City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

FOR REFERENCE

PUYALLUP PUBLIC SAFETY BUILDING: BENAROYA TENANT IMPROVEMENT

Permit/Bid Set – March 4, 2025

SITE INFORMATION

ADDRESS: 1015 39TH AVENUE SE
PUYALLUP, WA 98374

PROJECT PARCEL: 0419034038

SITE SIZE: 9.62 ACRES

JURISDICTION: CITY OF PUYALLUP

LEGAL DESCRIPTION:
SECTION 03 TOWNSHIP 19 RANGE 04 QUARTER 42 LOT 3 OF BLR 2022-03-22-5003 A POR OF BLR 2019-05-22-5002 LY IN CY OF PUYALLUP MORE PARTICULARLY DESC AS FOLL COM AT STONE MON MARKING S 1/4 COR OF SEC 3 SD STONE MON LIES N 86 DEG 31 MIN 42 SEC E 2621.06 FT FROM SE COR OF SD SEC 3 TH N 00 DEG 00 MIN 24 SEC E 2599.51 FT TH S 87 DEG 44 MIN 17 SEC E 496.53 FT TO POB TH S 00 DEG 04 MIN W 132.96 FT TH S 16 DEG 29 MIN 57 SEC E 15.96 FT TH S 00 DEG 00 MIN 36 SEC E 335.82 FT TH S 52 DEG 49 MIN 01 SEC E 132.81 FT TH S 89 DEG 15 MIN 41 SEC E 28.82 FT TH S 82 DEG 14 MIN 13 SEC E 58.63 FT TH S 53 DEG 48 MIN 38 SEC E 13.69 FT TO POB TH CONT S 53 DEG 48 MIN 38 SEC E 65.21 FT TH S 89 DEG 41 MIN 48 SEC E 274.77 FT TH S 00 DEG 00 MIN 36 SEC W 860.97 FT TH S 89 DEG 59 MIN W 547.26 FT TH N 00 DEG 00 MIN 36 SEC E 489.96 FT TH N 89 DEG 59 MIN E 80.33 FT TH N 00 DEG 15 MIN 12 SEC W 225.75 FT TH N 37 DEG 10 MIN 59 SEC E 232.64 FT TO POB EASE OF REC OUT OF 04-19-03-4-034 SEG 2019-0472 05/30/19 JP 20190652DC 03/31/22 JP

PROJECT SCOPE

TENANT IMPROVEMENT FOR EXISTING GROUND FLOOR UNIT IN EXISTING BUILDING. EXTERIOR IMPROVEMENTS INCLUDES THE ADDITION OF EXTERIOR CANOPIES, EXTERIOR ENTRANCES, A SECURE FENCE, AND LANDSCAPE.

DRAWING CRITERIA

A. CATEGORY LETTER REFERRING TO THE DISCIPLINE OR MAJOR DIVISION.

- G. GENERAL
- C. CIVIL
- L. LANDSCAPE
- S. STRUCTURAL
- A. ARCHITECTURAL
- M. MECHANICAL
- P. PLUMBING
- E. ELECTRICAL
- T. TELECOMM | DATA | SECURITY
- FA. FIRE ALARM
- FX. FIRE PROTECTION

B. SUB-CATEGORY NUMBER REFERRING TO TYPE OF DRAWING OR GROUPING.

- 0. GENERAL
- 1. PLANS AND REFLECTED CEILING PLANS
- 2. EXTERIOR ELEVATIONS
- 3. BUILDING SECTIONS/WALL SECTIONS
- 4. ENLARGED PLANS AND INTEIROR ELEVATIONS
- 5. DETAILS
- 6. SCHEDULES
- 7. STAIR AND ELEVATOR SECTIONS, PLANS, AND DETAILS

CLIENT

CITY OF PUYALLUP
333 SOUTH MERIDIAN
PUYALLUP, WA 98371

CONTACT: STEVE KIRKELIE
PHONE: 253.435.3620
EMAIL: SKIRKELIE@PUYALLUPWA.GOV

PUYALLUP POLICE DEPARTMENT

311 WEST PIONEER
PUYALLUP, WA 98371

CONTACT: CHIEF SCOTT ENGLE
PHONE: 253.435.3659
EMAIL: SCOTTE@PUYALLUPWA.GOV

ARCHITECTURE

MACKENZIE
LOGAN BUILDING
500 UNION STREET, SUITE 410
SEATTLE, WA 98101

CONTACT: BRETT HANSON
ARCHITECT OF RECORD
PHONE: 206.618.8713
EMAIL: BHANSON@MCKNZE.COM

STRUCTURAL ENGINEER

MACKENZIE
LOGAN BUILDING
500 UNION STREET, SUITE 410
SEATTLE, WA 98101

CONTACT: ANDY TATKOWSKI
PHONE: 206.739.6167
EMAIL: ATATKOWSKI@MCKNZE.COM

CIVIL ENGINEER

BARGHAUSEN CONSULTING ENGINEERS, INC.
18215 72ND AVENUE SOUTH
KENT, WA 98032

CONTACT: CARA VISINTAINER
PHONE: 425.656.7409
EMAIL: CVISINTAINER@BARGHAUSEN.COM

City of Puyallup
Building
REVIEWED FOR COMPLIANCE
RayC
04/22/2025
3:50:30 PM

Approval of submitted plans is not an approval of omissions or oversight by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable building codes and regulations of the local government.

Provide plans, specification, instillation instructions, all RFI's, special inspection reports, and other requested information on-site for inspector review.

BUILDING OWNER

BENAROYA GROUP
9675 SE 36TH STREET, SUITE 115
MERCER ISLAND, WA 98040

CONTACT: DAVE VRANIZAN
V.P. OF LEASING & OPERATIONS
PHONE: 425.440.6711
EMAIL: DAVEV@BENAROYA.COM

THE BENAROYA COMPANY | CENTERIS DATA CENTERS

PHONE: 206.619.5341
WWW.BENAROYA.COM | WWW.CENTERIS.COM

MECHANICAL | PLUMBING ENGINEER

BCE ENGINEERS, LLC - A TRANSYSTEMS COMPANY
6021 12TH STREET EAST, SUITE 200
FIFE, WA 98424

CONTACT: CHRIS CAFFEE
PHONE: 253.922.0446
EMAIL: CHRIS.CAFFEE@BCEENGINEERS.COM

ELECTRICAL ENGINEER

BCE ENGINEERS, LLC - A TRANSYSTEMS COMPANY
6021 12TH STREET EAST, SUITE 200
FIFE, WA 98424

CONTACT: BEN HEDIN
PHONE: 253.922.0446
EMAIL: BEN.HEDIN@BCEENGINEERS.COM

LANDSCAPE

MACKENZIE
RIVEREAST CENTER
1515 SE WATER AVENUE, SUITE 100
PORTLAND, OR 97214

CONTACT: STEVEN TUTTLE
PHONE: 503.720.7018
EMAIL: STUTTLE@MCKNZE.COM

DEFERRED SUBMITTALS

Separate permits required for items 1,2,10, 11 and 12.

Items 5, 7, 9,10 May be submitted to field inspector, provide plans and request inspection. Field inspector may require submittal for office review.

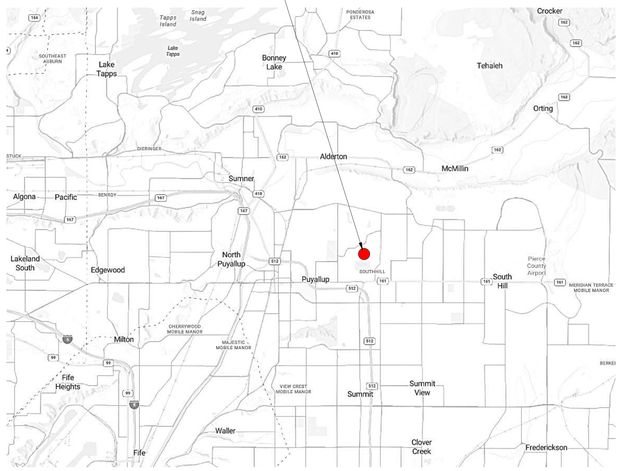
PER SECTION 107.3.4.2 DEFERRED SUBMITTALS: DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL IN CHARGE WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND FOUND TO BE IN GENERAL CONFORMANCE TO THE DESIGN OF THE BUILDING. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.

Items 3,4,6, and 8, require deferred submittal. Please coordinate to consolidate when possible for efficiency and timing.
Note: Item 8 may depend on the specifics; please consult inspector for questions.

- 1 FIRE SPRINKLER NFPA 13 SYSTEM
- 2 FIRE ALARM SYSTEM
- 3 ENGINEERED SUSPENDED ACOUSTICAL CEILING SYSTEM
- 4 PROVIDE CALCULATIONS AND DETAILS FOR SEISMIC ANCHORAGE AND BRACING OF ALL MECHANICAL AND ELECTRICAL AND OTHER EQUIPMENT WEIGHING MORE THAN 400LBS AND ATTACHED TO A
- 5 FLOOR OR ROOF LEVEL, OR WEIGHING MORE THAN 75LBS AND ATTACHED MORE THAN 4'-0" ABOVE THE FLOOR OR ROOF LEVEL
- 6 STOREFRONT SYSTEM DEMISING AND ATTACHMENT
- 7 DESIGN BUILD IRRIGATION SYSTEM
- 8 REFER TO S0.01 FOR STRUCTURAL SUBMITTALS
- 9 STORAGE RACKS AND SHELVING: STAMPED ENGINEERING SEISMIC CALCULATIONS AND DETAILS FOR RACKS AND SHELVING SYSTEM OVER 6FT HIGH OR GREATER
- 10 DAS SYSTEM
- 11 GENERATOR SYSTEM AND CONCRETE SLAB
- 12 CARPORT ASSEMBLY

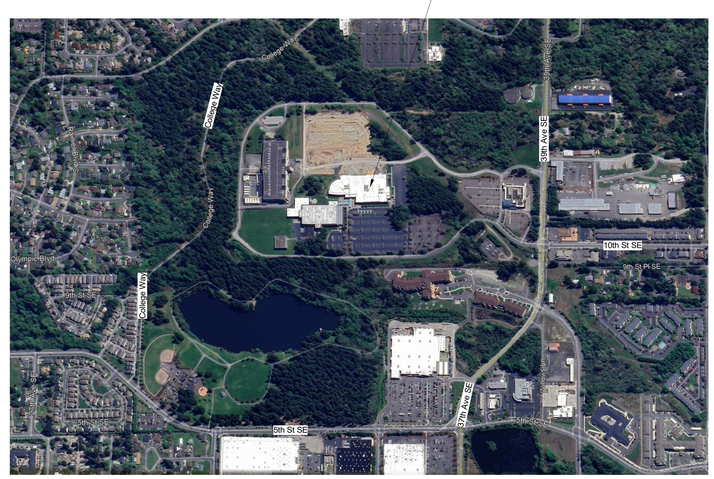
Plan Check A

PROJECT LOCATION



1 G0.01 VICINITY MAP
1/32" = 1'-0"

PROJECT LOCATION



2 G0.01 SITE MAP
NTS

SHEET INDEX

GENERAL

G0.01	TITLE SHEET
G0.02	PROJECT GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS
G1.10	CODE ANALYSIS
G1.11	CODE PLAN

CIVIL DRAWINGS

C1.00	COVER
C2.00	GENERAL NOTES
C3.00	EXISTING CONDITIONS
C4.00	TESC & DEMOLITION PLAN
C5.00	TESC NOTES & DETAILS
C6.00	SITE PLAN
C7.00	GRADING, DRAINAGE, & UTILITY PLAN
C8.00	UTILITY DETAILS
C9.00	UTILITY DETAILS

Reference Only
See separate civil permit.
PRCCP20250372

LANDSCAPE DRAWINGS

L1.10	LANDSCAPE MATERIALS PLAN
L1.11	LANDSCAPE MATERIALS PLAN
L1.20	LANDSCAPE LAYOUT AND JOINT PLAN
L1.21	LANDSCAPE LAYOUT AND JOINT PLAN
L2.10	PLANTING PLAN
L2.11	PLANTING PLAN
L5.10	DETAILS
L5.11	DETAILS
L5.12	DETAILS
L5.13	DETAILS

STRUCTURAL DRAWINGS

S0.00	STRUCTURAL GENERAL NOTES
S0.10	TYPICAL DETAILS
S0.20	TYPICAL INTERIOR LIGHT GAGE STEEL DETAILS
S0.21	TYPICAL INTERIOR LIGHT GAGE STEEL DETAILS
S1.10	OVERALL FOUNDATION PLAN
S1.11	ENLARGED FOUNDATION PLANS
S1.21	ENLARGED FRAMING PLANS
S5.00	INTERIOR DETAILS
S5.50	EXTERIOR DETAILS

ARCHITECTURAL DRAWINGS

A0.01	ARCHITECTURAL GENERAL NOTES AND SYMBOLS, AND TYPICAL ADA DETAILS
A0.02	PARTITION TYPES
AD1.10	OVERALL FIRST FLOOR DEMOLITION PLAN
AD1.11	PARTIAL FIRST FLOOR DEMOLITION PLAN - AREA A
AD1.12	PARTIAL FIRST FLOOR DEMOLITION PLAN - AREA B
AD1.70	OVERALL FIRST FLOOR DEMOLITION REFLECTED CEILING PLAN
AD1.71	PARTIAL FIRST FLOOR DEMOLITION REFLECTED CEILING PLAN - AREA A
AD1.72	PARTIAL FIRST FLOOR DEMOLITION REFLECTED CEILING PLAN - AREA B
A1.00	ARCHITECTURAL SITE PLAN
A1.04	ENLARGED ARCHITECTURAL SITE PLAN
A1.10	OVERALL FIRST FLOOR PLAN
A1.11	PARTIAL FIRST FLOOR PLAN - AREA A
A1.12	PARTIAL FIRST FLOOR PLAN - AREA B
A1.20	OVERALL ROOF PLAN
A1.40	OVERALL FIRST FLOOR FINISH PLAN AND SCHEDULE OF INTERIOR FINISHES
A1.41	PARTIAL FIRST FLOOR FINISH PLAN - AREA A
A1.42	PARTIAL FIRST FLOOR FINISH PLAN - AREA B
A1.70	OVERALL FIRST FLOOR REFLECTED CEILING PLAN
A1.71	PARTIAL FIRST FLOOR REFLECTED CEILING PLAN - AREA A
A1.72	PARTIAL FIRST FLOOR REFLECTED CEILING PLAN - AREA B
A2.10	EXTERIOR BUILDING ELEVATIONS
A2.11	PARTIAL & ENLARGED EXTERIOR BUILDING ELEVATIONS

ARCHITECTURAL DRAWINGS

A3.20	WALL SECTIONS
A3.21	WALL SECTIONS
A4.10	ENLARGED PLANS
A4.11	ENLARGED PLANS
A4.12	ENLARGED PLANS
A4.13	ENLARGED CEILING PLANS - LIGHTING
A4.20	INTERIOR ELEVATIONS
A4.21	INTERIOR ELEVATIONS
A4.22	INTERIOR ELEVATIONS
A4.23	INTERIOR ELEVATIONS
A4.24	INTERIOR ELEVATIONS
A4.25	INTERIOR ELEVATIONS
A4.26	INTERIOR ELEVATIONS
A5.10	EXTERIOR DETAILS
A5.11	CARPORT PLANS, SECTIONS. AND DETAILS
A5.12	SECURITY GATE PLANS
A5.13	SECURITY GATE ELEVATIONS AND DETAILS
A5.20	INTERIOR DETAILS - FLOORS
A5.21	INTERIOR DETAILS - WALLS
A5.22	INTERIOR DETAILS - WALLS
A5.23	INTERIOR DETAILS - CEILING
A5.24	INTERIOR DETAILS - CEILING
A5.25	INTERIOR DETAILS - CASEWORK
A5.26	INTERIOR DETAILS - CASEWORK
A5.27	INTERIOR DETAILS - CASEWORK
A5.28	INTERIOR & EXTERIOR DETAILS - DOORS, WINDOWS, AND SIDELITES
A5.29	INTERIOR & EXTERIOR DETAILS - MISC
A6.10	DOOR & EXTERIOR WINDOW SCHEDULES
A6.11	INTERIOR WINDOW SCHEDULE
A7.10	OVERALL FIRST FLOOR SIGNAGE PLAN
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A7.13	SIGNAGE SCHEDULE
A7.14	SIGNAGE TYPES
A8.10	OVERALL FIRST FLOOR FURNITURE PLAN
A8.11	PARTIAL FIRST FLOOR FURNITURE PLAN - AREA A
A8.12	PARTIAL FIRST FLOOR FURNITURE PLAN - AREA B

MECHANICAL DRAWINGS

M0.01	MECHANICAL LEGEND
MD1.11	MECHANICAL DEMOLITION PLAN - AREA A
MD1.12	MECHANICAL DEMOLITION PLAN - AREA B
MD2.01...	MECHANICAL FIRST FLOOR DEMOLITION PLAN
M1.11	MECHANICAL REFLECTED CEILING PLAN - AREA A
M1.12	MECHANICAL REFLECTED CEILING PLAN - AREA B
M2.11	MECHANICAL FIRST FLOOR PLAN - AREA A
M2.12	MECHANICAL FIRST FLOOR PLAN - AREA B
M3.11	MECHNICAL ROOF PLAN - AREA A
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M4.01	MECHANICAL ENLARGED PLAN
M5.01	MECHNICAL DETAILS I
M5.02	MECHNICAL DETAILS II
M6.01	MECHANICAL SCHEDULES I
M6.02	MECHANICAL SCHEDULES II
M7.01	MECHNICAL CONTROLS I
M7.02	MECHNICAL CONTROLS II

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P.01	PLUMBING LEGEND
PD1.11	PLUMBING DEMOLITION PLAN - AREA A
PD1.12	PLUMBING DEMOLITION PLAN - AREA B
P0.11	PLUMBING FOUNDATON PLAN - AREA A
P0.12	PLUMBING FOUNDATION PLAN - AREA B
P1.11	PLUMBING FIRST FLOOR PLAN - AREA A
P1.12	PLUMBING FIRST FLOOR PLAN - AREA B
P4.01	PLUMBING ENLARGED PLANS
P5.01	PLUMBING DETAILS I
P6.01	PLUMBING SCHEDULES I

ELECTRICAL DRAWINGS

E0.01	ELECTRICAL LEGEND AND ABBREVIATIONS
ED2.11	LIGHTING DEMOLITION PLAN - AREA A
ED2.12	LIGHTING DEMOLITION PLAN - AREA B
ED3.11	POWER DEMOLITION PLAN - AREA A
ED3.12	POWER DEMOLITION PLAN - AREA B
E1.01	ELECTRICAL SITE PLAN
E2.11	LIGHTING PLAN - AREA A
E2.12	LIGHTING PLAN - AREA B
E3.11	POWER PLAN - AREA A
E3.12	POWER PLAN - AREA B
E3.13	POWER PLAN - ROOF
E4.11	ELECTRICAL ENLARGED PLANS
E5.11	ELECTRICAL DETAILS
E5.12	ELECTRICAL DETAILS
E6.01	EXISTING ONE-LINE DIAGRAM
E6.02	CONSTRUCTION ONE-LINE DIAGRAM
E6.11	PANEL SCHEDULES
E6.12	PANEL SCHEDULES
E6.13	PANEL SCHEDULES
E6.14	PANEL SCHEDULES
E6.15	PANEL SCHEDULES
E6.21	LIGHTING FIXTURE SCHEDULE
E6.22	SEQUENCE OF OPERATION
E6.31	MECHANICAL EQUIPMENT CONNECTION SCHEDULE

TELECOMM | DATA | SECURITY DRAWINGS

T0.01	SYSTEMS LEGEND AND ABBREVIATIONS
T1.01	SYSTEMS SITE PLAN
T1.02	SYSTEMS ENLARGED SITE PLAN
TD2.11	SYSTEMS DEMOLITION PLAN - AREA A
TD2.12	SYSTEMS DEMOLITION PLAN - AREA B
T2.01	SYSTEMS SITE PLAN - OVERALL
T2.11	SYSTEMS PLAN - AREA A
T2.12	SYSTEMS PLAN - AREA B
T2.13	SYSTEMS ROOF PLAN
T4.11	SYSTEMS ENLARGED PLANS - SERVER A1132
T4.112	SYSTEMS ENLARGED PLANS - IDF A1074
T5.11	TELECOM DETAILS I
T5.12	TELECOM DETAILS II
T5.13	TELECOM DETAILS III
T5.14	SECURITY DETAILS I
T5.15	SECURITY DETAILS II
T5.16	SECURITY DETAILS III
T5.17...	AUDIO VISUAL DETAILS I
T5.18...	AUDIO VISUAL DETAILS II

FIRE ALARM DRAWINGS

FA0.01	FIRE ALARM SYSTEM LEGEND AND NOTES
FA0.02	FIRE ALARM SYSTEM RISER AND SEQUENCE OF OPERATIONS
FA0.03	FIRE ALARM SYSTEM - AREA A & B FULL HEIGHT WALLS
FA1.00	FIRE ALARM SYSTEM OVERALL PLAN
FA1.01	FIRE ALARM SYSTEM - AREA A
FA1.02	FIRE ALARM SYSTEM - AREA B

FIRE PROTECTION DRAWINGS

FX101	FIRE PROTECTION PLAN - FIRST FLOOR PLAN - AREA A
FX102	FIRE PROTECTION PLAN - FIRST FLOOR PLAN - AREA B

Separate permits required; see Puyallup Muncipal Code for fire alarm requirements.

Architecture • Interiors
Planning • Engineering

Portland, OR
503.224.9560
Vancouver, WA
360.695.7879
Seattle, WA
206.749.9993
www.mackenzie.inc

MACKENZIE.

Client

City of Puyallup

Project

Puyallup Public Safety Building
1015 39th Avenue SE,
Puyallup, WA, 98374

City of Puyallup
Planning
Division
APPROVED
See permit conditions.
RNBrown
03/24/2025
5:16:20 PM

11049 REGISTERED ARCHITECT
Brett Lee Hanson
STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Plan Check Response 1	04/09/2025

SHEET TITLE:
TITLE SHEET

SHEET
G0.01

JOB NO. 2170269.07

Permit/Bid Set 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

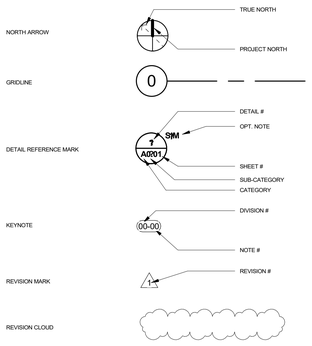
STANDARD ABBREVIATIONS

@	AT
AB	ANCHOR BOLT
ADA	AMERICANS WITH DISABILITIES ACT
ADD'L	ADDITIONAL
ADJ	ADJACENT/ ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AL / ALUM	ALUMINUM
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL)
ACI	AMERICAN CONCRETE INSTITUTE
B/	BOTTOM OF
BATT	BATTEN INSULATION
BD	BOARD
BLD / BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BENCHMARK / BEAM
BOT / BOTT	BOTTOM
BRG	BEARING
BSMT	BASEMENT
BTWN	BETWEEN
BUR	BUILT UP ROOFING
CAB	CABINET
CB	CATCH BASIN
CIP	CAST IRON
CJ	CONTROL JOINT
CL /	CENTERLINE
CLNG	CEILING
CLR	CLEAR
CW	CONCRETE WALL
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRUGAT(ED) (ION)
CPT	CARPET
CMU	CONCRETE MASONRY UNIT
CRC	CHEMICAL RESISTANT COATING
CSK	COUNTERSINK
CTOP	COUNTERTOP
CNTR	CENTER
CTR / CNTR	CENTER
CONN	CONNECTION
DBL	DOUBLE
DET/DTL	DETAIL
DF	DRINKING FOUNTAIN
DIA / ø	DIAMETER
DIAPH	DIAPHRAGM
DIM	DIMENSION
DL	DEAD LOAD
DN	DOWN
DP	DEEP
DR	DOOR
DS	DOWN SPOUT
DWG	DRAWING
EW	EACH WAY
EA	EACH
EF	EACH FACE
ELECT	ELECTRICAL
ELEV	ELEVATION
ENGR	ENGINEER
EOP	EDGE OF PANEL
EP	EPOXY PAINT / EDGE OF PAVEMENT
EQ	EQUAL
ETC	EPOXY TRAFFIC COATING / ETCETERA
(E) / EXIST	EXISTING
EXP	EXPOSED STRUCTURE
EXP JT / EJ	EXPANSION JOINT
EXT	EXTERIOR
E/	EDGE OF
ES	EACH SIDE
F/	FACE OF
F/STUD	FACE OF STUD
FB	FLAT BAR
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FF	FACTORY FINISH / FINISHED FACE
FFE	FINISH FLOOR ELEVATION
FIN	FINISH(ED)
FL	FLUSH
FLR	FLOOR
FM	FACTORY MUTUAL
FND	FOUNDATION
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOIC	FURNISH BY OWNER INSTALL BY CONTRACTOR
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FOW	FACE OF WALL
FT	FEET/FOOT FIRE TREATED
FTG	FOOTING
FS	FAR SIDE

GA	GAUGE
GALV	GALVANIZED
GEN	GENERAL
GLB	GLULAM BEAM
GLZ	GLAZING
GR	GRADE
GRD	GRID ONLY
GSA	U.S. GENERAL SERVICES ADMINISTRATION
GWB	GYPSUM BOARD
HB	HOSE BIB
HC	HOLLOW CORE / HANDICAP
HDPE	HIGH DENSITY POLYETHELENE
HDR	HEADER
HDWR	HARDWARE
HGR	HANGER
HL	HALF LITE
HM	HOLLOW METAL
HMK	HOLLOW METAL KNOCKDOWN
HMW	HOLLOW METAL WELDED
HORIZ	HORIZONTAL
HR(S)	HOUR(S)
HS	HEADED STUD
HSS	HOLLOW STRUCTURAL STEEL
HTG	HEATING
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IF	INSIDE FACE
IFC	INTERNATIONAL FIRE CODE
IMC	INTERNATIONAL MECHANICAL CODE
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
IPC	INTERNATIONAL PLUMBING CODE
INSP	INSPECTION / INSPECTOR
JNT	JOINT
JST	JOIST
L	ANGLE
LAM	LAMINATE
LAV	LAVATORY
LL	LIVE LOAD
LLV	LONG LEG VERTICAL
LONG / LONGIT	LONGITUDINAL
LP	LOWPOINT
LWC	LIGHTWEIGHT CONCRETE
LSL	LAMINATED STRAND LUMBER
LVL	LAMINATED VENEER LUMBER
M	MIRROR
M/E/P	MECHANICAL/ ELECTRICAL/ PLUMBING OR PROCESS
MANF	MANUFACTURER
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MDF/MDO	MEDIUM DENSITY FIBERBOARD / OVERLAY
MECH	MECHANICAL
MFD	MANUFACTURED
MFG	MANUFACTURING
MFR	MANUFACTURER
MGR	MANAGER
MIN	MINIMUM
MISC	MISCELLANEOUS
MK	MARK
MLP	METAL LINEAR PANEL
MO	MASONRY OPENING
MP	METAL PANEL
MTL	METAL
NFPA	NATIONAL FIRE PROTECTION AGENCY
NIC	NOT IN CONTRACT
NO. / #	NUMBER
NOM	NOMINAL
NR	NON RATED
NS	NEAR SIDE
NTE	NOT TO EXCEED
NTS	NOT TO SCALE
(N)	NEW
O/A	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OPPOSITE HAND
OHD	OVERHEAD DOOR
OPNG	OPENING
OPP	OPPOSITE
OSF / O/FACE	OUTSIDE FACE
OTS	OPEN TO STRUCTURE
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED

OFOI	OWNER FURNISHED, OWNER INSTALLED
P	PAINT
P.E.	PROFESSIONAL ENGINEER
PB	PARTICLE BOARD
PDA / PAF	POWDER DRIVEN ANCHORS/POWDER ACTUATED FASTENER
PJ	PANEL JOINT
PL /	PLATE
P-LAM	PLASTIC LAMINATE
PLB	PARALLAM BEAM
PLMB	PLUMBING
PLY / PLYWD	PLYWOOD
PNL	PANEL
PR	PAIR
PS	POUR STRIP
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED / PORCELAIN TILE
PVC	POLY VINYL CHLORIDE
PVMT	PAVEMENT
PSL	PARALLEL STRAND LUMBER
R	RADIUS
RAD	RADIAL
RB	RUBBER BASE
RBE	ROOF BASE ELEVATION
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RECEPT	RECEPTION(IST)
REF	REFERENCE / REFRIGERATOR
REINF	REINFORCING
REQ / REQ'D	REQUIRED
REV	REVISION
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
S	STAIN
SAT	SUSPENDED ACOUSTICAL TILE
SC	SEALED CONCRETE / SOLID CORE WOOD
SF	STORE FRONT / SQUARE FEET
SHTG / SHT'G	SHEATHING
SIM	SIMILAR
SLV	SHORT LEG VERTICAL
SMS	SHEET METAL SCREW
SP	SPACE(D)(S)
SPEC(S)	SPECIFICATION(S)
SQ	SQUARE
SS	STAINLESS STEEL / SOLID SURFACE
ST	STONE
STA PT	STATION POINT
STAGG	STAGGERED
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SV	SHEET VINYL
SCHED	SCHEDULE
SOG	SLAB ON GRADE
T&B	TOP AND BOTTOM
T/	TOP OF
TEMP	TEMPERATURE / TEMPORARY
THK	THICK / THICKNESS
TL	TOTAL LOAD
TN	TOE NAIL
TO	TOP OF
TOF	TOP OF FOOTING
TOS	TOP OF STEEL
TOW	TOP OF WALL
TPO	THERMOPLASTIC POLYOLEFIN
TRANS / TRANSV	TRANSVERSE
TS	TUBE STEEL
TYP	TYPICAL
T	TEMPERED
TC	TOP OF CURB
U/S	UNDERSIDE
UC	UNDER COUNTER
UL	UNDER WRITERS LABORATORIES
UNO / UON	UNLESS NOTED OTHERWISE
USG	UNITED STATES GYPSUM
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VP	VISION PANEL
VFY	VERIFY
VIF	VERIFY IN FIELD
W/	WITH
W/CRC	COATING WITH CHEMICAL RESISTANCE
W/O	WITHOUT
WB	WOOD BASE
WC	WATER CLOSET / WALL COVERING
WD	WOOD
WF	WIDE FLANGE BEAM
WH	WATER HEATER
WP	WATER PROOF / WOOD PANELING / WORK POINT
WR	WATER RESISTANT
WRGB	WATER RESISTANT GYPSUM BOARD
WS	WATER STOP / WELDED STUD
WWF	WELDED WIRE FABRIC

SYMBOLS AND REFERENCES



PROJECT GENERAL NOTES

A. THE DRAWINGS LOCATE PRODUCTS, SURFACES, AND MATERIALS AND THE NOTES CONVEY DESIGN INTENT. THE PROJECT INTENT IS TO PROVIDE FOR A COMPLETE, WORKING SYSTEM.
B. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE LATEST ADOPTED BUILDING CODE EDITION, AND TO THE CONDITIONS AND SPECIFICATIONS OF ALL GOVERNING AUTHORITIES.
C. VERIFY AND CONFIRM ALL CONDITIONS, DIMENSIONS, AND LAYOUT INFORMATION PRIOR TO START OF CONSTRUCTION. NOTIFY MACKENZIE OF ANY DISCREPANCIES PRIOR TO START OF WORK. ANY CORRECTION WORK REQUIRED AS A RESULT OF NOT REPORTING SUCH DISCREPANCIES SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.
D. CONTRACTOR AND SUBCONTRACTORS SHALL CAREFULLY EXAMINE THE SITE AND THE CONSTRUCTION DOCUMENTS OF THE ENTIRE WORK. INCONSISTENCIES IN THE PLANS OR SPECIFICATIONS SHALL BE CALLED TO THE ATTENTION OF MACKENZIE.
E. REFER TO ENLARGED PLANS AND ELEVATIONS WHERE INDICATED FOR ADDITIONAL INFORMATION. ENLARGED PLANS TAKE PRECEDENCE OVER PLANS OF SMALLER SCALE, AND DETAILS TAKE PRECEDENCE OVER PLANS. IN THE CASE OF A CONFLICT, THE HIGHEST COST OPTION SHOULD BE PRICED.
F. DETAIL REFERENCES SHALL BE APPLIED TO ALL INSTANCES WHERE THE SAME CONDITIONS OCCUR, UNLESS NOTED OTHERWISE.
G. THE TERMS "ABOVE FINISH FLOOR" (AFF) AND "FINISH FLOOR ELEVATION" (FFE) REFER TO FINAL FINISHED FLOOR ELEVATION, WHETHER BUILT-UP SLAB, COMPOSITE DECK, OR RAISED ACCESS FLOOR.
H. DO NOT SCALE DRAWINGS.
I. CUTTING AND DRILLING OF STRUCTURAL MEMBERS NOT DETAILED REQUIRES THE WRITTEN PERMISSION OF THE STRUCTURAL ENGINEER OF RECORD.
J. SAVE AND RECYCLE DEMOLITION DEBRIS AS APPLICABLE. ALL DEMOLISHED OR REMOVED EXISTING MATERIAL SHALL BE LEGALLY DISPOSED. COORDINATE WITH THE CITY OF PUYALLUP REQUIREMENTS FOR RECYCLING/RE-USE OF DEMOLITION DEBRIS.
K. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE RESULTING FROM THEIR WORK. THE CONTRACTOR WILL COORDINATE CLEAN UP OF ALL AREAS AFFECTED BY DUST OR ANY MATERIALS BOTH DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT, INCLUDING THE INSIDE OF ALL WINDOWS AS NECESSARY SO THAT THE SPACE IS READY FOR OCCUPANCY BY TENANT.
L. ALL DESIGN-BUILD ITEMS, SYSTEMS, AND ELEMENTS ARE TO BE SUBMITTED FOR REVIEW AND APPROVED BY MACKENZIE.
M. EXISTING MATERIAL NOTED TO BE RETURNED TO THE BUILDING OWNER SHALL BE SAFELY STORED AND PROTECTED UNTIL IT IS REMOVED FROM THE SITE BY THE BUILDING OWNER.

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Client

City of Puyallup

Project

Puyallup Public Safety Building
1015 39th Avenue SE, Puyallup, WA, 98374

11049 REGISTERED ARCHITECT
BRETT L. HANSON
STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
PROJECT GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS

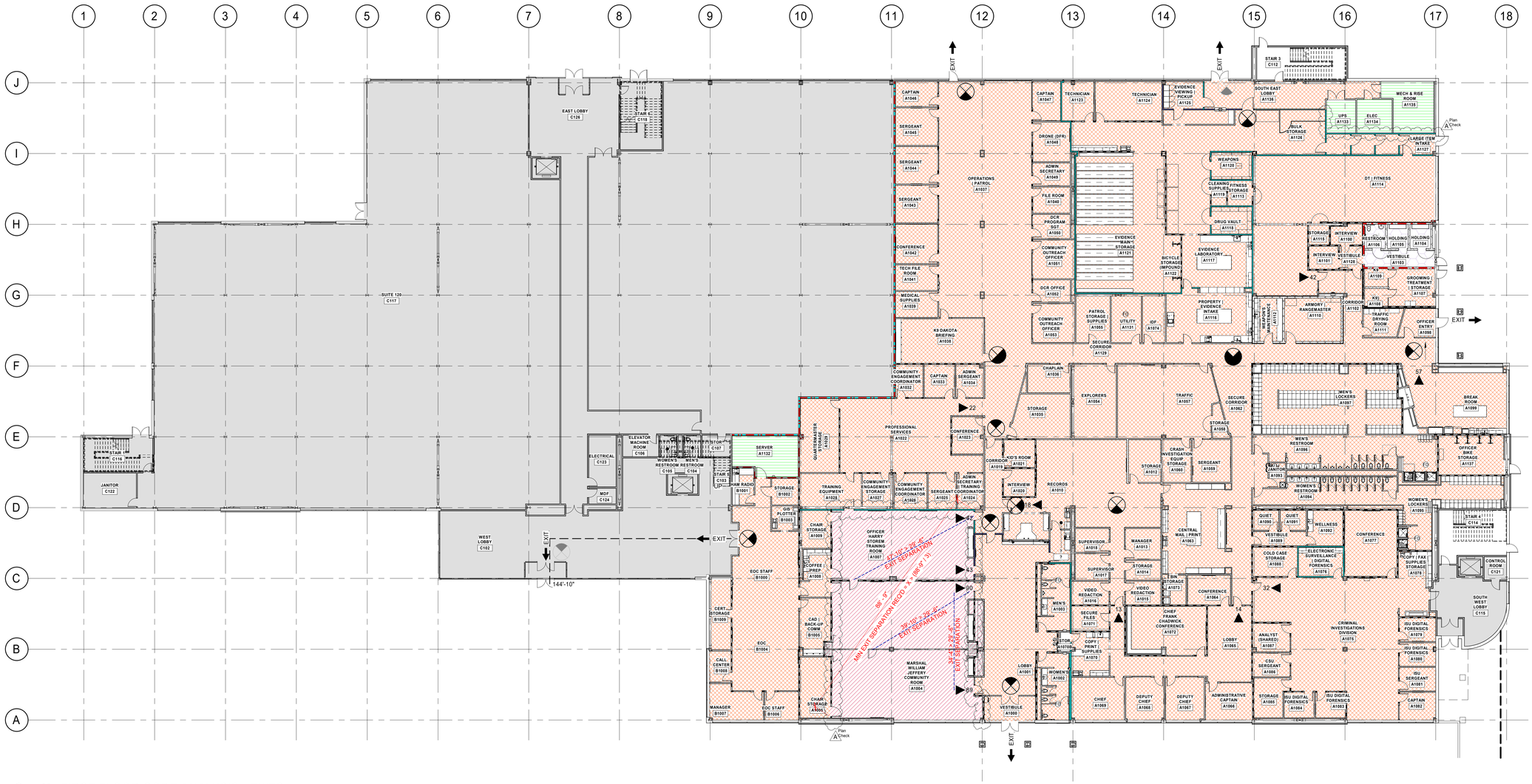
SHEET
G0.02

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



1 / G1.10 FIRST FLOOR CODE ANALYSIS - EXITS
1/16" = 1'-0"

CODE ANALYSIS

GOVERNING CODES
2021 INTERNATIONAL BUILDING CODE WITH WASHINGTON STATE AMENDMENTS
2021 INTERNATIONAL MECHANICAL CODE WITH WASHINGTON STATE AMENDMENTS
2021 INTERNATIONAL FIRE CODE WITH WASHINGTON STATE AMENDMENTS
2021 INTERNATIONAL PLUMBING CODE WITH WASHINGTON STATE AMENDMENTS
2021 INTERNATIONAL EXISTING BUILDING CODE
2021 WASHINGTON STATE ENERGY CODE
ACCESSIBILITY: *2010 ADAAG*

BUILDING CONSTRUCTION DATA:
CONSTRUCTION TYPE: II-B
EQUIPPED THROUGHOUT WITH AUTOMATIC SPRINKLER SYSTEM
EQUIPPED THROUGHOUT WITH AUTOMATIC FIRE ALARM SYSTEM.

DESCRIPTION:
PROJECT CONSISTS OF A TENANT IMPROVEMENT TO A GROUND FLOOR TENANT SPACE WITHIN AN EXISTING TWO STORY BUILDING. SITE IMPROVEMENTS INCLUDE THE ADDITION OF BUILDING ENTRANCES TO THE EXISTING SPACE AND EXTERIOR IMPROVEMENTS TO THE WEST AND SOUTH ELEVATIONS.

CHAPTER 3 - USE & OCCUPANCY CLASSIFICATION:

EXISTING BUILDING, PROPOSED OCCUPANCY:
FIRST FLOOR: B.....OFFICE
A-3 (ACCESSORY TO B)....COMMUNITY ROOM, TRAINING ROOM
I-3, CONDITION 5.....HOLDING
S-2 (ACCESSORY TO B)....SERVER, MECHANICAL, ELECTRICAL
Plan Check A
TOTAL AREA 50,767 SF

OVERALL OCCUPANCY SUMMARY
REFER TO AREA SCHEDULES PROVIDED ON G1.11 FOR SPECIFIC OCCUPANCY AREA(S).
Plan Check A

CHAPTER 4 - SPECIAL DETAILED REQUIREMENTS BASED ON OCCUPANCY AND USE:
PER SECTION 408.4, EGRESS DOORS ARE PERMITTED TO BE LOCKED IN ACCORDANCE WITH THE APPLICABLE USE CONDITION (CONDITION 5). DOORS FROM A REFUGE AREA TO THE OUTSIDE ARE PERMITTED TO BE LOCKED WITH A KEY IN LIEU OF LOCKING METHODS DESCRIBED IN SECTION 408.4.1. THE KEYS TO UNLOCK THE EXTERIOR DOORS SHALL BE AVAILABLE AT ALL TIMES AND THE LOCKS SHALL BE OPERABLE FROM BOTH SIDES OF THE DOOR.

CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS:

STORIES ALLOWED ABOVE GRADE PLAN (PER IBC TABLE 504.4):
Plan Check A
*NO CHANGE TO BUILDING HEIGHT OR NUMBER OF EXISTING STORIES(2).

REQUIRED SEPARATION OF OCCUPANCIES (PER IBC TABLE 508.4):

OCC TYPE	OCC TYPE	REQ'D RATING
(B) ADJACENT (I-3)		1 HR

AGGREGATE AREAS FOR A-3 AND S-2 OCCUPANCIES ARE LESS THAN 10% OF THE FLOOR AREA IN WHICH THEY ARE LOCATED AND ARE THEREFORE ACCESSORY PER IBC 508.2.3. PER IBC 508.2.4, NO SEPARATION IS REQUIRED BETWEEN ACCESSORY OCCUPANCIES (A-3 & S-2) AND THE MAIN OCCUPANCY (B).

CHAPTER 6 - TYPES OF CONSTRUCTION:
FIRE RESISTIVE RATING REQUIREMENTS FOR BUILDING ELEMENTS (IBC TABLE 601)

EXTERIOR BEARING WALL	NR
INTERIOR BEARING WALL	NR
EXTERIOR NON-BEARING WALL	NR
INTERIOR NON-BEARING WALL	NR
STRUCTURAL FRAME	NR
FLOOR	NR
ROOF	NR
FIRE PUMP ROOM (913.2.1)	2-HR

CHAPTER 7 - FIRE AND SMOKE PROTECTION FEATURES:

FIRE-RESISTANCE RATING REQUIREMENTS FOR FIRE BARRIERS, FIRE WALLS OR HORIZONTAL ASSEMBLIES BETWEEN FIRE AREAS (PER IBC TABLE 707.3.10)

OCCUPANCY	FIRE-RESISTANCE RATING
(I-3)	2 HR
(B)	2 HR
(S-2)	2 HR
(A-3)	2 HR

CHAPTER 8 - INTERIOR FINISHES:

INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY (TABLE 803.13)

GROUP	INTERIOR EXIT STAIRWAYS, RAMPS & EXIT PASSAGEWAYS	CORRIDORS & ENCLOSURE FOR EXIT ACCESS STAIRWAYS & RAMPS	ROOMS AND ENCLOSED SPACES
(I-3)	A	A	C
(B)	B	C	C
(S-2)	C	C	C
(A-3)	B	B	C

CHAPTER 9 - FIRE PROTECTION AND LIFE SAFETY SYSTEMS:

BUILDING EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH CHAPTER 9.

FIRE EXTINGUISHERS (IBC 906.2.2)
IN GROUP I-3, PORTABLE FIRE EXTINGUISHERS ARE PERMITTED TO BE LOCATED AT STAFF LOCATIONS

FIRE EXTINGUISHERS FOR CLASS A FIRE HAZARDS (PER ICE TABLE 906.3)

TYPE	TRAVEL DISTANCE
2A	75 FT

CARBON MONOXIDE DETECTORS (IBC 915.6)
CARBON MONOXIDE DETECTORS REQUIRED IN GROUP I.
EXCEPTIONS: 2. NOT REQUIRED IF THERE IS NOT FUEL BURNING APPLIANCE OR FIREPLACE, OR ATTACHED GARAGE.

BASED ON 2021 WASHINGTON STATE FIRE CODE & 2021 WSBC

WSFC SECTION 509.1
ALL FIRE PROTECTION & UTILITY EQUIPMENT SHALL BE IDENTIFIED WITH APPROVED SIGNAGE CONSTRUCTED OF DURABLE MATERIALS AND BE READILY VISIBLE.

SECTION 903 - AUTOMATIC SPRINKLER SYSTEMS
FULLY SPRINKLERED ESFR FIRE SYSTEM

SECTION 906 PORTABLE FIRE EXTINGUISHERS
PORTABLE FIRE EXTINGUISHERS (2A:10BC MINIMUM) SHALL BE PROVIDED THROUGHOUT BASED ON 2021 WASHINGTON STATE FIRE CODE. PORTABLE FIRE EXTINGUISHERS WILL BE INSTALLED UNDER SEPARATE PERMIT - TENANT IMPROVEMENTS.

WSFC APPENDIX D FIRE APPARATUS ACCESS ROADS
SEE CIVIL FOR AERIAL FIRE APPARATUS ACCESS ROAD.

CHAPTER 10 - MEANS OF EGRESS:

AREA	OCCUPANT LOAD	REQ'D NUMBER OF EXITS	PROVIDED NUMBER OF EXITS
HOLDING/ JAIL	5	2	2
POLICE	448	2	2
COMMUNITY RM / TRAINING	265	2	2

CHAPTER 10 - CONTINUED:

EXTERIOR AREA FOR ASSISTED RESCUE (IBC 1009.7)
EXTERIOR AREAS OF ASSISTED RESCUE SHALL BE ACCESSED BY AN ACCESSIBLE ROUTE FROM THE AREA SERVED.
WHERE THE EXIT DISCHARGE DOES NOT INCLUDE AN ACCESSIBLE ROUTE FROM AN EXIT LOCATED ON THE LEVEL OF EXIT DISCHARGE TO A PUBLIC WAY, AN EXTERIOR AREA OF ASSISTED RESCUE SHALL BE PROVIDED ON THE EXTERIOR LANDING IN ACCORDANCE WITH SECTIONS 1009.7.1 THROUGH 1009.7.4.

EXIT ACCESS TRAVEL DISTANCE (PER IBC TABLE 1017.2)

OCCUPANCY	MAX. PERMITTED DISTANCE	PROVIDED DISTANCE
(I-3)	200 FT	IN COMPLIANCE, REFER TO A.G1.10-A.G1.11
(B)	300 FT	IN COMPLIANCE, REFER TO A.G1.10-A.G1.11
(S-2)	400 FT	IN COMPLIANCE, REFER TO A.G1.10-A.G1.11
(A-3)	250 FT	IN COMPLIANCE, REFER TO A.G1.10-A.G1.11

CORRIDOR FIRE-RESISTANCE RATING (PER IBC TABLE 1020.1)

OCCUPANCY	OCCUPANT LOAD SERVED BY CORRIDOR	REQUIRED FIRE RESISTANCE RATING
(I-3)	ALL	1 HR
(B)	< 30	0 HR
(S-2)	< 30	0 HR
(A-3)	< 30	0 HR

DEAD ENDS (IBC 1020.4)
WHERE MORE THAN ONE EXIT OR EXIT ACCESS DOORWAY IS REQUIRED, THE EXIT ACCESS SHALL BE ARRANGED SUCH THAT DEAD-END CORRIDORS DO NOT EXCEED 20 FEET.
EXCEPTIONS:
1. IN GROUP I-3, CONDITION 2, 3, OR 4 OCCUPANCIES, THE DEAD END CORRIDOR SHALL NOT EXCEED 50 FEET.
2. IN OCCUPANCIES GROUPS B, E, F, I-1, M, R-1, R-2, S AND U, WHERE BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1, THE LENGTH OF THE DEAD-END CORRIDORS SHALL NOT EXCEED 50 FEET.

STAIRWAY ENCLOSURES (IBC 1023.2)
STAIRWAYS AND RAMPS MUST HAVE 1-HOUR FIRE ENCLOSURE.

SECTION 1005 MEANS OF EGRESS SIZING

1005.3 REQUIRED CAPACITY BASED ON OCCUPANT LOAD
THE REQUIRED CAPACITY, IN INCHES (MM), OF THE MEANS OF EGRESS FOR ANY ROOM, AREA, SPACE OR STORY SHALL BE NOT LESS THAN THAT DETERMINED IN ACCORDANCE WITH SECTIONS 1005.3.1 AND 1005.3.2

1005.3.2 OTHER EGRESS COMPONENTS
CAPACITY FACTOR 0.2 INCH (5.1 MM) PER OCCUPANT
Plan Check A
TOTAL OCCUPANTS x CAPACITY FACTOR 0.2 = TOTAL WIDTH REQUIRED

ASSEMBLY (A3) - COMMUNITY ROOM & DT | TRAINING: 263 x 0.20 = 52.6" TOTAL WIDTH REQUIRED (53" MIN)
PROVIDED: 72" FROM DOOR A1000a

OFFICE (B) 448 x 0.20 = 89.6" TOTAL WIDTH REQUIRED (90" MIN)
PROVIDED: +222" FROM DOORS A100a, A1028, A1037, AND A1048

REFER TO G1.11 FOR DOOR NUMBER TAGS

SECTION 1006 NUMBER OF EXITS
1006.3.3 EGRESS BASED ON OCCUPANT LOAD

(3) EXITS ARE REQUIRED BASED ON ONE STORY WITH OCCUPANT LOAD BETWEEN 501-1,000
(5) EXITS ARE BEING PROVIDED

1007.1.1 TWO EXITS OR EXIT ACCESS DOORWAYS - WHERE TWO EXITS, EXIT ACCESS DOORWAYS, EXIT ACCESS STAIRWAYS OR RAMPS, OR ANY COMBINATION THEREOF, ARE REQUIRED FROM ANY PORTION OF THE EXIT ACCESS, THEY SHALL BE PLACED A DISTANCE APART EQUAL TO NOT LESS THAN ONE-HALF OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE BUILDING OR AREA TO BE SERVED MEASURED IN A STRAIGHT LINE BETWEEN THEM.
SEE PLAN FOR EXIT DISTANCE.

SECTION 1008 - MEANS OF EGRESS ILLUMINATION
PROVIDE MEANS OF EGRESS ILLUMINATION AT A MINIMUM OF ONE FOOT-CANDLE AT PATH OF EGRESS TO MEET SECTION 1008. EXTEND TO 5' - 0" OUTSIDE EGRESS DOORS.

- EMERGENCY POWER LIGHTING REQUIRED THROUGHOUT PER WSFC 1008 PROVIDE:
- EMERGENCY POWER FOR MINIMUM 90 MINUTES. (GENERATOR BACK-UP)
- AVERAGE INITIAL ILLUMINATION OF 1 FOOT-CANDLE (11 LUX)
- MAXIMUM TO MINIMUM UNIFORMITY RATIO OF 40 TO 1, MAXIMUM

SECTION 1010: DOORS, GATES, AND TURNSTILES
RATED, SIZED, AND HARDWARE PROVIDED TO MEET SECTION 1010 - SEE INDIVIDUAL FLOOR PLANS AND SPECIFICATIONS.

- PROVIDE PANIC HARDWARE AT ELECTRICAL ROOM (1010.2.9.2)

SECTION 1013 - EXIT SIGNS
PROVIDE EXIT SIGNAGE TO MEET SECTION 1013.1 - EXIT SIGNAGE TO BE PART OF ELECTRICAL PLANS

SECTION 1006 AND 1017 - EXIT ACCESS
ALL SPACES EXIT DIRECTLY TO THE EXTERIOR, THROUGH AN ENTRY FOYER OR THROUGH AN INTERVENING ROOM (SECTION 1016.2)

B OCCUPANCY: MAXIMUM DISTANCE ALLOWED: 300' - 0"
MAXIMUM DISTANCE PROVIDED: 171' - 0"
MAXIMUM COMMON PATH ALLOWED: 100' - 0"
MAXIMUM COMMON PATH PROVIDED: N/A

A-3 OCCUPANCY: MAXIMUM DISTANCE ALLOWED: 250' - 0"
MAXIMUM DISTANCE PROVIDED: 55' - 0"
MAXIMUM COMMON PATH ALLOWED: 75' - 0"
MAXIMUM COMMON PATH PROVIDED: N/A

I-3 OCCUPANCY: MAXIMUM DISTANCE ALLOWED: 200' - 0"
MAXIMUM DISTANCE PROVIDED: 135' - 9"
MAXIMUM COMMON PATH ALLOWED: 100' - 0"
MAXIMUM COMMON PATH PROVIDED: N/A

S-2 OCCUPANCY: MAXIMUM DISTANCE ALLOWED: 400' - 0"
MAXIMUM DISTANCE PROVIDED: 152' - 0"
MAXIMUM COMMON PATH ALLOWED: 100' - 0"
MAXIMUM COMMON PATH PROVIDED: N/A

SECTION 1022: EXITS
COMPONENTS AND OPENINGS ARE SHOWN ON THIS SHEET, INDIVIDUAL FLOOR PLANS, AND IN THE SPECIFICATIONS

SECTION 1028: EXIT DISCHARGE
ALL EXITS DISCHARGE AT THE GROUND LEVEL- SEE SITE PLAN.

FIRST FLOOR PLUMBING CALCULATIONS - TABLE 2902.1

OCCUPANCY USE	TYPE	AREA	OCC. LOAD	WATER CLOSETS RATIO	WATER CLOSETS M	WATER CLOSETS F	LAVATORIES RATIO	LAVATORIES M	LAVATORIES F
ASSEMBLY	A-3	3971	266	1 per 125 M 1 per 65 F	1.06	2.05	1 per 200	0.67	0.67
OFFICE	B	42718	413	1/25 < 50, 1/50 REMAINDER	4.63	4.63	1/40 < 80, 1/80 REMAINDER	3.08	3.08
INSTITUTION	I-3	219	3	1 per 15	0.01	0.01	1 per 15	0.01	0.01
STORAGE	S-2	965	4	1 per 100	0.02	0.02	1 per 100	0.02	0.02
TOTAL REQUIRED:					5.72	6.71		3.78	3.78
TOTAL PROVIDED:					13	14		6	6

OCCUPANCY LEGEND

A-3 S-2 B
I-3 (Plan Check A) NIC

LEGEND

- INTERIOR PARTITION PER PLAN
- EXISTING INTERIOR PARTITION PER PLAN
- CMU WALL PER PLAN
- 1-HOUR FIRE RATED ASSEMBLY
- BALLISTIC ASSEMBLY
- SECURITY ASSEMBLY
- 1-HOUR FIRE RATED, BALLISTIC ASSEMBLY
- 1-HOUR FIRE RATED, SECURITY ASSEMBLY
- FULL HEIGHT ASSEMBLY
- CMU 1-HOUR FIRE RATED ASSEMBLY
- EXISTING TO REMAIN (NO WORK IN THIS AREA)

Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/26907-PPSB Benaroya-V23-A.rvt 4/9/2025 10:04:22 AM As indicated

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Client: MACKENZIE.

City of Puyallup

Project:
Puyallup Public Safety Building
1015 39th Avenue SE,
Puyallup, WA, 98374

11049 REGISTERED ARCHITECT
Brett Lee Hanson
STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Plan Check Response 1	04/09/2025

SHEET TITLE:
CODE ANALYSIS

SHEET
G1.10

JOB NO. **2170269.07**

City of Puyallup
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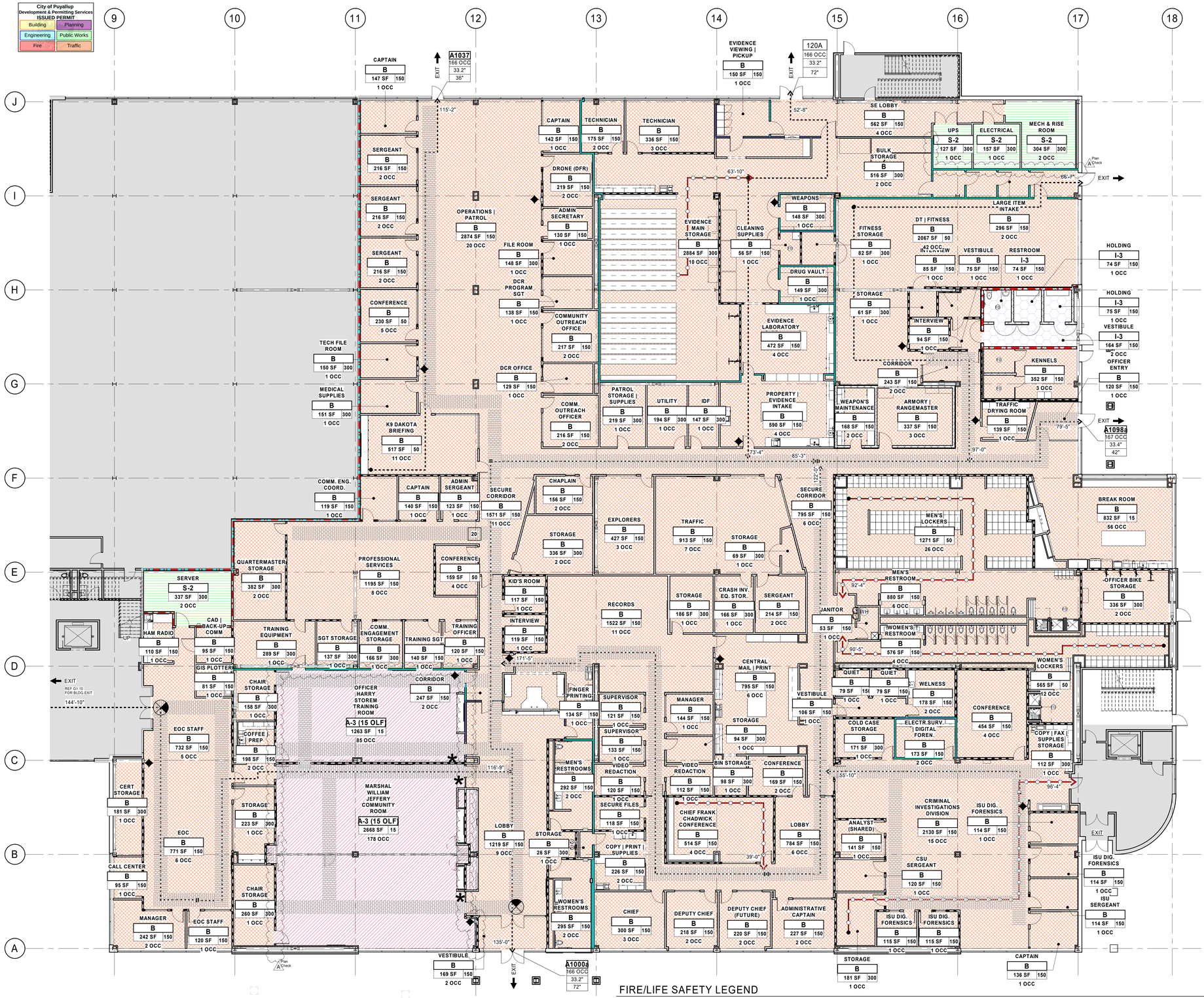
Building	Planning
Engineering	Public Works
Fire	Traffic

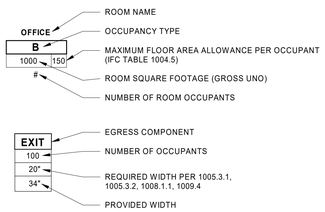


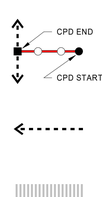
G1.11/01 - FIRST FLOOR CODE ANALYSIS - OCCUPANCY

1 / G1.11 — 3/32" = 1'-0"

OCCUPANCY LEGEND

FIRE/LIFE SAFETY LEGEND





COMMON PATH OF EGRESS TRAVEL, TABLE 1006.2.1
A OCCUPANCY WITH SPRINKLER SYSTEM = 75 FEET MAX
B OCCUPANCY WITH SPRINKLER SYSTEM = 100 FEET MAX
I OCCUPANCY WITH SPRINKLER SYSTEM = 100 FEET MAX
S OCCUPANCY WITH SPRINKLER SYSTEM = 100 FEET MAX

EXIT ACCESS TRAVEL DISTANCE, TABLE 1017.2
A OCCUPANCY WITH SPRINKLER SYSTEM = 250 FEET MAX
B OCCUPANCY WITH SPRINKLER SYSTEM = 300 FEET MAX
I OCCUPANCY WITH SPRINKLER SYSTEM = 200 FEET MAX
S OCCUPANCY WITH SPRINKLER SYSTEM = 250 FEET MAX

EXIT PATH 44" (UNO) MEANS OF EGRESS LIGHTING ALONG EGRESS PATH SHALL NOT BE LESS THAN 1 FOOT CANDLE AT THE FLOOR LEVEL ALL ALL POINTS ALONG THE EGRESS PATH, A MAXIMUM-TO-MINIMUM ILLUMINATION UNIFORMITY RATIO OF 40:1 SHALL NOT BE EXCEEDED TO MEET ALL REQUIREMENTS OF SECTION 1008. SEE ELECTRICAL LIGHTING DRAWINGS.

EXIT — **PRIMARY EXIT** - ALL EXITS DISCHARGE AT GRADE OR HAVE DIRECT ACCESS TO GRADE

EXIT SIGN - SEE ELECTRICAL FOR FURTHER INFORMATION AND ADDITIONAL SIGNS

EXIT SIGN (EXISTING) - SEE G1.10 FOR LOCATIONS

FIRE EXTINGUISHER - SEE G1.10 FOR LOCATIONS

OCCUPANCY LOAD SIGN

Area Schedule (Code)

ROOM NUMBER	ROOM NAME	OCCUPANCY TYPE	OCCUPANCY LOAD FACTOR	AREA	OCCUPANTS
A1004	MARSHAL WILLIAM JEFFERY COMMUNITY ROOM	A-3 (15 OLF)	15	2668 SF	178
A1007	OFFICER HARRY STOREM TRAINING ROOM	A-3 (15 OLF)	15	1263 SF	85
A-3 (15 OLF)				3930 SF	263
A1000	VESTIBULE	B	150	169 SF	2
A1001	LOBBY	B	150	1219 SF	9
A1002	WOMEN'S RESTROOMS	B	150	295 SF	2
A1003	MEN'S RESTROOMS	B	150	292 SF	2
A1005	CHAIR STORAGE	B	300	260 SF	1
A1008	COFFEE | PREP	B	150	198 SF	2
A1009	CHAIR STORAGE	B	300	158 SF	1
A1010	RECORDS	B	150	1522 SF	11
A1011	FINGER PRINTING	B	150	134 SF	1
A1012	STORAGE	B	300	186 SF	1
A1013	MANAGER	B	150	144 SF	1
A1014	STORAGE	B	300	94 SF	1
A1015	VIDEO REDACTION	B	150	112 SF	1
A1016	VIDEO REDACTION	B	150	120 SF	1
A1017	SUPERVISOR	B	150	133 SF	1
A1018	SUPERVISOR	B	150	121 SF	1
A1019	CORRIDOR	B	150	247 SF	2
A1020	INTERVIEW	B	150	119 SF	1
A1021	KID'S ROOM	B	150	117 SF	1
A1022	PROFESSIONAL SERVICES	B	150	1195 SF	8
A1023	CONFERENCE	B	50	159 SF	4
A1024	TRAINING OFFICER	B	150	120 SF	1
A1025	TRAINING SGT	B	150	140 SF	1
A1026	COMM. ENGAGEMENT STORAGE	B	300	166 SF	1
A1027	SGT STORAGE	B	300	137 SF	1
A1028	TRAINING EQUIPMENT	B	300	289 SF	1
A1029	QUARTERMASTER STORAGE	B	300	382 SF	2
A1032	COMM. ENG. COORD.	B	150	119 SF	1
A1033	CAPTAIN	B	150	140 SF	1
A1034	ADMIN SERGEANT	B	150	123 SF	1
A1035	STORAGE	B	300	336 SF	2
A1036	CHAPLAIN	B	150	156 SF	2
A1037	OPERATIONS | PATROL	B	150	2874 SF	20
A1038	K9 DAKOTA BRIEFING	B	50	517 SF	11
A1039	MEDICAL SUPPLIES	B	300	151 SF	1
A1040	FILE ROOM	B	300	148 SF	1
A1041	TECH FILE ROOM	B	300	150 SF	1
A1042	CONFERENCE	B	50	230 SF	5
A1043	SERGEANT	B	150	216 SF	2
A1044	SERGEANT	B	150	216 SF	2
A1045	SERGEANT	B	150	216 SF	2
A1046	CAPTAIN	B	150	147 SF	1
A1047	CAPTAIN	B	150	142 SF	1
A1048	DRONE (DFR)	B	150	219 SF	2
A1049	ADMIN SECRETARY	B	150	130 SF	1
A1050	DCR PROGRAM SGT	B	150	138 SF	1
A1051	COMMUNITY OUTREACH OFFICE	B	150	217 SF	2
A1052	DCR OFFICE	B	150	129 SF	1
A1053	COMM. OUTREACH OFFICER	B	150	216 SF	2
A1054	EXPLORERS	B	150	427 SF	3
A1055	PATROL STORAGE | SUPPLIES	B	300	219 SF	1
A1057	TRAFFIC	B	150	913 SF	7
A1058	STORAGE	B	300	69 SF	1
A1059	SERGEANT	B	150	214 SF	2
A1060	CRASH INV. EQ. STOR.	B	300	166 SF	1
A1062	SECURE CORRIDOR	B	150	795 SF	6
A1063	CENTRAL MAIL | PRINT	B	150	795 SF	6
A1064	CONFERENCE	B	150	169 SF	2
A1065	LOBBY	B	150	784 SF	6
A1066	ADMINISTRATIVE CAPTAIN	B	150	227 SF	2
A1067	DEPUTY CHIEF (FUTURE)	B	150	220 SF	2
A1068	DEPUTY CHIEF	B	150	218 SF	2
A1069	CHIEF	B	150	300 SF	3
A1070	COPY | PRINT | SUPPLIES	B	150	226 SF	2
A1070B	STORAGE	B	300	26 SF	1
A1071	SECURE FILES	B	150	118 SF	1
A1072	CHIEF FRANK CHADWICK CONFERENCE	B	150	514 SF	4
A1073	BIN STORAGE	B	300	98 SF	1
A1074	IDF	B	300	147 SF	1
A1075	CRIMINAL INVESTIGATIONS DIVISION	B	150	2130 SF	15
A1076	ELECTR.SURV. | DIGITAL FOREN.	B	150	173 SF	2
A1077	CONFERENCE	B	150	454 SF	4
A1078	COPY | FAX | SUPPLIES STORAGE	B	300	112 SF	1
A1079	ISU DIG. FORENSICS	B	150	114 SF	1
A1080	ISU DIG. FORENSICS	B	150	114 SF	1
A1081	ISU SERGEANT	B	150	114 SF	1
A1082	CAPTAIN	B	150	136 SF	1
A1083	ISU DIG. FORENSICS	B	150	115 SF	1
A1084	ISU DIG. FORENSICS	B	150	115 SF	1
A1085	STORAGE	B	300	181 SF	1
A1086	CSU SERGEANT	B	150	120 SF	1
A1087	ANALYST (SHARED)	B	150	141 SF	1
A1088	COLD CASE STORAGE	B	300	171 SF	1
A1089	VESTIBULE	B	150	106 SF	1
A1090	QUIET	B	150	79 SF	1
A1091	QUIET	B	150	79 SF	1
A1092	WELNESS	B	150	178 SF	2
A1093	JANITOR	B	150	53 SF	1
A1094	WOMEN'S RESTROOM	B	150	576 SF	4
A1095	WOMEN'S LOCKERS	B	50	565 SF	12
A1096	MEN'S RESTROOM	B	150	880 SF	6
A1097	MEN'S LOCKERS	B	50	1271 SF	26
A1098	OFFICER ENTRY	B	150	120 SF	1
A1099	BREAK ROOM	B	15	832 SF	56
A1100	INTERVIEW	B	150	85 SF	1
A1101	INTERVIEW	B	150	94 SF	1
A1102	CORRIDOR	B	150	243 SF	2
A1107	KENNELS	B	150	352 SF	3
A1110	ARMORY | RANGEMASTER	B	150	337 SF	3
A1111	TRAFFIC DRYING ROOM	B	150	139 SF	1
A1112	WEAPON'S MAINTENANCE	B	150	168 SF	2
A1113	FITNESS STORAGE	B	300	82 SF	1
A1114	DT | FITNESS	B	50	2067 SF	42
A1115	STORAGE	B	300	61 SF	1
A1116	PROPERTY | EVIDENCE INTAKE	B	150	590 SF	4
A1117	EVIDENCE LABORATORY	B	150	472 SF	4
A1118	DRUG VAULT	B	300	149 SF	1
A1119	CLEANING SUPPLIES	B	150	56 SF	1
A1120	WEAPONS	B	300	148 SF	1
A1121	EVIDENCE MAIN STORAGE	B	300	2884 SF	10
A1123	TECHNICIAN	B	150	175 SF	2
A1124	TECHNICIAN	B	150	336 SF	3
A1125	EVIDENCE VIEWING | PICKUP	B	150	150 SF	1
A1126	BULK STORAGE	B	300	516 SF	2
A1127	LARGE ITEM INTAKE	B	150	296 SF	2
A1128	VESTIBULE	B	150	75 SF	1
A1129	SECURE CORRIDOR	B	150	1571 SF	11
A1131	UTILITY	B	300	194 SF	1
A1136	SE LOBBY	B	150	562 SF	4
A1137	OFFICER BIKE STORAGE	B	300	336 SF	2
B1000	EOC STAFF	B	150	732 SF	5
B1001	HAM RADIO	B	150	110 SF	1
B1002	CAD | BACK-UP COMM	B	150	95 SF	1
B1003	GIS PLOTTER	B	150	81 SF	1
B1004	EOC	B	150	771 SF	6
B1005	STORAGE	B	300	223 SF	1
B1006	EOC STAFF	B	150	120 SF	1
B1007	MANAGER	B	150	242 SF	2
B1008	CALL CENTER	B	150	95 SF	1
B1009	CERT STORAGE	B	300	181 SF	1
B				45525 SF	448
A1103	VESTIBULE	I-3	150	164 SF	2
A1104	HOLDING	I-3	150	75 SF	1
A1105	HOLDING	I-3	150	74 SF	1
A1106	RESTROOM	I-3	150	74 SF	1
I-3				387 SF	5
A1132	SERVER	S-2	300	337 SF	2
A1133	UPS	S-2	300	127 SF	1
A1134	ELECTRICAL	S-2	300	157 SF	1
A1135	MECH & RISE ROOM	S-2	300	304 SF	2
S-2				925 SF	6
Grand total: 140				50767 SF	722

Architecture • Interiors
Planning • Engineering

Portland, OR
503.224.9560
Vancouver, WA
360.695.7879
Seattle, WA
206.749.9993

www.mackenzie.inc

Client

City of Puyallup

Project

Puyallup Public Safety Building
1015 39th Avenue SE,
Puyallup, WA, 98374

11049 REGISTERED ARCHITECT Brett Lee Hanson STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Plan Check Response 1	04/09/2025

SHEET TITLE:
CODE PLAN

SHEET
G1.11

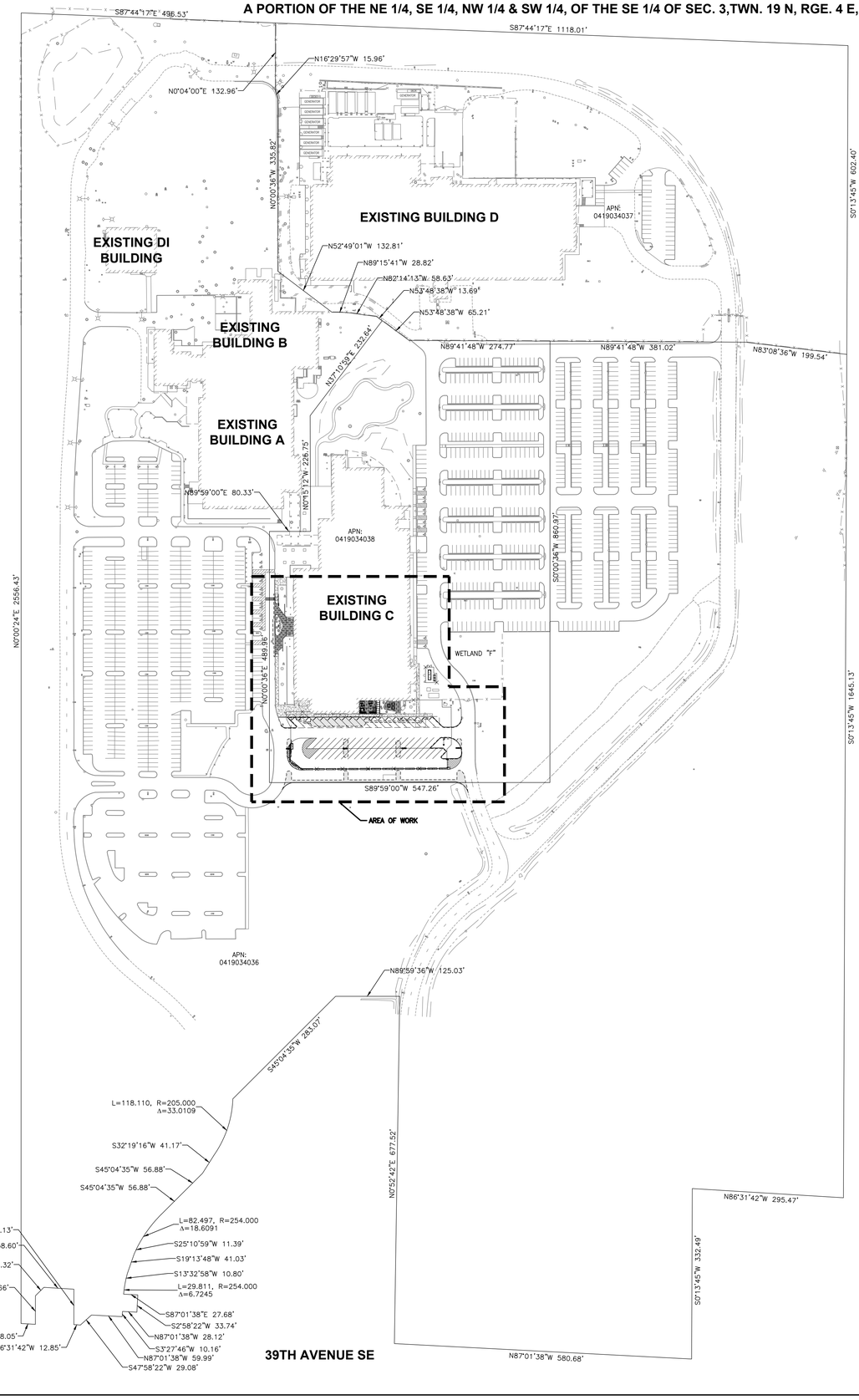
JOB NO. 2170269.07

Permit/Bid Set 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

COVER SHEET
FOR
PUYALLUP PUBLIC SAFETY BUILDING
A PORTION OF THE NE 1/4, SE 1/4, NW 1/4 & SW 1/4, OF THE SE 1/4 OF SEC. 3,TWN. 19 N, RGE. 4 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON



ARCHITECT
MACKENZIE INC.
500 UNION STREET, SUITE 410
SEATTLE, WA 98101
(206) 749-9993
CONTACT: BRETT HANSON, ARCHITECT

CIVIL ENGINEER
BARGHAUSEN CONSULTING ENGINEERS, LLC.
18215 72ND AVE SOUTH
KENT, WA 98032
(425) 251-6222
CONTACT: CARA VISINTAINER, PE

LAND SURVEYOR
BARGHAUSEN CONSULTING ENGINEERS, LLC.
18215 72ND AVE SOUTH
KENT, WA 98032
(425) 251-6222
CONTACT: DAVE WILLIAMS

SURVEY INFORMATION
HORIZONTAL DATUM – NAD 83/91:
THE BASIS OF BEARINGS IS THE BEARING BETWEEN PIERCE COUNTY MON 2208 (WCCS 660) AND PIERCE COUNTY MON 2128 (WCCS 580), TAKEN AS NORTH 25°54'26" WEST, BASED UPON NORTH AMERICAN DATUM OF 1983 – NAD 83 (91) – WASHINGTON STATE PLANE COORDINATE SYSTEM, SOUTH ZONE.

VERTICAL DATUM – NAVD88:

REFERENCE SURVEYS:
1. PUYALLUP BOUNDARY LINE REVISION NO. P-12-0044, RECORDED UNDER RECORDING NO. 201211145004.

2. RECORD OF SURVEY RECORDING NO. 200704305001, AND AS CORRECTED BY AFFIDAVIT OF MINOR CORRECTION UNDER RECORDING NO. 200710260050.

ESTIMATED EARTHWORK QUANTITIES
CUT: 170 CY
FILL: 120 CY
NET: 50 CY (EXPORT)

EARTHWORK QUANTITIES ARE APPROXIMATE AND HIGHLY DEPENDANT ON SOIL CONDITIONS ENCOUNTERED DURING CONSTRUCTION. CONTRACTOR SHOULD PERFORM INDEPENDENT ESTIMATE FOR BIDDING.

SITE INFORMATION
SITE ADDRESS: 1015 39TH AVENUE SE PUYALLUP, WA 98374-2121

PARCEL NUMBER: 0419034036, 0419034038

PARCEL SIZE: 61.28 ACRES, 9.62 ACRES

EXISTING USE: BUSINESS PARK

ZONING DESIGNATION: BUSINESS PARK (MP)

FEMA FLOODPLAIN: ZONE X – AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN

LEGAL DESCRIPTION: LOTS 1 THROUGH 3, CITY OF PUYALLUP BOUNDARY LINE REVISION NO. P-21-0138, RECORDED MARCH 22, 2022 UNDER RECORDING NO. 202203225003, IN PIERCE COUNTY, WASHINGTON.

UTILITIES
WATER: CITY OF PUYALLUP
1100 39TH AVENUE SE
PUYALLUP, WA 98374
(253) 841-5505

SEWER: CITY OF PUYALLUP
1100 39TH AVENUE SE
PUYALLUP, WA 98374
(253)841-5505

POWER: PUGET SOUND ENERGY
105 156TH AVENUE NE
BELLEVUE, WA 98005
1 (800) 321-4321

GAS: PUGET SOUND ENERGY
105 156TH AVENUE NE
BELLEVUE, WA 98005
1 (800) 321-4321

TELEPHONE: CENTURY LINK
450 110TH AVENUE NE
PREMIS BUREAU, 4TH FLOOR
BELLEVUE, WA 98003

CABLE: COMCAST
P.O. BOX 1048
AUBURN, WA 98002

FIRE: FIRE DISTRICT #6
CENTRAL PIERCE FIRE AND RESCUE
1015 39TH AVENUE, SUITE 120
PUYALLUP, WA 98374
(253) 538-6400

INDEX OF SHEETS

C1	OF 9	COVER SHEET
C2	OF 9	GENERAL NOTES
C3	OF 9	EXISTING CONDITIONS
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C5	OF 9	TESC NOTES & DETAILS
C6	OF 9	SITE PLAN
C7	OF 9	GRADING, DRAINAGE, & UTILITY PLAN
C8	OF 9	UTILITY DETAILS
C9	OF 9	UTILITY DETAILS

N

0 50' 100' 200'
SCALE: 1"=100'

LEGEND:

EXISTING:		PROPOSED:
P	POWER VAULT	
	LUMINAIRE (LUM.)	
	POWER METER	
	POWER POLE	
	JUNCTION BOX (AS NOTED)	
	CATCH BASIN (CB)	■
	STORM MANHOLE (SDMH)	■
	SANITARY SEWER MANHOLE (SSMH)	●
	GAS VALVE	
	WATER VALVE (WV)	⋈
	FIRE HYDRANT (FH)	⋈
	WATER METER	⋈
	SIGN	⊥
	WELL	
	GUARD POST (GP)	
	FLAG POLE (FP)	
	MAILBOX	
	SURVEY MONUMENT (AS NOTED)	✳
	BENCHMARK	
	SECTION CORNER (AS NOTED)	
	FOUND REBAR/CAP (AS NOTED)	
	FOUND LEAD/TACK	
	CONCRETE	
	GRAVEL	
	PAVEMENT	
–W– –W– –W–	WATER LINE	W
	SANITARY SEWER LINE	
	STORM DRAINAGE LINE	
T(UG)	GAS LINE	
T(UG)	TELEPHONE UNDERGROUND	
P(UG)	POWER UNDERGROUND	
P(OH)	POWER OVERHEAD	
	CHAIN LINK FENCE	
	BARBED WIRE FENCE	
	WOOD FENCE	
	ROCKERY RETAINING WALL	
	LOCK AND LOAD RETAINING WALL	
472	CONTOUR (MAJOR)	540
466	CONTOUR (MINOR)	535
	GUARD RAIL/CABLE FENCE	
	PROJECT BOUNDARY LINE	
	SECTION LINE	
	RIGHT-OF-WAY	
	CENTERLINE	
	PROPOSED LOT LINE	
	EASEMENT LINE	
	PHASE LINE	
	SAWCUT	
	HOGWIRE FENCE	

For Reference Only
See separate civil permit.
PRCCP20250372

PRCTI20250324 shall match approved civil permit PRCCP20250372

CALL BEFORE YOU DIG: 1-800-424-5555 OR "811"

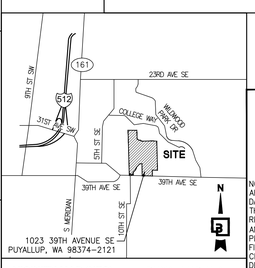
UTILITY CONFLICT NOTE
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATIONS, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS NOR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 1-800-424-5555 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATION OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST, LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, LLC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

MONUMENT PROTECTION NOTE
CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR OBTAINING PERMITS FROM THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES FOR REMOVING AND REPLACING ALL SURVEY MONUMENTATION THAT MAY BE AFFECTED BY CONSTRUCTION ACTIVITY, PURSUANT TO WAC 332-120. APPLICATIONS MUST BE COMPLETED BY A REGISTERED LAND SURVEYOR. APPLICATIONS FOR PERMITS TO REMOVE MONUMENTS MAY BE OBTAINED FROM THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES, OR BY CONTACTING THEIR OFFICE BY TELEPHONE AT (206) 902-1190.

WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES
PUBLIC LAND SURVEY OFFICE
1111 WASHINGTON STREET S.E.
P.O. BOX 47060
OLYMPIA, WASHINGTON 98504-7060

UPON COMPLETION OF CONSTRUCTION, ALL MONUMENTS DISPLACED, REMOVED OR DESTROYED SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR AT THE COST AND AT THE DIRECTION OF THE CONTRACTOR, PURSUANT TO THESE REGULATIONS. THE APPROPRIATE FORMS FOR REPLACEMENT OF SAID MONUMENTATION SHALL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR.

HORIZONTAL CONTROL NOTE
THE CONTRACTOR SHALL HAVE ALL PROPERTY LINES, CURB, SIDEWALK, STRUCTURES, CONCRETE PADS AND ANY OTHER ABOVE GROUND PERMANENT STRUCTURE DEPICTED ON THESE PLANS STAKED FOR CONSTRUCTION BY A LICENSED SURVEYOR. THE LICENSED SURVEYOR SHALL STAKE ALL ITEMS USING COORDINATE GEOMETRY (RECTIFIED TO SITE CONTROL) CONTAINED IN CAD DRAWING FILES PROVIDED BY BARGHAUSEN CONSULTING ENGINEERS, INC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO RETRIEVE THE LATEST CAD FILES FROM BARGHAUSEN CONSULTING ENGINEERS, INC., REFLECTING ANY ISSUED PLAN REVISIONS. BARGHAUSEN CONSULTING ENGINEERS, LLC. SHALL IMMEDIATELY BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.



1023 39TH AVENUE SE
PUYALLUP, WA 98374-2121

VICINITY MAP (NTS) **PUYALLUP, WA**

APPROVED
BY_____
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING
DATE_____

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.
THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.
FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.

No.	Date	By	Ckd.	Appr.	Revision

Title: COVER SHEET
FOR PUYALLUP PUBLIC
SAFETY BUILDING BENAROYA
TENANT IMPROVEMENT PERMIT/BID SET

For: MACKENZIE INC.
500 UNION STREET, SUITE 410
SEATTLE, WASHINGTON 98101

CARA VISINTAINER STATE OF WASHINGTON 42841 REGISTERED PROFESSIONAL ENGINEER
2/26/25

Scale: Horizontal 1" = 100' Vertical N/A

Designed KDM Drawn KDM Checked CMV Approved CMV Date 3/4/25

Barghausen Consulting Engineers, LLC.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 **barghausen.com**

Job Number 23796 Sheet C1 of 9

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City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

GENERAL NOTES
FOR
PUYALLUP PUBLIC SAFETY BUILDING
A PORTION OF THE NE 1/4, SE 1/4, NW 1/4 & SW 1/4, OF THE SE 1/4 OF SEC. 3,TWN. 19 N, RGE. 4 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

GENERAL SITE DEVELOPMENT NOTES

1. THE GENERAL CONTRACTOR SHALL OBTAIN AND HAVE AVAILABLE COPIES OF THE APPLICABLE GOVERNING AGENCY STANDARDS AT THE JOB SITE DURING THE RELATED CONSTRUCTION OPERATIONS.
2. THE GENERAL CONTRACTOR SHALL ASSURE THAT ALL NECESSARY PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING WORK.
3. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION WHETHER SHOWN ON THESE PLANS OR NOT. UTILITIES OTHER THAN THOSE SHOWN MAY EXIST ON THIS SITE. ONLY THOSE UTILITIES WITH EVIDENCE OF THEIR INSTALLATION VISIBLE AT GROUND SURFACE OR SHOWN ON RECORD DRAWINGS PROVIDED BY OTHERS ARE SHOWN HEREON. EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY AND ARE SUBJECT TO A DEGREE OF UNKNOWN VARIATION. SOME UNDERGROUND LOCATIONS SHOWN HEREON MAY HAVE BEEN TAKEN FROM PUBLIC RECORDS. BARGHAUSEN CONSULTING ENGINEERS, LLC. ASSUMES NO LIABILITY FOR THE ACCURACY OF PUBLIC RECORDS OR RECORDS OF OTHERS. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, LLC. TO RESOLVE ALL PROBLEMS PRIOR TO CONSTRUCTION.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.
5. IT SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE APPROPRIATE UTILITIES INVOLVED PRIOR TO CONSTRUCTION.
6. INSPECTION OF SITE WORK WILL BE THE RESPONSIBILITY OF A REPRESENTATIVE OF THE GOVERNING JURISDICTION. INSPECTION OF PRIVATE FACILITIES WILL BE ACCOMPLISHED BY A REPRESENTATIVE OF THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE INSPECTOR 24 HOURS IN ADVANCE OF BACKFILLING ALL CONSTRUCTION.
7. PRIOR TO ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY, THE CONTRACTOR SHALL CONTACT THE AGENCY AND/OR UTILITY INSPECTION PERSONNEL AND ARRANGE ANY REQUIRED PRE-CONSTRUCTION MEETING(S). THE CONTRACTOR SHALL PROVIDE 72 HOURS MINIMUM ADVANCE NOTIFICATION TO THE OWNER, FIELD ENGINEER AND ENGINEER OF THE PRE-CONSTRUCTION MEETINGS.
8. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR WORKER AND SITE SAFETY AND SHALL COMPLY WITH THE LATEST OSHA STANDARDS AND REGULATIONS, OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE "MEAN AND METHODS" REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA, AS WELL AS ANY OTHER AGENCY THAT HAS JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES.
9. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED.
10. PROTECTIVE MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT ALL ADJACENT PUBLIC AND PRIVATE PROPERTIES AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL EXISTING UTILITY SERVICES THAT ARE TO REMAIN OPERATION WITHIN THE CONSTRUCTION AREA WHETHER SHOWN OR NOT SHOWN ON THE PLANS.
11. TWO (2) COPIES OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. ONE (1) SET WITH RECORDS OF AS-BUILT INFORMATION SHALL BE SUBMITTED TO BARGHAUSEN CONSULTING ENGINEERS, INC. AT COMPLETION OF THE PROJECT.
12. THE GENERAL CONTRACTOR SHALL OBTAIN SERVICES OF A LICENSED LAND SURVEYOR TO STAKE HORIZONTAL CONTROL FOR ALL NEW IMPROVEMENTS. STAKING CONTROL SHALL BE TAKEN FROM ELECTRONIC PLAN FILES PROVIDED BY BARGHAUSEN CONSULTING ENGINEERS, LLC.
13. THE GENERAL CONTRACTOR SHALL REQUEST FROM BARGHAUSEN CONSULTING ENGINEERS, LLC. PRIOR TO ANY CONSTRUCTION STAKING OR CONSTRUCTION WORK, A FORMAL CONSTRUCTION RELEASE PLAN SET OR SPECIFIC RELEASE IN WRITING. THE APPROVED AGENCY PERMIT DRAWINGS WILL NOT BE CONSIDERED CONSTRUCTION RELEASE PLANS BY BARGHAUSEN CONSULTING ENGINEERS, INC. UNLESS BARGHAUSEN CONSULTING ENGINEERS, LLC. HAS GIVEN A FORMAL WRITTEN RELEASE OR ISSUED A CONSTRUCTION RELEASE PLAN SET.

CONSTRUCTION SEQUENCE

1. FLAGGING OF CLEARING LIMITS.
2. SCHEDULE AND ATTEND PRE-CONSTRUCTION MEETING WITH THE CITY OF PUYALLUP.
3. PROVIDE MISC. DEMOLITION AND CLEAR AND GRUB AREA WITHIN CLEARING LIMITS REQUIRED FOR INSTALLATION OF TEMPORARY EROSION AND SEDIMENTATION CONTROL FACILITIES. ALL EROSION AND SEDIMENTATION CONTROL FACILITIES SHOWN ON THE EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE INSTALLED PRIOR TO, OR AS A FIRST STAGE OF SITE PREPARATION.
4. PROVIDE INLET PROTECTION AND FILTER FABRIC FENCE AS SHOWN ON THE EROSION AND SEDIMENTATION CONTROL PLANS.
5. THE CONTRACTOR SHALL INSPECT EROSION AND SEDIMENTATION CONTROL MEASURES AND PROVIDE REPAIRS AS NEEDED FOR THE PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
6. CLEAR AND GRUB ALL REMAINDER OF THE SITE WITHIN THE CLEARING LIMITS AND ROUGH GRADE.
7. PROVIDE COVER MEASURES TO INCLUDE ARMORING, MULCHING, AND HYDROSEEDING TO STABILIZE DENUDED AREA AND PREVENT THE TRANSPORT OF SEDIMENT-LADEN STORMWATER OFF-SITE.
8. PROVIDE STORM SYSTEM AND MISCELLANEOUS UTILITIES AS SHOWN ON THE PLANS.
9. FINE GRADE THE SITE AND PAVE. COORDINATE WITH THE CITY OF PUYALLUP FOR REQUIRED INSPECTIONS.
10. STABILIZE ALL REMAINING DISTURBED AREAS.

TRENCH NOTE

IF WORKERS ENTER ANY TRENCH OR OTHER EXCAVATION FOUR (4) OR MORE FEET IN DEPTH THAT DOES NOT MEET THE OPEN PIT REQUIREMENTS OF WSDOT SECTION 2-09.3(3)B, IT SHALL BE SHORED AND CRIBBED. THE CONTRACTOR ALONE SHALL BE RESPONSIBLE FOR WORKER SAFETY AND BARGHAUSEN CONSULTING ENGINEERS, LLC. ASSUMES NO RESPONSIBILITY. ALL TRENCH SAFETY SYSTEMS SHALL MEET THE REQUIREMENTS OF THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT, CHAPTER 49.17 RCW.

FILL SPECIFICATION

IMPORTED FILL MATERIAL SHALL NOT CONTAIN PETROLEUM PRODUCTS, OR SUBSTANCES WHICH ARE HAZARDOUS, DANGEROUS, TOXIC, OR WHICH OTHERWISE VIOLATE ANY STATE, FEDERAL, OR LOCAL LAW, ORDINANCE, CODE, REGULATION, RULE, ORDER, OR STANDARD.

CRITICAL AREA DELINEATION NOTES

PERMANENT CRITICAL AREA MARKERS ARE REQUIRED TO BE INSTALLED EVERY 50 FEET AROUND THE BOUNDARY OF CRITICAL AREA BUFFERS FOR THE FOLLOWING CRITICAL AREAS; WETLANDS, STREAMS, LANDSLIDE HAZARD AREAS.

CITY OF PUYALLUP STANDARD NOTES

1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE APPROVED ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES AT (253-841-5568) TO SCHEDULE THE MEETING. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN SET OF APPROVED PLANS AT THE MEETING.
2. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").
4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
5. ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE CITY PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
6. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
7. ANY STRUCTURE AND/OR OBSTRUCTION THAT REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
8. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE TRUE ELEVATIONS AND LOCATIONS OF HIDDEN UTILITIES. ALL VISIBLE ITEMS SHALL BE THE ENGINEER'S RESPONSIBILITY.
9. THE CONTRACTOR SHALL INSTALL, REPLACE, OR RELOCATE ALL SIGNS, AS SHOWN ON THE PLANS OR AS AFFECTED BY CONSTRUCTION, PER CITY STANDARDS.
10. POWER, STREET LIGHT, CABLE, AND TELEPHONE LINES SHALL BE IN A TRENCH LOCATED WITHIN A 10-FOOT UTILITY EASEMENT ADJACENT TO PUBLIC RIGHT-OF-WAY. RIGHT-OF-WAY CROSSINGS SHALL HAVE A MINIMUM HORIZONTAL SEPARATION FROM OTHER UTILITIES (SEWER, WATER, AND STORM) OF 5 FEET.
11. ALL CONSTRUCTION SURVEYING FOR EXTENSIONS OF PUBLIC FACILITIES SHALL BE DONE UNDER THE DIRECTION OF A WASHINGTON STATE LICENSED LAND SURVEYOR OR A WASHINGTON STATE LICENSED PROFESSIONAL CIVIL ENGINEER.
12. DURING CONSTRUCTION, ALL PUBLIC STREETS ADJACENT TO THIS PROJECT SHALL BE KEPT CLEAN OF ALL MATERIAL DEPOSITS RESULTING FROM ON-SITE CONSTRUCTION, AND EXISTING STRUCTURES SHALL BE PROTECTED AS DIRECTED BY THE CITY.
13. CERTIFIED RECORD DRAWINGS ARE REQUIRED PRIOR TO PROJECT ACCEPTANCE.
14. A NPDES STORMWATER GENERAL PERMIT MAY BE REQUIRED BY THE DEPARTMENT OF ECOLOGY FOR THIS PROJECT. FOR INFORMATION CONTACT THE DEPARTMENT OF ECOLOGY, SOUTHWEST REGION OFFICE AT (360)407-6300.
15. ANY DISTURBANCE OR DAMAGE TO CRITICAL AREAS AND ASSOCIATED BUFFERS, OR SIGNIFICANT TREES DESIGNATED FOR PRESERVATION AND PROTECTION SHALL BE MITIGATED IN ACCORDANCE WITH A MITIGATION PLAN REVIEWED AND APPROVED BY THE CITY'S PLANNING DIVISION. PREPARATION AND IMPLEMENTATION OF THE MITIGATION PLAN SHALL BE AT THE DEVELOPER'S EXPENSE.

CITY OF PUYALLUP SEWER NOTES

1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE APPROVED ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES AT (253-841-5568) TO SCHEDULE THE MEETING. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN SET OF APPROVED PLANS AT THE MEETING.
2. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE SANITARY SEWER SERVICE.
3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").
4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
5. ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE CITY PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
6. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
7. ANY STRUCTURE AND/OR OBSTRUCTION THAT REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
8. MINIMUM GRADE ON ALL 4 INCH RESIDENTIAL SIDE SEWERS SHALL BE 2 PERCENT AND 6 INCH COMMERCIAL SIDE SEWERS SHALL BE 1 PERCENT; MAXIMUM SHALL BE 8 PERCENT. ALL SIDE SEWERS SHALL BE 6 INCHES WITHIN CITY RIGHT-OF-WAY.
9. SIDE SEWERS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD NOS. 04.03.01, 04.03.02, 04.03.03 AND 04.03.04. SIDE SEWER INSTALLATION WORK SHALL BE DONE IN ACCORDANCE WITH THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT (WISHA).
10. ALL SEWER PIPE SHALL BE PVC, POLYPROPYLENE, OR DUCTILE IRON. PVC SEWER PIPE SHALL CONFORM TO ASTM D-3034, SDR35 FOR PIPE SIZES 15-INCH AND SMALLER AND ASTM F679 FOR PIPE SIZES 18- TO 27-INCH, DUCTILE IRON PIPE SHALL BE CLASS 51 OR GREATER, LINED WITH PROTECTO 401TM EPOXY LINING OR EQUIVALENT, UNLESS OTHERWISE NOTED. 12-INCH THROUGH 30-INCH POLYPROPYLENE PIPE (PP) SHALL BE DUAL WALLED, HAVE A SMOOTH INTERIOR AND EXTERIOR CORRUGATIONS AND MEET WSDOT 9-05.24(2). IT SHALL MEET OR EXCEED ASTM F2764. 36-INCH THROUGH 60-INCH PP PIPE SHALL BE TRIPLE WALLED AND MEET WSDOT 9-05.24(2). IT SHALL MEET OR EXCEED ASTM F2764. PP SHALL HAVE A MINIMUM PIPE STIFFNESS OF 46 PII WHEN TESTED IN ACCORDANCE WITH ASTM D2412. TESTING SHALL BE PER ASTM F1417. TRENCHING, BEDDING, AND BACKFILL SHALL BE IN ACCORDANCE WITH CITY STANDARD NO. 06.01.01. MINIMUM COVER ON PVC AND PP PIPE SHALL BE 3.0 FEET. MINIMUM COVER ON DUCTILE IRON PIPE SHALL BE 1.0 FOOT.
11. SANITARY SEWER MANHOLE FRAMES AND COVERS SHALL CONFORM TO CITY STANDARD NO. 06.01.02.
12. SANITARY SEWER MANHOLES SHALL CONFORM TO CITY STANDARD NOS. 04.01.01, 04.01.02, 04.01.03 AND 04.01.04. ALL MANHOLES SHALL BE CHANNELED FOR FUTURE LINES AS SPECIFIED ON THESE PLANS. MANHOLES STEPS AND LADDER SHALL CONFORM TO STANDARD NO. 06.01.03.
13. SANITARY SEWER PIPE AND SIDE SEWERS SHALL BE 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES WITH THE EXCEPTION OF SIDE SEWERS THAT PROVIDE SERVICE TO A SINGLE-FAMILY RESIDENCE. AT THE DISCRETION OF THE REVIEW ENGINEER, A LICENSED PROFESSIONAL ENGINEER WILL BE REQUIRED TO STAMP THE DESIGN TO ACCOUNT FOR DEPTH OR PROXIMITY TO FOUNDATION, STEEP SLOPES, OR OTHER FACTORS.
14. NO SIDE SEWERS SHALL BE CONNECTED TO ANY HOUSE OR BUILDING UNTIL ALL MANHOLES ARE ADJUSTED TO FINISHED GRADE OF THE COMPLETED ASPHALT ROADWAY AND THE ASPHALT PATCH AND SEAL AROUND THE RING ARE ACCEPTED.
15. FOR ALL COMMERCIAL DEVELOPMENTS IN WHICH SOURCES OF GREASE AND/OR OILS MAY BE INTRODUCED TO THE CITY SANITARY SEWER SYSTEM, A CITY APPROVED GREASE INTERCEPTOR SHALL BE INSTALLED DOWNSTREAM FROM THE SOURCE.
16. ONCE SEWER AND ALL OTHER UTILITY CONSTRUCTION IS COMPLETED, ALL SANITARY SEWER MAINS AND SIDE SEWERS SHALL BE TESTED PER SECTION 406 OF THE CITY STANDARDS.

CITY OF PUYALLUP WATER NOTES

1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (253) 841-5568. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF PLANS AT THE MEETING.
2. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS"), OR AS DIRECTED BY FRUITLAND MUTUAL WATER COMPANY (FMWC), VALLEY WATER (VW), OR TACOMA CITY WATER (TCW) IS THE PURVEYOR.
4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
5. ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER, THE ENGINEERING SERVICES STAFF, AND THE FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR, PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
6. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
7. ANY STRUCTURE AND/OR OBSTRUCTION WHICH REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
8. BACTERIOLOGICAL (COLIFORM AND IRON BACTERIA) TEST SAMPLES WILL BE TAKEN BY THE CITY (OR FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR) AND PAID FOR BY THE CONTRACTOR, EXCEPT FOR CAPITAL IMPROVEMENT PROJECTS (CIP) WHICH SHALL BE PAID FOR BY THE CITY.
9. WATER MAINS SHALL HAVE A MINIMUM COVER OF 36 INCHES FROM PAVED FINAL GRADE IN IMPROVED RIGHT-OF-WAY AND IMPROVED EASEMENTS, AND A MINIMUM OF 48 INCHES IN UNIMPROVED RIGHT-OF-WAY AND UNIMPROVED EASEMENTS.
10. PIPE FOR WATER MAINS SHALL BE DUCTILE IRON CONFORMING TO SECTION 7-09 OF THE STANDARD SPECIFICATIONS, CLASS 52 WITH TYTON OR APPROVED EQUAL JOINTS. PIPE SHALL BE CEMENT LINED IN ACCORDANCE WITH A.S.A. SPECIFICATION A 21.4-1964.
11. CONNECTIONS TO EXISTING WATER MAINS TYPICALLY SHALL BE WET TAPS THROUGH A TAPPING TEE AND TAPPING VALVE AND SHALL BE MADE BY A CITY APPROVED CONTRACTOR. THE TAPPING SLEEVE SHALL BE ROMAC SST ALL STAINLESS STEEL TAPPING SLEEVE OR APPROVED EQUAL. A TWO-PIECE EPOXY COATED OR DUCTILE IRON TAPPING SLEEVE MAY BE USED ON DUCTILE IRON PIPE, WHEN THE TAP IS SMALLER THAN THE WATER MAIN SIZE I.E. 6-INCH TAP ON 8-INCH PIPE. THE CITY (OR FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR) SHALL APPROVE THE TIME AND LOCATION FOR THESE CONNECTIONS.
12. ALL WATER MAINS AND APPURTENANCES SHALL BE HYDROSTATICALLY TESTED AT 200 PSI IN ACCORDANCE WITH STANDARD SPECIFICATION 7-09.3(23). PRESSURE TESTING SHALL NOT BE PERFORMED UNTIL SATISFACTORY PURITY SAMPLES HAVE BEEN RECEIVED, EXCEPT WHEN NEW WATER MAINS ARE INSTALLED INDEPENDENTLY FROM THE WATER SYSTEM PIPING.
13. FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD DETAIL 03.05.01 AND AS DIRECTED BY THE CITY OF PUYALLUP FIRE CODE OFFICIAL.
14. VALVE MARKER POSTS SHALL BE INSTALLED WHERE VALVE BOXES ARE HIDDEN FROM VIEW OR IN UNPAVED AREAS. THE INSTALLATION SHALL BE IN ACCORDANCE WITH CITY STANDARD DETAIL 03.01.02.
15. RESILIENT SEATED WEDGE GATE VALVES SHALL BE USED FOR 10-INCH MAINS AND SMALLER. BUTTERFLY VALVES SHALL BE USED FOR MAINS GREATER THAN 10 INCHES.
16. PIPE FITTING FOR WATER MAINS SHALL BE DUCTILE IRON AND SHALL BE MECHANICAL JOINT CONFORMING TO AWWA SPECIFICATION C111-72.
17. WATER MAIN PIPE AND SERVICE CONNECTIONS SHALL BE A MINIMUM OF 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES.
18. WHERE A WATER MAIN CROSSES THE NORTHWEST GAS PIPELINE, THE WATER LINE SHALL BE CASED WITH PVC PIPE A MINIMUM OF 10 FEET BEYOND EACH SIDE OF THE GAS LINE EASEMENT. CONTACT WILLIAMS NORTHWEST PIPELINE BEFORE THE CROSSING IS MADE.
19. TRENCHING, BEDDING, AND BACKFILL FOR WATER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD DETAIL 06.01.01.
20. ALL COMMERCIAL AND INDUSTRIAL DEVELOPMENTS, IRRIGATION SYSTEMS, AND MULTI-FAMILY WATER SERVICE CONNECTIONS SHALL BE PROTECTED BY A DOUBLE CHECK VALVE ASSEMBLY OR A REDUCED PRESSURE BACKFLOW ASSEMBLY AS DIRECTED BY THE CITY (OR FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR) CONFORMING TO CITY STANDARD DETAILS 03.04.01, 03.04.02, AND 03.04.03.
21. ANY LEAD JOINT FITTING DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH A MECHANICAL JOINT FITTING AT THE CONTRACTOR'S EXPENSE.
22. HYDRAULIC FIRE FLOW MODELING SHALL BE REQUIRED FOR FORMAL PLATS WITHIN OR TO BE ANNEXED INTO THE CITY OF PUYALLUP'S WATER SERVICE AREA. THE DEVELOPER SHALL BE RESPONSIBLE TO APPLY FOR A HYDRAULIC MODEL PERMIT PRIOR TO PLAT REVIEW. THE HYDRAULIC MODELING CRITERIA IS BASED ON THE PROJECTED WATER DEMAND WHILE MAINTAINING A MINIMUM SYSTEM PRESSURE OF 20 POUNDS PER SQUARE INCH (PSI) AND A MAXIMUM VELOCITY OF 10 FEET PER SECOND.
23. WHEN USING A FIRE HYDRANT FOR NON-FIREFIGHTING PURPOSES, A CITY HYDRANT METER MUST BE USED. COORDINATE THE ACQUISITION OF THE HYDRANT METER WITH THE CITY'S UTILITY BILLING DIVISION AT PUYALLUP CITY HALL. A CITY APPROVED BACKFLOW PROTECTION ASSEMBLY SHALL BE INSTALLED BY THE PERSON REQUESTING USE OF A FIRE HYDRANT. THE ASSEMBLY SHALL BE ACCOMPANIED BY A CURRENT BACKFLOW ASSEMBLY TEST REPORT. THE TEST REPORT SHALL BE AVAILABLE AT THE SITE FOR THE DURATION OF THE HYDRANT USE.
24. SHOULD A BREAK OCCUR ON ANY CITY WATER MAIN, THE CONTRACTOR SHALL FOLLOW THE CITY'S ADOPTED "WATER MAIN BREAK PROCEDURE" ISSUED TO THEM AT THE PRE-CONSTRUCTION MEETING AND NOTIFY THOSE CONNECTED TO THE SYSTEM IN THE IMPACTED AREA AS OUTLINED IN THE PROCEDURE.
25. WATER MAIN REPAIRS (REFERENCES: AWWA C651-14 AND WSDOT STANDARD SPECIFICATION SECTION 7-09)(NOTE: A PLANNED WATER MAIN REPAIR SHALL BE APPROVED BY THE CITY INSPECTOR AND/OR WATER DIVISION SUPERVISOR PRIOR TO COMMENCING WORK.)

25.1. REPAIR WITHOUT DEPRESSURIZATION - SMALL LEAKS SHALL BE REPAIRED USING REPAIR BANDS WHILE MAINTAINING POSITIVE PRESSURE IN THE WATER MAIN. VALVES SURROUNDING THE LEAK WILL BE PARTIALLY SHUT BY THE CITY WATER DEPARTMENT TO REDUCE THE FLOW AND PRESSURE TO THE AREA. BLOWOFFS AND HYDRANTS IN THE REDUCED PRESSURE AREA MAY BE OPENED AS NEEDED TO FURTHER REDUCE THE PRESSURE. THE WATER MAIN TRENCH SHALL BE OVER-EXCAVATED TO ALLOW WATER IN THE TRENCH TO BE PUMPED OUT AND MAINTAINED BELOW THE LEVEL OF THE WATER MAIN. THE REPAIR SHALL BE COMPLETED WITH THE WATER MAIN PRESSURE REMAINING POSITIVE. AFTER THE REPAIR IS MADE, THE SYSTEM SHALL BE FULLY PRESSURIZED AND A VISUAL LEAK INSPECTION WILL BE COMPLETED. THE WATER MAIN IN THE AFFECTED AREA SHALL BE FLUSHED TO ACHIEVE THREE PIPE VOLUMES PULLED FROM THE PIPE (DISTANCE MEASURED FROM VALVE OPENED FOR FLUSHING TO THE EXIT HYDRANT OR BLOWOFF).

25.2. REPAIR/CUT-IN WITH DEPRESSURIZATION - TRENCH SHALL BE OVER EXCAVATED AND DEWATERED BELOW THE WATER MAIN. FLUSH WATER FROM PIPE FROM EACH DIRECTION UNTIL IT RUNS CLEAR. IMMEDIATELY PRIOR TO INSTALLATION OF A NEW PIPE SECTION FOR REPAIR OR CUT IN TEE, ALL NEW FITTINGS AND PIPE SPOOLS SHALL BE SWABBED WITH A FIVE PERCENT (5%) CHLORINE SOLUTION (MINIMUM). THE INTERIOR OF THE EXISTING PIPE SHALL BE SWABBED WITH A FIVE PERCENT (5%) CHLORINE SOLUTION AT LEAST 6 FEET IN EACH DIRECTION FROM EXPOSED CUT ENDS. THE WATER MAIN IN THE AFFECTED AREA SHALL BE FLUSHED TO ACHIEVE THREE PIPE VOLUMES PULLED FROM THE PIPE (DISTANCE MEASURED FROM THE VALVE OPENED FOR FLUSHING TO THE EXIT HYDRANT OR BLOWOFF). CUSTOMERS SHALL BE NOTIFIED AFTER THE WATER MAIN IS FLUSHED AND REPAIRS HAVE BEEN COMPLETED, AS OUTLINED IN THE "WATER MAIN BREAK PROCEDURE."

26. NEW WATER MAIN INSTALLATION:

26.1. EACH NEW WATER MAIN SECTION SHALL BE DELIVERED, STACKED AND STORED ONSITE WITH ENDS PLUGGED. THE PLUGS SHALL REMAIN IN THE PIPE UNTIL EACH PARTICULAR SECTION IS INSTALLED. NATIONAL SANITATION FOUNDATION (NSF) APPROVED SIXTY-FIVE PERCENT (65%) CALCIUM HYPOCHLORITE SHALL BE ADDED TO THE UPSTREAM END OF EACH PIPE SECTION, AND AT EACH HYDRANT TEE IN THE AMOUNT GIVEN IN THE TABLE BELOW (OR PER APPROVED MANUFACTURER SPECIFICATIONS). THE MINIMUM AMOUNT OF CALCIUM HYPOCHLORITE ADDED SHOULD BE SUFFICIENT TO ACHIEVE A 50 MG/L CONCENTRATION WITHIN THE IMPACTED AREA.

26.2. NEW WATER MAINS SHALL BE FILLED USING AN APPROVED BACKFLOW PREVENTION ASSEMBLY. THE WATER MAIN SHALL BE FILLED FROM THE LOWER ELEVATION END SO THAT AS THE WATER MAIN IS FILLED, THE CHORINE IS CONTACTED, DISSOLVED AND SPREAD RELATIVELY UNIFORM THROUGH THE LENGTH OF THE NEW WATER MAIN. THE FILL RATE SHALL BE MINIMIZED SO THAT THE VELOCITY OF THE WATER IS LESS THAN 1 FT/SEC (SEE TABLE ABOVE). SUCCESSFUL PRESSURE TEST AND BACTERIOLOGICAL TESTS SHALL BE COMPLETED AND PROVIDED TO THE CITY PRIOR TO ANY NEW MATER MAIN CONNECTION TO THE EXISTING WATER SYSTEM.

26.3. THE CHLORINATED WATER WILL BE ALLOWED TO REMAIN IN CONTACT WITH THE NEW WATER MAIN SYSTEM FOR 24 TO 72 HOURS. AFTER 24 HOURS, WATER MAY BE ADDED TO THE WATER MAIN FOR THE PURPOSES OF PRESSURE TESTING. THE WATER IN THE MAIN USED FOR PRESSURE TESTING MUST REMAIN IN THE WATER MAIN UNTIL PRESSURE TEST IS COMPLETED. IF NECESSARY, LIQUID CHLORINE SHALL BE INJECTED INTO THE WATER MAIN WITH FILL WATER TO MAINTAIN A CONCENTRATION IN THE WATER MAIN ABOVE 50 MG/L. UNDER NO CIRCUMSTANCE SHALL "SUPER" CHLORINATED WATER BE ALLOWED TO SIT WITHIN A NEW WATER MAIN FOR MORE THAN 5 DAYS.

26.4. PRESSURE TESTING INCLUDES TESTING AGAINST NEW VALVES AND HYDRANTS. EACH VALVE SHALL BE TESTED BY CLOSING EACH IN TURN AND REDUCING THE PRESSURE BEYOND THE VALVE. THE PRESSURE ON THE BACK SIDE OF THE VALVE SHOULD NOT BE ELIMINATED. CARE MUST BE TAKEN THAT, DURING THIS PROCESS, POSITIVE PRESSURE REMAINS THROUGHOUT THE SYSTEM BEING TESTED AT ALL TIMES. ALL HYDRANT FOOT VALVES SHALL BE OPEN DURING PRESSURE TESTING SO THAT THE PRESSURE TEST IS AGAINST THE HYDRANT VALVE. PRESSURE TESTING WILL NOT BE ALLOWED AGAINST ANY EXISTING VALVES.

26.5. AFTER SUCCESSFUL PRESSURE TESTING, THE WATER MAIN SHALL BE THOROUGHLY FLUSHED TO REMOVE ALL "SUPER" CHLORINATED WATER FROM THE NEW WATER MAIN. FLUSHING OF NEW OR EXTENDED WATER MAINS SHALL BE CONDUCTED PER WSDOT SPECIFICATION 7-09.3(24)A WITH A MINIMUM VELOCITY DEVELOPED WITHIN THE PIPE WHILE FLUSHING OF 2.5 FEET PER SECOND (FPS). ALL FLUSHED WATER SHALL BE DECHLORINATED PRIOR TO DISPOSAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL CHLORINATED WATER FLUSHED FROM MAINS. THE CITY SHALL APPROVE THE DISPOSAL METHOD PRIOR TO IMPLEMENTATION IN THE FIELD. THE CONTRACTOR SHALL UTILIZE ONSITE DISPOSAL METHODS, IF AVAILABLE. DISPOSAL OF FLUSH WATER TO THE SANITARY SEWER SYSTEM SHALL NOT BE ALLOWED WITHOUT WRITTEN PERMISSION FROM THE WATER POLLUTION CONTROL PLANT (WPCP) SUPERVISOR. ANY PLANNED DISCHARGE TO A STORMWATER SYSTEM SHALL BE DECHLORINATED TO A CONCENTRATION OF 0.1 PPM OR LESS, PH ADJUSTED (IF NECESSARY) TO BE BETWEEN 6.5 AND 8.5, AND VOLUMETRICALLY AND VELOCITY CONTROLLED TO PREVENT ANY RESUSPENSION OF SEDIMENTS. THE CITY WILL REQUIRE INDEPENDENT TESTING THROUGHOUT THE WATER DISCHARGE PROCESS TO ENSURE COMPLIANCE OF THESE STANDARDS ARE MET.

26.6. SAMPLES FOR BACTERIOLOGICAL ANALYSIS SHALL BE COLLECTED AFTER FLUSHING AND AGAIN 24 HOURS AFTER THE FIRST SET OF SAMPLES.

26.7. ALL CLOSURE/FINAL CONNECTION FITTINGS SHALL BE SPRAYED CLEAN AND THEN SWABBED WITH A FIVE PERCENT (5%) CHLORINE SOLUTION IMMEDIATELY PRIOR TO INSTALLATION PER AWWA STANDARD C651. ADDITIONAL SAMPLES FOR BACTERIOLOGICAL ANALYSIS SHALL BE COLLECTED FROM THE IMMEDIATE VICINITY OF THE NEW OR REPLACED WATER MAIN AND ANALYZED AFTER THE FINAL CONNECTIONS ARE MADE. IF NECESSARY, ADDITIONAL FLUSHING SHALL BE CONDUCTED AND ADDITIONAL SAMPLES SHALL BE COLLECTED UNTIL SATISFACTORY RESULTS ARE OBTAINED.

CITY OF PUYALLUP STORMWATER NOTES

1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (253) 841-5568. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF PLANS AT THE MEETING.
2. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").
4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
5. ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE ENGINEERING SERVICES STAFF PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
6. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
7. ANY STRUCTURE AND/OR OBSTRUCTION WHICH REQUIRE REMOVAL OR RELOCATION RELATING TO THIS PROJECT, SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
8. DURING CONSTRUCTION, ALL EXISTING AND NEWLY INSTALLED DRAINAGE STRUCTURES SHALL BE PROTECTED FROM SEDIMENTS.
9. ALL STORM MANHOLES SHALL CONFORM TO CITY STANDARD DETAIL NO. 02.01.01. FLOW CONTROL MANHOLE/OIL WATER SEPARATOR SHALL CONFORM TO CITY STANDARD DETAIL NO. 02.01.06 AND 02.01.07.
10. MANHOLE RING AND COVER SHALL CONFORM TO CITY STANDARD DETAIL 06.01.02.
11. CATCH BASINS TYPE I SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.02 AND 02.01.03 AND SHALL BE USED ONLY FOR DEPTHS LESS THAN 5 FEET FROM TOP OF THE GRATE TO THE INVERT OF THE STORM PIPE.
12. CATCH BASINS TYPE II SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.04 AND SHALL BE USED FOR DEPTHS GREATER THAN 5 FEET FROM TOP OF THE GRATE TO THE INVERT OF THE STORM PIPE.
13. CAST IRON OR DUCTILE IRON FRAME AND GRATE SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.05. GRATE SHALL BE MARKED WITH "DRAINS TO STREAM". SOLID CATCH BASIN LIDS (SQUARE UNLESS NOTED AS ROUND) SHALL CONFORM TO WSDOT STANDARD PLAN B-30.20-04 (OLYMPIC FOUNDRY NO. SM60 OR EQUAL). VANED GRATES SHALL CONFORM TO WSDOT STANDARD PLAN B-30.30-03 (OLYMPIC FOUNDRY NO. SM60V OR EQUAL).
14. STORMWATER PIPE SHALL BE ONLY PVC, CONCRETE, DUCTILE IRON, OR DUAL WALLED POLYPROPYLENE PIPE.
   - 14.A. THE USE OF ANY OTHER TYPE SHALL BE REVIEWED AND APPROVED BY THE ENGINEERING SERVICES STAFF PRIOR TO INSTALLATION.
   - 14.B. PVC PIPE SHALL BE PER ASTM D3034, SDR 35 FOR PIPE SIZE 15-INCH AND SMALLER AND F679 FOR PIPE SIZES 18 TO 27 INCH. MINIMUM COVER ON PVC PIPE SHALL BE 3.0 FEET.
   - 14.C. CONCRETE PIPE SHALL CONFORM TO THE WSDOT STANDARD SPECIFICATIONS FOR CONCRETE UNDERDRAIN PIPE. MINIMUM COVER ON CONCRETE PIPE SHALL NOT LESS THAN 3.0 FEET.
   - 14.D. DUCTILE IRON PIPE SHALL BE CLASS 50, CONFORMING TO AWWA C151. MINIMUM COVER ON DUCTILE IRON PIPE SHALL BE 1.0 FOOT.
   - 14.E. POLYPROPYLENE PIPE (PP) SHALL BE DUAL WALLED, HAVE A SMOOTH INTERIOR AND EXTERIOR CORRUGATIONS AND MEET WSDOT 9-05.24(1). 12-INCH THROUGH 30-INCH PIPE SHALL MEET OR EXCEED ASTM F2736 AND AASHTO M330, TYPE S, OR TYPE D. 36-INCH THROUGH 60-INCH PIPE SHALL MEET OR EXCEED ASTM F2881 AND AASHTO M330, TYPE S, OR TYPE D. TESTING SHALL BE PER ASTM F1417. MINIMUM COVER OVER POLYPROPYLENE PIPE SHALL BE 3-FEET.
15. TRENCHING, BEDDING, AND BACKFILL FOR PIPE SHALL CONFORM TO CITY STANDARD DETAIL NO. 06.01.01.
16. STORM PIPE SHALL BE A MINIMUM OF 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES.
17. ALL STORM DRAIN MAINS SHALL BE TESTED AND INSPECTED FOR ACCEPTANCE AS OUTLINED IN SECTION 406 OF THE CITY OF PUYALLUP SANITARY SEWER SYSTEM STANDARDS.
18. ALL TEMPORARY SEDIMENTATION AND EROSION CONTROL MEASURES, AND PROTECTIVE MEASURES FOR CRITICAL AREAS AND SIGNIFICANT TREES SHALL BE INSTALLED PRIOR TO INITIATING ANY CONSTRUCTION ACTIVITIES.

PRCTI20250324 shall match approved civil permit PRCCP20250372

For Reference Only
See separate civil permit.
PRCCP20250372

CALL BEFORE YOU DIG:
1-800-424-5555 OR "811"

UTILITY CONFLICT NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 1-800-424-5555 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, LLC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

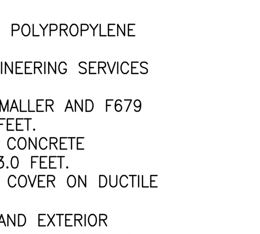
APPROVED
BY____________
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING
DATE____________

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.
THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.
FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.

No.	Date	By	Ckd.	Appr.	Revision

Title: GENERAL NOTES
FOR PUYALLUP PUBLIC
SAFETY BUILDING BENAROYA
TENANT IMPROVEMENT PERMIT/BID SET

For: MACKENZIE INC.
500 UNION STREET, SUITE 410
SEATTLE, WASHINGTON 98101



2/26/25

Scale: Horizontal N/A Vertical N/A

Designed KDM
Drawn KDM
Checked CMV
Approved CMV
Date 3/4/25

Barghausen Consulting Engineers, LLC.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222
barghausen.com

Job Number 23796
Sheet C2 of 9

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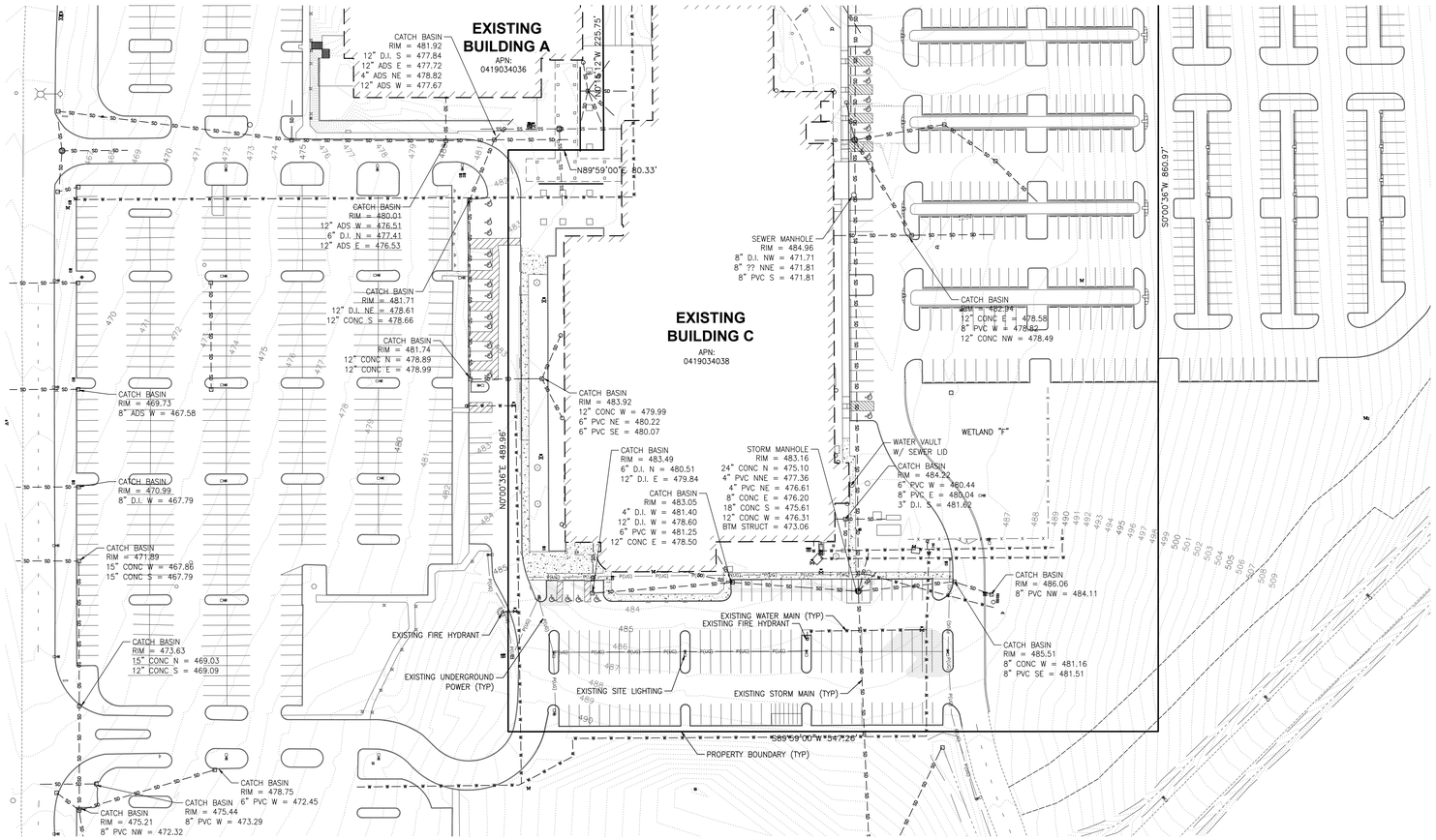
City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

EXISTING CONDITIONS
FOR

PUYALLUP PUBLIC SAFETY BUILDING

A PORTION OF THE NE 1/4, SE 1/4, NW 1/4 & SW 1/4, OF THE SE 1/4 OF SEC. 3,TWN. 19 N, RGE. 4 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON



PRCTI20250324 shall match approved civil permit PRCCP20250372

For Reference Only
See separate civil permit.
PRCCP20250372

CALL BEFORE YOU DIG: 1-800-424-5555 OR "811"

UTILITY CONFLICT NOTE:

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APPROVED

BY_____
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING

DATE_____

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.
THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.
FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.

No.	Date	By	Chkd.	Appr.	Revision

Title: EXISTING CONDITIONS FOR PUYALLUP PUBLIC SAFETY BUILDING BENAROYA TENANT IMPROVEMENT PERMIT/BID SET

For: MACKENZIE INC.
500 UNION STREET, SUITE 410
SEATTLE, WASHINGTON 98101

CARA VISINTAINER
STATE OF WASHINGTON
22841
REGISTERED PROFESSIONAL ENGINEER
2/26/25

Scale: Horizontal 1" = 50' Vertical N/A

Designed KDM Drawn KDM Checked CMV Approved CMV Date 3/4/25

Barghausen Consulting Engineers, LLC.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 **barghausen.com**

Job Number 23796

Sheet C3 of 9

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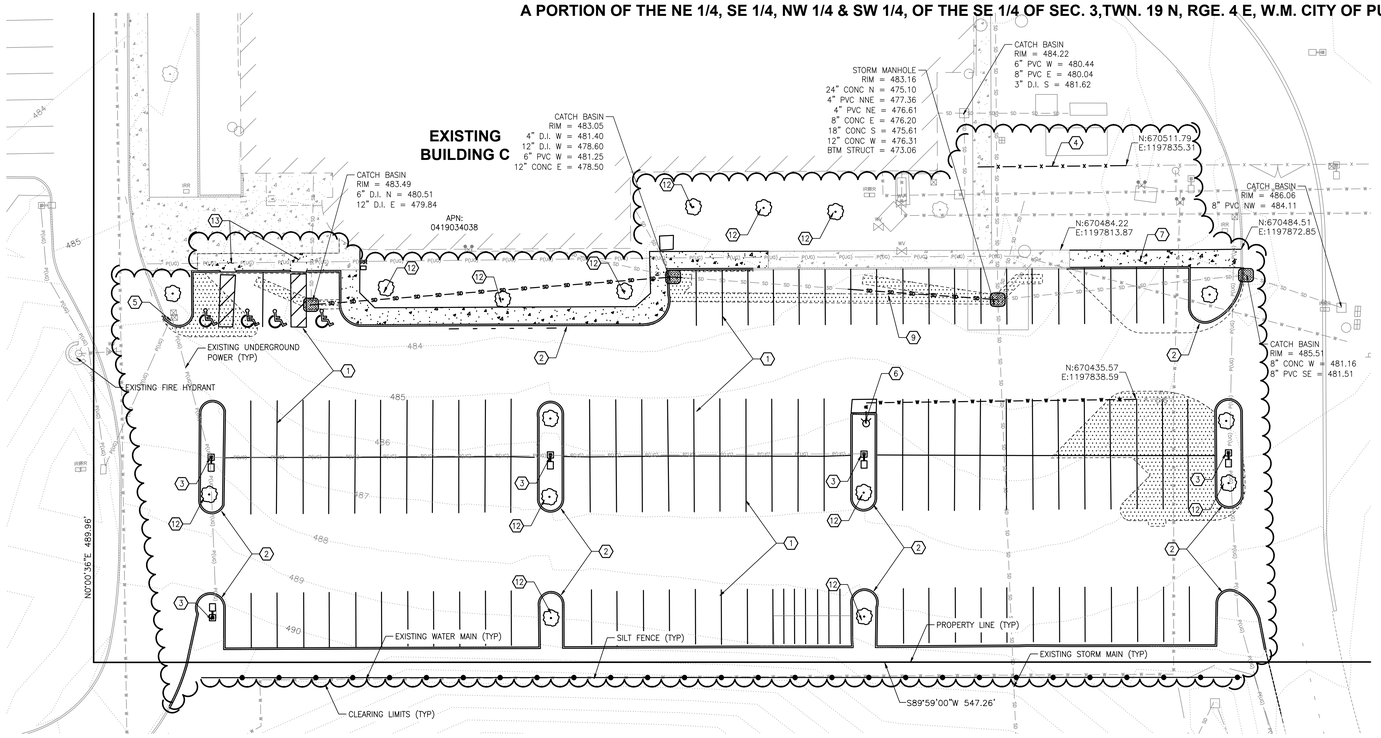
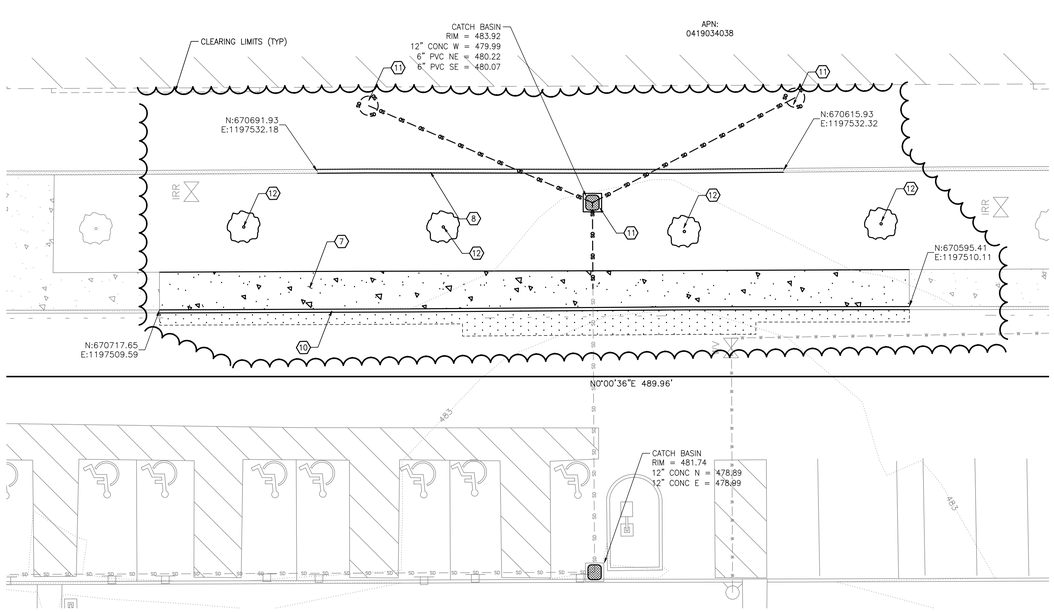
City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

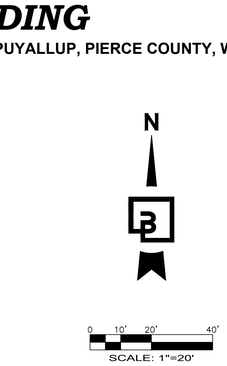
TESC & DEMOLITION PLAN
FOR
PUYALLUP PUBLIC SAFETY BUILDING
A PORTION OF THE NE 1/4, SE 1/4, NW 1/4 & SW 1/4, OF THE SE 1/4 OF SEC. 3,TWN. 19 N, RGE. 4 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

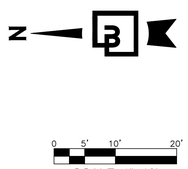


PPSB SOUTH PARKING LOT
SCALE: 1" = 20'



PPSB FRONT ENTRANCE
SCALE: 1" = 10'





EROSION CONTROL NOTE
ALL EROSION CONTROL BMPS SHALL COMPLY WITH THE CITY OF PUYALLUP STANDARD DETAILS AND THE 2019 WASHINGTON STATE DEPARTMENT OF ECOLOGY WESTERN WASHINGTON STORMWATER MANUAL. THE PROTECTION FOR THE SLOPES SHALL BE INSTALLED AS SOON AS PRACTICABLE AND PRIOR TO CALLING FOR FINAL APPROVAL AREAS ADJACENT TO THIS PROJECT ARE CURRENTLY UNDER CONSTRUCTION OR PLANNED FOR CONSTRUCTION IN THE NEAR FUTURE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING SITE CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

DUST CONTROL NOTES
1. THE CONTRACTOR SHALL MINIMIZE THE PERIOD OF SOIL EXPOSURE THROUGH THE USE OF TEMPORARY GROUND COVER AND OTHER TEMPORARY STABILIZATION PRACTICES SUCH AS SEEDING, MULCHING, OR EROSION BLANKETS.
2. DURING CONSTRUCTION IN THE DRY SEASON, SPRINKLE THE SITE WITH WATER UNTIL THE SURFACE AREA IS WET. REPEAT THE PROCESS AS NEEDED DURING WORK.
3. ALL TRUCKS TRANSPORTING FINE MATERIAL TO THE PROJECT SITE MUST BE COVERED TO PREVENT DUST FROM BLOWING FROM THE TRUCKS.

CLEARING NOTES
1. SCHEDULE AND LIMIT REMOVAL OF EXISTING VEGETATION AND GROUND COVER TO THE MINIMUM EXTENT FEASIBLE WITHIN THE ACTIVE WORK AREA.
2. ALL TOPSOIL (IF FOUND) SHALL REMAIN ON-SITE AND BE UTILIZED FOR SITE RESTORATION FOLLOWING COMPLETION OF GRADING ACTIVITIES.
3. THE GEOTECHNICAL ENGINEER SHALL BE ON-SITE DURING ALL STRIPPING AND GRUBBING OPERATIONS TO VERIFY CONDITION OF THE SUBGRADE SOILS AND REMOVAL OF ALL ORGANIC MATERIAL, STUBS, UNCONTROLLED FILL, ECT.
4. THE GEOTECHNICAL ENGINEER SHALL OBSERVE AND TEST FILL MATERIAL AS REQUIRED TO CERTIFY THE COMPLETED FILLS.

TESC LEGEND
LIMITS OF CLEARING

SILT FENCE PER CITY OF PUYALLUP STANDARD DWG 02.03.02 ON SHEET C5

CATCH BASIN INLET PROTECTION PER CITY OF PUYALLUP STANDARD DWG 02.03.05 AND 02.03.06 ON SHEET C5

GENERAL DEMOLITION NOTES
1. CONTRACTOR SHALL ASSURE THAT ALL NECESSARY PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING WORK, INCLUDING DEMOLITION AND ANY SEWER CAPPING PERMITS. FIRE PROTECTION DEMOLITION PERMIT, IF REQUIRED, IS ISSUED BY FIRE DEPARTMENT. SEPARATE PERMITS ARE REQUIRED FOR EACH BUILDING AS WELL AS SEPARATE SEWER CAPPING PERMIT.
2. ANY HAZARDOUS SUBSTANCES AND/OR MATERIALS ENCOUNTERED SHALL BE HANDLED AND DISPOSED OF BY QUALIFIED PERSONNEL ACCORDING TO COUNTY, STATE AND FEDERAL REGULATIONS.
3. ANY ENCOUNTERED UNDERGROUND TANKS, VAULTS, ETC., SHALL BE REMOVED PER COUNTY/STATE REGULATIONS. CRAWL SPACES, TUNNELS, TANK HOLES, ETC., SHALL BE BACKFILLED AND COMPACTED PER GEOTECHNICAL ENGINEERS RECOMMENDATIONS.
4. CONTRACTOR SHALL CONFIRM AND VERIFY WORK SCOPE ITEMS TO DEMOLISH WITH THE OWNERS AUTHORIZED REPRESENTATIVE.

DEMOLITION KEYNOTES
1. PARKING LOT STRIPING TO BE GROUND DOWN/REMOVED
2. EXISTING LANDSCAPE ISLANDS TO BE REMOVED
3. EXISTING SITE LIGHTING TO BE REMOVED
4. PORTION OF EXISTING FENCE TO BE REMOVED. REFER TO SHEET C6 FOR REPLACEMENT.
5. EXISTING ELECTRICAL CONDUIT AND PULL BOXES TO BE ADJUSTED TO FINISHED GRADE.
6. EXISTING HYDRANT TO BE RELOCATED. CONTRACTOR TO ISOLATE LINE, REMOVE EXISTING LINE DEPICTED AS DEMO, REFER TO SHEET C7 FOR RELOCATION. EXISTING VALVE TO BE ADJUSTED TO FINISHED GRADE
7. EXISTING WALK TO BE REMOVED
8. EXISTING RETAINING WALL TO BE REMOVED. REFER TO LANDSCAPE LAYOUT L1.20 FOR LOCATION OF WALL DEMO.
9. EXISTING STORM MAIN TO BE CUT AND ABANDONED IN PLACE. CONTRACTOR TO FILL ABANDONED PIPE WITH CDF. PATCH CATCH BASIN INVERTS.
10. EXISTING VERTICAL CURB TO BE REMOVED WITHIN THE LIMITS SHOWN.
11. EXISTING CATCH BASIN, STORM DRAIN LINE AND CLEAN OUTS TO BE REMOVED WITHIN THE LIMITS SHOWN.
12. EXISTING LANDSCAPING TO BE REMOVED
13. EXISTING BARRIER FREE PARKING STRIPING TO BE GROUND DOWN/REMOVED. EXISTING RAMPS AND SIGNAGE TO BE REMOVED.

WET SEASON NOTES
THE FOLLOWING BMPS SHALL APPLY TO ALL GRADING AND CLEARING ACTIVITY PERFORMED BETWEEN OCTOBER 1 AND MARCH 31:

1. GRADING ACTIVITIES AND CONSTRUCTION SHALL BE TIMED AND CONDUCTED IN STAGES TO MINIMIZE SOIL EXPOSURE.
2. EXPOSED SOILS SHALL BE COVERED WITHIN 2 DAYS USING DAM MULCH, SOD, HOG FUEL, PLASTIC OR OTHER APPROVED PROTECTED COVER.
3. THE CONTRACTOR SHALL INSPECT AND MAINTAIN SEDIMENT CONTROL MEASURES DAILY.
   - 3.1. THE CONTRACTOR SHALL REPLACE AND DAMAGED BMPS AND UPGRADE MEASURES BASED ON WEATHER CONDITIONS.
   - 3.2. THE CONTRACTOR SHALL REMOVE SEDIMENT ACCUMULATION ONCE DEPTH EXCEEDS 6-INCHES.
4. INSTALL COIR LOG, ROCK OR STRAW BALE CHECK DAMS EVERY 100 FEET ON CENTER ALONG ALL DRAINAGE INTERCEPTOR DITCHES.
5. EROSION CONTROL MATERIALS ARE TO BE STOCKPILED ON SITE PRIOR TO ANY SITE ACTIVITIES.
6. DURING STORM EVENTS, NO ACTIVITY WILL OCCUR ON SITE, EXCEPT WORK ON EROSION CONTROL.

EROSION AND SEDIMENTATION CONTROL BMPS:

1. GRADING AND CONSTRUCTION SHALL BE TIMED AND CONDUCTED IN STAGES TO MINIMIZE SOIL EXPOSURE.
2. THE CONTRACTOR SHALL PREVENT THE TRANSPORT OF THE SEDIMENT ONTO PAVED SURFACES DURING CONSTRUCTION. IF SEDIMENT IS TRANSFERRED ONTO A PAVED SURFACE, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CLEAN IT IMMEDIATELY.
3. STOCKPILES ARE TO BE LOCATED IN A SAFE AREA AND ADEQUATE COVER WITHIN 24 HOURS TO PREVENT SOIL LOSSES.
4. THE CONTRACTOR SHALL MAINTAIN AND REPAIR AS NECESSARY ALL TEMPORARY AND PERMANENT EROSION CONTROL BMPS TO ASSURE CONTINUED PERFORMANCE.
5. ADDITIONAL COIR LOG, MULCH COVER, FILTER BARRIERS, AND/OR BALES MAY BE REQUIRED TO PREVENT/MINIMZE EROSION AND SEDIMENTATION DURING CONSTRUCTION.
6. AFTER EACH DAY OF ACTIVITY, ALL IMPACTED STREETS ARE TO BE SWEPT WITH A STREET SWEEPER.

PRCTI20250324 shall match approved civil permit PRCCP20250372

For Reference Only
See separate civil permit.
PRCCP20250372

CALL BEFORE YOU DIG: 1-800-424-5555 OR "811"

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APPROVED
BY_____
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING
DATE_____
NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.
THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.
FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.

No.	Date	By	Chd.	Appr.	Revision

Title: TESC & DEMOLITION PLAN
FOR PUYALLUP PUBLIC
SAFETY BUILDING BENAROYA
TENANT IMPROVEMENT PERMIT/BID SET

For: MACKENZIE INC.
500 UNION STREET, SUITE 410
SEATTLE, WASHINGTON 98101

CARA VISINTAINER
STATE OF WASHINGTON
CARA A. VISINTAINER
22841
REGISTERED PROFESSIONAL ENGINEER
2/26/25

Scale: Horizontal 1" = 50' Vertical N/A

Designed KDM | Drawn KDM | Checked CMV | Approved CMV | Date 3/4/25

Barghausen Consulting Engineers, LLC.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 23796 | Sheet C4 of 9

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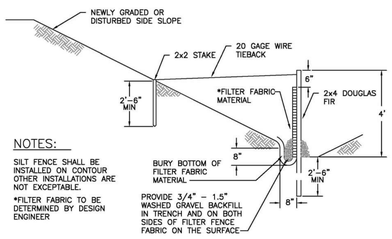
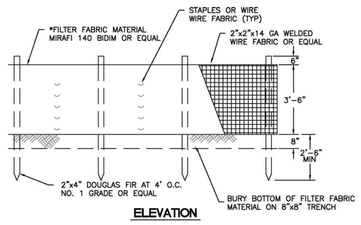
City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

TESC NOTES & DETAILS
FOR
PUYALLUP PUBLIC SAFETY BUILDING
A PORTION OF THE NE 1/4, SE 1/4, NW 1/4 & SW 1/4, OF THE SE 1/4 OF SEC. 3,TWN. 19 N, RGE. 4 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON



TYPICAL CROSS SECTION

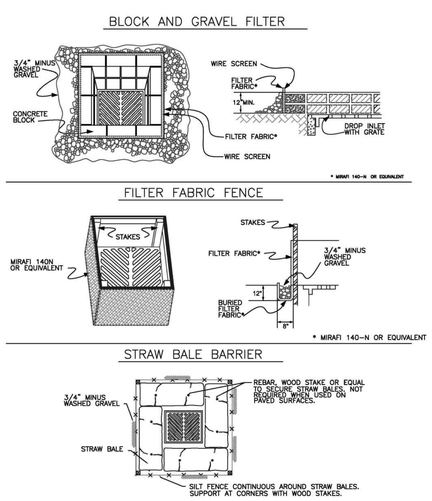


ELEVATION

CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

SILTATION FENCE

DRAWN BY	CHECKED BY	APPROVED BY	REVISED BY	CITY STANDARD
LINDA LANDING	LINDA LUAN	COLLEEN BAKKE	XXXX	02.03.02
FILE NAME: P:\DWGS\COMMON\STDDETS\CITY\2009\02_SDN03.03.02.DS	DATE APPROVED: 09/01/1992	DATE REVISED: 09/01/2005	SCALE: NTS	



CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

STORM DRAIN BARRIERS

DRAWN BY	CHECKED BY	APPROVED BY	REVISED BY	CITY STANDARD
LINDA LANDING	LINDA LUAN	COLLEEN BAKKE	XXXX	02.03.05
FILE NAME: P:\DWGS\COMMON\STDDETS\CITY\2009\02_SDN03.03.05	DATE APPROVED: 09/01/1992	DATE REVISED: 09/01/2005	SCALE: NTS	

CONDITIONS WHERE PRACTICE APPLIES

1. BLOCK AND GRAVEL FILTER – APPLICABLE FOR AREAS GREATER THAN 5% SLOPE.
2. FILTER FABRIC FENCE – APPLICABLE WHERE THE INLET DRAINS A RELATIVELY SMALL (ONE ACRE OR LESS) AND FLAT AREA (LESS THAN 5% SLOPE).
3. STRAW BALE BARRIER – APPLICABLE WHERE INLET DRAINS A RELATIVELY FLAT DISTURBED AREA (LESS THAN 5% SLOPE) IN WHICH SHEET FLOW (NOT EXCEEDING 0.5 FT/SEC.) OCCURES. BARRIERS OF THIS TYPE SHOULD NOT BE PLACED AROUND INLETS RECEIVING CONCENTRATED FLOWS SUCH AS THOSE ALONG MAJOR STREETS AND HIGHWAYS.

1. BLOCK AND GRAVEL FILTER – INSTALLATION PROCEDURE

A: PLACE WIRE MESH OVER THE DROP INLET SO THAT THE WIRE EXTENDS A MINIMUM OF ONE FOOT BEYOND EACH SIDE OF THE INLET STRUCTURE. USE WIRE SCREEN WITH 1/2–INCH OPENINGS. IF MORE THAN ONE STRIP OF MESH IS NECESSARY, OVERLAP THE STRIPS. PLACE FILTER FABRIC* OVER WIRE MESH.

B: PLACE CONCRETE BLOCKS LENGTHWISE ON THEIR SIDES IN A SINGLE ROW AROUND THE PERIMETER OF THE INLET, SO THAT THE OPEN ENDS FACE OUTWARD, NOT UPWARD. THE ENDS OF ADJACENT BLOCKS SHOULD ABUT. THE HEIGHT OF THE BARRIER CAN BE VARIED, DEPENDING ON DESIGN NEEDS, BY STACKING COMBINATIONS OF BLOCKS THAT ARE 4–INCH, 8–INCH AND 12–INCH WIDE. THE ROW OF BLOCKS SHOULD BE AT LEAST 12–INCHES BUT NO GREATER THAN 24–INCHES HIGH.

C: PLACE WIRE SCREEN OVER THE OVERSIDE VERTICAL FACE (OPEN END) OF THE CONCRETE BLOCKS TO PREVENT STONES FROM BEING WASHED THROUGH THE BLOCKS. USE WIRE SCREEN WITH 1/2–INCH OPENINGS.

D: PILE STONES AGAINST THE WIRE MESH TO THE TOP OF THE BLOCKS. USE 3/4" MINUS WASHED GRAVEL.

2. FILTER FABRIC FENCE – INSTALLATION PROCEDURE

A: PLACE 2–INCH BY 2–INCH WOODEN STAKES AROUND THE PERIMETER OF THE INLET A MAXIMUM OF 3 FEET APART AND DRIVE THEM AT LEAST 8–INCHES INTO THE GROUND. THE STAKES MUST BE AT LEAST 3 FEET LONG.

B: EXCAVATE A TRENCH APPROXIMATELY 8–INCHES WIDE AND 12–INCHES DEEP AROUND THE OUTSIDE PERIMETER OF THE STAKES.

C: STAPLE THE FILTER FABRIC* TO THE WOODEN STAKES SO THAT 32–INCHES OF THE FABRIC EXTENDS AND CAN BE FORMED INTO THE TRENCH, AND USE HEAVY–DUTY WIRE STAPLES AT LEAST 1/2–INCHES LONG.

D: BACKFILL THE TRENCH WITH 3/4–INCH MINUS WASHED GRAVEL ALL THE WAY AROUND.

3. STRAW BALE BARRIER – INSTALLATION PROCEDURE

A: EXCAVATE A 4–INCH DEEP TRENCH AROUND THE INLET. MAKE THE TRENCH AS WIDE AS A STRAW BALE.

B: ORIENT STRAW BALES WITH THE BINDINGS AROUND THE SIDES OF THE BALES RATHER THAN OVER AND UNDER THE BALES.

C: PLACE BALES LENGTHWISE AROUND THE INLET AND PRESS THE ENDS OF ADJACENT BALES SECURELY IN PLACE.

D: DRIVE TWO 2–INCH BY 2–INCH STAKES THROUGH EACH BALE TO ANCHOR THE BALE SECURELY IN PLACE.

E: BACKFILL THE EXCAVATED SOIL AND COMPACT IT AGAINST THE BALE.

F: WEDGE LOOSE STRAW BETWEEN BALES TO PREVENT WATER FROM FLOWING BETWEEN BALES.

* MIRAFI 140–N OR EQUIVALENT

CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

STORM DRAIN BARRIERS NOTES

DRAWN BY	CHECKED BY	APPROVED BY	REVISED BY	CITY STANDARD
LINDA LANDING	LINDA LUAN	COLLEEN BAKKE	XXXX	02.03.06
FILE NAME: P:\DWGS\COMMON\STDDETS\CITY\2009\02_SDN03.03.06	DATE APPROVED: 09/01/1992	DATE REVISED: 09/01/2005	SCALE: NTS	

1. ALL LIMITS OF CLEARING AND AREAS OF VEGETATION PRESERVATION AS PRESCRIBED ON THE PLANS SHALL BE CLEARLY FLAGGED IN THE FIELD AND OBSERVED DURING CONSTRUCTION.

2. ALL REQUIRED SEDIMENTATION AND EROSION CONTROL FACILITIES MUST BE CONSTRUCTED AND IN OPERATION PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE NATURAL DRAINAGE SYSTEM. THE CONTRACTOR SHALL SCHEDULE AN INSPECTION OF THE EROSION CONTROL FACILITIES PRIOR TO ANY LAND CLEARING AND/OR CONSTRUCTION. ALL EROSION AND SEDIMENT FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY CONDITION AS DETERMINED BY THE CITY, UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ON–SITE EROSION HAS PASSED. THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT, AND ADDITIONS TO THE EROSION AND SEDIMENTATION CONTROL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE PERMITEE.

3. THE EROSION AND SEDIMENTATION CONTROL SYSTEM FACILITIES DEPICTED ON THESE PLANS ARE INTENDED TO BE MINIMUM REQUIREMENTS TO MEET ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESSES AND UNEXPECTED OR SEASONAL CONDITIONS DICTATE, FACILITIES WILL BE NECESSARY TO ENSURE COMPLETE SILTATION CONTROL ON THE SITE. DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE PERMITEE TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE THE MINIMUM REQUIREMENTS, AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES, SENSITIVE AREAS, NATURAL WATER COURSES, AND/OR STORM DRAINAGE SYSTEMS.

4. APPROVAL OF THESE PLANS IS FOR GRADING, TEMPORARY DRAINAGE, EROSION AND SEDIMENTATION CONTROL ONLY. IT DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT STORM DRAINAGE DESIGN, SIZE OR LOCATION OF PIPES, RESTRICTORS, CHANNELS, OR RETENTION FACILITIES.

5. ANY DISTURBED AREA WHICH HAS BEEN STRIPPED OF VEGETATION AND WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF 30 DAYS OR MORE, MUST BE IMMEDIATELY STABILIZED WITH MULCHING, GRASS PLANTING, OR OTHER APPROVED EROSION CONTROL TREATMENT APPLICABLE TO THE TIME OF YEAR IN QUESTION. GRASS SEEDING ALONE WILL BE ACCEPTABLE ONLY DURING THE MONTHS OF APRIL THROUGH SEPTEMBER INCLUSIVE. SEEDING MAY PROCEED OUTSIDE THE SPECIFIED TIME PERIOD WHENEVER IT IS IN THE INTEREST OF THE PERMITEE BUT MUST BE AUGMENTED WITH MULCHING, NETTING, OR OTHER TREATMENT APPROVED BY THE CITY.

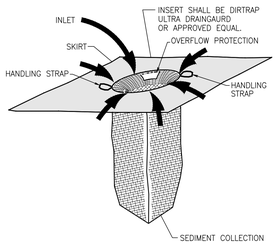
6. IN CASE EROSION OR SEDIMENTATION OCCURS TO ADJACENT PROPERTIES, ALL CONSTRUCTION WORK WITHIN THE DEVELOPMENT THAT WILL FURTHER AGGRAVATE THE SITUATION MUST CEASE, AND THE OWNER/CONTRACTOR WILL IMMEDIATELY COMMENCE RESTORATION METHODS. RESTORATION ACTIVITY WILL CONTINUE UNTIL SUCH TIME AS THE AFFECTED PROPERTY OWNER IS SATISFIED.

7. NO TEMPORARY OR PERMANENT STOCKPILING OF MATERIALS OR EQUIPMENT SHALL OCCUR WITHIN CRITICAL AREAS OR ASSOCIATED BUFFERS, OR THE CRITICAL ROOT ZONE FOR VEGETATION PROPOSED FOR RETENTION.

CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

GRADING, EROSION, AND SEDIMENTATION CONTROL NOTES

DRAWN BY	CHECKED BY	APPROVED BY	REVISED BY	CITY STANDARD
JIM BEWEN-WOBOSA	LINDA LUAN	COLLEEN BAKKE	LINDA LUAN	05.02.01
FILE NAME: P:\DWGS\COMMON\STDDETS\CITY\2009\05_GRDN05.01\05.01.DS	DATE APPROVED: 07/01/2009	DATE REVISED: 11/18/2014	SCALE: 1:1	



NOTES:

MATERIALS OF CONSTRUCTION

FABRIC:	NEEDLE PUNCHED NON–WOVEN GEOTEXTILE MATERIAL. FABRIC IS RESISTANT TO ULTRAVIOLET AND BIOLOGICAL DEGRADATION AND A BROAD RANGE OF CHEMICALS.
APPARENT OPENING SIZE (AOS):	80 US STANDARD SIEVE (0.180 MM)
GRAB TENSILE STRENGTH:	200 LBS
PUNCTURE STRENGTH:	130 LBS
MULLEN BURST:	400 PSI
TRAPEZOIDAL TEAR:	85 LBS
WATER FLOW RATE:	110 GPM/FT^2
PERMEABILITY:	0.38 CM/SECOND

DIMENSIONS

SKIRT:	24" X 36"
SOCK FILTER/SEPARATOR:	10" D X 24" L

DISPOSAL REQUIREMENTS

CONSULT FEDERAL, STATE, AND LOCAL REGULATIONS FOR DISPOSAL OF INSERTS

STANDARD SWPPP NOTES

1. ALL POLLUTANTS, INCLUDING WASTE MATERIALS, THAT OCCUR ONSITE SHALL BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER.
2. COVER, CONTAINMENT, AND PROTECTION FROM VANDALISM SHALL BE PROVIDED FOR ALL CHEMICALS, LIQUID PRODUCTS, PETROLEUM PRODUCTS, AND NON–INERT WASTES PRESENT ON THE SITE (SEE CHAPTER 173–304 WAC FOR THE DEFINITION OF INERT WASTE). ONSITE FUELING TANKS SHALL INCLUDE SECONDARY CONTAINMENT.
3. MAINTENANCE AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM DRAIN DOWN, SOLVENT AND DE–GREASING CLEANING OPERATIONS, FUEL TANK DRAIN DOWN AND REMOVAL, AND OTHER ACTIVITIES WHICH MAY RESULT IN DISCHARGE OR SPILLAGE OF POLLUTANTS TO THE GROUND OR INTO STORMWATER RUNOFF MUST BE CONDUCTED USING SPILL PREVENTION MEASURES, SUCH AS DRIP PANS. CONTAMINATED SURFACES SHALL BE CLEANED IMMEDIATELY FOLLOWING ANY DISCHARGE OR SPILL INCIDENT. EMERGENCY REPAIRS MAY BE PERFORMED ONSITE USING TEMPORARY PLASTIC PLACED BENEATH AND, IF RAINING, OVER THE VEHICLE.
4. MEASURES SHALL BE USED TO PREVENT OR TREAT CONTAMINATION OF STORMWATER RUNOFF BY PH MODIFYING SOURCES. THESE SOURCES INCLUDE, BUT ARE NOT LIMITED TO, BULK CEMENT, CEMENT KILN DUST, FLY ASH, NEW CONCRETE WASHING AND CURING WATERS, WASTE STREAMS GENERATED FROM CONCRETE GRINDING AND SAWING, EXPOSED AGGREGATE PROCESSES, AND CONCRETE PUMPING AND MIXER WASHOUT WATERS. STORMWATER DISCHARGES SHALL NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF THE WATER QUALITY STANDARD FOR PH IN THE RECEIVING WATER.

CITY OF PUYALLUP GRADING EROSION AND SEDIMENTATION CONTROL NOTES

1. ALL WORK IN CITY RIGHT–OF–WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (253) 841–5568. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF PLANS AT THE MEETING.
2. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HERINAFTER REFERRED TO AS THE "CITY STANDARDS").
4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
5. ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE CITY ENGINEER PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
6. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS HOURS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
7. ALL LIMITS OF CLEARING AND AREAS OF VEGETATION PRESERVATION AS PRESCRIBED ON THE PLANS SHALL BE CLEARLY FLAGGED IN THE FIELD AND OBSERVED DURING CONSTRUCTION.
8. ALL REQUIRED SEDIMENTATION AND EROSION CONTROL FACILITIES MUST BE CONSTRUCTED AND IN OPERATION PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE NATURAL DRAINAGE SYSTEM. THE CONTRACTOR SHALL SCHEDULE AN INSPECTION OF THE EROSION CONTROL FACILITIES PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION. ALL EROSION AND SEDIMENT FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY CONDITION AS DETERMINED BY THE CITY, UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ON–SITE EROSION HAS PASSED. THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT, AND ADDITIONS TO THE EROSION AND SEDIMENTATION CONTROL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE PERMITTEE.
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12. IN CASE EROSION OR SEDIMENTATION OCCURS TO ADJACENT PROPERTIES, ALL CONSTRUCTION WORK WITHIN THE DEVELOPMENT THAT WILL FURTHER AGGRAVATE THE SITUATION MUST CEASE, AND THE OWNER/CONTRACTOR WILL IMMEDIATELY COMMENCE RESTORATION METHODS. RESTORATION ACTIVITY WILL CONTINUE UNTIL SUCH TIME AS THE AFFECTED PROPERTY OWNER IS SATISFIED.
13. NO TEMPORARY OR PERMANENT STOCKPILING OF MATERIALS OR EQUIPMENT SHALL OCCUR WITHIN CRITICAL AREAS OR ASSOCIATED BUFFERS, OR THE CRITICAL ROOT ZONE FOR VEGETATION PROPOSED FOR RETENTION.

PRCTI20250324 shall match approved civil permit PRCCP20250372

For Reference Only
See separate civil permit.
PRCCP20250372

APPROVED
BY_____
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING
DATE_____
NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.
THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.
FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.

CALL BEFORE YOU DIG:
1-800-424-5555 OR "811"

UTILITY CONFLICT NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 1–800–424–5555 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, LLC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

No.	Date	By	Chd.	Appr.	Revision

Title:
TESC NOTES & DETAILS
FOR PUYALLUP PUBLIC
SAFETY BUILDING BENAROYA
TENANT IMPROVEMENT PERMIT/BID SET

MACKENZIE INC.
500 UNION STREET, SUITE 410
SEATTLE, WASHINGTON 98101

For:

CASEY VISINTAINER
STATE OF WASHINGTON
42841
REGISTERED PROFESSIONAL ENGINEER
2/26/25

Scale: Horizontal N/A Vertical N/A

Designed KDM | Drawn KDM | Checked CMV | Approved CMV | Date 3/4/25

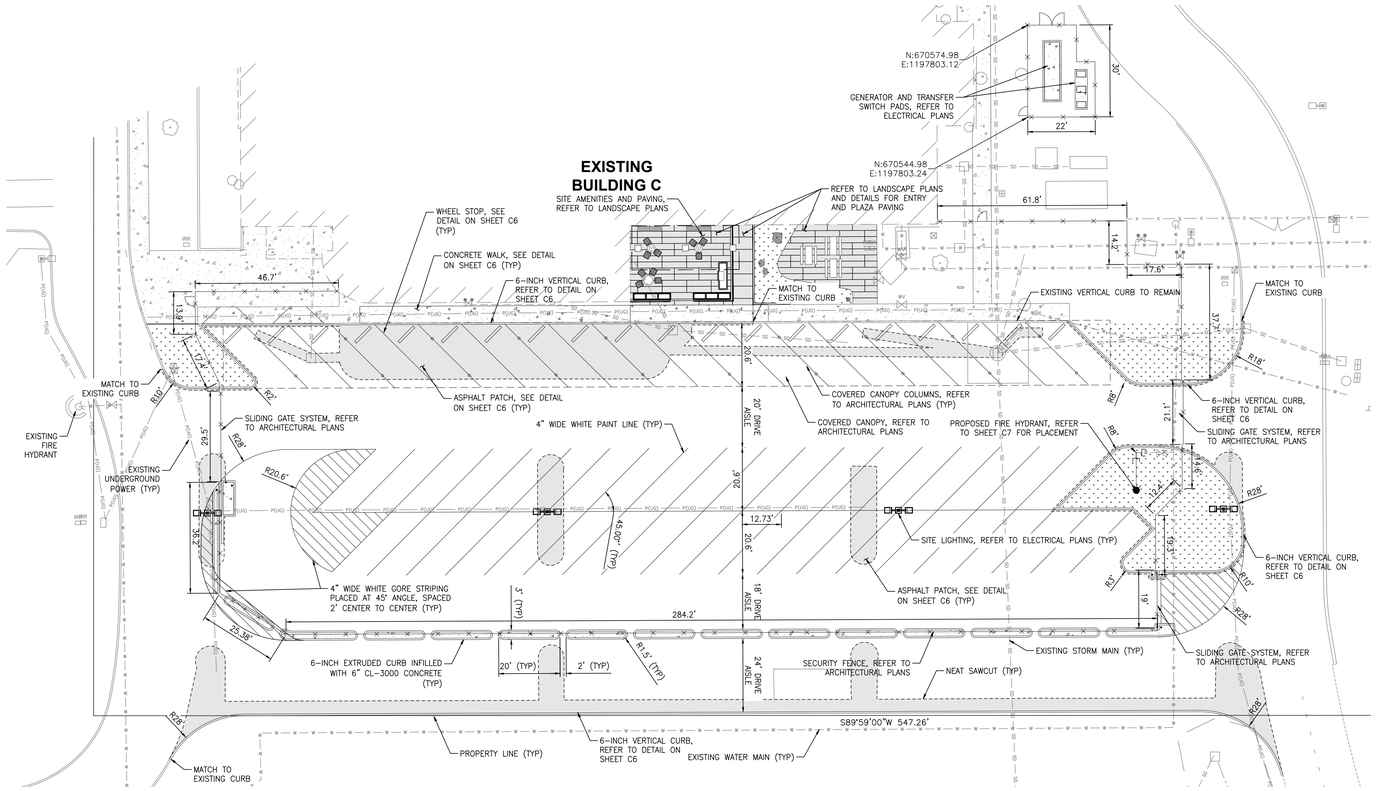
Barghausen Consulting Engineers, LLC.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222
barghausen.com

Job Number 23796
Sheet C5 of 9

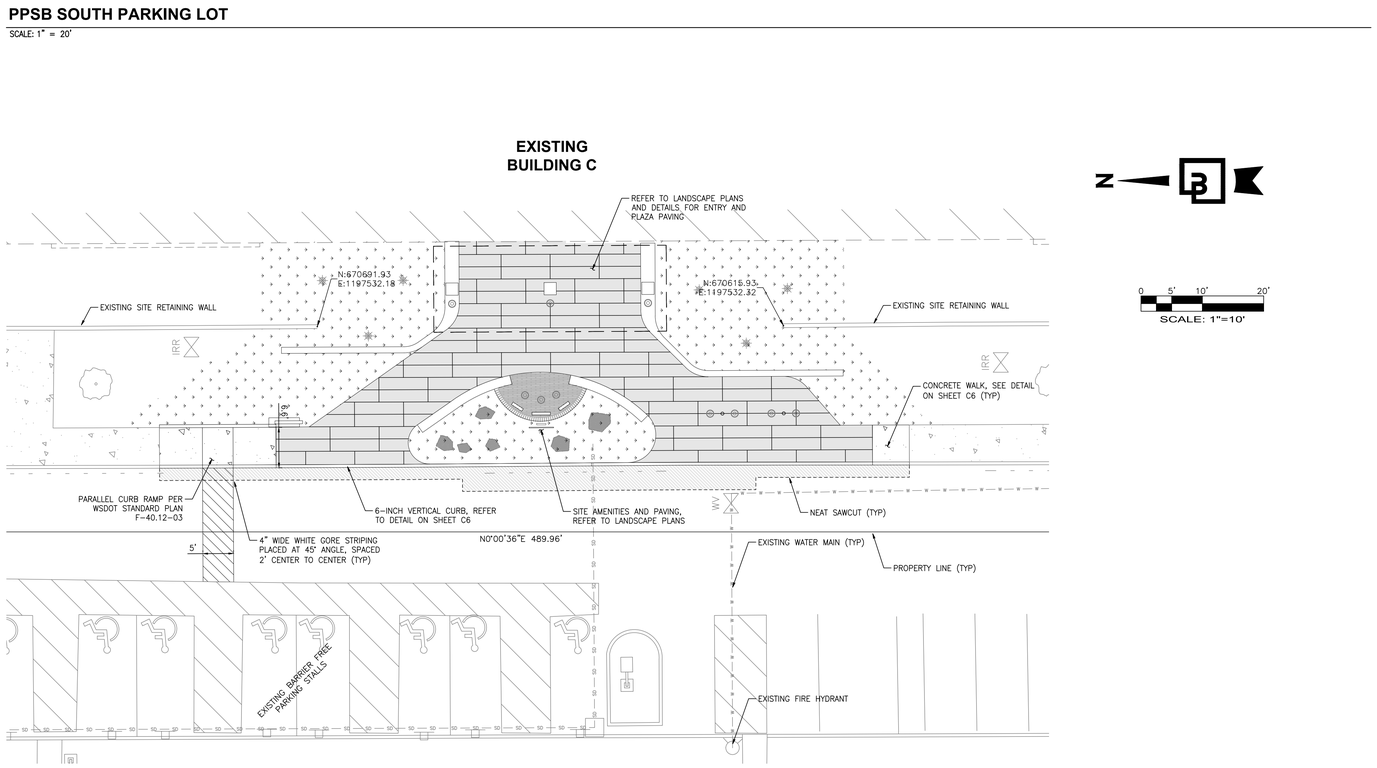
P:\23000s\23796\engineering\23796-en.dwg 2/26/2025 6:30 PM KMARSTEAD

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

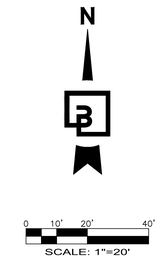
SITE PLAN
FOR
PUYALLUP PUBLIC SAFETY BUILDING
A PORTION OF THE NE 1/4, SE 1/4, NW 1/4 & SW 1/4, OF THE SE 1/4 OF SEC. 3,TWN. 19 N, RGE. 4 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

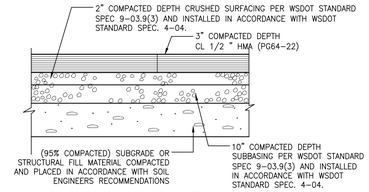


PPSB SOUTH PARKING LOT
SCALE: 1" = 20'



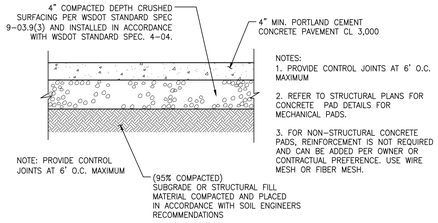
PPSB FRONT ENTRANCE
SCALE: 1" = 10'





1. TYPICAL ASPHALT SECTION IS FOR ON-SITE PAVEMENT ONLY AND NOT TO USED IN THE RIGHT OF WAY.
2. ASPHALT SECTION SHALL MATCH OR EXCEED EXISTING ASPHALT PAVING SECTION.

ASPHALT PAVEMENT SECTION DETAIL
SCALE: NOT TO SCALE



CONCRETE PAVEMENT SECTION DETAIL
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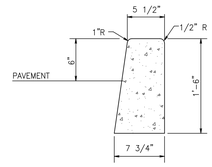
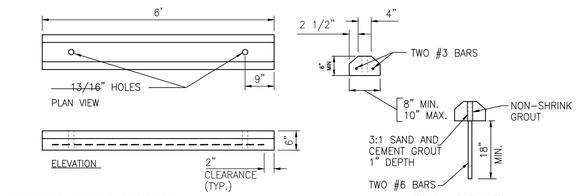


6" VERTICAL CURB DETAIL
SCALE: NOT TO SCALE

PRCTI20250324 shall match approved civil permit PRCCP20250372



WHEEL STOP DETAIL
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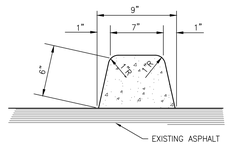

6" EXTRUDED CURB DETAIL
SCALE: NOT TO SCALE

For Reference Only
See separate civil permit.
PRCCP20250372

CALL BEFORE YOU DIG: 1-800-424-5555 OR "811"

UTILITY CONFLICT NOTE:
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APPROVED
BY_____
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING
DATE_____
NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.
THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.
FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.

No.	Date	By	Chd.	Appr.	Revision

Title: SITE PLAN
FOR PUYALLUP PUBLIC
SAFETY BUILDING BENAROYA
TENANT IMPROVEMENT PERMIT/BID SET

For: MACKENZIE INC.
500 UNION STREET, SUITE 410
SEATTLE, WASHINGTON 98101

CARA VISINTAINER — STATE OF WASHINGTON — 24284 — REGISTERED PROFESSIONAL ENGINEER
2/26/25

Scale: Horizontal 1" = 20' Vertical N/A

Designed KDM Drawn KDM Checked CMV Approved CMV Date 3/4/25

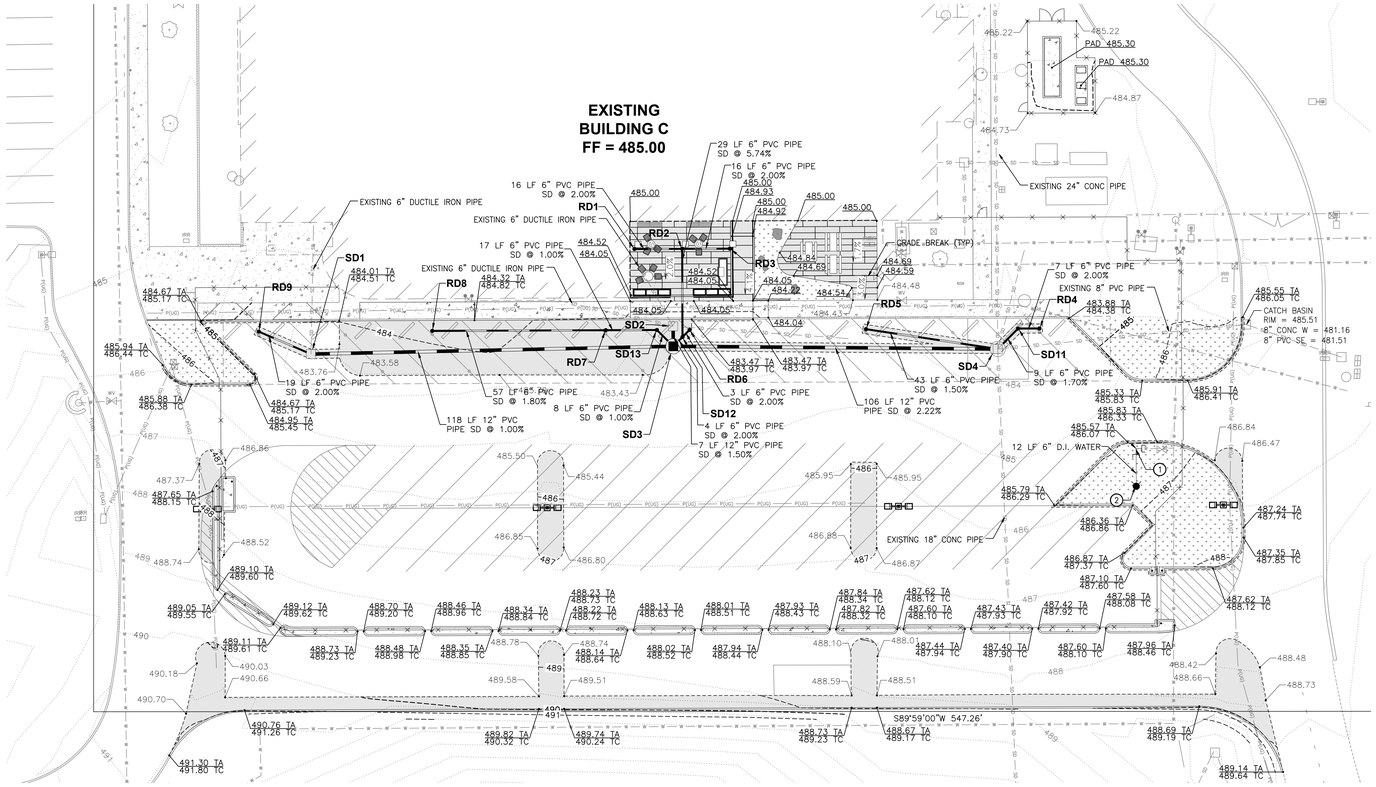
Barghausen Consulting Engineers, LLC.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 **barghausen.com**

Job Number 23796
Sheet C6 of 9

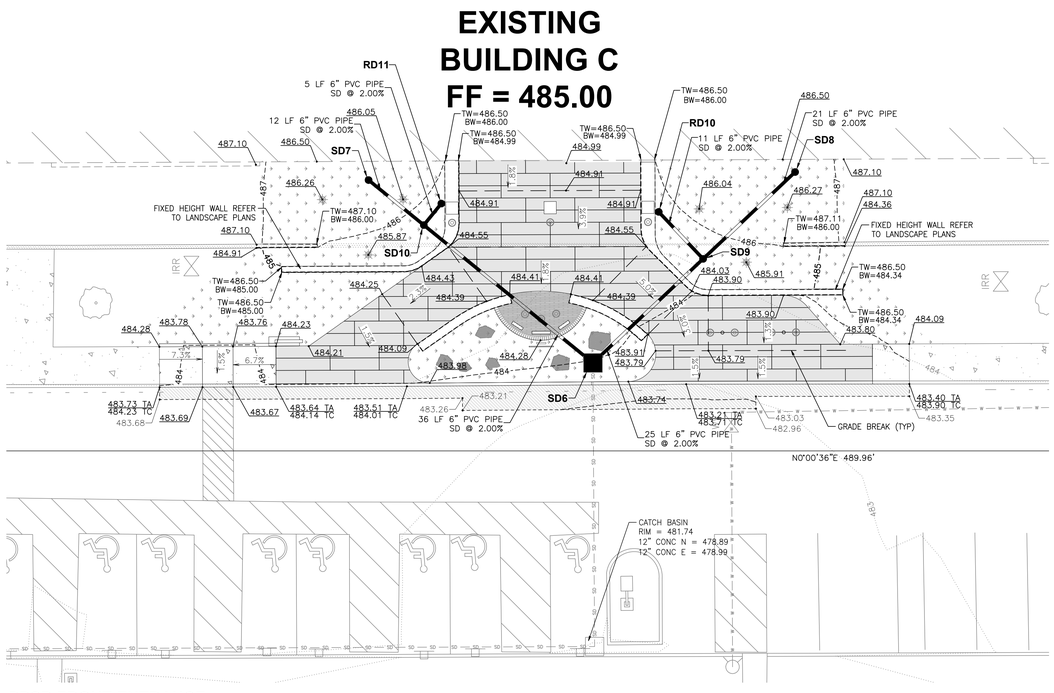
P:\23000s\23796\engineering\23796-a.dwg 2/26/2025 6:27 PM KMAPSTEAD

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

GRADING, DRAINAGE, & UTILITY PLAN
FOR
PUYALLUP PUBLIC SAFETY BUILDING
A PORTION OF THE NE 1/4, SE 1/4, NW 1/4 & SW 1/4, OF THE SE 1/4 OF SEC. 3,TWN. 19 N, RGE. 4 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON



PPSB SOUTH PARKING LOT
SCALE: 1" = 20'



PPSB FRONT ENTRANCE
SCALE: 1" = 10'

N

SCALE: 1"=20'

SCALE: 1"=10'

GRADING GENERAL NOTES

1. ALL GRADING AND PUBLIC IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF THE CURRENT CITY ORDINANCE AND STANDARD PLANS. THE GRADING AND IMPROVEMENTS ARE SUBJECT TO THE OBSERVATION OF THE PUBLIC WORKS DEPARTMENT.
2. ALL EXISTING UTILITY STRUCTURE LIDS THAT FALL WITHIN THE AREA OF WORK SHALL BE ADJUSTED TO FINISHED GRADE ELEVATIONS. THE CONTRACTOR SHALL CONFIRM THE FEASIBILITY OF ADJUSTING EXISTING UTILITY STRUCTURE LIDS TO FINISHED GRADE PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
3. ALL SPOT ELEVATIONS SHOWN ARE TO FINISHED SURFACE (TOP OF ASPHALT OR TOP OF CONCRETE PAVEMENT) UNLESS OTHERWISE NOTED.

TA – TOP OF ASPHALT
TC – TOP OF CURB
TW – TOP OF WALL
BW – BOTTOM OF WALL

WATER FITTING KEYNOTES

CONTRACTOR TO FIELD LOCATE AND VERIFY VERTICAL AND HORIZONTAL LOCATION OF EXISTING 6" WATER MAIN CONNECTION TO EXISTING

① N: 670435.57
E: 1197839.59
1–6" 90° BEND (MJ X MJ)
THRUST BLOCK PER COP STANDARD DETAIL 03.02.01
NOTIFY ENGINEER OF ANY DISCREPANCIES

② N: 670423.33
E: 1197838.64
1–HYDRANT ASSEMBLY PER COP STANDARD DETAIL 03.05.01

STORM STRUCTURES
RD1 6" SDCO N: 670500.68 E: 1197675.01 RIM=484.82 IE=482.30 (6" E)
RD2 6" SDCO N: 670500.74 E: 1197690.56 RIM=484.82 IE=481.99 (6" E) IE=481.99 (6" W) IE=481.99 (6" S)
RD3 6" SDCO N: 670500.80 E: 1197706.11 RIM=484.82 IE=482.30 (6" W)
RD4 6" SDCO N: 670474.77 E: 1197807.06 RIM=483.61 IE=481.12 (6" W)
RD5 6" SDCO N: 670474.55 E: 1197750.49 RIM=484.05 IE=481.47 (6" E)
RD6 6" SDCO N: 670474.31 E: 1197692.98 RIM=483.20 IE=480.41 (6" SW)
RD7 6" SDCO N: 670474.20 E: 1197665.64 RIM=483.57 IE=480.50 (6" W) IE=480.50 (6" E)
RD8 6" SDCO N: 670473.98 E: 1197609.07 RIM=484.12 IE=481.52 (6" E)
RD9 6" SDCO N: 670473.75 E: 1197552.50 RIM=484.40 IE=480.87 (6" SE)
RD10 6" SDCO N: 670636.27 E: 1197537.67 RIM=487.29 IE=480.70 (6" SW)
RD11 6" SDCO N: 670671.71 E: 1197539.03 RIM=487.36 IE=480.80 (6" NW)

STORM STRUCTURES
SD1 EXISTING CB TYPE 1 N: 670466.41 E: 1197569.54 RIM=483.49 IE=480.51 (6" N) IE=480.50 (6" NW) IE=479.84 (12" E)
SD2 EXISTING CB TYPE 1 N: 670475.48 E: 1197687.61 RIM=483.16 IE=479.10 (6" W) (EXISTING IE) IE=479.10 (6" NW)(EXISTING IE) IE=479.10 (12" S)(PROPOSED IE)
SD3 CB TYPE 2 – 48" SOLID COVER N: 670468.96 E: 1197687.67 RIM=483.19 IE=478.66 (12" W) IE=479.00 (12" N) IE=480.25 (6" NW) IE=480.25 (6" NE) IE=478.66 (12" E)
SD4 EXISTING CB TYPE 2 N: 670468.07 E: 1197793.46 RIM=483.16 IE=476.31 (12" W)(PROPOSED IE) IE=475.61 (18" S) (EXISTING IE) IE=476.20 (8" E) (EXISTING IE) IE=477.36 (4" N) (EXISTING IE) IE=476.61 (4" NE)(EXISTING IE) IE=480.82 (6" NE)(PROPOSED IE) IE=480.82 (6" W) (PROPOSED IE) IE=475.10 (24" N)(EXISTING IE)
SD5 EXISTING CB TYPE 1 N: 670476.07 E: 1197874.41 RIM=485.51 IE=481.16 (8" W)
SD6 CB TYPE 1 – 24" SOLID COVER N: 670647.00 E: 1197513.05 RIM=483.97 IE=480.00 (6" SE) (PROPOSED IE) IE=480.00 (6" NE) (PROPOSED IE) IE=479.76 (12" W) (EXISTING IE)
SD7 –RECONNECT EXISTING 6" SDCO YARD/ROOF DRAINS N: 670683.57 E: 1197542.87 RIM=487.49 IE=480.94 (6" SW)
SD8 –RECONNECT EXISTING 6" SDCO YARD/ROOF DRAINS N: 670614.03 E: 1197544.16 RIM=487.60 IE=480.91 (6" NW)
SD9 6" SDCO N: 670629.03 E: 1197530.01 RIM=484.03 IE=480.49 (6" SE) IE=480.49 (6" NE) IE=480.49 (6" NW)
SD10 6" SDCO N: 670674.57 E: 1197535.53 RIM=487.23 IE=480.71 (6" NE) IE=480.71 (6" SE) IE=480.71 (6" SW)
SD11 6" SDCO N: 670474.75 E: 1197800.08 RIM=483.38 IE=480.98 (6" E) IE=480.98 (6" SW)

STORM STRUCTURES
SD12 6" SDCO N: 670471.99 E: 1197690.67 RIM=483.19 IE=480.34 (6" NE) IE=480.34 (6" N) IE=480.34 (6" SW)
SD13 6" SDCO N: 670474.27 E: 1197682.32 RIM=483.36 IE=480.33 (6" W) IE=480.33 (6" SE)

PRCTI20250324 shall match approved civil permit PRCCP20250372

For Reference Only
See separate civil permit.
PRCCP20250372

CALL BEFORE YOU DIG: 1-800-424-5555 OR "811"

APPROVED
BY_____
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING
DATE_____
NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.
THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.
FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.

UTILITY CONFLICT NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 1–800–424–5555 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, LLC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

No.	Date	By	Chd.	Appr.	Revision

Title: GRADING, DRAINAGE, & UTILITY PLAN FOR PUYALLUP PUBLIC SAFETY BUILDING BENAROYA TENANT IMPROVEMENT PERMIT/BID SET

For: MACKENZIE INC.
500 UNION STREET, SUITE 410
SEATTLE, WASHINGTON 98101

CARA VISINTAINER
STATE OF WASHINGTON
CARA L. VISINTAINER
24284
REGISTERED PROFESSIONAL ENGINEER
2/26/25

Scale: Horizontal 1" = 20' Vertical N/A

Designed KDM | Drawn KDM | Checked CMV | Approved CMV | Date 3/4/25

Barghausen Consulting Engineers, LLC.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222
barghausen.com

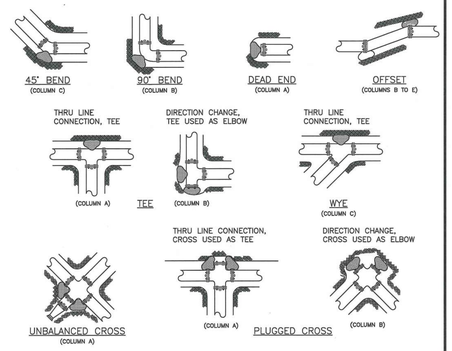
Job Number 23796 | Sheet C7 of 9

P:\23000s\23796\engineering\23796-gp.dwg 2/26/2025 6:26 PM KMAPSTEAD

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

UTILITY DETAILS
FOR
PUYALLUP PUBLIC SAFETY BUILDING
A PORTION OF THE NE 1/4, SE 1/4, NW 1/4 & SW 1/4, OF THE SE 1/4 OF SEC. 3,TWN. 19 N, RGE. 4 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

NOTE: DRAWINGS DEPICT BLOCK LOCATION, NOT SIZE.
FOR SIZE SEE NOTES 3, 4, 5, AND CITY STD. 03.02.01-3



NOTES:
1. THE FOLLOWING PRECAUTIONS MUST BE OBSERVED WHEN CONSTRUCTING THRUST BLOCKS:
   A. BLOCKS MUST BE POURED OR PLACED AGAINST UNDISTURBED SOIL.
   B. THE PIPE FITTING(S) AND BOLTS MUST BE ACCESSIBLE. WRAP IN PLASTIC BEFORE POURING CONCRETE BLOCKING.
   C. CONCRETE SHOULD BE CURED FOR AT LEAST 5 DAYS AND SHOULD HAVE A MINIMUM COMPRESSION STRENGTH OF 3,000 PSI AT 28 DAYS.
   D. RESTRAINED JOINTS SHALL BE INSTALLED, IN ADDITION TO CONCRETE THRUST BLOCKING.
   E. BLOCKS MUST BE POSITIONED TO COUNTERACT THE DIRECTION OF THE RESULTANT THRUST FORCE.
2. ALL PIPE SHALL BE PROPERLY BEDDED, SEE CITY OF PUYALLUP STANDARD BEDDING DETAIL NO. 06.01.01.
3. CONTRACTOR TO PROVIDE BLOCKING ADEQUATE TO WITHSTAND FULL TEST PRESSURE.
4. DIVIDE THRUST BY SAFE BEARING LOAD TO DETERMINE REQUIRED AREA (IN SQUARE FEET) OF CONCRETE TO DISTRIBUTE LOAD.
5. BEARING SURFACE AREAS TO BE ADJUSTED BY THE ENGINEER FOR OTHER PRESSURE AND/OR SOIL CONDITIONS.

CITY OF PUYALLUP OFFICE of THE CITY ENGINEER
APPROVED FOR PUBLICATION — DATE REVISED: 2/5/2015
HORIZONTAL THRUST BLOCKING
(NOT TO SCALE)
CITY STANDARD 03.02.01-1

TABLE 2: THRUST AT FITTINGS AT 200 PSI

SIZE	TEST PRESSURE (PSI)	THRUST FITTINGS AT 200 PSI				
		A	B	C	D	E
		TEE AND DEAD ENDS	90° BEND	45° BEND	22.5° BEND	11.25° BEND
4"	200	3,140	4,440	2,405	1,225	615
6"	200	7,070	9,995	5,410	2,760	1,385
8"	200	12,565	17,770	9,620	4,905	2,465
10"	200	19,635	27,770	15,030	7,660	3,850
12"	200	28,275	39,985	21,640	11,030	5,545
14"	200	38,485	54,425	29,455	15,015	7,545
16"	200	50,265	71,085	38,470	19,615	9,855

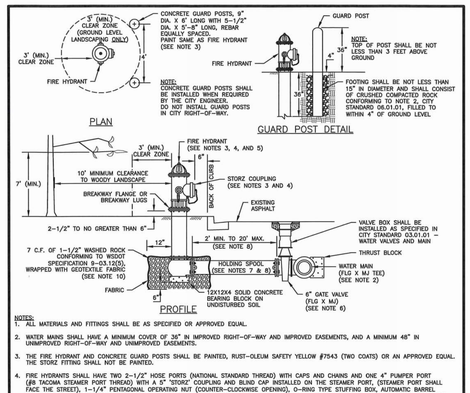
TABLE 3: BEARING VALUE OF SOIL

SOIL TYPE	SAFE BEARING LOAD LBS/SF
MUCK, PEAT, ETC.	0
SOFT CLAY/ALLUVIAL SOIL	1,000
SAND	2,000
SAND AND GRAVEL	3,000
SAND AND GRAVEL CEMENTED WITH CLAY	4,000
HARD SHALE	10,000

SEE CITY STANDARDS 03.02.01-1 AND 03.02.01-2 FOR ADDITIONAL INFORMATION.

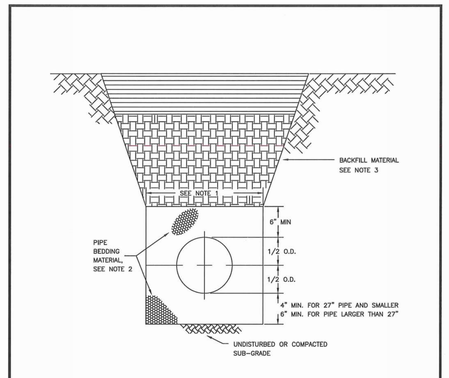
NOTES:
① TO DETERMINE THRUST AT PRESSURES OTHER THAN PSI SHOWN, MULTIPLY THE THRUST OBTAINED IN TABLE 2 BY THE RATIO OF THE PRESSURE TO 200 PSI.
EXAMPLE:
THE THRUST ON A 12 INCH, 90° BEND AT 300 PSI.
39,985 X 300 PSI / 200 PSI = 59,978 LBS
② TO DETERMINE THE BEARING AREA OF THE THRUST BLOCK IN SQUARE FEET (SF):
SEE TABLE 3, BEARING VALUE OF SOIL
EXAMPLE:
FOR SAND AND GRAVEL BEARING VALUE FROM TABLE 3 IS 3,000 LBS/SF
59,978 LBS ÷ 3000 LB/SF = 20 SF OF AREA
③ CONTRACTOR TO PROVIDE BLOCKING ADEQUATE TO WITHSTAND FULL TEST PRESSURE
④ AREAS SHALL BE ADJUSTED FOR OTHER PRESSURE CONDITIONS.
⑤ NO WATER MAIN SHALL DEAD END AGAINST A MAIN LINE VALVE. DEAD END WATER MAINS SHALL BE BLOCKED AGAINST A RESTRAINED MECHANICAL JOINT (M.J.) PLUG OR CAP.

CITY OF PUYALLUP OFFICE of THE CITY ENGINEER
APPROVED FOR PUBLICATION — DATE REVISED: 2/5/2018
THRUST BLOCKING TABLE
(NOT TO SCALE)
CITY STANDARD 03.02.01-3



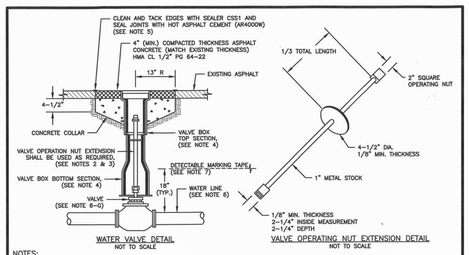
NOTES:
1. ALL MATERIALS AND FITTINGS SHALL BE AS SPECIFIED OR APPROVED EQUAL.
2. WATER MAINS SHALL HAVE A MINIMUM COVER OF 36" IN IMPROVED RIGHT-OF-WAY AND IMPROVED EASEMENTS, AND A MINIMUM 48" IN UNIMPROVED RIGHT-OF-WAY AND UNIMPROVED EASEMENTS.
3. THE FIRE HYDRANT AND CONCRETE GUARD POSTS SHALL BE PAINTED, RUST-OLEUM SAFETY YELLOW #7543 (TWO COATS) OR AN APPROVED EQUAL. THE STORZ FITTING SHALL NOT BE PAINTED.
4. FIRE HYDRANTS SHALL HAVE TWO 2-1/2" HOSE PORTS (NATIONAL STANDARD THREAD) WITH CAPS AND CHAINS AND ONE 4" PUMPER PORT (JB TACOMA STEAMER PORT THREAD) WITH A 5" "STORZ" COUPLING AND BLIND CAP INSTALLED ON THE STEAMER PORT, (STEAMER PORT SHALL FACE THE STREET), 1-1/4" PENTAGONAL OPERATING NUT (COUNTER-CLOCKWISE OPENING), O-RING TYPE STUFFING BOX, AUTOMATIC BARREL DRAINS AND 5-1/4" MAIN VALVE OPENING. HYDRANTS SHALL BE DESIGNED IN A MANNER THAT WILL PREVENT BARREL BREAKAGE WHEN STRUCK BY A VEHICLE. HYDRANTS SHALL CONFORM TO THE LATEST REVISION OF AWWA SPECIFICATIONS NO. C 502-73 FOR FIRE HYDRANTS FOR ORDINARY WATER SERVICE. FIRE HYDRANTS SHALL INCLUDE THE ENTIRE ASSEMBLY COMPLETE, INCLUDING HYDRANT, GATE VALVE AND BOX, CONNECTING PIPING, FITTINGS, AND ACCESSORIES.
5. FIRE HYDRANTS SHALL BE AVK, CLOW MEDALLION, M & H 1295, MUELLER CENTURION, OR WATEROUS.
6. GATE VALVES SHALL CONFORM TO THE LATEST AWWA SPECIFICATIONS FOR COLD WATER, RESILIENT SEATED WEDGE GATE VALVES, 200 PSI WORKING PRESSURE. THEY SHALL BE IRON-BODIED BRONZE-MOUNTED, NON-RISING STEM, COUNTER-CLOCKWISE OPENING, MECHANICAL JOINT BY FLANGED. VALVE STEMS SHALL BE PROVIDED WITH O-RING SEALS AND SHALL BE AS MANUFACTURED BY THE MUELLER COMPANY OR APPROVED EQUAL.
7. THE HOLDING SPOOL SHALL BE A MECHANICAL-JOINT (M.J.) HOLDING SPOOL, WITH THE USE OF MEGA-LUG CONNECTORS OR APPROVED EQUAL WITH CLASS 52 DUCTILE IRON PIPE.
8. IF DISTANCE BETWEEN WATER MAIN AND FIRE HYDRANT IS GREATER THAN 17 FEET, RESTRAINED JOINTS ARE REQUIRED ON ANY ADDITIONAL JOINTS. THE MAXIMUM 6-INCH HYDRANT RUN ALLOWED IS 20 FEET. ANY PROPOSED HYDRANT RUN EXCEEDING 20' IN LENGTH SHALL BE SIZED USING AN ENGINEERED HYDRAULIC FIRE FLOW MODEL. ANY HYDRANT RUN EXCEEDING 50 FEET IN LENGTH SHALL BE NO LESS THAN 8-INCHES IN DIAMETER.
9. FIRE HYDRANTS SHALL BE LOCATED A MINIMUM OF 50 FEET FROM A BUILDING OR STRUCTURE.
10. THE CONTRACTOR SHALL PLACE A 6 OZ. GEOTEXTILE FABRIC AROUND THE WASHED ROCK AREA, ENDS TO OVERLAP.
11. A FLUORESCENT ORANGE BAG MUST COVER AND BE SECURED TO THE FIRE HYDRANT UNTIL APPROVED FOR USE BY CITY ENGINEER.
12. A MINIMUM THREE FOOT (3') RADIUS UNOBSTRUCTED CLEAR ZONE (WORK AREA) SHALL BE PROVIDED AROUND ALL FIRE HYDRANTS. ADDITIONALLY, NO WOODY LANDSCAPE SHALL BE PLANTED WITHIN TEN FEET (10') OF ANY FIRE HYDRANT. OVERREACHING BRANCHES OF TREES ADJACENT TO HYDRANTS SHALL HAVE A MAINTAINED VERTICAL CLEARANCE OF SEVEN (7') FEET ABOVE FINISHED GRADE OF THE FIRE HYDRANT.

CITY OF PUYALLUP OFFICE of THE CITY ENGINEER
APPROVED FOR PUBLICATION — DATE REVISED: 11/17/2016
FIRE HYDRANT ASSEMBLY
(NOT TO SCALE)
CITY STANDARD 03.05.01



1. TRENCHING SHALL MEET THE REQUIREMENTS OF SECTION 7-08.3(1)A AND 2-06.3(1) OF THE WSDOT SPECIFICATIONS.
2. BEDDING MATERIAL SHALL CONFORM TO 9-03.12(3) GRAVEL BACKFILL FOR PIPE ZONE BEDDING.
3. GRAVEL BACKFILL SHALL CONFORM TO 9-03.12(1)A GRAVEL BACKFILL FOR FOUNDATIONS, CLASS A.

CITY OF PUYALLUP OFFICE of THE CITY ENGINEER
PIPE TRENCHING BEDDING AND BACKFILL
DRAWN BY: JIM LEWIS-SVOBODA | CHECKED BY: TED HILL | APPROVED BY: MARK PALMER | REVISED BY: V SZEKACSMS | DATE REVISED: 9/2/11, 12/15/15, 7/XX/XX, XX/XX/XX | DATE APPROVED: 2/05/2008 | CITY STANDARD 06.01.01
FILE NAME: P:\DWGS\CDs\2015\CITYSTD\06_MISC\06.01.04.01.dgn



NOTES:
1. WATER MAINS SHALL HAVE A MINIMUM COVER OF 36" FROM PAVED FINAL GRADE IN IMPROVED RIGHT-OF-WAY AND IMPROVED EASEMENTS, AND A MINIMUM OF 48" IN UNIMPROVED RIGHT-OF-WAY AND UNIMPROVED EASEMENTS.
2. VALVE OPERATING NUT EXTENSIONS ARE REQUIRED WHEN THE VALVE NUT IS MORE THAN FIVE (5) FEET BELOW FINISHED GRADE. EXTENSIONS ARE TO BE A MINIMUM OF TWO (2) FEET LONG, ONLY ONE EXTENSION TO BE USED PER VALVE. TOP OF EXTENSION SHALL BE 2 FEET 6 INCHES TO 3 FEET BELOW FINISHED GRADE.
3. ALL VALVE OPERATING NUT EXTENSIONS ARE TO BE MADE OF STEEL, SIZED AS NOTED, AND PAINTED WITH TWO COATS OF METAL PAINT.
4. VALVE BOXES SHALL BE TWO-PIECE, ADJUSTABLE, CAST IRON WITH EXTENSION PIECES (IF NECESSARY), AS MANUFACTURED BY THE VANRICH #940 SEATTLE OR APPROVED EQUAL. THE WORD "WATER" SHALL BE CAST IN RELIEF ON THE VALVE BOX COVER. VALVE BOX TOPS INSTALLED IN ARTERIAL ROADWAYS SHALL BE MANUFACTURED BY EAST JORDAN (EJ) IRONWORKS MODEL 8555 WITH LOCKING VALVE BOX COVER MODEL 6800 (PART# 068000250) OR APPROVED EQUAL.
5. NEAT LINE CUTS SHALL BE SEALED WITH A HOT PAVING GRADE ASPHALT AND FACE OF CUT TACKED.
6. WATER MAINS SHALL BE CONSTRUCTED AND TESTED IN ACCORDANCE WITH DIVISION 7 OF THE WSDOT STANDARD SPECIFICATIONS SUPPLEMENTED WITH THE FOLLOWING:
   A. DUCTILE IRON PIPE SHALL CONFORM TO AWWA C 151, THICKNESS CLASS 52, AND THE EXTERIOR SHALL BE COATED WITH COAL TAR VARNISH. PIPE AND FITTINGS SHALL BE MORTOR LINED AND SHALL CONFORM TO AWWA C 104. THE THICKNESS OF THE LINING SHALL BE NOT LESS THAN 1/16" THICK FOR 3" TO 12" PIPE, 3/32" THICK FOR 14" TO 24" PIPE, AND 1/8" THICK FOR 30" TO 54" PIPE. THE CEMENT LINING SHALL CONFORM TO THE REQUIREMENTS OF ASTM C 150.
   B. JOINTS SHALL BE TYTON PUSH-ON JOINTS, OR APPROVED EQUAL, OR MECHANICAL JOINT TYPE PER AWWA C 111 EXCEPT WHERE FLANGED JOINTS ARE REQUIRED TO CONNECT TO VALVES OR OTHER EQUIPMENT.
   C. BOLTS AND NUTS FOR BURIED FLANGES LOCATED OUTDOORS, ABOVE GROUND, OR IN OPEN VAULTS IN STRUCTURES SHALL BE TYPE 316 STAINLESS STEEL CONFORMING TO ASTM A 193, GRADE B8M FOR BOLTS, AND ASTM A 194, GRADE 8M FOR NUTS. BOLTS AND NUTS LARGER THAN ONE AND ONE-QUARTER (1-1/4) INCHES SHALL BE STEEL, ASTM A 307, GRADE B, WITH CADMIUM PLATING, ASTM A 165, TYPE NS.
   D. BOLTS USED IN FLANGE INSTALLATION SETS SHALL CONFORM TO ASTM B 193, GRADE B7. NUTS SHALL COMPLY WITH ASTM A 194, GRADE 2H.
   E. PROVIDE A WASHER FOR EACH NUT, WHERE NEEDED. WASHERS SHALL BE OF THE SAME MATERIAL AS THE NUTS.
   F. ALL FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF AWWA C 110 AND AWWA C 111.
   G. RESILIENT SEATED WEDGE GATE VALVES SHALL BE USED FOR TEN (10) INCH MAINS AND SMALLER. BUTTERFLY VALVES SHALL BE USED FOR MAINS GREATER THAN TEN (10) INCHES.
      1) RESILIENT SEATED WEDGE GATE VALVE: GATE VALVES SHALL CONFORM TO THE LATEST AWWA SPECIFICATIONS FOR COLD WATER, DOUBLE-DISK GATE VALVES, 200 PSI WORKING PRESSURE. THEY SHALL BE IRON-BODIED, BRONZE MOUNTED, NON-RISING STEM, WITH TWO (2) INCH SQUARE NUT, COUNTER-CLOCKWISE OPENING, MECHANICAL JOINT AND / OR FLANGED ENDS (5" VALVES ON FIRE HYDRANT LINES WHICH SHALL BE MECHANICAL JOINTS BY FLANGED). VALVE STEMS SHALL BE PROVIDED WITH O-RING SEALS AND SHALL BE AS MANUFACTURED BY THE MUELLER COMPANY OR APPROVED EQUAL.
      2) BUTTERFLY VALVES: BUTTERFLY VALVES CONFORMING WITH AWWA C 504, CLASS 150 AND SHALL HAVE STANDARD AWWA TWO (2) INCH SQUARE NUT.
7. DETECTABLE MARKING TAPE SHALL BE INSTALLED 18" ABOVE PIPE, BE BLUE IN COLOR, AND READ "CAUTION WATER LINE BELOW" MEETING WSDOT SPEC. 9-15.18.

CITY OF PUYALLUP OFFICE of THE CITY ENGINEER
APPROVED FOR PUBLICATION — DATE REVISED: 12/10/2021
WATER VALVES AND MAINS
(NOT TO SCALE)
CITY STANDARD 03.01.01

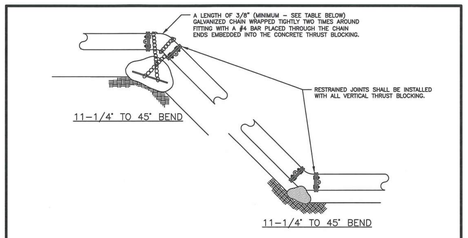


TABLE 1: CONCRETE BLOCKING FOR VERTICAL BENDS

PIPE DIAMETER (INCHES)	TEST PRESSURE (PSI)	BEND ANGLE (DEG)	CONCRETE VOLUME (YD³)	CUBE SIZE (FEET)	CHAIN SIZE (INCHES)	CHAIN EMBEDMENT (INCHES)
4"	200	11.25°	6	1.8	3/8"	17"
		22.5°	12	2.3		
		45°	22	2.8		
6"	200	11.25°	14	2.4	3/8"	17"
		22.5°	27	3.0		
		45°	50	3.7		
8"	200	11.25°	25	2.9	3/8"	17"
		22.5°	48	3.6		
		45°	89	4.5		
10"	200	11.25°	38	3.4	3/8"	17"
		22.5°	75	4.2		
		45°	139	5.2		
12"	200	11.25°	55	3.8	3/8"	17"
		22.5°	108	4.8		
		45°	200	5.8	1/2"	24"
14"	200	11.25°	75	4.2	3/8"	17"
		22.5°	147	5.3	1/2"	20"
		45°	272	6.5	1/2"	27"
16"	200	11.25°	98	4.6	3/8"	17"
		22.5°	192	5.8	1/2"	24"
		45°	355	7.1	3/4"	30"

ALL NOTES ON CITY STANDARD 03.02.01-1 SHALL APPLY TO THIS DETAIL.
SEE CITY STANDARD 03.02.01-3 FOR ADDITIONAL INFORMATION.

CITY OF PUYALLUP OFFICE of THE CITY ENGINEER
APPROVED FOR PUBLICATION — DATE REVISED: 2/5/2015
VERTICAL THRUST BLOCKING
(NOT TO SCALE)
CITY STANDARD 03.02.01-2

PRCTI20250324 shall match approved civil permit PRCCP20250372

For Reference Only
See separate civil permit.
PRCCP20250372

APPROVED
BY_____
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING
DATE_____
NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.
THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.
FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.

CALL BEFORE YOU DIG: 1-800-424-5555 OR "811"

UTILITY CONFLICT NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 1-800-424-5555 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, LLC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

No.	Date	By	Chd.	Appr.	Revision

Title: UTILITY DETAILS
FOR PUYALLUP PUBLIC
SAFETY BUILDING BENAROYA
TENANT IMPROVEMENT PERMIT/BID SET

For: MACKENZIE INC.
500 UNION STREET, SUITE 410
SEATTLE, WASHINGTON 98101

CASEY VISINTAINER — STATE OF WASHINGTON — 42841 — REGISTERED PROFESSIONAL ENGINEER
2/26/25

Scale: Horizontal N/A Vertical N/A

Designed	KDM	Drawn	KDM	Checked	CMV	Approved	CMV	Date	3/4/25

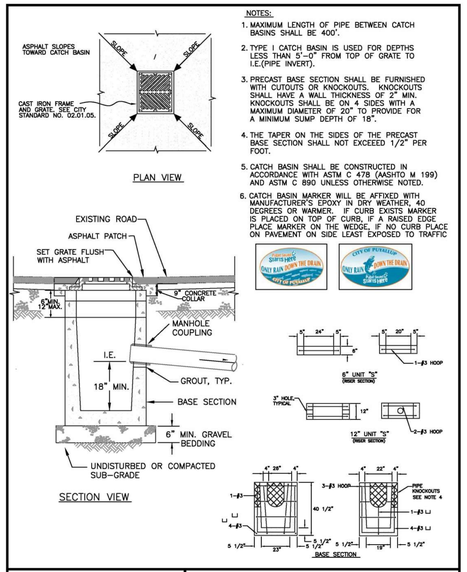
Barghausen Consulting Engineers, LLC.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222
barghausen.com

Job Number 23796 | Sheet C8 of 9

P:\23000s\23796\engineering\23796-pu.dwg 2/26/2025 6:26 PM KIMPSTEAD

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

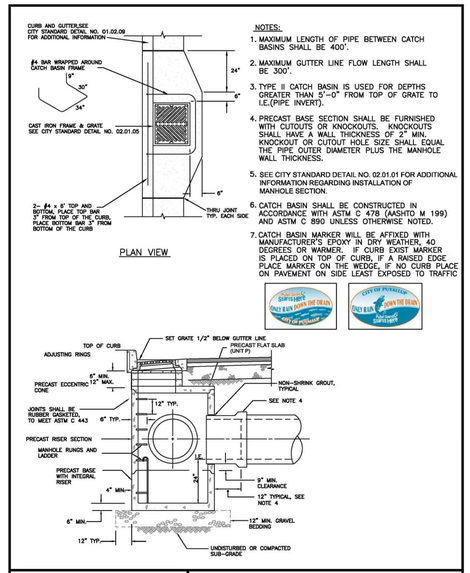
UTILITY DETAILS
FOR
PUYALLUP PUBLIC SAFETY BUILDING
A PORTION OF THE NE 1/4, SE 1/4, NW 1/4 & SW 1/4, OF THE SE 1/4 OF SEC. 3,TWN. 19 N, RGE. 4 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON



CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

CATCH BASIN TYPE 1 (AREA DRAIN)

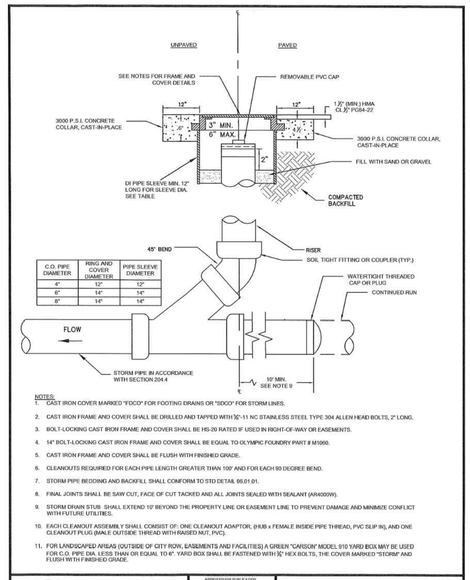
DRAWN BY	CHECKED BY	APPROVED BY	REVISED BY	CITY STANDARD
LINDA LANDING	LINDA LIAN	COLLEEN HARRIS	XXXX	02.01.02
FILE NAME: P:\DWG\COMM\03TDRCITY\2009\02_SD\02.01.02	DATE APPROVED: 06/01/1992	DATE REVISED: 06/01/2005	SCALE: N/S	



CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

CATCH BASIN TYPE II

DRAWN BY	CHECKED BY	APPROVED BY	REVISED BY	CITY STANDARD
LINDA LANDING	LINDA LIAN	COLLEEN HARRIS	XXXX	02.01.04
FILE NAME: P:\DWG\COMM\03TDRCITY\2009\02_SD\02.01.04	DATE APPROVED: 06/01/1992	DATE REVISED: 06/01/2005	SCALE: N/S	

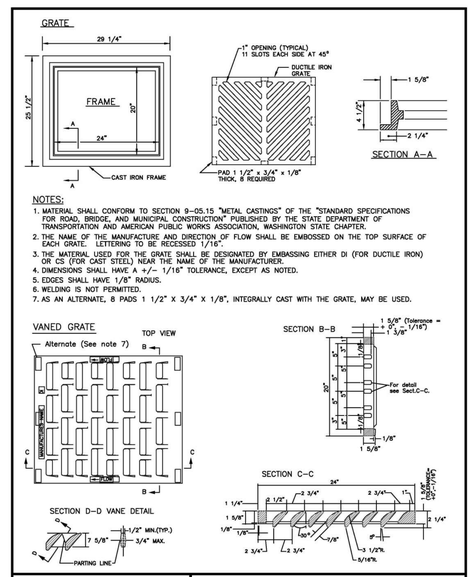


NOTES:
1. CAST IRON COVER MARKED "FDCO" FOR FOOTING DRAINS OR "SDCO" FOR STORM LINES.
2. CAST IRON FRAME AND COVER SHALL BE DRILLED AND TAPPED WITH 3/8"-11 NC STAINLESS STEEL TYPE 304 ALLEN HEAD BOLTS, 2" LONG.
3. BOLT-LOCKING CAST IRON FRAME AND COVER SHALL BE HS-20 RATED IF USED IN RIGHT-OF-WAY OR EASEMENTS.
4. 14" BOLT-LOCKING CAST IRON FRAME AND COVER SHALL BE EQUAL TO OLYMPIC FOUNDRY PART # M1060.
5. CAST IRON FRAME AND COVER SHALL BE FLUSH WITH FINISHED GRADE.
6. CLEANOUTS REQUIRED FOR EACH PIPE LENGTH GREATER THAN 100' AND FOR EACH 90 DEGREE BEND.
7. STORM PIPE BEDDING AND BACKFILL SHALL CONFORM TO STD DETAIL 05.01.01.
8. FINAL JOINTS SHALL BE SAW CUT, FACE OF CUT TACKED AND ALL JOINTS SEALED WITH SEALANT (AR4000W).
9. STORM DRAIN STUB SHALL EXTEND 10' BEYOND THE PROPERTY LINE OR EASEMENT LINE TO PREVENT DAMAGE AND MINIMIZE CONFLICT WITH FUTURE UTILITIES.
10. EACH CLEANOUT ASSEMBLY SHALL CONSIST OF: ONE CLEANOUT ADAPTOR, (HUB x FEMALE INSIDE PIPE THREAD, PVC SLIP IN), AND ONE CLEANOUT PLUG (MALE OUTSIDE THREAD WITH RAISED NUT, PVC).
11. FOR LANDSCAPED AREAS (OUTSIDE OF CITY ROW, EASEMENTS AND FACILITIES) A GREEN "CARSON" MODEL 910 YARD BOX MAY BE USED FOR C.O. PIPE DIA. LESS THAN OR EQUAL TO 6". YARD BOX SHALL BE FASTENED WITH 3/8" HEX BOLTS, THE COVER MARKED "STORM" AND FLUSH WITH FINISHED GRADE.

CITY OF PUYALLUP
PUBLIC WORKS AND DEVELOPMENT ENGINEERING

STORM DRAIN CLEANOUT

SCALE:	DATE REVISED:	CITY STANDARD
N/S	06/06/2005	02.01.09
FILE NAME: P:\Drawings\Manuscript\Jo Standards\20210102 - PART 2 - STANDARD DETAILS\CAD\20210102.09.dgn		



CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

CATCH BASIN FRAME AND GRATE/VANED GRATE

DRAWN BY	CHECKED BY	APPROVED BY	REVISED BY	CITY STANDARD
LINDA LANDING	LINDA LIAN	COLLEEN HARRIS	LINDA LIAN	02.01.05
FILE NAME: P:\DWG\COMM\03TDRCITY\2009\02_SD\02.01.05	DATE APPROVED: 01/01/1999	DATE REVISED: 03/31/11	SCALE: N/S	

PRCTI20250324 shall match approved civil permit PRCCP20250372

For Reference Only
See separate civil permit.
PRCCP20250372

APPROVED
BY_____
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING
DATE_____
NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.
THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.
FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.

CALL BEFORE YOU DIG:
1-800-424-5555 OR "811"

UTILITY CONFLICT NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 1-800-424-5555 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, LLC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

No.	Date	By	Cnck.	Appr.	Revision

Title:
UTILITY DETAILS
FOR PUYALLUP PUBLIC
SAFETY BUILDING BENAROYA
TENANT IMPROVEMENT PERMIT/BID SET

For:
MACKENZIE INC.
500 UNION STREET, SUITE 410
SEATTLE, WASHINGTON 98101

CARA VISINTAINER
STATE OF WASHINGTON
22842
REGISTERED PROFESSIONAL ENGINEER
2/26/25

Scale: Horizontal N/A Vertical N/A

Designed KDM
Drawn KDM
Checked CMV
Approved CMV
Date 3/4/25

Barghausen Consulting Engineers, LLC.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222
barghausen.com

Job Number 23796
Sheet C9 of 9

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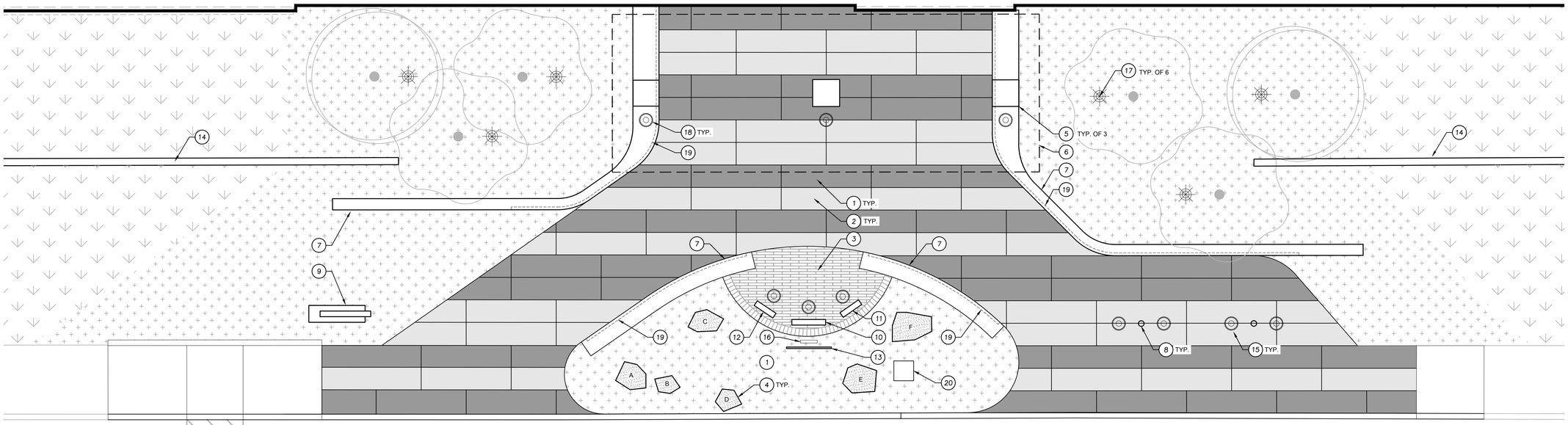
City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

EXISTING BUILDING



1 L1.10 LANDSCAPE MATERIALS PLAN

4 0 2 4 8 16

1/4" = 1'-0"

GENERAL LANDSCAPE NOTES

1. CONTRACTOR SHALL CONFIRM ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND PROMPTLY NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN ACTUAL SITE CONDITIONS AND THE CONTRACT DOCUMENTS.
2. CALL BEFORE YOU DIG. CONTRACTOR SHALL VERIFY INVERT ELEVATIONS OF ALL UNDERGROUND UTILITIES AND NOTIFY LANDSCAPE ARCHITECT IF THERE ARE ANY DISCREPANCIES WITH PLANTING ROOT ZONES. TO REQUEST LOCATES FOR PROPOSED EXCAVATION CALL 1-800-424-5555 (OR 811) IN WASHINGTON.
3. NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES OR CONFLICTS WITH EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK.
4. CONTRACTOR IS RESPONSIBLE FOR DETERMINING MEANS AND METHODS FOR CONSTRUCTION. THESE DRAWINGS MAY INDICATE A LIMIT OF PROPOSED IMPROVEMENTS, LIMITS OF DEMOLITION, ETC FOR DELINEATION OF EXPECTED EXTENTS OF DISTURBANCE. HOWEVER FINAL IMPACT SHALL BE DETERMINED IN THE FIELD. SHOULD LIMITS OF DISTURBANCE EXCEED BOUNDARIES DEFINED IN DRAWINGS, CONTRACTOR SHALL CONTACT THE OWNER AND LANDSCAPE ARCHITECT FOR RESOLUTION.
5. DAMAGE TO EXISTING CONCRETE CURB, ASPHALT PAVING, OR OTHER STRUCTURE SHALL BE REPAIRED OR REPLACED TO PRE CONSTRUCTION CONDITIONS.
6. CONTRACTOR SHALL COORDINATE WITH THE OWNER ANY DISRUPTION TO VEHICULAR CIRCULATION PRIOR TO COMMENCEMENT OF ANY WORK.
7. THE DRAWINGS AND SPECIFICATIONS ARE DESIGNED TO BE COMPLEMENTARY TO ONE ANOTHER AND IMPLIED TO CORRESPOND WITH ONE ANOTHER. ANY DISCREPANCIES SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR RESOLUTION IMMEDIATELY.

BOULDER SCHEDULE

LETTER	SIZE
A	3' X 3'
B	2' X 2'
C	3' X 2'
D	2' X 2'
E	3' X 3'
F	4' X 4'
G	SEE L1.11
H	SEE L1.11
I	SEE L1.11
J	SEE L1.11

KEYNOTES

1. PAVING TYPE A, INTEGRAL COLOR CONCRETE: GRAPHITE 860, SEE SPECS. SEE L1.20 FOR LAYOUT.
2. PAVING TYPE B, INTEGRAL COLOR CONCRETE: OUTBACK 677, SEE SPECS. SEE L1.20 FOR LAYOUT.
3. PAVING TYPE C, SAND SET CONCRETE UNIT PAVERS, COLOR: ADOBE. SEE SPECS. SEE DETAIL 7/L5.10.
4. LANDSCAPE BOULDER, SEE DETAIL 6/L5.10 AND BOULDER SCHEDULE ON THIS SHEET. INDICATED BOULDER SIZES ARE APPROXIMATE. SEE SPECS.
5. CANOPY COLUMN, SEE ARCH.
6. EDGE OF CANOPY, SEE ARCH.
7. SITE WALLS: SEE CIVIL FOR TOP OF WALL, WIDTH VARIES - SEE LAYOUT L1.20 FOR DIMENSIONS. INTEGRAL COLOR CONCRETE: SAN DIEGO BUFF 5237, SEE SPECS. INTEGRATED LED STRIP LIGHTING AT TOE KICK ALONG FRONT OF WALL, SEE ELECTRICAL. SEE DETAIL 10/L5.10.
8. FLAGPOLE, QTY. 2.
9. MONUMENT SIGN, SEE DETAIL 1/L5.12.
10. GRANITE MEMORIAL "CENTRAL" PANEL, WITH ENGRAVED LETTERING, SEE DETAIL 1/L5.11.
11. GRANITE MEMORIAL "SOUTH" SIDE PANEL, WITH ENGRAVED LETTERING, SEE DETAIL 1/L5.11.
12. GRANITE MEMORIAL "NORTH" SIDE PANEL, WITH ENGRAVED LETTERING, SEE DETAIL 1/L5.11.
13. ART PANEL, SEE DETAIL 1/L5.11.
14. EXISTING SITE WALL.
15. IN-GRADE UPLIGHT, SEE ELECTRICAL AND LAYOUT PLANS.
16. IN-GRADE LINEAR UPLIGHT, SEE ELECTRICAL AND LAYOUT PLANS.
17. TREE UPLIGHT, SEE ELECTRICAL AND LAYOUT PLANS.
18. UPLIGHT IN SITE WALL, SEE ELECTRICAL AND LAYOUT PLANS, AND DETAIL 10/L5.10.
19. EXTENTS OF SITE WALL INTEGRATED LED LIGHTING. SEE ELECTRICAL AND DETAIL 10/L5.10.
20. CATCH BASIN, SEE CIVIL.

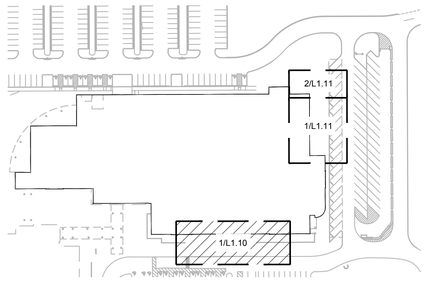
ABBREVIATIONS

ADJ	ADJACENT
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL)
B/	BOTTOM OF
BTWN	BETWEEN
BLDG	BUILDING
BM	BENCH MARK
BOTT	BOTTOM
CB	CATCH BASIN
CI	CAST IRON
CJ	CONTROL JOINT
℄	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN CONC CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CORR	CORRUGATED(ION)
CNTR	CENTER
DBL	DOUBLE
DF	DRINKING FOUNTAIN
DIA / Ø	DIAMETER
DIM	DIMENSION
DN	DOWN
DS	DOWNSPOUT
DWG	DRAWING
ELEV	ELEVATION
ELECT	ELECTRICAL
EQ	EQUAL
EX	EXISTING
EJ	EXPANSION JOINT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FFE	FINISH FLOOR ELEVATION
FG	FINISH GRADE
FOB	FACE OF BRICK
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MULLION
FOW	FACE OF WALL
FND	FOUNDATION
FOIC	FURNISH BY OWNER INSTALL BY CONTRACTOR
FT	FEET/FOOT
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GEN	GENERAL
GR	GRADE
HB	HOSE BIBB
HDW	HARDWARE
HORIZ	HORIZONTAL
ISF	INSIDE FACE
IE	INVERT ELEVATION
INT	INTERIOR
JNT	JOINT
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MFD	MANUFACTURED
MFG	MANUFACTURING
MIN	MINIMUM
MISC	MISCELLANEOUS
NIC	NOT IN CONTRACT
NO./#	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
O/A	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPP	OPPOSITE
O/S	OUTSIDE PLATE
PLAM	PLASTIC LAMINATE
PLYWD	PLYWOOD
PVC	POLY VINYL CHLORIDE
PVMT	PAVEMENT
POT	POINT OF TANGENCY
PT	PRESSURE TREATED
PTD	PAINTED
R	RADIUS
RAD	RADIAL
RD	ROOF DRAIN
REF	REFERENCE
REINF	REINFORCING
REQ	REQUIRED
REV	REVISION
ROW	RIGHT OF WAY
SHTG	SHEATHING
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STA PT	STATION POINT
STD	STANDARD
SUSP	SUSPENDED
T/	TOP OF
THK	THICK(NESS)
TS	TUBE STEEL
TYP	TYPICAL
U/S	UNDERSIDE
VERT	VERTICAL
W/	WITH
WD	WOOD
W/O	WITH OUT
WP	WATER PROOF
WR	WATER RESISTANT
WWM	WELDED WIRE MESH
WH	WATER HEATER

LEGEND

EXISTING LANDSCAPE TO REMAIN

PLANTING AREA: SEE L2.10 FOR PLANTING PLAN AND PLANTING SCHEDULE. SEE L5.13 FOR PLANTING DETAILS.



KEY MAP
MATERIALS PLANS SCALE: NTS

Architecture ▪ Interiors
Planning ▪ Engineering

Portland, OR
503.224.9560
Vancouver, WA
360.695.7879
Seattle, WA
206.749.9993
www.mackenzie.inc

Client
MACKENZIE.

City of Puyallup

Project
Puyallup Public Safety Building
1015 39th Avenue SE,
Puyallup, WA, 98374

STATE OF WASHINGTON · STEVEN PAUL JOHNSON · NO. 22005 EXP. 09/11/2026 · LICENSED LANDSCAPE ARCHITECT

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
LANDSCAPE MATERIALS PLAN

For Reference Only
See separate civil permit.
PRCCP20250372

SHEET
L1.10

JOB NO. **2170269.07**

PERMIT / BID SET - MARCH 4, 2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

MATCHLINE - SEE 2/L1.11

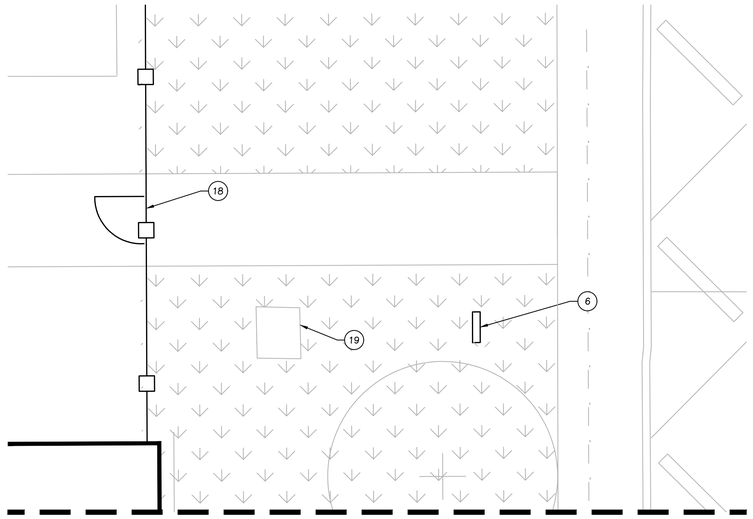
EXISTING BUILDING

Provide installation instructions and valve shutoff per codes. Typical for grill and fire bowl. See requirement for deferred gas pipe plan submittal. G0.01

1 L1.11 LANDSCAPE MATERIALS PLAN

4 0 2 4 8 16

1/4" = 1'-0"



MATCHLINE - SEE 1/L1.11

2 L1.11 LANDSCAPE MATERIALS PLAN

4 0 2 4 8 16

1/4" = 1'-0"

BOULDER SCHEDULE

LETTER	SIZE
A	SEE L1.10
B	SEE L1.10
C	SEE L1.10
D	SEE L1.10
E	SEE L1.10
F	SEE L1.10
G	4' X 4'
H	2' X 2'
I	2' X 2'
J	3' X 3'

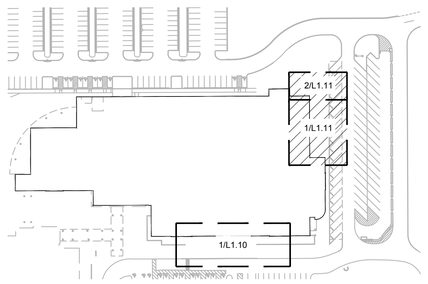
KEYNOTES

1. PAVING TYPE A, INTEGRAL COLOR CONCRETE: GRAPHITE 860, SEE SPECS. SEE L1.21 FOR LAYOUT.
2. PAVING TYPE B, INTEGRAL COLOR CONCRETE: OUTBACK 677, SEE SPECS. SEE L1.21 FOR LAYOUT.
3. LANDSCAPE BOULDER, SEE DETAIL 6/L5.10 AND BOULDER SCHEDULE ON THIS SHEET. INDICATED BOULDER SIZES ARE APPROXIMATE. SEE SPECS.
4. CANOPY COLUMN, SEE ARCH.
5. EDGE OF CANOPY, SEE ARCH.
6. GRANITE K-9 MEMORIAL WITH ENGRAVED LETTERING, SIM DETAILS A,B 3/L5.11. COORDINATE TEXT WITH OWNER, LAYOUT AND DESIGN SIM DETAIL C 2/L5.11.
7. PERFORATED PANEL FENCE: 8'-0" STEEL FENCE CUSTOM PANELS WITH LASER CUT DESIGN. SEE SPECS. SEE DETAIL 11/L5.10.
8. PLANTERS WITH POTTING SOIL, PLANTING, AND IRRIGATION, QTY. 6. SEE SPECS. FOR PLANTING AND IRRIGATION AT PLANTERS, SEE L2.11.
9. FIRE BOWL, QTY. 1. CONNECT TO GAS. SEE SPECS.
10. LOUNGE CHAIRS, QTY. 4. SEE SPECS.
11. CAFE TABLES, QTY. 2. SEE SPECS.
12. CAFE CHAIRS, QTY. 6. SEE SPECS.
13. PICNIC TABLE, QTY. 3. SEE SPECS.
14. CONCRETE PLINTH WITH BENCH TOP, QTY. 4 (2 PER PLINTH). SEE SPECS AND DETAIL 9/L5.10.
15. FREESTANDING BBQ GRILL. CONNECT TO GAS. SEE SPECS
16. POLE LIGHT, SEE ELECTRICAL.
17. CUSTOM VINYL WRAP, OFCI.
18. FENCE, SEE CIVIL.
19. EXISTING UTILITY VAULT.
20. CURB, SEE DETAIL 5/L5.10.

LEGEND

EXISTING LANDSCAPE TO REMAIN

PLANTING AREA: SEE L2.10 FOR PLANTING PLAN AND PLANTING SCHEDULE. SEE L5.13 FOR PLANTING DETAILS.



KEY MAP
MATERIALS PLANS SCALE: NTS

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See separate civil permit.
PRCCP20250372

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Planning ▪ Engineering

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MACKENZIE.
Client

City of Puyallup
Project

Puyallup Public Safety Building
1015 39th Avenue SE,
Puyallup, WA, 98374

STATE OF WASHINGTON · SILVER PAUL · 24125 · REGISTERED LANDSCAPE ARCHITECT · EXP. 09/14/2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
LANDSCAPE MATERIALS PLAN

SHEET
L1.11

JOB NO. **2170269.07**

PERMIT / BID SET - MARCH 4, 2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
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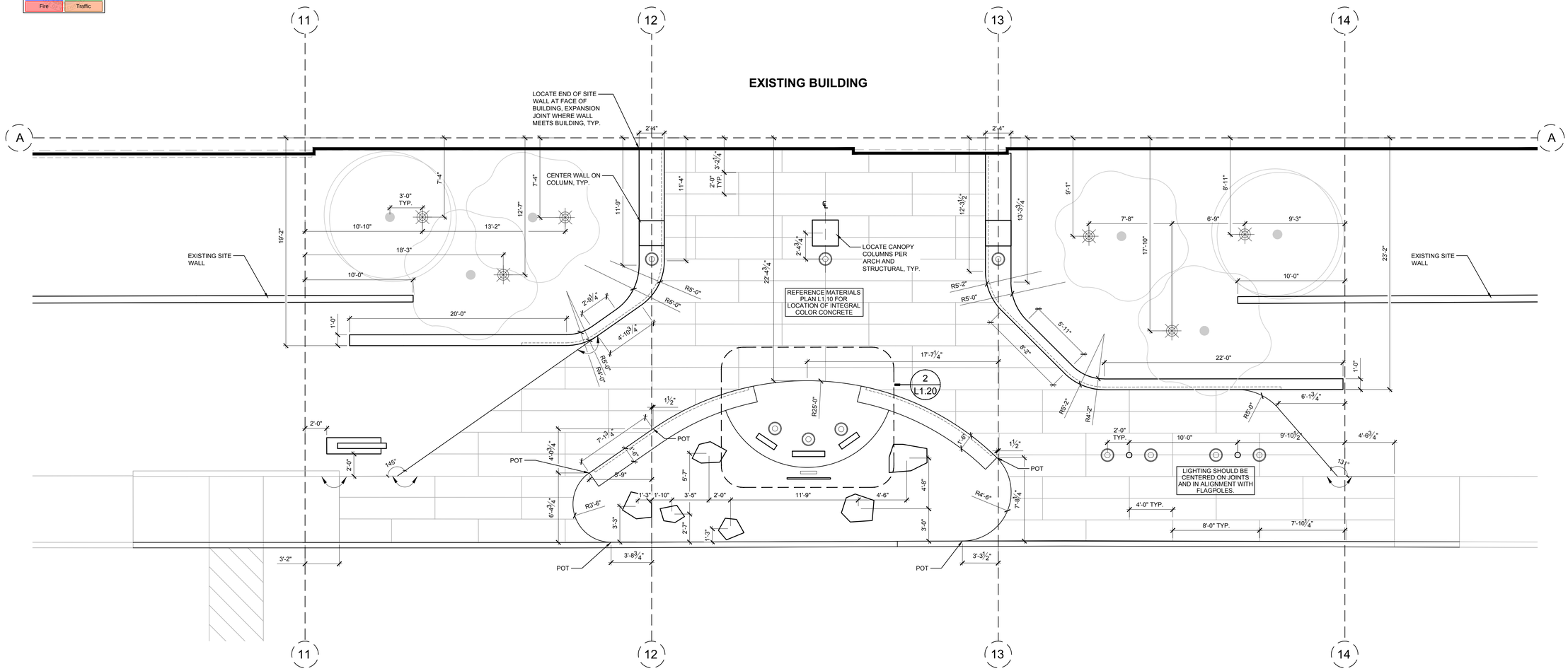
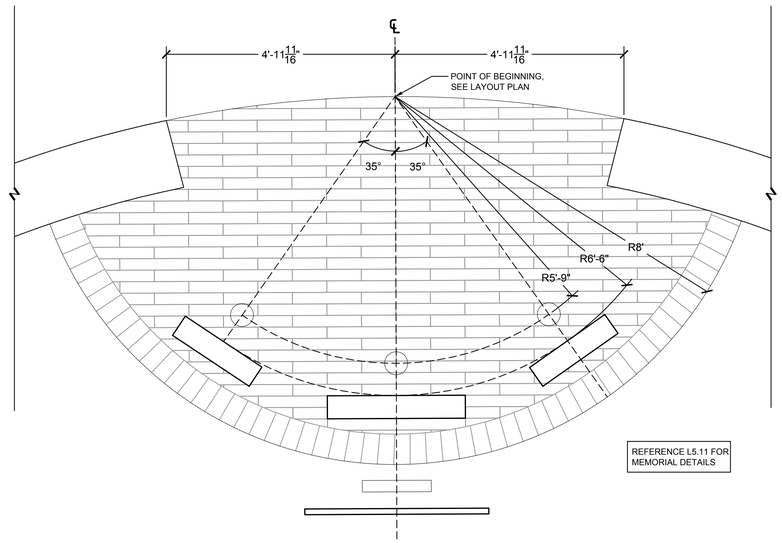


1 L1.20 LANDSCAPE LAYOUT AND JOINT PLAN

4 0 2 4 8 16

1/4" = 1'-0"

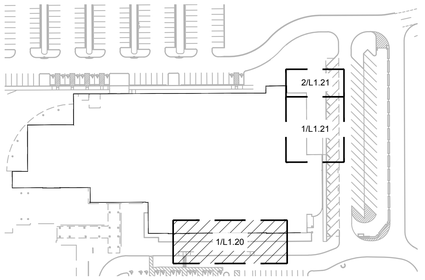


1 L1.20 MEMORIAL - LAYOUT ENLARGEMENT

3/4" = 1'-0"

NOTES

1. FOR LOCATION OF NON-MOUNTED SITE FURNISHINGS, REFERENCE MATERIALS PLAN L1.10 AND L1.11
2. PLACE ALL BOULDERS PRIOR TO POURING FLATWORK
3. SEE CIVIL FOR GRADING INFO
4. CONFIRM ALL UTILITY AND IRRIGATION SLEEVING HAVE BEEN INSTALLED PRIOR TO COMMENCING CONCRETE WORK



KEY MAP
LAYOUT AND JOINT PLANS
SCALE: NTS

Architecture ▪ Interiors
Planning ▪ Engineering

Portland, OR
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MACKENZIE.
Client

City of Puyallup
Project

Puyallup Public Safety Building

1015 39th Avenue SE,
Puyallup, WA, 98374

STATE OF WASHINGTON
STEVEN PAUL
LICENSED LANDSCAPE ARCHITECT
EXP. 09/17/2026

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
LANDSCAPE LAYOUT AND JOINT PLAN

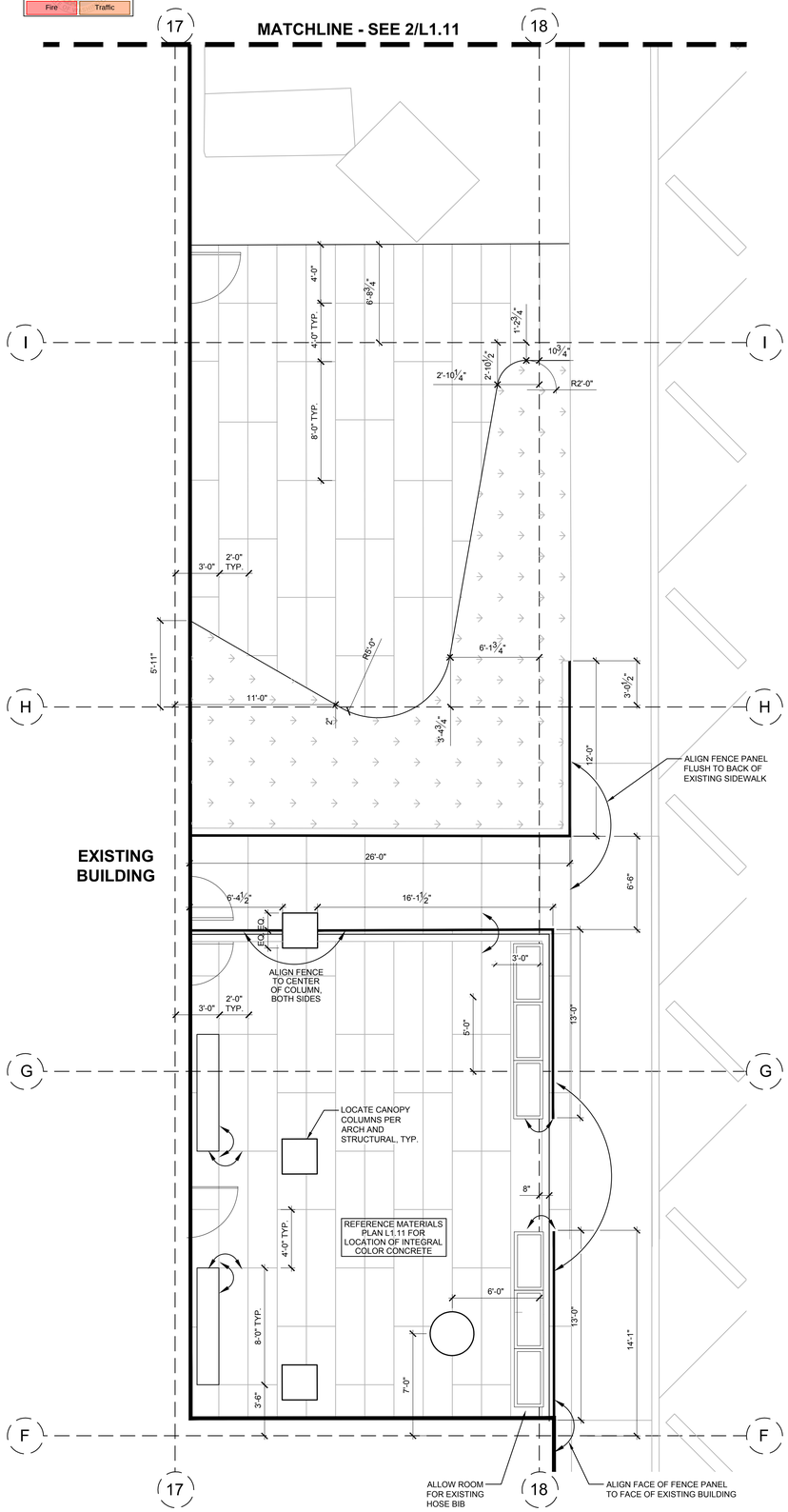
For Reference Only
See separate civil permit.
PRCCP20250372

SHEET
L1.20

JOB NO. **2170269.07**

PERMIT / BID SET - MARCH 4, 2025

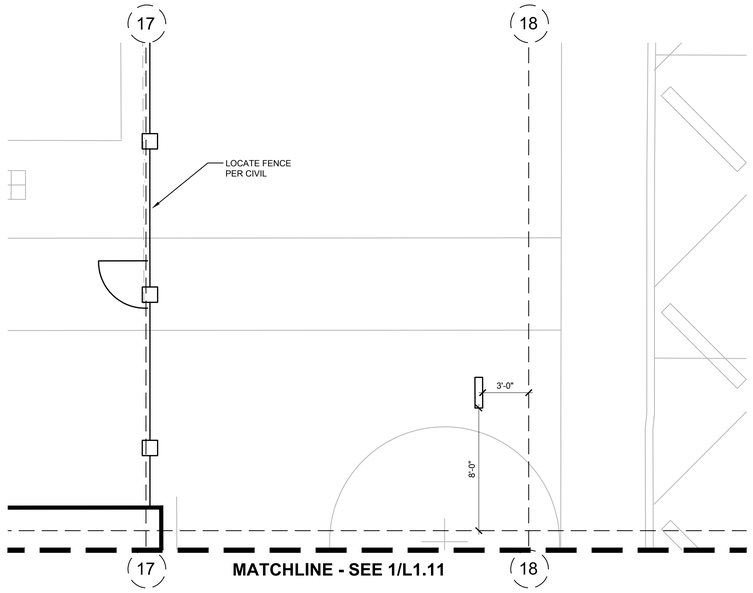
City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic



1 L1.21 LANDSCAPE LAYOUT AND JOINT PLAN

4 0 2 4 8 16

1/4" = 1'-0"



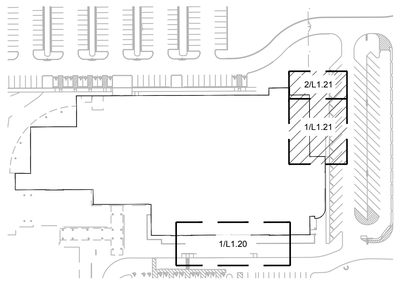
2 L1.21 LANDSCAPE LAYOUT AND JOINT PLAN

4 0 2 4 8 16

1/4" = 1'-0"

NOTES

1. FOR LOCATION OF NON-MOUNTED SITE FURNISHINGS, REFERENCE MATERIALS PLAN L1.10 AND L1.11
2. PLACE ALL BOULDERS PRIOR TO POURING FLATWORK
3. SEE CIVIL FOR GRADING INFO
4. CONFIRM ALL UTILITY AND IRRIGATION SLEEVING HAVE BEEN INSTALLED PRIOR TO COMMENCING CONCRETE WORK



KEY MAP
LAYOUT AND JOINT PLANS SCALE: NTS

Architecture ▪ Interiors
Planning ▪ Engineering

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SHEET
L1.21

JOB NO. **2170269.07**

PERMIT / BID SET - MARCH 4, 2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

Architecture ▪ Interiors
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Puyallup Public Safety Building

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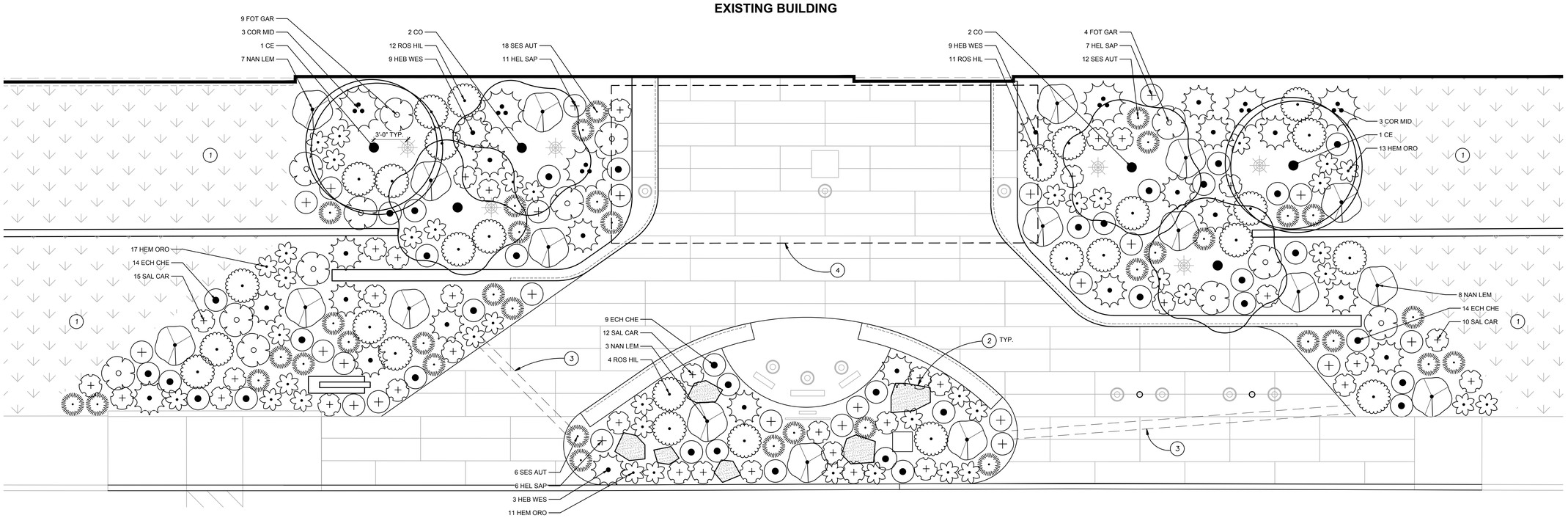
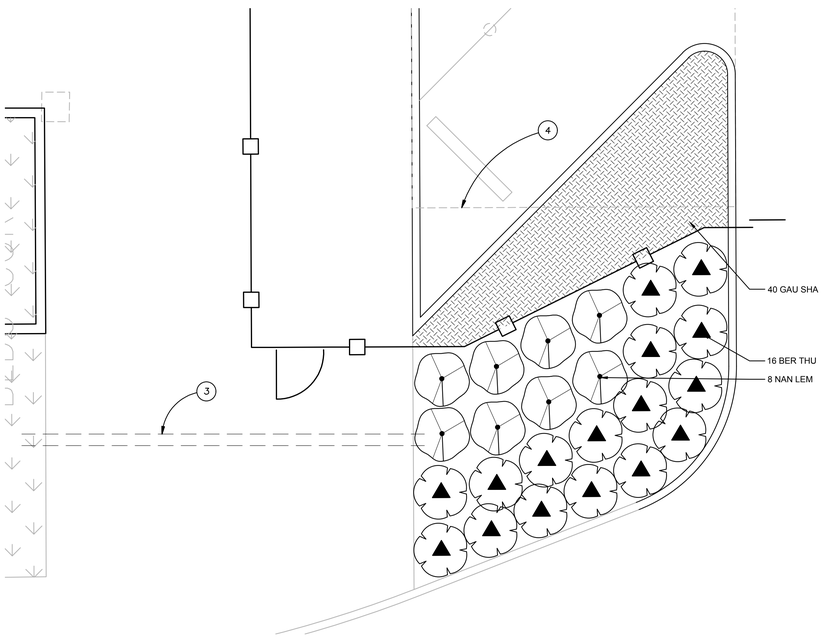
EXISTING BUILDING



1 L2.10 PLANTING PLAN

4 0 2 4 8 16

1/4" = 1'-0"



2 L2.10 PLANTING PLAN

4 0 2 4 8 16

1/4" = 1'-0"

PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	
TREES				
	CO	CERCIS OCCIDENTALIS 'CLAREMONT' CLAREMONT WESTERN REDBUD MULTISTEM	2" CAL. B&B	
	CE	CORNUS X ELWINORTONII 'STARLIGHT' STARLIGHT DOGWOOD	2" CAL. B&B	
		EXISTING TREE TO REMAIN	---	
	NS	NYSSA SYLVATICA 'DAVID ODOM' AFTERBURNER TUPELO	2" CAL. B&B	
SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	SPACING
SHRUBS				
	ASP ELA	ASPIDISTRA ELATIOR CAST IRON PLANT	2 GAL.	AS SHOWN
	BER THU	BERBERIS THUNBERGII 'O'BYRNE' SUNJOY TANGELO JAPANESE BARBERRY	2 GAL.	42" o.c.
	COR MID	CORNUS SANGUINEA 'MIDWINTER FIRE' MIDWINTER FIRE BLOODTWIG DOGWOOD	5 GAL.	48" o.c.
	ECH CHE	ECHINACEA X 'CHEYENNE SPIRIT' CHEYENNE SPIRIT CONEFLOWER	1 GAL.	24" o.c.
	FOT GAR	FOTHERGILLA GARDENII 'SUZANNE' DWARF FOTHERGILLA	5 GAL.	36" o.c.
	HAK MAC	HAKONECHLOA MACRA JAPANESE FOREST GRASS	2 GAL.	AS SHOWN
	HEB WES	HEBE X 'WESTERN HILLS' WESTERN HILLS HEBE	5 GAL.	36" o.c.
	HEL SAP	HELICTOTRICHON SEMPERVIRENS 'SAPPHIRE' SAPPHIRE BLUE OAT GRASS	2 GAL.	24" o.c.
	HEM ORO	HEMEROCALLIS X 'STELLA DE ORO' STELLA DE ORO DAYLILY	2 GAL.	24" o.c.
	LIR BIG	LIRIOPE MUSCARI 'BIG BLUE' BIG BLUE LILYTURF	2 GAL.	AS SHOWN
	NAN LEM	NANDINA DOMESTICA 'LEMON-LIME' LEMON-LIME HEAVENLY BAMBOO	5 GAL.	42" o.c.
	ROS HIL	ROSMARINUS OFFICINALIS 'HILL'S HARDY' HILL'S HARDY ROSEMARY	5 GAL.	36" o.c.
	SAL CAR	SALVIA NEMOROSA 'CARADONNA' CARDONNA MEADOW SAGE	1 GAL.	24" o.c.
	SES AUT	SESLERIA AUTUMNALIS AUTUMN MOOR GRASS	1 GAL.	24" o.c.
	SPI BET	SPIRAEA BETULIFOLIA 'TOR GOLD' GLOW GIRL BIRCHLEAF SPIREA	5 GAL.	42" o.c.
GROUND COVERS				
	GAU SHA	GAULTHERIA SHALLON SALAL	1 GAL.	24" o.c.
	RUB CAL	RUBUS CALYCINOIDES 'EMERALD CARPET' EMERALD CARPET CREEPING BRAMBLE	1 GAL.	24" o.c.

PLANTING AND IRRIGATION NOTES

PLANT PROTECTION AND REMOVAL

1. ALL EXISTING TREES, PLANTS, AND ROOTS SHALL BE PROTECTED FROM DAMAGE FROM ANY CONSTRUCTION PREPARATION, REMOVAL OR INSTALLATION ACTIVITIES WITHIN AND ADJACENT TO PROJECT LIMITS.
2. LOCATION OF EXISTING TREES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK. TREES INDICATED TO BE REMOVED SHALL ALSO INCLUDE COMPLETE REMOVAL OF STUMP AND ROOTS AND FILLING IN DEPRESSION WITH SUITABLE SOIL FILL.
3. IF DISTURBANCE IS NECESSARY AROUND EXISTING TREES, CONTRACTOR SHALL PROTECT THE CROWN AND ALL WORK WITHIN THE TREE CRITICAL ROOT ZONE SHALL BE LIMITED TO THE USE OF HAND TOOLS AND MANUAL EQUIPMENT ONLY.
4. EXISTING AREAS PROPOSED FOR NEW PLANT MATERIAL SHALL BE CLEARED AND LEGALLY DISPOSED UNLESS SO NOTED.

PLANTING

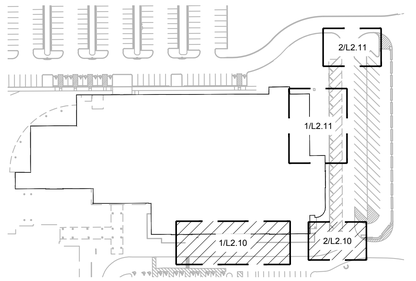
1. SHRUBS ADJACENT TO PARKING AREAS SHALL BE PLANTED 2 FT MINIMUM AWAY FROM THE BACK OF CURB. SHRUBS AND GROUNDCOVER ALONG OTHER PAVEMENT EDGES SHALL BE PLANTED A MINIMUM OF ONE HALF THEIR ON CENTER SPACING AWAY FROM PAVEMENT EDGE.
2. ALL PLANT MATERIAL SHALL BE HEALTHY NURSERY STOCK, WELL BRANCHED AND ROOTED, FULL FOLIAGE, FREE FROM INSECTS, DISEASES, WEEDS, WEED ROT, INJURIES AND DEFECTS WITH NO LESS THAN MINIMUMS SPECIFIED IN AMERICAN STANDARDS FOR NURSERY STOCK, ANSI Z60.1-2004.
3. DO NOT PLANT TREES ABOVE WATERLINES, UTILITIES, OR OTHER UNDERGROUND PIPING.
4. REPLACE, REPAIR AND RESTORE DISTURBED LANDSCAPE AREAS DUE TO GRADING, TRENCHING OR OTHER REASONS TO PRE-CONSTRUCTION CONDITION AND PROVIDE MATERIAL APPROVED BY THE OWNER AND OWNER'S REPRESENTATIVE.
5. A SOILS ANALYSIS, BY AN INDEPENDENT SOILS TESTING LABORATORY RECOGNIZED BY THE STATE DEPARTMENT OF AGRICULTURE, SHALL BE USED TO RECOMMEND AN APPROPRIATE PLANTING SOIL AND/OR SPECIFIED SOIL AMENDMENTS.
6. TOPSOIL SHALL BE AMENDED AS RECOMMENDED BY AN INDEPENDENT SOILS TESTING LABORATORY AND AS OUTLINED IN THE SPECIFICATION.
7. ALL LANDSCAPED AREAS SHALL BE COVERED BY A LAYER OF ORGANIC MULCH TO A MINIMUM DEPTH OF 2-INCHES.

IRRIGATION

1. ALL NEW PLANTING AREAS TO BE IRRIGATED BY AUTOMATIC IRRIGATION SYSTEM. IRRIGATION ZONES TO BE VALVED ACCORDING TO PLANT TYPES, EXPOSURE, AND MICROCLIMATIC CONDITIONS.
2. ASSESS EXISTING IRRIGATION SYSTEM FOR FUNCTIONALITY AND ABILITY TO ACCOMMODATE ALL NEW LANDSCAPE AREAS.
3. VALVES SHALL BE WIRED AND INSTALLED PER MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES AND CONNECTED TO THE IRRIGATION CONTROLLER.
4. PROVIDE SLEEVING AT ALL AREAS WHERE PIPE TRAVELS UNDER CONCRETE OR HARD SURFACING.
5. IRRIGATION SYSTEM AS DESIGNED AND INSTALLED SHALL PERFORM WITHIN THE TOLERANCES AND SPECIFICATIONS OF THE SPECIFIED MANUFACTURERS.
6. ALL IRRIGATION PIPE MATERIAL AND INSTALLATION SHALL CONFORM TO APPLICABLE CODE FOR PIPING AND COMPONENT REQUIREMENTS.
7. SYSTEM SHALL SUPPLY MANUFACTURER'S SPECIFIED MINIMUM OPERATING PRESSURE TO FARTHEST EMITTER FROM WATER METER.
8. IRRIGATION SHALL BE WINTERIZED THROUGH LOW PRESSURE, HIGH VOLUME AIR BLOWOUT CONNECTION THROUGH QUICK COUPLER.
9. CONTRACTOR SHALL DIG WITH CARE AND REPAIR OR REPLACE ANY DAMAGE TO PRE CONSTRUCTION CONDITIONS USING MATERIALS MATCHING EXISTING SYSTEM.
10. ZONE TREES SEPARATELY.
11. MINIMIZE IMPACTS TO EXISTING TREES TO THE GREATEST EXTENT POSSIBLE. TRENCH UNDER ROOTS GREATER THAN 2-INCHES IN DIAMETER. ARBORIST SHALL BE PRESENT FOR ANY TRENCHING WITHIN THE CRITICAL ROOT ZONE OF EXISTING TREES.
12. CONTRACTOR TO DETERMINE STATIC WATER PRESSURE AT THE P.O.C. PRIOR TO PREPARING SHOP DRAWINGS.
13. CONTRACTOR SHALL ESTABLISH MINIMUM PRESSURE AND MAXIMUM DEMAND REQUIREMENTS FOR IRRIGATION SYSTEM DESIGN, AND PROVIDE INFORMATION IN AN IRRIGATION SCHEDULE.
14. CONTRACTOR TO LOCATE AND VERIFY LOCATION AND CONDITION OF POINT OF CONNECTION, CONTROLLER AND VALVES ONSITE. CONTRACTOR SHALL UTILIZE EXISTING POINT OF CONNECTION AND CONTROLLER.

KEYNOTES

1. EXISTING LANDSCAPE, PROTECT FROM DAMAGE DURING CONSTRUCTION. REPAIR AND REPLACE TO PRE-CONSTRUCTION CONDITIONS.
2. LANDSCAPE BOULDERS, SEE DETAIL 6/L5.10.
3. MODIFY EXISTING IRRIGATION SYSTEM AS REQUIRED TO PROVIDE FULLY FUNCTIONAL SYSTEM. PROVIDE SLEEVING TO NEW PLANTING AREAS. CONNECT NEW ZONES TO EXISTING MAINLINE AND CONTROLS. SEE SPECS.
4. CANOPY ABOVE.



KEY MAP
PLANTING PLANS SCALE: NTS

STATE OF WASHINGTON
SILVIA PAUL
EXP. 09/24/2026
REGISTERED LANDSCAPE ARCHITECT

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Delta	Issued As	Issue Date

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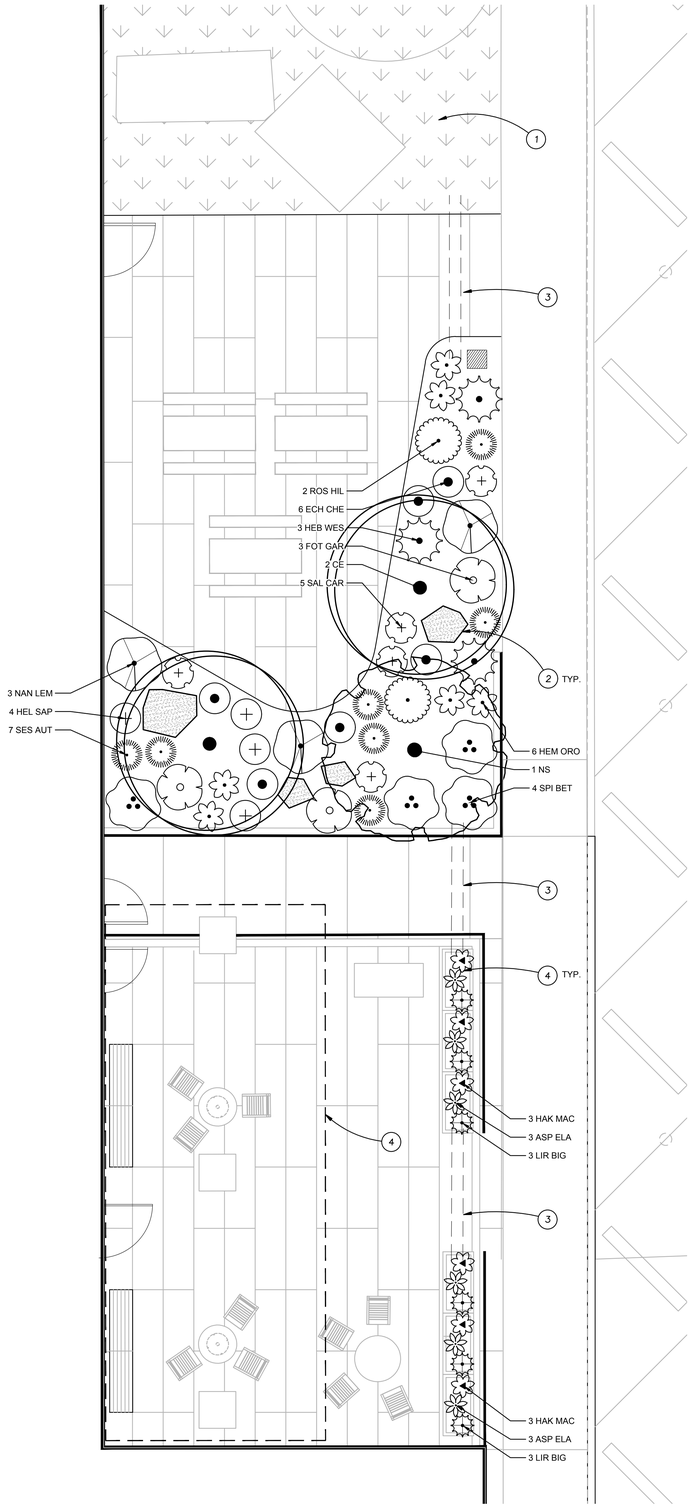
SHEET
L2.10

JOB NO. **2170269.07**

PERMIT / BID SET - MARCH 4, 2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

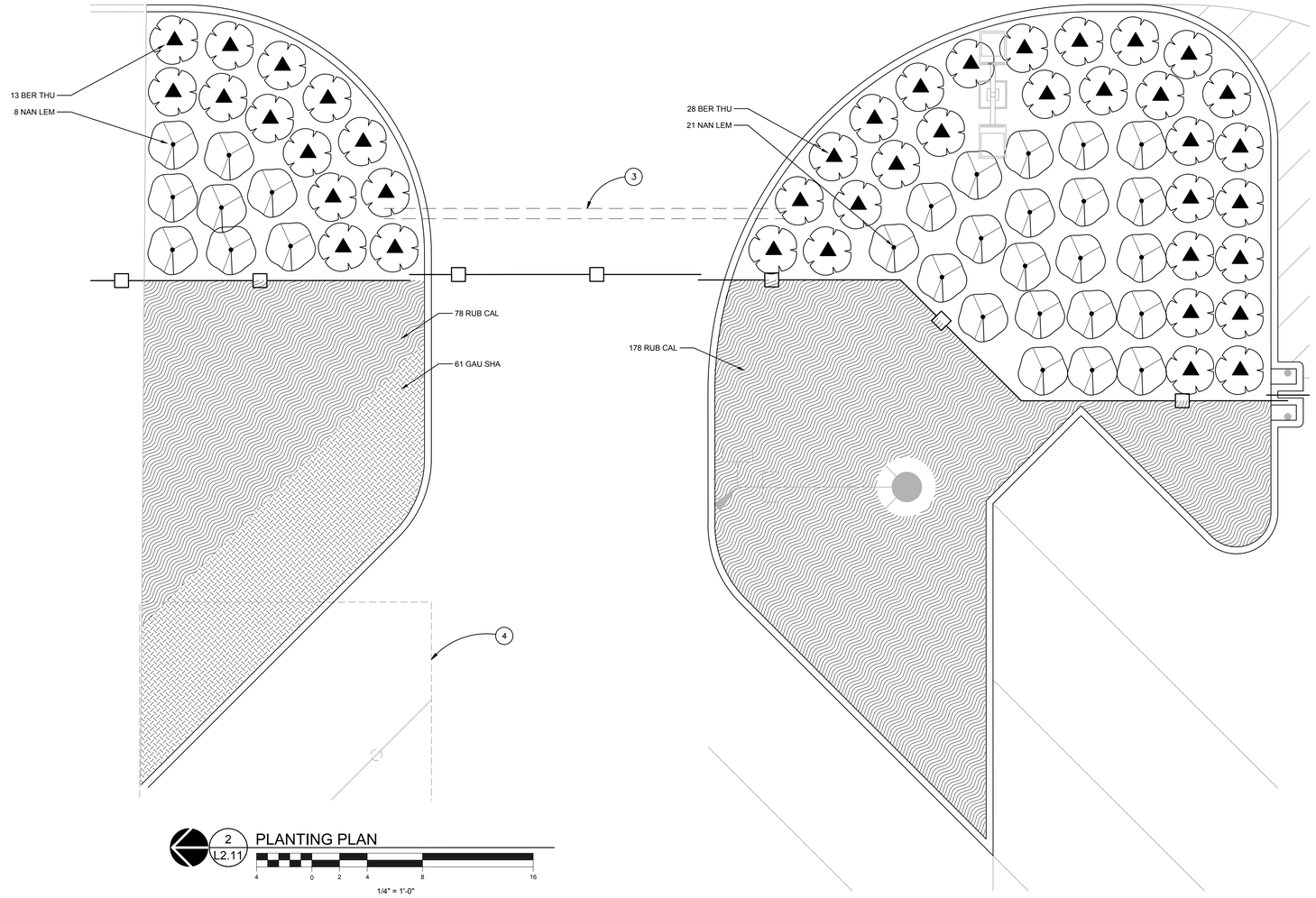
Building	Planning
Engineering	Public Works
Fire	Traffic



1 L2.11 PLANTING PLAN

4 0 2 4 8 16

1/4" = 1'-0"



2 L2.11 PLANTING PLAN

4 0 2 4 8 16

1/4" = 1'-0"

PLANT SCHEDULE

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TREES				
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		EXISTING TREE TO REMAIN	---	
	NS	NYSSA SYLVATICA 'DAVID ODOM' AFTERBURNER TUPELO	2" CAL. B&B	
SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	SPACING
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	BER THU	BERBERIS THUNBERGII 'O'BYRNE' SUNJOY TANGELO JAPANESE BARBERRY	2 GAL.	42" o.c.
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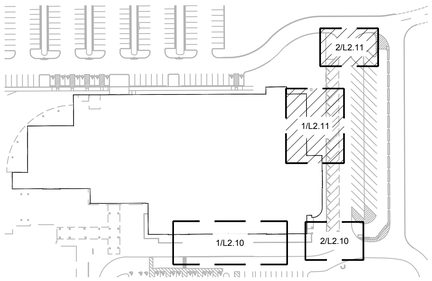
	RUB CAL	RUBUS CALYCINOIDES 'EMERALD CARPET' EMERALD CARPET CREEPING BRAMBLE	1 GAL.	24" o.c.

NOTES

1. REFERENCE L2.10 FOR PLANTING AND IRRIGATION NOTES.

KEYNOTES

1. EXISTING LANDSCAPE. PROTECT FROM DAMAGE DURING CONSTRUCTION. REPAIR AND REPLACE TO PRE-CONSTRUCTION CONDITIONS.
2. LANDSCAPE BOULDERS, SEE DETAIL 6/L5.10.
3. MODIFY EXISTING IRRIGATION SYSTEM AS REQUIRED TO PROVIDE FULLY FUNCTIONAL SYSTEM. PROVIDE SLEEVING TO NEW PLANTING AREAS. CONNECT NEW ZONES TO EXISTING MAINLINE AND CONTROLS. SEE SPECS.
4. CONNECT PLANTERS TO AUTOMATIC DRIP SYSTEM.
5. CANOPY ABOVE.



KEY MAP
PLANTING PLANS SCALE: NTS

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REVISION SCHEDULE

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SHEET TITLE:
PLANTING PLAN

SHEET
L2.11

JOB NO. **2170269.07**

PERMIT / BID SET - MARCH 4, 2025

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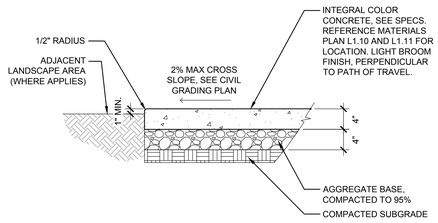
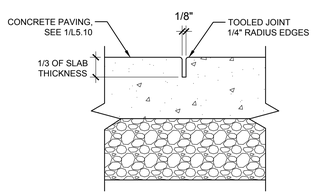
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

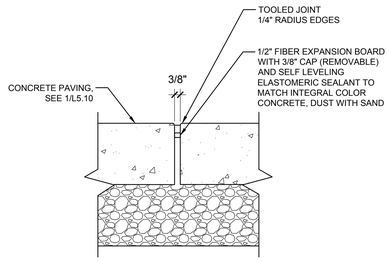


1 CONCRETE PAVING
PAVING TYPE A AND B — SCALE: NTS



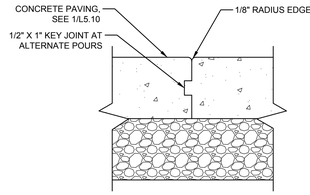
NOTES:
1. SEE LAYOUT PLAN SHEETS L1.20 AND L1.21 FOR LOCATION OF JOINTS.
2. NO SHINERS ON TOOLED JOINTS.

2 CONTRACTION JOINT (CJ)
SCALE: NTS



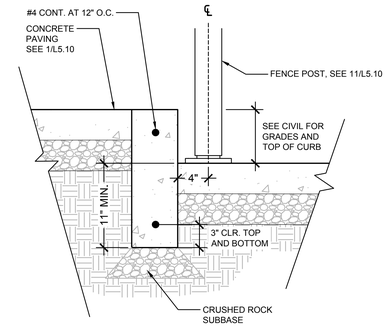
NOTES:
1. SEE LAYOUT PLAN SHEETS L1.20 AND L1.21 FOR LOCATION OF JOINTS.
2. NO SHINERS ON TOOLED JOINTS.

3 EXPANSION JOINT (EJ)
SCALE: NTS

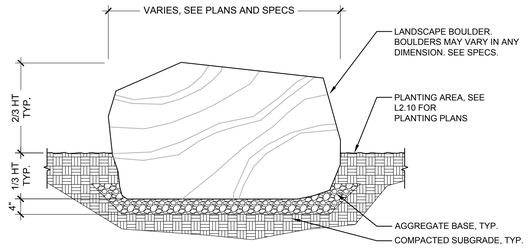


NOTES:
1. SEE LAYOUT PLAN SHEETS L1.20 AND L1.21 FOR LOCATION OF JOINTS
2. NO SHINERS ON TOOLED JOINTS.

4 KEY JOINT
SCALE: NTS

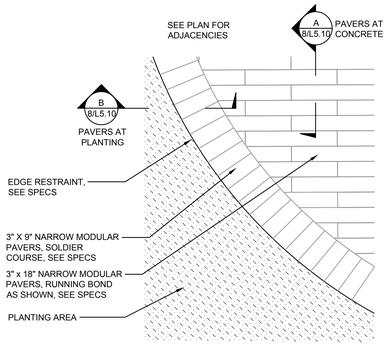


5 CONCRETE CURB
AT OFFICER ENTRY PLAZA — SCALE: NTS

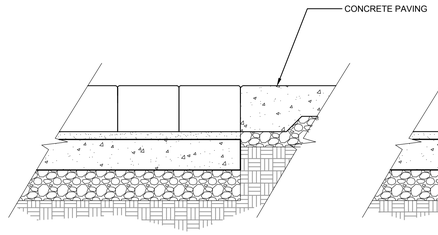


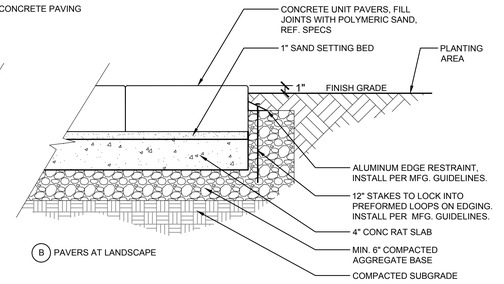
6 LANDSCAPE BOULDER
IN PLANTING AREAS — SCALE: NTS

CONTRACTOR TO LOCATE AND IDENTIFY BOULDERS FOR APPROVAL BY LANDSCAPE ARCHITECT AND OWNER. CONTRACTOR TO PROVIDE PHOTOS OF ALL BOULDERS FOR REVIEW.

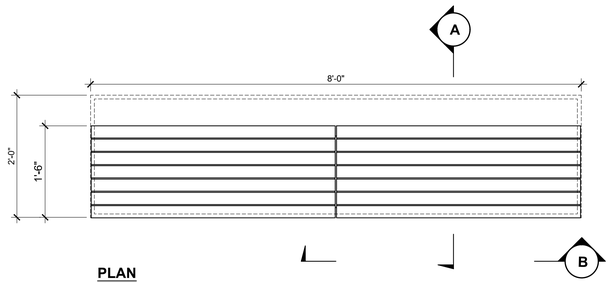


7 CONCRETE PAVERS
PAVING TYPE C - TYPICAL LAYOUT — SCALE: NTS

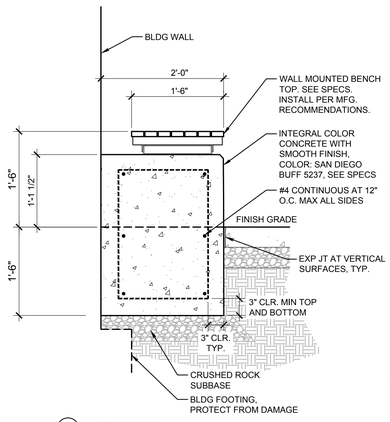




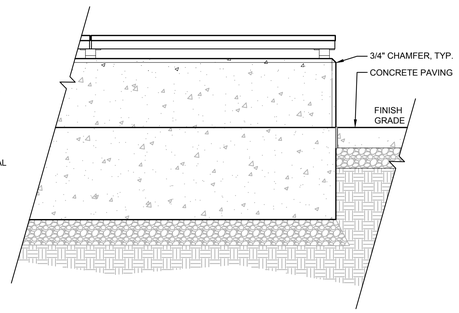
8 CONCRETE PAVERS
PAVING TYPE C - SECTION — SCALE: NTS



PLAN

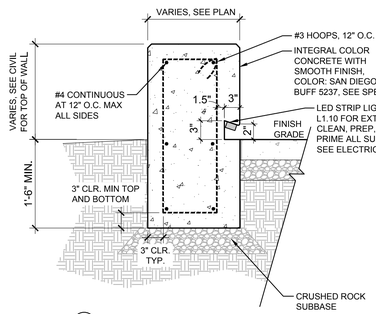


A SECTION

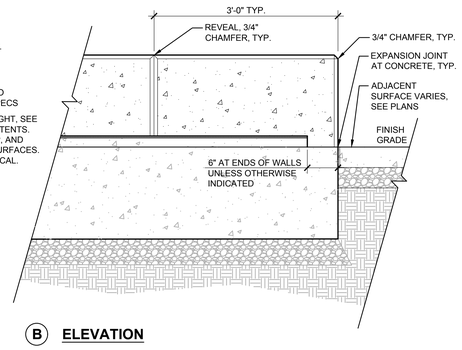


B ELEVATION

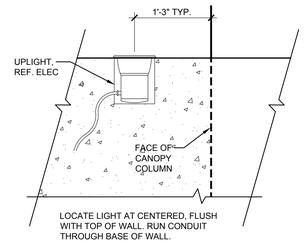
9 CONCRETE PLINTH
WITH BENCH TOPPER — SCALE: 1/2" = 1'-0"



A SECTION

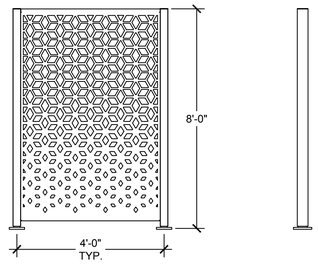


B ELEVATION



C SECTION AT COLUMN

10 TYP. SITE WALL
1" = 1'-0"



NOTES:
1. SEE DETAIL 5/L5.10 FOR POST PLACEMENT.
2. PATTERN SHOWN IS NOT THE SAME AS SPECIFIED.
3. REFERENCE SPECS FOR MODEL, COLOR, FINISH, PATTERN, ETC.

11 PERFORATED PANEL FENCE
SCALE: NTS

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Client

City of Puyallup

Project

Puyallup Public Safety Building

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REVISION SCHEDULE

Delta	Issued As	Issue Date

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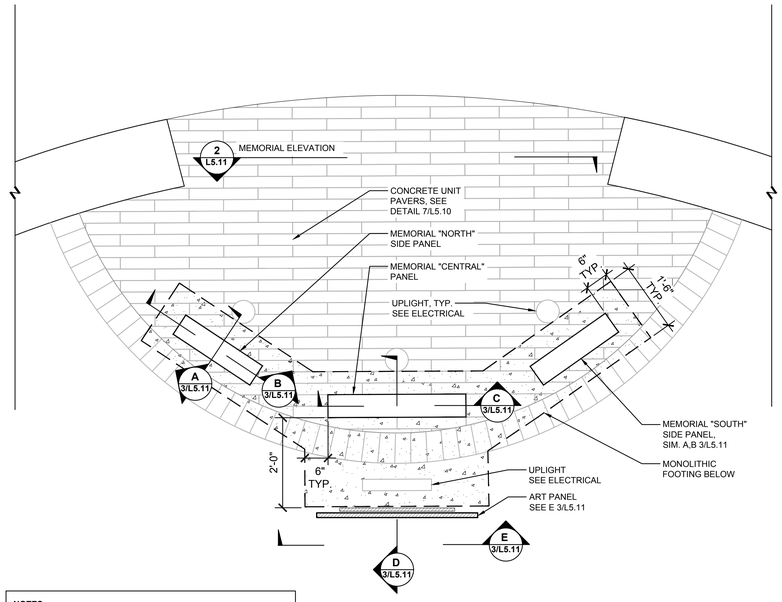
PRCCP20250372

SHEET
L5.10

JOB NO. 2170269.07

PERMIT / BID SET - MARCH 4, 2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic



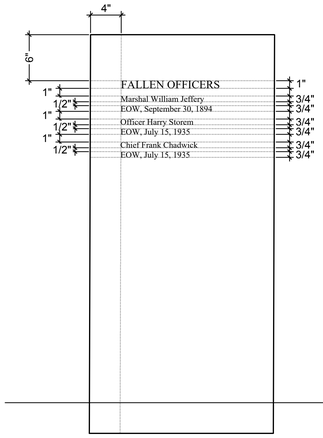
NOTES:

1. REFERENCE L1.20 FOR MEMORIAL LAYOUT.
2. GRANITE PANELS AVAILABLE FROM VANCOUVER GRANITE WORKS, OR APPROVED EQUAL, AND INSCRIBED WITH MEMORIAL TEXT PRIOR TO INSTALLATION. REFERENCE 2/L5.11 FOR INSCRIPTION AND TEXT LAYOUT. PROTECT GRANITE PANELS FROM ANY CONSTRUCTION DAMAGE BEFORE AND AFTER INSTALLATION.

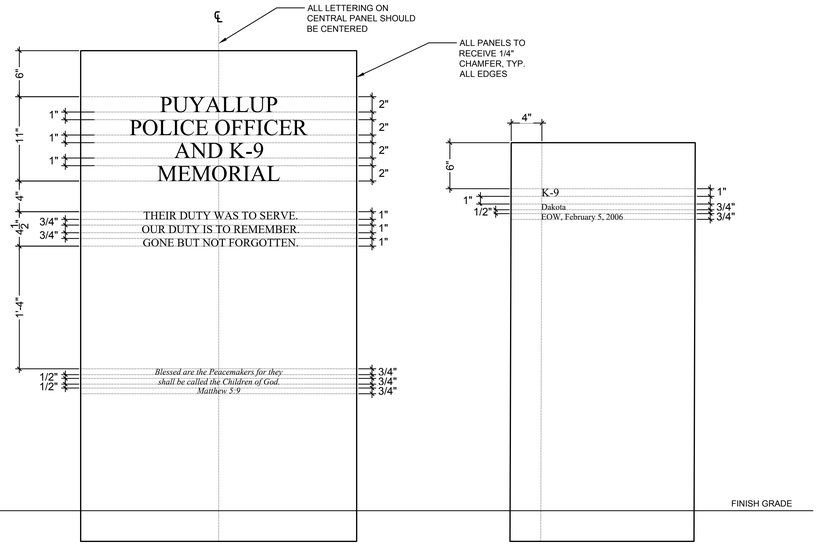
1 MEMORIAL AND ART PANEL - PLAN
ENLARGEMENT — 3/4" = 1'-0"

NOTES:

1. FOR ALL ENGRAVED INSCRIPTIONS, FONT TO BE TIMES NEW ROMAN. LETTER CAPITALIZATION AS SHOWN. TEXT FOR VERSE AT BOTTOM OF CENTRAL PANEL SHOULD BE ITALICIZED.
2. LETTER SIZE AND SPACING PER DETAIL. LETTERING TO BE INFILLED WITH SILVER LITHOPAINT, PER VENDOR.
3. CONFIRM ALL TEXT WITH OWNER.
4. PROVIDE MOCKUP FOR OWNER APPROVAL PRIOR TO COMMENCING WORK.



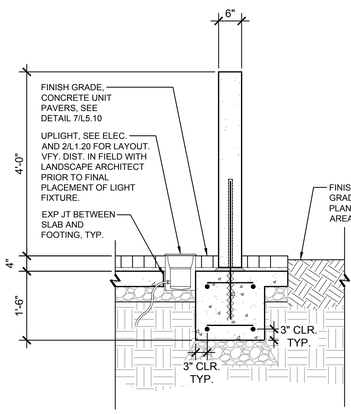
A MEMORIAL "SOUTH" SIDE PANEL



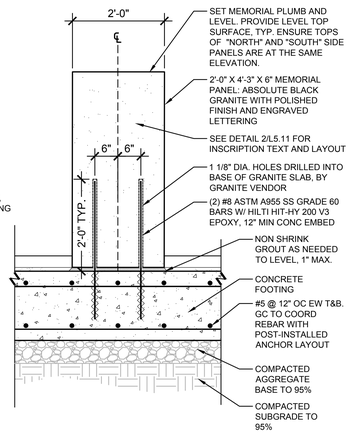
B MEMORIAL "CENTRAL" PANEL

C MEMORIAL "NORTH" SIDE PANEL

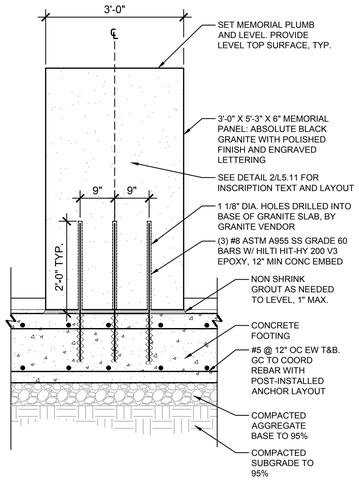
2 MEMORIAL - INSCRIPTIONS
ELEVATION — 1/8" = 1'-0"



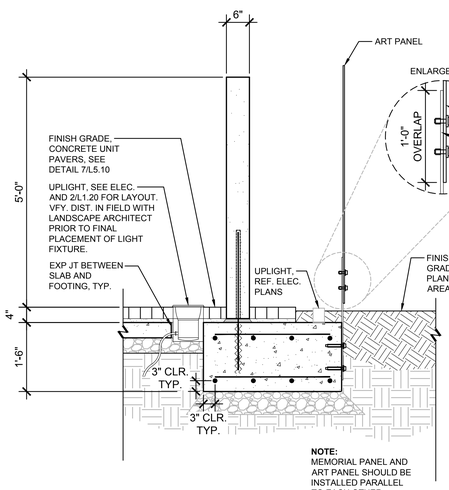
A MEMORIAL SIDE PANEL SECTION



B MEMORIAL SIDE PANEL SECTION

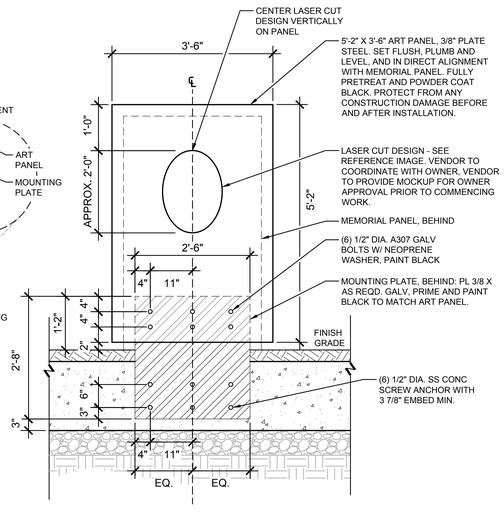


C MEMORIAL CENTRAL PANEL SECTION

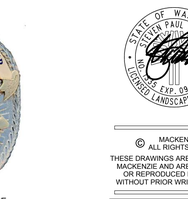


NOTE:
MEMORIAL PANEL AND ART PANEL SHOULD BE INSTALLED PARALLEL TO EACH OTHER.

D MEMORIAL CENTRAL PANEL SECTION



E ART PANEL ELEVATION



REFERENCE IMAGE

ADD 001
3 MEMORIAL AND ART PANEL - SECTIONS
1/16" = 1'-0"

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Planning ▪ Engineering

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	ADD 001	04/04/2025

SHEET TITLE:
DETAILS

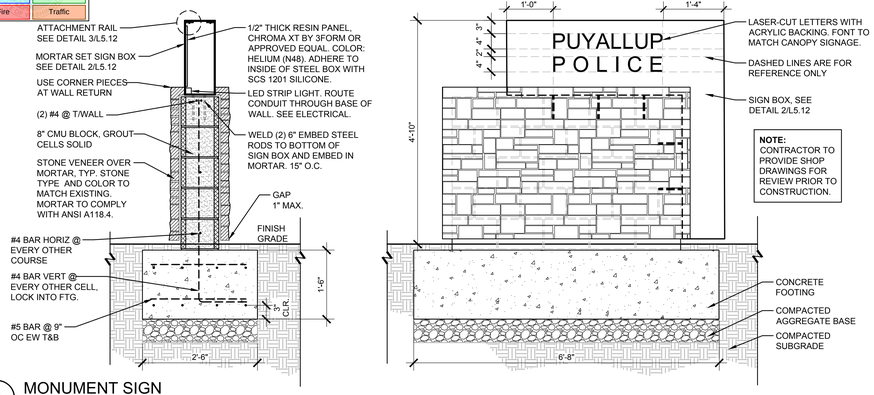
SHEET
L5.11

JOB NO. **2170269.07**

PERMIT / BID SET - MARCH 4, 2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

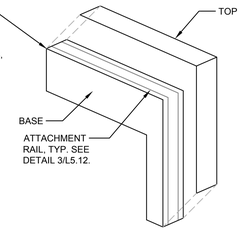


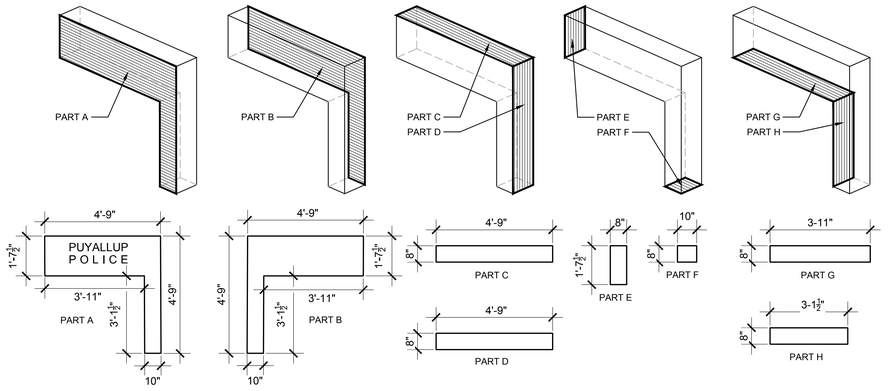
1 MONUMENT SIGN

3/4" = 1'-0"

SIGN BOX: 3/16" PLATE STEEL WITH LASER-CUT LETTERS AT FRONT SIDE

1. INTERNALLY WELD ALL PARTS TOGETHER TO FORM A BASE. PARTS C, D, TO BE WELDED SEPARATELY WITH CONTINUOUS INTERNAL WELD AND ATTACHED TO RAIL WITH SCREWS.
2. PROVIDE CONTINUOUS 2" ATTACHMENT RAIL WELDED TO THE INSIDE OF BOX, WITH PREDRILLED HOLES.
3. TOP SHOULD BE SECURED TO BASE USING TAMPER-PROOF METAL SCREWS @ 24" O.C. OR SIM. PROVIDE NEOPRENE GASKET ALONG ENTIRE LENGTH OF RAIL TO PREVENT WATER INGRESS.
4. FULLY PRETREAT AND POWDER COAT BLACK.
5. PROTECT FROM ANY CONSTRUCTION DAMAGE BEFORE AND AFTER INSTALLATION.





2 SIGN BOX

SCALE: NTS

3 ATTACHMENT RAIL DETAIL

SCALE: NTS

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Client

City of Puyallup

Project

Puyallup Public Safety Building

1015 39th Avenue SE,
Puyallup, WA, 98374

STATE OF WASHINGTON
SILVER PAUL
LICENSED LANDSCAPE ARCHITECT
LICENSE EXP. 09/17/2025

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SHEET

L5.12

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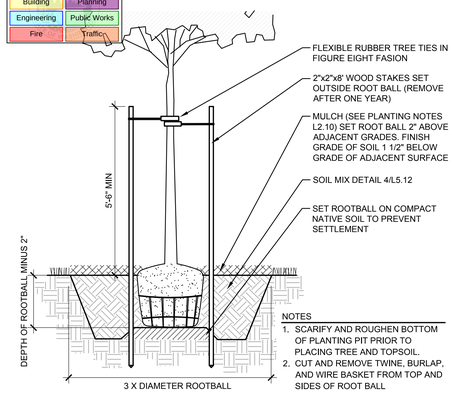
PERMIT / BID SET - MARCH 4, 2025

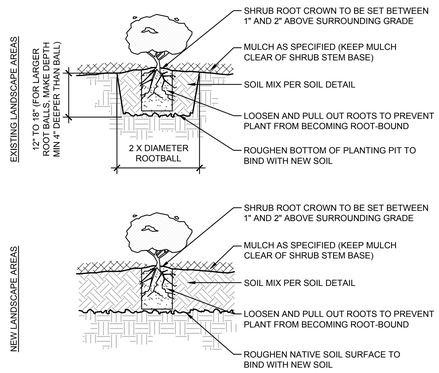
City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic



NOTES
1. SCARIFY AND ROUGHEN BOTTOM OF PLANTING PIT PRIOR TO PLACING TREE AND TOPSOIL.
2. CUT AND REMOVE TWINE, BURLAP, AND WIRE BASKET FROM TOP AND SIDES OF ROOT BALL

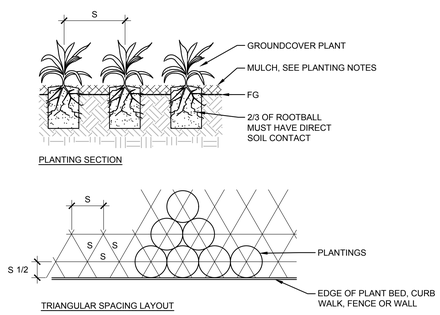
1 DECIDUOUS TREE PLANTING

SCALE: NTS



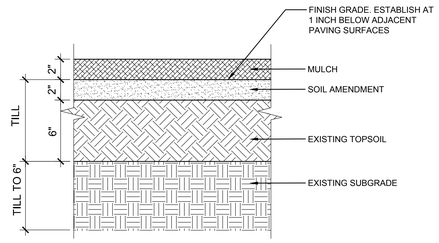
2 SHRUB PLANTING

SCALE: NTS



3 GROUNDCOVER PLANTING

SCALE: NTS

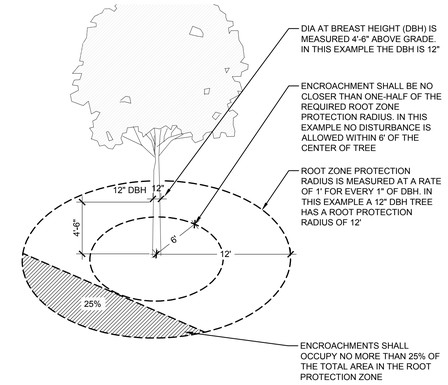


NOTES
1. REMOVE ALL ROCK, DEBRIS AND OTHER FOREIGN MATTER OVER 1" IN DIAMETER FROM TOP 12" OF SOIL.
2. TILL TOPSOIL AND SOIL AMENDMENTS TO A MIN. 12" DEPTH.
3. SUBMIT SAMPLE OF MULCH & TOPSOIL FOR ACCEPTANCE PRIOR TO PLACEMENT.

4 STANDARD SOIL PREPARATION

EXISTING TOPSOIL

SCALE: NTS



5 ROOT PROTECTION ZONE

SCALE: NTS

TREE PROTECTION MEASURES

UNLESS OTHERWISE INDICATED FOR REMOVAL ALL TREES SHALL RECEIVE PROTECTIVE MEASURES FOR THE DURATION OF THE PROJECT IN ACCORDANCE WITH THE CITY REQUIREMENTS.

6' HIGH MIN CHAIN-LINK FENCING, SHALL BE ERECTED AND MAINTAINED. FENCING SHALL BE INSTALLED AT ALL EXISTING TREES TO BE RETAINED WITHIN THE CONSTRUCTION AREA. IN AREAS WHERE ROOT ZONE ENCROACHMENT IS UNAVOIDABLE ADJUSTMENTS OF FENCING LOCATION SHALL BE COORDINATED WITH A CERTIFIED ARBORIST PRIOR TO START OF WORK.

NO ACTIVITY MAY BE CONDUCTED WITHIN ANY DESIGNATED TREE PROTECTION AREA INCLUDING BUT NOT LIMITED TO PARKING EQUIPMENT, PLACING SOLVENTS, STORING MATERIALS AND SOIL DEPOSITS, DUMPING CONCRETE WASHOUT, OR OTHER DEBRIS, OR ANY EXCAVATION OR COMPACTION WORK.

DURING CONSTRUCTION NO OBJECTS SHALL BE ATTACHED TO ANY TREE DESIGNATED TO BE RETAINED AND PROTECTED.

FENCE SHALL REMAIN IN PLACE UNTIL THE COMPLETION OF CONSTRUCTION ACTIVITIES. MOVEMENT OR REMOVAL OF THE FENCE REQUIRES APPROVAL BY THE ARBORIST AND/OR THE CITY'S AUTHORIZED REPRESENTATIVE.

EXCAVATION / TRENCHING AROUND TREES

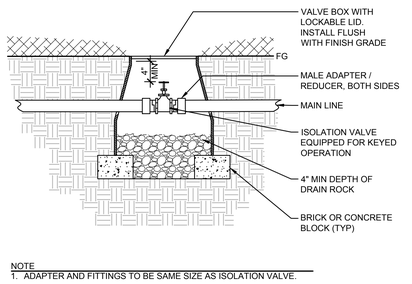
PROPOSED TRENCHING AND EXCAVATION AROUND TREES SHALL BE COORDINATED WITH CONSULTING ARBORIST.

WHERE TRENCHING IS REQUIRED WITHIN CRITICAL ROOT ZONE, TUNNEL UNDER OR AROUND ROOTS BY HAND DIGGING OR BORING. DO NOT CUT MAIN LATERAL ROOTS OR TAP ROOTS. CLEANLY CUT/SEVER SMALLER ROOTS. RELOCATE ROOTS IN BACKFILL AREAS WHEREVER POSSIBLE.

DO NOT ALLOW EXPOSED ROOTS TO DRY OUT BEFORE PERMANENT BACKFILL IS PLACED, PROVIDE TEMPORARY EARTH COVER, OR PACK WITH PEAT MOSS AND WRAP WITH BURLAP. WATER AND MAINTAIN IN MOIST CONDITION UNTIL RELOCATED AND COVERED WITH BACKFILL.

6 TREE PROTECTION

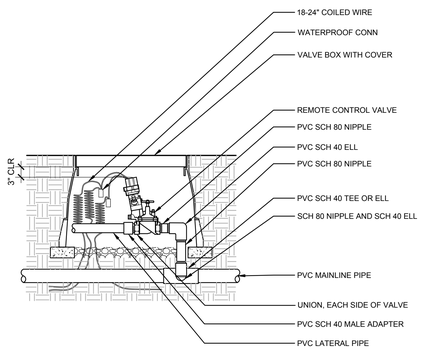
SCALE: NTS



NOTE
1. ADAPTER AND FITTINGS TO BE SAME SIZE AS ISOLATION VALVE.

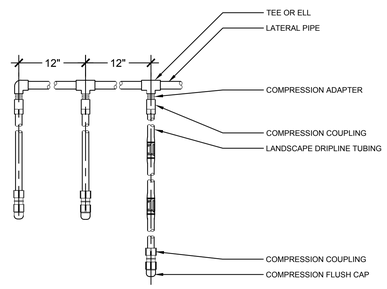
7 ISOLATION VALVE

SCALE: NTS



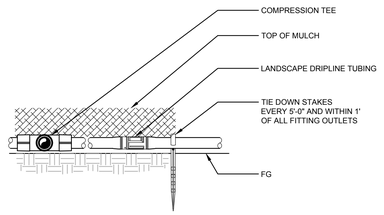
11 ELECTRIC REMOTE CONTROL VALVE

SCALE: NTS



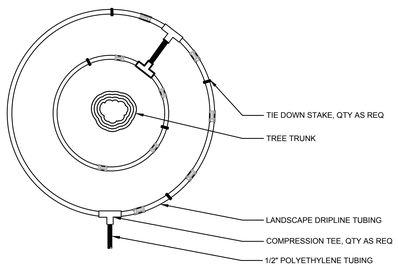
12 DRIPLINE LATERALS

SCALE: NTS



13 DRIPLINE ON GRADE

SCALE: NTS



14 DRIPLINE AROUND TREE

SCALE: NTS

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L5.13

JOB NO. **2170269.07**

PERMIT / BID SET - MARCH 4, 2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

STRUCTURAL GENERAL NOTES

DESIGN CRITERIA

1. GOVERNING BUILDING CODE: 2021 WASHINGTON STATE BUILDING CODE
2. RISK CATEGORY . . . . **IV**
3. LIVE
   CANOPY ROOF LIVE LOAD . . . . **20 PSF**
4. SNOW
   GROUND SNOW (Pg) . . . . **20 PSF**
   FLAT ROOF SNOW LOAD (Pf) . . . . **25 PSF**
   SLOPED ROOF SNOW (Ps) . . . . **25 PSF**
   IMPORTANCE FACTOR **1.2**
   (SNOW BUILD-UP IN ACCORDANCE W/ IBC)
5. RAIN
   RAIN INTENSITY (i) . . . . **2.0 IN/HR**
6. WIND
   BASIC WIND SPEED, 3 SECOND GUST (V) . . . . **108 MPH**
   EXPOSURE . . . . **C**
7. SEISMIC
   0.2 SEC. SPECTRAL RESPONSE ACCELERATION (Ss) **1.257**
   1.0 SEC. SPECTRAL RESPONSE ACCELERATION (S1) **0.434**
   DESIGN SPECTRAL ACCELERATION (SDS) **1.006**
   DESIGN SPECTRAL ACCELERATION (SD1) **0.434**
   SITE CLASSIFICATION . . . . **C**
   SEISMIC DESIGN CATEGORY . . . . **D**
   IMPORTANCE FACTOR **1.5**
   SEISMIC FORCE RESISTING SYSTEM (SFRS)
   CANOPY:
   STEEL SPECIAL CANTILEVER COLUMN
   R **2.5**
   DESIGN RESPONSE COEFFICIENT (Cs) **0.61**
   BASE SHEAR (V) . . . . **V=Cs * W**
   ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

GENERAL

1. THE PROJECT SPECIFICATIONS, DRAWINGS, STANDARD DETAILS, DETAILS IN THE DRAWINGS, AND THE STRUCTURAL NOTES ARE TO BE COMPLEMENTARY. IN THE CASE OF AN INCONSISTENCE NOT CLARIFIED BY THE DESIGNER OF RECORD THE MOST STRINGENT, HIGHEST QUALITY AND BEST QUALITY PROVISIONS SHALL BE PROVIDED.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE CONSTRUCTION. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES. DO NOT SCALE DRAWINGS; COORDINATE DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
3. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE LATEST EDITION OF THE INTERNATIONAL BUILDING CODE WITH AMENDMENTS.
4. SEE ARCHITECTURAL DRAWINGS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
   A. SIZE AND LOCATION OF ALL OPENINGS, EXCEPT AS NOTED.
   B. SIZE AND LOCATION OF ALL INTERIOR AND EXTERIOR NONBEARING WALLS
   C. SIZE AND LOCATION OF ALL CONCRETE CURBS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, CHANGES IN LEVEL, CHAMFERS, GROOVES, INSERTS, ETC.
   D. SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS, EXCEPT AS SHOWN.
   E. FLOOR AND ROOF FINISHES.
   F. STAIR FRAMING AND DETAILS, EXCEPT AS SHOWN.
   G. DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.
5. SEE CONSTRUCTION DOCUMENTS FOR THE FOLLOWING, INCLUDING BUT NOT LIMITED TO:
   A. PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL AND SLAB OPENINGS, ETC., EXCEPT AS SHOWN OR NOTED.
   B. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.
   C. CONCRETE INSERTS FOR FIXTURES.
   D. SIZE AND LOCATION OF MACHINE OR EQUIPMENT BASES, ANCHOR BOLTS FOR MOTOR MOUNTS.
   E. SEISMIC BRACING REQUIREMENTS.
6. METHODS, PROCEDURES, AND SEQUENCES OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN AND ENSURE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION.
7. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKERS AND VISITORS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR CONSTRUCTION LOADS, ETC. VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE AND DO NOT CONSTITUTE A REVIEW OF THE ABOVE ITEMS.
8. OPENINGS, POCKETS, ETC. SHALL NOT BE PLACED IN STRUCTURAL ELEMENTS UNLESS SPECIFICALLY DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER.
9. CONSTRUCTION LOAD (MATERIAL AND EQUIPMENT) SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/ OR BRACING WHERE STRUCTURES HAVE NOT ATTAINED DESIGN STRENGTH.
10. WHEN A DETAIL IS IDENTIFIED, THE CONTRACTOR SHALL APPLY THIS DETAIL IN ESTIMATING AND CONSTRUCTION TO EVERY LIKE CONDITION WHETHER OR NOT THE REFERENCE IS MADE IN EVERY INSTANCE.
11. ANY REFERENCES TO THE RECOMMENDATIONS, GUIDELINES, OR REQUIREMENTS IN NATIONAL PUBLICATIONS, SUCH AS BUT NOT LIMITED TO ASCE, ASTM, IBC, ACI, AISC, NDS, OR AWS, IN THE CONSTRUCTION DOCUMENTS SHALL BE FOLLOWED AS IF THEY ARE SPECIFICALLY MANDATED.

FOUNDATION

1. THE SUBSURFACE INFORMATION AND FOUNDATION DESIGN ARE BASED ON THE FOLLOWING GEOTECHNICAL RECOMMENDATIONS:
   LETTER PREPARED BY . . . . **GEOENGINEERS, INC.**
   DATED . . . . **NOVEMBER 19, 2024**
2. FOUNDATIONS FOR THE STRUCTURE HAVE BEEN DESIGNED USING THE FOLLOWING VALUES:
   LONG-DURATION GROSS ALLOWABLE SOIL BEARING PRESSURE . . . . **5,000 PSF**
   SHORT-DURATION GROSS ALLOWABLE SOIL BEARING PRESSURE . . . . **6,667 PSF**
3. THE CONTRACTOR SHALL PERFORM EXCAVATIONS, FOOTING CONSTRUCTION AND PREPARATION OF THE SUB GRADE UNDER THE SLAB ON GRADE IN ACCORDANCE WITH THE RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT AND THE PROJECT SPECIFICATIONS.
4. FOUNDATION CONDITIONS NOTED DURING CONSTRUCTION, WHICH DIFFER FROM THOSE DESCRIBED IN THE GEOTECHNICAL REPORT SHALL BE REPORTED TO THE STRUCTURAL ENGINEER AND/OR GEOTECHNICAL ENGINEER BEFORE FURTHER CONSTRUCTION IS ATTEMPTED.
5. CONTRACTOR SHALL PROVIDE DE-WATERING OF EXCAVATIONS FROM EITHER SURFACE, GROUND, OR SEEPAGE WATER.
6. ALL ABANDONED FOOTINGS, UTILITIES, ETC., THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REMOVED.
7. SITE PREPARATION, OVER-EXCAVATION / RECOMPACTION OF SOILS, AND THE INSTALLATION OF FOUNDATION AND WALL DRAINS AS REQD SHALL BE PERFORMED IN ACCORDANCE WITH RECOMMENDATIONS PRESENTED IN THE GEOTECHNICAL REPORT REFERENCED ABOVE.
8. CONTRACTOR SHALL PROVIDE FOR DESIGN AND INSTALLATION OF ALL CRIBBING, SHEATHING, AND SHORING REQUIRED TO SAFELY RETAIN THE EARTH BANKS.
9. MINIMUM FROST DEPTH FOR BOTTOM-OF-FOUNDATIONS . . . . **18" BELOW GRADE**
10. REFERENCE FOUNDATION PLANS FOR TOP OF FOOTING INFORMATION.
11. CONTRACTOR TO REVIEW ALL TOP AND BOTTOM FOOTING ELEVATIONS, SITE GRADING PLANS, UTILITIES AND EXISTING CONDITIONS. NOTIFY EOR OF ANY DISCREPANCIES PRIOR TO EXCAVATION AND FOUNDATION INSTALL.
12. CONTINUOUS FOOTINGS AT VARYING ELEVATIONS SHALL BE STEPPED PER TYPICAL DETAILS. SLOPING OF FOOTINGS IS PROHIBITED.
13. UTILITIES MAY NOT BE PLACED THROUGH OR BELOW FOUNDATION WITHOUT PRIOR APPROVAL BY THE EOR.
14. WHERE EXISTING FOUNDATIONS OCCUR, FOUNDATION ELEVATIONS ARE APPROXIMATE AND ARE BASED ON EXISTING INFORMATION PROVIDED. CONTRACTOR TO FIELD VERIFY AND NOTIFY EOR OF ANY DISCREPANCIES DISCOVERED.
15. PROVIDE PERIMETER FOUNDATION DRAINS IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.

MASONRY

1. MASONRY UNITS SHALL BE GRADE 'N' HOLLOW CONCRETE UNITS CONFORMING TO THE REQUIREMENTS OF ASTM C90.
2. ALL MASONRY ASSEMBLIES SHALL DEVELOP A MINIMUM 28-DAY COMPRESSIVE STRENGTH F'm AS FOLLOWS:
   EXTERIOR BEARING WALLS . . . . **2500 PSI**
   NON BEARING INTERIOR WALLS . . . . **1500 PSI**
3. MASONRY UNITS SHALL HAVE THE STRENGTHS SPECIFIED IN IBC SECTION 2105.1 & SHALL NOT BE INSTALLED PRIOR TO ATTAINING THE REQUIRED 28-DAY STRENGTH.
4. WALL THICKNESS SHALL BE AS SHOWN ON PLANS.
5. JUSTIFICATION FOR ASSEMBLY STRENGTH SHALL BE EITHER BY UNIT STRENGTH METHOD OR PRISM TEST METHOD AS DESCRIBED IN TMS 402/602-16.
6. MORTAR FOR REINFORCED MASONRY SHALL CONFORM ASTM C270.
7. MORTAR SHALL BE TYPE S.
8. MORTAR SHALL BE MIXED BY MECHANICAL MEANS AND PROPORTIONED BY ACCURATE MEASUREMENT ACCORDING TO IBC TABLE NO. 2103.2.3.
9. SHOVEL MEASUREMENT WILL NOT BE ALLOWED.
10. AGGREGATE FOR MASONRY MORTAR SHALL CONFORM TO ASTM C144.
11. GROUT AND SELF-CONSOLIDATING GROUT FOR REINFORCED MASONRY SHALL CONFORM TO ASTM C476, WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH, DETERMINED IN ACCORDANCE WITH ASTM C1019, OF F'm OR 2000 PSI WHICHEVER IS GREATER.
12. AGGREGATE FOR GROUT FOR MASONRY SHALL CONFORM TO ASTM C404.
13. CONSTRUCTION REQUIREMENTS AND QUALITY CONTROL FOR MASONRY SHALL COMPLY WITH IBC SECTIONS 2104 AND 2105.
14. ALL REINFORCING FOR MASONRY WALLS SHALL BE GRADE 60 CONFORMING TO ALL PROVISIONS OF THE CONCRETE REINFORCING SECTION.
15. PROVIDE HORIZONTAL BOND BEAMS AT 4'-0" OC WITH (2) #4 CONTINUOUS & (1) #4 AT 2'-8" OC VERT. AND SOLID GROUT, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
16. REINFORCEMENT PLACED IN BOND BEAMS SHALL BE LAPPED A MINIMUM OF (40) BAR DIAMETERS AT SPLICES. PROVIDE CORNER BARS OF EQUIVALENT SIZE LAPPED (36) BAR DIAMETERS AT CORNERS AND INTERSECTIONS OF WALLS, UNLESS NOTED OTHERWISE ON DRAWINGS.
17. EXCEPT AS OTHERWISE SHOWN, REINFORCE AROUND ALL OPNGS WITH:
   (2) #5 x OPNG WIDTH PLUS 4'-0" AT ABOVE AND BELOW OPNGS
   (1) #5 x OPNG HEIGHT PLUS 4'-0" AT EACH JAMB
18. IN CONCRETE ELEMENTS SUPPORTING MASONRY WALLS, EMBED DOWELS TO MATCH SIZE AND LOCATION OF VERTICAL MASONRY REINFORCEMENT. LAP DOWELS AND VERTICAL REINFORCEMENT (48) BAR DIAMETERS. PROVIDE BAR POSITIONERS FOR ALL VERTICAL REINFORCING.
19. PROTECT ALL MASONRY UNITS, STORED AND ERECTED AT JOB SITE, FROM THE ELEMENTS.
20. PROVIDE CONTROL JOINTS PER ARCH, OTHERWISE PLACE JOINTS AT 20'-0" OC MAX. SEE SHEET S0.11 FOR JOINT DETAIL.

CONCRETE

1. CONCRETE MIXES SHALL BE FULLY DOCUMENTED AND REVIEWED BY A QUALIFIED TESTING LABORATORY AND REVIEWED BY THE ENGINEER. REVIEW OF MIX SUBMITTALS BY THE ENGINEER OF RECORD INDICATES ONLY THAT THE INFORMATION PRESENTED CONFORMS GENERALLY WITH CONTRACT DOCUMENTS. CONTRACTOR OR SUPPLIER MAINTAINS FULL RESPONSIBILITY FOR SPECIFIED PERFORMANCE. MIX SUBMITTAL SHALL INCLUDE THE AMOUNTS OF CEMENT, CEMENTITIOUS MATERIAL, FINE AND COARSE AGGREGATE, WATER AND ADMIXTURES, AS WELL AS THE WATER-CEMENT RATIO, SLUMP, CONCRETE YIELD AND SUBSTANTIATING STRENGTH TEST DATA. SUBMIT TEST DATA ON EACH PROPOSED MIX FOR REVIEW IN ACCORDANCE WITH ACI 318 AND PROJECT SPECIFICATIONS. MIX SUBMITTED WITHOUT THE REQUIRED TEST DATA WILL BE RETURNED WITHOUT REVIEW.
2. AN INDEPENDENT TESTING AGENCY TO PERFORM FIELD QUALITY CONTROL TEST. PROVIDE FREE ACCESS TO CONCRETE OPERATIONS AT PROJECT SITE AND COOPERATE WITH APPOINTED FIRM. SUBMIT PROPOSED MIX DESIGN OF EACH CLASS OF CONCRETE TO INSPECTION AND TESTING FIRM FOR REVIEW PRIOR TO COMMENCEMENT OF CONCRETE OPERATIONS. COMPRESSIVE STRENGTH TESTS: ASTM C39/C39M. FOR EACH TEST, MOLD, AND CURE THREE CONCRETE TEST CYLINDERS. OBTAIN TEST SAMPLES FOR EVERY 100 CU YD OR LESS OF EACH CLASS OF CONCRETE PLACED. TAKE ONE ADDITIONAL THREE TEST CYLINDERS DURING COLD & HOT WEATHER CONCRETING AS DEFINED BY ACI 305 AND ACI 306, CURED ON JOB SITE UNDER SAME CONDITIONS AS CONCRETE IT REPRESENTS. PERFORM ONE SLUMP TEST FOR EACH SET OF TEST CYLINDERS TAKEN, FOLLOWING PROCEDURES OF ASTM C143/C143M. PERFORM ONE AIR CONTENT TEST FOR EACH SET OF COMPRESSIVE STRENGTH SPECIMENS, COMPLYING WITH ASTM C231.
3. PROVIDE CONSTRUCTION OR CONTRACTION JOINTS IN SLABS-ON-GRADE AS SHOWN IN TYPICAL DETAILS SO AS TO DIVIDE SLABS INTO APPROXIMATELY RECTANGULAR AREAS NOT OVER 225 SQUARE FEET WITH A RATIO OF LONG TO SHORT SIDES NOT OVER 1.5 AND SPACING NOT EXCEEDING 15'-0" ON CENTER. IN ADDITION, PROVIDE CONTRACTION JOINTS OFF OF ALL REENTRANT CORNERS TO INTERSECTION OF CONTROL JOINTS BEYOND. PROVIDE CONTRACTION JOINTS TO CONNECT OFFSET COLUMNS, PITS AND OTHER INTERRUPTIONS TO THE SLAB.
4. CONCRETE COVER PROTECTION FOR REINFORCEMENT BARS SHALL BE AS FOLLOWS:
   (SEE ACI 318-19 TABLE 20.5.1.3.1 FOR CONDITIONS NOT NOTED.)
   A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH . . . . **3"**
   B. CONCRETE EXPOSED TO EARTH OR WEATHER:
      BARS #6 AND LARGER . . . . **2"**
      BARS #5 AND SMALLER . . . . **1 1/2"**
   C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
      SLABS, WALLS, JOISTS - #11 BARS AND SMALLER . . . . **3/4"**
      BEAMS, COLUMNS - TIES, STIRRUPS, SPIRALS . . . . **1 1/2"**
5. FORMS FOR CONCRETE SHALL BE LAID OUT AND CONSTRUCTED TO PROVIDE FOR THE REQUIRED CAMBERS/SLOPES. DO NOT REMOVE FORMS OR BRACING UNTIL CONCRETE HAS GAINED THE SPECIFIED 28 DAY STRENGTH OR SUFFICIENT STRENGTH TO CARRY ITS OWN WEIGHT AND SUPERIMPOSED LOADS PER THE APPLICABLE PROVISIONS OF ACI 347.
6. MIXING, TRANSPORTING, AND PLACING OF CONCRETE SHALL CONFORM TO THE LATEST EDITION OF ACI 304R AND PROJECT SPECIFICATIONS. ALL CONCRETE SURFACES AGAINST WHICH CONCRETE IS TO BE PLACED SHALL BE THOROUGHLY CLEANED. LAITANCE AND STANDING WATER SHALL BE REMOVED.
7. CURE AND PROTECT CONCRETE IMMEDIATELY AFTER PLACEMENT IN ACCORDANCE WITH ACI 308, ACI 305, AND ACI 306. CURING COMPOUNDS USED ON CONCRETE THAT IS TO RECEIVE A RESILIENT TILE FINISH SHALL BE APPROVED BY THE TILE MANUFACTURER BEFORE USE.
8. WHERE INDICATED ON THE DRAWINGS, INTENTIONALLY ROUGHENED CONCRETE SHALL BE CLEAN AND FREE OF LAITANCE AND ROUGHENED TO A FULL AMPLITUDE OF 1/4".
9. GROUT SHALL BE NON-SHRINKABLE GROUT CONFORMING TO ASTM C1107 AND SHALL HAVE A SPECIFIED COMPRESSIVE STRENGTH AT 28 DAYS OF 5000 PSI. PRE-GROUTING OF BASE PLATES IS NOT PERMITTED.
10. ALL REINFORCING BARS, WELDED WIRE FABRIC, ANCHOR BOLTS, EMBEDDED PLATES AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE. PROVIDE STANDARD BAR CHAIRS AND SPACERS AS REQUIRED TO MAINTAIN CONCRETE PROTECTION SPECIFIED. "PULLING-UP" WELDED WIRE FABRIC WITH HOOKS DURING CONCRETE PLACEMENT IS NOT PERMITTED.
11. REINFORCING IN SHEAR WALLS, MOMENT FRAMES, BOUNDARY ELEMENTS, PIERS, COLUMNS AND COUPLING BEAMS (EXCLUDING STIRRUPS & CROSS TIES) SHALL CONFORM TO A706 OR MEET THE REQUIREMENTS OF ACI 318-19 20.2.2.5 FOR DUCTILITY OF A615 GRADE 60. REINFORCING BARS SHALL NOT BE TACK WELDED, WELDED, HEATED, OR CUT UNLESS INDICATED ON THE CONTRACT DOCUMENTS OR APPROVED BY THE STRUCTURAL ENGINEER.
    ALL OTHER REINFORCING SHALL BE AS FOLLOWS:
    #3 TO #18 (NON-WELDABLE). . . . . GRADE 60, ASTM A615
    #3 TO #18 (WELDABLE). . . . . GRADE 60, ASTM A706
    WELDED WIRE REINFORCEMENT. . . . . GRADE 70, DEFORMED, ASTM A1064
12. WELDING REINFORCEMENT BARS, WHEN APPROVED BY THE STRUCTURAL ENGINEER, SHALL CONFORM TO THE AMERICAN WELDING SOCIETY STANDARD D1.4, LATEST EDITION. E70XX ELECTRODES SHALL BE USED IN WELDING A706 REINFORCING BARS TO STRUCTURAL STEEL.
13. DETAILING OF CONCRETE REINFORCEMENT BARS AND ACCESSORIES SHALL CONFORM TO THE RECOMMENDATIONS OF THE LATEST EDITION OF THE ACI 315 DETAILING MANUAL.
14. AT LOCATIONS APPROVED FOR IN-SLAB PLACEMENT BY THE ENGINEER OF RECORD, CONDUIT OR PIPE SIZE (OD) SHALL NOT EXCEED 30 PERCENT OF SLAB THICKNESS AND SHALL BE PLACED BETWEEN TOP AND BOTTOM REINFORCING, UNLESS SPECIFICALLY DETAILED OTHERWISE. CONCENTRATION OF CONDUITS OR PIPES SHALL BE AVOIDED EXCEPT WHERE DETAILED OPNGS ARE PROVIDED. CONTRACTOR TO SUBMIT IN-SLAB CONDUIT LAYOUT PLAN TO THE ENGINEER OF RECORD FOR APPROVAL. ADDITIONAL REINFORCEMENT MAY BE REQUIRED AND RESTRICTIONS ON PLACEMENT MAY APPLY.
15. AT LOCATIONS APPROVED BY THE ENGINEER OF RECORD, PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPNGS IN CONCRETE BEFORE PLACING. CORING THROUGH CONCRETE IS NOT PERMITTED EXCEPT WHERE SHOWN. NOTIFY THE STRUCTURAL ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE DRAWINGS.
16. FOR CONCRETE MIX REQUIREMENTS SEE CONCRETE MIX DESIGN TABLE. ALTERNATIVE MIX DESIGNS ARE ACCEPTABLE PROVIDED IT IS STAMPED BY A REGISTERED PROFESSIONAL ENGINEER.
17. SEE OTHER DISCIPLINE DRAWINGS FOR CONCRETE REQUIREMENTS FOR NON-STRUCTURAL EXTERIOR CONCRETE (SIDEWALKS, APRONS, ETC).
18. RIGID CELLULAR POLYSTYRENE GEOFOAM FILL MAY BE USED IN LIEU OF ENGINEERED FILL BELOW CONCRETE SLABS ON GRADE AT GC OPTION. GEOFOAM MUST CONFORM TO ASTM D6817 AND MEET COMPRESSIVE STRENGTH PROPERTIES EQUAL OR GREATER THAN THAT OF EPS12.

CONCRETE MIX DESIGN

APPLICATION	f'c (PSI)	EXPOSURE CATEGORY PER ACI 318 TABLE 19.3.1.1	MAX W/CM RATIO
FOOTINGS, GRADE BEAMS, FND TIES, & EQUIPMENT PADS	3,000	F0	N/A
INTERIOR SLAB ON GRADE (SEE NOTE 7)	3,000	F0	0.5

NOTES:
1. CEMENT SHALL BE PORTLAND CEMENT TYPE I OR TYPE II AND CONFORM TO ASTM C150 OR BLENDED HYDRAULIC CEMENT TYPE IL AND CONFORM TO ASTM C595.
2. AGGREGATE FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C33. AGGREGATE FOR LIGHTWEIGHT CONCRETE SHALL CONFORM TO ASTM C330. MINIMUM COARSE AGGREGATE SIZE IS 1/2 INCH AND A MAXIMUM COARSE AGGREGATE SIZE PER ACI 318-19 SECTION 26.4.2.1(a)(5). USE AGGREGATES WITH A NOMINAL MAXIMUM SIZE OF 1 1/2" FOR SLABS ON GRADE.
3. ADMIXTURES TO BE INCLUDED IN MIX TEST DATA FOR APPROVAL. ADMIXTURES USED TO INCREASE THE WORKABILITY OF THE CONCRETE SHALL NOT BE CONSIDERED TO REDUCE THE SPECIFIED MINIMUM CEMENT CONTENT. CALCIUM CHLORIDE SHALL NOT BE USED.
4. CONCRETE SLUMP SHALL BE 4 INCHES +/- 1 INCH. EXCEPTION: MIX DESIGNED WITH PLASTICISER OR WATER REDUCER.
5. MAXIMUM WEIGHT OF NORMAL-WEIGHT CONCRETE SHALL BE 150 PCF AND MAXIMUM WEIGHT OF LIGHT-WEIGHT CONCRETE SHALL BE 115 PCF.
6. FOR CONCRETE IN EXPOSURE CATEGORIES F1,F2, OR F3, AIR CONTENT SHALL MEET THE REQUIREMENTS OF ACI 318-19 TABLE 19.3.3.1. CEMENTITIOUS MATERIALS FOR CONCRETE ASSIGNED TO EXPOSURE CLASS F3 SHALL BE LIMITED PER ACI 318 TABLE 26.4.2.2.(b)
7. ADDITIONAL REQUIREMENTS FOR SLAB-ON-GRADE AND CONCRETE OVER METAL DECK MIX:
   A. COARSENESS FACTOR OF 70% +/- 5%.
   B. TYPE II CEMENT MAXIMUM WEIGHTS PER CUBIC YARD: 520 LB FOR F'C ≤ 3,000 PSI, 570 LB MAX FOR F'C ≤ 4500 PSI
   C. 4" MAX SLUMP W/O ADMIXTURE. WITH AN ADMIXTURE, SLUMP MAY BE INCREASED PROVIDED THE STRENGTH AND SLUMP WITH THE ADMIXTURE IS INCLUDED IN TEST DATA.
   D. WHERE ALTERNATIVE MIX DESIGN IS DESIRED, SEE CONCRETE NOTE 16.

METAL DECK

1. METAL DECK SHALL CONFORM TO THE SPECIFICATIONS OF THE STEEL DECK INSTITUTE, LATEST EDITION WITH AMENDMENTS.
2. COMPOSITE FLOOR DECK SHALL BE VERCO TYPE W3 FORMLOCK, OR APPROVED EQUIVALENT, UNLESS NOTED OTHERWISE. SEE PLANS FOR TOTAL SLAB DEPTH REQUIRED.
3. UNLESS NOTED OTHERWISE IN DRAWINGS, ROOF NON-COMPOSITE DECK SHALL BE VERCO TYPE PLB36 OR APPROVED EQUAL. USE VSC SIDE LAPS 2'-0" OC UNLESS OTHERWISE NOTED. PRE- APPROVED PROPRIETARY PUNCHES CAN BE USED PER THE SPECIFICATION.
4. UNLESS NOTED OTHERWISE ON PLAN, CONNECT DECKING TO SUPPORTING MEMBERS WITH 1/2" EFFECTIVE DIAMETER PUDDLE (FUSION) WELDS SPACED AT 12" ON CENTER. USE WELD WASHERS ONLY IF RECOMMENDED BY MANUFACTURER. WELDED SHEAR STUDS ARE ACCEPTABLE IN LIEU OF PUDDLE WELDS.
5. WELDERS SHALL BE AWS-CERTIFIED FOR LIGHT-GAGE WELDING.
6. LAYOUT DECK SPANS TO PROVIDE A MINIMUM OF (2) SPANS PER LENGTH OF DECK.
7. CONDUIT IS NOT PERMITTED IN COMPOSITE SLAB ON METAL DECK WITHOUT WRITTEN APPROVAL FROM THE ENGINEER OF RECORD.

LIGHT GAGE STEEL FRAMING

1. LIGHT-GAGE STEEL SHALL CONFORM TO:
   A. ASTM A 653 SS GRADE 50, CLASS 1 OR CLASS 3 (Fy = 50 KSI) FOR 54 MIL THROUGH 97 MIL THICKNESS.
   B. ASTM A 653 SS GRADE 33 (Fy = 33 KSI) FOR 18 MIL THROUGH 43 MIL THICKNESS.
2. ALL FABRICATION, ERECTION, AND IDENTIFICATION OF LIGHT-GAGE STEEL FRAMING SHALL CONFORM TO IBC SECTIONS 2210 AND 2211 AND AISI SPECIFICATIONS.
3. PROVIDE ALL ACCESSORIES INCLUDING, BUT NOT LIMITED TO, TRACKS, CLIPS, WEB STIFFENERS, ANCHORS, FASTENING DEVICES AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE AND PROPER INSTALLATION.
4. INSTALL BRIDGING/BLOCKING IN LIGHT-GAGE STEEL STUD WALLS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND AS SHOWN IN THE DRAWINGS.
5. WELD LIGHT-GAGE STEEL FRAMING CONNECTIONS, EXCEPT WHERE SELF- DRILLING SCREWS ARE SPECIFIED.
6. WELDS SHALL CONFORM TO AWS SPECIFICATIONS. WELDERS SHALL BE CERTIFIED FOR LIGHT-GAGE STEEL UNDER AWS SPECIFICATIONS.
7. DESIGNATIONS OF COLD-FORMED, LIGHT-GAGE STEEL SHAPES REFER TO THOSE DESCRIBED IN ICC-ES EVALUATION REPORT ESR-3064P OF THE METAL STUD MANUFACTURERS' ASSOCIATION.
8. SHEET METAL SCREWS SHALL BE OF THE MAKE SPECIFIED IN THE DRAWINGS OR, WHERE NO SPECIFIC MAKE IS GIVEN, SHALL BE RATED BY THEIR MANUFACTURER AS POSSESSING DESIGN LOAD CAPACITIES IN SHEAR AND TENSION AT LEAST EQUAL TO THOSE PUBLISHED IN STEEL STUD MANUFACTURERS ASSOCIATION PRODUCT TECHNICAL GUIDE (ICC ESR #3064P).
9. FOR EXTERIOR STUDS SEE DETAILS AT PERIMETER. FOR NON-BEARING INTERIOR STUDS SEE ARCH.
10. SHEET METAL SCREWS SHALL HAVE A MINIMUM CENTER-OF-SCREW TO EDGE-OF-STEEL DIMENSION OF 1.5 TIMES THE NOMINAL DIAMETER OF THE SCREW. WHERE MULTIPLE FASTENERS ARE USED IN A CONNECTION, THE MINIMUM CENTER-TO-CENTER SPACING OF SCREWS SHALL BE 3 TIMES THE NOMINAL DIAMETER OF THE SCREW.

STRUCTURAL STEEL

1. ALL W-SECTION SHAPES SHALL CONFORM TO ASTM A992. CHANNEL SHAPES, ANGLES, AND PLATES SHALL CONFORM TO ASTM A36. (UNLESS OTHERWISE NOTED ON THE DRAWINGS).
2. STRUCTURAL STEEL PIPE SHALL CONFORM TO ASTM A53, GRADE B (Fy = 35 KSI). MILL TEST REPORTS FOR STEEL PIPE SHALL BE SUBMITTED FOR APPROVAL.
3. HOLLOW STRUCTURAL SECTIONS SHALL CONFORM TO ASTM A500, GRADE C (Fy = 50 KSI RECTANGULAR, Fy = 46 KSI ROUND).
4. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 GR 36, UNLESS NOTED OTHERWISE.
5. STRUCTURAL STEEL DETAILING, FABRICATION AND ERECTION SHALL CONFORM TO THE LATEST EDITION OF AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" WITH AMENDMENTS, AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" WITH AMENDMENTS.
6. BUCKLING-RESTRAINED BRACED FRAMES SHALL CONFORM TO THE REQUIREMENTS OF AISC 341, SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS AS WELL AS THE DESIGN PARAMETERS SET FORTH IN THE DRAWINGS. STRUCTURAL CALCULATIONS AND DETAILS FOR THE BUCKLING-RESTRAINED BRACED FRAME CONNECTIONS SHALL BE PROVIDED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF THE PROJECT TO ARCHITECT/ENGINEER BEFORE SUBMITTING TO JURISDICTION FOR REVIEW AND PERMITTING.
7. BOLTS 3/4"Ø AND GREATER TO BE F3125, TYPE 1 (TWIST - OFF TENSION CONTROL BOLTS) WITH THREADS INCLUDED IN SHEAR PLANE, INSTALLED PER SECTION 8 OF THE SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS, LATEST EDITION WITH AMENDMENTS. FOR BOLTS INDICATED AS SLIP CRITICAL ON THE DRAWING MINIMUM PRETENSION AS STATED IN TABLE 8.1 AND INSPECTED PER SECTION 9 OF THE SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS, LATEST EDITION WITH AMENDMENTS. FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS. PROVIDE ASTM A490 BOLTS OR ASTM F2280 TWIST-OFF TENSION CONTROL BOLTS WHERE ASTM A1064 GR 70 BOLTS ARE INDICATED ON PLANS OR DETAILS. BOLTS NOTED AS TYPE SC (SLIP-CRITICAL) IN DETAILS SHALL BE INSTALLED AS SLIP-CRITICAL WITH FAYING SURFACES PREPARED AS CLASS A SURFACE PER AISC 360. FOR BOLTS LESS THAN 3/4"Ø USE A307. FOR BOLTS NOT INDICATED AS SLIP CRITICAL SNUG TIGHT CONNECTIONS ARE ACCEPTABLE.
8. SPLICING OF STRUCTURAL STEEL MEMBERS WHERE NOT DETAILED ON THE CONTRACT DOCUMENTS IS PROHIBITED WITHOUT THE PRIOR APPROVAL OF THE STRUCTURAL ENGINEER AS TO LOCATION, TYPE OF SPLICE AND CONNECTION TO BE MADE.
9. HEADED SHEAR CONNECTORS STUDS ON COMPOSITE STEEL BEAMS SHALL BE UNIFORMLY SPACED UNLESS NOTED OTHERWISE DO NOT USE MORE THAN ONE STUD PER RIB WHERE THE NUMBER OF STUDS REQUIRED IS LESS THAN OR EQUAL TO THE NUMBER OF RIBS AVAILABLE. WHERE MORE STUDS ARE SPECIFIED THAN THERE ARE DECKING RIBS AVAILABLE, PLACE A MINIMUM OF ONE STUD PER RIB FULL LENGTH OF THE BEAM, AND THEN PLACE REMAINING STUDS IN EACH RIB BEGINNING AT THE SUPPORTS AND MOVING TOWARDS THE MID-SPAN UNTIL REQUIRED NUMBER OF STUDS IS SUPPLIED. FOR MULTIPLE STUDS TRANSVERSE TO THE LONGITUDINAL AXIS OF THE BEAM. THE MINIMUM STUD SPACING TO BE 3" OC AND 1" MINIMUM CLEAR FROM THE FLANGE EDGE. SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO THE INSTALLATION OF THE HEADED STUDS. PROVIDE STUDS AT 12" OC IF NOT SHOWN ON PLAN.
10. HEADED CONCRETE ANCHORS SHALL BE NELSON HEADED CONCRETE ANCHORS (OR APPROVED EQUAL), AND SHALL CONFORM TO ASTM A1064. ANCHORS SHALL BE AUTOMATICALLY END WELDED WITH SUITABLE STUD WELDING EQUIPMENT IN THE SHOP OR IN THE FIELD. WELDING SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE NELSON STUD WELDING COMPANY.
11. DEFORMED BAR ANCHORS (DBA) SHALL BE NELSON DEFORMED BAR ANCHORS (OR APPROVED EQUAL), AND SHALL BE MADE FROM LOW CARBON STEEL CONFORMING TO ASTM A496. ANCHORS SHALL BE AUTOMATICALLY END- WELDED WITH SUITABLE WELDING EQUIPMENT IN THE SHOP OR IN THE FIELD. WELDING SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE NELSON STUD WELDING COMPANY.
12. WELDS USED IN MEMBERS & CONNECTIONS DESIGNATED IN THE DRAWINGS AS SEISMIC FORCE RESISTING SYSTEM (SFRS) SHALL BE MADE WITH FILLER METALS MEETING THE REQUIREMENTS IN AWS D1.8 SECTION 6.3 (AISC341 SECTIONS A3.4a&b). WELDS USED IN MEMBERS & CONNECTIONS DESIGNATED IN THE DRAWINGS AS DEMAND CRITICAL (DC) SHALL BE MADE WITH FILLER METALS MEETING THE REQUIREMENTS IN AWS D1.8 SECTION 6.3, INCLUDING SUB-CLAUSES 6.3.5, 6.3.6, 6.3.7, & 6.3.8
13. SUBMIT A WELDING PROCEDURE IN ACCORDANCE WITH LATEST EDITION OF AWS D1.1. WHERE WELDS ARE FOR MEMBERS DESIGNATED PART OF THE SFRS OR LABELED DEMAND CRITICAL, WELDING PROCEDURES SHALL CONFORM TO AWS D1.8 AND MANUFACTURER'S RECOMMENDATIONS (WHERE APPLICABLE). APPROVED PROCEDURES TO BE SUBMITTED TO SPECIAL INSPECTOR FOR REVIEW AND APPROVAL THEN TO THE ENGINEER FOR REVIEW.
14. WELDS SHALL CONFORM TO AWS SPECIFICATIONS. WELDERS SHALL BE CERTIFIED UNDER AWS SPECIFICATIONS. E70xx ELECTRODES SHALL BE USED FOR ALL WELDS.
15. WELDS INDICATED ON DRAWINGS AS FIELD/SHOP WELDS INDICATE DESIGN INTENT ONLY, AND FIELD/SHOP WELDS ARE INTERCHANGEABLE AT CONTRACTOR'S OPTION. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING ALL WELDS AND DETERMINING WHICH WELDS WILL BE FIELD/SHOP WELDS BASED ON SEQUENCING AND CONSTRUCTABILITY AND INCLUDED IN PROJECT COST.
16. SEE FRAME TYP DETAILS (SEE COMMENTS ON S0.1A) FOR LOCATION OF PROTECTED ZONES FOR LATERAL RESISTIVE FRAMES. NO CONNECTIONS OR ATTACHMENTS ARE PERMITTED WITHIN PROTECTED ZONES.
17. LOWEST ANTICIPATED SERVICE TEMPERATURE (LAST) SHALL BE 50° F FOR INDOOR CONDITIONED STRUCTURES & 0° F FOR OUTDOOR/UNCONDITIONED STRUCTURES
18. ALL EXTERIOR STEEL TO BE GALVANIZED. PLUG GALV HOLES W/ ALUMINUM PLUGS.

POST-INSTALLED ANCHORS

1. POST-INSTALLED ANCHOR SYSTEMS SHALL COMPLY WITH THE LATEST REVISION OF ICC-ES ACCEPTANCE CRITERIA AND HAVE A VALID ICC-ES REPORT (OR APPROVED EQUIVALENT) IN ACCORDANCE WITH THE APPLICABLE BUILDING CODE.
2. UNLESS OTHERWISE NOTED ON THE DRAWINGS USE ANCHORS LISTED BELOW:
   - EXPANSION ANCHORS IN CONCRETE SHALL BE ONE OF THE FOLLOWING:
     - HILTI HSL-3 CARBON STEEL HEAVY DUTY EXPANSION ANCHOR (ICC-ES REPORT ESR-1545)
     - HILTI HDA CARBON AND STAINLESS STEEL UNDERCUT ANCHOR (ICC-ES REPORT ESR-1546)
     - HILTI KWIK BOLT TZ CARBON AND STAINLESS STEEL ANCHORS (ICC-ES REPORT ESR-1917)
     - DeWALT POWER-STUD+SD2 ANCHOR (ICC-ES REPORT ESR-2502)
     - SIMPSON STRONG-TIE STRONG-BOLT 2 ANCHOR (ICC-ES REPORT ESR-3037)
   - ADHESIVE ANCHORS IN CONCRETE SHALL BE ONE OF THE FOLLOWING:
     - HILTI HIT-RE 500 V3 ADHESIVE ANCHOR (ICC-ES REPORT ESR-3814)
     - HILTI HIT-HY 200 V3 ADHESIVE ANCHOR (ICC-ES REPORT ESR-4868)
     - DeWALT PURE 110+ EPOXY ADHESIVE ANCHOR (ICC-ES REPORT ESR-3298)
     - DeWALT AC200+ ADHESIVE ANCHOR (ICC-ES REPORT ESR-4027)
     - SIMPSON STRONG-TIE SET-3G EPOXY ADHESIVE ANCHOR (ICC ES REPORT ESR-4057)
     - SIMPSON STRONG-TIE AT-3G EPOXY ADHESIVE ANCHOR (ICC ES REPORT ESR-5206)
   - SCREW ANCHORS IN CONCRETE SHALL BE ONE OF THE FOLLOWING:
     - DeWALT SCREW-BOLT+ SCREW ANCHOR (ICC-ES REPORT ESR-3889)
     - HILTI KWIK HUS-EZ SCREW ANCHOR (ICC-ES REPORT ESR-3027)
     - SIMPSON STRONG-TIE TITEN HD SCREW ANCHOR (ICC-ES REPORT ESR-2713)
   - ANCHORS IN CONCRETE OVER STEEL DECK SHALL BE ONE OF THE FOLLOWING:
     - HILTI KWIK BOLT TZ CARBON AND STAINLESS STEEL ANCHORS (ICC-ES REPORT ESR-1917)
     - HILTI HIT-RE 500 V3 ADHESIVE ANCHORS (ICC-ES REPORT ESR-3814)
     - DeWALT POWER-STUD+SD2 EXPANSION ANCHOR (ICC-ES REPORT ESR-2502)
     - DeWALT POWER-STUD+SD1 EXPANSION ANCHOR (ISS-ES REPORT ESR-2818)
     - DeWALT SCREW-BOLT+ SCREW ANCHOR (ICC-ES REPORT ESR-3889)
     - SIMPSON STRONG-TIE STRONG-BOLT 2 WEDGE ANCHOR (ICC-ES REPORT ESR-3037)
     - SIMPSON STRONG-TIE TITEN HD SCREW ANCHOR (ICC-ES REPORT ESR-2713)
   - EXPANSION ANCHORS IN MASONRY SHALL BE ONE OF THE FOLLOWING:
     - HILTI KWIK BOLT 1 (KB 1) ANCHORS (IAPMO UES ER-677)
     - DeWALT POWER-STUD+SD1 (ICC-ES ESR-2966)
     - SIMPSON STRONG-TIE STRONG-BOLT 2 WEDGE ANCHOR (IAPMO UES ER-240)
   - ADHESIVE ANCHORS IN MASONRY SHALL BE ONE OF THE FOLLOWING:
     - HILTI HIT-HY 270 ADHESIVE ANCHOR (ICC-ES REPORT ESR 4143 & 4144)
     - DeWALT AC100+ GOLD ADHESIVE ANCHOR (ICC-ES REPORT ESR-2582 FOR CMU & ICC-ES REPORT ESR-4105 FOR UNREINFORCED MASONRY)
     - SIMPSON STRONG-TIE SET-3G EPOXY ADHESIVE ANCHOR (ICC ES REPORT ESR-4844)
   - SIMPSON STRONG-TIE ET-3G EPOXY ADHESIVE ANCHOR (ICC ES REPORT ESR-5309)
   - SCREW ANCHORS IN MASONRY SHALL BE ONE OF THE FOLLOWING:
     - HILTI KWIK HUS-EZ SCREW ANCHOR (ICC-ES REPORT ESR-3056)
     - DeWALT SCREW-BOLT+ SCREW ANCHOR (ICC-ES REPORT ESR-4042)
     - SIMPSON STRONG-TIE TITEN HD SCREW ANCHOR (ICC-ES REPORT ESR-1056)
3. ANCHORS INSTALLED IN THE BOTTOM OF CONCRETE OVER STEEL DECK SHALL BE INSTALLED IN THE BOTTOM FLUTE ONLY.
4. ANCHORS ARE NOT TO BE INSTALLED UNTIL CONCRETE HAS REACHED ITS DESIGN STRENGTH. ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE HAVING A MIMINUM AGE OF 21 DAYS.
5. FOR ANCHOR EMBEDMENT, SEE DRAWINGS OR TYPICAL DETAIL. USE EMBEDMENT RECOMMENDED BY MANUFACTURER WHERE NO EMBEDMENT IS SHOWN.
6. MANUFACTURER'S INSTALLATION TRAINING AND CERTIFICATION IS REQUIRED ON ALL POST-INSTALLED ANCHORS FOR ANCHOR INSTALLER.
7. CONTRACTOR TO COORDINATE ANCHOR AND REINFORCING CONFLICTS. IT IS UNACCEPTABLE TO CUT REBAR FOR POST INSTALLED ANCHORS WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD.

SPECIAL INSPECTION

IN ACCORDANCE WITH IBC CHAPTER 17, THE FOLLOWING TYPES OF WORK REQUIRE SPECIAL INSPECTION. SEE THE SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL REQUIREMENTS FOR INSPECTION AND TESTING. SPECIAL INSPECTION SHALL BE PAID FOR AND PROVIDED BY THE OWNER.

MATERIAL/TASK	FREQUENCY: CONTINUOUS	FREQUENCY: PERIODIC	RESPONSIBLE FIRM
EARTHWORK			
GRADING, EXCAVATING, & FILL	INSP	-	GEOTECH OF RECORD
FILL MATERIAL	-	TEST	GEOTECH OF RECORD
SOIL COMPACTION	-	TEST	GEOTECH OF RECORD
CAST-IN-PLACE CONCRETE			
REINFORCING STEEL, INCLUDING PRESTRESSING STEEL, AND PLACEMENT	-	INSP	SPECIAL INSPECTOR
USE OF REQUIRED CONCRETE DESIGN MIX	-	INSP	SPECIAL INSPECTOR
SHAPE, LOCATION, & DIMENSIONS OF CONCRETE MEMBER	-	INSP	SPECIAL INSPECTOR
BOLTS INSTALLED IN CONCRETE	-	INSP	SPECIAL INSPECTOR
REINFORCED CONCRETE PLACEMENT	INSP	-	SPECIAL INSPECTOR
ADHESIVE ANCHORS	INSP	-	SPECIAL INSPECTOR
STRUCTURAL STEEL, STEEL DECK, & PRECAST CONCRETE			
EXPANSION ANCHORS	-	INSP	SPECIAL INSPECTOR
SPECIFIED CURING TECHNIQUES	-	INSP	SPECIAL INSPECTOR
CONCRETE MATERIALS	-	TEST	TESTING LAB
SHOP FABRICATION	-	-	NOTE 1
SHOP WELDING	-	-	NOTE 1
STEEL FRAME FOR CONFORMANCE WITH CONSTRUCTION DOCUMENTS	-	INSP	SPECIAL INSPECTOR
FIELD WELDED CONNECTIONS			
SINGLE-PASS FILLET WELDS EQUAL TO OR LESS THAN 5/16"	-	INSP	SPECIAL INSPECTOR
SINGLE-PASS FILLET WELDS GREATER THAN 5/16"	INSP	-	SPECIAL INSPECTOR
MULTI-PASS FILLET WELDS	INSP	-	SPECIAL INSPECTOR
PJP GROOVE WELDS	INSP	-	SPECIAL INSPECTOR
CJP GROOVE WELDS: BEFORE	-	INSP	SPECIAL INSPECTOR
CJP GROOVE WELDS: DURING	INSP	-	TESTING LAB
CJP GROOVE WELDS: AFTER	-	TEST	TESTING LAB
DECK WELDS	-	INSP	SPECIAL INSPECTOR
WELDING OF REINFORCING STEEL	INSP	-	NOTE 2
HEADED STUDS	-	TEST	SPECIAL INSPECTOR
	-	TEST	SPECIAL INSPECTOR
HIGH-STRENGTH BOLT INSTALLATION (BEARING TYPE)	-	INSP	SPECIAL INSPECTOR
	-	TEST	TESTING LAB
HIGH-STRENGTH BOLT INSTALLATION (SLIP-CRITICAL)	-	INSP	SPECIAL INSPECTOR
	-	TEST	TESTING LAB
ERECTION OF PRECAST CONCRETE MEMBERS	-	INSP	SPECIAL INSPECTOR
STRUCTURAL WOOD FRAMING			
ALL SUB-PURLIN HANGERS	-	INSP	SPECIAL INSPECTOR
LATERAL FORCE RESISTING MEMBERS			
NAILING ≤ 4" OC & STRAPPING OF SHEARWALLS, DIAPHRAGMS, & TOP CHORDS	-	INSP	SPECIAL INSPECTOR
NAILING, BOLTING, ANCHORING, & FASTENING OF OTHER ELEMENTS	-	INSP	SPECIAL INSPECTOR
GANG NAIL TRUSSES W/ SPAN > 60': MEMBER RESTRAINT BRACING INSTALLATION	-	INSP	SPECIAL INSPECTOR
MASS TIMBER CONSTRUCTION (CLT, MMP, GLT)			
ANCHORAGE AND CONNECTIONS OF MASS TIMBER CONSTRUCTION TO TIMBER DEEP FOUNDATION SYSTEMS	-	INSP	SPECIAL INSPECTOR
ERECTION OF MASS TIMBER CONSTRUCTION	-	INSP	SPECIAL INSPECTOR
CONNECTIONS WHERE INSTALLATION METHODS ARE REQUIRED TO MEET DESIGN LOADS			
THREADED FASTENERS: PROPER INSTALLATION EQUIPMENT	-	INSP	SPECIAL INSPECTOR
THREADED FASTENERS: PRE-DRILLED HOLES WHERE REQUIRED	-	INSP	SPECIAL INSPECTOR
THREADED FASTENERS: SCREWS, INCLUDING DIA, LENGTH, HEAD TYPE, SPACING, INSTALLATION ANGLE AND DEPTH	-	INSP	SPECIAL INSPECTOR
ADHESIVE ANCHORS INSTALLED IN HORIZONTAL OR UPWARDLY INCLINED ORIENTATION TO RESIST SUSTAINED TENSION LOADS	INSP	-	SPECIAL INSPECTOR
ADHESIVE ANCHORS NOT DEFINED IN PRECEDING CELL	-	INSP	SPECIAL INSPECTOR
BOLTED CONNECTIONS	-	INSP	SPECIAL INSPECTOR
CONCEALED CONNECTIONS	-	INSP	SPECIAL INSPECTOR
NAILING/SCREWS OF SPLINE, STRAPPING, & HOLD DOWNS OF PANELS	-	INSP	SPECIAL INSPECTOR
STRUCTURAL MASONRY			
CONSTRUCTION OF MORTAR JOINTS	-	INSP	SPECIAL INSPECTOR
GROUT SPACE PREPARATION	-	INSP	SPECIAL INSPECTOR
TYPE, SIZE, & LOCATION OF REINF & ANCHORAGES	-	INSP	SPECIAL INSPECTOR
PLACEMENT OF GROUT	-	INSP	SPECIAL INSPECTOR
COLD & HOT WEATHER PROCEDURES	-	INSP	SPECIAL INSPECTOR
MORTAR & GROUT PROPORTIONS	-	INSP	SPECIAL INSPECTOR
GROUT & MORTAR SPECIMENS / PRISMS	-	INSP	SPECIAL INSPECTOR
COLD-FORMED STEEL FRAMING			
ADHESIVE ANCHORS	INSP	-	SPECIAL INSPECTOR
EXPANSION ANCHORS	-	INSP	SPECIAL INSPECTOR
SCREWS	-	INSP	SPECIAL INSPECTOR
FIELD WELDED CONNECTIONS	-	INSP	SPECIAL INSPECTOR
LATERAL FORCE RESISTING MEMBERS			
FASTENING < 4" OC & STRAPPING OF SHEARWALLS, DIAPHRAGMS, & TOP CHORDS	-	INSP	SPECIAL INSPECTOR
BOLTING, ANCHORING, & FASTENING OF OTHER ELEMENTS	-	INSP	SPECIAL INSPECTOR
METAL FABRICATIONS, METAL STAIRS, RAILINGS, & HANDRAILS			
ADHESIVE ANCHORS	INSP	-	SPECIAL INSPECTOR
EXPANSION ANCHORS	-	INSP	SPECIAL INSPECTOR
CONCRETE PLACEMENT	-	INSP	SPECIAL INSPECTOR
CONCRETE MATERIALS	-	TEST	TESTING LAB

NOTES:
1. SPECIAL INSPECTION OF SHOP FABRICATION AND SHOP WELDING SHALL MATCH THE REQUIREMENTS FOR FIELD FABRICATION AND FIELD WELDING UNLESS SHOP CERTIFICATION DOCUMENTS ARE REVIEWED AND ACCEPTED BY THE OWNER. IF APPROVED BY THE OWNER, SPECIAL INSPECTION OF SHOP FABRICATION AND SHOP WELDING SHALL NOT BE REQUIRED FOR AISC CERTIFIED FABRICATORS.
2. CONTINUOUS INSPECTION IS REQUIRED FOR WELDING OF REINFORCING STEEL RESISTING FLEXURAL & AXIAL FORCES IN INTERMEDIATE & SPECIAL MOMENT FRAMES, BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALL OF CONCRETE, & SHEAR REINFORCEMENT. PERIODIC INSPECTION IS ACCEPTABLE FOR WELDING OF OTHER REINFORCING STEEL.

WABO registered Special inspection is require unless otherwise approved by the city.
WABO register Welders are required.

CONTACT INFORMATION

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ABBREVIATIONS

(N)	NEW
@	AT
&	AND
AB	ANCHOR BOLTS
ACI	AMERICAN CONCRETE INSTITUTE
ADDL	ADDITIONAL
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
AFF	ABOVE FINISHED FLOOR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL)
ATR	ALL-THREAD ROD
B/	BOTTOM OF
BE	BOUNDARY ELEMENT
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BN	BOUNDARY NAIL(ING)
BOT / BOTT	BOTTOM
BP	BASE PLATE
BRB	BUCKLING-RESTRAINED BRACE FRAME
BRG	BEARING
BTWN	BETWEEN
CFS	COLD FORMED STEEL
CGS	CENTER OF GRAVITY OF PRESTRESSING STEEL
CIP	CAST-IN-PLACE
CJ	CONTROL/CONTRACTION/ CONSTRUCTION JOINT
CL /	CENTER LINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CTR / CNTR	CENTER
d	PENNY (NAILS)
DBA	DEFORMED BAR ANCHOR
DBL	DOUBLE
DC	DEMAND CRITICAL WELD
DET / DTL	DETAIL
DFL	DOUGLAS FIR/LARCH
DIA / Ø	DIAMETER
DIAPH	DIAPHRAGM
DIM	DIMENSION
DL	DEAD LOAD
DWG	DRAWING
E/	EDGE OF
EA	EACH
EF	EACH FACE
EFF	EFFECTIVE
EIFS	EXTERIOR INSULATION FINISH SYSTEM
ELEC / ELECT	ELECTRICAL
ELEV	ELEVATION / ELEVATOR
EN	EDGE NAIL(ING)
ENGR	ENGINEER
EQ	EQUAL
ES	EACH SIDE
EW	EACH WAY
EXIST / (E)	EXISTING
EXP JT / EJ	EXPANSION JOINT
EXT	EXTERIOR
F/	FACE OF
FB	FLAT BAR
FHS	FULL HEIGHT STIFFENER
FIN	FINISH(ED)
FLR	FLOOR
FND/FDN	FOUNDATION
FOW	FACE OF WALL
FS	FAR SIDE
FT	FEET / FOOT
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GL	GLULAM
GLB	GLULAM BEAM
GLT	GLULAMINATED TIMBER PANEL
GR	GRADE
HCM	HOLLOW CLAY MASONRY
HDR	HEADER
HGR	HANGER
HORIZ	HORIZONTAL
HSS	HOLLOW STRUCTURAL SECTION
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
HWS	HEADED WELD STUD

ABBREVIATIONS

IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IF / ISF	INSIDE FACE
INFO	INFORMATION
INSP	INSPECTION / INSPECTOR
INT	INTERIOR
JST	JOIST
K	KIPS
KN	KEYNOTE
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
L	ANGLE
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG / LONGIT	LONGITUDINAL
LSL	LAMINATED STRAND LUMBER
LVL	LAMINATED VENEER LUMBER
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MECH	MECHANICAL
MFR / MANUF	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MPP	MASS PLYWOOD PANEL
MTL	METAL
NIC	NOT IN CONTRACT
NO / #	NUMBER
NOM	NOMINAL
NS	NEAR SIDE
NTE	NOT TO EXCEED
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF / OSF	OUTSIDE FACE
OH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OWWJ	OPEN WEB WOOD JOIST
PDA	POWER DRIVEN ANCHOR
PERP	PERPENDICULAR
PJ	PANEL JOINT
PL /	PLATE
PLB	PARALLAM BEAM
PLYWD / PLY	PLYWOOD
PNL	PANEL
PS	POUR STRIP
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSL	PARALLEL STRAND LUMBER
PT	PRESSURE TREATED/POST TENSIONED
REF	REFERENCE
REINF	REINFORCING
REQ / REQD	REQUIRED
REV	REVISION
SCHED	SCHEDULE
SFRS	SEISMIC FORCE RESISTING SYSTEM
SHTG / SHT'G	SHEATHING
SIM	SIMILAR
SLRS	SEISMIC LOAD RESISTIVE SYSTEM
SLV	SHORT LEG VERTICAL
SMS	SHEET METAL SCREW
SOG	SLAB ON GRADE
SOMD	SLAB ON METAL DECK
SP	SPACE (D)(S)
SPEC(S)	SPECIFICATION
STAGG	STAGGERED
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
STRUCT	STRUCTURAL
T&B	TOP & BOTTOM
T/	TOP OF
THK	THICK / THICKNESS
THRU	THROUGH
TL	TOTAL LOAD
TN	TOE NAIL
TRANS / TRANSV	TRANSVERSE
TS	TUBE STEEL
TYP	TYPICAL
UON / UNO	UNLESS OTHERWISE NOTED
VERT	VERTICAL
VIF	VERIFY IN FIELD
VRFY	VERIFY
W/	WITH
W/O	WITHOUT
WD	WOOD
WF	WIDE FLANGE BEAM
WP	WORK POINT
WWF	WELDED WIRE FABRIC

STRUCTURAL OBSERVATIONS

IN ACCORDANCE W/ IBC CH 17 & AT THE DIRECTION OF THE ENGINEER OF RECORD, THE FOLLOWING ITEMS REQUIRE PERIODIC STRUCTURAL OBSERVATION. NOTIFY ENGINEER OF RECORD AT LEAST 48 HOURS BEFORE A DESIGNATED WORK IS TO BE COVERED

ITEM	DESCRIPTION
1. FOUNDATION	REINFORCING STEEL

STRUCTURAL DEFERRED SUBMITTALS

CONTRACTOR TO SUBMIT DRAWINGS & CALCULATIONS BEARING THE SEAL OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF THE PROJECT TO ARCHITECT/ENGINEER BEFORE SUBMITTING TO JURISDICTION FOR REVIEW & PERMITTING

ITEM
1. ANCHORAGE FOR AND ATTACHMENT OF M/E/P/F SYSTEMS & EQUIPMENT TO STRUCTURE
2. CANOPY GLASS AND ATTACHMENT TO STRUCTURE

M.
Architecture ▪ Interiors
Planning ▪ Engineering
Portland, OR 503.224.9560
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Seattle, WA 206.749.9993
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MACKENZIE.

Client

City of Puyallup

Project

Puyallup Public Safety Building
1015 39th Avenue SE, Puyallup, WA, 98374

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REVISION SCHEDULE		
Delta	Issued As	Issue Date

SHEET TITLE:
STRUCTURAL GENERAL NOTES

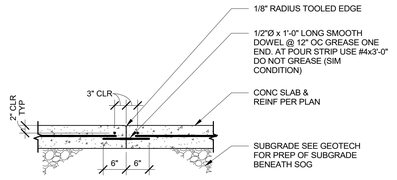
SHEET
S0.00

JOB NO. **2170269.07**

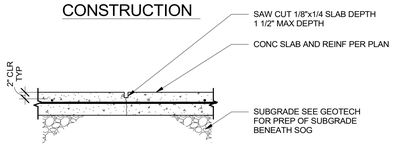
Permit/Bid Set 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



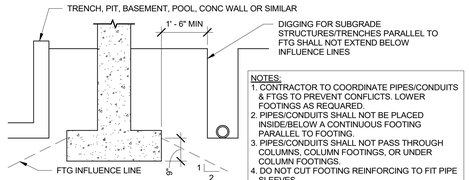
CONSTRUCTION



CONTRACTION

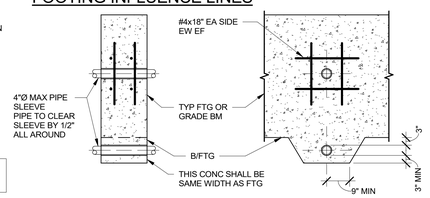
NOTE:
DOWELED JOINT INSTRUCTIONS:
DOWELS ARE TO BE SAWN (OR IF SHEARED GRIND ENDS TO REMOVE DEFORMITIES)

6 S0.10 SOG CONTRACTION/CONSTRUCTION JOINTS
3/4" = 1'-0"

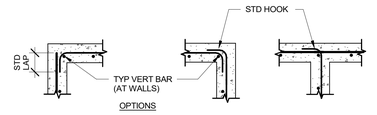


NOTES:
1. CONTRACTOR TO COORDINATE PIPES/CONDUITS & FTGS TO PREVENT CONFLICTS. LOWER FOOTINGS AS REQUARED.
2. PIPES/CONDUITS SHALL NOT BE PLACED INSIDE/BELOW A CONTINUOUS FOOTING PARALLEL TO FOOTING.
3. PIPES/CONDUITS SHALL NOT PASS THROUGH COLUMNS, COLUMN FOOTINGS, OR UNDER COLUMN FOOTINGS.
4. DO NOT CUT FOOTING REINFORCING TO FIT PIPE SLEEVES

FOOTING INFLUENCE LINES

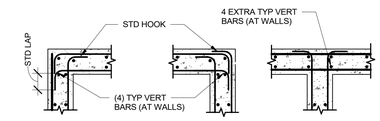


7 S0.10 PIPING CONDUITS AT GRADE BEAMS & FOOTINGS
1/2" = 1'-0"



OPTIONS

A ONE LAYER REINFORCEMENT

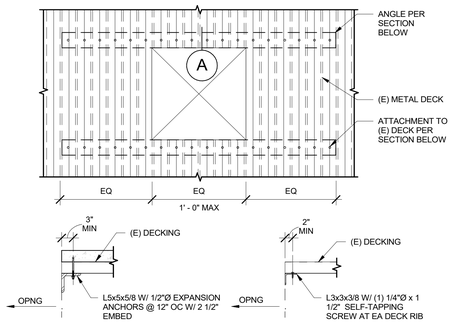


OPTIONS

B TWO LAYERS REINFORCEMENT

REINFORCING AT CONCRETE WALL, BEAM AND FOOTING INTERSECTIONS

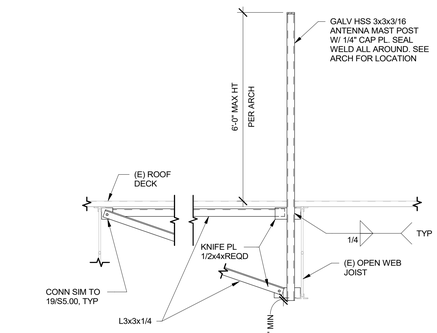
8 S0.10
1 1/2" = 1'-0"



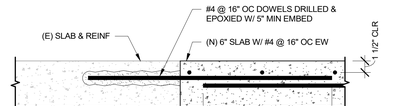
A COMPOSITE DECK

A METAL DECK

9 S0.10 OPENING IN (E) DECK
3/4" = 1'-0"



5 S0.10 ROOF ATENNA MAST SUPPORT
3/4" = 1'-0"



10 S0.10 EXISTING SLAB TO NEW SLAB CONNECTION
1 1/2" = 1'-0"

MASONRY LAP SPLICES			
	LENGTH (UNO) IN INCHES		
BAR	F'm = 1500 PSI	F'm = 2000 PSI	F'm = 2500 PSI
#3	16	15	15
#4	27	24	21
#5	33	30	27
#6	40	36	33
#7	54	48	42
#8	59	51	46
#9	74	64	58

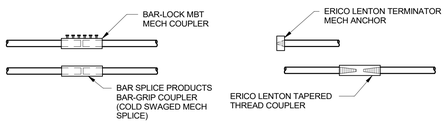
NOTE:
WHEN TWO BAR SIZES ARE SPLICED, USE LAP LENGTH OF SMALLER BAR

11 S0.10 TYPICAL LAP SPLICE - MASONRY
1 1/2" = 1'-0"

CONCRETE LAP SPLICES						
	LENGTH (UNO) IN INCHES					
	F'c = 3000 PSI		F'c = 4000 PSI		F'c = 5000 PSI	
BAR	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	28	22	25	19	22	17
#4	38	29	33	25	29	23
#5	47	36	41	31	36	28
#6	56	43	49	37	44	34
#7	81	63	71	54	63	49
#8	93	72	81	62	72	56
#9	105	81	91	70	81	63
#10	118	91	102	79	92	71

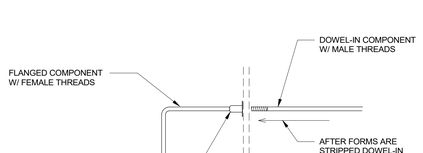
NOTES:
1. WHEN TWO BAR SIZES ARE SPLICED, USE LAP LENGTH FOR SMALLER BAR.
2. TABLE IS FOR CLASS B SPLICES.
3. TABLE DOES NOT APPLY TO SPLICES WITH EPOXY-COATED BARS.
4. FOR LIGHTWEIGHT CONCRETE MULTIPLY VALUES BY 1.3.
5. YIELD STRENGTH OF THE STEEL BARS IS ASSUMED TO BE 60,000 PSI.
6. TOP BARS ARE DEFINED AS HORIZONTAL BARS PLACED SUCH THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST BELOW THE BARS.
7. SEE DRAWINGS FOR EXCEPTIONAL CASES.
8. AT CONTRACTOR'S OPTION, USE MECHANICAL COUPLERS PER 13/S0.10 TO REDUCE CONGESTION

12 S0.10 TYPICAL LAP SPLICE - CONCRETE
NTS



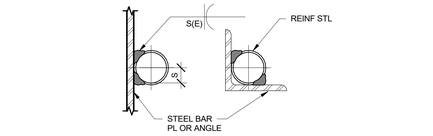
NOTES:
1. EITHER THE BAR SPLICE PRODUCTS BAR-GRIP COUPLER, THE ERICO LENTON TAPERED THREAD COUPLER OR THE BAR-LOCK MBT COUPLER MAY BE USED TO SPLICE REBAR. COMPLY W/ EVALUATION SERVICE REPORT AND FOLLOW MANUFACTURER'S RECOMMENDATIONS.
2. AT THE CONTRACTOR'S OPTION POSITION COUPLERS MAY BE USED EXCEPT THAT THE ERICO LENTON P8 COUPLER MAY BE USED ONLY IN COMPRESSION SPLICES W/ APPROVAL OF THE ENGINEER.
3. SPLICES MUST HAVE STRENGTH IN EXCESS OF 125% OF THE SPECIFIED YIELD STRENGTH OF THE REINFORCING BAR.
4. SPECIAL INSPECTION COMPLYING WITH THE FINDINGS OF THE EVALUATION SERVICE REPORT IS REQUIRED.
5. IN GRADE BEAMS, SPLICE TOP AND BOTTOM BARS AT MID-SPAN.
6. IN BEAMS, OPTIONALLY, IN LIEU OF LAP SPLICES, SPLICE TOP BARS AT MID-SPAN AND SPLICE BOTTOM BARS OVER SUPPORTS USING MECH BAR COUPLERS.
7. IN SHEAR WALL BOUNDARY ELEMENTS, OPTIONALLY, IN LIEU OF LAP SPLICES, SPLICE VERTICAL BARS WHERE CONVENIENT. STAGGER 50% OF SPLICES AT LEAST 24". USE TYPE 2 MECHANICAL COUPLERS.
8. IN COLUMNS, OPTIONALLY, IN LIEU OF LAP SPLICES, SPLICE VERTICAL BARS WITHIN THE CENTER HALF OF A COLUMN'S HEIGHT. STAGGER 50% OF SPLICES AT LEAST 24".
9. ERICO LENTON TERMINATOR MAY BE USED TO REPLACE A BAR HOOK (90, 135, OR 180° W/ EOR APPROVAL). THE EMBEDMENT LENGTH OF TERMINATOR SHOULD MATCH OR EXCEED AMOUNT AS DETAILED W/ HOOK. COMPLY W/ ESR REPORTS AND FOLLOW MANUFACTURER'S RECOMMENDATIONS.

13 S0.10 MECHANICAL REBAR COUPLERS & ANCHORS
1" = 1'-0"



NOTES:
1. AT THE CONTRACTORS OPTION THE TWO-PART DOWEL PRODUCTS MAY BE USED TO REPLACE ORDINARY DOWELS SPECIFIED IN THE DRAWINGS
2. DOWEL SYSTEM TO MEET TYPE II REQUIREMENTS OF ACI 318
   ACCEPTABLE SUPPLIERS ARE:
   a. LENTON FORM SAVER
   b. DAYTON-SUPERIOR D-50 DOWEL BAR
   c. RICHMOND DOWEL BAR
3. FOLLOW MANUFACTURERS DIRECTIONS AND APPLICABLE EVALUATION SERVICE REPORT. PECIAL INSPECTION IS REQUIRED
4. TWO-PART DOWEL COMPONENTS MUST BE OF SPECIFIED LENGTH AFTER ASSEMBLY

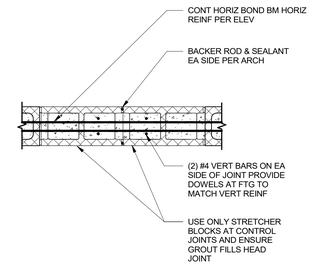
14 S0.10 TWO PART DOWEL SYSTEM
1 1/2" = 1'-0"



BAR SIZE	S (INCH)	LENGTH OF WELD (INCH)
3	3/16	2
4	1/4	2 1/2
5	5/16	3
6	3/8	3 1/2
7	7/16	4
8	1/2	4 1/2
9	9/16	5
10	5/8	5 1/2

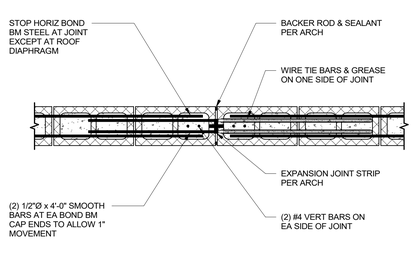
NOTES:
1. SEE AWS FOR ELECTRODE GRADE REQUIREMENTS.
2. CONTINUOUS INSPECTIONS REQUIRED.
3. MATERIALS, QUALIFICATIONS OF WELDING PROCEDURES AND WELDERS ARE TO BE VERIFIED BY THE SPECIAL INSPECTOR PRIOR TO THE START OF WORK.
4. EFFECTIVE THROAT DIMENSION (E) IS 0.4S.
5. THIS DETAIL DEVELOPS THE TENSION CAPACITY OF THE REINFORCEMENT FOR Fy = 60 KSI REINFORCEMENT. SEE GENERAL NOTES FOR REINFORCEMENT GRADE REQUIREMENTS.

15 S0.10 WELDING OF REINFORCED STEEL
1 1/2" = 1'-0"



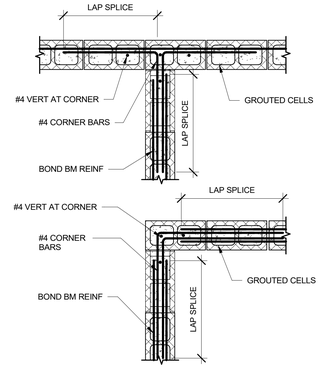
NOTE:
SEE MASONRY GENERAL NOTE 20 ON SHEET S0.00 FOR JOINT LOCATION

16 S0.10 WALL CONTROL JOINT
1" = 1'-0"

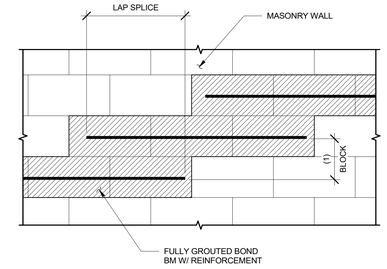


NOTES:
1. DO NOT INSTALL IN LINTELS OR W/ IN 4'-0" OF OPENINGS
2. SEE ARCH FOR LOCATION

17 S0.10 WALL EXPANSION JOINT
1" = 1'-0"

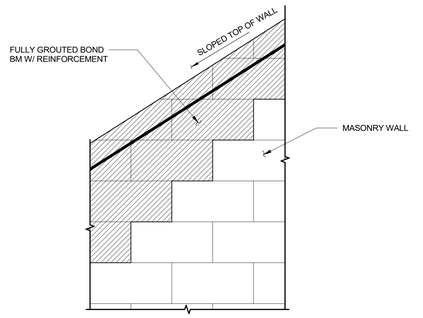


18 S0.10 CMU WALL INTERSECTIONS
3/4" = 1'-0"



NOTE:
BOND BEAM STEPPED TO MATCH ADJACENT SLOPED ROOF

19 S0.10 STEPPED BOND BEAM
1" = 1'-0"



20 S0.10 SLOPED BOND BEAM
1" = 1'-0"

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Project
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1015 39th Avenue SE, Puyallup, WA, 98374

ASHRAEI ROBERT TATUM
STATE OF WASHINGTON
23021482
PROFESSIONAL ENGINEER

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
TYPICAL DETAILS

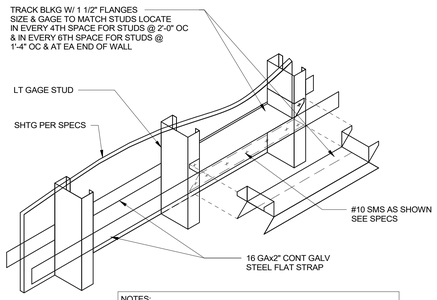
SHEET
S0.10

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/26907-PPSB Benaroya-V23-A.rvt 2/27/2025 12:27:53 PM As Indicated

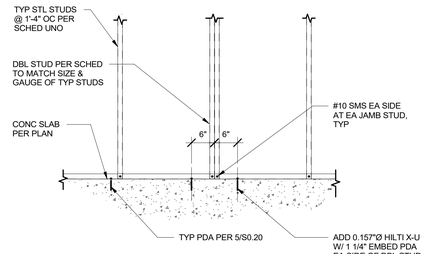
City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



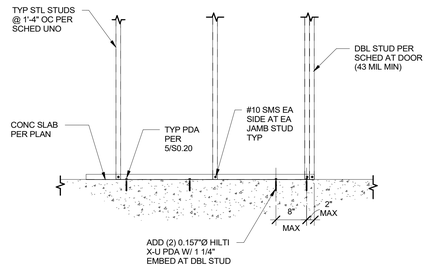
NOTES:
1. INSTALL BRACING ROWS @ 3'-0" OC VERTICAL SPACING, UON.
2. UON, INSTALL STRAP ON SIDE W/ NO SHEATING AT LOCATIONS WHERE SHTG IS ON ONE SIDE ONLY. INSTALL STRAP ON BOTH SIDES WHERE NO SHEATING IS PRESENT.

2 S0.20 STUD WALL LATERAL BRACING LOCATIONS
1 1/2" = 1'-0"



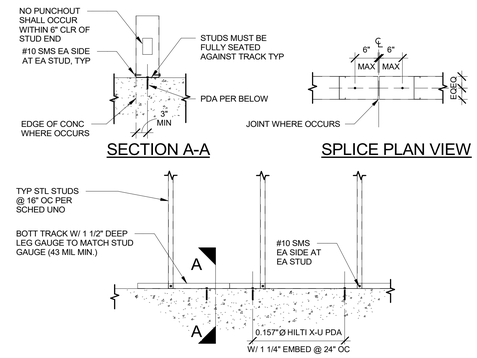
NOTE:
FOR REMAINDER OF INFORMATION
SEE 5/S0.20

3 S0.20 TYPICAL BOTTOM TRACK ANCHORAGE AT WINDOW
3/4" = 1'-0"



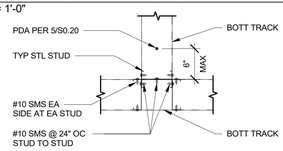
NOTE:
FOR REMAINDER OF INFORMATION
SEE 5/S0.20

4 S0.20 TYPICAL AT DOOR BOTTOM TRACK ANCHORAGE
3/4" = 1'-0"

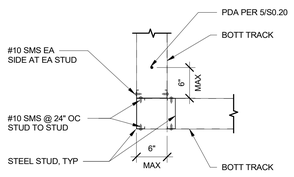


5 S0.20 TYPICAL BOTTOM TRACK SPLICE & ANCHORAGE
3/4" = 1'-0"

6 S0.20 TYPICAL TOP TRACK SPLICE
3" = 1'-0"

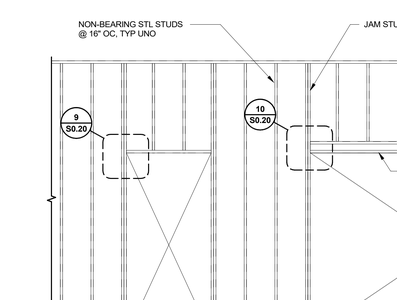


PLAN VIEW, INTERSECTION OF STUDS



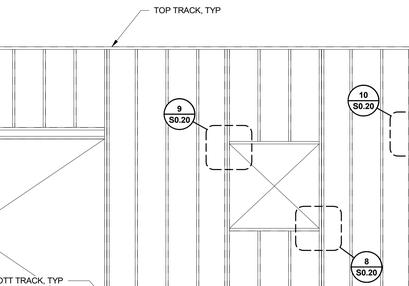
PLAN VIEW, CORNER CONDITION

11 S0.20 TYPICAL STUD FRAMING AT INTERSECTIONS
1" = 1'-0"

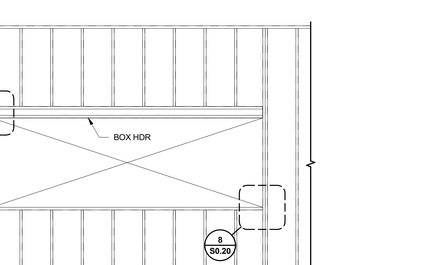


NOTES:
1. SPLICE TO OCCUR AS REQD.
2. LOCATE SPLICE AWAY FROM MID-SPAN

7 S0.20 STUD SPLICE DETAIL
3/4" = 1'-0"

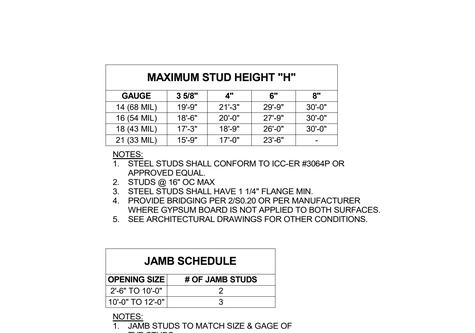


8 S0.20 TYPICAL SILL CONNECTION
1 1/2" = 1'-0"



NOTE:
APPLIES TO INTERIOR NON-BEARING WALL
OPENING UP TO 48" WIDE, MAX.

9 S0.20 TYPICAL TRACK HEADER CONNECTION
1 1/2" = 1'-0"



SECTION A-A

HEADER SCHEDULE	
OPENING SIZE (L)	WEB STUD
L < 6'-0"	(2) 362 S162-43
6'-0" < L ≤ 10'-0	(2) 800 S162-43
10'-0" < L ≤ 12'-0"	(2) 1000 S162-54

10 S0.20 TYPICAL BOX HEADER
1" = 1'-0"

17 S0.20 TYPICAL NON-BEARING STUD WALL FRAMING
3/8" = 1'-0"

MAXIMUM STUD HEIGHT "H"				
GAUGE	3 5/8"	4"	6"	8"
14 (68 MIL)	19'-9"	21'-3"	29'-9"	30'-0"
16 (54 MIL)	18'-6"	20'-0"	27'-9"	30'-0"
18 (43 MIL)	17'-3"	18'-9"	26'-0"	30'-0"
21 (33 MIL)	15'-9"	17'-0"	23'-6"	-

NOTES:
1. STEEL STUDS SHALL CONFORM TO ICC-ER #3064P OR APPROVED EQUAL.
2. STUDS @ 16" OC MAX
3. STEEL STUDS SHALL HAVE 1 1/4" FLANGE MIN.
4. PROVIDE BRIDGING PER 2/S0.20 OR PER MANUFACTURER WHERE GYPSUM BOARD IS NOT APPLIED TO BOTH SURFACES.
5. SEE ARCHITECTURAL DRAWINGS FOR OTHER CONDITIONS.

JAMB SCHEDULE	
OPENING SIZE	# OF JAMB STUDS
2'-6" TO 10'-0"	2
10'-0" TO 12'-0"	3

NOTES:
1. JAMB STUDS TO MATCH SIZE & GAGE OF TYP STUDS
2. SEE 11/S0.21 FOR JAMB STUD TO STUD CONNECTION

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Project

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REVISION SCHEDULE		
Delta	Issued As	Issue Date

SHEET TITLE:
TYPICAL INTERIOR LIGHT GAGE STEEL DETAILS

SHEET
S0.20

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025

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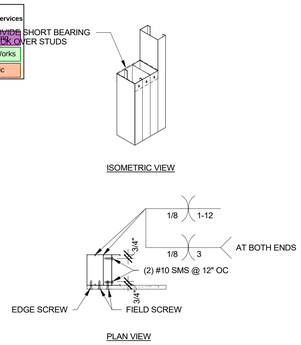
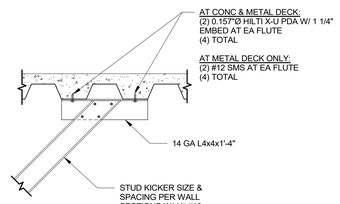
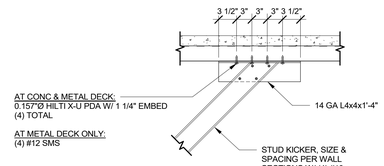


4-STUD JAMB

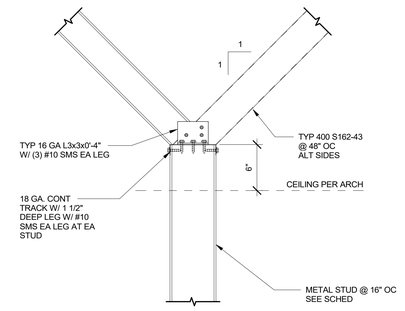


PERPENDICULAR TO FLUTES

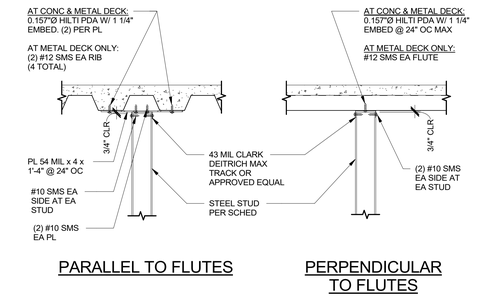


PARALLEL TO FLUTES

2 S0.21 TYPICAL KICKER TO DECK
1" = 1'-0"



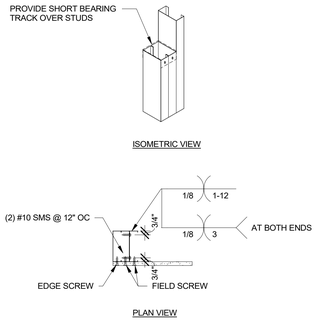
4 S0.21 PARTITION WALL TOP
1 1/2" = 1'-0"



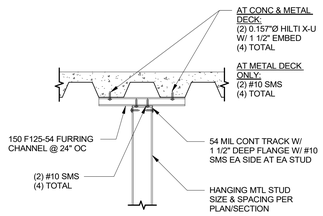
PARALLEL TO FLUTES

PERPENDICULAR TO FLUTES

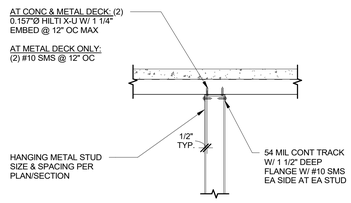
5 S0.21 TYPICAL INTERIOR NON-BEARING WALL TOP
1" = 1'-0"



3-STUD JAMB

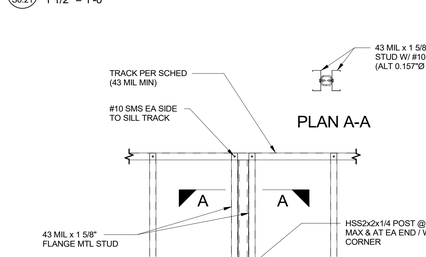


PARALLEL TO FLUTES

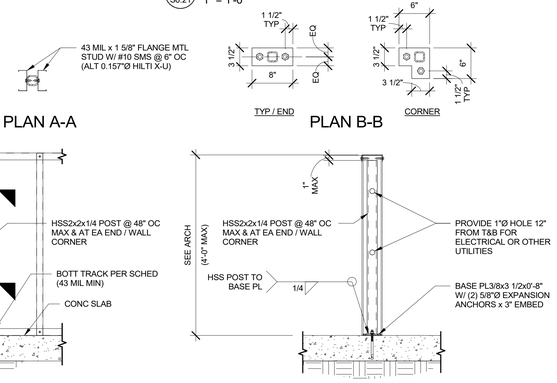


PERPENDICULAR TO FLUTES

7 S0.21 TYPICAL HANGING METAL STUD RIGID CONNECTION
1" = 1'-0"

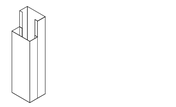


ELEVATION



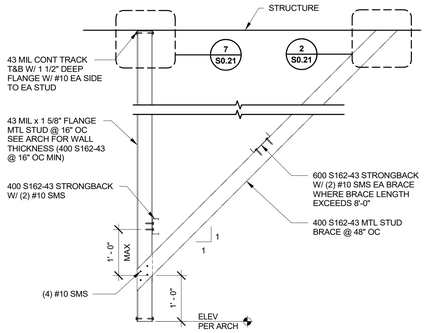
SECTION

9 S0.21 TYPICAL INTERIOR LOW WALL
1" = 1'-0"

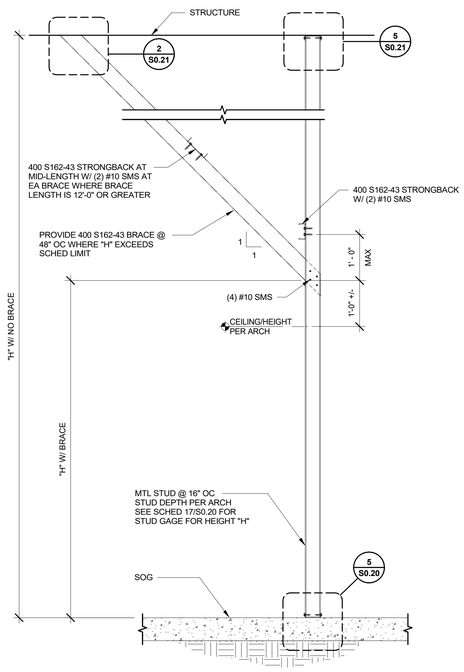


2-STUD JAMB

11 S0.21 TYPICAL BUILT-UP JAMB
1" = 1'-0"

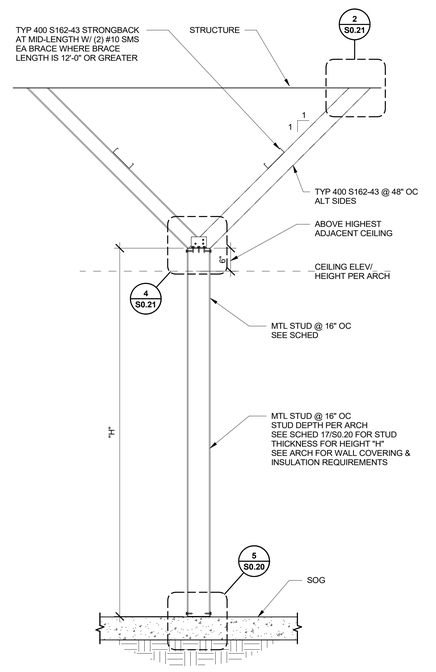


13 S0.21 TYPICAL HANGING WALL
3/4" = 1'-0"



NOTE:
FOR REMAINDER OF INFORMATION NOT SHOWN, SEE 17/S0.20

19 S0.21 TYPICAL FULL HEIGHT PARTITION WALL
3/4" = 1'-0"



NOTE:
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20 S0.21 PARTIAL-HEIGHT PARTITION WALL
3/4" = 1'-0"

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STATE OF WASHINGTON
23021452
PROFESSIONAL ENGINEER

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
TYPICAL INTERIOR LIGHT GAGE STEEL DETAILS

SHEET
S0.21

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/26907-PPSB Benaroya-V23-A.rvt 2/27/2025 12:28:02 PM As Indicated

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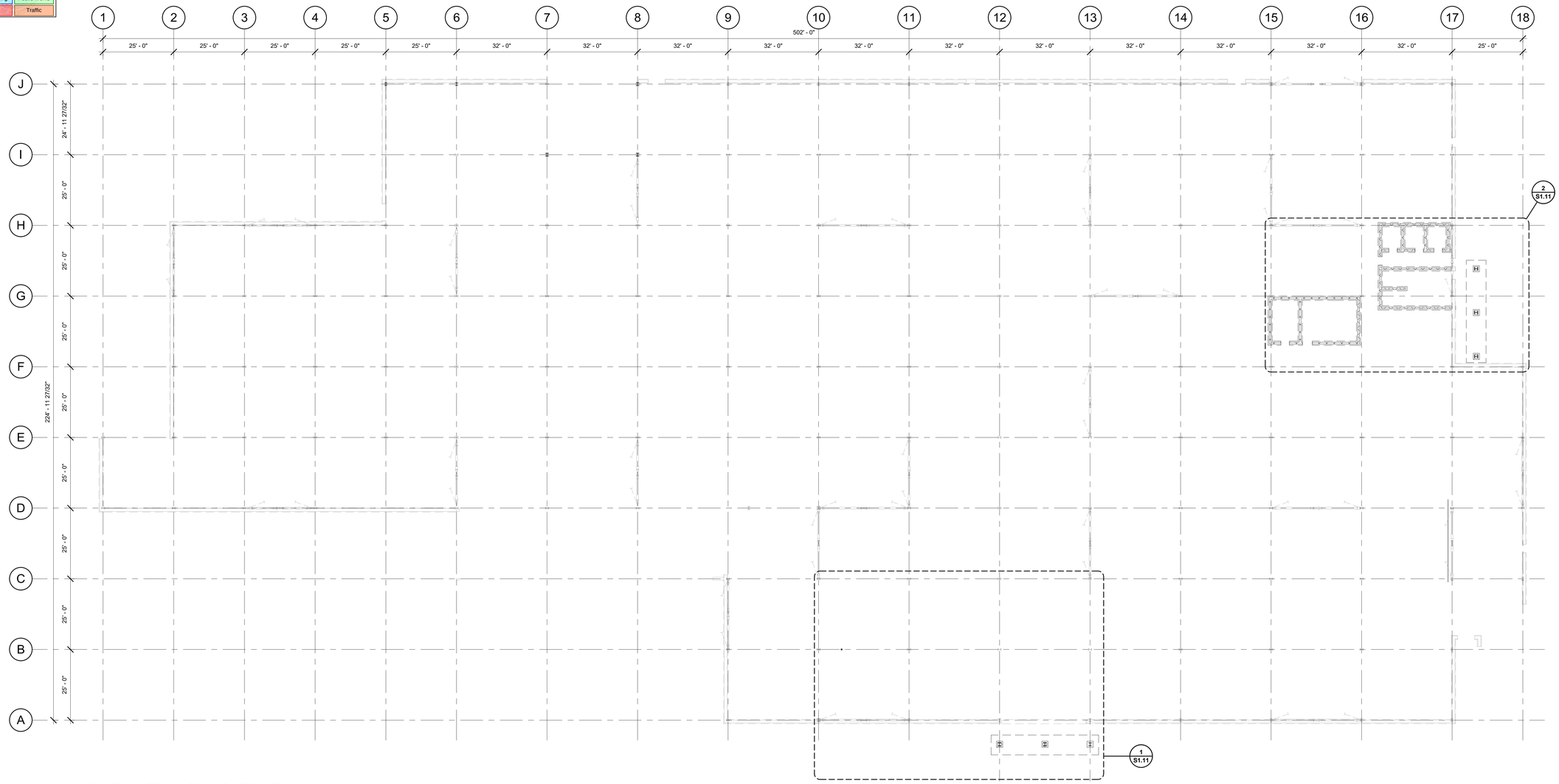

1 S1.10 OVERALL FOUNDATION PLAN
1/16" = 1'-0"

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ANDRZEJ ROBERT TATKOWSKI
STATE OF WASHINGTON
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STRUCTURAL ENGINEER
PROFESSIONAL ENGINEER

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SHEET TITLE:
OVERALL FOUNDATION PLAN

SHEET
S1.10

JOB NO. **2170269.07**

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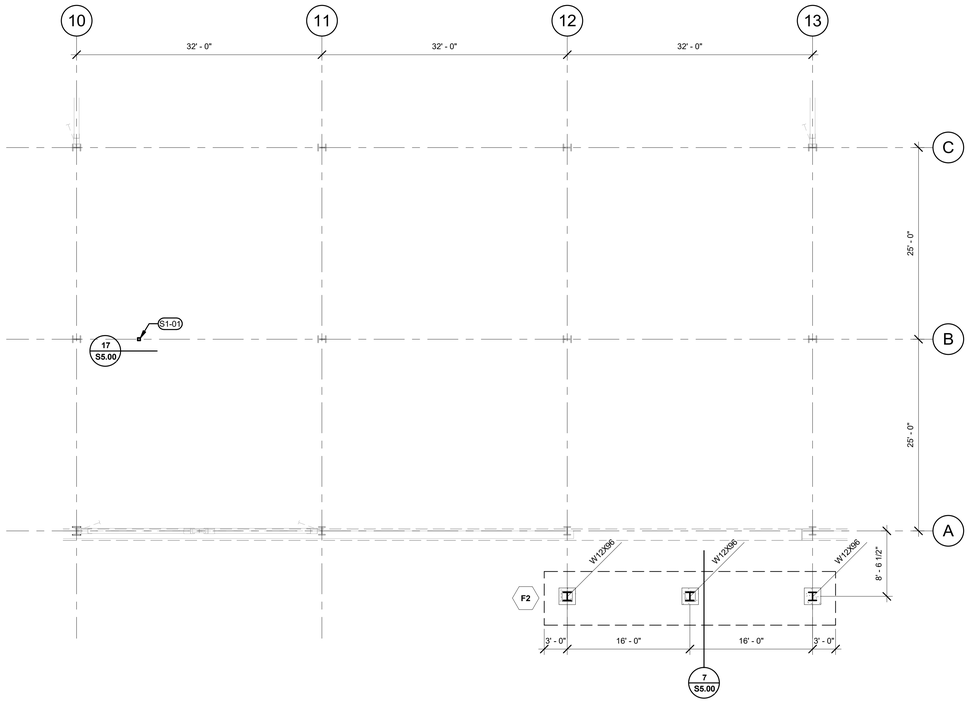
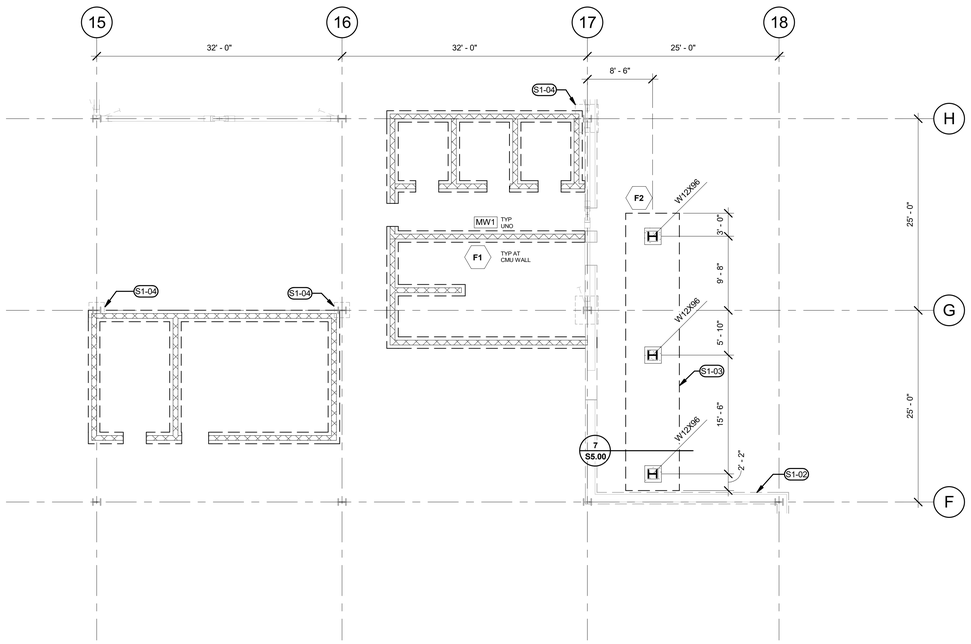
Fire	Traffic



1 / S1.11 ENLARGED FOUNDATION PLAN - MAIN ENTRY
1/8" = 1'-0"



2 / S1.11 ENLARGED FOUNDATION PLAN - OFFICER ENTRY
1/8" = 1'-0"

TYPICAL SHEET NOTES

A. FOR GENERAL STRUCTURAL NOTES SEE S0.0x SERIES SHEETS
B. FOR TYPICAL STRUCTURAL DETAILS SEE S0.1x SERIES SHEETS
C. FOR SLAB-ON-GRADE AND FOUNDATION SUB-BASE, VAPOR-RETARDING MEMBRANE, GEOTEXTILE AND DRAINAGE REFER TO GEOTECHNICAL REPORT
D. LOCATE CL OF FOOTINGS AT CL OF COLUMNS AND/OR WALLS, U.N.O.
E. SEE GENERAL STRUCTURAL NOTES FOR CONTRACTION/CONSTRUCTION JOINT REQUIREMENTS FOR SLAB ON GRADE.
F. SEE TYPICAL DETAILS FOR REINFORCEMENT AT SLAB PENETRATIONS AND BLOCKOUTS.
G. SEE TYPICAL DETAILS FOR TYPICAL REINFORCEMENT AT WALL AND FOOTING CORNERS AND INTERSECTIONS.
H. SEE TYPICAL DETAILS FOR REINFORCEMENT LAP SPLICE LENGTH.
I. CHAIR SLAB REINFORCING AS REQD. LIFTING OF BARS WHILE PLACING OF CONCRETE NOT ALLOWED.
J. SEE GENERAL STRUCTURAL NOTES FOR CONTRACTOR'S RESPONSIBILITIES FOR COORDINATING TOP & BOTTOM OF FOUNDATION ELEVATIONS, FOUNDATION STEPS, SITE CONDITIONS AND UTILITIES.
K. COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCH DRAWING INCLUDING SLAB ELEVATIONS, SLOPES, STEPS, AND RECESSES.
L. SLAB-ON-GRADE IS A STRUCTURAL DIAPHRAGM. NOTIFY ENGINEER PRIOR TO CUTTING REINFORCEMENT, DEMOLITION, CORING, AND/OR TRENCHING.

LEGEND

FA — FOOTING PER SCHEDULE

MW1 — MASONRY WALL PER SCHEDULE, S5.00

KEYNOTES

S1-01	HSS4X4X1/4 OPERABLE PARTITION BEAM SUPPORT POST
S1-02	(E) FTG, DO NOT DAMAGE OR UNDERMINE
S1-03	DURING CONSTRUCTION, GC TO COORDINATE WITH GEOTECHNICAL FIELD ENGINEER TO VERIFY ADEQUATE SUBGRADE IS PRESENT TO ACHIEVE ALLOWABLE BEARING PRESSURES NOTED ON S0.00 AT PROPOSED FOUNDATION LOCATIONS. SOME EXCAVATION AND BACKFILL ACTIVITIES MAY HAVE OCCURRED IN THIS AREA SINCE ORIGINAL SHELL CONSTRUCTION.
S1-04	(E) PLINTH 10" BELOW FF. GC TO VIF. DO NOT DAMAGE. NOTCH (N) FTG AS REQD

STRUCT - FOOTING (F) SCHEDULE

NOTE: LENGTH PER PLAN IF BLANK IN SCHEDULE

	DIMENSIONS			REINFORCEMENT		
MARK	WIDTH	LENGTH	DEPTH	LONGITUDINAL	TRANSVERSE	REMARKS
F1	1' - 6"		1' - 0"	#5 @ 12" OC	#5 @ 12" OC	CONN TO (E) SLAB PER TYP DTLS
F2	7' - 0"		1' - 6"	#6 @ 12" OC	#6 @ 12" OC	REINF. TOP & BOT

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KRIKALEV ROBERT TATOMIRA — STATE OF WASHINGTON — 23037482 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
ENLARGED FOUNDATION PLANS

SHEET
S1.11

JOB NO. **2170269.07**

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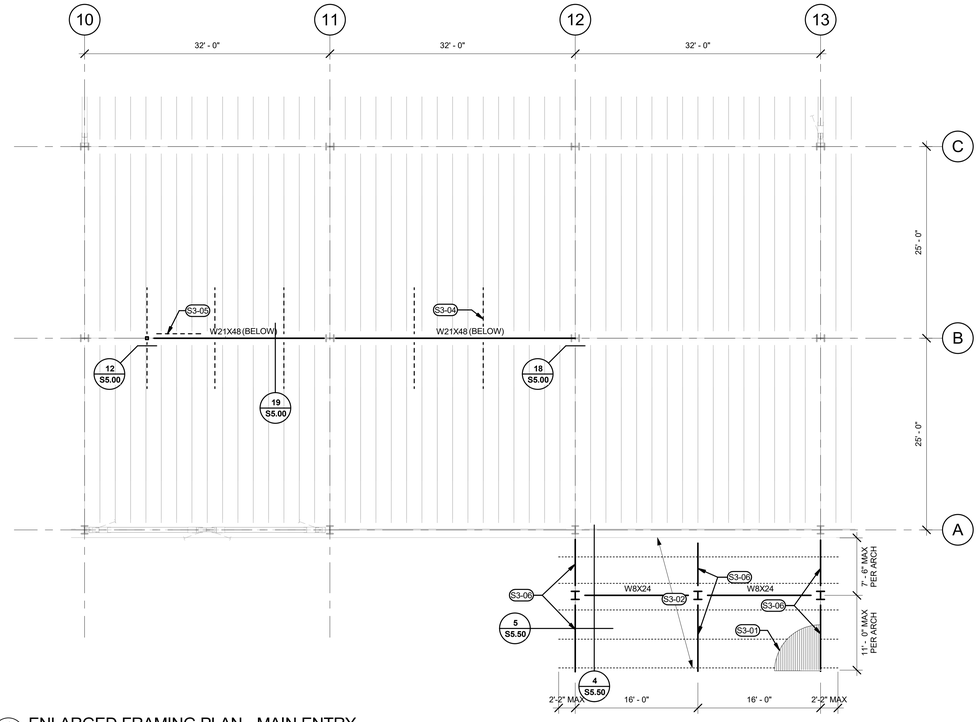
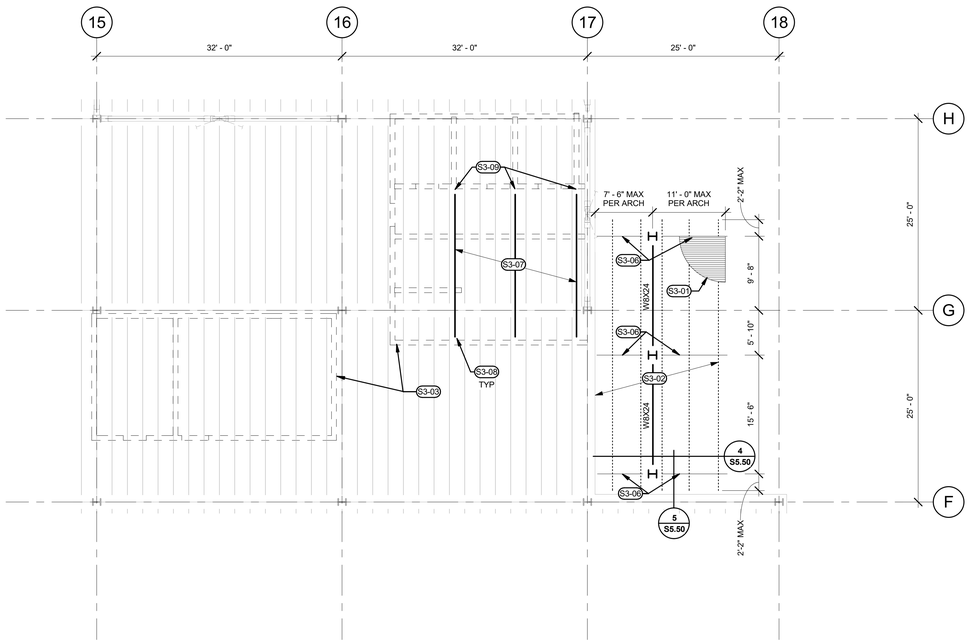


1 / S1.21 ENLARGED FRAMING PLAN - MAIN ENTRY
1/8" = 1'-0"



2 / S1.21 ENLARGED FRAMING PLAN - OFFICER ENTRY
1/8" = 1'-0"

TYPICAL SHEET NOTES

A. FOR GENERAL STRUCTURAL NOTES SEE S0.0x SERIES SHEETS
B. FOR TYPICAL STRUCTURAL DETAILS SEE S0.1x SERIES SHEETS
C. SEE ARCHITECTURAL DRAWINGS FOR CONTROL ELEVATIONS
D. COORDINATE PERIMETER CONDITIONS WITH ARCHITECTURAL
E. PENETRATIONS THROUGH FRAMING ARE NOT ALLOWED UNLESS NOTED ON DRAWINGS. IT IS EXPECTED THAT SPRINKLERS, DUCTING, AND OTHER MEP AVOID STRUCTURAL FRAMING.

LEGEND

KEYNOTES

S3-01	POINT SUPPORTED GLASS AND ATTACHMENT TO STRUCTURE BY OTHERS
S3-02	HSS6X6X3/8 PURLINS @ 3'-6" OC MAX W/ CAP PL EA END
S3-03	DO NOT ATTACH CMU TO (E) FLOOR FRAMING ABOVE. SEE ARCH FOR HEIGHT AND INFO
S3-04	BOTTOM FLANGE BRACE PER 19/S5.00 TYP
S3-05	LONGITUDINAL BEAM BRACE PER 12/S5.00 AT HSS POST
S3-06	WT BEAMS PER 4/SS.50
S3-07	HSS4X4X3/16 BRACE AT TOP OF CMU WALL
S3-08	CONN. PERP. TO CMU SEE 7/SS.00
S3-09	CONN. PARALLEL TO CMU SEE 8/S5.00

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Delta	Issued As	Issue Date

SHEET TITLE:
ENLARGED FRAMING PLANS

SHEET
S1.21

JOB NO. **2170269.07**

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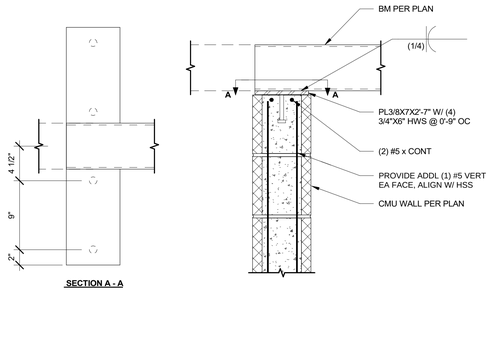
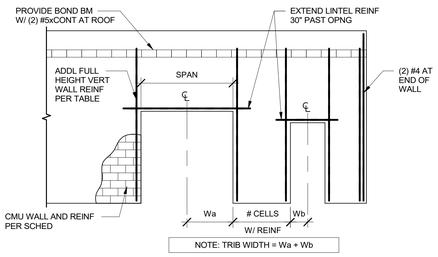




LINTEL & WALL REINF

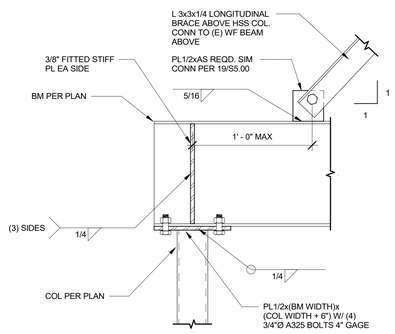
LINTEL - SEE 14/S5.00			WALL AT LINTEL - SEE 15/S5.00			
TRIB WIDTH/SPAN	# BLOCKS	HORIZ REINF	VERTICAL WALL REINF	# CELLS	REINF LOCATION	MIN LEG WIDTH
4'-0"	1	(2) #5 BOT ONLY	(1) #5	(1)	CL	7.625"

STRUCT - MASONRY WALL (MW) SCHEDULE

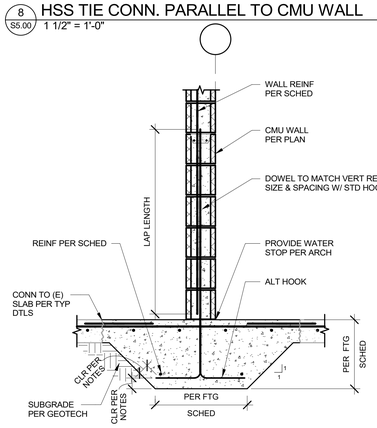
MARK	WIDTH	REINFORCING		REMARKS
		VERTICAL	HORIZONTAL	
MW1	7 5/8"	#5 @ 16" OC @ CL	#5 @ 16 OC @ CL	12'-8" MAX HT INTERIOR NON-BEARING WALL

NOTES:
1. WALLS ARE SOLID GROUTED UNO
2. SEE 9/S5.00 FOR REINFORCING AT OPENINGS

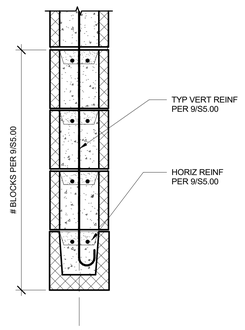
7 S5.00 HSS TIE CONN. PERP. TO CMU WALL
1 1/2" = 1'-0"



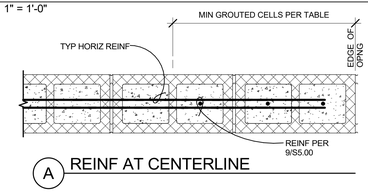
8 S5.00 HSS TIE CONN. PARALLEL TO CMU WALL
1 1/2" = 1'-0"



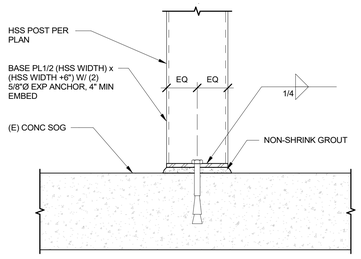
9 S5.00 CMU REINFORCEMENT
3/16" = 1'-0"



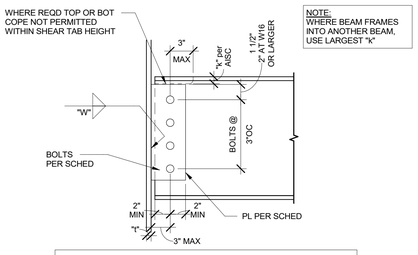
10 S5.00 MASONRY WALL SCHEDULE
1" = 1'-0"



12 S5.00 BEAM TO COLUMN CONNECTION
1 1/2" = 1'-0"



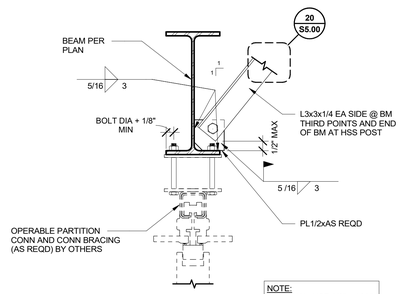
13 S5.00 CMU WALL TO FOOTING
3/4" = 1'-0"



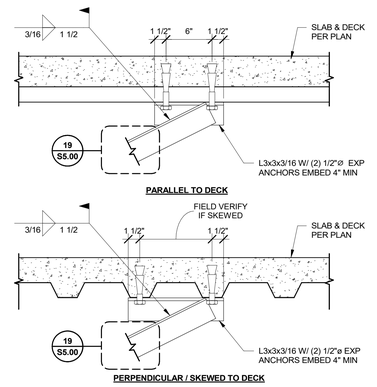
BOLT & PLATE SCHEDULE

BEAM	# OF A-325 BOLTS	PL THICKNESS	W	BOLT HOLE TYPE
W10, C10	(2) 7/8"Ø	3/8"	1/4"	STD/SSLT
C12, W12, W14	(3) 7/8"Ø	3/8"	1/4"	STD/SSLT
W16, W18	(4) 7/8"Ø	3/8"	1/4"	STD/SSLT
W21	(5) 7/8"Ø	3/8"	1/4"	STD/SSLT
W24	(6) 1"Ø	1/2"	5/16"	SSLT
W27, W30	(7) 1"Ø	1/2"	5/16"	SSLT
W33, W36	(9) 1"Ø	1/2"	5/16"	SSLT

14 S5.00 LINTEL REINFORCEMENT
1 1/2" = 1'-0"



15 S5.00 WALL REINFORCEMENT
1 1/2" = 1'-0"



17 S5.00 COLUMN TO SLAB
1 1/2" = 1'-0"

18 S5.00 TYPICAL BOLTED SHEAR TAB CONNECTION
1 1/2" = 1'-0"

19 S5.00 OPERABLE PARTITION BEAM BRACE
1 1/2" = 1'-0"

20 S5.00 BRACE CONNECTION TO FLOOR
1 1/2" = 1'-0"

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SHEET TITLE:
INTERIOR DETAILS

SHEET
S5.00

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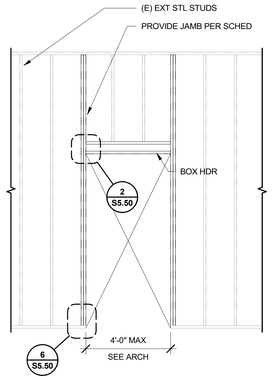

1 S5.50 TYP EXTERIOR DOOR FRAMING
3/8" = 1'-0"

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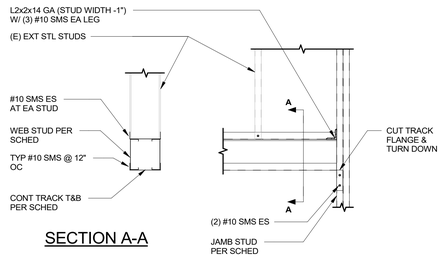
OPENING SCHEDULE

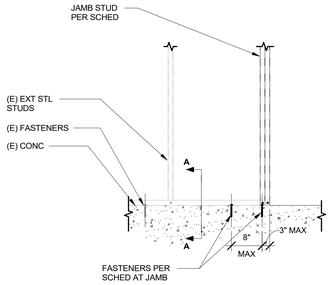
BOX HEADER/SILL		JAMB	REMARKS
STUD	TRACK		
(2) 362 S162-43	(2) 600 T150-43	(2) 600 S162-43	

NOTES:
1. EXTEND JAMB STUDS TO (E) HSS HEADER WHERE OCCURS ABOVE (N) OPENING. CONN W/ CLARK DIETRICH D-FCSC6-68 OR APPROVED EQUIVALENT EA SIDE OF JAMB W/ (3) FASTCLIP DEFLECTION SCREWS & (2) BUILDEX #12-24 TEK 5 SCREWS TO HSS
2. STEEL STUDS SHALL CONFORM TO ICC-ER #3064P OR APPROVED EQUAL.
3. MAXIMUM STUD HEIGHT 20'-0" FOR STUDS @ 16" OC.
4. SEE ARCH DRAWINGS FOR OTHER CONDITIONS.
5. BUILT UP JAMBS PER 11/S0.21.



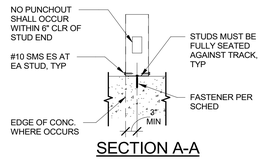
SECTION A-A

2 S5.50 TYPICAL BOX HEADER
1" = 1'-0"



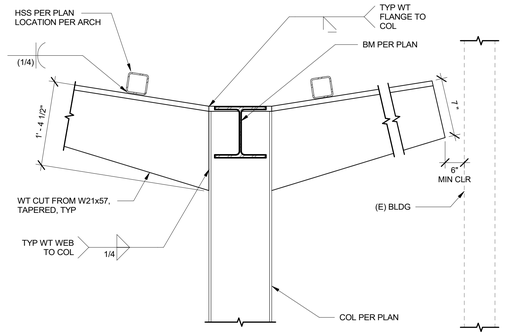
FASTENER SCHEDULE

BASE MATERIAL	FASTENER	JAMBS
CONC	3/8"Ø x 1 7/8" HILTI KWIK HUS EZ ANCHOR	(2) EA SIDE

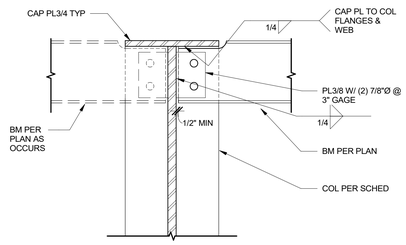


SECTION A-A

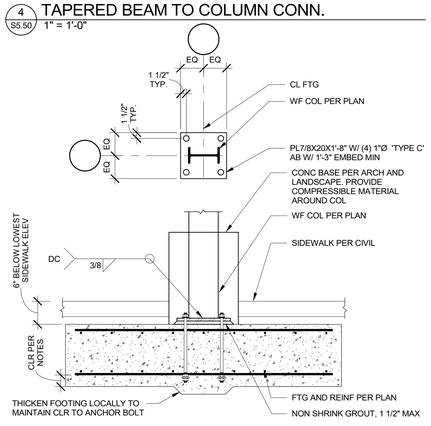
6 S5.50 TYP BOTTOM TRACK ANCHORAGE EXTERIOR WALL
3/4" = 1'-0"



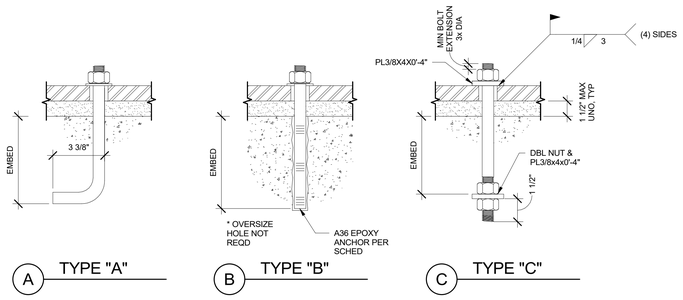
4 S5.50 TAPERED BEAM TO COLUMN CONN.
1" = 1'-0"



5 S5.50 BEAM CONNECTION AT COLUMN
1 1/2" = 1'-0"



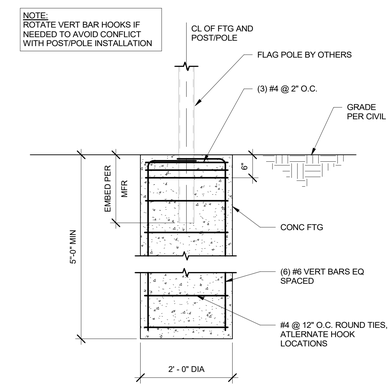
9 S5.50 CANOPY FOOTING
3/4" = 1'-0"



NOTES:
1. MAX SIZE OF BASE PLATE HOLES FOR AB TO BE IN ACCORDANCE W/ AISC TABLE 14-2
2. d = BOLT DIAMETER

17 S5.50 ANCHOR BOLTS
3" = 1'-0"

NOTE:
ROTATE VERT BAR HOOKS IF NEEDED TO AVOID CONFLICT WITH POST/POLE INSTALLATION



20 S5.50 FLAGPOLE FOOTING
3/4" = 1'-0"

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City of Puyallup

Project
Puyallup Public Safety Building
1015 39th Avenue SE, Puyallup, WA, 98374

ANDREW ROBERT TATUM
STATE OF WASHINGTON
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STRUCTURAL ENGINEER
PROFESSIONAL ENGINEER

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REVISION SCHEDULE

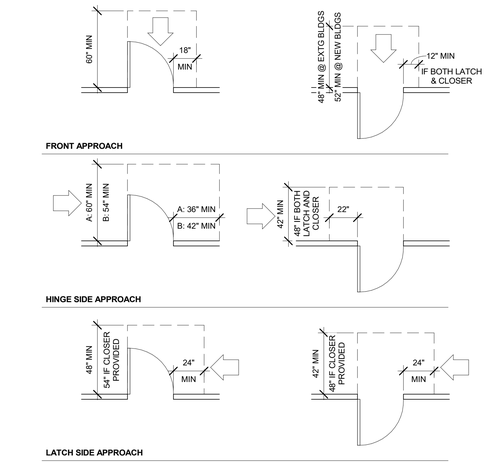
Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
EXTERIOR DETAILS

SHEET
S5.50

JOB NO. **2170269.07**

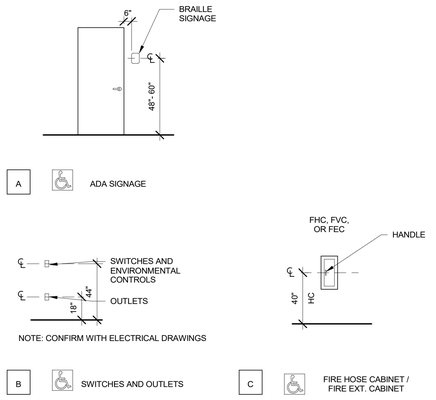
Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/25907-PPSB Benaroya-V23-A.rvt 4/8/2025 10:35:00 AM As indicated



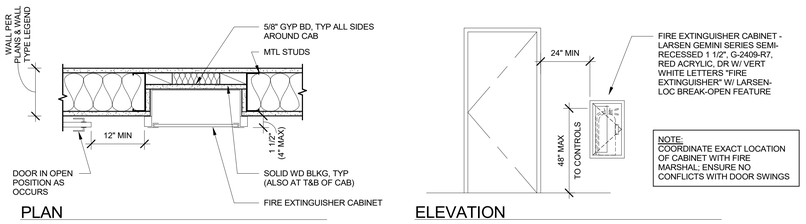
1 A0.01 ADA DOOR CLEARANCES
1/4" = 1'-0"

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



2 A0.01 ADA MOUNTING HEIGHTS
1/4" = 1'-0"



4 A0.01 FIRE EXTINGUISHER CABINET
1 1/2" = 1'-0"

ARCHITECTURAL LEGEND

ANNOTATION SYMBOLS

ELEVATION KEY MARK — 1 / A2.10 — DETAIL # / SHEET #

INTERIOR ELEVATION KEY MARK — 1 / A4.10 — DETAIL # / FILLED ARROW / SHEET #

PARTIAL ELEVATION KEY MARK — 03 / A9.04 — DETAIL # / OPEN ARROW / SHEET #

WALL SECTION KEY MARK — 1 / A101 (SIM) — DETAIL # / OPT. NOTE / OPEN ARROW / SHEET #

ROOM/SPACE IDENTIFICATION — ROOM NAME / 101 — SPACE NAME / SPACE #

DOOR NUMBER SYMBOL — 101

WINDOW TYPE SYMBOL — A

KEYNOTE — ?

GRID LINE — 0

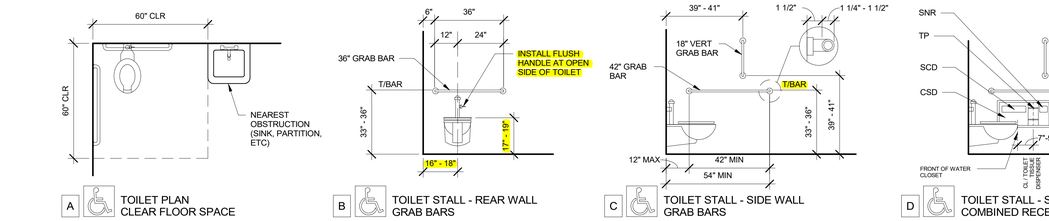
WALL OR PARTITION TYPE SYMBOL — XX / +XX — INDICATES HEIGHT OF WALL ABOVE FINISH FLOOR

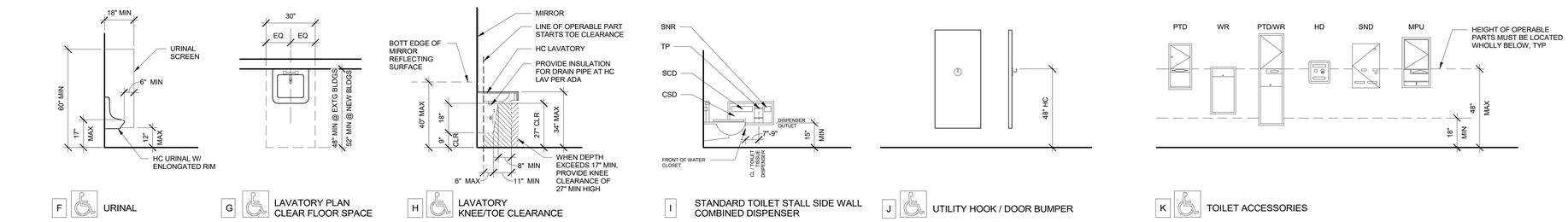
MISC. SYMBOLS

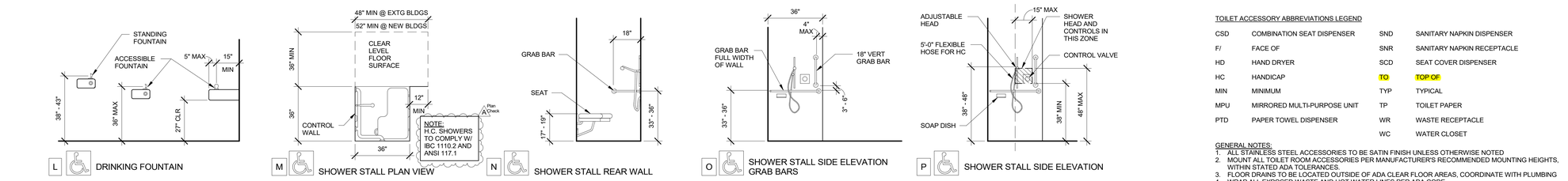
CLEAN OUT	○ CO
DOWNSPOUT LOCATION	○ DS
FLOOR DRAIN	○ FD
FIRE EXTINGUISHER	◆
CONTROL JOINT	CJ
CONSTRUCTION JOINT	CSJT
POUR STRIP	PS

ARCHITECTURAL GENERAL NOTES

A. OVERALL FLOOR PLANS ARE INTENDED TO IDENTIFY ENTIRE FLOOR AREA. REFER TO INDIVIDUAL AREA PLANS FOR SPECIFIC DIMENSIONS, DETAILING, PARTITION TYPES, AND ADDITIONAL INFORMATION.
B. ALL WALLS ARE FULL HEIGHT TO STRUCTURE UNLESS OTHERWISE NOTED.
C. REFER TO STRUCTURAL DRAWINGS FOR FRAMING.
D. WHERE TOP OF WALL MEETS UNDERSIDE OF ROOF DECK, PROVIDE DEFLECTION HEAD AS REQUIRED.
E. REFER TO BUILDING ELEVATIONS FOR EXTERIOR WINDOW TYPE DESIGNATION.
F. REFER TO DOOR SCHEDULE FOR DOOR TYPE DESIGNATION AND ADDITIONAL INFORMATION.
G. REFER TO CODE ANALYSIS PLANS FOR FIRE EXTINGUISHER LOCATIONS.
H. PROVIDE BLOCKING AS REQUIRED ADJACENT TO FIRE EXTINGUISHERS FOR OWNER INSTALLED AED STATIONS.
I. COORDINATE ALL EXTERIOR WALL PENETRATIONS AMONG AFFECTED DISCIPLINES.
J. WATERPROOFING SYSTEMS AND THEIR INSTALLATIONS SHALL BE SUITABLE FOR THEIR INTENDED PURPOSES.
K. PROVIDE APPROPRIATE AND COMPLETE SEALANT OF ALL PENETRATIONS THROUGH EXTERIOR ASSEMBLIES. SEAL VOIDS BETWEEN SLEEVES, CONDUITS, AND OTHER PENETRATIONS WITH APPROPRIATE JOINT SEALANT. CONTRACTOR TO ASSURE PROPER SEALANT OF ALL VOIDS AT OPENINGS AND PENETRATIONS.
L. FURNITURE AND EQUIPMENT LABELED OFOI IS BY OTHERS AND SHOWN FOR REFERENCE ONLY.
M. CONTRACTOR TO COORDINATE WALL AND FLOOR MOUNTED FURNITURE, INCLUDING BUT NOT LIMITED TO, CABINETRY, PROJECTION SCREENS, WHITE BOARDS, TELEVISIONS, ETC. AND PROVIDE NECESSARY BLOCKING AS REQUIRED.
N. CONTRACTOR SHALL COORDINATE DELIVERY AND INSTALLATION OF OWNER FURNISHED EQUIPMENT WITH THE OWNER.
O. DRAWINGS INCLUDE COLOR CODING FOR RATED WALLS AND SHOULD BE PRINTED IN COLOR.
P. ALL DIMENSIONS ARE TO FACE OF FINISH, CENTERLINE OF COLUMN OR EXTERIOR FACE OF EXTERIOR WALL, UNLESS OTHERWISE NOTED. ALIGN FINISHES WHERE INDICATED.
Q. WALL THICKNESSES ARE ACTUAL UNLESS OTHERWISE NOTED.
R. DIMENSIONS MARKED "CLR" ARE FROM FINISH SURFACE TO FINISH SURFACE. DIMENSIONS WITH THIS MARK TAKE PRIORITY OVER ADJACENT DIMENSIONS. DIMENSIONS ADJACENT TO LATCH SIDE OF DOORS INDICATE REQUIRED CLEARANCES BETWEEN CLEAR DOOR OPENING AND ADJACENT FINISH.
S. ALL DIMENSIONS SHOWN AS PLUS/MINUS (+/-) ARE FOR GENERAL LAYOUT AND REFERENCE ONLY.
T. DOORS NOT DIMENSIONED ARE TO BE LOCATED 4" FROM FACE OF WALL TO OUTSIDE EDGE OF JAMB.
U. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. ELECTRICAL CONTRACTOR TO CONFIRM ALL LOCATIONS AND REQUIREMENTS PRIOR TO START OF CONSTRUCTION.
V. COORDINATE AND REFER TO MECHANICAL AND ELECTRICAL DISCIPLINES FOR SPECIFIC INFORMATION, LOCATIONS, DIMENSIONS, CONNECTIONS, AND PENETRATIONS.
W. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION.
X. ALL RATED CONSTRUCTION ASSEMBLIES EXTEND FROM FLOOR STRUCTURE TO UNDERSIDE OF STRUCTURE AND DECKING ABOVE UNLESS OTHERWISE NOTED.
Y. PROVIDE TYPE 'X' GYPSUM BOARD AT ALL FIRE RATED WALLS AND PARTITIONS. REFER TO CODE SUMMARY DRAWINGS AND FLOOR PLANS FOR SCOPE OF FIRE RATED WALLS.
Z. ALL PENETRATIONS AND VOIDS THROUGH FIRE-RATED ASSEMBLIES TO BE FIRE STOPPED WITH APPROVED MATERIALS.
AA. PROVIDE FIRE BLOCKING AS REQUIRED.
BB. REFER TO STRUCTURAL DRAWINGS FOR FRAMING, SLAB EDGE, FLOOR OPENINGS INFORMATION.
CC. PAINT ALL EXPOSED STEEL.
DD. ALL EXPOSED EXTERIOR STEEL TO BE GALVANIZED OR STAINLESS.







TOILET ACCESSORY ABBREVIATIONS LEGEND

CSD	COMBINATION SEAT DISPENSER	SND	SANITARY NAPKIN DISPENSER
F/	FACE OF	SNR	SANITARY NAPKIN RECEPTACLE
HD	HAND DRYER	SCD	SEAT COVER DISPENSER
HC	HANDICAP	TO	TOP OF
MIN	MINIMUM	TYP	TYPICAL
MPU	MIRRORED MULTI-PURPOSE UNIT	TP	TOILET PAPER
PTD	PAPER TOWEL DISPENSER	WR	WASTE RECEPTACLE
		WC	WATER CLOSET

GENERAL NOTES:
1. ALL STAINLESS STEEL ACCESSORIES TO BE SATIN FINISH UNLESS OTHERWISE NOTED.
2. MOUNT ALL TOILET ROOM ACCESSORIES PER MANUFACTURER'S RECOMMENDED MOUNTING HEIGHTS, WITHIN STATED ADA TOLERANCES.
3. FLOOR DRAINS TO BE LOCATED OUTSIDE OF ADA CLEAR FLOOR AREAS, COORDINATE WITH PLUMBING
4. WRAP ALL EXPOSED WASTE AND HOT WATER LINES PER ADA CODE

3 A0.01 ADA TOILET ROOM CLEARANCES AND MOUNTING HEIGHTS
3/8" = 1'-0"

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11049 REGISTERED ARCHITECT
Brent Lee Hanson
STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Plan Check Response 1	04/09/2025

SHEET TITLE:
ARCHITECTURAL GENERAL NOTES AND SYMBOLS, AND TYPICAL ADA DETAILS

SHEET
A0.01

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025

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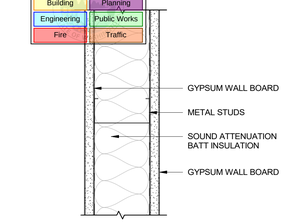


P1A - 5/8" GYPSUM BOARD
- 3 5/8" METAL STUDS
- BATT INSULATION
- 5/8" GYPSUM BOARD

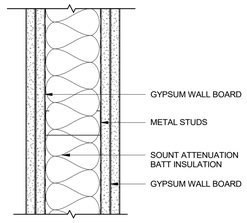
P1B - 5/8" GYPSUM BOARD
- 6" METAL STUDS
- BATT INSULATION
- 5/8" GYPSUM BOARD

RATINGS:
FIRE: 1-HR WHERE NOTED ON PLANS, ASSEMBLY TO MEET UL 419

Plan Check B

P1 TYPICAL WALL

P1 TYPICAL WALL
A0.02 3" = 1'-0"



P2A - 5/8" GYPSUM BOARD
- 5/8" GYPSUM BOARD
- 3 5/8" METAL STUDS
- SOUND ATTENUATION
BATT INSULATION
- 5/8" GYPSUM BOARD

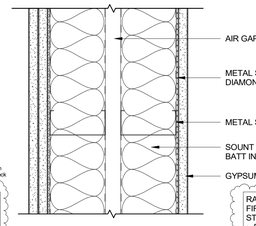
P2B - 5/8" GYPSUM BOARD
- 5/8" GYPSUM BOARD
- 3 5/8" METAL STUDS
- SOUND ATTENUATION
BATT INSULATION
- 5/8" GYPSUM BOARD
- 5/8" GYPSUM BOARD

RATINGS:
FIRE: 1-HR WHERE NOTED ON PLANS
STC:
- P2A STC-50, ASSEMBLY TO MEET UL 419
- P2B STC-55, ASSEMBLY TO MEET UL 419

Plan Check B

P2 ACOUSTIC WALL

P2 ACOUSTIC WALL
A0.02 3" = 1'-0"



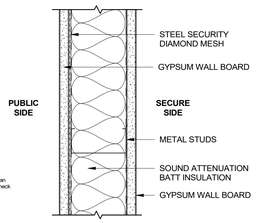
P3A - 5/8" GYPSUM BOARD
- 5/8" GYPSUM BOARD
- METAL SECURITY
DIAMOND MESH
- 3 5/8" METAL STUDS
- SOUND ATTENUATION
BATT INSULATION
- 1" AIR GAP
- SOUND ATTENUATION
BATT INSULATION
- 3 5/8" METAL STUDS
- METAL SECURITY
DIAMOND MESH
- 5/8" GYPSUM BOARD

RATINGS:
FIRE: 1-HR WHERE NOTED ON PLANS
STC:
- P3A STC-62, ASSEMBLY TO MEET UL U493

Plan Check B

P3 DOUBLE STUD ACOUSTIC WALL

P3 DOUBLE STUD ACCOUSTIC WALL
A0.02 3" = 1'-0"



P4A - 5/8" GYPSUM BOARD
- 3 5/8" METAL STUDS
- SOUND ATTENUATION
BATT INSULATION
- STEEL SECURITY
DIAMOND MESH
- 5/8" GYPSUM BOARD

P4B - 5/8" GYPSUM BOARD
- 5/8" GYPSUM BOARD
- 3 5/8" METAL STUDS
- SOUND ATTENUATION
BATT INSULATION
- STEEL SECURITY
DIAMOND MESH
- 5/8" GYPSUM BOARD

P4C - 5/8" GYPSUM BOARD
- 5/8" GYPSUM BOARD
- 3 5/8" METAL STUDS
- SOUND ATTENUATION
BATT INSULATION
- STEEL SECURITY
DIAMOND MESH
- 5/8" GYPSUM BOARD
- 5/8" GYPSUM BOARD

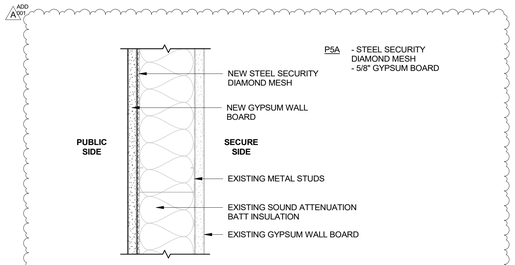
P4D - 5/8" GYPSUM BOARD
- 5/8" GYPSUM BOARD
- 6" METAL STUDS
- SOUND ATTENUATION
BATT INSULATION
- STEEL SECURITY
DIAMOND MESH
- 5/8" GYPSUM BOARD
- 5/8" GYPSUM BOARD

RATINGS:
FIRE: 1-HR OR 2-HR WHERE NOTED ON PLANS
STC:
- P4B STC-50, ASSEMBLY TO MEET UL 419
- P4C STC-55, ASSEMBLY TO MEET UL 419 - 2 HR RATED ASSEMBLY

Plan Check B

P4 SECURITY WALL

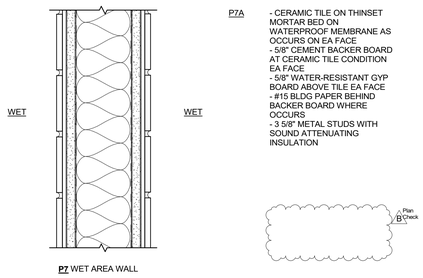
P4 SECURITY WALL
A0.02 3" = 1'-0"



P5A - STEEL SECURITY
DIAMOND MESH
- 5/8" GYPSUM BOARD

P5 MODIFIED EXISTING WALL TO SECURITY WALL

P5 MODIFIED EXISTING WALL TO SECURITY WALL
A0.02 3" = 1'-0"

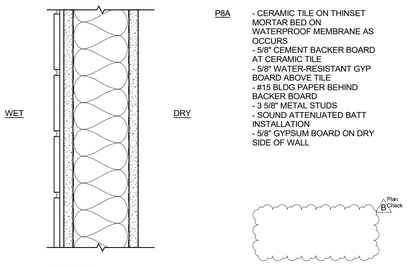


P7A - CERAMIC TILE ON THINSET
MORTAR BED ON
WATERPROOF MEMBRANE AS
OCCURS ON EA FACE
- 5/8" CEMENT BACKER BOARD
AT CERAMIC TILE CONDITION
EA FACE
- 5/8" WATER-RESISTANT GYP
BOARD ABOVE TILE EA FACE
- #15 BLDG PAPER BEHIND
BACKER BOARD WHERE
OCCURS
- 3 5/8" METAL STUDS WITH
SOUND ATTENUATING
INSULATION

Plan Check B

P7 WET AREA WALL

P7 TYPICAL WET AREA WALL
A0.02 3" = 1'-0"

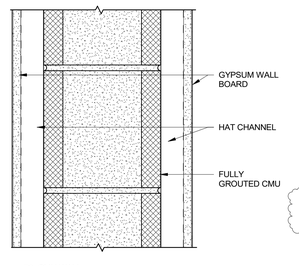


P8A - CERAMIC TILE ON THINSET
MORTAR BED ON
WATERPROOF MEMBRANE AS
OCCURS
- 5/8" CEMENT BACKER BOARD
AT CERAMIC TILE
- 5/8" WATER-RESISTANT GYP
BOARD ABOVE TILE
- #15 BLDG PAPER BEHIND
BACKER BOARD
- 3 5/8" METAL STUDS
- SOUND ATTENUATED BATT
INSTALLATION
- 5/8" GYPSUM BOARD ON DRY
SIDE OF WALL

Plan Check B

P8 WET/DRY WALL

P8 WET / DRY WALL
A0.02 3" = 1'-0"



P9A - 8" FULLY GROUTED CMU PER STRUCTURAL
- BLOCK FILLER
- PAINT FINISH

P9B - 8" FULLY GROUTED CMU PER STRUCTURAL
- 1 1/2" HAT CHANNEL
- 5/8" GYPSUM BOARD

P9C - 5/8" GYPSUM BOARD
- 1 1/2" HAT CHANNEL
- 8" FULLY GROUTED CMU PER STRUCTURAL
- 1 1/2" HAT CHANNEL
- 5/8" GYPSUM BOARD

Plan Check B

NOTE: CMU WALLS TO EXTEND TO 12'-8" AFF, UNO. WALLS ABOVE CMU PER PLAN

P9 CMU WALL

P9 CMU WALL
A0.02 3" = 1'-0"

P11A - 5/8" GYPSUM BOARD
- BALLISTIC PANEL
- 3 5/8" METAL STUDS
- METAL SECURITY
DIAMOND MESH
- BATT INSULATION
- 5/8" GYPSUM BOARD

P11B - 5/8" GYPSUM BOARD
- 5/8" GYPSUM BOARD
- BALLISTIC PANEL
- METAL SECURITY
DIAMOND MESH
- 3 5/8" METAL STUDS
- BATT INSULATION
- 5/8" GYPSUM BOARD

P11 BALLISTIC WALL

P11 BALLISTIC WALL - INTERIOR
A0.02 3" = 1'-0"

P12 - 2 1/2" METAL STUDS
- BATT INSULATION
- 5/8" GYPSUM BOARD

P12 FURRING WALL

P12 FURRING WALL
A0.02 3" = 1'-0"

P13A - EXISTING WALL
- METAL SECURITY
DIAMOND MESH
- 5/8" GYPSUM BOARD

P13B - METAL SECURITY
DIAMOND MESH
- 5/8" GYPSUM BOARD
- 5/8" GYPSUM BOARD

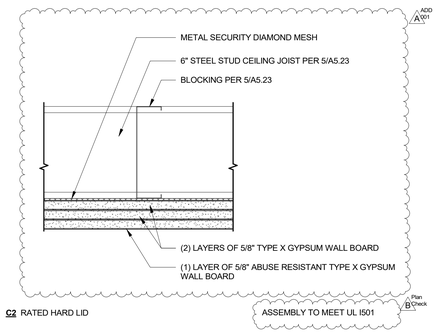
P13 FURRING ASSEMBLY

P13 FURRING ASSEMBLY
A0.02 3" = 1'-0"

P14A - 5/8" GYPSUM BOARD
- 5/8" SHEATHING
- 3 5/8" METAL STUDS
- SOUND ATTENUATION BATT
INSULATION
- CAVITY
- 3 5/8" METAL STUDS
- SOUND ATTENUATION BATT
INSULATION
- 5/8" GYPSUM BOARD

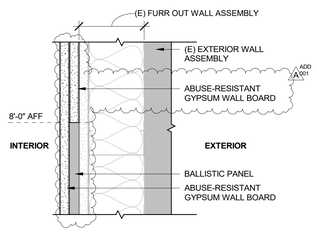
P14 DOUBLE STUD PLUMBING WALL

P14 DOUBLE STUD PLUMBING WALL
A0.02 3" = 1'-0"



C2 RATED HARD LID

C2 (1) HOUR RATED HARD LID
A0.02 3" = 1'-0"



P15 BALLISTIC WALL - EXTERIOR
A0.02 3" = 1'-0"

PARTITION TYPES

PARTITION TYPES ARE REFERENCED ON PLANS AND IN DETAILS AS FOLLOWS:

PARTITION TYPE: (P1, P2, P3,...) GENERAL DESCRIPTION AND PURPOSE
PARTITION VARIATION: (A, B, C,...) DETAILED DESCRIPTION OF ASSEMBLY

PARTITION NOTES

1. PROVIDE METAL STUD GAUGE TO ACCOMMODATE PARTITION HEIGHT AND MAXIMUM DEFLECTION OF L/240 IN ACCORDANCE WITH SSMA (STEEL STUD MANUFACTURERS ASSOCIATION) LOAD TABLES. SEE STRUCTURAL DRAWINGS FOR STUD GAGE AND SPACING TABLE: PER S0.20
2. ALL WALLS ARE 6" ABOVE CEILING HEIGHT (FRAMING TO THE BOTTOM OF DECK OR STRUCTURE ABOVE) OR ARE FULL HEIGHT PER FLOOR PLANS AND PARTITION TYPE. WALLS TO 6" ABOVE CEILING TO BE FRAMED PER A5.21 AND STRUCTURAL DRAWINGS, WHICH DEFINE INTERIOR STUD REQUIREMENTS AND TOP OF WALL CONDITIONS FOR WALLS 8" ABOVE THE CEILING OR FULL HEIGHT.
3. ALL SECURITY, BALLISTIC, AND FIRE-RATED PARTITIONS SHALL EXTEND TO BOTTOM OF DECK ABOVE. PROVIDE RATED PENETRATIONS AS REQUIRED. REFER TO PLANS FOR EXTENTS
4. PER SPECIFICATION, ELEVATIONS AND PLANS PLACE CONTROL JOINTS CONSISTENT WITH LINES OF BUILDING SPACES AND AS INDICATED, NOT MORE THAN 30 FEET APART ON WALLS AND CEILINGS OVER 50 FEET LONG. AT EXTERIOR SOFFITS, NOT MORE THAN 30 FEET APART IN BOTH DIRECTIONS
5. ALL WALLS WITH CERAMIC TILE, WAINSCOT W/ PLYWOOD SUBSTRATE OR MIRROR SHALL USE MIN. 33 MIL STUDS
6. TERMINATE BARRIER AND ANTI-FRACTURE MEMBRANE 2" BELOW TOP OF TILE WAINSCOT AS OCCURS
7. REFER TO SPECIFICATIONS FOR WATERPROOF MEMBRANE, THINSET, AND GROUT REQUIREMENTS
TILE INSTALLATION TO COMPLY W/ TCA HANDBOOK GUIDELINES

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Project
Puyallup Public Safety Building
1015 39th Avenue SE, Puyallup, WA, 98374

11049 REGISTERED ARCHITECT
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STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025
B	Plan Check Response 1	04/09/2025

SHEET TITLE:
PARTITION TYPES

SHEET
A0.02

JOB NO. **2170269.07**

4/8/2025 2:59:54 PM As Indicated

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Engineering	Public Works
Fire	Traffic

1 AD1.10 OVERALL FIRST FLOOR DEMOLITION PLAN
1/16" = 1'-0"

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Delta	Issued As	Issue Date

SHEET TITLE:
OVERALL FIRST FLOOR DEMOLITION PLAN

SHEET
AD1.10

JOB NO. 2170269.07

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PARTIAL FIRST FLOOR DEMOLITION PLAN - AREA A
1/8" = 1'-0"

GENERAL NOTES

A. REFER TO ARCHITECTURAL GENERAL NOTES ON G0.03 FOR ADDITIONAL INFORMATION.
B. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
C. INFORMATION SHOWN ON DRAWINGS HAS BEEN TAKEN FROM LIMITED FIELD OBSERVATIONS OF EXISTING CONDITIONS AND AS-BUILT DRAWINGS. CONTRACTOR TO VERIFY EXISTING CONDITIONS.
D. CAP ALL ABANDONED PLUMBING, ELECTRICAL CONDUIT, AND OTHER UNDER SLAB UTILITIES AS REQUIRED. CONTRACTOR TO NOTE ON ALL AS-BUILTS ALL CAPPED LOCATIONS.
E. PATCH AND REPAIR EXISTING WALLS WHERE CONNECTING WALLS ARE REMOVED.
F. RETURN EXTERIOR WINDOW MULLIONS TO LIKE NEW CONDITION AT ALL DEMOLISHED WALL LOCATIONS.
G. REMOVE ALL FLOOR FINISHES AND ADHESIVES AT AREA OF WORK. PREPARE FOR NEW WORK. REFER TO FLOOR FINISH PLAN.
H. PROVIDE CONTINGENCY FOR EXTENSIVE ADHESIVE REMOVAL ONLY AT AREAS TO RECEIVE FINISH CONCRETE FLOORING.
I. PATCH AND REPAIR DRYWALL AT EXISTING WALLS WHERE NEW ELECTRICAL CONDUIT IS NOTED, REFER TO ELECTRICAL DRAWINGS.

ADD A 001

LEGEND

- EXISTING TO REMAIN (NO WORK IN THIS AREA)
- AREA OF SLAB TO BE DEMOLISHED
- CONSTRUCTION TO REMAIN.
- EXISTING WALL OR ITEM TO BE DEMOLISHED, UNLESS OTHERWISE NOTED.
- EXISTING DOOR TO BE DEMOLISHED, UNLESS OTHERWISE NOTED.

KEYNOTES

00-01	NO WORK IN THIS AREA
02-07	REMOVE EXISTING OPERABLE PARTITION
02-08	REMOVE EXISTING COUNTERTOP AND CASEWORK
02-09	REMOVE EXISTING COAT ROD AND SHELF
02-19	DEMOLISH SLAB AS REQUIRED FOR NEW PLUMBING. REFER TO PLUMBING
02-20	EXCAVATE EXISTING SLAB AS REQUIRED FOR FLOOR BOXES. REFER TO ELECTRICAL

KEY PLAN

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
PARTIAL FIRST FLOOR DEMOLITION PLAN - AREA A

SHEET
AD1.11

JOB NO. **2170269.07**

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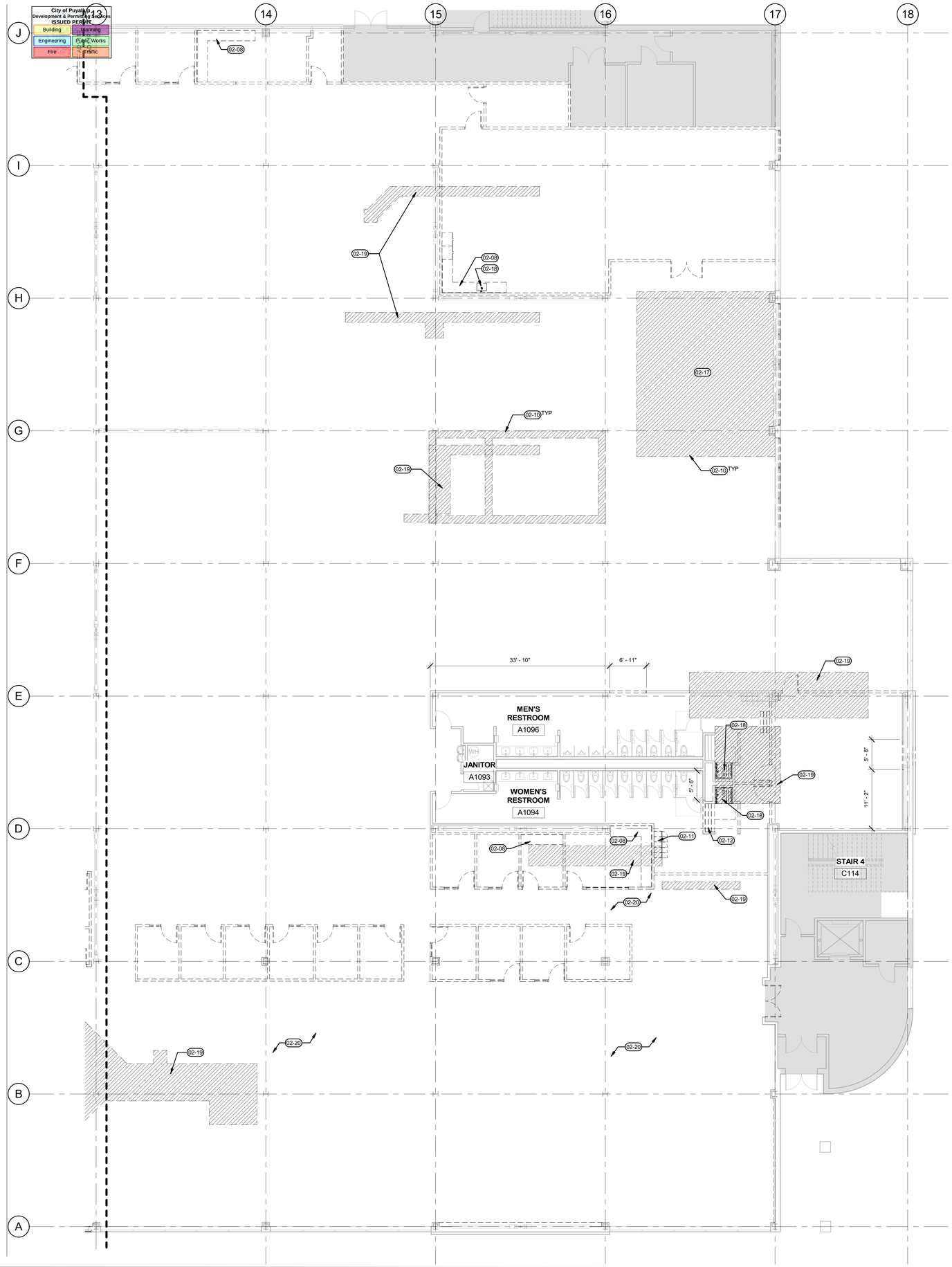


GENERAL NOTES

A. REFER TO ARCHITECTURAL GENERAL NOTES ON G0.03 FOR ADDITIONAL INFORMATION.
B. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
C. INFORMATION SHOWN ON DRAWINGS HAS BEEN TAKEN FROM LIMITED FIELD OBSERVATIONS OF EXISTING CONDITIONS AND AS-BUILT DRAWINGS. CONTRACTOR TO VERIFY EXISTING CONDITIONS.
D. CAP ALL ABANDONED PLUMBING, ELECTRICAL CONDUIT, AND OTHER UNDER SLAB UTILITIES AS REQUIRED. CONTRACTOR TO NOTE ON ALL AS-BUILTS ALL CAPPED LOCATIONS.
E. PATCH AND REPAIR EXISTING WALLS WHERE CONNECTING WALLS ARE REMOVED.
F. RETURN EXTERIOR WINDOW MULLIONS TO LIKE NEW CONDITION AT ALL DEMOLISHED WALL LOCATIONS.
G. REMOVE ALL FLOOR FINISHES AND ADHESIVES AT AREA OF WORK. PREPARE FOR NEW WORK. REFER TO FLOOR FINISH PLAN.
ADD A101 H. PROVIDE CONTINGENCY FOR EXTENSIVE ADHESIVE REMOVAL ONLY AT AREAS TO RECEIVE FINISH CONCRETE FLOORING.
I. PATCH AND REPAIR DRYWALL AT EXISTING WALLS WHERE NEW ELECTRICAL CONDUIT IS NOTED, REFER TO ELECTRICAL DRAWINGS.

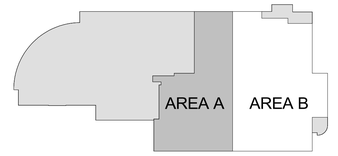
LEGEND

- EXISTING TO REMAIN (NO WORK IN THIS AREA)
- AREA OF SLAB TO BE DEMOLISHED
- CONSTRUCTION TO REMAIN.
- EXISTING WALL OR ITEM TO BE DEMOLISHED, UNLESS OTHERWISE NOTED.
- EXISTING DOOR TO BE DEMOLISHED, UNLESS OTHERWISE NOTED.

KEYNOTES

02-08 REMOVE EXISTING COUNTERTOP AND CASEWORK
02-10 DEMOLISH SLAB AS REQUIRED CENTERED UNDER NEW CMU WALLS FOR NEW FOOTINGS
02-11 REMOVE AND SALVAGE LOCKERS FOR REUSE
02-12 REMOVE AND SALVAGE WOOD BENCH FOR REUSE
02-17 REFER TO PLUMBING DRAWINGS FOR NEW PLUMBING FIXTURES / DRAINS IN THIS LOCATION.
02-18 REMOVE AND SALVAGE EXISTING PLUMBING FIXTURES
02-19 DEMOLISH SLAB AS REQUIRED FOR NEW PLUMBING. REFER TO PLUMBING
02-20 EXCAVATE EXISTING SLAB AS REQUIRED FOR FLOOR BOXES. REFER TO ELECTRICAL

KEY PLAN



1 AD1.12 PARTIAL FIRST FLOOR DEMOLITION PLAN - AREA B
1/8" = 1'-0"

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Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
PARTIAL FIRST FLOOR DEMOLITION PLAN - AREA B

SHEET
AD1.12

JOB NO. **2170269.07**

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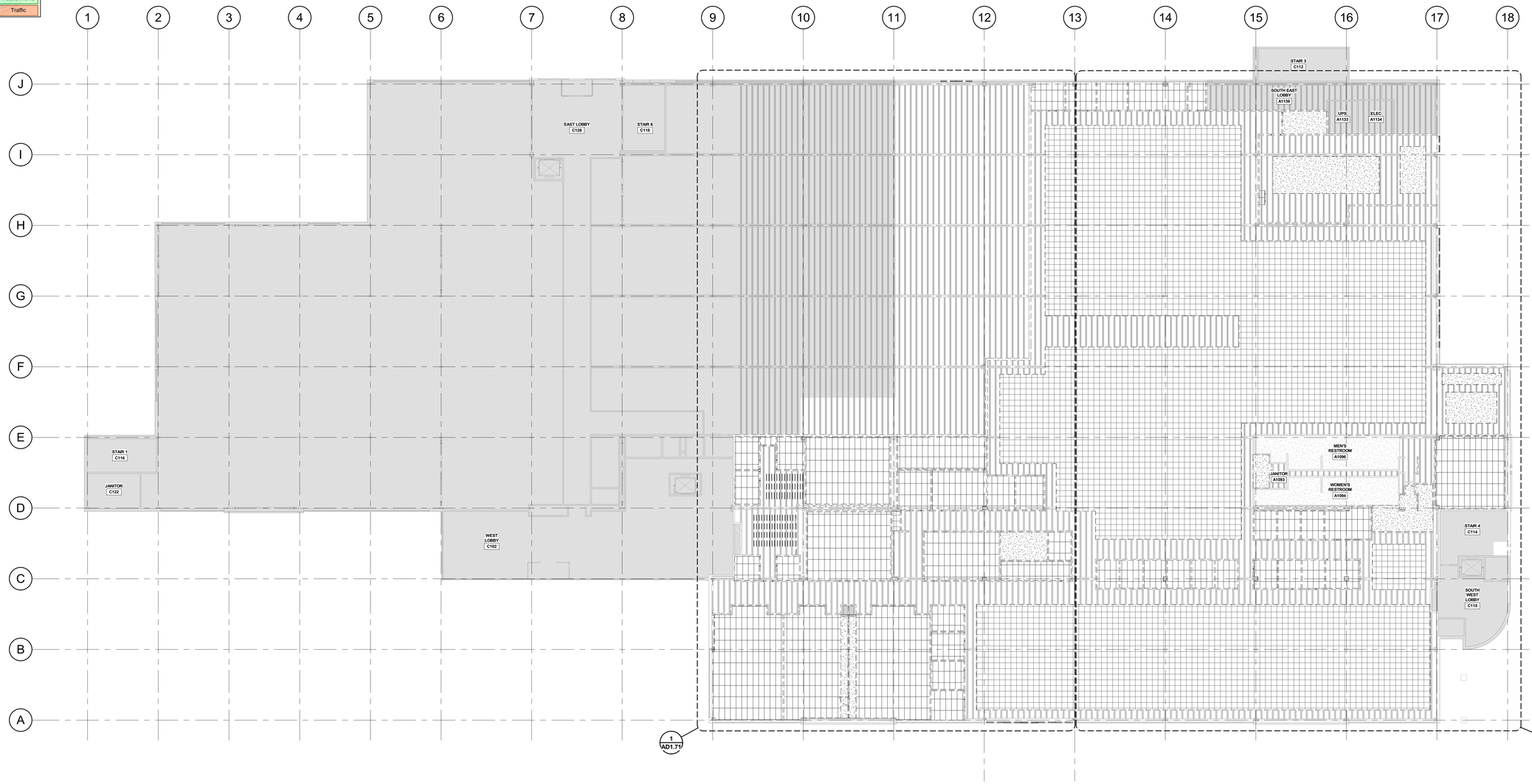
Building	Planning
Engineering	Public Works
Fire	Traffic



1 AD1.70 OVERALL FIRST FLOOR DEMOLITION REFLECTED CEILING PLAN
1/16" = 1'-0"

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SHEET TITLE:
OVERALL FIRST FLOOR DEMOLITION REFLECTED CEILING PLAN

SHEET
AD1.70

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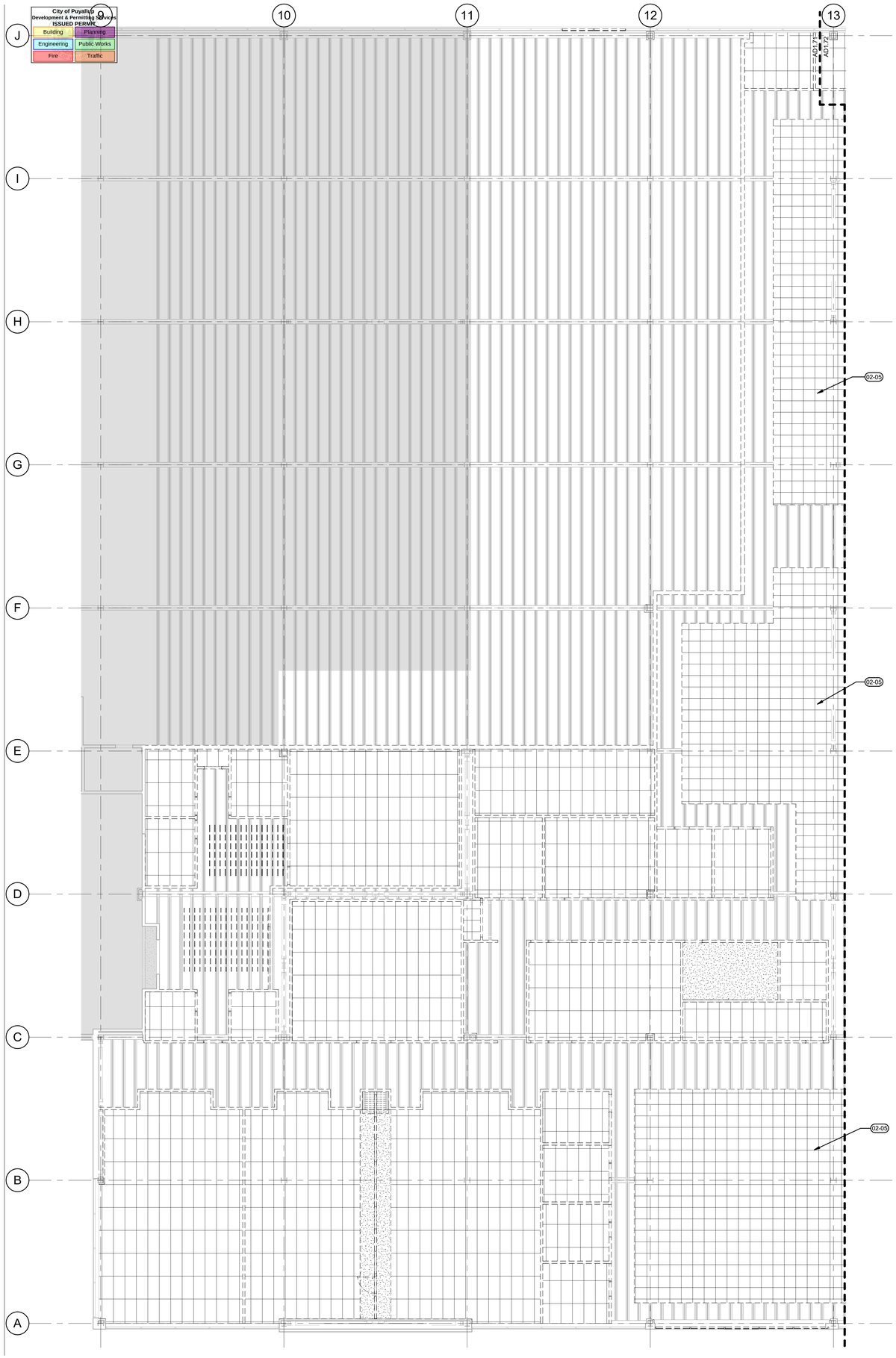

GENERAL NOTES

A. REFER TO ARCHITECTURAL GENERAL NOTES ON A0.01 FOR ADDITIONAL INFORMATION.
B. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
C. ALL EXISTING CONDITIONS TO REMAIN, UNLESS NOTED OTHERWISE.
D. REMOVE EXISTING CEILING GRID, ACOUSTICAL CEILING TILES, AND LIGHTING IN ALL AREAS WITHIN SCOPE OF WORK.
E. SALVAGE EXISTING LIGHTING FIXTURES FOR REUSE WHEN POSSIBLE (REFER TO ELECTRICAL).
F. REMOVE EXISTING METAL WINDOW BLINDS AND WINDOW SHADES WITHIN SCOPE OF WORK.

LEGEND

- EXISTING TO REMAIN (NO WORK IN THIS AREA)
- 2'X2' SUSPENDED CEILING GRID TO BE DEMOLISHED
- 2'X4' SUSPENDED CEILING GRID WITH ACOUSTIC CEILING TILE TO BE DEMOLISHED
- GWB ON METAL STUD TO BE DEMOLISHED
- (EXISTING) GWB ON METAL STUD TO REMAIN
- ACOUSTIC CEILING BAFFLES TO BE DEMOLISHED

KEYNOTES

02-05 REMOVE EXISTING SUSPENDED CEILING GRID WITH NO ACOUSTIC CEILING TILE INSTALLATION, OPEN TO ABOVE

KEY PLAN

1 AD1.71 PARTIAL FIRST FLOOR DEMOLITION CEILING PLAN - AREA A
1/8" = 1'-0"

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SHEET TITLE:
PARTIAL FIRST FLOOR DEMOLITION REFLECTED CEILING PLAN - AREA A

SHEET
AD1.71

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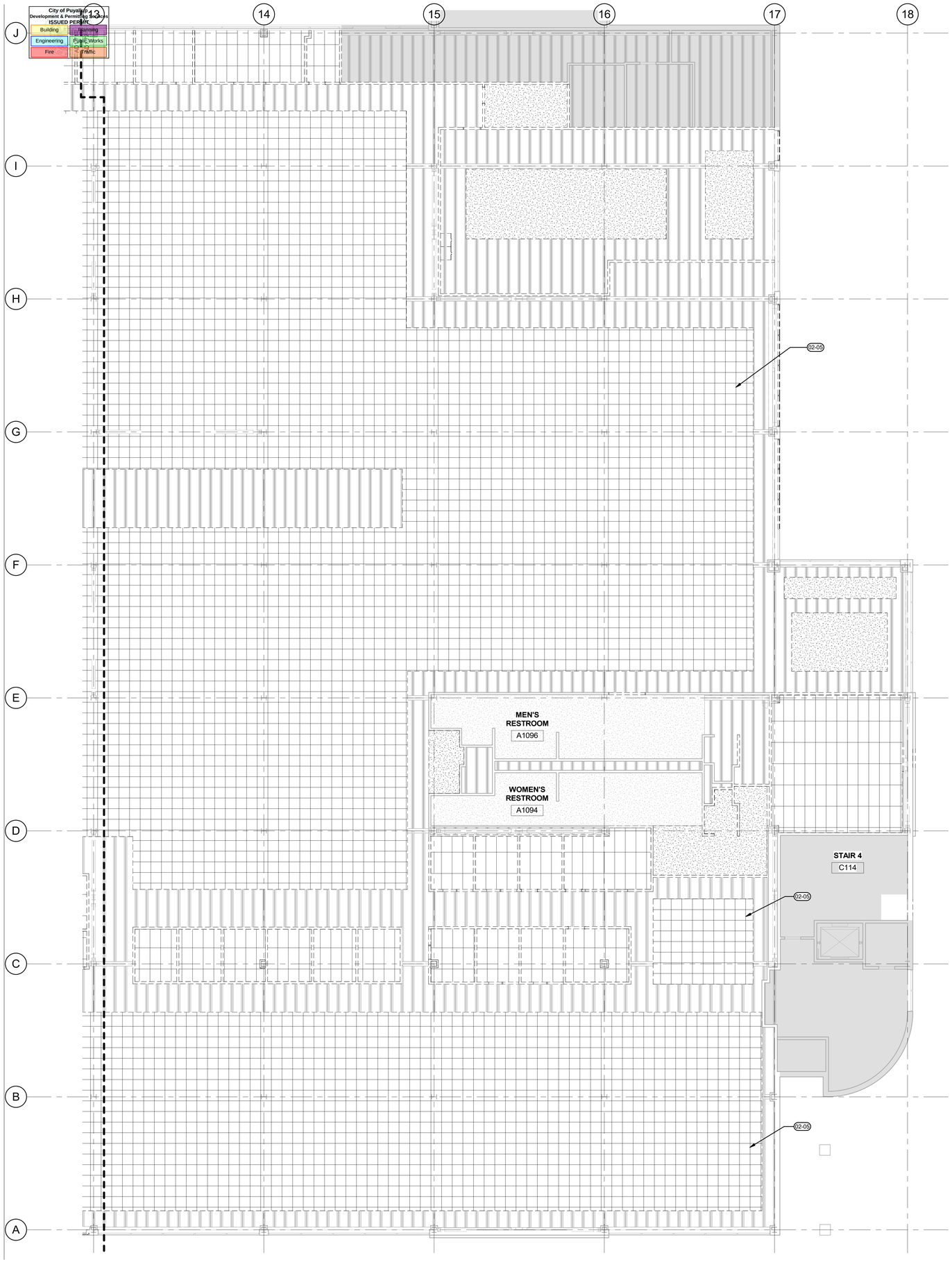

GENERAL NOTES

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B. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
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D. REMOVE EXISTING CEILING GRID, ACOUSTICAL CEILING TILES, AND LIGHTING IN ALL AREAS WITHIN SCOPE OF WORK.
E. SALVAGE EXISTING LIGHTING FIXTURES FOR REUSE WHEN POSSIBLE (REFER TO ELECTRICAL).
F. REMOVE EXISTING METAL WINDOW BLINDS AND WINDOW SHADES WITHIN SCOPE OF WORK.

LEGEND

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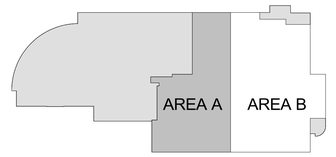
- GWB ON METAL STUD TO BE DEMOLISHED
- (EXISTING) GWB ON METAL STUD TO REMAIN
- ACOUSTIC CEILING BAFFLES TO BE DEMOLISHED

KEYNOTES

02-05 REMOVE EXISTING SUSPENDED CEILING GRID WITH NO ACOUSTIC CEILING TILE INSTALLATION, OPEN TO ABOVE

KEY PLAN



1 AD1.72 PARTIAL FIRST FLOOR DEMOLITION CEILING PLAN - AREA B
1/8" = 1'-0"

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
PARTIAL FIRST FLOOR DEMOLITION REFLECTED CEILING PLAN - AREA B

SHEET
AD1.72

JOB NO. **2170269.07**

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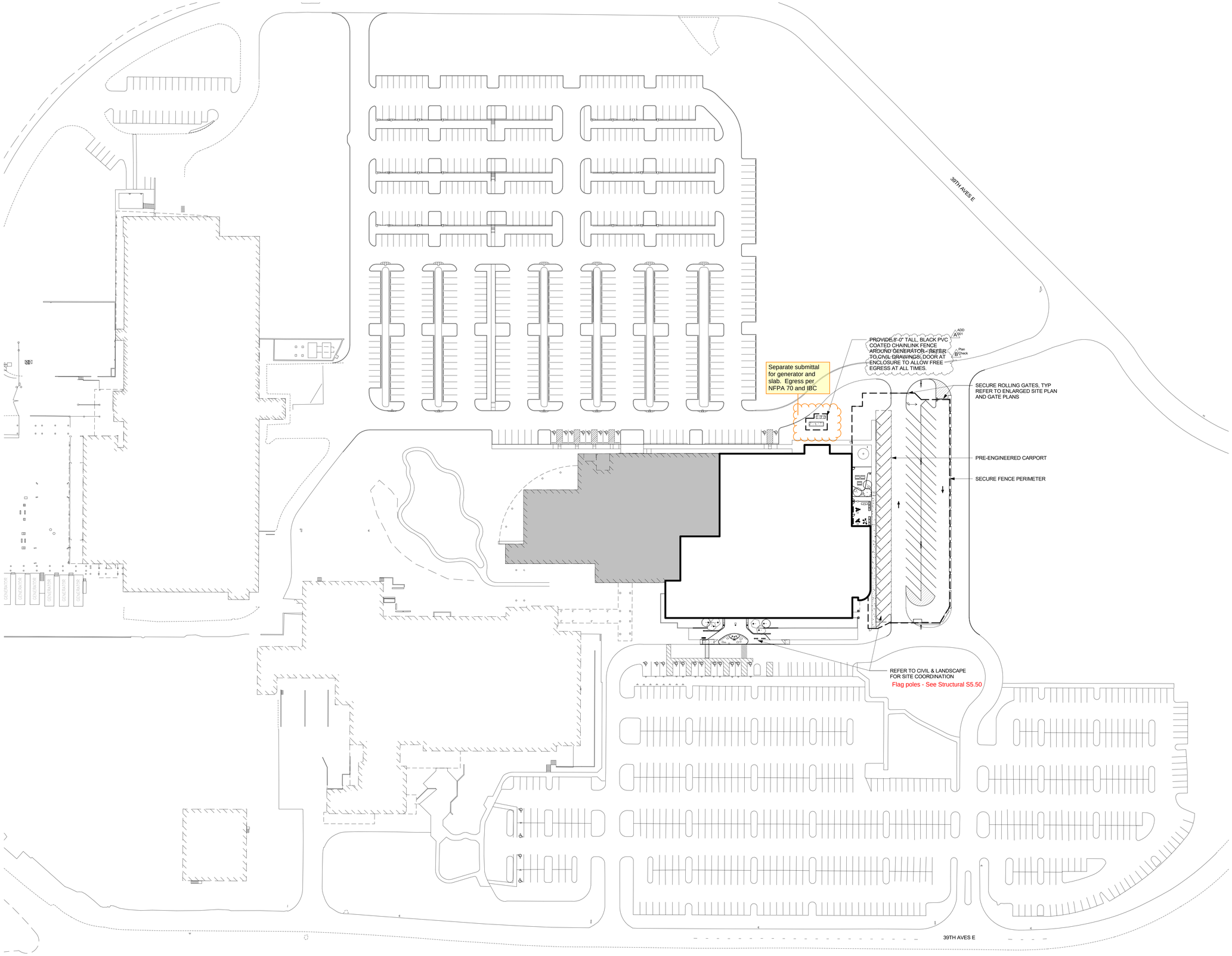

1 A1.00 ARCHITECTURAL SITE PLAN
1" = 50'-0"

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Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025
B	Plan Check Response 1	04/09/2025

SHEET TITLE:
ARCHITECTURAL SITE PLAN

SHEET
A1.00

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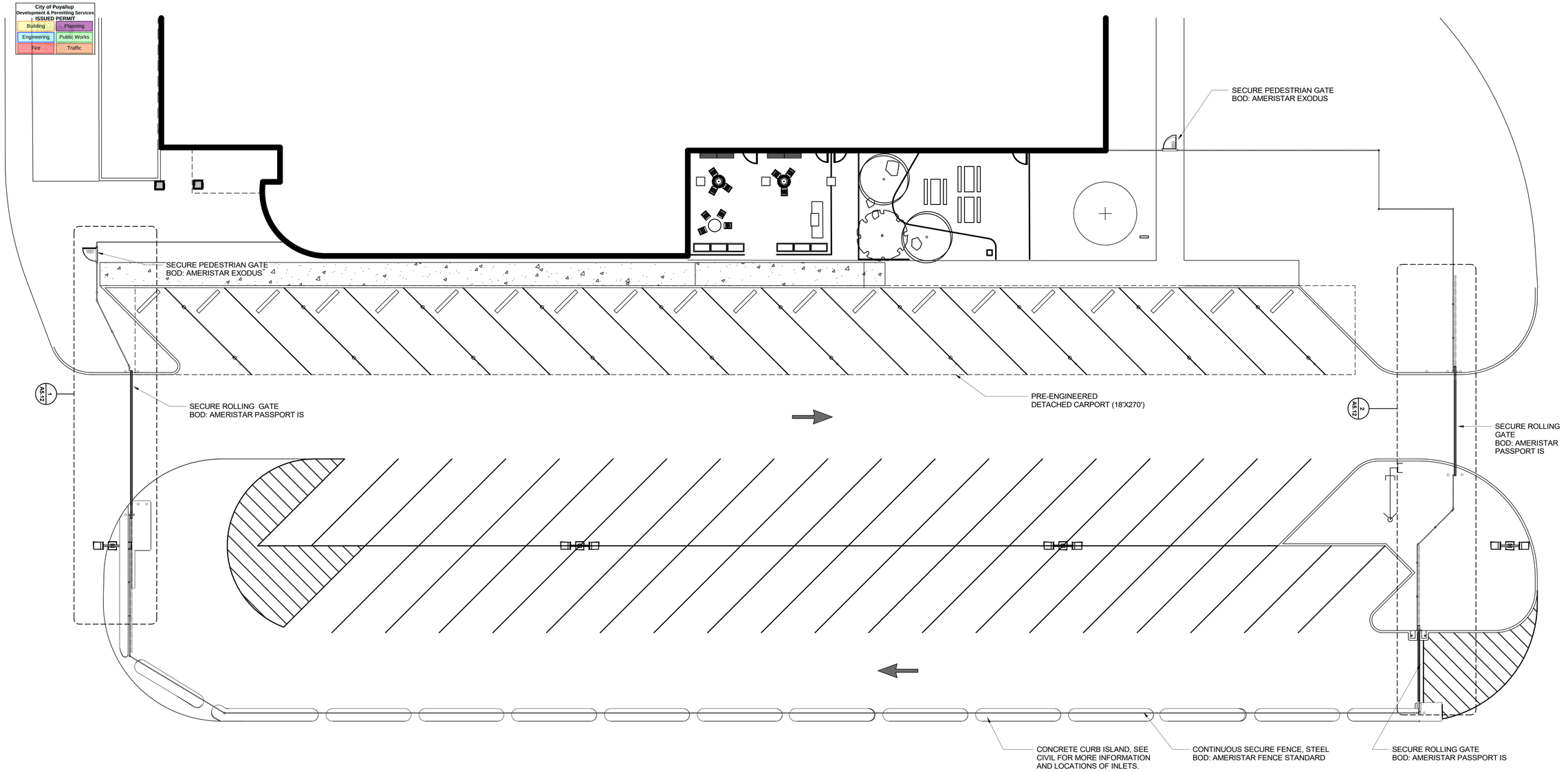

1 / A1.04 ENLARGED SITE PLAN
1" - 10'-0"

TOTAL SITE PARKING

EXISTING PARKING

	PUBLIC
STANDARD SPACES (NO EV)	1,260
STANDARD EV SPACES	8
ACCESSIBLE SPACES (NO EV)	10
ACCESSIBLE EV SPACES	14
TOTAL	1,292

SECURE PARKING

	SECURE
STANDARD SPACES	59
ACCESSIBLE SPACES	0
EV SPACES	0
TOTAL	59

SECTION 1106 - PARKING AND PASSENGER LOADING FACILITIES

1106.2 REQUIRED.

WHERE PARKING IS PROVIDED, ACCESSIBLE PARKING SPACES SHALL BE PROVIDED IN COMPLIANCE WITH TABLE 1106.2, EXCEPT AS REQUIRED BY SECTIONS 1106.3 THROUGH 1106.5. WHERE MORE THAN ONE PARKING FACILITY IS PROVIDED ON A SITE, THE NUMBER OF PARKING SPACES REQUIRED TO BE ACCESSIBLE SHALL BE CALCULATED SEPARATELY FOR EACH PARKING FACILITY.

EXCEPTION:

THIS SECTION DOES NOT APPLY TO PARKING SPACES USED EXCLUSIVELY FOR BUSES, TRUCKS, OTHER DELIVERY VEHICLES, LAW ENFORCEMENT VEHICLES OR VEHICULAR IMPOUND AND MOTOR POOLS WHERE LOTS ACCESSED BY THE PUBLIC ARE PROVIDED WITH AN ACCESSIBLE PASSENGER LOADING ZONE.

EXCERPT OF ADA 208 PARKING SPACES

208.1 GENERAL.

WHERE PARKING SPACES ARE PROVIDED, PARKING SPACES SHALL BE PROVIDED IN ACCORDANCE WITH 208.

EXCEPTION:

PARKING SPACES USED EXCLUSIVELY FOR BUSES, TRUCKS, OTHER DELIVERY VEHICLES, LAW ENFORCEMENT VEHICLES, OR VEHICULAR IMPOUND SHALL NOT BE REQUIRED TO COMPLY WITH 208. PROVIDED THAT LOTS ACCESSED BY THE PUBLIC ARE PROVIDED WITH A PASSENGER LOADING ZONE COMPLYING WITH 503.

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
ENLARGED ARCHITECTURAL SITE PLAN

SHEET
A1.04

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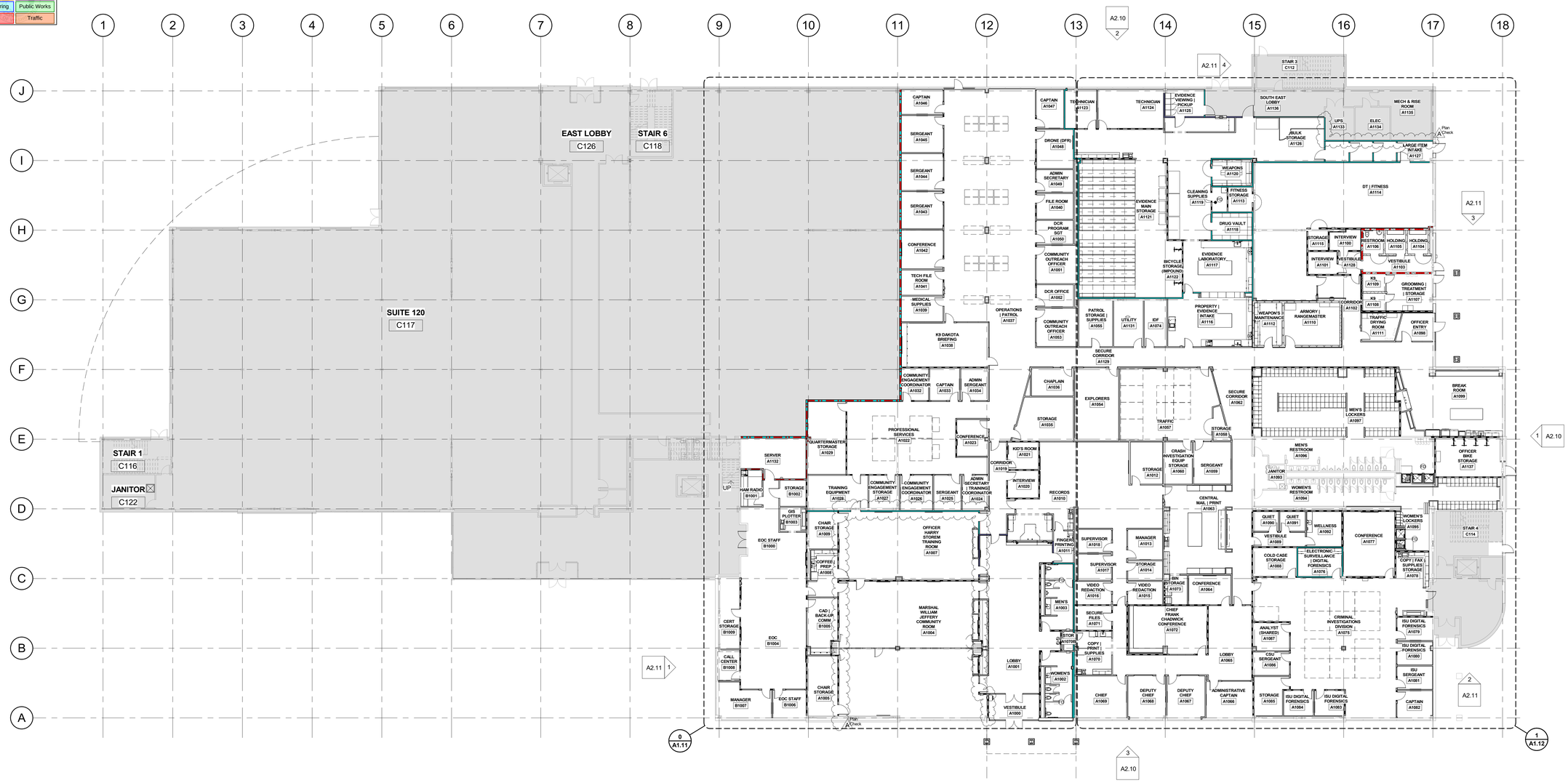
Fire	Traffic



1 / A1.10 OVERALL FIRST FLOOR PLAN
1/16" = 1'-0"

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Delta	Issued As	Issue Date
A	Plan Check Response 1	04/09/2025

SHEET TITLE:
OVERALL FIRST FLOOR PLAN

SHEET
A1.10

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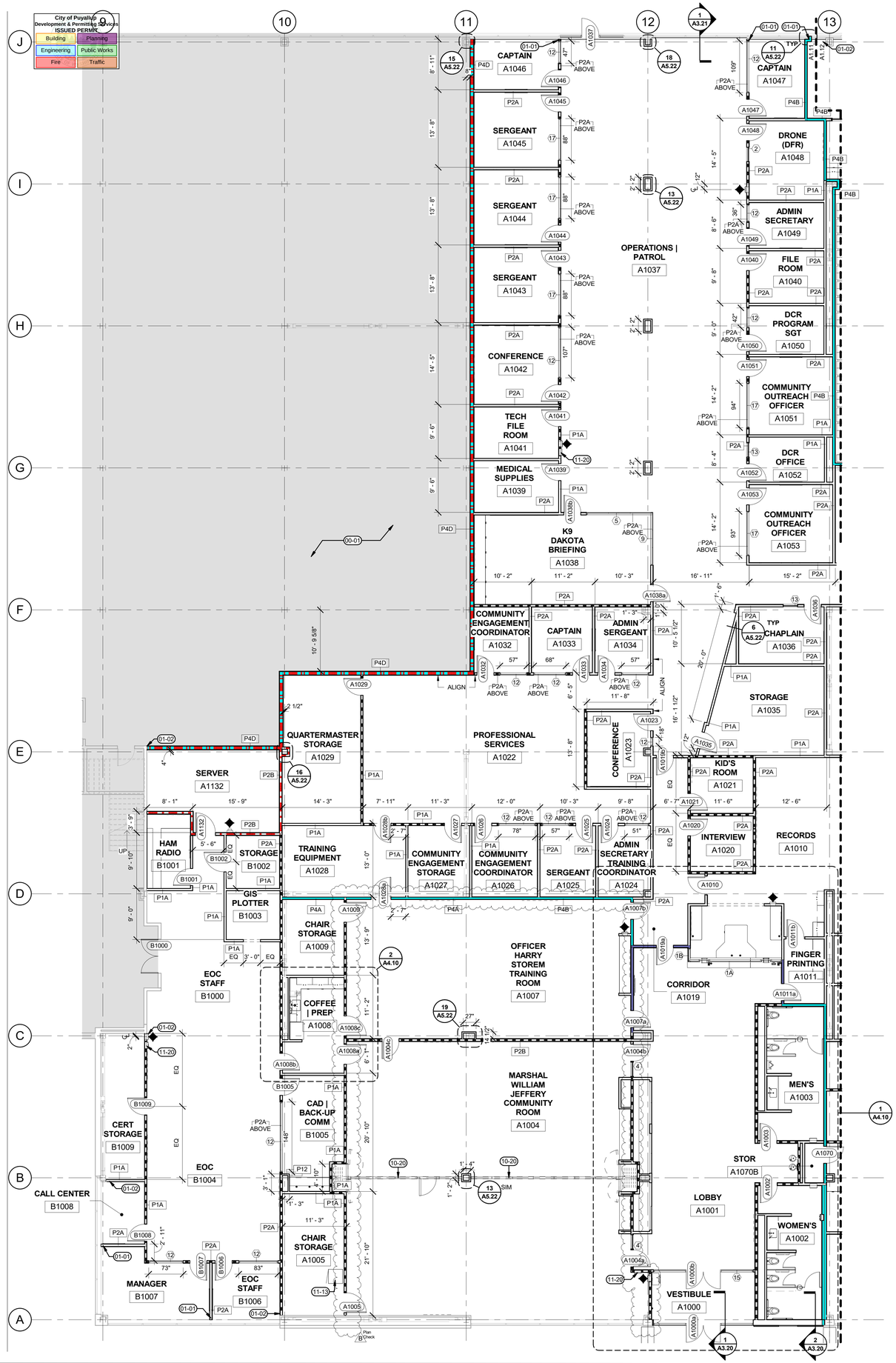

PARTIAL FIRST FLOOR PLAN - AREA A
1/8" = 1'-0"

Fire rated penetrations (typical)
See project specification sections 26 00 00, 3.09 and 26 05 33, 3.08D
Provide manufactures installation information for inspection.

GENERAL NOTES

A. SEE ARCHITECTURAL GENERAL NOTES ON A0.01 FOR ADDITIONAL INFORMATION.
B. SEE A0.02 FOR TYPICAL ASSEMBLIES, INCLUDING BUT NOT LIMITED TO, EXTERIOR WALL TYPES AND INTERIOR PARTITION TYPES.
C. SEE FINISH PLANS AND ELEVATIONS FOR CASEWORK AND RELATED FINISH INFORMATION.
E. WALL THICKNESSES ARE ACTUAL UNLESS NOTED OTHERWISE.
F. DOORS NOT DIMENSIONED ARE TO BE LOCATED 4" FROM FACE OF WALL TO OUTSIDE EDGE OF JAMB, TYPICAL. REFERENCE DOOR SCHEDULE FOR DOOR TYPE DESIGNATION AND ADD'L INFORMATION.
G. DIMENSIONS ADJACENT TO LATCH SIDE OF DOORS (IF PROVIDED) INDICATE ACCESSIBLE CLEARANCES REQUIRED BETWEEN THE CLEAR DOOR OPENING AND THE ADJACENT FINISH.
H. CONTRACTOR SHALL VERIFY AND CONFIRM ALL DIMENSIONS AND LAYOUT INFORMATION PRIOR TO START OF WORK. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION.
I. DO NOT SCALE DRAWINGS.
J. CONTRACTOR TO PROVIDE ADEQUATE GYPSUM BOARD CONTROL JOINTS AS REQUIRED THROUGHOUT ENTIRE BUILDING, INTERIOR AND EXTERIOR. REFER TO INTERIOR ELEVATION FOR MORE INFORMATION AND LAYOUT
K. PROVIDE BLOCKING AS REQUIRED AT WALLS FOR EQUIPMENT/DEVICES.
L. REFER TO ENLARGED PLANS WHERE INDICATED FOR ADDITIONAL INFORMATION. ENLARGED PLANS TAKE PRECEDENT OVER PLANS OF SMALLER SCALE.
M. ALL FIRE RATED WALLS REQ'D TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING PER 703.7 OF THE IBC. IDENTIFICATION SHALL BE LOCATED IN AN ACCESSIBLE CONCEALED CEILING SPACE, WITHIN 15' OF THE END OF EACH WALL, AND AT INTERVALS NOT EXCEEDING 30 FEET MEASURED HORIZONTALLY ALONG WALL OR PARTITION. IDENTIFICATION SHALL NOT BE VISIBLE FROM INTERIOR SPACES. LETTERING SHALL NOT BE LESS THAN 3 INCHES IN HEIGHT WITH A MINIMUM 3/8" STROKE IN CONTRASTING COLOR AND INCORPORATE THE WORDING, "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS."
N. FOR CMU WALLS THAT EXCEED 12-8" TALL AND ARE NOTED AS PART OF A FIRE RATED ASSEMBLY, SEE DETAIL A5.21/10 FOR SIM DETAILING REGARDING FIRE STOPPING.
O. WALLS ARE TO CONTINUE OVER ALL OPENINGS, DOORS, ADJACENT WINDOWS, ETC. UNLESS NOTED OTHERWISE.

LEGEND

- INTERIOR PARTITION PER PLAN
- EXISTING INTERIOR PARTITION PER PLAN
- CMU WALL PER PLAN
- 1-HOUR FIRE RATED ASSEMBLY - FULL HEIGHT
- BALLISTIC ASSEMBLY - FULL HEIGHT
- SECURITY ASSEMBLY - FULL HEIGHT
- 1-HOUR FIRE RATED, BALLISTIC ASSEMBLY - FULL HEIGHT
- 1-HOUR FIRE RATED, SECURITY ASSEMBLY - FULL HEIGHT
- INTERIOR PARTITION PER PLAN - FULL HEIGHT
- CMU 1-HOUR FIRE RATED ASSEMBLY - CMU 12'-8" WITH GWB WALL ABOVE, REFER TO A5.21/10
- 2-HOUR FIRE RATED, SECURITY ASSEMBLY - FULL HEIGHT
- MODIFIED EXISTING INTERIOR PARTITION TO SECURITY PARTITON
- EXISTING TO REMAIN (NO WORK IN THIS AREA)
- FIRE EXTINGUISHER CABINET, SEE 04/A0.01
- WALL TYPE
- WALL TYPE TAG
- WALL TYPE VERSION
- WALL TYPE FOR WALLS ABOVE 12'-8"
- REF SHEET MATCH LINE

KEYNOTES

00-01	NO WORK IN THIS AREA
01-01	CENTER NEW PARTITION WITH CENTER OF EXISTING WINDOW MULLION. REFER TO DETAIL 11/A5.22
01-02	ALIGN FINISH FACE OF NEW PARTITION WITH FINISH FACE OF EXISTING PARTITION
10-20	OPERABLE FOLDING PARTITION. EACH PANEL TO RECEIVE 4'-0"X4'-0" MARKERBOARD ON BOTH SIDES, CENTERED ON PANEL
11-13	LOCKED AV CABINET (REFER TO ELECTRICAL)
11-20	AUTOMATED EXTERNAL DEFIBRILLATOR (AED) WITH FIRST AID CABINET ABOVE

KEY PLAN

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Client

City of Puyallup
Project

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1015 39th Avenue SE,
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11049 REGISTERED ARCHITECT
Brett Lee Hanson
STATE OF WASHINGTON

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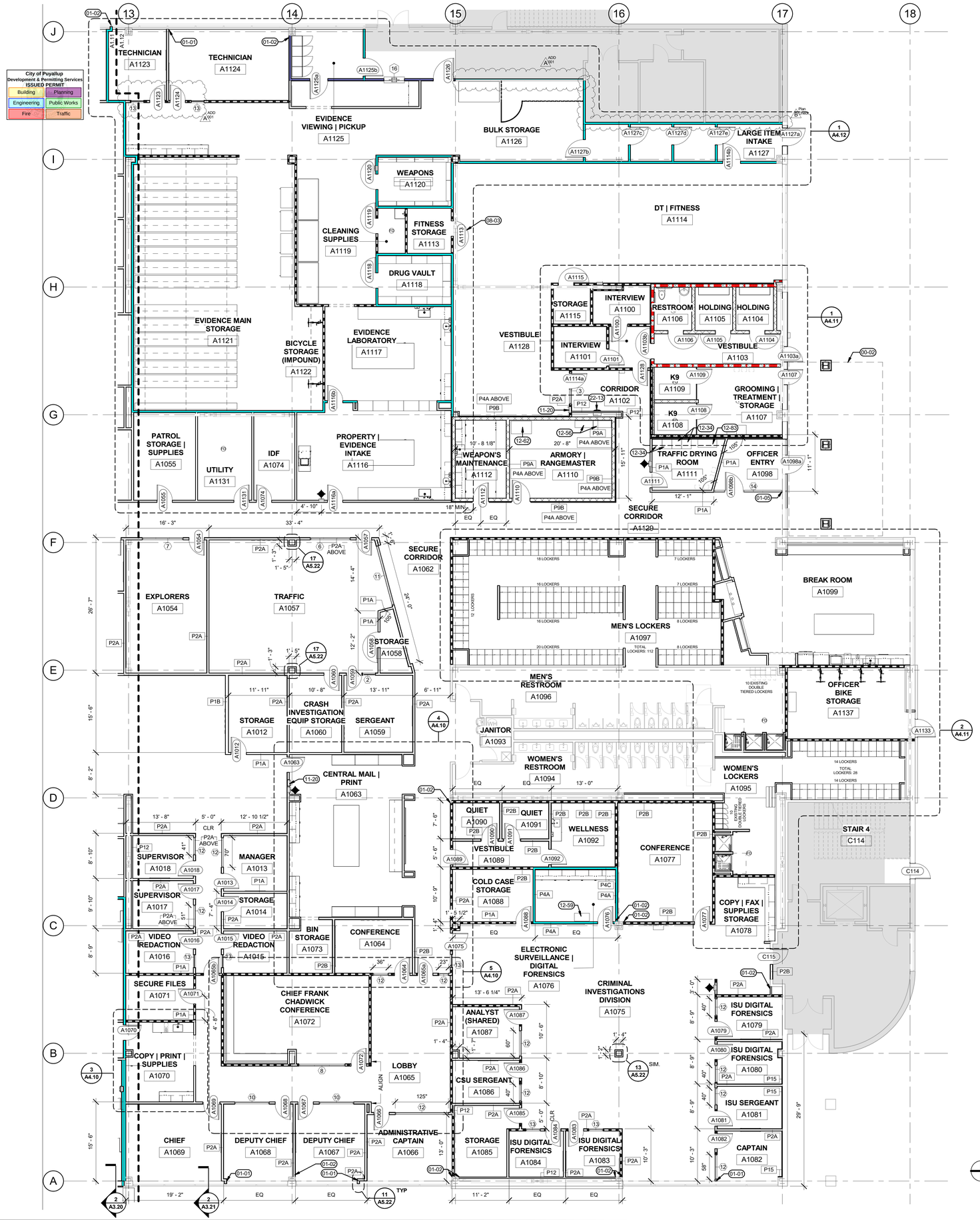
REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025
B	Plan Check Response 1	04/09/2025

SHEET TITLE:
PARTIAL FIRST FLOOR PLAN - AREA A

SHEET
A1.11

JOB NO. 2170269.07



1 A1.12 PARTIAL FIRST FLOOR PLAN - AREA B
1/8" = 1'-0"

GENERAL NOTES

A. SEE ARCHITECTURAL GENERAL NOTES ON A0.01 FOR ADDITIONAL INFORMATION.
B. SEE A0.02 FOR TYPICAL ASSEMBLIES, INCLUDING BUT NOT LIMITED TO, EXTERIOR WALL TYPES AND INTERIOR PARTITION TYPES.
C. SEE FINISH PLANS AND ELEVATIONS FOR CASEWORK AND RELATED FINISH INFORMATION.
E. WALL THICKNESSES ARE ACTUAL UNLESS NOTED OTHERWISE.
F. DOORS NOT DIMENSIONED ARE TO BE LOCATED 4" FROM FACE OF WALL TO OUTSIDE EDGE OF JAMB, TYPICAL. REFERENCE DOOR SCHEDULE FOR DOOR TYPE DESIGNATION AND ADD'L INFORMATION.
G. DIMENSIONS ADJACENT TO LATCH SIDE OF DOORS (IF PROVIDED) INDICATE ACCESSIBLE CLEARANCES REQUIRED BETWEEN THE CLEAR DOOR OPENING AND THE ADJACENT FINISH.
H. CONTRACTOR SHALL VERIFY AND CONFIRM ALL DIMENSIONS AND LAYOUT INFORMATION PRIOR TO START OF WORK. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION.
I. DO NOT SCALE DRAWINGS.
J. CONTRACTOR TO PROVIDE ADEQUATE GYPSUM BOARD CONTROL JOINTS AS REQUIRED THROUGHOUT ENTIRE BUILDING, INTERIOR AND EXTERIOR. REFER TO INTERIOR ELEVATION FOR MORE INFORMATION AND LAYOUT
K. PROVIDE BLOCKING AS REQUIRED AT WALLS FOR EQUIPMENT/DEVICES.
L. REFER TO ENLARGED PLANS WHERE INDICATED FOR ADDITIONAL INFORMATION. ENLARGED PLANS TAKE PRECEDENT OVER PLANS OF SMALLER SCALE.
M. ALL FIRE RATED WALLS REQ'D TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING PER 703.7 OF THE IBC. IDENTIFICATION SHALL BE LOCATED IN AN ACCESSIBLE CONCEALED CEILING SPACE, WITHIN 15' OF THE END OF EACH WALL, AND AT INTERVALS NOT EXCEEDING 30 FEET MEASURED HORIZONTALLY ALONG WALL OR PARTITION. IDENTIFICATION SHALL NOT BE VISIBLE FROM INTERIOR SPACES. LETTERING SHALL NOT BE LESS THAN 3 INCHES IN HEIGHT WITH A MINIMUM 3/8" STROKE IN CONTRASTING COLOR AND INCORPORATE THE WORDING, "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS."
N. FOR CMU WALLS THAT EXCEED 12-8" TALL AND ARE NOTED AS PART OF A FIRE RATED ASSEMBLY, SEE DETAIL A5.21/10 FOR SIM DETAILING REGARDING FIRE STOPPING.
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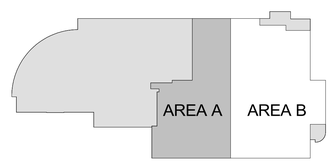
LEGEND

- INTERIOR PARTITION PER PLAN
- EXISTING INTERIOR PARTITION PER PLAN
- CMU WALL PER PLAN
- 1-HOUR FIRE RATED ASSEMBLY - FULL HEIGHT
- BALLISTIC ASSEMBLY - FULL HEIGHT
- SECURITY ASSEMBLY - FULL HEIGHT
- 1-HOUR FIRE RATED, BALLISTIC ASSEMBLY - FULL HEIGHT
- 1-HOUR FIRE RATED, SECURITY ASSEMBLY - FULL HEIGHT
- INTERIOR PARTITION PER PLAN - FULL HEIGHT
- CMU 1-HOUR FIRE RATED ASSEMBLY - CMU 12'-8" WITH GWB WALL ABOVE, REFER TO A5.21/10
- 2-HOUR FIRE RATED, SECURITY ASSEMBLY - FULL HEIGHT
- MODIFIED EXISTING INTERIOR PARTITION TO SECURITY PARTITON
- EXISTING TO REMAIN (NO WORK IN THIS AREA)
- FIRE EXTINGUISHER CABINET, SEE 04/A0.01
- WALL TYPE
- WALL TYPE TAG
- WALL TYPE VERSION
- WALL TYPE FOR WALLS ABOVE 12'-8"
- REF SHEET MATCH LINE

KEYNOTES

00-02	EXTERIOR CANAPY
01-01	CENTER NEW PARTITION WITH CENTER OF EXISTING WINDOW MULLION. REFER TO DETAIL 11/A5.22
01-02	ALIGN FINISH FACE OF NEW PARTITION WITH FINISH FACE OF EXISTING PARTITION
01-05	CENTER NEW PARTITION WITH CENTER OF NEW WINDOW MULLION
08-03	DOOR BENEATH STRUCTURE. SEE DOOR SCHEDULE
11-20	AUTOMATED EXTERNAL DEFIBRILLATOR (AED) WITH FIRST AID CABINET ABOVE
12-34	METAL TURNOUT GEAR LOCKER (L2)
12-56	UNIVERSAL WEAPON RACK (L11)
12-59	LAPTOP CHARGING LOCKER (L12)
12-62	HEAVY DUTY MOBILE WORK BENCH (WRB)
12-83	STAINLESS STEEL BENCH (B1)
22-13	INWALL WATER BOTTLE FILLING STATION (REFER TO PLUMBING)

KEY PLAN



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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025
B	Plan Check Response 1	04/09/2025

SHEET TITLE:
PARTIAL FIRST FLOOR PLAN - AREA B

SHEET
A1.12

JOB NO. **2170269.07**

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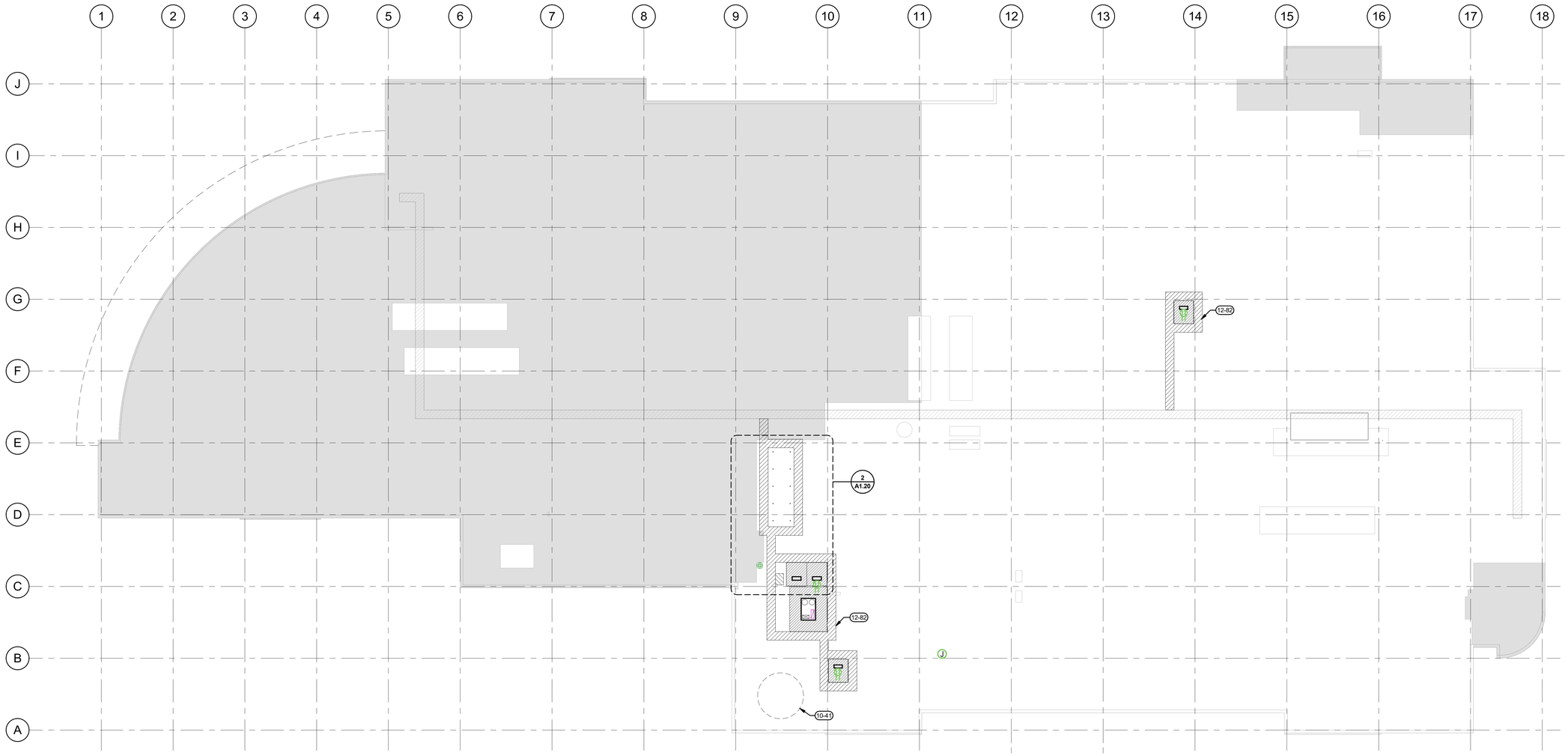


1 A1.20 OVERALL ROOF PLAN
1/16" = 1'-0"

GENERAL NOTES

A. WALKWAY PADS ARE SHOWN SCHEMATICALLY. WALKWAY PADS SHOULD BE PROVIDED AT AREAS SHOWN AND TO INCLUDE ALL EQUIPMENT INSTALLATIONS, DOORWAYS, STAIR/LADDER LANDINGS, AND OTHER AREAS REQUIRING REGULAR MAINTENANCE.
B. CONTRACTOR TO PROVIDE COVERS, ENCLOSURES, AND/OR SEALANTS AT ALL ROOF PENETRATIONS, PIPES, CURBS, DUCTS, AND CONNECTIONS. COORDINATE AND REFER TO MECHANICAL/ELECTRICAL DISCIPLINES FOR ADDITIONAL INFORMATION.
C. SEE DETAIL 01/A5.29 FOR ELECTRICAL CONDUIT PENETRATIONS
D. SEE DETAIL 02/A5.29 FOR PIPE PENETRATIONS
E. SEE DETAIL 03/A5.29 FOR MECHANICAL UNIT CURBS

LEGEND

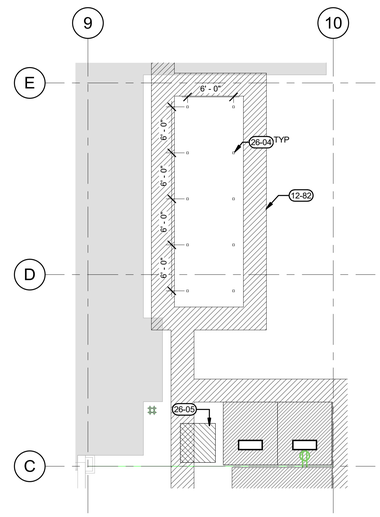
NO WORK IN THIS AREA BELOW

EXISTING 18"x18" PRECAST WALKING SURFACE

NEW 36" WIDE ROOF WALK PADS

KEYNOTES

10-41	COMMERCIAL GRADE DRONE LAUNCH PAD. GC TO CONFIRM SIZE AND EXACT LOCATION WITH TENANT BEFORE INSTALLATION
12-82	NEW 36" WIDE ROOF WALK PADS. GC TO COORDINATE FINAL LOCATION WITH TENANT BEFORE INSTALLATION
26-04	3" DIAMETER ROOF PENETRATION(S) FOR 6FT TALL ANTENNA MAST POST, TYP. SEE ELECTRICAL AND STRUCTURAL FOR MORE INFORMATION
26-05	DOG HOUSE LOCATION, WILL RUN TO ANTENNA. BASIS OF DESIGN: NEWAVE TOWER COMPONENTS, ROOFTOP CABLE HOOD ENTRY (DOG HOUSE). SEE ELECTRICAL FOR MORE INFORMATION



2 A1.20 ENLARGED ROOF PLAN
1/8" = 1'-0"

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11049 REGISTERED ARCHITECT
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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
OVERALL ROOF PLAN

SHEET
A1.20

JOB NO. 2170269.07

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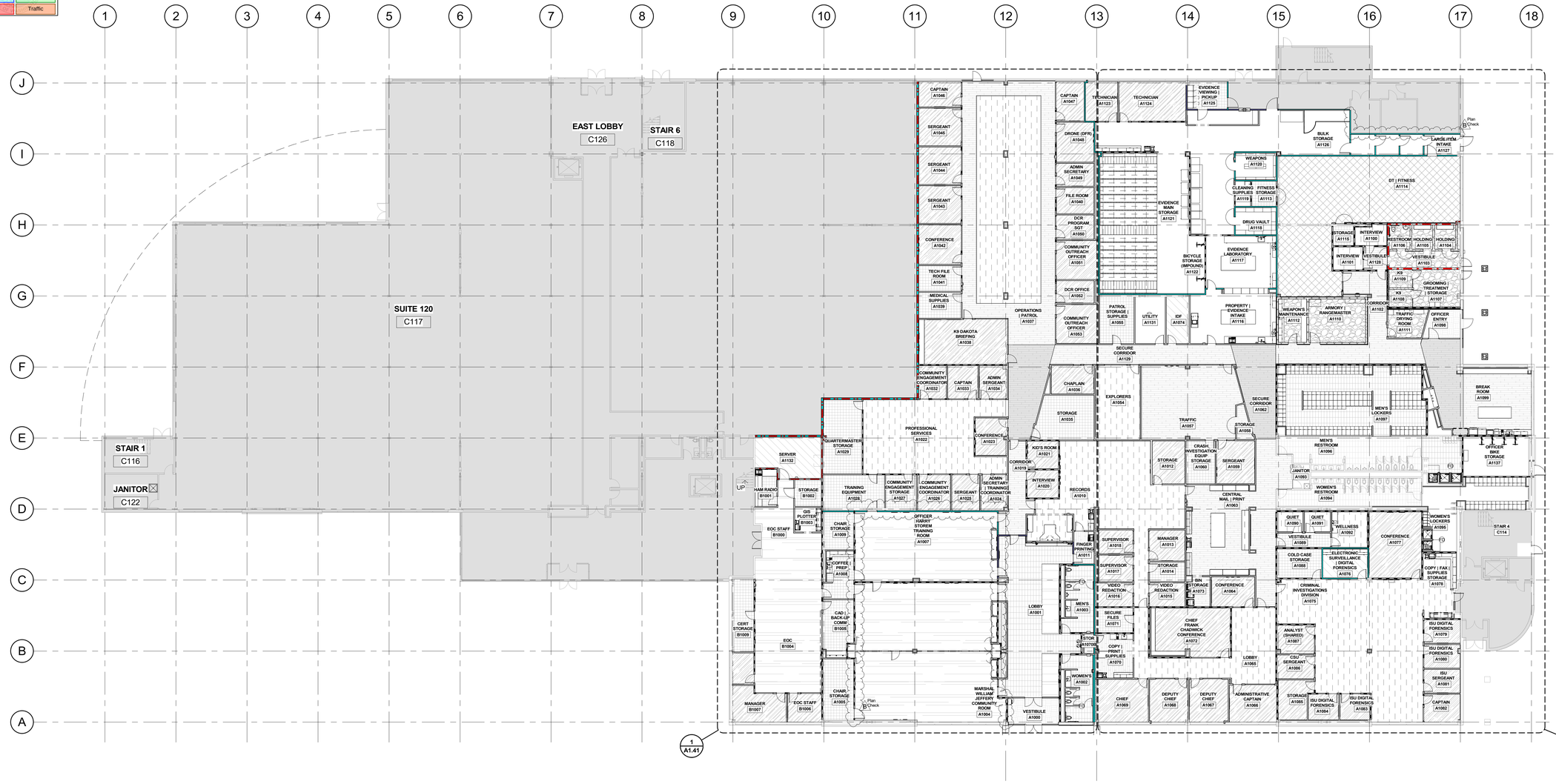

1 / A1.40 OVERALL FIRST FLOOR FINISH PLAN
1/16" = 1'-0"

SCHEDULE OF INTERIOR FINISHES

SECTION 03 35 00 - CONCRETE FINISHING

SC (SEALED CONCRETE) EXISTING CONCRETE BUFFED AND SEALED WITH SURECRETE CLEAR COATING

SECTION 06 20 00 - FINISHED CARPENTRY

WD1 (WOOD WALL) ELMWOOD RECLAIMED TIMBER, WALNUT TRADITIONAL, COLOR: ROASTED WALNUT, 7" WIDE x 3/4" THICK PLANKS, TONGUE AND GROOVE PROFILE, FINISH: UV OIL

WD2 (WOOD BASE) ELMWOOD RECLAIMED TIMBER, WALNUT TRADITIONAL, COLOR: ROASTED WALNUT, 6" WIDE x 3/4" THICK SQUARE PROFILE, FINISH: UV OIL

SECTION 06 41 00 - ARCHITECTURAL WOOD CASEWORK

PL1 (PLASTIC LAMINATE) PIONITE, COLOR: KINGSLEY WW011, FINISH: BARNBOARD (BB)

PL2 (PLASTIC LAMINATE) WILSONART, COLOR: ATLANTIS D25-60

PL3 (BREAKROOM ISLAND CASEWORK) PIONITE, COLOR: KINGSLEY WW011, FINISH: TEXTURE SUEDE (SD)

SS STAINLESS STEEL CASEWORK, REFER TO SPECIFICATIONS FOR FURTHER INFORMATION

QTZ3 (GUN RAIL) CORIAN QUARTZ, COLOR: SNOW WHITE (2CM SLAB)

HARDWARE

H1 (DRAWER / DOOR PULLS) RICHELIEU, MODERN STAINLESS STEEL PULLS - 527, PRODUCT # BP527128195, FINISH: STAINLESS STEEL, SIZE: LENGTH - 5 9/16"

GR1 (GROMMETS) RICHELIEU, ROUND METAL GROMMET, FINISH: STAINLESS STEEL, SIZE: BORE HOLE - 2 13/32"

SECTION 08 14 16 - FLUSH WOOD DOORS

INTERIOR SOLID CORE WOOD DOORS, WALNUT, QUARTER SAWN, CUTOM STAIN TO MATCH WD1

SECTION 09 30 00 - TILING

T1 (FLOOR TILE) PORTOBELLO AMERICA, PORTOFINO, FIELD TILE, COLOR: TWILIGHT, MATTE, SIZE: 12"X24" RECTIFIED, GROUT: G1

T2 (WALL TILE BASE) PORTOBELLO AMERICA, PORTOFINO, - , COLOR: TWILIGHT, MATTE, SIZE: 6"X12" - FIELD CUT RECTIFIED, GROUT: G1 (ADD A/001)

T3 (WALL TILE) CROSSVILLE, CERAMIC WALL TILE, COLOR PERSPECTIVES, COLOR: MARINE CPR06, SIZE: 4"X12", GROUT: G2

T4 (WALL TILE) PORTOBELLO AMERICA, KREA 2.0, COLOR: INDIGO, MATTE, SIZE: 4"X16" RECTIFIED, GROUT: G1

ST (STACKED STONE) ARIZONA TILE, 3D MESH MOUNT STACK, COLOR: HAISA BLUE HONED, SIZE: 7 3/16"X19 5/8" MESH SHEET

G1 (GROUT) CUSTOM BUILDING PRODUCTS, COLOR: 370 DOVE GRAY

G2 (GROUT) CUSTOM BUILDING PRODUCTS, COLOR: 19 PEWTER

SECTION 09 51 00 - ACOUSTICAL CEILINGS

SAT1 ARMSTRONG, ULTIMA 2X2 TEGULAR, COLOR: WHITE
GRID: SUPRAFINE XL 9/16" GRID - COLOR: POWDER COATED - BLIZZARD WHITE (ZW)

SAT2 ARMSTRONG, CALLA 2X6 TEGULAR, COLOR: GREYSTONE
GRID: SILHOUETTE XL 9/16" BOLT SLOT - 1/8" REVEAL, COLOR: GREY STONE

AFT (ACOUSTIC FELT TILE) TURF, PORT 2X2, 9/16" GRID, COLOR: PUMICE,
PATTERNS: RANDOM MIX - PORT 4 / PORT 10 / PORT 16

WDG ARMSTRONG, WOODWORKS GRILLE - FORTE, SOLID WOOD PANELS, 4 1/4" SLAT HEIGHT, 1" SLAT THICKNESS
SPECIES: POPLAR, COLOR: WARM OAK,

NOTE: BLACK FELT BACKING TO BE BEHIND WDG THROUGHOUT (ADD A/001)

SECTION 09 65 00 - RESILIENT FLOORING

RB (RUBBER BASE) ROPPE, 700 SERIES, COLOR: 150 DARK GRAY, 4" H, 5/8" TOE BASE (ADD A/001)

LVT1 (LUXURY VINYL TILE) MOHAWK: LARGE AND LOCAL, REFORESTATION C0188, COLOR: 838 CUMBERLAND, INSTALLATION: BRICK ASHLAR

LVT2 (LUXURY VINYL TILE) MOHAWK: HOT AND HEAVY II, BOLDER 2.5 C2107, COLOR: 949 LAVA, INSTALLATION: BRICK ASHLAR

LVT3 (LUXURY VINYL TILE) MOHAWK: LARGE AND LOCAL, REFORESTATION C0188, COLOR: 839 BURNEY, INSTALLATION: BRICK ASHLAR

VCT (DISSIPATIVE) ARMSTRONG, EXCELON SDT, COLOR: RIDGE 51957, SIZE: 12"X12", INSTALLATION: FULL SPREAD

RF (RUBBER FLOOR) TARKETT, JOHNSONITE REPLAY, COLOR: BLUESTONE RA5

SECTION 09 67 00 - FLUID APPLIED FLOORING

SCF1 SHERWIN WILLIAMS, PRO INDUSTRIAL HIGH-PERFORMANCE EPOXY, COLOR: SUMMIT GRAY SW 7669, PROVIDE 6"H INTEGRAL COVE BASE

SECTION 09 68 00 - CARPET

CPT1 (GENERAL) BENTLEY MILLS, OUTLIER, COLOR: EXTREMITY, SIZE: 18"X36", BACKING: AFIRMA II HARDBACK, INSTALLATION: ASHLAR

CPT2 (OPEN OFFICE) BENTLEY MILLS, REDUX DEUX, COLOR: BRING IT BACK, SIZE: 18"X36", BACKING: AFIRMA II HARDBACK, INSTALLATION: ASHLAR

CPT3 (PRIVATE OFFICE) BENTLEY MILLS, COIN OP II, COLOR: EASTER EGGS, SIZE: 18"X36", BACKING: AFIRMA II HARDBACK, INSTALLATION: ASHLAR

WOM (WALK OFF MAT) PATCRAFT, WALK FORWARD, MOVING (I0536), COLOR: PATHWAY (00580), SIZE: 24"X24", INSTALLATION: ASHLAR

SECTION 09 72 00 - WALL COVERINGS

WC1 (WALL GRAPHIC) TAKEFORM, AMPLIFY WALLCOVERINGS, SA-105 TRAFFIC
*** 6 DIFFERENT CUSTOM PRINTED GRAPHICS ***

WF1 (WINDOW FILM) TAKEFORM, AMPLIFY GLASS FILM, WF-202 GHOST, 50% OPACITY

WF2 (WINDOW FILM) TAKEFORM, AMPLIFY GLASS FILM, WF-202 GHOST, 50% OPACITY, ETCHED CUSTOM PATTERN

SECTION 09 83 16 - ACOUSTIC CEILING COATING

(FITNESS ROOM ACOUSTIC CEILING SPRAY) SONASPRAY "FC" ACOUSTICAL FINISH, COLOR: LIGHT GRAY

SECTION 09 84 00 - SOUND-ABSORPTIVE PANELS

AP1 (ACOUSTIC WALL PANELS) TURF, 18 MM PANEL, 48"X120", PATTERN: PEAK, PRIMARY & SECONDARY COLOR: 28 INDIGO, INSTALLATION: VERTICAL LAYOUT WITH PANELS A1 & B1

AP2 (ACOUSTIC WALL PANELS) TURF, 18 MM PANEL, 48"X120", PATTEN: PEAK, PRIMARY & SECONDARY COLOR: 31 AZURE, INSTALLATION: VERTICAL LAYOUT WITH PANELS A1 & B1

AP3 (ACOUSTIC WALL PANELS) VALHALLA FR701-2100, QUARTER BEVEL, COLOR: SILVER PAPIER 538

SECTION 09 90 00 - INTERIOR PAINTING

P1 (GENERAL) SHERWIN WILLIAMS, COLOR: EXTRA WHITE SW 7006, FINISH: SATIN

P2 (ACCENT) SHERWIN WILLIAMS, COLOR: DRESS BLUES SW 9176, FINISH: SATIN

P3 (OFFICE ACCENT) SHERWIN WILLIAMS, COLOR: MARCH WIND SW 7668, FINISH: SATIN

P4 (EXPOSED CEILING STRUCTURE) SHERWIN WILLIAMS, COLOR: GRIZZLE GRAY SW 7068, FINISH: FLAT

P5 (ACCENT) SHERWIN WILLIAMS, COLOR: INKY BLUE SW 9149, FINISH: SATIN

P6 (CMU PAINT) SHERWIN WILLIAMS, PREPRITE BLOCK FILLER, COLOR: EXTRA WHITE SW7006, FINISH: SATIN

P7 (DOOR AND SIDELIGHT FRAMES) SHERWIN WILLIAMS, COLOR: GRIZZLE GRAY SW 7068, FINISH: SATIN

SECTION 09 90 00 - EXTERIOR PAINTING

P20 SHERWIN WILLIAMS, COLOR: CONTRACTOR TO VERIFY IN FIELD

SECTION 10 11 00 - VISUAL DISPLAY UNITS

DB1 (FRAMELESS GLASS WHITEBOARD) EGAN, GLASSWRITE CURVE, MAGNETIC, 48"X36", COLOR: WHITE

DB2 (FRAMELESS GLASS WHITEBOARD) EGAN, GLASSWRITE, MAGNETIC, 48"X74", COLOR: WHITE, LINXX CONNECTION

DB3 (FRAMELESS GLASS WHITEBOARD) EGAN, GLASSWRITE CURVE, MAGNETIC, 48"X74", COLOR: WHITE, LINXX CONNECTION

SECTION 10 21 13.13 - TOILET COMPARTMENTS

TP (TOILET PARTITION) ALL AMERICAN METAL CORP, ESSENTIAL PRIVACY - 58", FLOOR SUPPORTED, FINISH: STAINLESS STEEL

SECTION 10 22 39 - FOLDING PANEL PARTITIONS

MAHARAM, TEK-WALL RIDGE 300048, COLOR: 002 TONIC

SECTION 10 26 01 - WALL AND CORNER GUARDS

CG1 (CORNER GUARDS) CS ACROVYN, CO-8 SURFACE MOUNTED, FINISH: STAINLESS STEEL, CUSTOM SIZE: 42"

CG2 (CORNER GUARDS ODD DEGREE) CS ACROVYN, CO-8M SURFACE MOUNTED, FINISH: STAINLESS STEEL, CUSTOM SIZE: 42", 105 DEGREES

UG (U-SHAPED CORNER GUARDS) CS ACROVYN, SCO-8 SURFACE MOUNTED, FINISH: STAINLESS STEEL, CUSTOM SIZE: 42"

WP1 ACROVYN WALL PROTECTION PANELS, SUEDE TEXTURE, COLOR: FOG 265

WP2 ACROVYN WALL PROTECTION PANELS, SUEDE TEXTURE, COLOR: PEARL GRAY 136

SECTION 12 05 10 - INTERIOR TEXTILES

UPH1 (BREAKROOM BENCH SEAT CUSHION) PALLAS, TECHNE, PATTERN: ORIGIN, COLOR: NAVY 27.332.144
INSTALLATION: RAILROAD FABRIC FULL LENGTH OF BENCH

UPH2 (BREAKROOM BENCH BACK CUSHION) PALLAS, SAVOIR FAIRE, PATTERN: TILT, COLOR: BLUE INK 27.358.093
INSTALLATION: RAILROAD FABRIC FULL LENGTH OF BENCH

UPH3 (ADMIN BENCH SEAT CUSHION) CARNEGIE, HALLES 6460, COLOR: 16
INSTALLATION: RAILROAD FABRIC FULL LENGTH OF BENCH

UPH4 (ADMIN BENCH BACK CUSHION) KNOLL TEXTILES, PRESTINI 466953, COLOR: ROYAL / WHITE - 010
INSTALLATION: RAILROAD FABRIC FULL LENGTH OF BENCH

SECTION 12 24 00 - WINDOW SHADES

WS1 MECHOSHADE, MECHO/5 STANDARD BRACKET WITH FASCIA (COLOR QUAKER BRONZE), FABRIC: SOHO 1600 SERIES, 3% OPEN, COLOR: BLACK/BROWN 1918

WS2 MECHOSHADE, MECHO/5 - DOUBLE SHADE #15 WITH FASCIA (COLOR QUAKER BRONZE)

INTERIOR SHADE (SUNSCREEN): SOHO 1600 SERIES, 3% OPEN, COLOR: BLACK/BROWN 1918
SHADE ADJACENT TO WINDOW (BLACKOUT SHADECLOTH): CLASSIC BLACKOUT 0700 SERIES, COLOR: LIGHT GREY 0702

SECTION 12 36 00 - COUNTERTOPS

QTZ1 (GENERAL COUNTERTOP) DELLA TERRA QUARTZ, COLOR: ZURI (2CM SLAB)

QTZ2 (COUNTERTOP) CORIAN QUARTZ, COLOR: SLATE GEO (2CM SLAB)

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Project

Puyallup Public Safety Building
1015 39th Avenue SE, Puyallup, WA, 98374

11049 REGISTERED ARCHITECT
Brett Lee Hanson
STATE OF WASHINGTON

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REVISION SCHEDULE

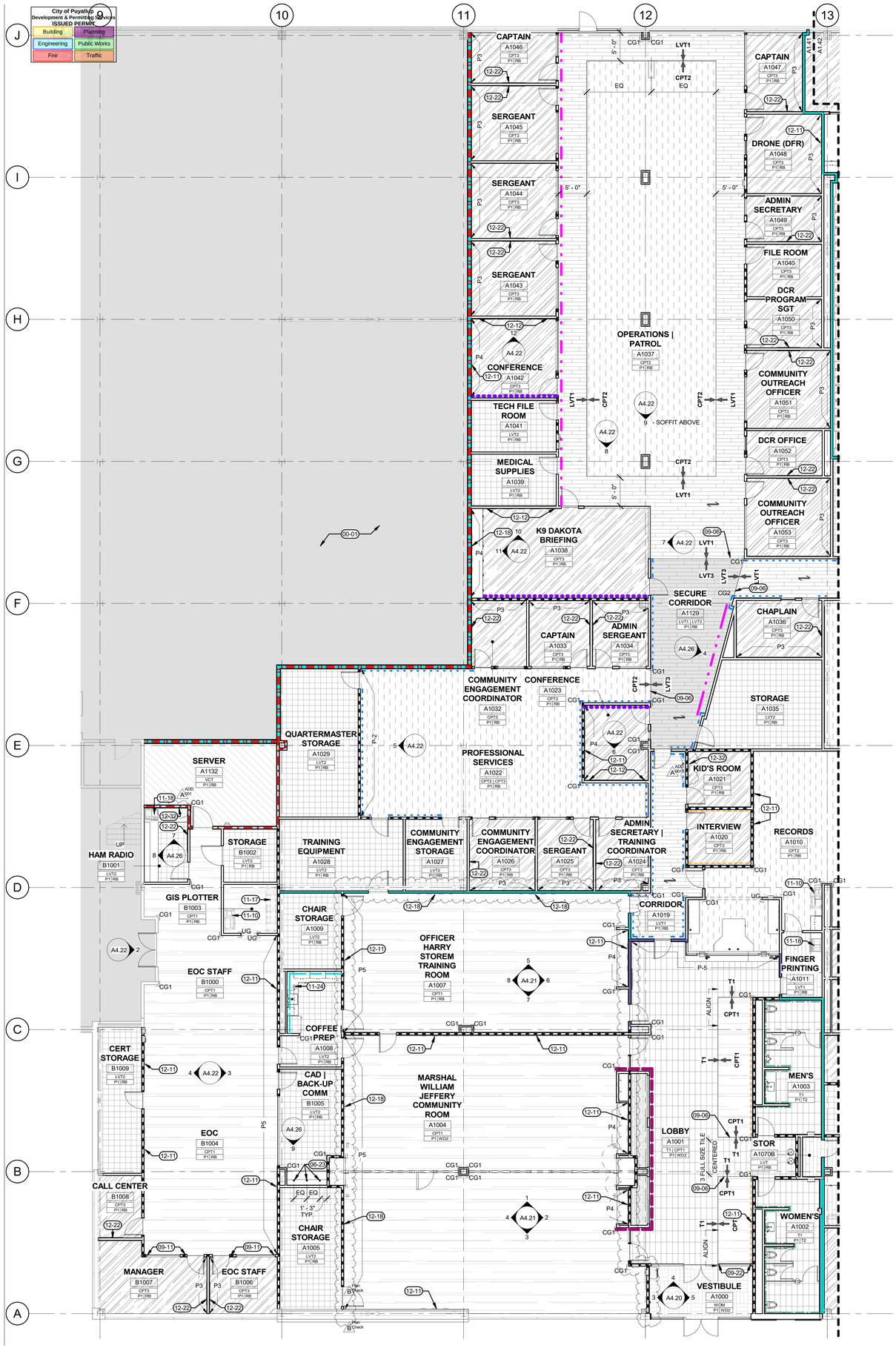
Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025
B	Plan Check Response 1	04/09/2025

SHEET TITLE:
OVERALL FIRST FLOOR FINISH PLAN AND SCHEDULE OF INTERIOR FINISHES

SHEET
A1.40

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025



1 A1.41 PARTIAL FIRST FLOOR FINISH PLAN - AREA A
1/8" = 1'-0"

GENERAL NOTES

A. CENTER FLOORING TRANSITIONS AT CENTER OF DOOR JAMBS, UNLESS OTHERWISE NOTED.
B. PROVIDE REDUCER AT ALL FLOORING MATERIAL TRANSITIONS, UNLESS OTHERWISE NOTED.REFER TO SHEET A5.20 FOR FLOORING TRANSITIONS.
C. ALL WALLS TO BE PAINTED P1 UNLESS OTHERWISE NOTED.
D. INSTALL CARPET INSETS AT ALL ELECTRICAL FLOOR BOX LOCATIONS, CARPET TO MATCH ADJACENT FLOORING MATERIAL.
E. PROVIDE METAL SCHLUTER TRIM AT ALL EXPOSED TILE EDGES.
F. FURNITURE SHOWN FOR REFERENCE ONLY. FURNITURE TO BE PROCURED AND INSTALLED BY OWNER, EXCEPT WHERE NOTED OFCI.
G. REFER TO SHEET A0.02 FOR PARTITION TYPES.
H. SLAB TO BE DIAMOND-GRINDED AS REQUIRED MANUFACTURER INSTRUCTION TO ACCEPT SCHEDULED SEALER OR FINISH.
I. ALL INTERIOR OFFICE RELITES TO RECEIVE FROSTED FILM (WF1) TO 30" AFF, UNLESS OTHERWISE NOTED.

FINISH LEGEND

- SEALED CONCRETE (SC)
- CARPET (CPT1)
- CARPET (CPT2)
- CARPET (CPT3)
- VINYL COMPOSITION TILE (VCT)
- WALK-OFF MAT (WOM)
- LINOLEUM (LINO)
- LUXURY VINYL TILE (LVT1)
- LUXURY VINYL TILE (LVT2)
- LUXURY VINYL TILE (LVT3)
- RUBBER FITNESS FLOOR (RF)
- FLOOR TILE (T1)
- EPOXY (EP)

- WALL TILE (T4)
- WALL TILE (T3)
- WOOD WALL PANEL (WD1)
- WALL PROTECTION (WP1) TO 54" ABOVE FINISH FLOOR
- WALL PROTECTION (WP1) TO 96" ABOVE FINISH FLOOR
- WALL PROTECTION (WP2) TO 30" ABOVE FINISH FLOOR WITH GUN RAIL
- ACOUSTIC WALL PANEL FROM 6" AFF TO CEILING. WALL PANELS TO BE EQUALLY SPACED ALONG WALL (AP1)
- ACOUSTIC WALL PANEL FROM 6" AFF TO CEILING. WALL PANELS TO BE EQUALLY SPACED ALONG WALL (AP2)
- ACOUSTIC WALL PANEL FROM 54" AFF TO CEILING. WALL PANELS TO BE EQUALLY SPACED ALONG WALL (AP3)
- WALL GRAPHIC (WC1). 6 INDIVIDUAL UNIQUE GRAPHICS TO BE VERIFIED PRIOR TO FABRICATION
- PLYWOOD PAINTED TO MATCH ADJACENT WALL. PLYWOOD TO EXTEND 144" ABOVE FINISH FLOOR
- P-X ACCENT PAINT LOCATIONS
- CGX CORNER GUARD TYPE
- UG U-SHAPED CORNER GUARD
- FINISH INSTALLTION DIRECTION
- INTERIOR ELEVATION SYMBOL

ROOM NAME 101 | FF#F | WW | BB — FLOOR FINISH, BASE FINISH, WALL FINISH

KEYNOTES

00-01	NO WORK IN THIS AREA
06-23	GROMMET
09-06	ALIGN FLOORING TRANSITION WITH EDGE OF PARTITION OR COLUMN
09-11	FROSTED WINDOW PRIVACY FILM (WF1) - LOCATE AT INTERIOR SIDE
09-22	WINDOW FILM GRAPHIC (WF2), GRAPHIC TO BE VERIFIED PRIOR TO FABRICATION
11-10	PRINTER	COPIER (OFOI)
11-17	PLOTTER (OFOI)
11-18	DESKTOP PRINTER (RELOCATED OFCI)
11-24	COFFEE MAKER (OFOI)
12-11	65" WALL MOUNTED TV, PROVIDE WALL BRACKET AND BACKING IN WALL
12-12	CUSTOM SIZED FRAMELESS GLASS MARKERBOARDS (DB2, DB3), MOUNT BOTTOM AT 24" AFF. PROVIDE BACKING IN WALL
12-18	85" WALL MOUNTED TV, PROVIDE WALL BRACKET AND BACKING IN WALL
12-22	48" X 36" FRAMELESS GLASS MARKERBOARD (DB1), MOUNT BOTTOM AT 50" AFF. PROVIDE BACKING IN WALL
12-32	43" WALL MOUNTED TV, MOUNT BOTTOM AT 48" AFF. PROVIDE WALL BRACKET AND BACKING IN WALL

KEY PLAN

Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/26907-PPSB Benaroya-V23-A.rvt 4/8/2025 3:01:26 PM

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A	Addendum 001	04/04/2025
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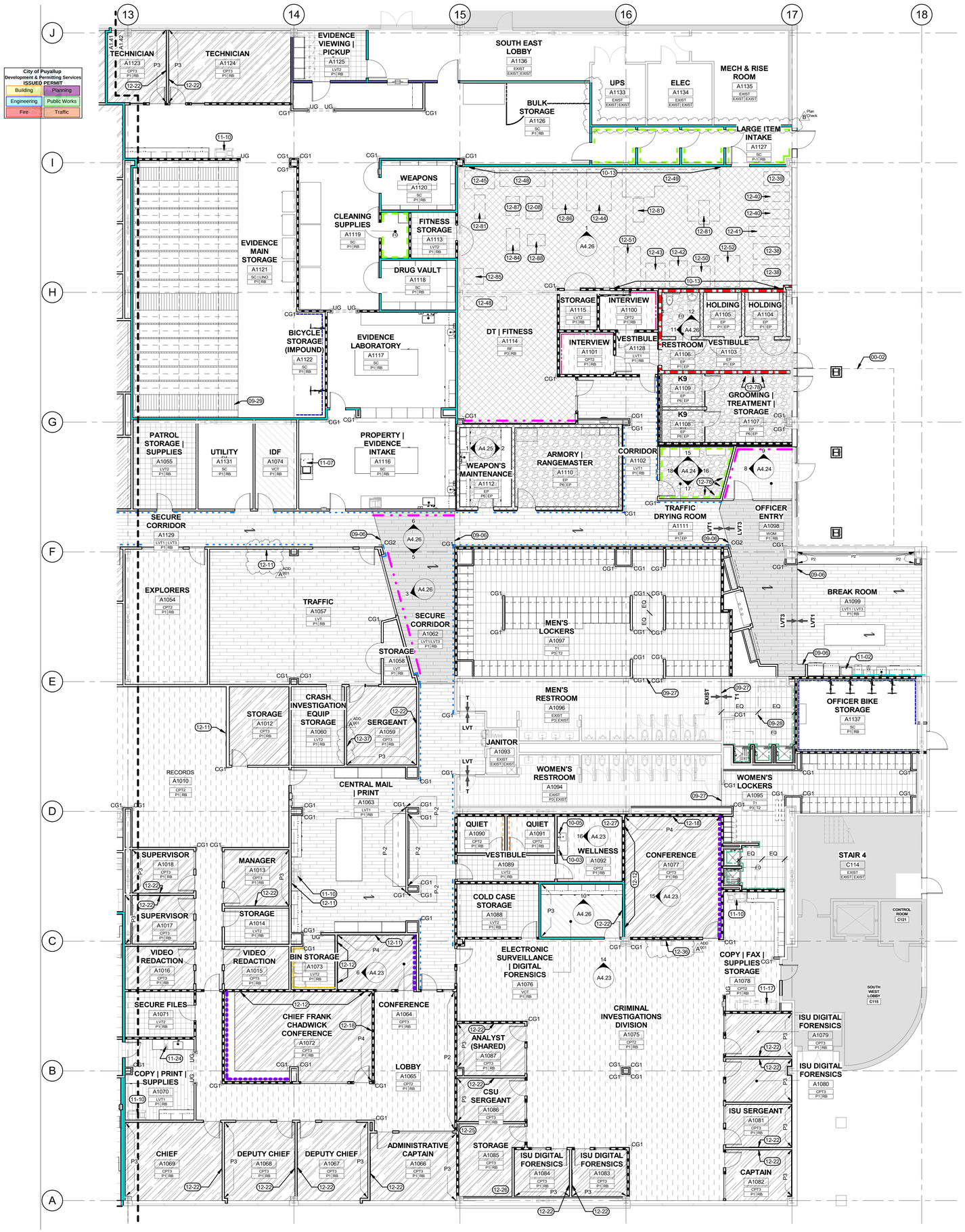
SHEET TITLE:
PARTIAL FIRST FLOOR FINISH PLAN - AREA A

SHEET
A1.41

JOB NO. **2170269.07**

As indicated



GENERAL NOTES

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B. PROVIDE REDUCER AT ALL FLOORING MATERIAL TRANSITIONS, UNLESS OTHERWISE NOTED.REFER TO SHEET A5.20 FOR FLOORING TRANSITIONS.
C. ALL WALLS TO BE PAINTED P1 UNLESS OTHERWISE NOTED.
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E. PROVIDE METAL SCHLUTER TRIM AT ALL EXPOSED TILE EDGES.
F. FURNITURE SHOWN FOR REFERENCE ONLY. FURNITURE TO BE PROCURED AND INSTALLED BY OWNER, EXCEPT WHERE NOTED OFCI.
G. REFER TO SHEET A0.02 FOR PARTITION TYPES.
H. SLAB TO BE DIAMOND-GRINDED AS REQUIRED MANUFACTURER INSTRUCTION TO ACCEPT SCHEDULED SEALER OR FINISH.
I. ALL INTERIOR OFFICE RELITES TO RECEIVE FROSTED FILM (WF1) TO 30" AFF, UNLESS OTHERWISE NOTED.

FINISH LEGEND

- SEALED CONCRETE (SC)
- CARPET (CPT1)
- CARPET (CPT2)
- CARPET (CPT3)
- VINYL COMPOSITION TILE (VCT)
- WALK-OFF MAT (WOM)
- LINOLEUM (LINO)
- LUXURY VINYL TILE (LVT1)
- LUXURY VINYL TILE (LVT2)
- LUXURY VINYL TILE (LVT3)
- RUBBER FITNESS FLOOR (RF)
- FLOOR TILE (T1)
- EPOXY (EP)

- WALL TILE (T4)
- WALL TILE (T3)
- WOOD WALL PANEL (WD1)
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- P-X — ACCENT PAINT LOCATIONS
- CGX — CORNER GUARD TYPE
- UG — U-SHAPED CORNER GUARD
- FINISH INSTALLTION DIRECTION
- INTERIOR ELEVATION SYMBOL
- ROOM NAME 101 / FFFF WW | BB — FLOOR FINISH / BASE FINISH / WALL FINISH

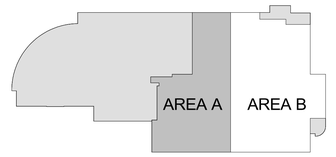
KEYNOTES

00-02	EXTERIOR CANOPY
09-06	ALIGN FLOORING TRANSITION WITH EDGE OF PARTITION OR COLUMN
09-27	ALIGN NEW TILE FLOORING WITH EXISTING FLOORING
09-28	CENTER TILE IN ROOM
09-29	LINOLEUM FLOORING TO BE PROVIDED AND INSTALLED BY MOBILE SHELVING VENDOR
10-03	SURFACE MOUNTED PAPER TOWEL DISPENSER (PDT2)
ADD A/W01 10-05	COUNTER MOUNTED SOAP DISPENSER (SOAP2)
10-13	4'X8' ANNEALED WALL MIRROR, MOUNT BOTTOM AT 7" AFF, PROVIDE BACKING IN WALL (MR1)
ADD A/W01 11-02	MICROWAVE (MW-1)
11-07	DUPLEX EVIDENCE DRYING CABINET (DC) (OFOI)
11-10	PRINTER	COPIER (OFOI)
11-17	PLOTTER (OFOI)
11-24	COFFEE MAKER (OFOI)
12-08	PREACHER CURL BENCH (OFOI)
12-11	65" WALL MOUNTED TV, PROVIDE WALL BRACKET AND BACKING IN WALL
12-12	CUSTOM SIZED FRAMELESS GLASS MARKERBOARDS (DB2, DB3), MOUNT BOTTOM AT 24" AFF. PROVIDE BACKING IN WALL
12-18	85" WALL MOUNTED TV, PROVIDE WALL BRACKET AND BACKING IN WALL
12-22	48" X 36" FRAMELESS GLASS MARKERBOARD (DB1), MOUNT BOTTOM AT 50" AFF, PROVIDE BACKING IN WALL
12-25	HEAVY DUTY FREESTANDING SHELF (RELOCATED OFCI)
12-26	WORK BENCH (RELOCATED OFCI)
12-27	MASSAGE CHAIR (RELOCATED OFCI)
ADD A/W01 12-36	75" WALL MOUNTED TV, PROVIDE WALL BRACKET AND BACKING IN WALL

KEYNOTES

ADD A/W01 12-37	43" WALL MOUNTED TV, MOUNT BOTTOM AT 36" AFF, PROVIDE WALL BRACKET AND BACKING IN WALL
12-38	TREADMILL (OFOI)
12-39	STAIRCLIMBER (OFOI)
12-40	STATIONARY BIKE (OFOI)
12-41	ROWING MACHINE (OFOI)
12-42	ABDOMINAL AND BACK CRUNCH MACHINE (OFOI)
12-43	LEG CURL AND EXTENSION MACHINE (OFOI)
12-44	LEG PRESS (OFOI)
12-45	FUNCTIONAL TRAINER CABLE MACHINE WITH STORAGE TRAY (OFOI)
12-48	DUMBBELL RACK (OFOI)
12-49	CUSTOM RIG WITH SHOCK PLATFORM (OFOI), CONTRACTOR TO BOLT TO GROUND AS REQUIRED
12-50	ROTARY TORSO MACHINE (OFOI)
12-51	LAT PULL DOWN MACHINE (OFOI)
12-52	CHEST PRESS MACHINE (OFOI)
12-78	BOOT DRYER (OFOI)
12-81	FITNESS BENCH (OFOI)
12-84	LOWER BACK / ABDOMINAL BENCH (OFOI)
12-85	KNEE RAISE / DIP / CHIN STATION (OFOI)
12-86	HACK SQUAT (OFOI)
12-87	TRICEPS SEAT (OFOI)
12-88	PLATE TREE (OFOI)

KEY PLAN



1 A1.42 PARTIAL FIRST FLOOR FINISH PLAN - AREA B
1/8" = 1'-0"

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SHEET TITLE:
PARTIAL FIRST FLOOR FINISH PLAN - AREA B

SHEET
A1.42

JOB NO. **2170269.07**

1 A1.70 OVERALL FIRST FLOOR REFLECTED CEILING PLAN
1/16" = 1'-0"

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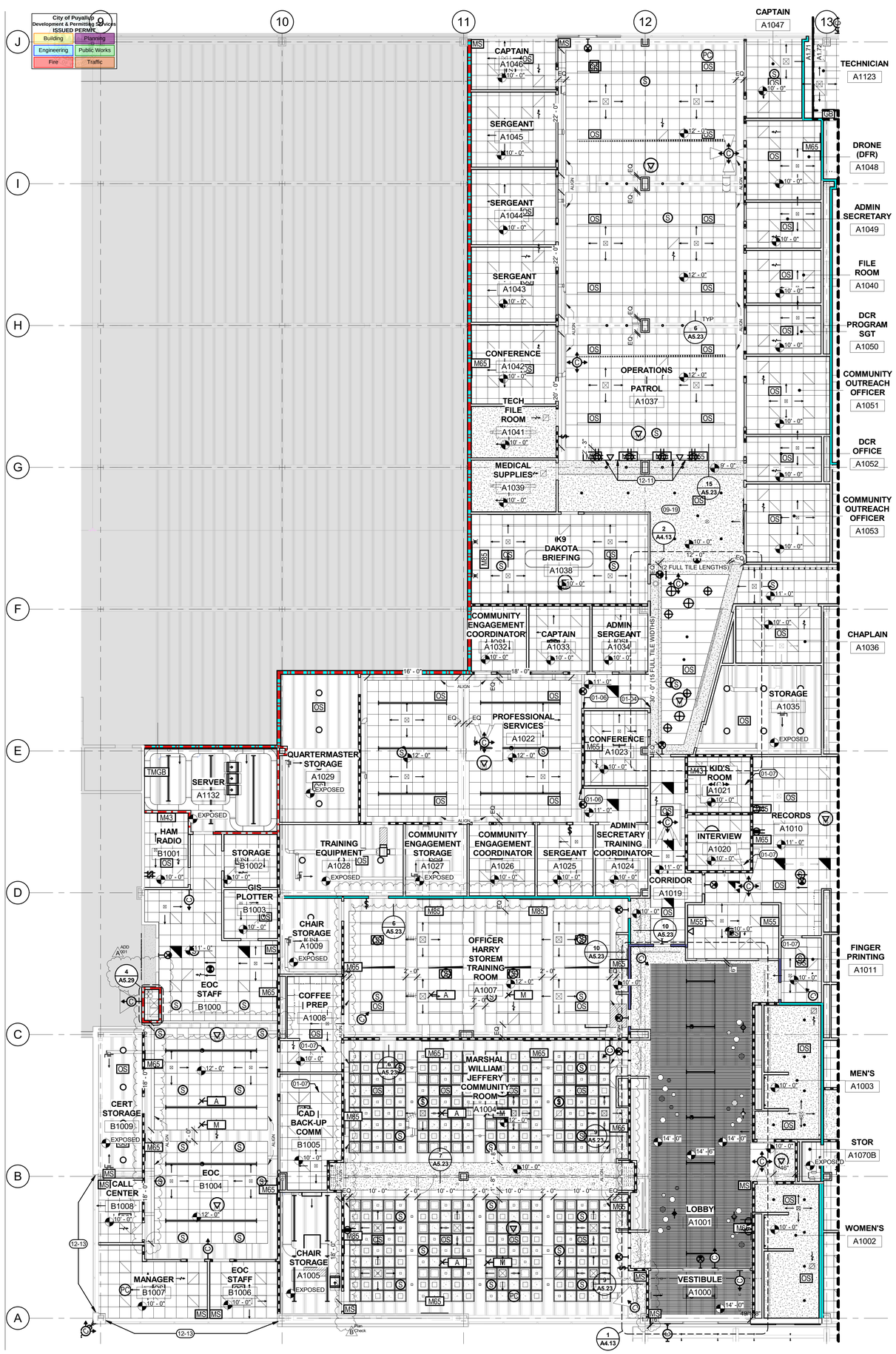
A	Plan Check Response 1	04/09/2025

SHEET TITLE:
OVERALL FIRST FLOOR REFLECTED CEILING PLAN

SHEET
A1.70

JOB NO. 2170269.07

Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/26907-PPSB Benaroya-V23-A.rvt 4/8/2025 3:01:54 PM 1/16" = 1'-0"



1 A1.71 FIRST FLOOR REFLECTED CEILING PLAN - AREA A
1/8" = 1'-0"

GENERAL NOTES

A. SALVAGED EXISTING ACOUSTICAL TILES TO BE REUSED FOR NEW CEILING GRID TO FULLEST EXTENT POSSIBLE.
B. FOR SEISMIC BRACING OF SUSPENDED CEILING AND INTERSTITIAL EQUIPMENT REFER TO A5.23.
C. PROVIDE HOLE FOR PENETRATION THROUGH SUSPENDED ACOUSTICAL TILE FOR ELEMENTS INCLUDING, BUT NOT LIMITED TO, SPRINKLER HEADS, CONDUITS, ETC., OF SUFFICIENT SIZE TO ACCOMMODATE ONE (1) INCH OF LATERAL MOVEMENT IN EVERY DIRECTION OF ASSEMBLY PENETRATING CEILING PLANE. PROVIDE ESCUTCHEON TO CONCEAL GAP BETWEEN CEILING TILE AND PENETRATING ELEMENT.
D. AT AREAS OPEN TO STRUCTURE, PAINT METAL DECK, STRUCTURE, WALL STUDS, EXPOSED CONDUIT, MECHANICAL DUCT WORK, AND FIRE SPRINKLER COMPONENTS (EXCEPT HEADS) P4, UNLESS OTHERWISE NOTED.
E. EXPOSED STRUCTURE, MECHANICAL, ELECTRICAL, AND PLUMBING ITEMS AT AREAS RECEIVING ACOUSTIC SPRAY COATING TO BE PAINTED P4. DO NOT PAINT ACOUSTIC SPRAY.
F. ALL GYPSUM BOARD CEILINGS TO BE PAINTED P1, UNLESS OTHERWISE NOTED.
G. ALIGN ALL CEILING GRIDS TO FRONT ENTRY WALL OF ENCLOSED ROOMS AND CENTER BETWEEN ADJACENT WALLS. UNLESS OTHERWISE NOTED.
H. CENTER SUSPENDED ACOUSTIC TILE CLOUDS IN OPEN OFFICE ROOMS AND MAINTAIN NEAREST FULL TILE, UNLESS OTHERWISE NOTED.
I. CENTER ALL DOWN LIGHTS, FIRE SPRINKLER HEADS, SMOKE DETECTORS AND ALL OTHER CEILING PENETRATIONS IN CENTER OF 2X2 TILE, UNLESS OTHERWISE NOTED.
J. REPLACE DAMAGED AND SOILED CEILING TILES WHERE AFFECTED BY CONSTRUCTION TO MATCH EXISTING.
K. FULLY CONCEALED SPRINKLER HEADS REQUIRED AT ALL GYPSUM BOARD CEILING ASSEMBLIES. WITH POWDERCOATED HEAD COVER PLATES FINISHED TO MATCH ADJACENT CEILING PAINT COLOR.
L. REFER TO A0.02 FOR TYPICAL INTERIOR PARTITION TYPES.
M. ALL WALLS FULL HEIGHT TO STRUCTURE, UNLESS OTHERWISE NOTED.
N. GRIDS ARE TO FACE OF FINISH.
O. ALL EXTERIOR WINDOWS TO RECEIVE MANUAL ROLLER SHADES (WS1), UNLESS NOTED OTHERWISE.

LEGEND

- EXISTING TO REMAIN (NO WORK IN THIS AREA)
- (EXISTING) GWB ON METAL STUD
- GWB ON METAL STUD FRAMING AT 16" OFF CENTER (GWB1)
- GWB SOFFIT WITH ACCENT PAINT LOCATION (GWB1)
- GWB (SECURE) ON METAL STUD FRAMING AT 16" OFF CENTER, 1 HOUR RATED (GWB2)
- OPEN TO STRUCTURE (EXPOSED)
- 2'X2' SUSPENDED CEILING GRID WITH ACOUSTIC CEILING TILE (SAT1)
- 2'X6' SUSPENDED CEILING GRID WITH ACOUSTIC CEILING TILE (SAT2)
- 2'X2' SUSPENDED CEILING GRID WITH ACOUSTIC FELT CEILING TILE (AFT)
- WOOD GRILLE
- WIRE CAGE LID (WC)

KEYNOTES

01-04	ALIGN CEILING SOFFIT WITH FINISH FACE OF ADJACENT PARTITION
01-06	ALIGN CEILING TILE GRID WITH FINISH FACE OF ADJACENT PARTITION
01-07	CENTER CEILING TILE GRID WITHIN ROOM
09-19	ACCENT PAINT (P3) ON SOFFIT FACES
12-11	65" WALL MOUNTED TV, PROVIDE WALL BRACKET AND BACKING IN WALL
12-13	EXTERIOR WINDOW TO RECEIVE DUAL WINDOW SHADE (WS2)

KEY PLAN

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SHEET TITLE:
PARTIAL FIRST FLOOR REFLECTED CEILING PLAN - AREA A

SHEET
A1.71

JOB NO. **2170269.07**

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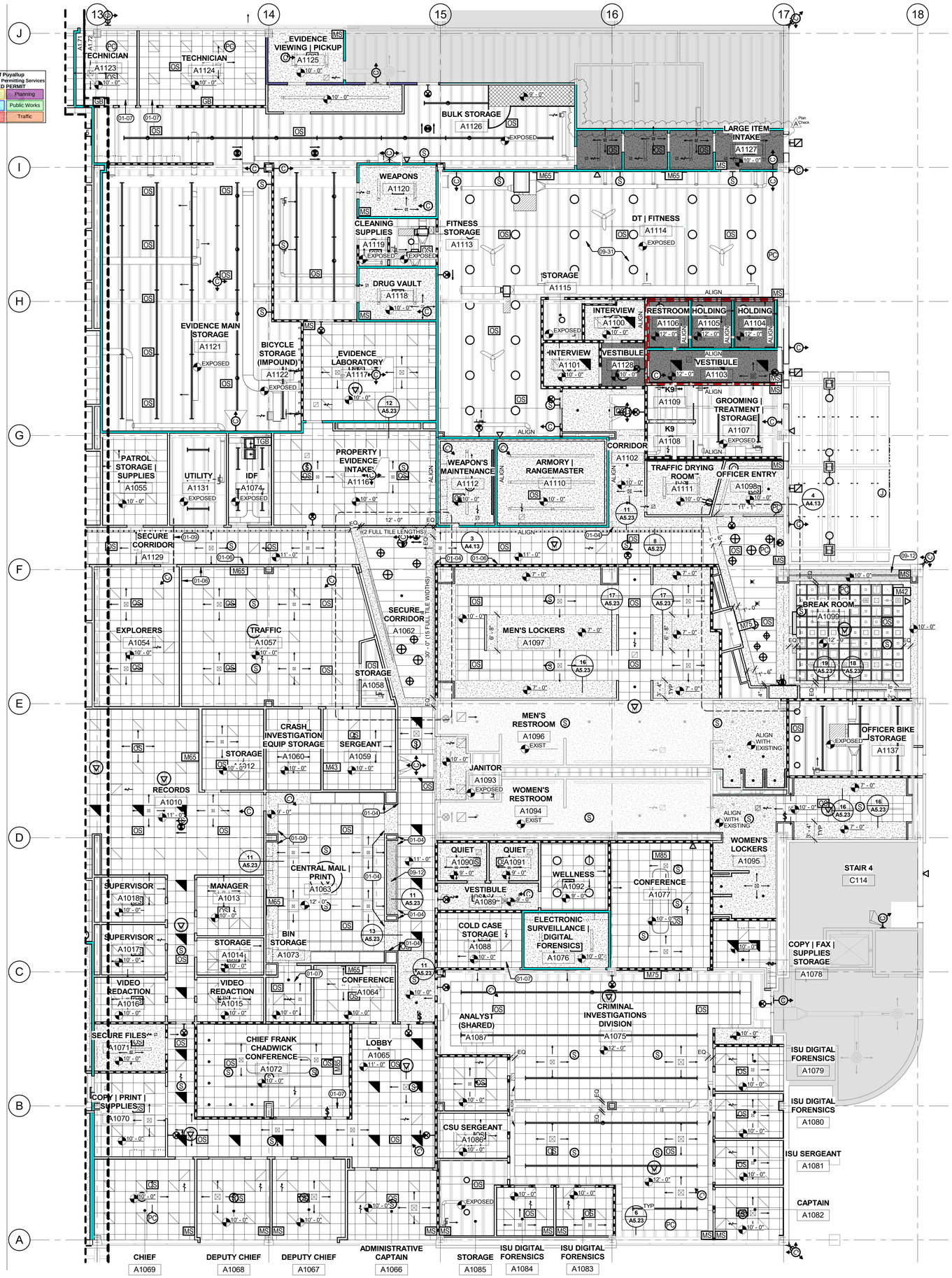

1 / A1.72 FIRST FLOOR REFLECTED CEILING PLAN - AREA B
1/8" = 1'-0"

GENERAL NOTES

A. SALVAGED EXISTING ACOUSTICAL TILES TO BE REUSED FOR NEW CEILING GRID TO FULLEST EXTENT POSSIBLE.
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LEGEND

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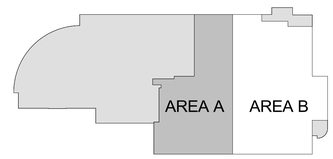
- GWB ON METAL STUD FRAMING AT 16" OFF CENTER (GWB1)
- GWB SOFFIT WITH ACCENT PAINT LOCATION (GWB1)
- GWB (SECURE) ON METAL STUD FRAMING AT 16" OFF CENTER, 1 HOUR RATED (GWB2)
- OPEN TO STRUCTURE (EXPOSED)
- 2'X2' SUSPENDED CEILING GRID WITH ACOUSTIC CEILING TILE (SAT1)
- 2'X6' SUSPENDED CEILING GRID WITH ACOUSTIC CEILING TILE (SAT2)
- 2'X2' SUSPENDED CEILING GRID WITH ACOUSTIC FELT CEILING TILE (AFT)
- WOOD GRILLE
- WIRE CAGE LID (WC)

KEYNOTES

01-04 ALIGN CEILING SOFFIT WITH FINISH FACE OF ADJACENT PARTITION
01-06 ALIGN CEILING TILE GRID WITH FINISH FACE OF ADJACENT PARTITION
01-07 CENTER CEILING TILE GRID WITHIN ROOM
01-09 ALIGN CEILING GRID EDGE AT CENTER OF CORRIDOR RUNNING NORTH/SOUTH
09-12 ACCENT PAINT (P2) ON SOFFIT UNDERSIDE FACE
09-31 ACOUSTIC CEILING SPRAY ON DECK AND WRAPPED 4'-0" DOWN ADJACENT WALLS

KEY PLAN



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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Plan Check Response 1	04/09/2025

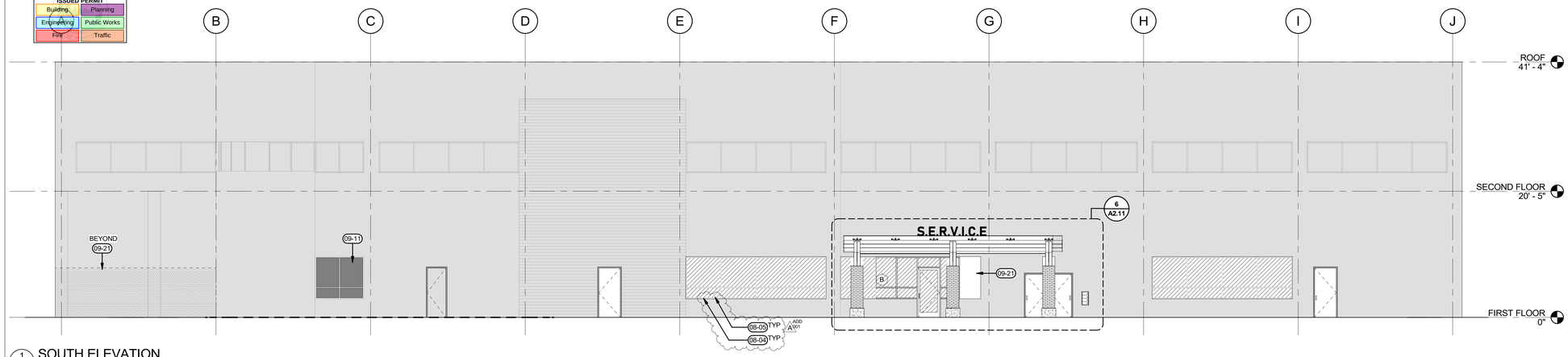
SHEET TITLE:
PARTIAL FIRST FLOOR REFLECTED CEILING PLAN - AREA B

SHEET
A1.72

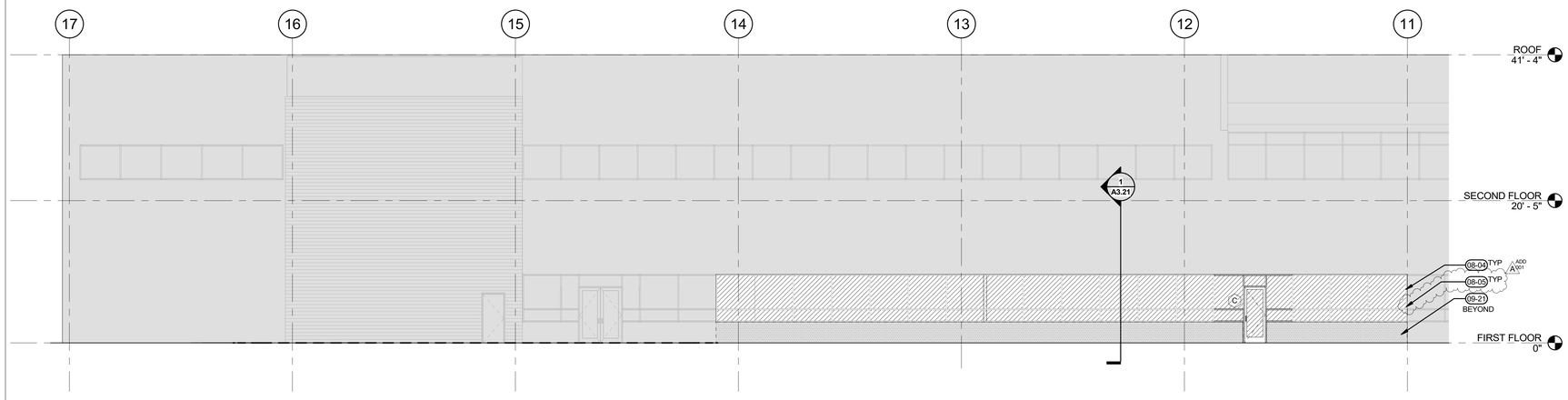
JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025

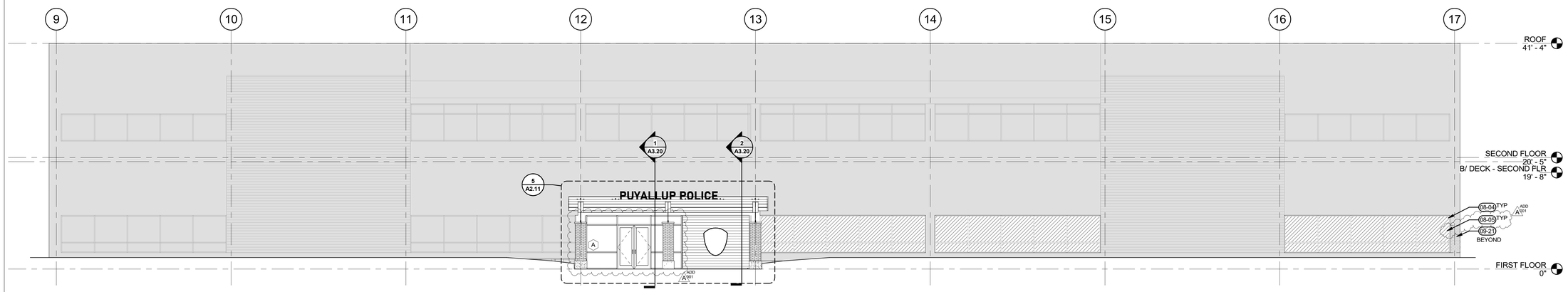
City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic



1 A2.10 SOUTH ELEVATION
1/8" = 1'-0"



2 A2.10 EAST ELEVATION
1/8" = 1'-0"



3 A2.10 WEST ELEVATION
1/8" = 1'-0"

GENERAL NOTES

A. CONTRACTOR SHALL VERIFY AND CONFIRM DIMENSIONS AND LAYOUT INFORMATION. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION. DO NOT SCALE DRAWINGS.
B. REFER TO A6.10 FOR EXTERIOR WINDOW SCHEDULE.

LEGEND

- EXISTING TO REMAIN
- S-1, STUCCO, PAINTED
  COLOR: TBD
- SV-1, STONE VENEER COLUMN WRAP TYP
  PRODUCT: ELDORADO STONE, STYLE: RUSTIC LEDGE, CASCADE
- WP-1, WOOD PLANK RAIN SCREEN
  MATERIAL: WALNUT WOOD
- C-1, INTEGRAL COLOR CONCRETE
  COLOR: SAN DIEGO BUFF 5237
- LEVEL 2 BALLISTIC INSULATED GLASS
- LEVEL 2 BALLISTIC PANELING
  (INTERIOR SIDE OF WALL)
- (X) WINDOW TAG - SEE EXTERIOR WINDOW SCHEDULE ON A6.10

KEYNOTES

08-04	PROVIDE AND INSTALL LEVEL-2 RATED BALLISTIC GLAZED BACK GLAZED SYSTEM TO INBOARD LITE AT WINDOW ASSEMBLY, TYP. REFER TO EXTERIOR ELEVATIONS FOR LOCATIONS. BOD: SAFEHAVEN GLAZED FILM. PROVIDE LEVEL-2 RATED BALLISTIC GLAZING AT EXTERIOR DOORS AND DOOR LITES INDICATED, TYP.
08-05	ALTERNATE 1 - PROVIDE BALLISTIC RATED CURTAINWALL ASSEMBLY IN ENTIRETY WHERE LEVEL-3 RATED GLAZING IS INDICATED PER EXTERIOR ELEVATIONS, TYP. SELECTIVELY DEMOLISH EXISTING WINDOW ASSEMBLY AND REPLACE WITH ALUMINUM CURTAIN-WALL ASSEMBLY AT GROUND LEVEL WINDOWS INDICATED.
09-11	FROSTED WINDOW PRIVACY FILM (WF1) - LOCATE AT INTERIOR SIDE
09-21	EXTERIOR WALL INFILL - PORTLAND CEMENT PLASTER ON METAL LATH OVER SHEATHING AND FRAMING- MATCH EXISTING TYP.

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City of Puyallup

Project
Puyallup Public Safety Building
1015 39th Avenue SE, Puyallup, WA, 98374

11049 REGISTERED ARCHITECT
Brett Lee Hanson
STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
EXTERIOR BUILDING ELEVATIONS

SHEET
A2.10

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/26907-PPSB Benaroya-V23-A.rvt 4/8/2025 3:02:45 PM As Indicated

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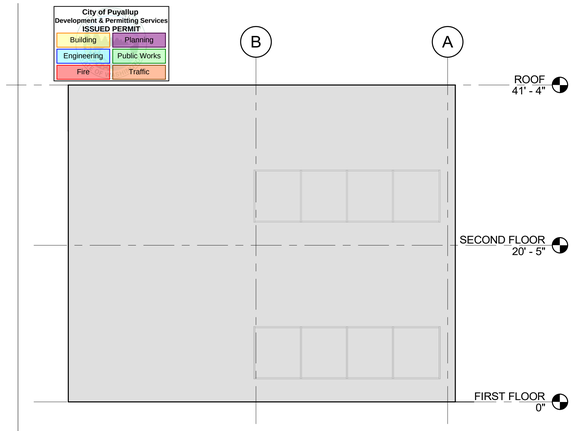
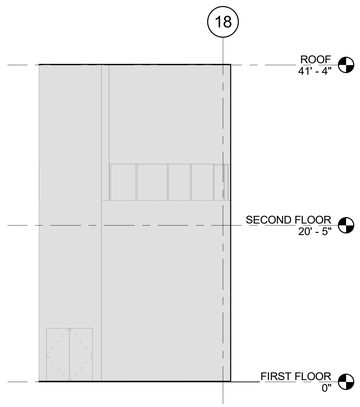
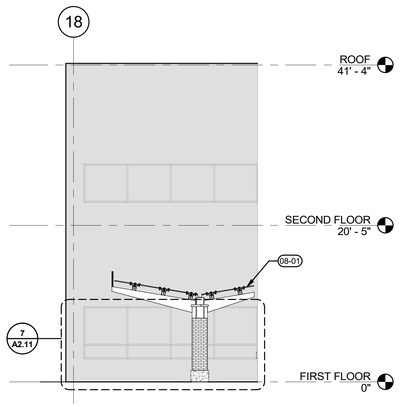


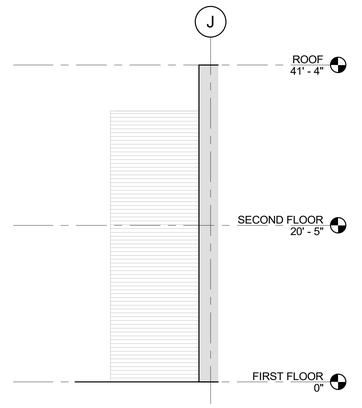
1 A2.11 PARTIAL NORTH ELEVATION
1/8" = 1'-0"



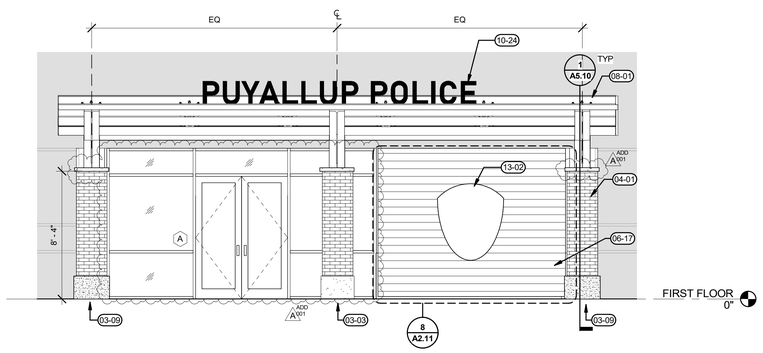
2 A2.11 PARTIAL SOUTH ELEVATION
1/8" = 1'-0"



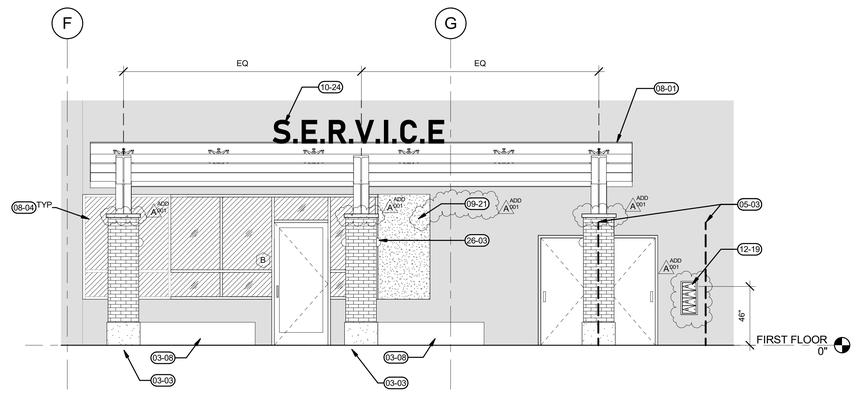
3 A2.11 PARTIAL EAST ELEVATION
1/8" = 1'-0"



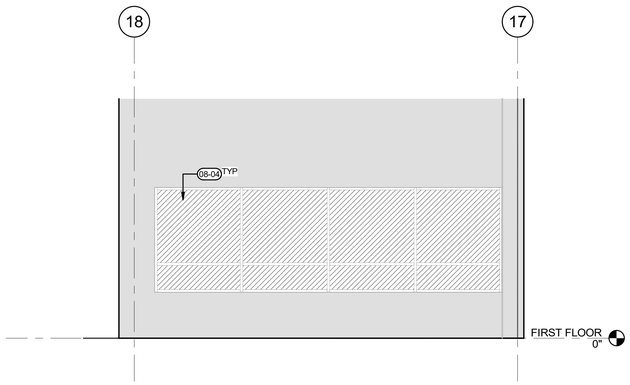
4 A2.11 PARTIAL SOUTH ELEVATION
1/8" = 1'-0"



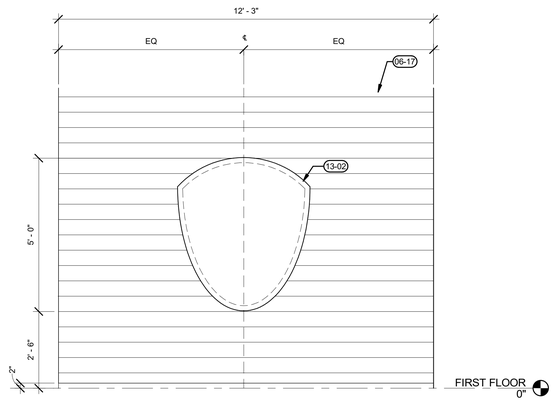
5 A2.11 ENLARGED WEST ENTRANCE ELEVATION
1/4" = 1'-0"



6 A2.11 ENLARGED SOUTH ENTRANCE CANOPY ELEVATION
1/4" = 1'-0"



7 A2.11 ENLARGED PARTIAL EAST ELEVATION
1/4" = 1'-0"



8 A2.11 ENLARGED PLAQUE WALL ELEVATION
1/2" = 1'-0"

GENERAL NOTES

A. CONTRACTOR SHALL VERIFY AND CONFIRM DIMENSIONS AND LAYOUT INFORMATION. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION. DO NOT SCALE DRAWINGS.
B. REFER TO A6.10 FOR EXTERIOR WINDOW SCHEDULE.

KEYNOTES

03-03	INTEGRAL COLOR CONCRETE COLUMN BASE, TYP. REFER TO A5.10 FOR MORE DETAIL
03-08	8' CONCRETE BENCHES, SEE LANDSCAPE FOR MORE INFORMATION
03-09	CONCRETE SITE WALLS, SEE LANDSCAPE FOR MORE INFORMATION
04-01	STONE VENEER WRAP TO MATCH EXISTING
05-03	FENCING, SEE CIVIL FOR MORE INFORMATION
06-17	WOOD PLANK RAINSCREEN SYSTEM WITH CONCEALED CLIPS OVER EXTERIOR WALL ASSEMBLY - WOOD SPECIES WALNUT WOOD
08-01	GLAZED ENTRY CANOPY, BASIS OF DESIGN(BOD): DEAMOR
08-04	PROVIDE AND INSTALL LEVEL-2 RATED BALLISTIC GLAZED BACK GLAZED SYSTEM TO INBOARD LITE AT WINDOW ASSEMBLY, TYP. REFER TO EXTERIOR ELEVATIONS FOR LOCATIONS. BOD: SAFEHAVEN GLAZED FILM. PROVIDE LEVEL-2 RATED BALLISTIC GLAZING AT EXTERIOR DOORS AND DOOR LITES INDICATED, TYP. ADD A001
09-21	EXTERIOR WALL INFILL - PORTLAND CEMENT PLASTER ON METAL LATH OVER SHEATHING AND FRAMING; MATCH EXISTING TYP.
10-24	BACKLIT FREE-STANDING DIMENSIONAL LETTER SIGNAGE MOUNTED AT CANOPY, 18" HEIGHT. ILLUMINATION SYSTEM AS SPECIFIED, UNO.
12-19	4-COMPARTMENT WALL MOUNTED GUN LOCKER (L1)
13-02	POLICE STATION PLAQUE, LOW-RELIEF ALUMINUM WITH SINGLE COLOR FINISH. BACKLIT WITH REMOTE CHANGING LED STRIP. REFER TO ELECTRICAL
26-03	EXTERIOR LIGHTING SCONCE, SEE ELECTRICAL FOR MORE INFORMATION

LEGEND

- EXISTING TO REMAIN
- S-1, STUCCO, PAINTED
  COLOR: TBD
- SV-1, STONE VENEER COLUMN WRAP TYP
  PRODUCT: ELDORADO STONE, STYLE: RUSTIC LEDGE, CASCADE
- WP-1, WOOD PLANK RAIN SCREEN
  MATERIAL: WALNUT WOOD
- C-1, INTEGRAL COLOR CONCRETE
  COLOR: SAN DIEGO BUFF 5237
- LEVEL 2 BALLISTIC INSULATED GLASS
- LEVEL 2 BALLISTIC PANELING
  (INTERIOR SIDE OF WALL)
- X WINDOW TAG - SEE EXTERIOR WINDOW SCHEDULE ON A6.10

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Client
City of Puyallup

Project
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1015 39th Avenue SE, Puyallup, WA, 98374

11049 REGISTERED ARCHITECT
Brett Lee Hanson
STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
PARTIAL & ENLARGED EXTERIOR BUILDING ELEVATIONS

SHEET
A2.11

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/26907-PPSB Benaroya-V23-A.rvt 4/8/2025 3:02:52 PM As Indicated

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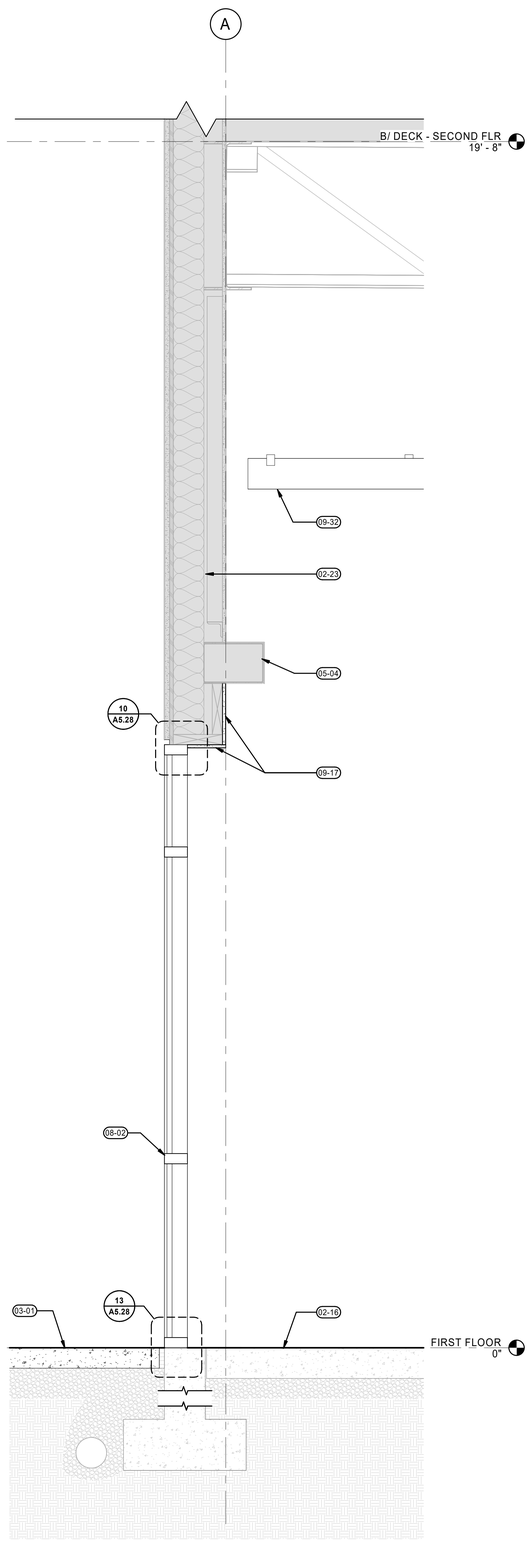
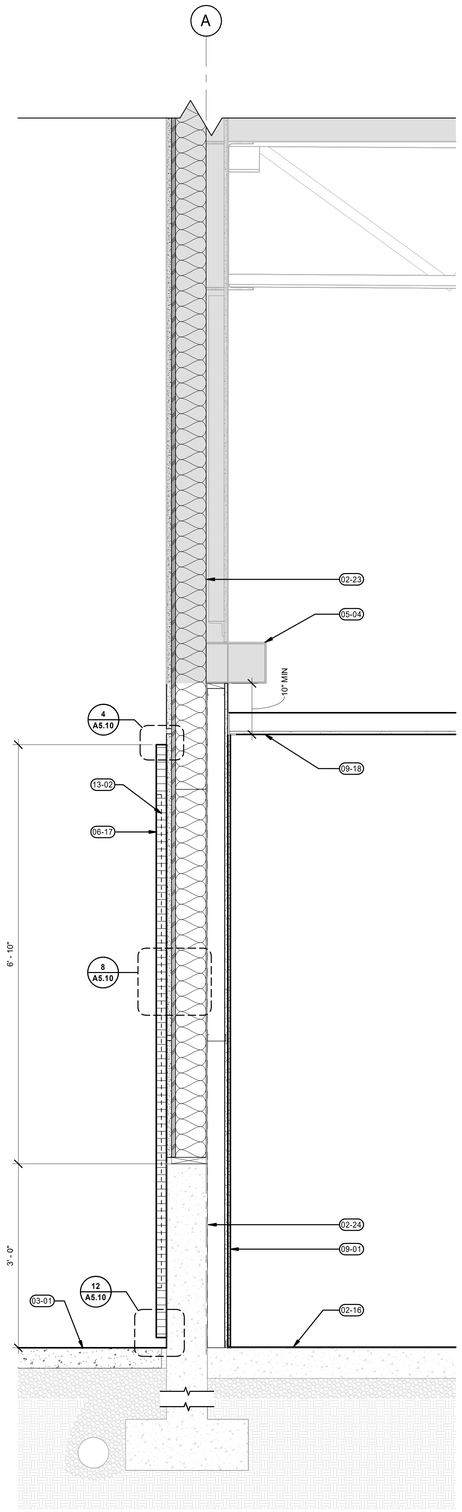
Building	Planning
Engineering	Public Works
Fire	Traffic



1 A3.20 WALL SECTION - ENTRY
1" = 1'-0"



2 A3.20 WALL SECTION - WOOD RAINSCREEN
1" = 1'-0"

GENERAL NOTES

A. SEE ELEVATIONS FOR EXTERIOR WINDOW TYPE DESIGNATION
B. ELEVATION XXX.X' = FINISH FLOOR ELEVATION INDICATED IN CIVIL DRAWINGS
C. CONTRACTOR SHALL VERIFY AND CONFIRM ALL DIMENSIONS AND LAYOUT INFORMATION. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUTION. DO NOT SCALE DRAWINGS.
D. REFER TO ENLARGED PLANS WHERE INDICATED FOR ADDITIONAL INFORMATION. ENLARGED PLANS TAKE PRECEDENT OVER PLANS OF SMALLER SCALE

KEYNOTES

02-16	TILE FINISH OVER EXISTING SLAB - REFER TO FINISH PLANS, TYP
02-23	EXISTING EXTERIOR WALL AND FRAMING TYP
02-24	EXISTING STEMWALL
03-01	SLOPED SIDEWALK - REFER TO CIVIL
05-04	EXISTING HSS BEAM TO REMAIN
06-17	WOOD PLANK RAINSCREEN SYSTEM WITH CONCEALED CLIPS OVER EXTERIOR WALL ASSEMBLY - WOOD SPECIES WALNUT WOOD
08-02	STOREFRONT DOOR AND GLAZING ASSEMBLY
09-01	WALL TILE (T4) ALIGN TILE WITH FLOOR TILES WHERE OCCURS
09-17	REPLACE AND PAINT GWB AT SOFFIT AS SCHED - TERMINATE AT ADJACENT EXISTING STRUCTURE.
09-18	GYPSUM CEILING. REFER TO INTERIOR PLANS FOR CEILING FINISH, TYP.
09-32	SUSPENDED SOLID WOOD CEILING WITH NOTCHED BACKERS - REFER TO CEILING PLAN AND FINISH SCHED, TYP.
13-02	POLICE STATION PLAQUE, LOW-RELIEF ALUMINUM WITH SINGLE COLOR FINISH. BACKLIT WITH REMOTE CHANGING LED STRIP. REFER TO ELECTRICAL

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1015 39th Avenue SE, Puyallup, WA, 98374

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
WALL SECTIONS

SHEET
A3.20

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/26907-PPSB Benaroya-V23-A.rvt 3/3/2025 1:46:57 PM As indicated

City of Puyallup
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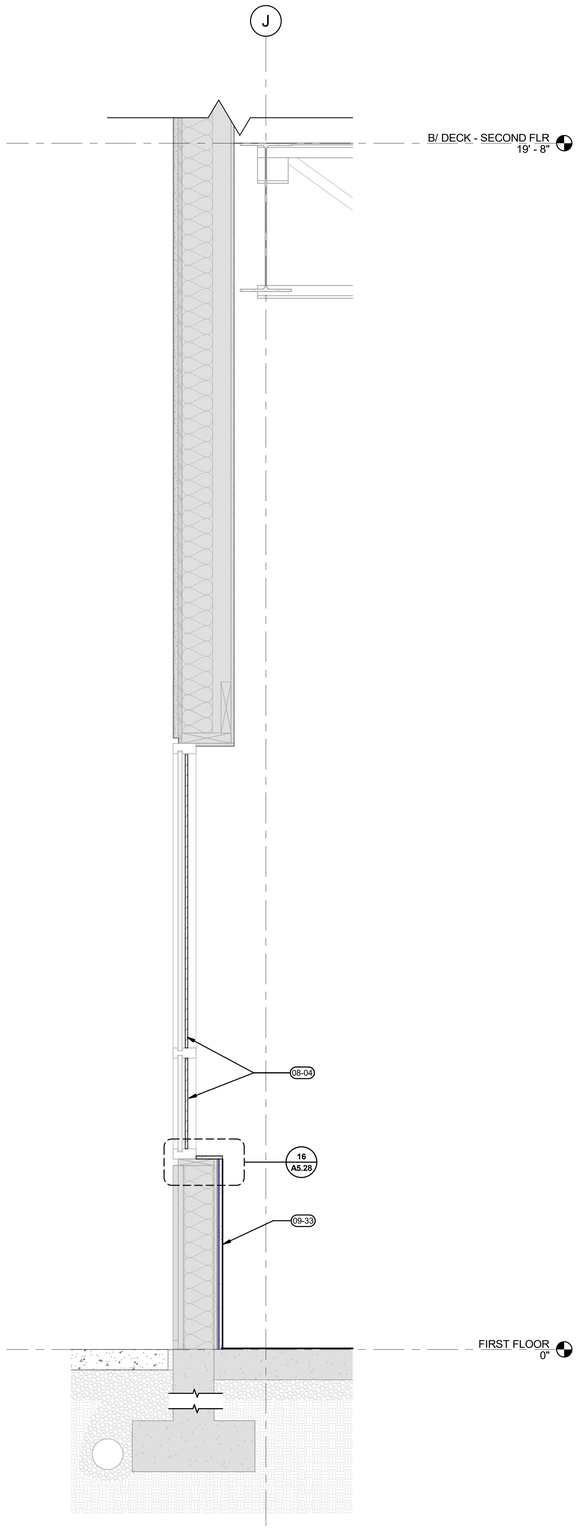
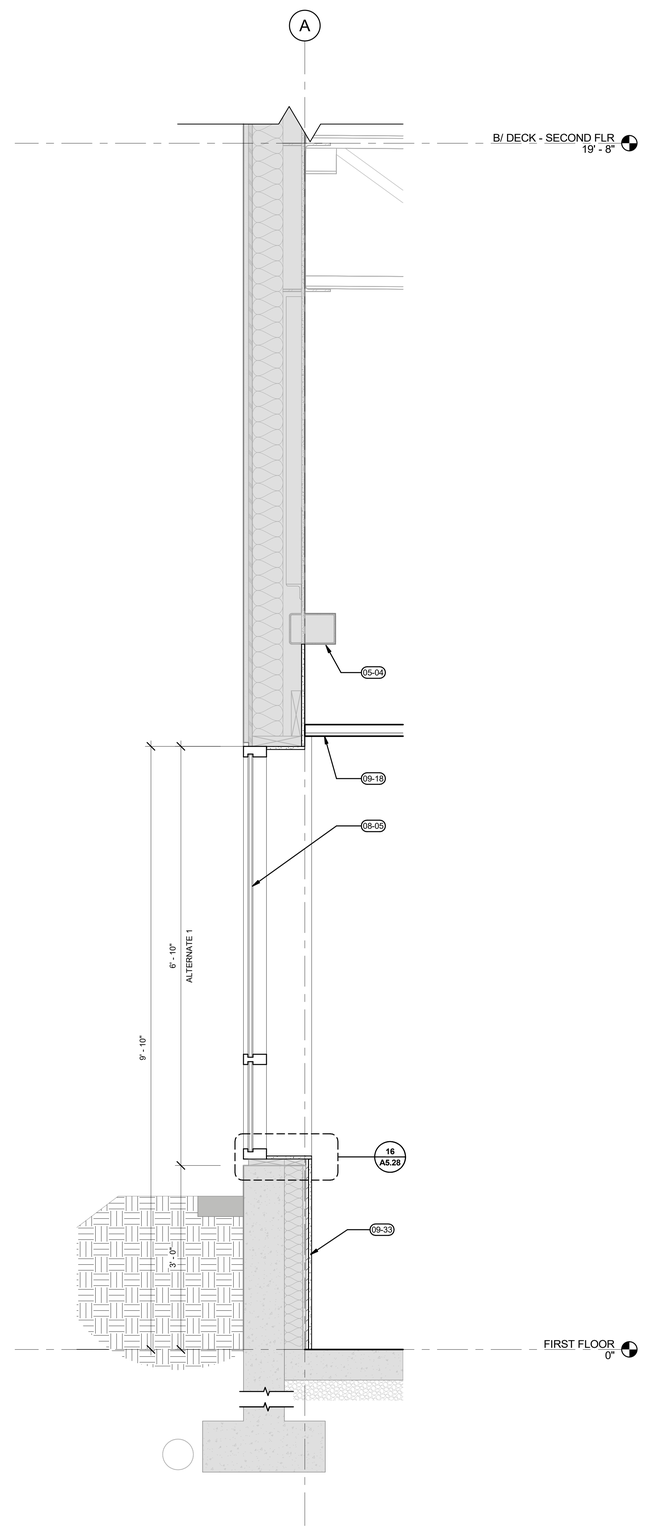
Building	Planning
Engineering	Public Works
Fire	Traffic



1 A3.21 TYPICAL WINDOW WALL SECTION - BALLISTIC IMPROVEMENTS
1" = 1'-0"



2 A3.21 TYPICAL WINDOW WALL SECTION - BALLISTIC CURTAINWALL (ALTERNATE 1)
1" = 1'-0"

GENERAL NOTES

A. SEE ELEVATIONS FOR EXTERIOR WINDOW TYPE DESIGNATION
B. ELEVATION XXX.X' = FINISH FLOOR ELEVATION INDICATED IN CIVIL DRAWINGS
C. CONTRACTOR SHALL VERIFY AND CONFIRM ALL DIMENSIONS AND LAYOUT INFORMATION. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUTION. DO NOT SCALE DRAWINGS.
D. REFER TO ENLARGED PLANS WHERE INDICATED FOR ADDITIONAL INFORMATION. ENLARGED PLANS TAKE PRECEDENT OVER PLANS OF SMALLER SCALE

KEYNOTES

05-04	EXISTING HSS BEAM TO REMAIN
08-04	PROVIDE AND INSTALL LEVEL-2 RATED BALLISTIC GLAZED FILM SYSTEM TO INBOARD LITE AT WINDOW ASSEMBLY, TYP. REFER TO EXTERIOR ELEVATIONS FOR LOCATIONS. BOD: SAFEHAVEN GLAZED FILM. PROVIDE LEVEL-2 RATED BALLISTIC GLAZING AT EXTERIOR DOORS AND DOOR LITES INDICATED, TYP.
08-05	ALTERNATE 1 - PROVIDE BALLISTIC RATED CURTAINWALL ASSEMBLY IN ENTIRETY WHERE LEVEL-2 RATED GLAZING IS INDICATED PER EXTERIOR ELEVATIONS, TYP. SELECTIVELY DEMOLISH EXISTING WINDOW ASSEMBLY AND REPLACE WITH ALUMINUM CURTAIN-WALL ASSEMBLY AT GROUND LEVEL WINDOWS INDICATED.
09-18	GYPSUM CEILING. REFER TO INTERIOR PLANS FOR CEILING FINISH, TYP.
09-33	(GPWA-1) BULLET RESISTANT SHEATHING OVER EXISTING GWB - REFER TO EXTERIOR ELEVATIONS FOR LOCATIONS. PROVIDE FINISH PAINTED GWB LAYER OVER BALLISTIC SHEATHING AS SCHEDULED, TYP. COORDINATE ELECTRICAL BOXES AS REQUIRED.

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
WALL SECTIONS

SHEET
A3.21

JOB NO. **2170269.07**

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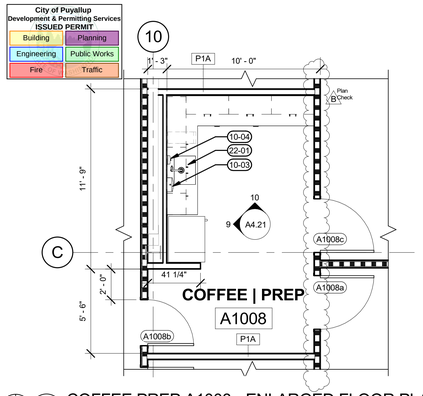
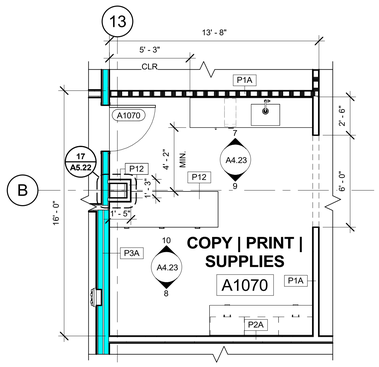
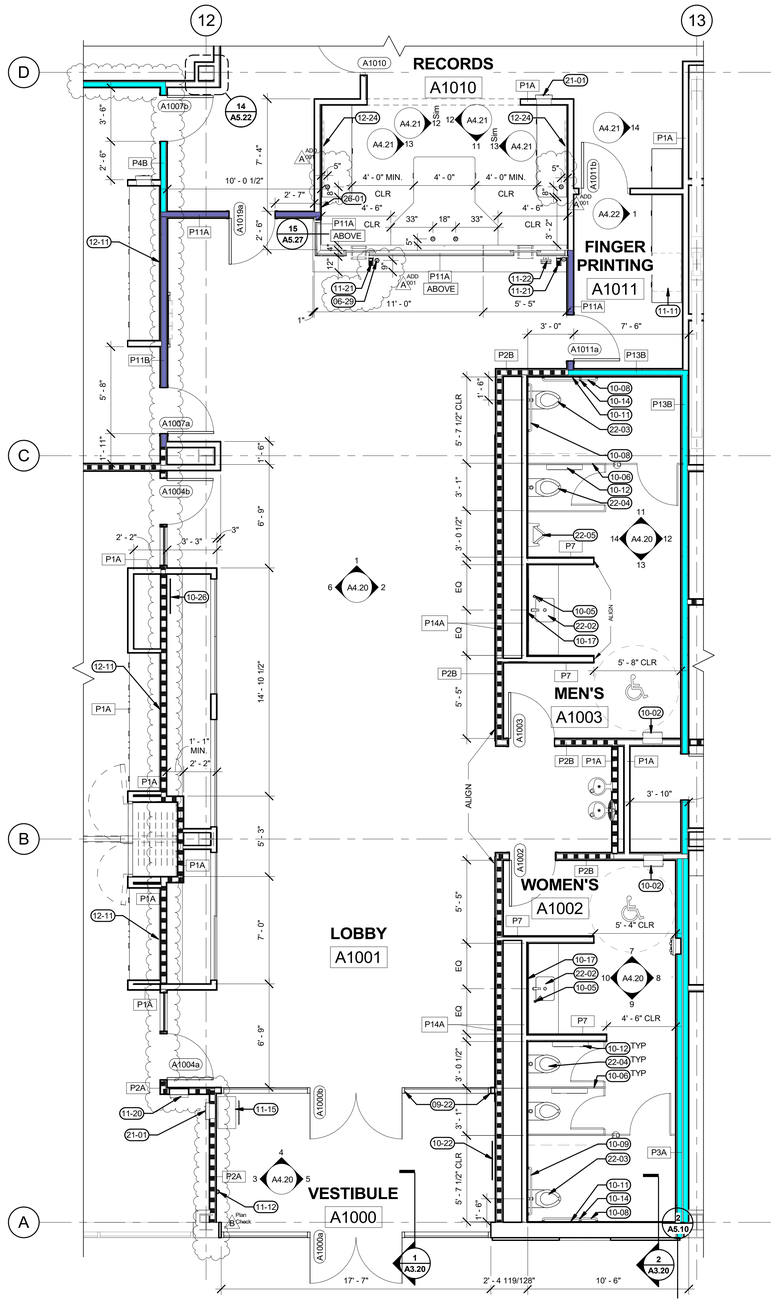


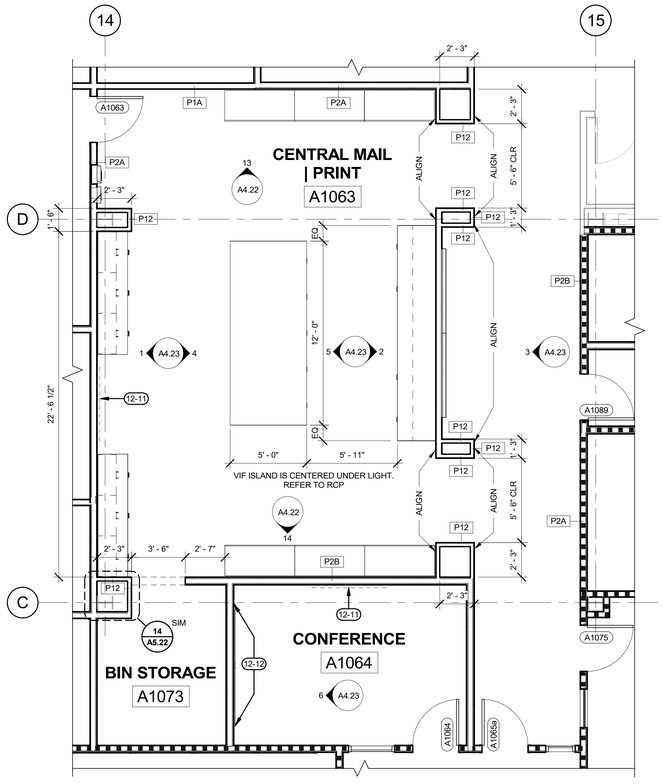
2 / A4.10 COFFEE PREP A1008 - ENLARGED FLOOR PLAN
1/4" = 1'-0"



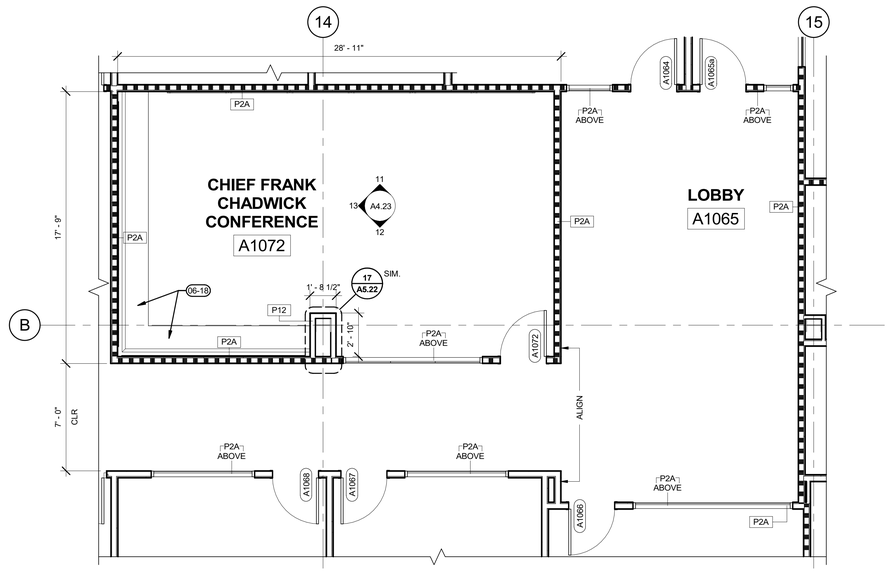
3 / A4.10 COPY | PRINT | SUPPLIES A1070 - ENLARGED FLOOR PLAN
1/4" = 1'-0"



1 / A4.10 LOBBY - ENLARGED PLAN
1/4" = 1'-0"



4 / A4.10 CENTRAL MAIL PRINT A1063 - ENLARGED FLOOR PLAN
1/4" = 1'-0"



5 / A4.10 ADMIN LOBBY A1066 AND ADMIN CONFERENCE A1072 - ENLARGED FLOOR PLAN
1/4" = 1'-0"

City of Puyallup
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Building	Planning
Engineering	Public Works
Fire	Traffic

GENERAL NOTES

A. REFER TO ARCHITECTURAL GENERAL NOTES ON G0.03 FOR ADDITIONAL INFORMATION
B. REFER TO A0.01 FOR ADA ACCESSIBILITY REQUIREMENTS
C. REFER TO A0.02 FOR WALL TYPES
D. REFER TO A1.40 FOR SCHEDULE OF INTERIOR FINISHES
E. REFER TO FINISH PLAN FOR CASEWORK AND RELATED FINISH INFORMATION
F. WALL THICKNESSES ARE ACTUAL, UNLESS NOTED OTHERWISE
G. DOORS NOT DIMENSIONED ARE TO BE LOCATED 4" FROM FACE OF WALL TO OUTSIDE OF JAMB, TYPICAL. REFER TO DOOR SCHEDULE FOR DOOR TYPE DESIGNATION AND ADD'L INFORMATION.
H. DIMENSIONS ADJACENT TO LATCH SIDE OF DOORS (IF PROVIDED) INDICATE ACCESSIBLE CLEARANCES REQUIRED BETWEEN THE CLEAR DOOR OPENING AND THE ADJACENT FINISH.
I. ALL PARTITIONS TO BE P1A UNLESS OTHERWISE NOTED.

LEGEND

- INTERIOR PARTITION PER PLAN
- EXISTING INTERIOR PARTITION PER PLAN
- CMU WALL PER PLAN
- 1-HOUR FIRE RATED ASSEMBLY
- BALLISTIC ASSEMBLY
- SECURITY ASSEMBLY
- 1-HOUR FIRE RATED, BALLISTIC ASSEMBLY
- 1-HOUR FIRE RATED, SECURITY ASSEMBLY
- FULL HEIGHT ASSEMBLY
- CMU 1-HOUR FIRE RATED ASSEMBLY - CMU 12'-8" WITH GWB WALL ABOVE. REFER TO A5.21/10 (ADD A001)
- MODIFIED EXISTING INTERIOR PARTITION TO SECURITY PARTITON
- EXISTING TO REMAIN (NO WORK IN THIS AREA)
- SLOPED SLAB

KEYNOTES

06-18	UPHOLSTERED BUILT-IN BENCH WITH BACK SUPPORT. BENCH FINISH TO BE PL1
ADD A001 06-29	GROMMETS (GR1), REFER TO PLAN FOR PLACEMENT
09-22	WINDOW FILM GRAPHIC (WF2), GRAPHIC TO BE VERIFIED PRIOR TO FABRICATION
10-02	SEMI RECESSED PAPER TOWEL DISPENSER AND WASTE RECEPTACLE (PDT1)
10-03	SURFACE MOUNTED PAPER TOWEL DISPENSER (PDT2)
10-04	SURFACE MOUNTED SOAP DISPENSER (SOAP1)
10-05	COUNTER MOUNTED SOAP DISPENSER (SOAP2)
10-06	TOILET PARTITION (TPT1)
10-08	ACCESSIBLE GRAB BAR - 36" (GB1)
10-09	ACCESSIBLE GRAB BAR - 42" (GB2)
10-11	RECESSED COMBINATION TOILET SEAT COVER, TOILET PAPER DISPENSER AND SANITARY NAPKIN DISPOSAL (CSD1)
10-12	SURFACE MOUNTED COMBINATION TOILET SEAT COVER, TOILET PAPER DISPENSER AND SANITARY NAPKIN DISPOSAL (CSD2)
ADD A001 10-14	ACCESSIBLE VERTICAL GRAB BAR - 18" (GB3)
10-17	ANNEALED WALL MIRROR, PROVIDE BACKING IN WALL (MR1)
10-22	DEDICATION PLAQUE. REFER TO DETAIL 07/A7.14 FOR SIGNAGE
10-26	TIME CAPSULE PLAQUE
11-11	FINGERPRINT MACHINE (RELOCATED OFCI)
11-12	911 PHONE (REFER TO ELECTRICAL)
11-15	PRESCRIPTION DROP-OFF BOX (OFOI)
11-20	AUTOMATED EXTERNAL DEFIBRILLATOR (AED) WITH FIRST AID CABINET ABOVE
ADD A001 11-21	CREDIT CARD READER. COORDINATE POWER CORDS THROUGH WALL BELOW. PROVIDE GROMMETS FOR ACCESS TO POWER ON SECURE SIDE OF RECEPTION DESK (OFCI) (COORDINATE WITH ELECTRICAL)
11-22	IPAD WITH MOUNTING ARMATURE. COORDINATE POWER CORDS THROUGH WALL BELOW. PROVIDE GROMMETS FOR ACCESS TO POWER ON SECURE SIDE OF RECEPTION DESK (OFCI) (COORDINATE WITH ELECTRICAL)
12-11	65" WALL MOUNTED TV, PROVIDE WALL BRACKET AND BACKING IN WALL
12-12	CUSTOM SIZED FRAMELESS GLASS MARKERBOARDS (DB2, DB3), MOUNT BOTTOM AT 24" AFF. PROVIDE BACKING IN WALL
12-24	55" WALL MOUNTED TV, PROVIDE WALL BRACKET AND BACKING IN WALL
21-01	RECESSED FIRE EXTINGUISHER CABINET
22-01	UNDERMOUNT STAINLESS STEEL SINK WITH GARBAGE DISPOSAL (REFER TO PLUMBING)
22-02	UNDERMOUNT PORCELAIN SINK (REFER TO PLUMBING)
22-03	ADA ACCESSIBLE WALL MOUNTED TOILET (REFER TO PLUMBING)
22-04	STANDARD HEIGHT WALL MOUNTED TOILET (REFER TO PLUMBING)
22-05	ADA ACCESSIBLE HEIGHT WALL MOUNTED URINAL (REFER TO PLUMBING)
26-01	PANIC BUTTON (COORDINATE LOCATION WITH FURNITURE VENDOR)

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025
B	Plan Check Response 1	04/09/2025

SHEET TITLE:
ENLARGED PLANS

SHEET
A4.10

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025
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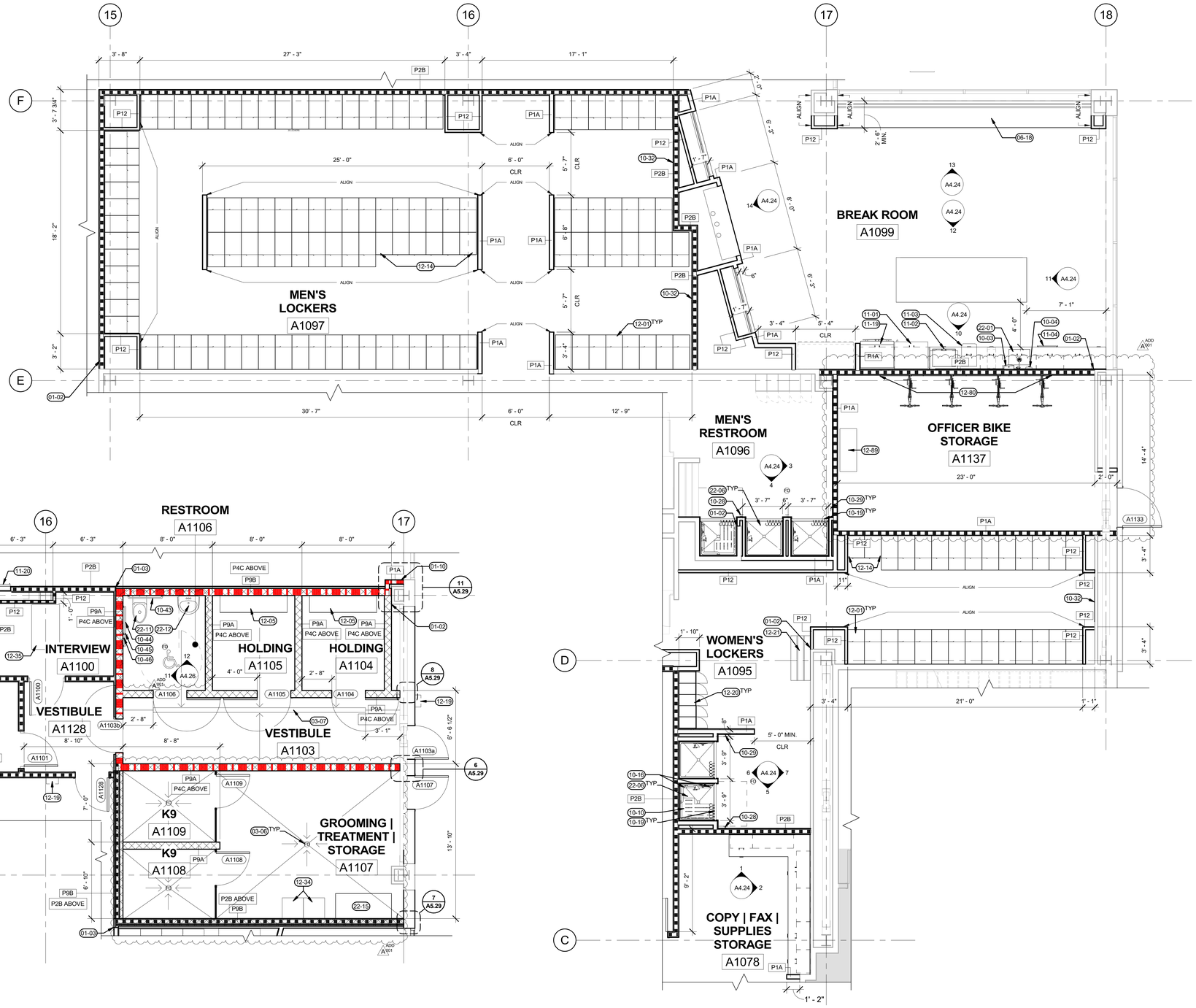

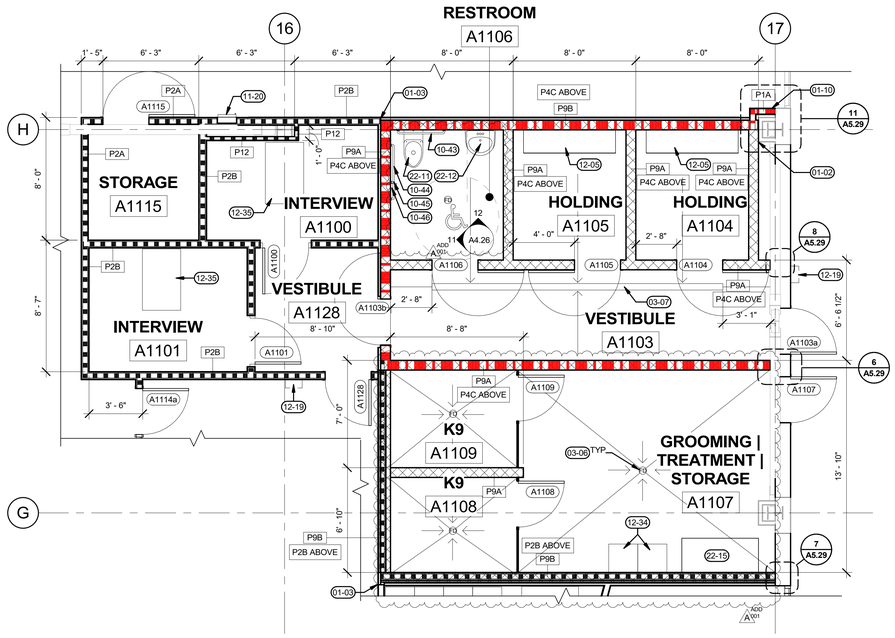

1 A4.11 K9 | HOLDING | INTERVIEW - ENLARGED FLOOR PLAN
1/4" = 1'-0"

2 A4.11 WOMENS LOCKERS A1095 AND MENS LOCKERS A1097 - ENLARGED FLOOR PLAN
1/4" = 1'-0"

GENERAL NOTES

A. REFER TO ARCHITECTURAL GENERAL NOTES ON G0.03 FOR ADDITIONAL INFORMATION
B. REFER TO A0.01 FOR ADA ACCESSIBILITY REQUIREMENTS
C. REFER TO A0.02 FOR WALL TYPES
D. REFER TO A1.40 FOR SCHEDULE OF INTERIOR FINISHES
E. REFER TO FINISH PLAN FOR CASEWORK AND RELATED FINISH INFORMATION
F. WALL THICKNESSES ARE ACTUAL, UNLESS NOTED OTHERWISE
G. DOORS NOT DIMENSIONED ARE TO BE LOCATED 4" FROM FACE OF WALL TO OUTSIDE OF JAMB, TYPICAL. REFER TO DOOR SCHEDULE FOR DOOR TYPE DESIGNATION AND ADD'L INFORMATION.
H. DIMENSIONS ADJACENT TO LATCH SIDE OF DOORS (IF PROVIDED) INDICATE ACCESSIBLE CLEARANCES REQUIRED BETWEEN THE CLEAR DOOR OPENING AND THE ADJACENT FINISH.
I. ALL PARTITIONS TO BE P1A UNLESS OTHERWISE NOTED.

LEGEND

- INTERIOR PARTITION PER PLAN
- EXISTING INTERIOR PARTITION PER PLAN
- CMU WALL PER PLAN
- 1-HOUR FIRE RATED ASSEMBLY
- BALLISTIC ASSEMBLY
- SECURITY ASSEMBLY
- 1-HOUR FIRE RATED, BALLISTIC ASSEMBLY
- 1-HOUR FIRE RATED, SECURITY ASSEMBLY
- FULL HEIGHT ASSEMBLY
- CMU 1-HOUR FIRE RATED ASSEMBLY - CMU 12'-8" WITH GWB WALL ABOVE. REFER TO A5.21/10 (ADD A001)
- MODIFIED EXISTING INTERIOR PARTITION TO SECURITY PARTITON
- EXISTING TO REMAIN (NO WORK IN THIS AREA)
- SLOPED SLAB

KEYNOTES

01-02	ALIGN FINISH FACE OF NEW PARTITION WITH FINISH FACE OF EXISTING PARTITION
01-03	ALIGN PARTITIONS
01-10	ALIGN FINISH FACE OF NEW PARTITION WITH FINISH FACE OF EXISTING WINDOW JAMB
03-06	SLOPE SLAB TO FLOOR DRAIN. MAINTAIN ¼" PER FOOT MINIMUM SLOPE THROUGHOUT
03-07	SLOPE SLAB TO TRENCH. MAINTAIN ¼" PER FOOT MINIMUM SLOPE THROUGHOUT
06-18	UPHOLSTERED BUILT-IN BENCH WITH BACK SUPPORT. BENCH FINISH TO BE-PL1 (ADD A001)
10-03	SURFACE MOUNTED PAPER TOWEL DISPENSER (PDT2)
10-04	SURFACE MOUNTED SOAP DISPENSER (SOAP1)
10-10	FOLDING SHOWER SEAT (FSS1)
10-16	ACCESSIBLE SHOWER GRAB BAR (GB4)
10-19	SHOWER CURTAIN (SHC1), ROD (SHCA1) AND RINGS (SHCA2) (REFER TO PLUMBING)
10-28	TOWEL HOOK (MOUNT AT 48" AFF) (TH1)
10-29	TOWEL HOOK (MOUNT AT 60" AFF) (TH1) (ADD A001)
10-32	48"W X 96"H ANNEALED WALL MOUNTED MIRROR TO BE CENTERED BETWEEN LOCKERS
10-43	ANTI-LIGATURE ACCESSIBLE GRAB BAR - 36". WHITEHALL MODEL #WH1109-4
10-44	ANTI-LIGATURE ACCESSIBLE GRAB BAR - 42". WHITEHALL MODEL #WH1109-5
10-45	ANTI-LIGATURE ACCESSIBLE VERTICAL GRAB BAR - 18". WHITEHALL MODEL #WH1109-7
10-46	ANTI-LIGATURE WALL MOUNTED TOILET PAPER HOLDER. KINGSWAY GROUP KG03
11-01	REFRIGERATOR (REF-2)
11-02	MICROWAVE (MW-1)
11-03	COUNTERTOP ICE AND WATER DISPENSER (IM-1)
11-04	DISHWASHER (DW-1) ,REFER TO PLUMBING
11-19	REFRIGERATOR | FREEZER (REF-1)
11-20	AUTOMATED EXTERNAL DEFIBRILLATOR (AED) WITH FIRST AID CABINET ABOVE
12-01	PERSONAL STORAGE LOCKERS WITH INTEGRATED VENTILATION AND ELECTRICAL (L10)
12-05	STAINLESS STEEL WALL MOUNTED BENCH (HB). KRYPTOMAX MODEL KM-FWB-72IN WITHOUT HANDCUFF RINGS (ADD A001)
12-14	PERSONAL STORAGE ADA LOCKERS WITH INTEGRATED VENTILATION AND ELECTRICAL (L10)
12-19	4-COMPARTMENT WALL MOUNTED GUN LOCKER (L1)
12-20	DOUBLE TIERED METAL LOCKERS (RELOCATED OFCI)
12-21	WOOD TOP BENCH
12-34	METAL TURNOUT GEAR LOCKER (L2)
12-35	STAINLESS STEEL INTERVIEW TABLE WITH RESTRAINT RINGS, BOLT TO FLOOR WITH TAMPER RESISTANT EXPANSION BOLTS (TB)
12-80	PROVIDE (4) BIKE RACK SYSTEMS CENTERED ALONG WALL, MOUNTED AT 6'-0" AFF. PROVIDE BLOCKING AS REQUIRED. G-SWIVEL BIKE, ADJUSTABLE WALL STORAGE SYSTEM, TT-G-SWIVEL-BIKE (ADD A001)
12-89	9-DRAWER ROLLING BLACK WOOD WORK BENCH, KOBALT, MODEL #19045
22-01	UNDERMOUNT STAINLESS STEEL SINK WITH GARBAGE DISPOSAL (REFER TO PLUMBING)
22-06	SHOWER (REFER TO PLUMBING)
22-11	FLOOR MOUNTED TOILET (REFER TO PLUMBING)
22-12	WALL MOUNTED SINK (REFER TO PLUMBING)
22-15	DOG WASH, VEVOR MODEL K1E01026 (REFER TO PLUMBING) (ADD A001)

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REVISION SCHEDULE

Delta	Issued As	Issue Date
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A4.11

JOB NO. 2170269.07

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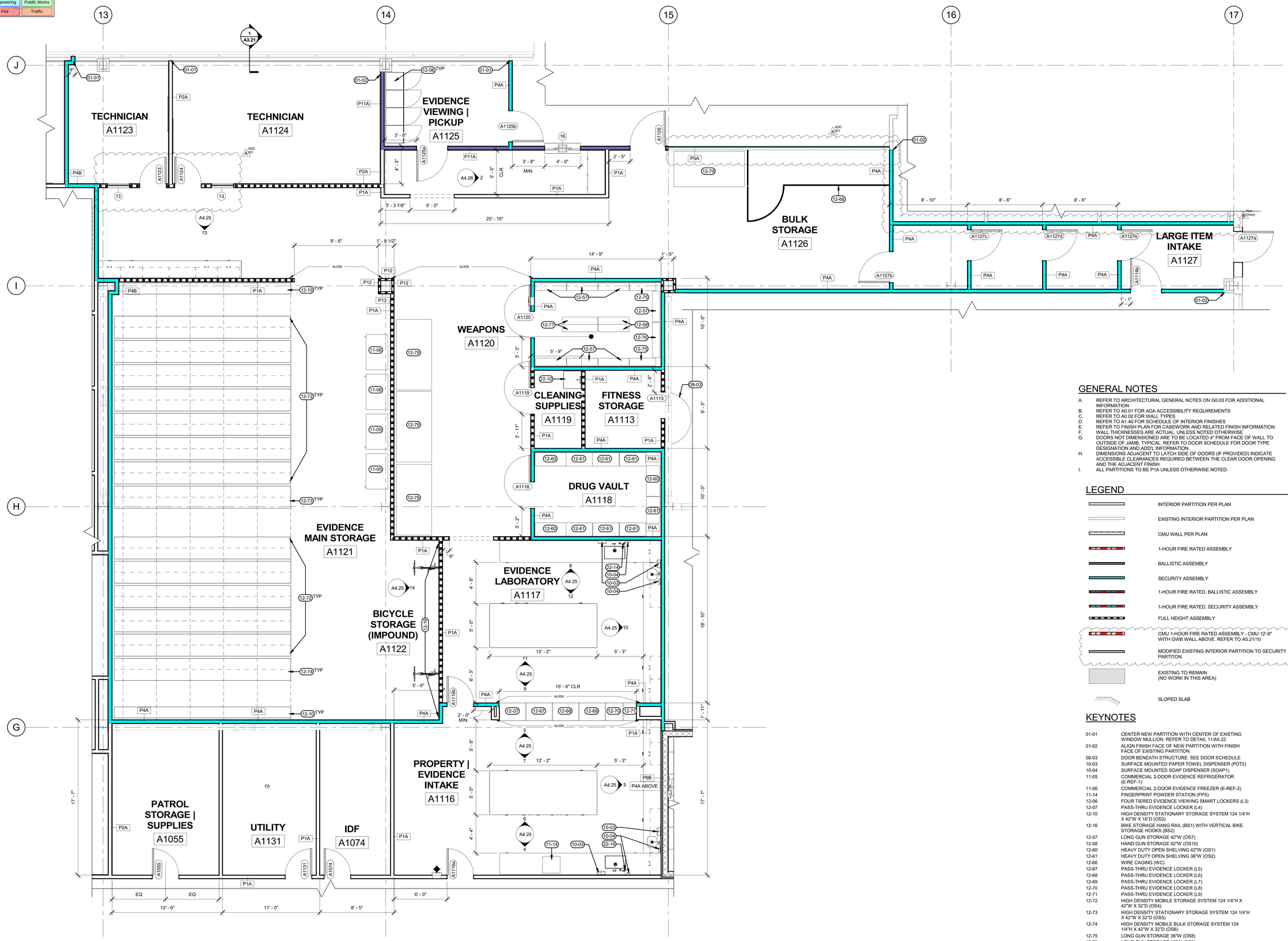

1 A4.12 EVIDENCE - ENLARGED FLOOR PLAN
1/4" = 1'-0"

GENERAL NOTES

A. REFER TO ARCHITECTURAL GENERAL NOTES ON G0.03 FOR ADDITIONAL INFORMATION
B. REFER TO A0.01 FOR ADA ACCESSIBILITY REQUIREMENTS
C. REFER TO A0.02 FOR WALL TYPES
D. REFER TO A1.40 FOR SCHEDULE OF INTERIOR FINISHES
E. REFER TO FINISH PLAN FOR CASEWORK AND RELATED FINISH INFORMATION
F. WALL THICKNESSES ARE ACTUAL, UNLESS NOTED OTHERWISE
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H. DIMENSIONS ADJACENT TO LATCH SIDE OF DOORS (IF PROVIDED) INDICATE ACCESSIBLE CLEARANCES REQUIRED BETWEEN THE CLEAR DOOR OPENING AND THE ADJACENT FINISH.
I. ALL PARTITIONS TO BE P1A UNLESS OTHERWISE NOTED.

LEGEND

- INTERIOR PARTITION PER PLAN
- EXISTING INTERIOR PARTITION PER PLAN
- CMU WALL PER PLAN
- 1-HOUR FIRE RATED ASSEMBLY
- BALLISTIC ASSEMBLY
- SECURITY ASSEMBLY
- 1-HOUR FIRE RATED, BALLISTIC ASSEMBLY
- 1-HOUR FIRE RATED, SECURITY ASSEMBLY
- FULL HEIGHT ASSEMBLY
- CMU 1-HOUR FIRE RATED ASSEMBLY - CMU 12'-8" WITH GWB WALL ABOVE. REFER TO A5.21/10 (ADD A/01)
- MODIFIED EXISTING INTERIOR PARTITION TO SECURITY PARTITON
- EXISTING TO REMAIN (NO WORK IN THIS AREA)
- SLOPED SLAB

KEYNOTES

01-01	CENTER NEW PARTITION WITH CENTER OF EXISTING WINDOW MULLION. REFER TO DETAIL 11/A5.22
01-02	ALIGN FINISH FACE OF NEW PARTITION WITH FINISH FACE OF EXISTING PARTITION
08-03	DOOR BENEATH STRUCTURE. SEE DOOR SCHEDULE
10-03	SURFACE MOUNTED PAPER TOWEL DISPENSER (PDT2)
10-04	SURFACE MOUNTED SOAP DISPENSER (SOAP1)
11-05	COMMERCIAL 2-DOOR EVIDENCE REFRIGERATOR (E-REF-1)
11-06	COMMERCIAL 2-DOOR EVIDENCE FREEZER (E-REF-2)
11-14	FINGERPRINT POWDER STATION (FPS)
12-06	FOUR TIERED EVIDENCE VIEWING SMART LOCKERS (L3)
12-07	PASS-THRU EVIDENCE LOCKER (L4)
12-10	HIGH DENSITY STATIONARY STORAGE SYSTEM 124 1/4"H X 42"W X 16"D (OS3)
12-16	BIKE STORAGE HANG RAIL (BS1) WITH VERTICAL BIKE STORAGE HOOKS (BS2)
12-57	LONG GUN STORAGE 42"W (OS7)
12-58	HAND GUN STORAGE 42"W (OS10)
12-60	HEAVY DUTY OPEN SHELVING 42"W (OS1)
12-61	HEAVY DUTY OPEN SHELVING 36"W (OS2)
12-66	WIRE CAGING (WC)
12-67	PASS-THRU EVIDENCE LOCKER (L5)
12-68	PASS-THRU EVIDENCE LOCKER (L6)
12-69	PASS-THRU EVIDENCE LOCKER (L7)
12-70	PASS-THRU EVIDENCE LOCKER (L8)
12-71	PASS-THRU EVIDENCE LOCKER (L9)
12-72	HIGH DENSITY MOBILE STORAGE SYSTEM 124 1/4"H X 42"W X 32"D (OS4)
12-73	HIGH DENSITY STATIONARY STORAGE SYSTEM 124 1/4"H X 42"W X 32"D (OS5)
12-74	HIGH DENSITY MOBILE BULK STORAGE SYSTEM 124 1/4"H X 42"W X 32"D (OS6)
12-75	LONG GUN STORAGE 36"W (OS8)
12-76	LONG GUN STORAGE 48"W (OS9)
12-77	HAND GUN STORAGE 48"W (OS11)
12-79	HEAVY DUTY OPEN SHELVING 8'W X 6'H X 4'D (OS12)
22-10	MOP SINK (REFER TO PLUMBING)
22-14	FOLD DOWN EYE WASH (REFER TO PLUMBING)

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025
B	Plan Check Response 1	04/09/2025

SHEET TITLE:
ENLARGED PLANS

SHEET
A4.12

JOB NO. **2170269.07**

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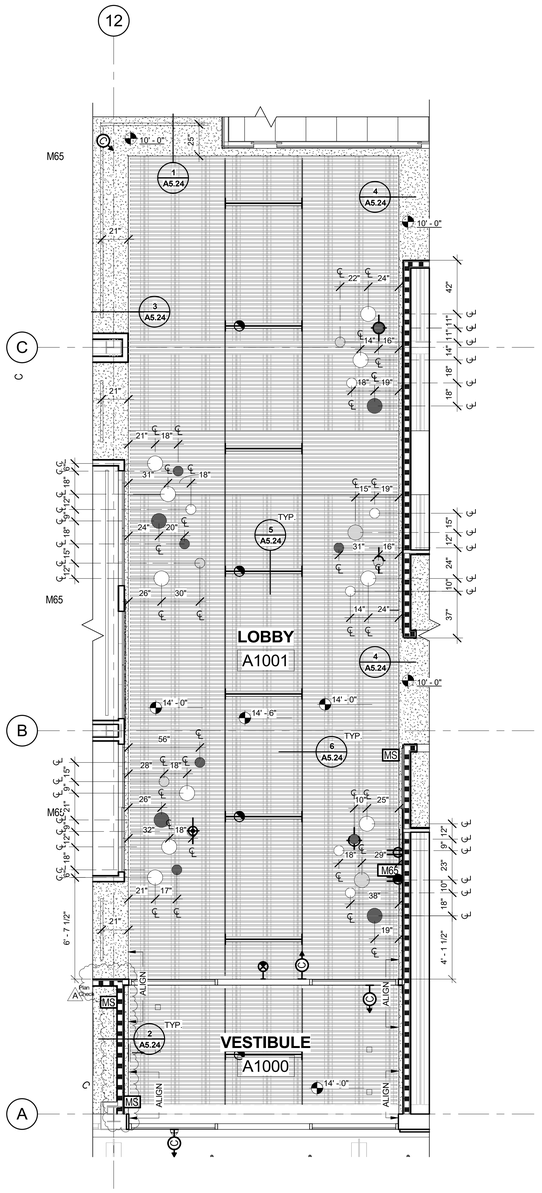
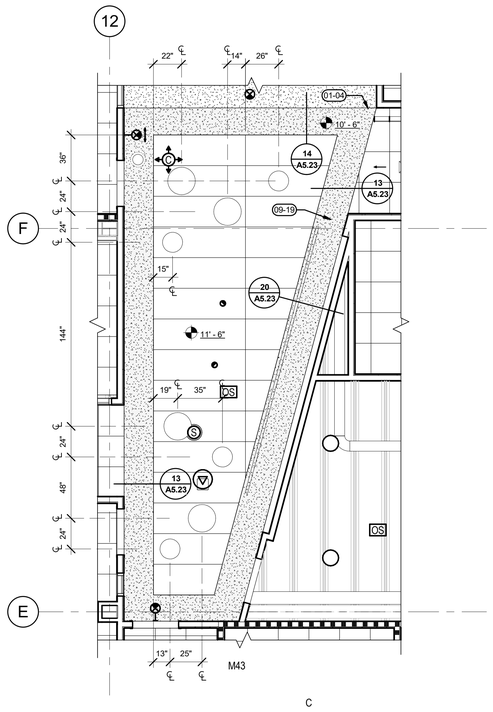
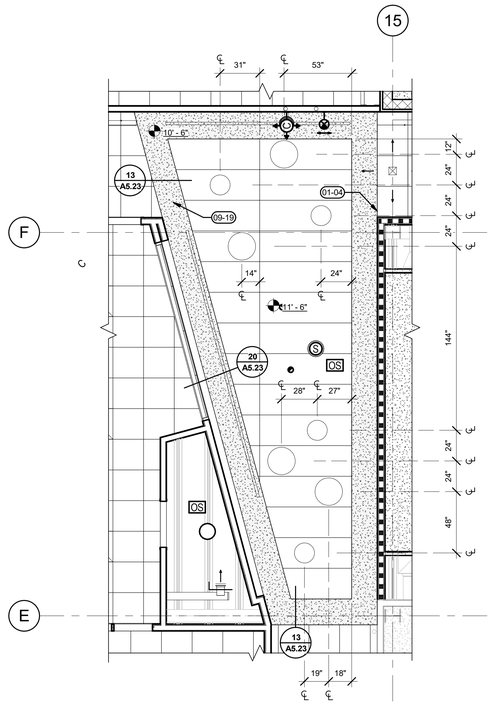


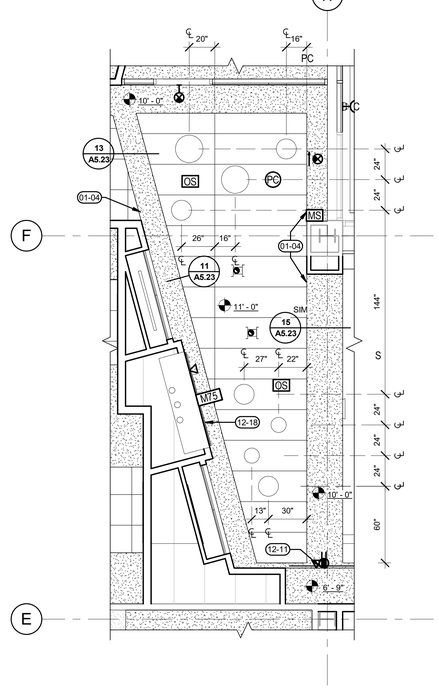
1 A4.13 LOBBY A1001 - ENLARGED CEILING PLAN
1/4" = 1'-0"



2 A4.13 SECURE CORRIDOR A1129 - ENLARGED CEILING PLAN
1/4" = 1'-0"



3 A4.13 SECURE CORRIDOR A1129 - ENLARGED CEILING PLAN
1/4" = 1'-0"



4 A4.13 SECURE CORRIDOR A1129 - ENLARGED CEILING PLAN
1/4" = 1'-0"

GENERAL NOTES

A. REFER TO A1.71 AND A1.72 FOR CEILING TYPES, CEILING HEIGHTS, AND LIGHT FIXTURE TYPES.
B. PENDANT LIGHTING TO BE CENTERED BETWEEN WOOD CEILING SLATS, UNLESS NOTED OTHERWISE.
C. PENDANT LIGHTING TO BE CENTERED ON THE 2'-0" WIDTH SEGMENT OF 2'X6' ACOUSTIC CEILING TILES, UNLESS NOTED OTHERWISE.

LEGEND

- GWB ON METAL STUD FRAMING AT 16" OFF CENTER (GWB1)
- GWB SOFFIT WITH ACCENT PAINT LOCATION (GWB1)
- OPEN TO STRUCTURE (EXPOSED)
- 2'X2' SUSPENDED CEILING GRID WITH ACOUSTIC CEILING TILE (SAT1)
- 2'X6' SUSPENDED CEILING GRID WITH ACOUSTIC CEILING TILE (SAT2)
- 2'X2' SUSPENDED CEILING GRID WITH ACOUSTIC FELT CEILING TILE (AFT)
- WOOD GRILLE

KEYNOTES

01-04	ALIGN CEILING SOFFIT WITH FINISH FACE OF ADJACENT PARTITION
09-19	ACCENT PAINT (P3) ON SOFFIT FACES
12-11	65" WALL MOUNTED TV, PROVIDE WALL BRACKET AND BACKING IN WALL
12-18	85" WALL MOUNTED TV, PROVIDE WALL BRACKET AND BACKING IN WALL

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ENLARGED CEILING PLANS - LIGHTING

SHEET
A4.13

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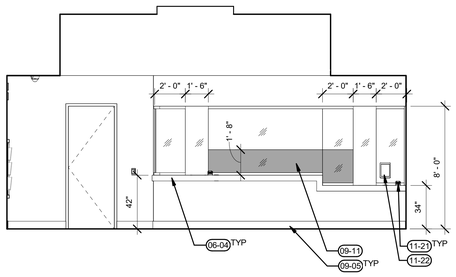
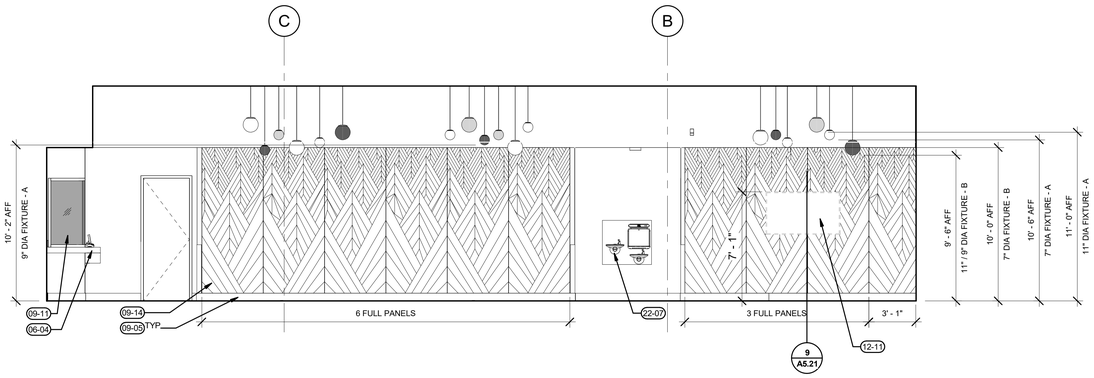
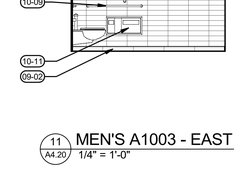


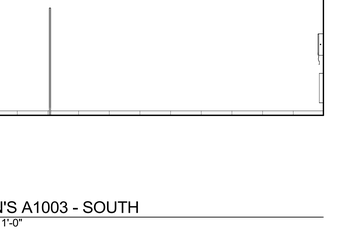
1 A4.20 LOBBY A1001 - EAST
1/4" = 1'-0"



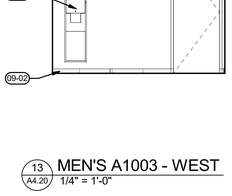
2 A4.20 LOBBY A1001 - SOUTH
1/4" = 1'-0"



3 A4.20 VESTIBULE A1000 - NORTH
1/4" = 1'-0"



4 A4.20 VESTIBULE A1000 - EAST
1/4" = 1'-0"



5 A4.20 VESTIBULE A1000 - SOUTH
1/4" = 1'-0"

6 A4.20 LOBBY A1001 - NORTH
1/4" = 1'-0"

7 A4.20 WOMEN'S A1002 - EAST
1/4" = 1'-0"

8 A4.20 WOMEN'S A1002 - SOUTH
1/4" = 1'-0"

9 A4.20 WOMEN'S A1002 - WEST
1/4" = 1'-0"

10 A4.20 WOMEN'S A1002 - NORTH
1/4" = 1'-0"

11 A4.20 MEN'S A1003 - EAST
1/4" = 1'-0"

12 A4.20 MEN'S A1003 - SOUTH
1/4" = 1'-0"

13 A4.20 MEN'S A1003 - WEST
1/4" = 1'-0"

14 A4.20 MEN'S A1003 - NORTH
1/4" = 1'-0"

GENERAL NOTES

A. CASEWORK / COUNTERTOP INSTALLER TO VERIFY GROMMET LOCATIONS WITH OWNER PRIOR TO INSTALLATION FOR ALL OFCI OR OFOI COUNTER MOUNTED EQUIPMENT.
B. ALL WOOD GRAIN PLASTIC LAMINATE TO BE ORIENTED VERTICALLY, UNLESS NOTED OTHERWISE.

KEYNOTES

06-04	QUARTZ COUNTERTOP (QTZ1)
06-05	PLASTIC LAMINATE SINK APRON (PL1)
06-25	CABINET LOCK
09-01	WALL TILE (T4) ALIGN TILE WITH FLOOR TILES WHERE OCCURS
09-02	TILE WALL BASE (T2) ALIGN TILE WITH FLOOR TILE WHERE OCCURS
09-05	WOOD BASE (WD2)
09-09	WOOD WALL PANELS (WD1)
09-10	BUILT-IN DISPLAY CASE BEHIND LOCKING GLASS PANELS
09-11	FROSTED WINDOW PRIVACY FILM (WF1) - LOCATE AT INTERIOR SIDE
09-14	ACOUSTICAL WALL PANELS (AP1)
09-22	WINDOW FILM GRAPHIC (WF2), GRAPHIC TO BE VERIFIED PRIOR TO FABRICATION
09-25	BUILT-IN PAMPHLET DISPLAY
09-30	CENTER TILE BETWEEN WALLS
10-02	SEMI RECESSED PAPER TOWEL DISPENSER AND WASTE RECEPTACLE (PDT1)
10-09	ACCESSIBLE GRAB BAR - 42" (GB2)
10-11	RECESSED COMBINATION TOILET SEAT COVER, TOILET PAPER DISPENSER AND SANITARY NAPKIN DISPOSAL (CSD1)
10-14	ACCESSIBLE VERTICAL GRAB BAR - 18" (GB3)
10-17	ANNEALED WALL MIRROR, PROVIDE BACKING IN WALL (MR1)
10-18	REFER TO DETAIL 03/A7.14 FOR SIGNAGE
10-21	SEMI RECESSED SANITARY NAPKIN VENDOR (SNR1)
10-22	DEDICATION PLAQUE. REFER TO DETAIL 07/A7.14 FOR SIGNAGE
10-36	EMERGENCY LOCKDOWN AND PHONE SIGNAGE. REFER TO DETAIL 05/A7.14 FOR SIGNAGE
11-12	911 PHONE (REFER TO ELECTRICAL)
11-15	PRESCRIPTION DROP-OFF BOX (OFOI)
11-21	CREDIT CARD READER. COORDINATE POWER CORDS THROUGH WALL BELOW. PROVIDE GROMMETS FOR ACCESS TO POWER ON SECURE SIDE OF RECEPTION DESK (OFCI) (COORDINATE WITH ELECTRICAL)
11-22	IPAD WITH MOUNTING ARMATURE. COORDINATE POWER CORDS THROUGH WALL BELOW. PROVIDE GROMMETS FOR ACCESS TO POWER ON SECURE SIDE OF RECEPTION DESK (OFCI) (COORDINATE WITH ELECTRICAL)
11-23	EMERGENCY LOCK DOWN BUTTON (REFER TO ELECTRICAL)
12-11	65" WALL MOUNTED TV, PROVIDE WALL BRACKET AND BACKING IN WALL
22-07	TWO LEVEL DRINKING FOUNTAIN WITH BOTTLE FILLING STATION (REFER TO PLUMBING)

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Project
City of Puyallup

Puyallup Public Safety Building
1015 39th Avenue SE, Puyallup, WA, 98374

11049 REGISTERED ARCHITECT
Brett Lee Harrison
STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
INTERIOR ELEVATIONS

SHEET
A4.20

JOB NO. 2170269.07

Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/26907-PPSB Benaroya-V23-A.rvt 4/8/2025 3:03:43 PM 1/4" = 1'-0"

City of Puyallup
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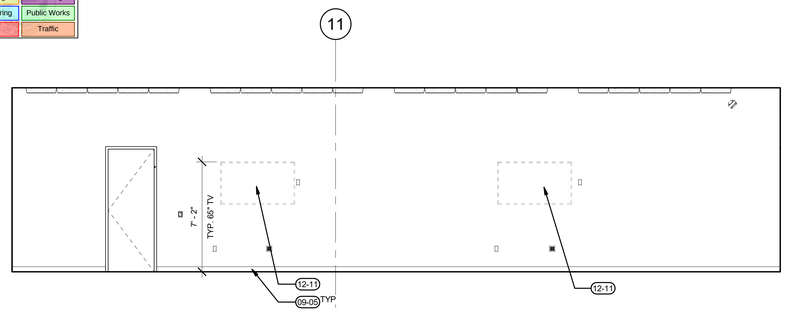
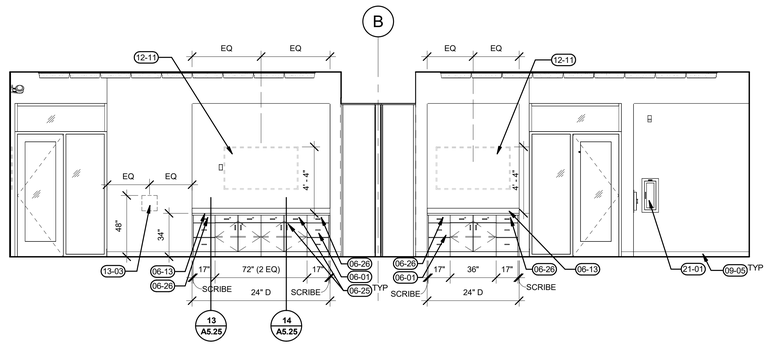


1 A4.21 COMMUNITY ROOM A1004 - EAST
1/4" = 1'-0"



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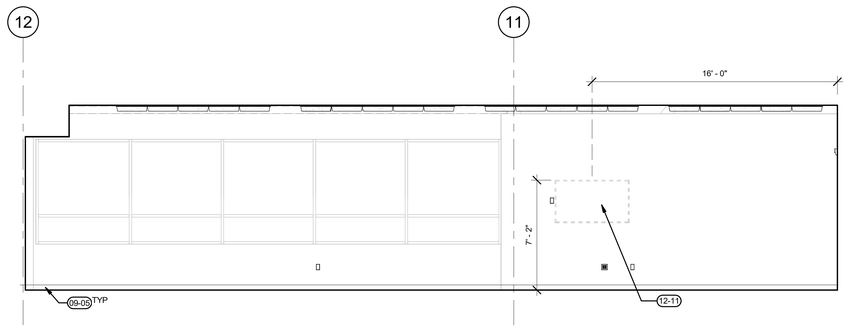
1/4" = 1'-0"



3 A4.21 COMMUNITY ROOM A1004 - WEST
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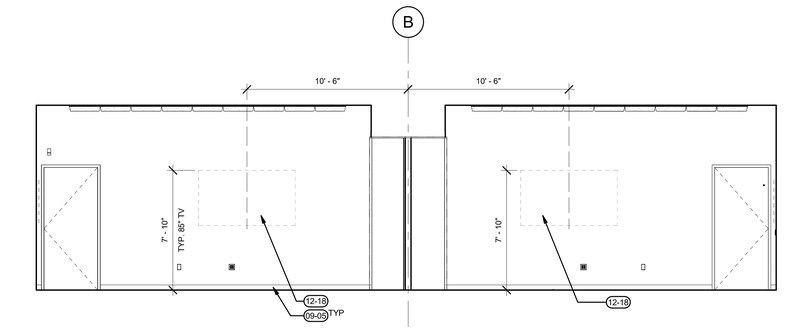

4 A4.21 COMMUNITY ROOM A1004 - NORTH
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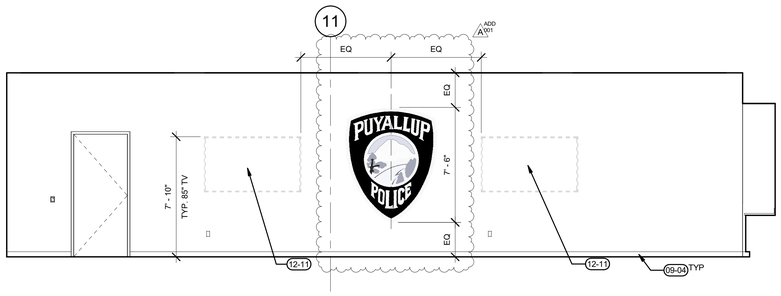

5 A4.21 TRAINING ROOM A1007 - EAST
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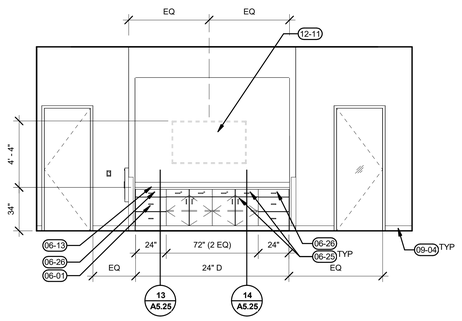

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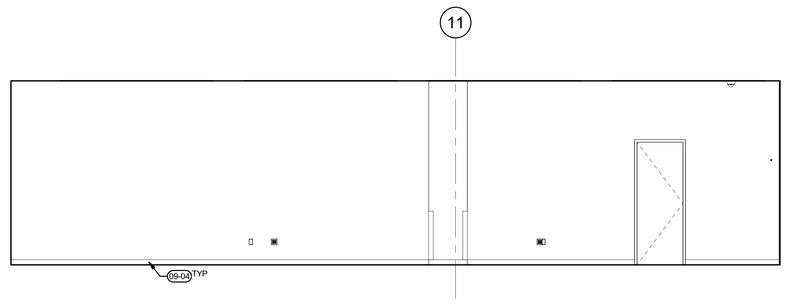

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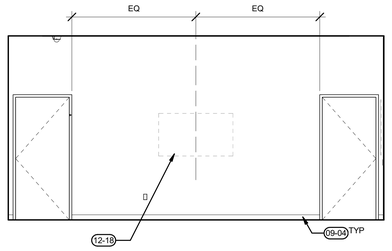

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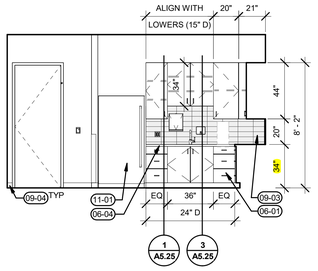

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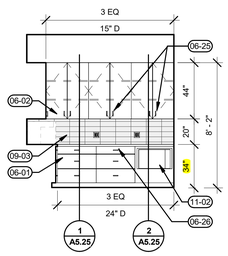

10 A4.21 COFFEE | PREP A1008 - EAST
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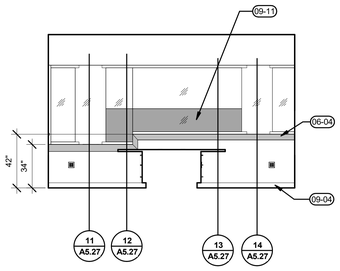

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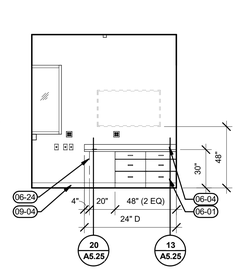

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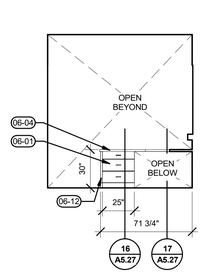

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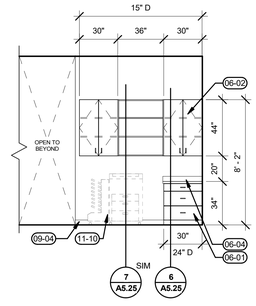
1/4" = 1'-0"



14 A4.21 RECORDS A1010 - SOUTH
1/4" = 1'-0"

GENERAL NOTES

A. CASEWORK / COUNTERTOP INSTALLER TO VERIFY GROMMET LOCATIONS WITH OWNER PRIOR TO INSTALLATION FOR ALL OFCI OR OFOI COUNTER MOUNTED EQUIPMENT.
B. ALL WOOD GRAIN PLASTIC LAMINATE TO BE ORIENTED VERTICALLY, UNLESS NOTED OTHERWISE.

KEYNOTES

06-01	PLASTIC LAMINATE BASE CABINETS (PL1)
06-02	PLASTIC LAMINATE UPPER CABINETS (PL1)
06-04	QUARTZ COUNTERTOP (QTZ1)
06-12	PLASTIC LAMINATE SIDE PANEL (PL1)
06-13	QUARTZ COUNTERTOP (QTZ2)
06-24	COUNTERTOP SUPPORT BRACKET
06-25	CABINET LOCK
06-26	CABINET LOCK (SINGLE LOCK TO LOCK ENTIRE BANK OF DRAWERS)
09-03	WALL TILE (T3)
09-04	RUBBER BASE (RB1)
09-05	WOOD BASE (WD2)
09-11	FROSTED WINDOW PRIVACY FILM (WF1) - LOCATE AT INTERIOR SIDE
11-01	REFRIGERATOR (REF-2)
11-02	MICROWAVE (MW-1)
11-10	PRINTER | COPIER (OFOI)
12-11	65" WALL MOUNTED TV, PROVIDE WALL BRACKET AND BACKING IN WALL
12-18	85" WALL MOUNTED TV, PROVIDE WALL BRACKET AND BACKING IN WALL
13-03	LEAVE 12"X12" OPENING IN DRYWALL FOR DROP LOCATION OF TIME CAPSULE ITEMS. COORDINATE WITH CLIENT FOR INSTALL. SEAL TO MATCH ADJACENT FINISHES.
21-01	RECESSED FIRE EXTINGUISHER CABINET

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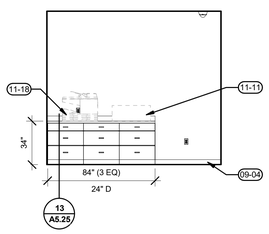

1 A4.22 FINGER PRINTING A1011 - SOUTH
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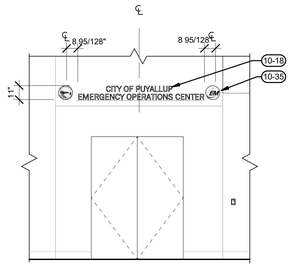
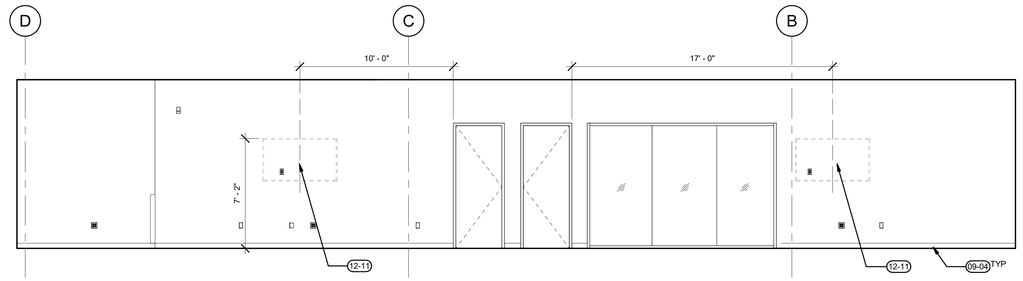


2 A4.22 EOC ENTRY B1000 - SOUTH
1/4" = 1'-0"



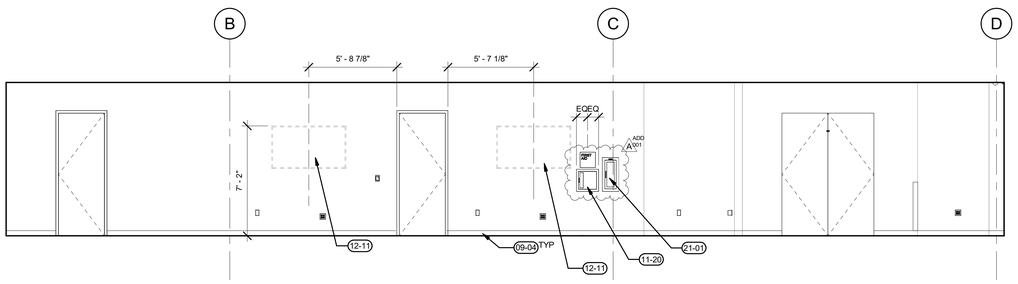
3 A4.22 EOC B1004 - SOUTH
1/4" = 1'-0"

GENERAL NOTES

A. CASEWORK / COUNTERTOP INSTALLER TO VERIFY GROMMET LOCATIONS WITH OWNER PRIOR TO INSTALLATION FOR ALL OFCI OR OFOI COUNTER MOUNTED EQUIPMENT.
B. ALL WOOD GRAIN PLASTIC LAMINATE TO BE ORIENTED VERTICALLY, UNLESS NOTED OTHERWISE.

KEYNOTES

06-01	PLASTIC LAMINATE BASE CABINETS (PL1)
06-04	QUARTZ COUNTERTOP (QTZ1)
06-07	PLASTIC LAMINATE FULL HEIGHT CABINETS (PL1)
06-25	CABINET LOCK
09-04	RUBBER BASE (RB1)
09-22	WINDOW FILM GRAPHIC (WF2), GRAPHIC TO BE VERIFIED PRIOR TO FABRICATION
09-23	GUN RAIL (QTZ3)
09-24	WALL PROTECTION (WP2) TO 30" AFF
10-18	REFER TO DETAIL 03/A7.14 FOR SIGNAGE
10-35	GLASS ETCHED LOGO. REFER TO DETAIL 04/A7.14 FOR SIGNAGE
11-11	FINGERPRINT MACHINE (RELOCATED OFCI)
11-18	DESKTOP PRINTER (RELOCATED OFCI)
11-20	AUTOMATED EXTERNAL DEFIBRILLATOR (AED) WITH FIRST AID CABINET ABOVE
12-11	65" WALL MOUNTED TV, PROVIDE WALL BRACKET AND BACKING IN WALL
12-12	CUSTOM SIZED FRAMELESS GLASS MARKERBOARDS (DB2, DB3), MOUNT BOTTOM AT 24" AFF. PROVIDE BACKING IN WALL
12-18	85" WALL MOUNTED TV, PROVIDE WALL BRACKET AND BACKING IN WALL
12-28	48" X 96" FRAMELESS GLASS MARKERBOARD (DB1), MOUNT BOTTOM AT 30" AFF. PROVIDE BACKING IN WALL
21-01	RECESSED FIRE EXTINGUISHER CABINET



4 A4.22 EOC B1004 - NORTH
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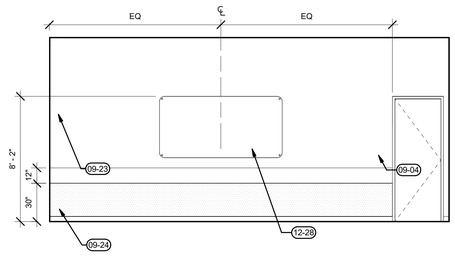

5 A4.22 PROFESSIONAL SERVICES A1022 - NORTH
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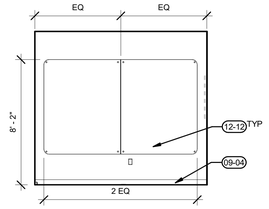

6 A4.22 CONFERENCE A1023 - WEST
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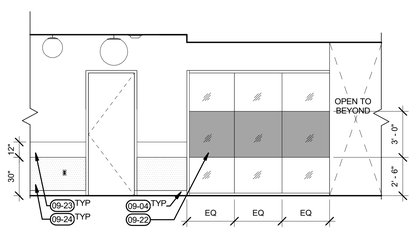

7 A4.22 PATROL A1037 INTO BRIEFING A1038 - NORTH
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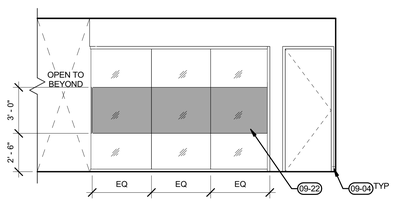

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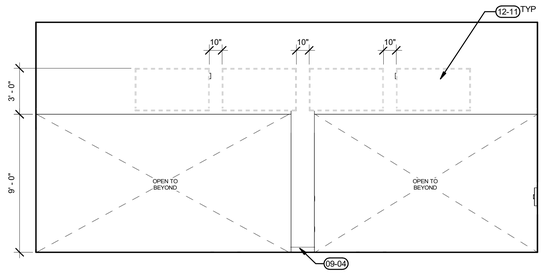
1/4" = 1'-0"



9 A4.22 PATROL MONITOR SOFFIT WALL A1037
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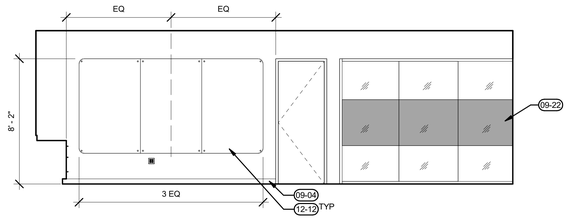

10 A4.22 K9 DAKOTA BRIEFING A1038 - EAST
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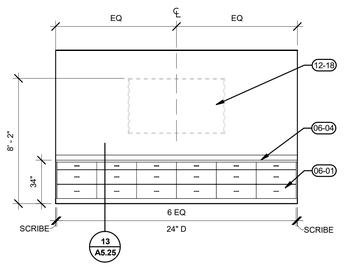

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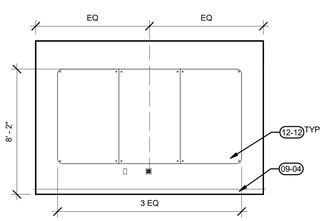

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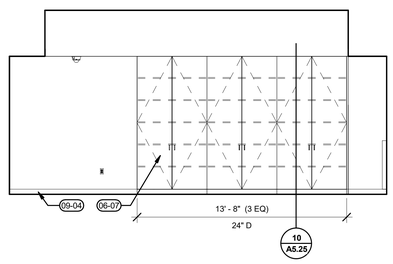

13 A4.22 CENTRAL MAIL | PRINT A1063 - EAST
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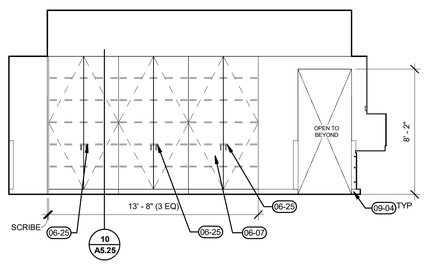

14 A4.22 CENTRAL MAIL | PRINT A1063 - WEST
1/4" = 1'-0"

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Autodesk Docs://PPSB Benaroya/26907-PPSB Benaroya-V23-A.rvt 4/8/2025 3:04:02 PM 1/4" = 1'-0"

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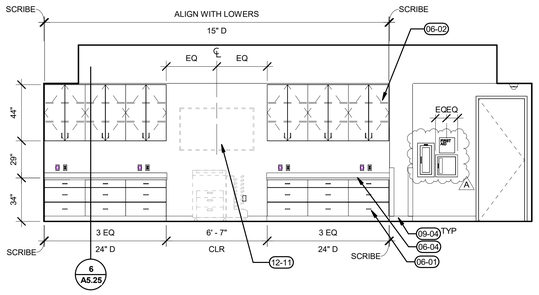
Engineering	Public Works
Fire	Traffic



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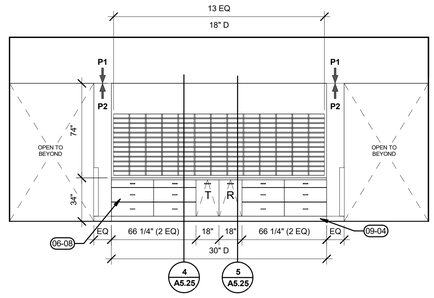
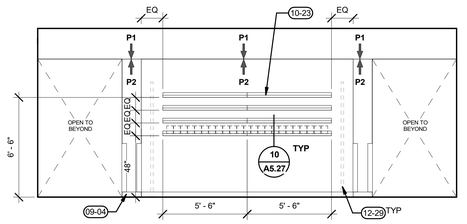


2 A4.23 CENTRAL MAIL | PRINT PARTITION A1063 - SOUTH
1/4" = 1'-0"



3 A4.23 CENTRAL MAIL | PRINT PARTITION A1063 - NORTH
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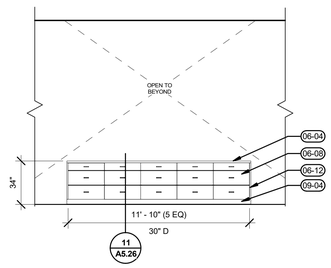

4 A4.23 CENTRAL MAIL | PRINT ISLAND A1063 - SOUTH
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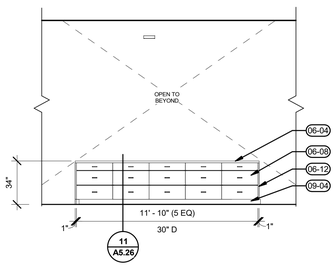
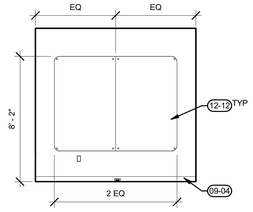
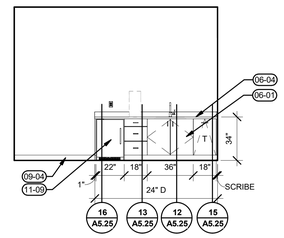


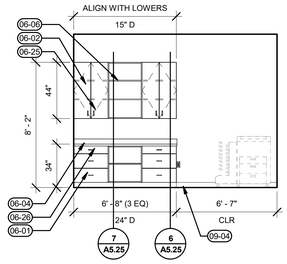
5 A4.23 CENTRAL MAIL | PRINT ISLAND A1063 - NORTH
1/4" = 1'-0"



6 A4.23 CONFERENCE A1073 - NORTH
1/4" = 1'-0"



7 A4.23 COPY | PRINT | SUPPLIES A1070 - EAST
1/4" = 1'-0"



8 A4.23 COPY | PRINT | SUPPLIES A1070 - WEST
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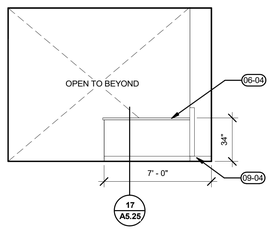
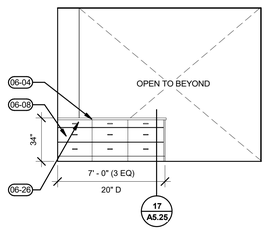


9 A4.23 COPY I PRINT SUPPLIES ISLAND A1070 - WEST
1/4" = 1'-0"



10 A4.23 COPY I PRINT SUPPLIES ISLAND A1070 - EAST
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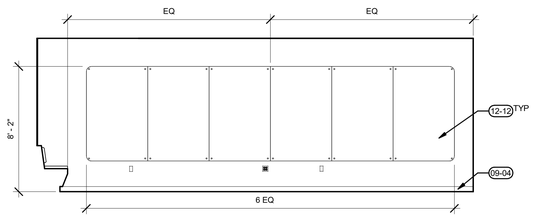
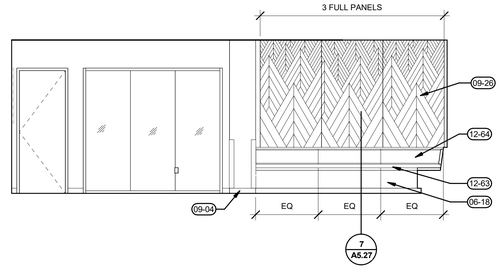
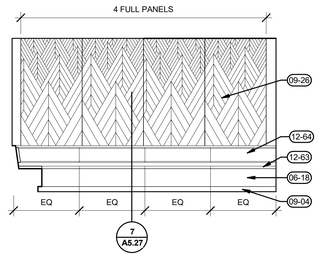


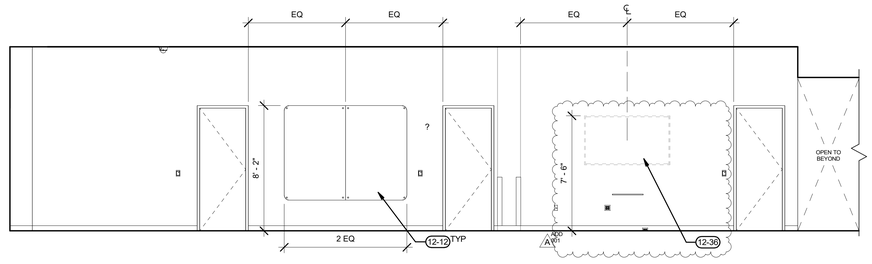
11 A4.23 CHIEF FRANK CHADWICK CONFERENCE A1072 - EAST
1/4" = 1'-0"



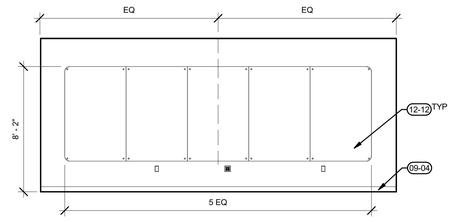
12 A4.23 CHIEF FRANK CHADWICK CONFERENCE A1072 - WEST
1/4" = 1'-0"



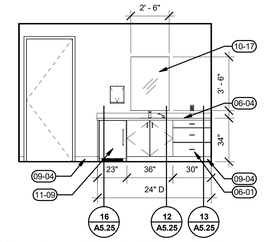
13 A4.23 CHIEF FRANK CHADWICK CONFERENCE A1072 - NORTH
1/4" = 1'-0"



14 A4.23 CRIMINAL INVESTIGATIONS DIVISION A1075 - EAST
1/4" = 1'-0"



15 A4.23 CONFERENCE A1077 - EAST
1/4" = 1'-0"



16 A4.23 WELLNESS A1092 - NORTH
1/4" = 1'-0"

GENERAL NOTES

A. CASEWORK / COUNTERTOP INSTALLER TO VERIFY GROMMET LOCATIONS WITH OWNER PRIOR TO INSTALLATION FOR ALL OFCI OR OFOI COUNTER MOUNTED EQUIPMENT.
B. ALL WOOD GRAIN PLASTIC LAMINATE TO BE ORIENTED VERTICALLY, UNLESS NOTED OTHERWISE.

KEYNOTES

06-01	PLASTIC LAMINATE BASE CABINETS (PL1)
06-02	PLASTIC LAMINATE UPPER CABINETS (PL1)
06-04	QUARTZ COUNTERTOP (QTZ1)
06-06	PLASTIC LAMINATE ADJUSTABLE SHELVES (PL1)
06-08	PLASTIC LAMINATE BASE CABINETS (PL2)
06-12	PLASTIC LAMINATE SIDE PANEL (PL1)
ADD A01 06-18	UPHOLSTERED BUILT-IN BENCH WITH BACK SUPPORT. BENCH FINISH TO BE PL1
06-25	CABINET LOCK
06-26	CABINET LOCK (SINGLE LOCK TO LOCK ENTIRE BANK OF DRAWERS)
09-04	RUBBER BASE (RB1)
09-26	ACOUSTICAL WALL PANELS (AP2)
10-17	ANNEALED WALL MIRROR. PROVIDE BACKING IN WALL (MR1)
10-23	DEPARTMENT PHOTO WALL. PROVIDE (8) 5'-6" LONG WALNUT PICTURE RAILS, STAIN TO MATCH WD1
11-09	ADA COMPLIANT UNDER COUNTER REFRIGERATOR (REF-3)
12-11	65" WALL MOUNTED TV, PROVIDE WALL BRACKET AND BACKING IN WALL
12-12	CUSTOM SIZED FRAMELESS GLASS MARKERBOARDS (DB2, DB3), MOUNT BOTTOM AT 24" AFF. PROVIDE BACKING IN WALL
12-29	FLAG STANCHION (RELOCATED OFCI)
12-36	75" WALL MOUNTED TV, PROVIDE WALL BRACKET AND BACKING IN WALL
12-63	BENCH SEAT CUSHION (UPH3)
12-64	BENCH BACK CUSHION (UPH4)

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Client

City of Puyallup

Project

Puyallup Public Safety Building
1015 39th Avenue SE,
Puyallup, WA, 98374

11049 REGISTERED ARCHITECT
Brett Lee Harrison
STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
INTERIOR ELEVATIONS

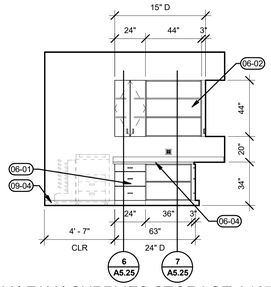
SHEET
A4.23

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



1 A4.24 COPY | FAX | SUPPLIES STORAGE A1078 - EAST
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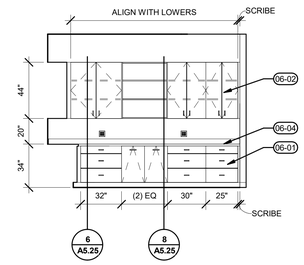
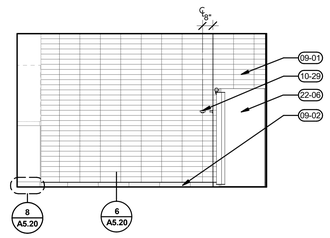
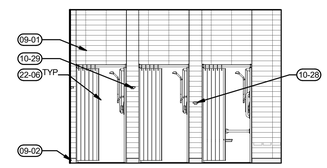


2 A4.24 COPY | FAX | SUPPLIES STORAGE A1078 - SOUTH
1/4" = 1'-0"

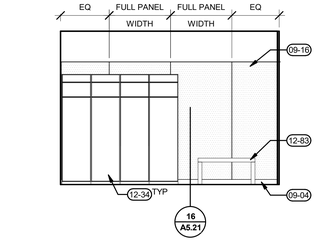


3 A4.24 MEN'S RESTROOM A1096 - SHOWERS - SOUTH
1/4" = 1'-0"

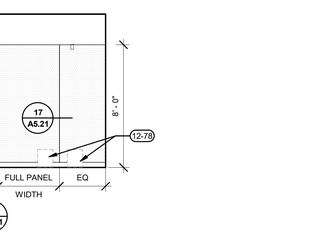


4 A4.24 MEN'S RESTROOM A1096 - SHOWERS - WEST
1/4" = 1'-0"

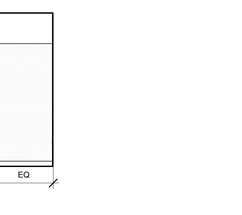
5 A4.24 WOMEN'S RESTROOM A1094 - SHOWERS - WEST
1/4" = 1'-0"



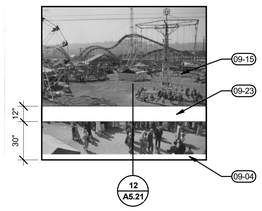
6 A4.24 WOMEN'S RESTROOM A1094 - SHOWERS - NORTH
1/4" = 1'-0"



7 A4.24 WOMEN'S RESTROOM A1094 - SHOWERS - SOUTH
1/4" = 1'-0"



8 A4.24 OFFICER ENTRY A1098 - NORTH
1/4" = 1'-0"



9 A4.24 OFFICER ENTRY A1098 -EAST
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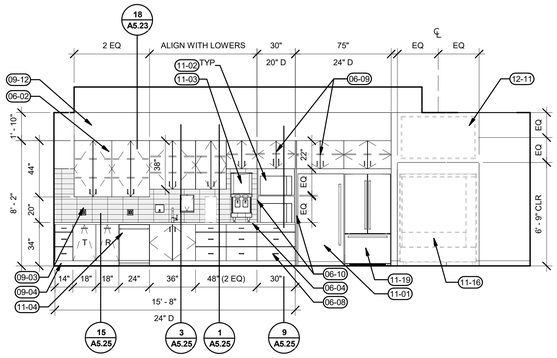
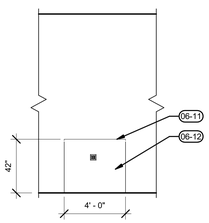
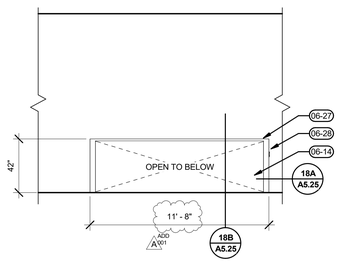


10 A4.24 BREAK ROOM A1099 - WEST
1/4" = 1'-0"



11 A4.24 BREAK ROOM ISLAND A1099 - NORTH | SOUTH
1/4" = 1'-0"



12 A4.24 BREAK ROOM ISLAND A1099 - EAST | WEST
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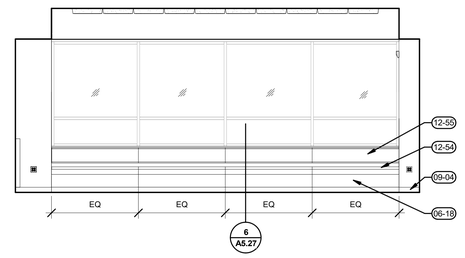

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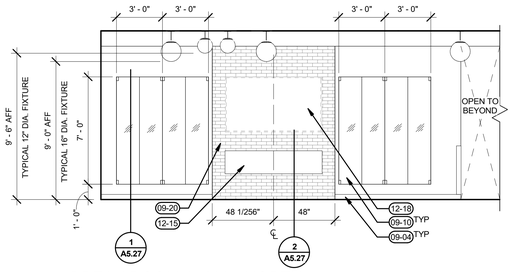
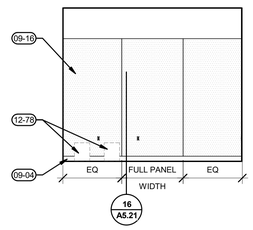


14 A4.24 BREAK ROOM A1099 - NORTH
1/4" = 1'-0"

15 A4.24 TRAFFIC DRYING ROOM A1111- EAST
1/4" = 1'-0"

16 A4.24 TRAFFIC DRYING ROOM A1111 - SOUTH
1/4" = 1'-0"



17 A4.24 TRAFFIC DRYING ROOM A1111 - WEST
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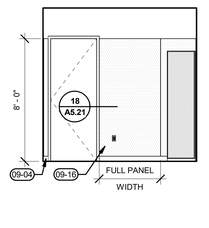

18 A4.24 TRAFFIC DRYING ROOM A1111 - NORTH
1/4" = 1'-0"

GENERAL NOTES

A. CASEWORK / COUNTERTOP INSTALLER TO VERIFY GROMMET LOCATIONS WITH OWNER PRIOR TO INSTALLATION FOR ALL OFCI OR OFOI COUNTER MOUNTED EQUIPMENT.
B. ALL WOOD GRAIN PLASTIC LAMINATE TO BE ORIENTED VERTICALLY, UNLESS NOTED OTHERWISE.

KEYNOTES

06-01	PLASTIC LAMINATE BASE CABINETS (PL1)
06-02	PLASTIC LAMINATE UPPER CABINETS (PL1)
06-04	QUARTZ COUNTERTOP (QTZ1)
06-08	PLASTIC LAMINATE BASE CABINETS (PL2)
06-09	PLASTIC LAMINATE UPPER CABINETS (PL2)
06-10	PLASTIC LAMINATE SIDE PANEL (PL2)
06-11	PLASTIC LAMINATE COUNTERTOP (PL1)
06-12	PLASTIC LAMINATE SIDE PANEL (PL1)
06-14	PLASTIC LAMINATE BACK PANEL. LAMINATE TO MATCH ADJACENT FINISH AND GRAIN DIRECTION.
ADD A001 06-18	UPHOLSTERED BUILT-IN BENCH WITH BACK SUPPORT. BENCH FINISH TO BE PL1
06-27	PLASTIC LAMINATE COUNTERTOP (PL3). LAMINATE TO MATCH ADJACENT FINISH AND GRAIN DIRECTION.
06-28	PLASTIC LAMINATE SIDE PANEL (PL3)
09-01	WALL TILE (T4) ALIGN TILE WITH FLOOR TILES WHERE OCCURS
09-02	TILE WALL BASE (T2) ALIGN TILE WITH FLOOR TILE WHERE OCCURS
09-03	WALL TILE (T3)
09-04	RUBBER BASE (RB1)
09-10	BUILT-IN DISPLAY CASE BEHIND LOCKING GLASS PANELS
09-12	ACCENT PAINT (P2) ON SOFFIT UNDERSIDE FACE
09-15	WALL GRAPHIC (WC1), GRAPHIC TO BE VERIFIED PRIOR TO FABRICATION
09-16	WALL PROTECTION (WP1) TO 96" AFF
09-20	STONE FIREPLACE SURROUND (ST)
09-23	GUN RAIL (QTZ3)
10-10	FOLDING SHOWER SEAT (FSS1)
10-16	ACCESSIBLE SHOWER GRAB BAR (GB4)
10-28	TOWEL HOOK (MOUNT AT 48" AFF) (TH1)
10-29	TOWEL HOOK (MOUNT AT 60" AFF) (TH1)
11-01	REFRIGERATOR (REF-2)
11-02	MICROWAVE (MW-1)
11-03	COUNTERTOP ICE AND WATER DISPENSER (IM-1)
11-04	DISHWASHER (DW-1) ,REFER TO PLUMBING
11-16	AVANTI VENDING MACHINE (OFOI)
11-19	REFRIGERATOR (FREEZER (REF-1)
12-11	65" WALL MOUNTED TV, PROVIDE WALL BRACKET AND BACKING IN WALL
12-15	RECESSED ELECTRIC FIREPLACE
12-17	THREE TIERED METAL LOCKERS
12-18	85" WALL MOUNTED TV, PROVIDE WALL BRACKET AND BACKING IN WALL
12-21	WOOD TOP BENCH
12-34	METAL TURNOUT GEAR LOCKER (L2)
12-54	BENCH SEAT CUSHION (UPH1)
12-55	BENCH BACK CUSHION (UPH2)
12-78	BOOT DRYER (OFOI)
12-83	STAINLESS STEEL BENCH (B1)
22-06	SHOWER (REFER TO PLUMBING)

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Client

City of Puyallup

Project

Puyallup Public Safety Building
1015 39th Avenue SE, Puyallup, WA, 98374

11049 REGISTERED ARCHITECT
Brett Lee Hanson
STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

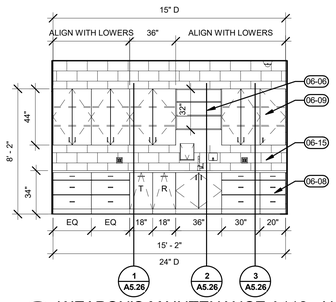
SHEET TITLE:
INTERIOR ELEVATIONS

SHEET
A4.24

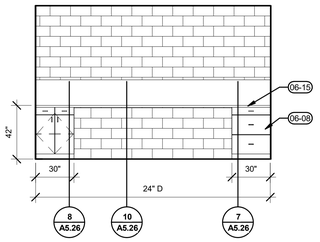
JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/26907-PPSB Benaroya-V23-A.rvt 4/8/2025 3:04:22 PM 1/4" = 1'-0"

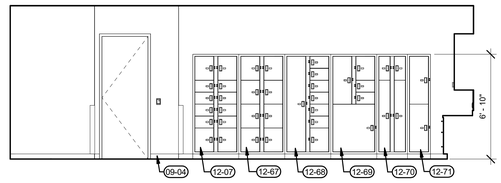
City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic



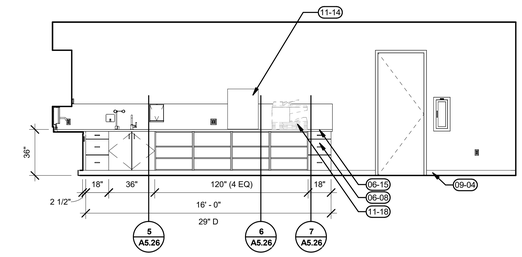
1 A4.25 WEAPON'S MAINTENANCE A112 - NORTH
1/4" = 1'-0"



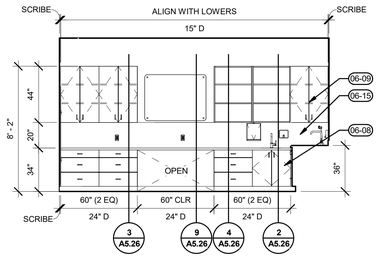
2 A4.25 WEAPON'S MAINTENANCE A1112 - SOUTH
1/4" = 1'-0"



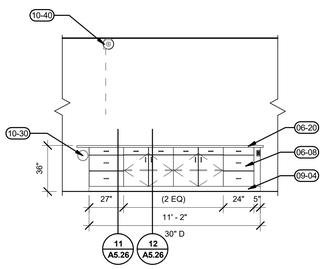
3 A4.25 PROPERTY EVIDENCE INTAKE A1116 - EAST
1/4" = 1'-0"



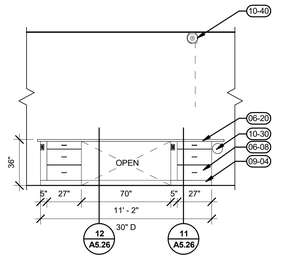
4 A4.25 PROPERTY EVIDENCE INTAKE A1116 - WEST
1/4" = 1'-0"



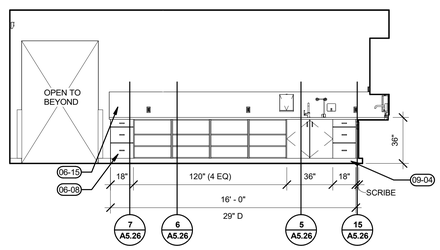
5 A4.25 PROPERTY EVIDENCE INTAKE A1116 - SOUTH
1/4" = 1'-0"



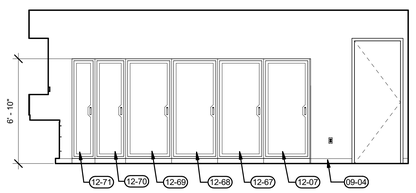
6 A4.25 PROPERTY EVIDENCE INTAKE ISLAND A1116 - EAST
1/4" = 1'-0"



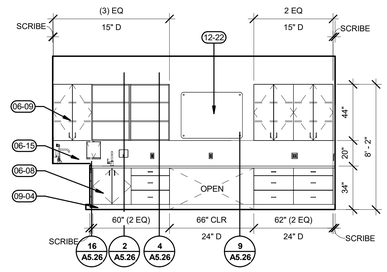
7 A4.25 PROPERTY EVIDENCE INTAKE ISLAND A1116 - WEST
1/4" = 1'-0"



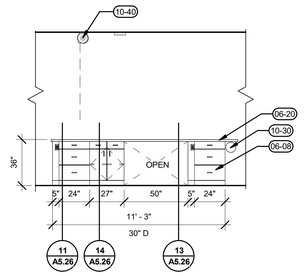
8 A4.25 EVIDENCE LABORATORY A1117 - EAST
1/4" = 1'-0"



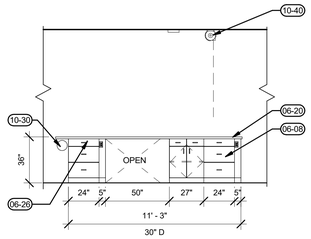
9 A4.25 EVIDENCE LABORATORY A1117 - WEST
1/4" = 1'-0"



10 A4.25 EVIDENCE LABORATORY A1117 - SOUTH
1/4" = 1'-0"



11 A4.25 EVIDENCE LABORATORY ISLAND A1117 - EAST
1/4" = 1'-0"



12 A4.25 EVIDENCE LABORATORY ISLAND A1117 - WEST
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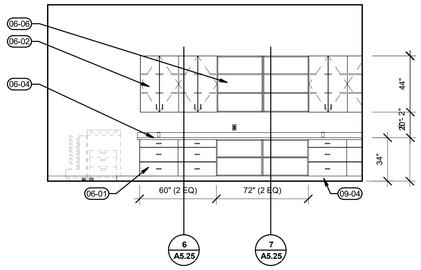
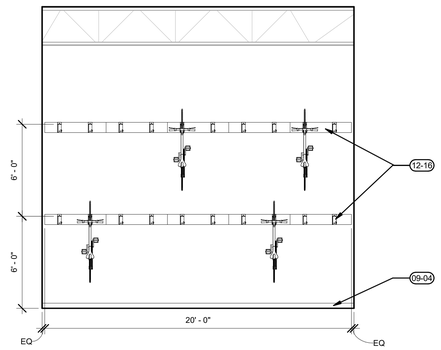


13 A4.25 EVIDENCE MAIN STORAGE A1121 - COPY | PRINT - WEST
1/4" = 1'-0"



14 A4.25 BICYCLE STORAGE (IMPOUND) A1122 - SOUTH
1/4" = 1'-0"

GENERAL NOTES

A. CASEWORK / COUNTERTOP INSTALLER TO VERIFY GROMMET LOCATIONS WITH OWNER PRIOR TO INSTALLATION FOR ALL OFCI OR OFOI COUNTER MOUNTED EQUIPMENT.
B. ALL WOOD GRAIN PLASTIC LAMINATE TO BE ORIENTED VERTICALLY, UNLESS NOTED OTHERWISE.

KEYNOTES

06-01	PLASTIC LAMINATE BASE CABINETS (PL1)
06-02	PLASTIC LAMINATE UPPER CABINETS (PL1)
06-04	QUARTZ COUNTERTOP (QTZ1)
06-06	PLASTIC LAMINATE ADJUSTABLE SHELVES (PL1)
06-08	PLASTIC LAMINATE BASE CABINETS (PL2)
06-09	PLASTIC LAMINATE UPPER CABINETS (PL2)
06-15	STAINLESS STEEL COUNTERTOP (SS) AND BACKSPLASH, EXTEND TO UNDERSIDE OF UPPER CABINETS, U.N.O.
06-20	STAINLESS STEEL COUNTERTOP (SS)
06-26	CABINET LOCK (SINGLE LOCK TO LOCK ENTIRE BANK OF DRAWERS)
09-04	RUBBER BASE (RB1)
10-30	BUTCHER PAPER HOLDER (BPH1)
10-40	CEILING MOUNTED AIR HOSE REEL
11-14	FINGERPRINT POWDER STATION (FPS)
11-18	DESKTOP PRINTER (RELOCATED OFCI)
12-07	PASS-THRU EVIDENCE LOCKER (L4)
12-16	BIKE STORAGE HANG RAIL (BS1) WITH VERTICAL BIKE STORAGE HOOKS (BS2)
12-22	48" X 36" FRAMELESS GLASS MARKERBOARD (DB1), MOUNT BOTTOM AT 50" AFF, PROVIDE BACKING IN WALL
12-67	PASS-THRU EVIDENCE LOCKER (L5)
12-68	PASS-THRU EVIDENCE LOCKER (L6)
12-69	PASS-THRU EVIDENCE LOCKER (L7)
12-70	PASS-THRU EVIDENCE LOCKER (L8)
12-71	PASS-THRU EVIDENCE LOCKER (L9)

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BRETT LI HANSON
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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
INTERIOR ELEVATIONS

SHEET
A4.25

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025
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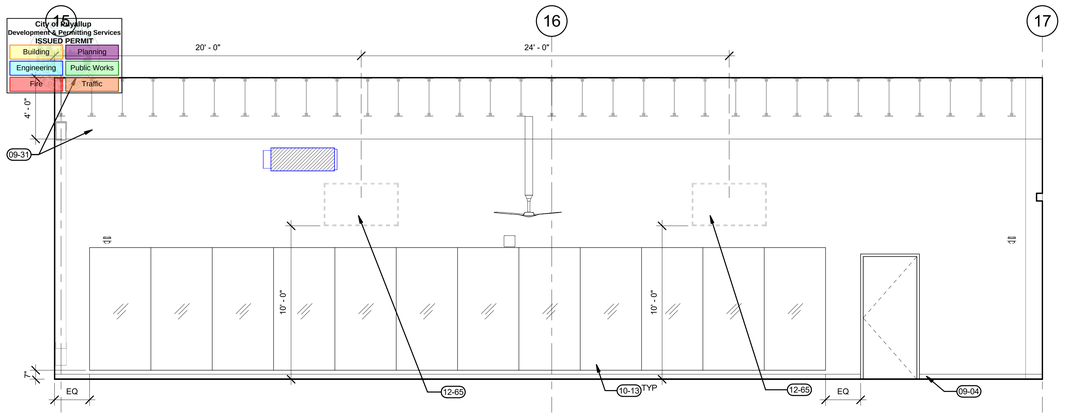

1 A4.26 DT | FITNESS A1114 - EAST
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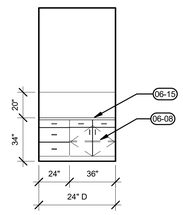


2 A4.26 EVIDENCE VIEWING PICKUP A1125 - EAST
1/4" = 1'-0"

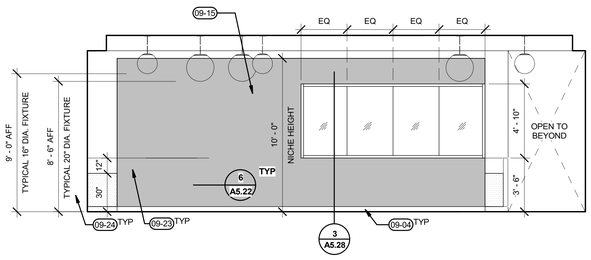
GENERAL NOTES

A. CASEWORK / COUNTERTOP INSTALLER TO VERIFY GROMMET LOCATIONS WITH OWNER PRIOR TO INSTALLATION FOR ALL OFCI OR OFOI COUNTER MOUNTED EQUIPMENT.
B. ALL WOOD GRAIN PLASTIC LAMINATE TO BE ORIENTED VERTICALLY, UNLESS NOTED OTHERWISE.

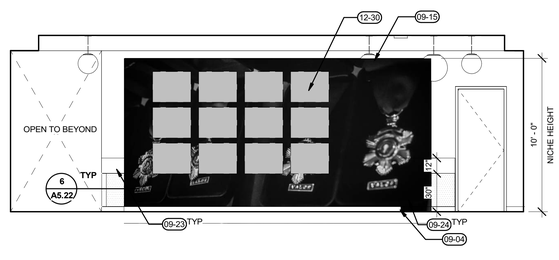
KEYNOTES

06-01	PLASTIC LAMINATE BASE CABINETS (PL1)
06-02	PLASTIC LAMINATE UPPER CABINETS (PL1)
06-04	QUARTZ COUNTERTOP (QTZ1)
06-08	PLASTIC LAMINATE BASE CABINETS (PL2)
06-15	STAINLESS STEEL COUNTERTOP (SS) AND BACKSPLASH, EXTEND TO UNDERSIDE OF UPPER CABINETS, U.N.O.
06-22	WOOD SHELF
06-24	COUNTERTOP SUPPORT BRACKET
09-04	RUBBER BASE (RB1)
09-11	FROSTED WINDOW PRIVACY FILM (WF1) - LOCATE AT INTERIOR SIDE
09-15	WALL GRAPHIC (WC1), GRAPHIC TO BE VERIFIED PRIOR TO FABRICATION
09-23	GUN RAIL (QTZ3)
09-24	WALL PROTECTION (WP2) TO 30" AFF
09-31	ACOUSTIC CEILING SPRAY ON DECK AND WRAPPED 4'-0" DOWN ADJACENT WALLS
09-35	EPOXY BASE (EP)
10-13	4'X8' ANNEALED WALL MIRROR, MOUNT BOTTOM AT 7" AFF, PROVIDE BACKING IN WALL (MR1)
10-46	ANTI-LIGATURE WALL MOUNTED TOILET PAPER HOLDER. KINGSWAY GROUP KG03
11-18	DESKTOP PRINTER (RELOCATED OFCI),
12-30	AWARD PLAQUES (RELOCATED OFOI)
12-65	65" WALL MOUNTED TV, PROVIDE WALL BRACKET. COORDINATE TV LOCATION WITH FITNESS MACHINE LAYOUT PRIOR TO INSTALLATION

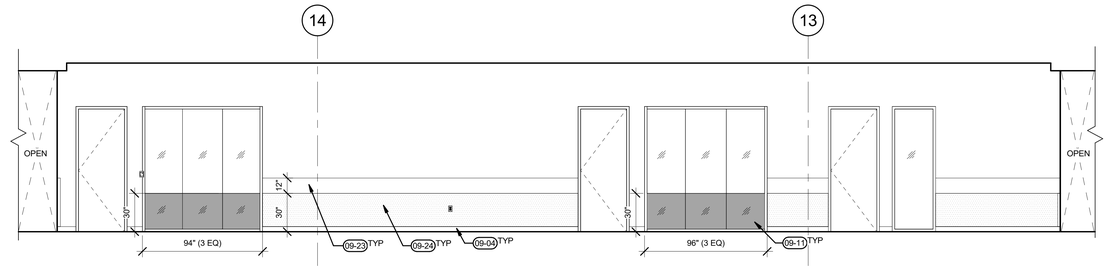
ADD A901



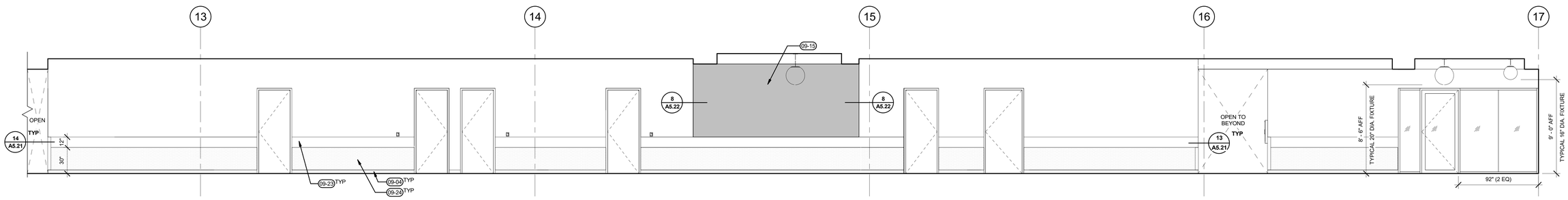
3 A4.26 SECURE CORRIDOR A1062 - NORTH
1/4" = 1'-0"



4 A4.26 SECURE CORRIDOR A1129 - SOUTH
1/4" = 1'-0"



5 A4.26 SECURE CORRIDOR A1129 - WEST
1/4" = 1'-0"



6 A4.26 SECURE CORRIDOR A1129 - EAST
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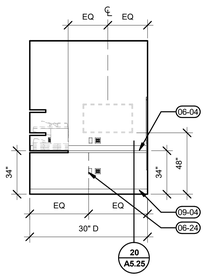
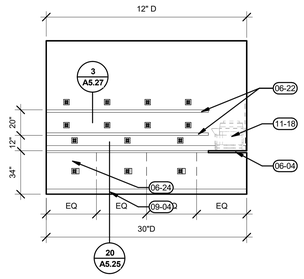
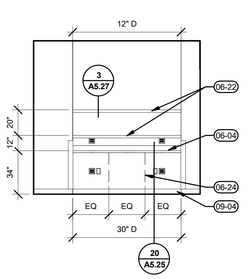


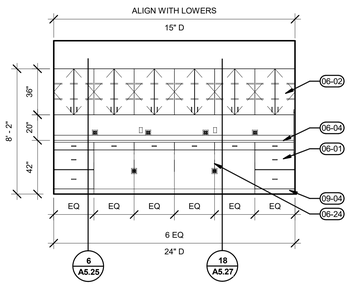
7 A4.26 HAM RADIO B1001 - EAST
1/4" = 1'-0"



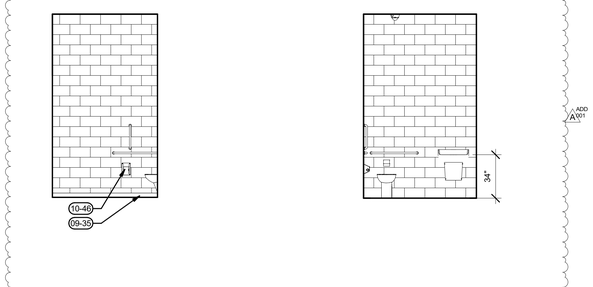
8 A4.26 HAM RADIO B1001 - NORTH
1/4" = 1'-0"



9 A4.26 CAD BACK-UP COMM 1005 - WEST
1/4" = 1'-0"



10 A4.26 ELEC. SURVEILLANCE | DIGITAL FORENSICS A1076 - EAST
1/4" = 1'-0"



11 A4.26 RESTROOM A1106 - NORTH
1/4" = 1'-0"

12 A4.26 RESTROOM A1106 - EAST
1/4" = 1'-0"

ADD A901

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Project

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11049 REGISTERED ARCHITECT
Brett Lee Harrison
STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
INTERIOR ELEVATIONS

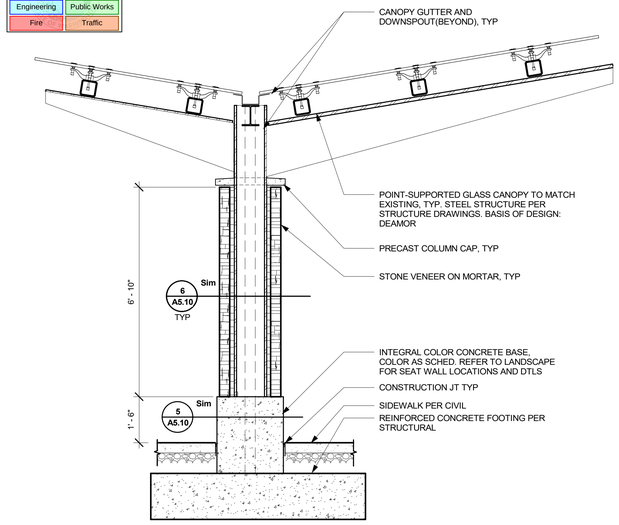
SHEET
A4.26

JOB NO. **2170269.07**

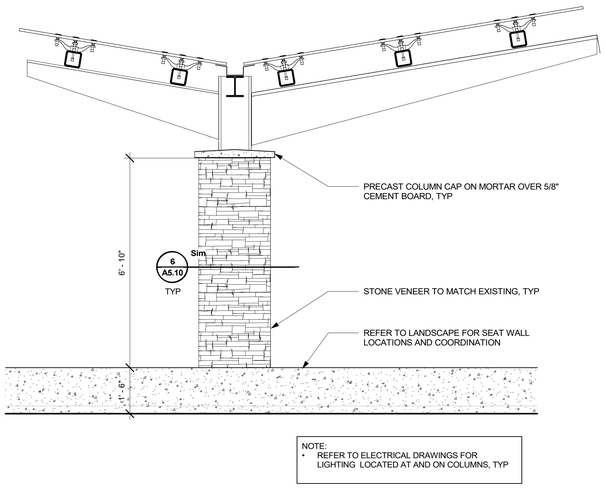
Permit/Bid Set 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

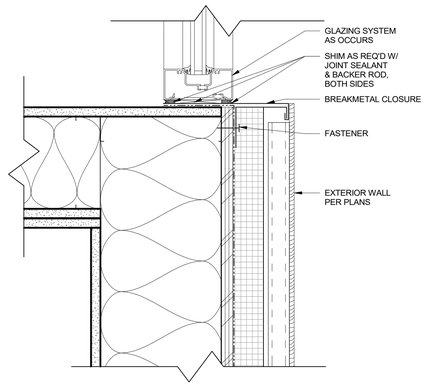
Building	Planning
Engineering	Public Works
Fire	Traffic



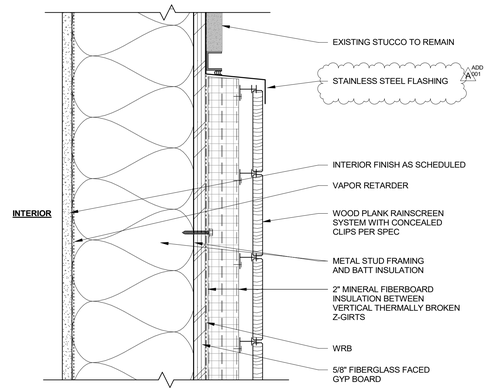
1 A5.10 TYPICAL CANOPY SECTION
1/2" = 1'-0"



2 A5.10 TYPICAL CANOPY ELEVATION @ SEATWALL
1/2" = 1'-0"



3 A5.10 STOREFRONT MULLION JAMB AT RAINSCREEN (OPP HAND)
3" = 1'-0"



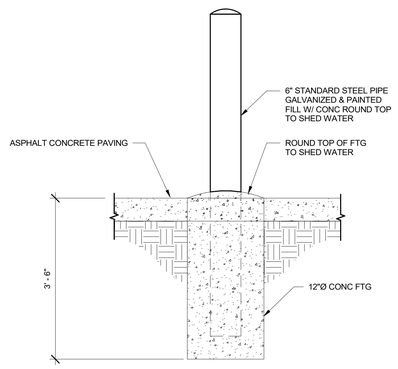
4 A5.10 WOOD PLANK RAINSCREEN EXTERIOR WALL
3" = 1'-0"

5 A5.10 INTEGRAL CONCRETE BASE
1 1/2" = 1'-0"

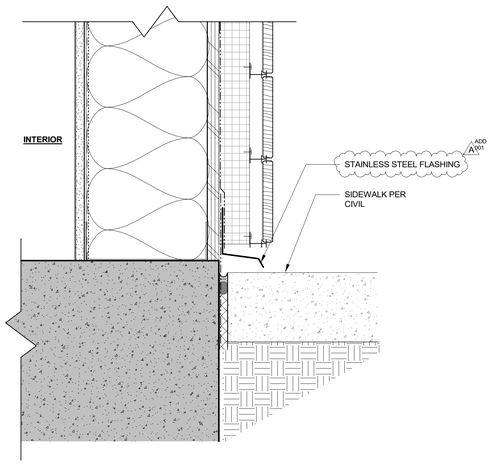
6 A5.10 STONE WRAP COLUMN
1 1/2" = 1'-0"

8 A5.10 JAMB @ WOOD RAINSCREEN
3" = 1'-0"

9 A5.10 WOOD PLANK RAINSCREEN EXTERIOR WALL
3" = 1'-0"



11 A5.10 BOLLARD DETAIL
3/4" = 1'-0"



12 A5.10 WOOD PLANK RAINSCREEN WALL
3" = 1'-0"

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Client

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STATE OF WASHINGTON

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REVISION SCHEDULE

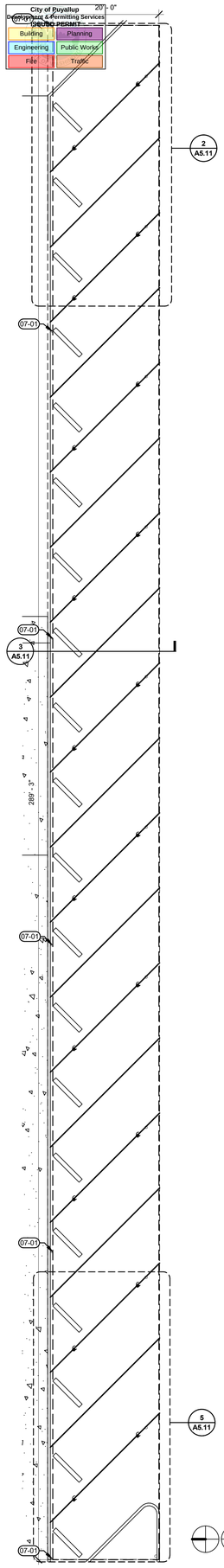
Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
EXTERIOR DETAILS

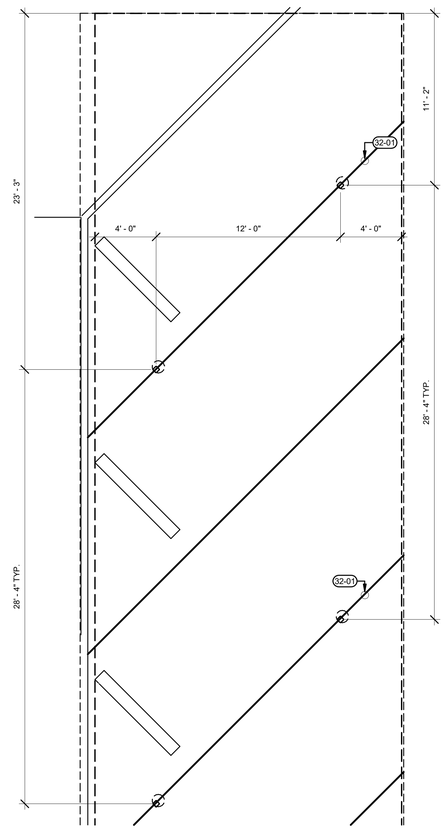
SHEET
A5.10

JOB NO. **2170269.07**

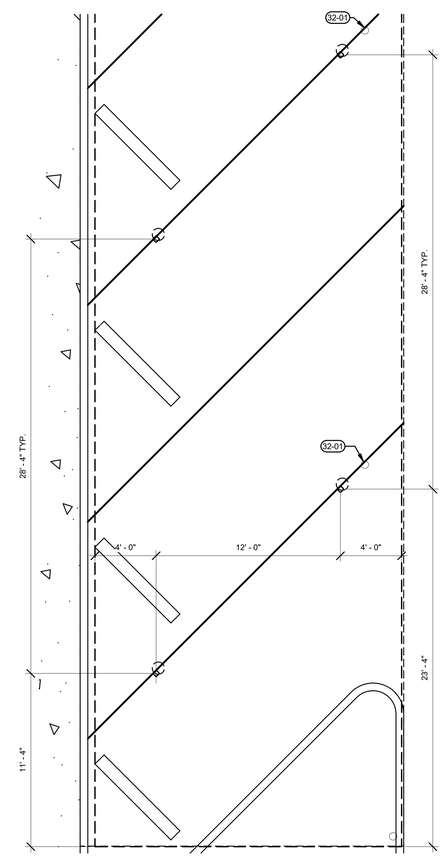
Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/25907-PPSB Benaroya-V23-A.rvt 4/8/2025 3:04:48 PM As indicated



1 A5.11 FLOOR PLAN - CARPORT
1" = 10'-0"



2 A5.11 ENLARGED PLAN - CARPORT - EAST
1/4" = 1'-0"



5 A5.11 ENLARGED PLAN - CARPORT - WEST
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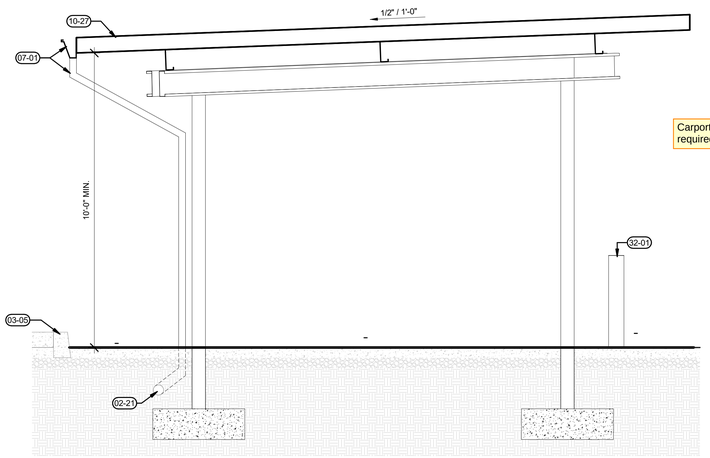
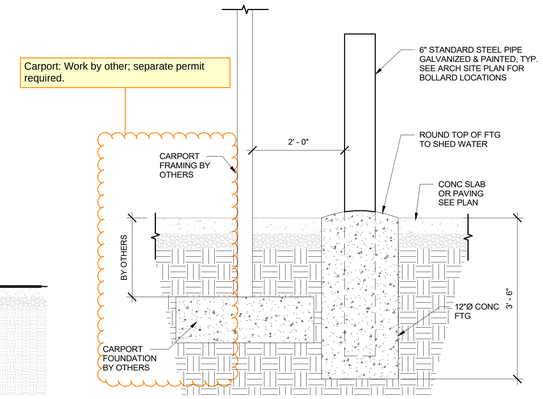


3 A5.11 SECTION - CARPORT
1/2" = 1'-0"



4 A5.11 CARPORT COLUMN/FOUNDATION AND BOLLARD DETAIL
3/4" = 1'-0"

GENERAL NOTES

A. ELEVATION 485'-0" = FINISH FLOOR ELEVATION INDICATED IN CIVIL DRAWINGS
B. CONTRACTOR SHALL VERIFY AND CONFIRM ALL DIMENSIONS AND LAYOUT INFORMATION. REFER TO CIVIL FOR PARKING LAYOUT, TYPICAL. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION. DO NOT SCALE DRAWINGS.
C. REFER TO ENLARGED PLANS WHERE INDICATED FOR ADDITIONAL INFORMATION. ENLARGED PLANS TAKE PRECEDENT OVER PLANS OF SMALLER SCALE.
D. FOR LIGHTING AND POWER AT CARPORT REFER TO ELECTRICAL AND POWER PLANS FOR MORE INFORMATION.

KEYNOTES

02-21	EXISTING SITE DRAIN TO REMAIN. REFER TO CIVIL FOR MORE DETAIL
03-05	CONCRETE CURB AND SIDEWALK, REFER TO CIVIL
07-01	METAL GUTTER AND DOWNSPOUT, TYP. REFER TO EXTERIOR FINISH SCHEDULE
10-27	PRE-ENGINEERED CARPORT SYSTEM
32-01	6" METAL BOLLARDS, TYP. REFER TO DETAIL 11/A5.10 FOR MORE INFORMATION

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
CARPORT PLANS, SECTIONS. AND DETAILS

SHEET
A5.11

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/26907-PPSB Benaroya-V23-A.rvt 2/27/2025 4:19:25 PM As indicated

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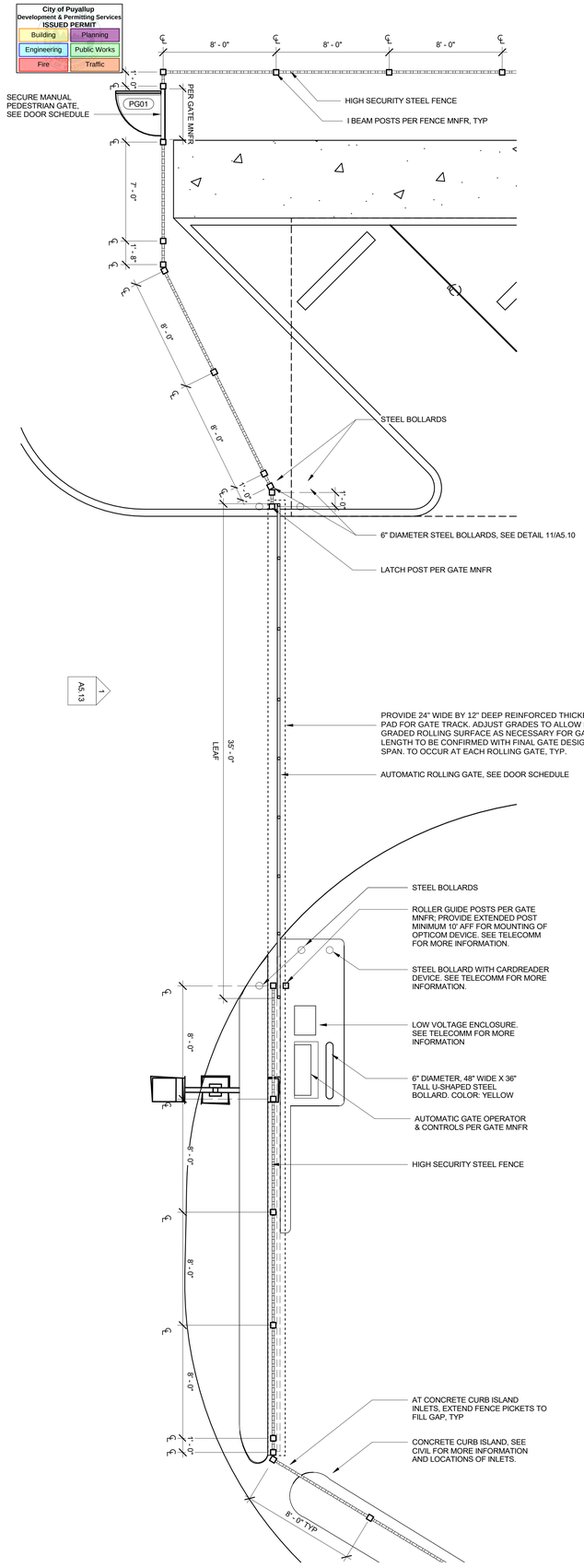
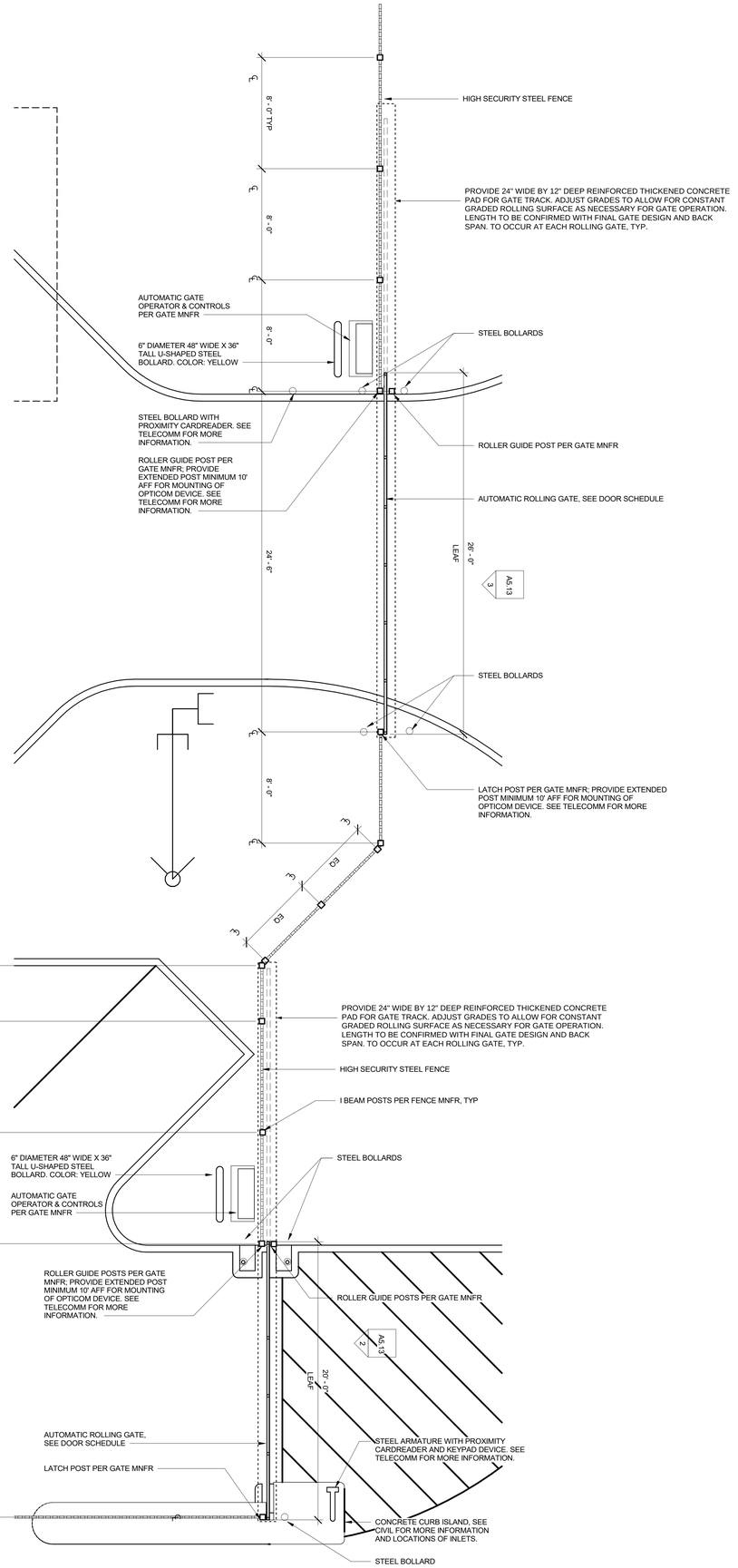


1 A5.12 ENLARGED PLAN - ROLLING GATE
1/4" = 1'-0"



2 A5.12 ENLARGED PLAN - ROLLING GATE
1/4" = 1'-0"

GENERAL NOTES

A. ELEVATION 485'-0" = FINISH FLOOR ELEVATION INDICATED IN CIVIL DRAWINGS.
B. CONTRACTOR SHALL VERIFY AND CONFIRM ALL DIMENSIONS AND LAYOUT INFORMATION. REFER TO CIVIL FOR SITEWORK LAYOUT, TYPICAL. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION. DO NOT SCALE DRAWINGS.

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Project

Puyallup Public Safety Building
1015 39th Avenue SE, Puyallup, WA, 98374

11049 REGISTERED ARCHITECT
BRETT L. HANSON
STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
SECURITY GATE PLANS

SHEET
A5.12

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/26907-PPSB Benaroya-V23-A.rvt 2/27/2025 4:19:28 PM As Indicated

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Development & Permitting Services
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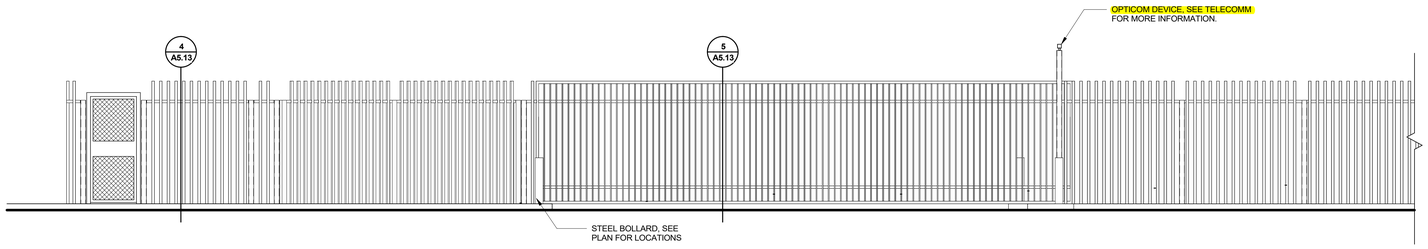
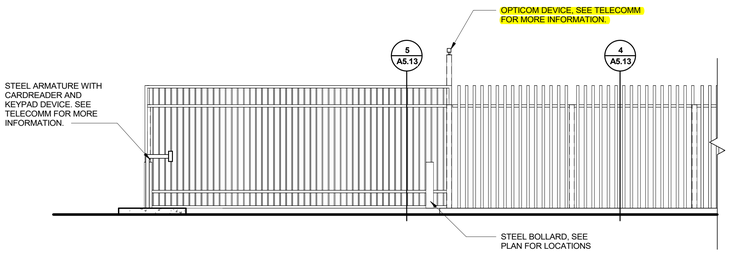
Engineering	Public Works
Fire	Traffic



1 A5.13 ELEVATION - WEST - SECURE GATE AND FENCE
1/4" = 1'-0"



2 A5.13 ELEVATION - EAST - SECURE GATE AND FENCE
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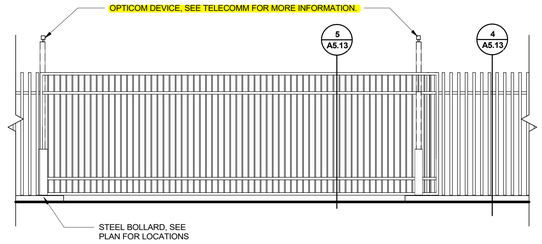
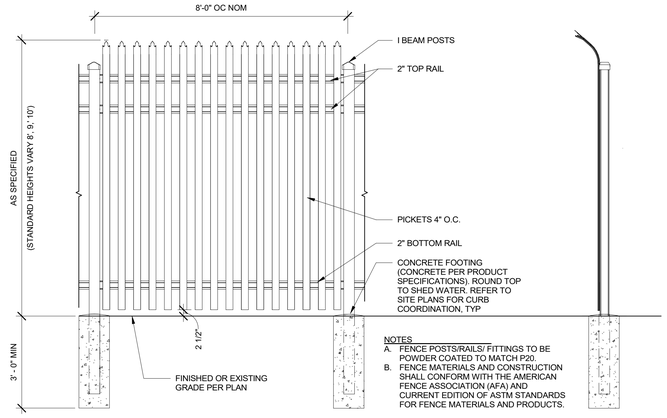
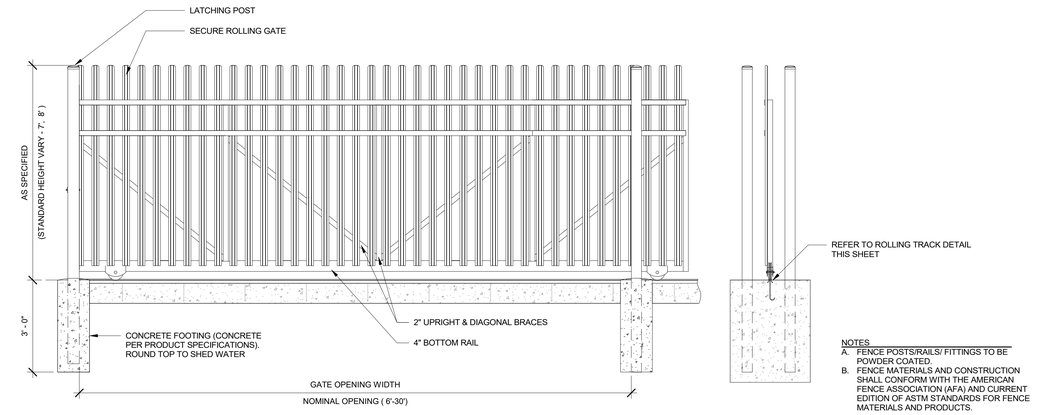


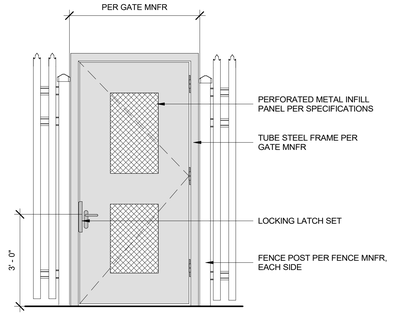
3 A5.13 ELEVATION - EAST - SECURE GATE AND FANCE
1/4" = 1'-0"



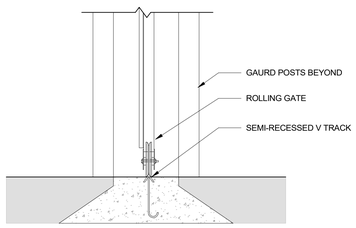
4 A5.13 SECURE FENCE
1/2" = 1'-0"



5 A5.13 SECURE ROLLING GATE
1/2" = 1'-0"



6 A5.13 METAL PANEL GATE - SINGLE
1/2" = 1'-0"



7 A5.13 ROLLING GATE TRACK
1" = 1'-0"

GENERAL NOTES

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
SECURITY GATE ELEVATIONS AND DETAILS

SHEET
A5.13

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025
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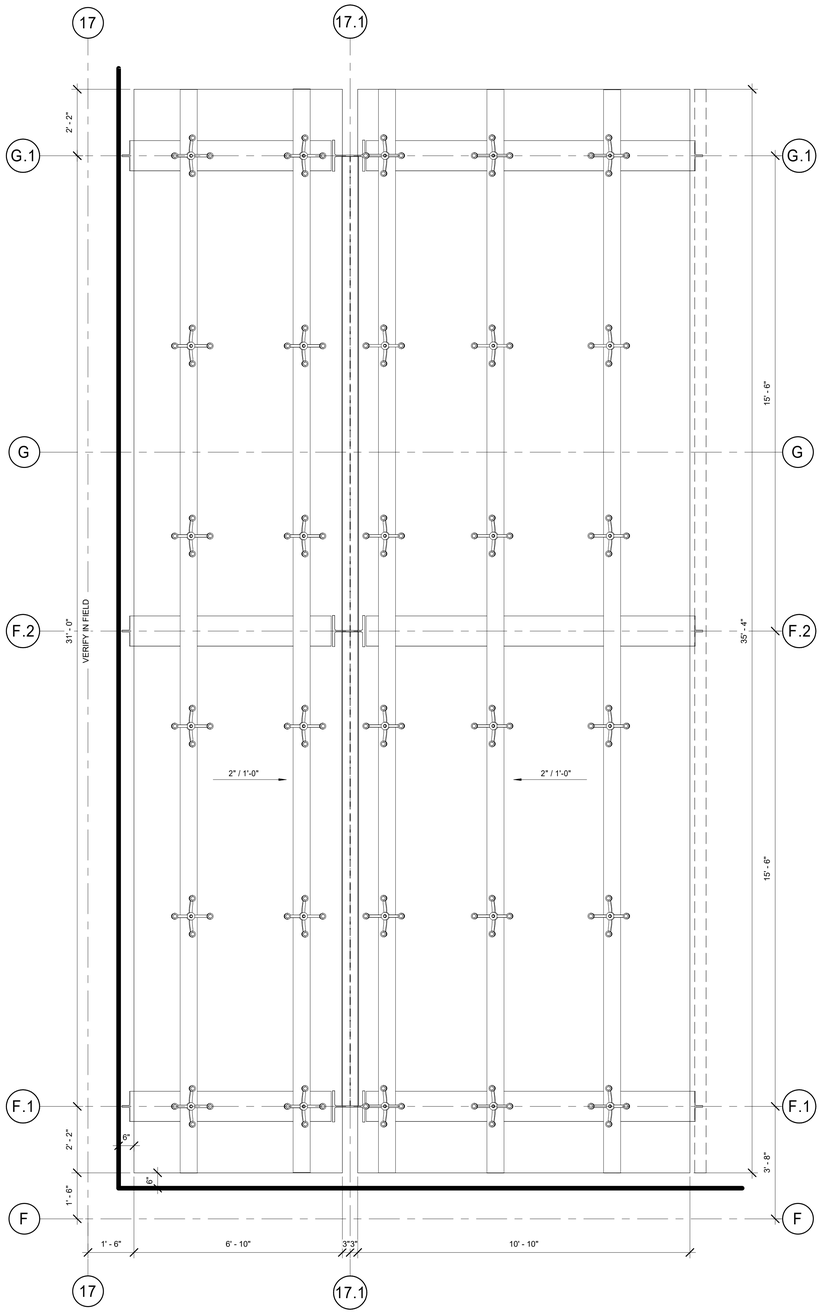
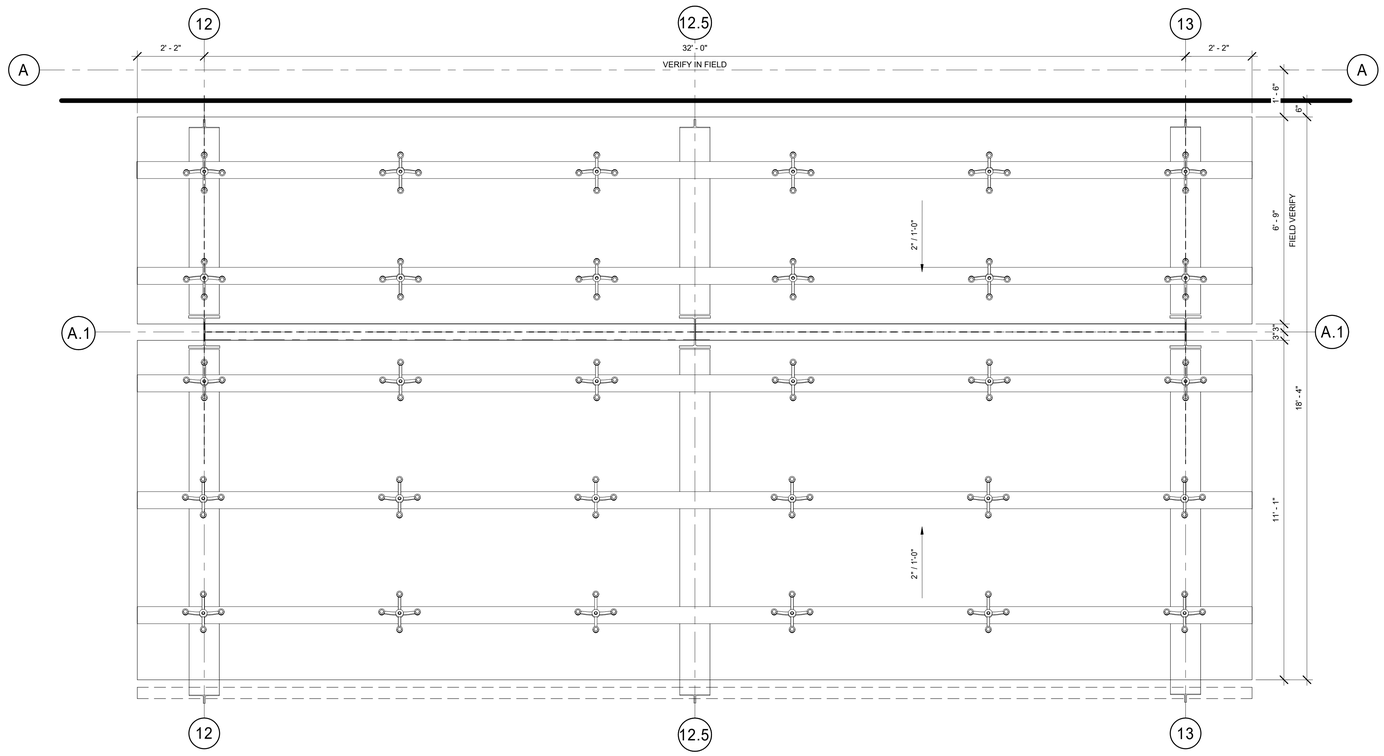
Engineering	Public Works
Fire	Traffic

GENERAL NOTES

A. MAINTAIN ¼" PER FOOT MINIMUM SLOPE THROUGHOUT CANOPY.
B. PAINT ALL EXPOSED STEEL TO P-1.



1 A5.14 ROOF PLAN - SOUTH ENTRY CANOPY
1/2" = 1'-0"



2 A5.14 ROOF PLAN - WEST ENTRY CANOPY
1/2" = 1'-0"

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Delta	Issued As	Issue Date

SHEET TITLE:
ENTRY CANOPY ROOF PLANS

SHEET
A5.14

JOB NO. 2170269.07

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Autodesk Docs://PPSB Benaroya/26907-PPSB Benaroya-V23-A.rvt 3/3/2025 1:43:30 PM As indicated

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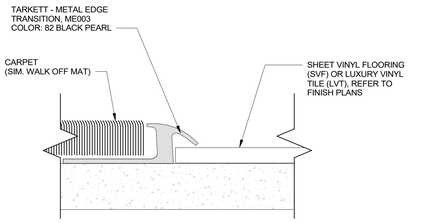
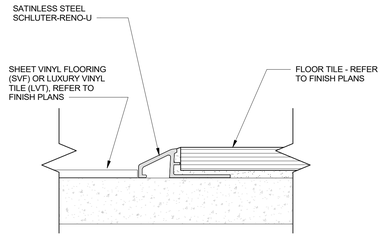
Engineering	Public Works
Fire	Traffic



1 A5.20 FLOOR TRANSITION - CARPET / VINYL FLOORING
12" = 1'-0"



2 A5.20 FLOOR TRANSITION - VINYL FLOORING / TILE
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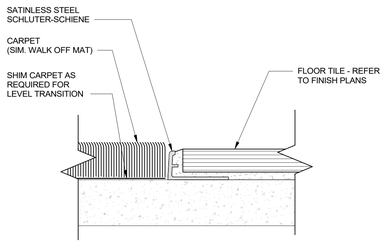

3 A5.20 FLOOR TRANSITION - CARPET / TILE
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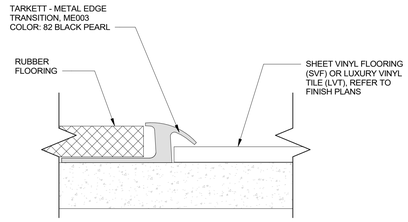

4 A5.20 FLOOR TRANSITION - RUBBER / VINYL FLOORING
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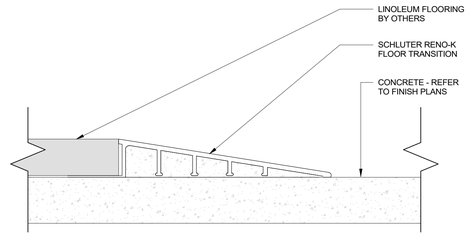
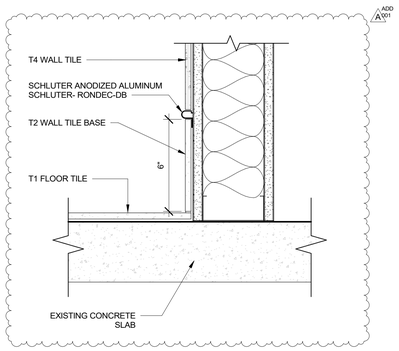
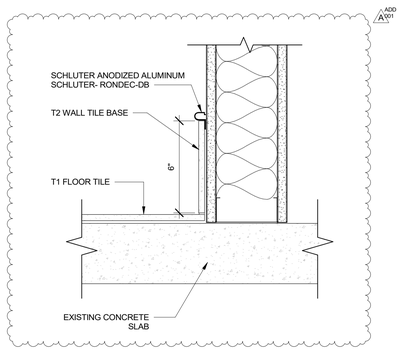


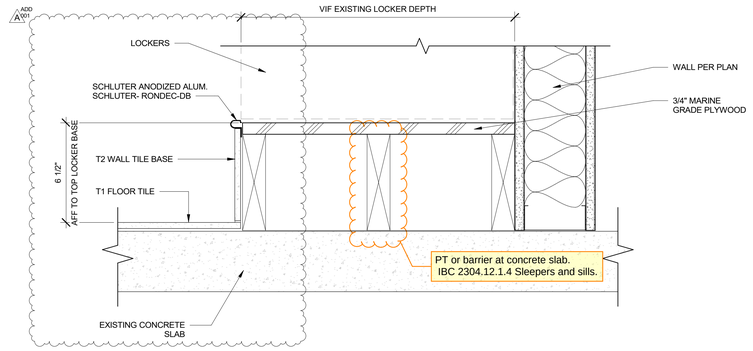
5 A5.20 FLOORING TRANITION - CONCRETE / LINOLEUM
12" = 1'-0"



6 A5.20 TILE FLOOR TO TILE WALL
3" = 1'-0"



7 A5.20 TILE FLOOR TO TILE BASE
3" = 1'-0"



8 A5.20 TILE FLOOR TO TILE BASE - LOCKERS
3" = 1'-0"

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
INTERIOR DETAILS - FLOORS

SHEET
A5.20

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025

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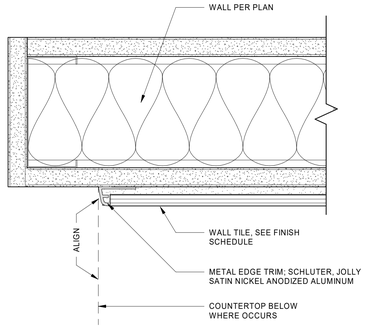
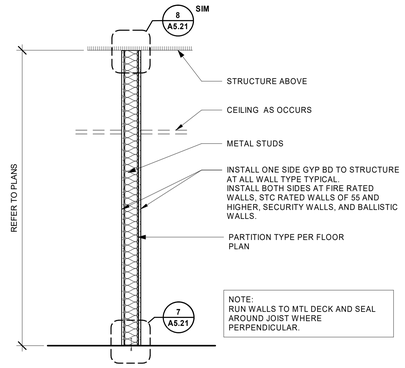
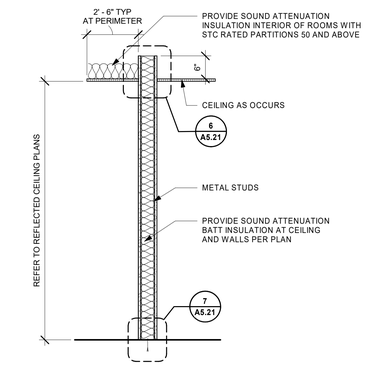


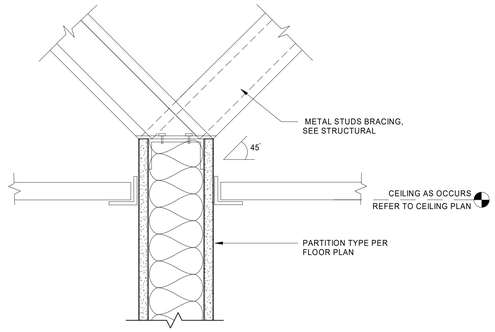
2 A5.21 WALL TILE DETAIL
6" = 1'-0"



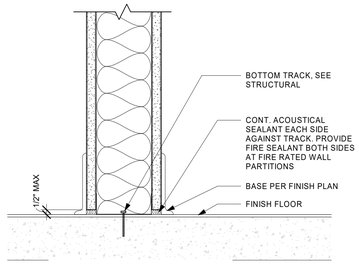
3 A5.21 TYPICAL INTERIOR PARTITION
3/4" = 1'-0"



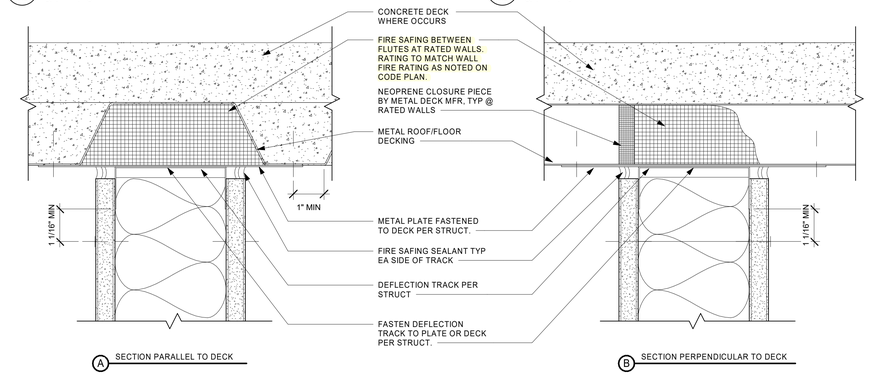
4 A5.21 TYPICAL INTERIOR WALL @ CEILING
3/4" = 1'-0"



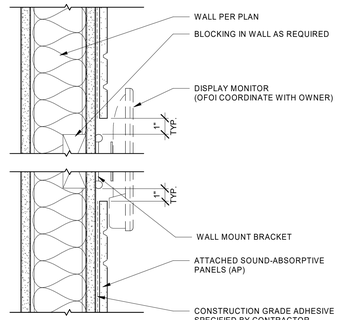
6 A5.21 NON-BEARING GYPSUM BOARD PARTION
3" = 1'-0"



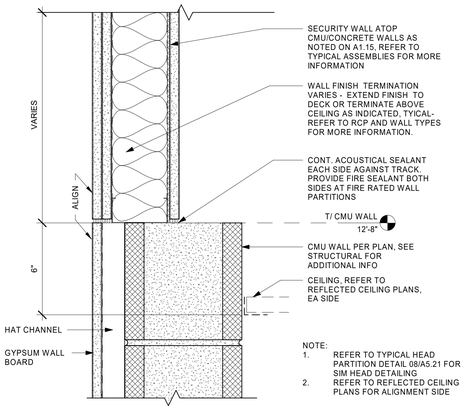
7 A5.21 TYPICAL PARTITION BASE
3" = 1'-0"



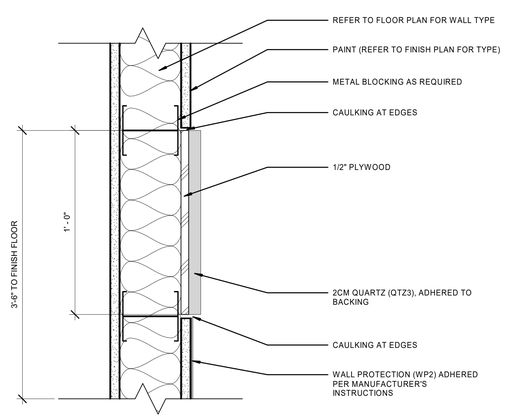
8 A5.21 TYPICAL PARTITION HEAD
6" = 1'-0"



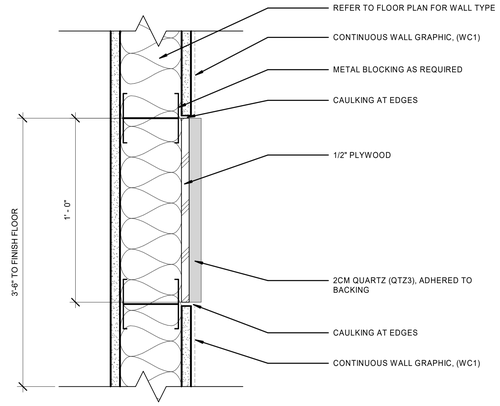
9 A5.21 ACOUSTICAL PANEL AT MONITOR
3" = 1'-0"



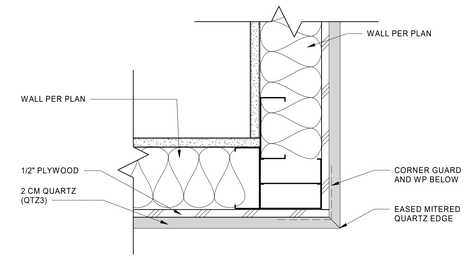
10 A5.21 CMU WALL TO GYPSUM BOARD TRANSITION
3" = 1'-0"



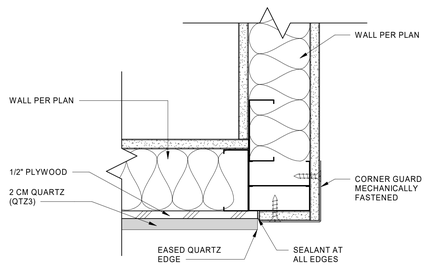
11 A5.21 SECTION THRU GUN RAIL
3" = 1'-0"



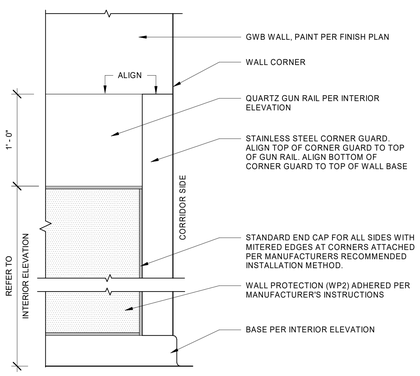
12 A5.21 SECTION THRU GUN RAIL - WALL GRAPHIC
3" = 1'-0"



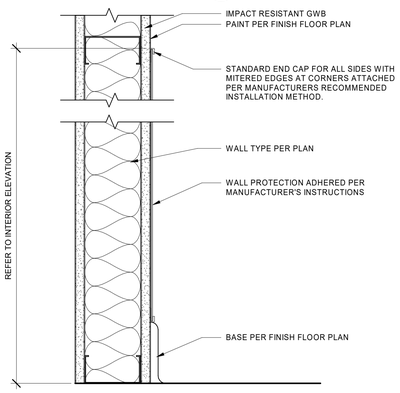
13 A5.21 CORNER CONDITION AT GUN RAIL INTERSECTION
3" = 1'-0"



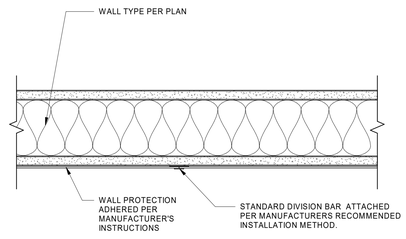
14 A5.21 CORNER CONDITION AT GUN RAIL
3" = 1'-0"



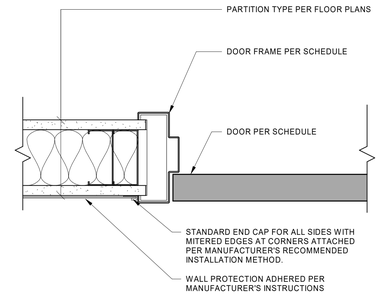
15 A5.21 GUN RAIL ELEVATION
1 1/2" = 1'-0"



16 A5.21 WALL PROTECTION
3" = 1'-0"



17 A5.21 WALL PROTECTION
3" = 1'-0"



18 A5.21 WALL PROTECTION
3" = 1'-0"

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
INTERIOR DETAILS - WALLS

SHEET
A5.21

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025

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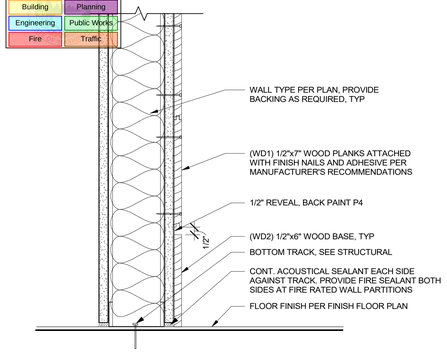
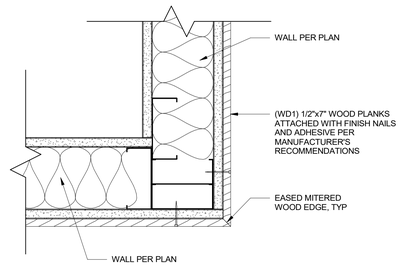
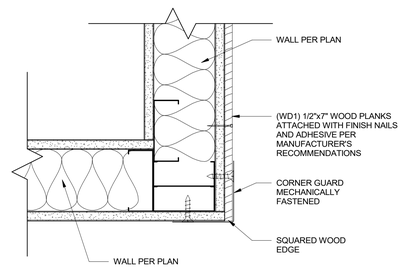


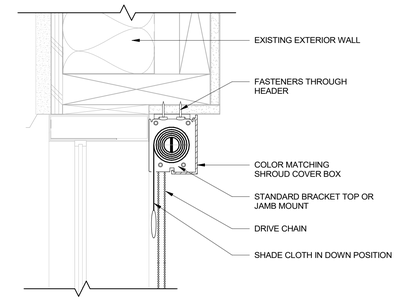
1 A5.22 SECTION DETAIL AT WOOD WALL
3" = 1'-0"



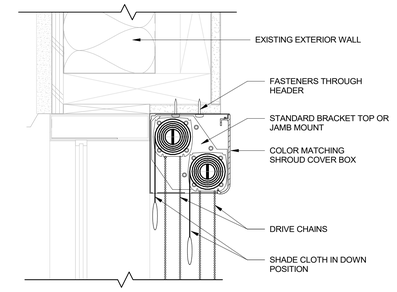
2 A5.22 CORNER CONDITION AT WOOD WALL
3" = 1'-0"



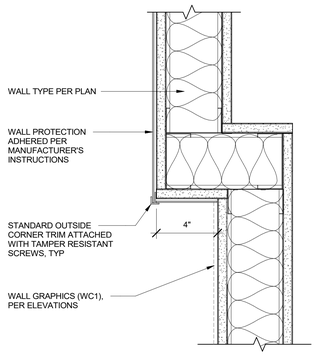
3 A5.22 CORNER CONDITION AT WOOD WALL EDGE
3" = 1'-0"



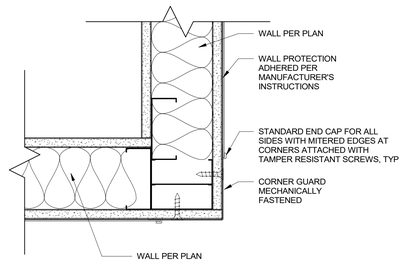
4 A5.22 WINDOW SHADES (WS1)
3" = 1'-0"



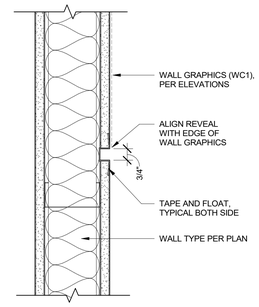
5 A5.22 WINDOW SHADES - DOUBLE SHADE (WS2)
3" = 1'-0"



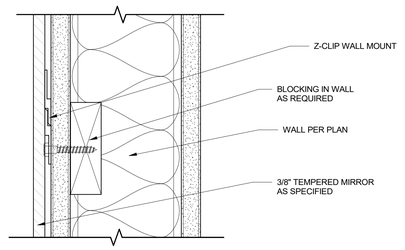
6 A5.22 WALL NICHE
3" = 1'-0"



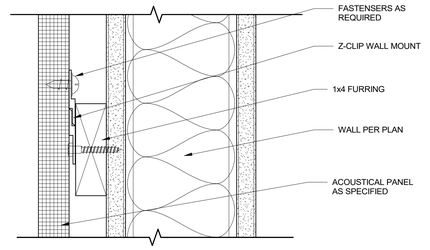
7 A5.22 CORNER CONDITION AT WALL PROTECTION
3" = 1'-0"



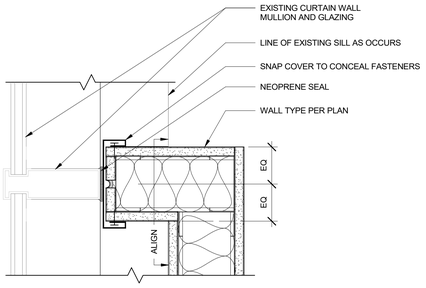
8 A5.22 SECTION DETAIL AT WALL REVEAL
3" = 1'-0"



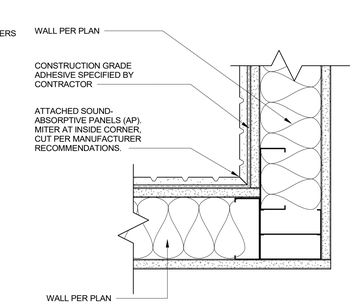
9 A5.22 MIRROR INSTALLATION
6" = 1'-0"



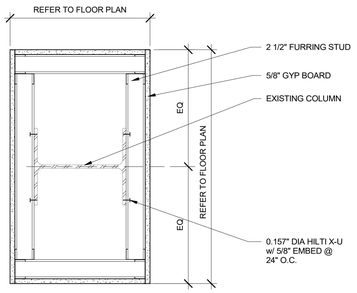
10 A5.22 ACOUSTICAL PANEL INSTALLATION
6" = 1'-0"



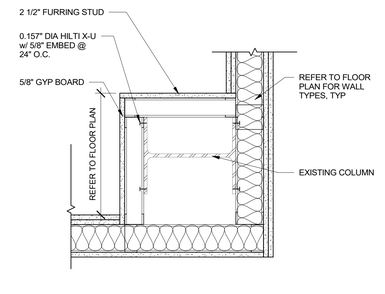
11 A5.22 WALL TO MULLION CONNECTION
3" = 1'-0"



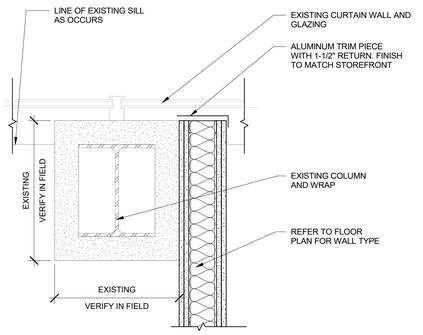
12 A5.22 ACOUSTICAL PANEL AT INSIDE CORNER
3" = 1'-0"



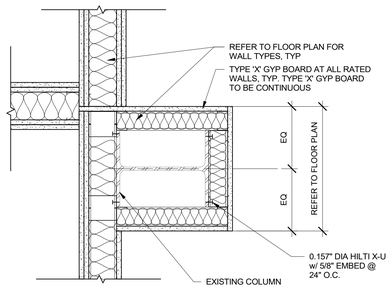
13 A5.22 COLUMN FURRING, TYP
1 1/2" = 1'-0"



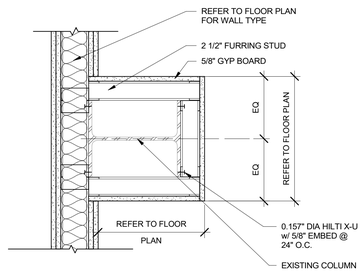
14 A5.22 COLUMN FURRING AT CORNER
1 1/2" = 1'-0"



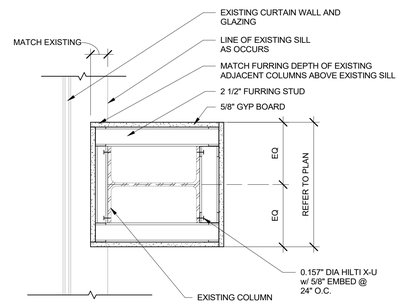
15 A5.22 EXISTING COLUMN FURRING
1 1/2" = 1'-0"



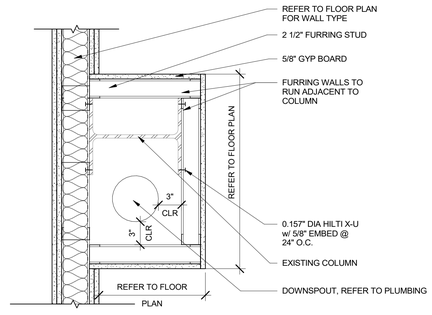
16 A5.22 COLUMN FURRING (FIRE RATED)
1 1/2" = 1'-0"



17 A5.22 COLUMN FURRING AT WALL
1 1/2" = 1'-0"



18 A5.22 COLUMN FURRING AT EXTERIOR GLAZING
1 1/2" = 1'-0"



19 A5.22 COLUMN FURRING AT WALL
1 1/2" = 1'-0"

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Client

City of Puyallup

Project

Puyallup Public Safety Building
1015 39th Avenue SE,
Puyallup, WA, 98374

11049 REGISTERED ARCHITECT
BRETT L. HANSON
STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date

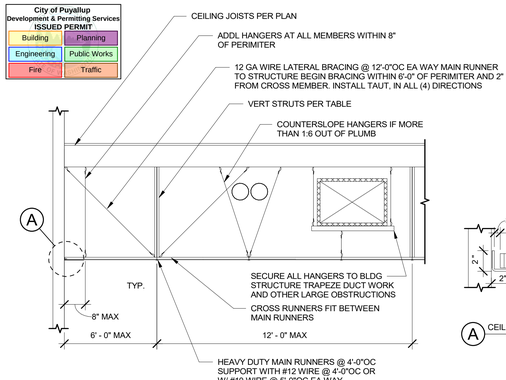
SHEET TITLE:
INTERIOR DETAILS - WALLS

SHEET
A5.22

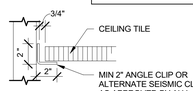
JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025

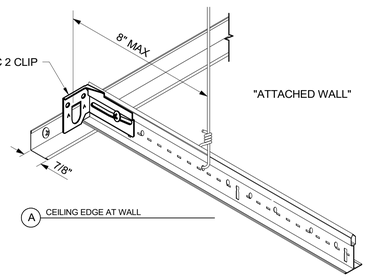
City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning | Engineering | Public Works | Fire | Traffic



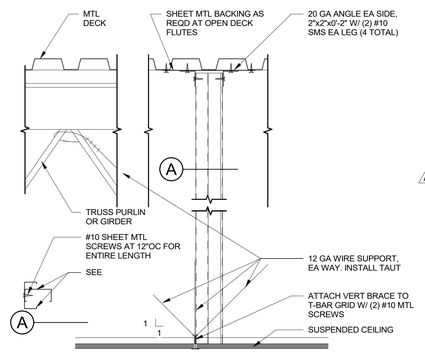
NOTES:
1. VERIFY WEIGHT OF CEILING LESS THAN 4 PSF.
2. ALL GRID MEMBERS AND CONNECTION DEVICES TO BE OF AN APPROVED TYPE AND HAVE A 1088 CAPACITY. ALL LATERAL BRACING WIRES TO HAVE A 200# CAPACITY
3. PROVIDE SEISMIC SEPARATION JOINTS IN CEILINGS GREATER THAN 2,500 SF. PROVIDE HEAVY DUTY GRID SYSTEM
4. DESIGN AND INSTALL IN ACCORDANCE WITH ASTM C635, ASTM C636, AND ASTM E580, SECTION 5
5. INSTALL BRACING SYSTEM EVERY 144 SF MAXIMUM OF SUSPENDED CEILING BRACE LENGTHS TO 25'-0" PER ASCE 7-10 SECTION 13.5.6.2.2
6. SUSPENDED CEILINGS LESS THAN OR EQUAL TO 144 SF THAT ARE SURROUNDED BY WALLS OR SOFFITS THAT ARE LATERALLY BRACED TO THE STRUCTURE ARE EXEMPT FROM SEISMIC BRACING
7. HORIZONTAL RESTRAINT LATERAL BRACING IS REQUIRED FOR CEILING AREAS EXCEEDING 1,000 SF
8. SEISMIC SEPARATION JOINTS ARE REQUIRED FOR CEILING AREAS EXCEEDING 2,500 SF. LENGTH TO WIDTH RATIO SHALL NOT EXCEED 4:1. SUSPENSION SYSTEM MUST BE ATTACHED TO (2) ADJACENT WALLS. OPPOSITE WALLS MUST HAVE 3/4" CLEARANCE
9. SUSPENDED CEILINGS SHALL COMPLY WITH NWCB TECHNICAL DOCUMENT 401

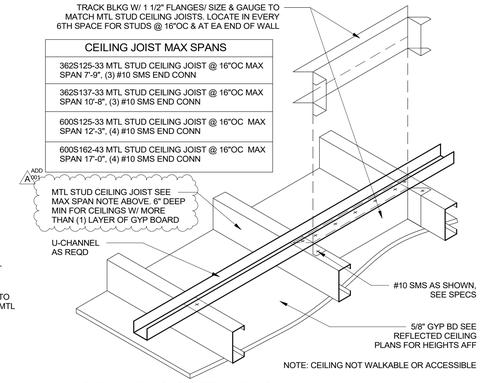


VERTICAL STRUT TABLE	MAX LENGTH
SGL 162S125-33 MTL STUDS (1-5/8"x20GA)	12'-0"
BACK TO BACK 162S125-33 MTL STUDS (1-5/8"x20GA)	15'-0"
SGL 250S125-33 MTL STUD (2-1/2"x20GA)	13'-6"
BACK TO BACK 250S125-33 MTL STUDS (2-1/2"x20GA)	15'-0"



NOTE:
FOR UNATTACHED WALLS PROVIDE A 1/2" TO 3/4" GAP BETWEEN EDGE OF ANGLE AND CLIP -- DO NOT SCREW BERC 2 CLIP TO TRACK



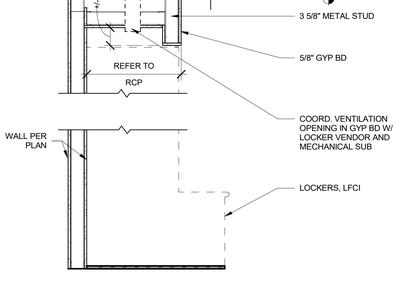


1 A5.23 SUSPENDED CEILING SUPPORT
12" = 1'-0"

3 A5.23 SUSPENDED CEILING BRACING
3/8" = 1'-0"

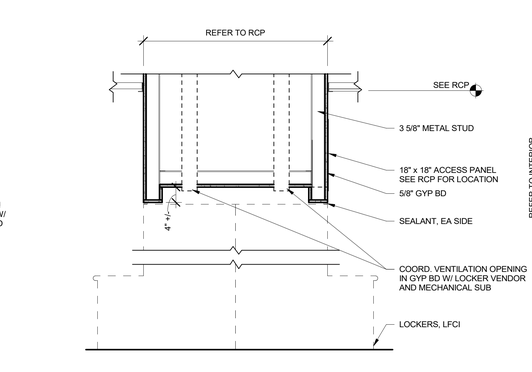
4 A5.23 SUSPENDED CEILING BRACING
1 1/2" = 1'-0"

5 A5.23 CEILING JOIST FRAMING
1 1/2" = 1'-0"

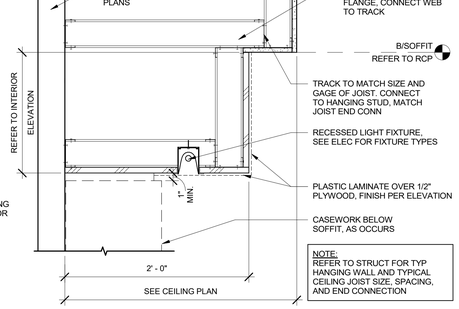


6 A5.23 TEE BAR GRID TRIM
6" = 1'-0"

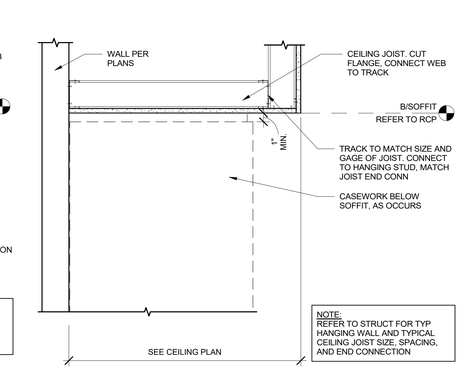
NOTE:
VERIFY NEED FOR ADDITIONAL BRACING FOR PARTITION TRACK WITH MANUFACTURER. REFERENCE MANUFACTURE FOR MORE INFORMATION



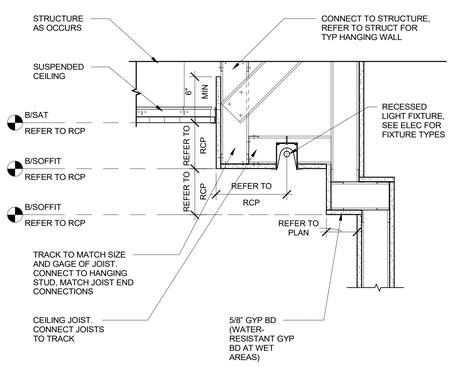
7 A5.23 OPERABLE WALL PARTITION CONNECTION
1 1/2" = 1'-0"



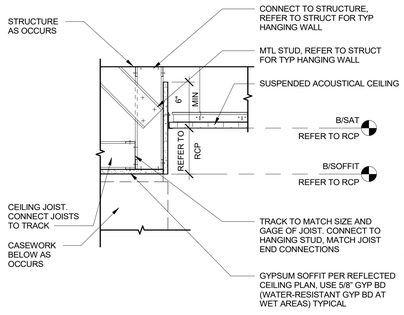
8 A5.23 TEE BAR GRID LIGHTING
6" = 1'-0"



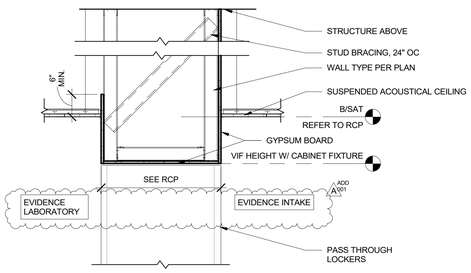
9 A5.23 CEILING HEIGHT TRANSITION - FELT TILES
1 1/2" = 1'-0"



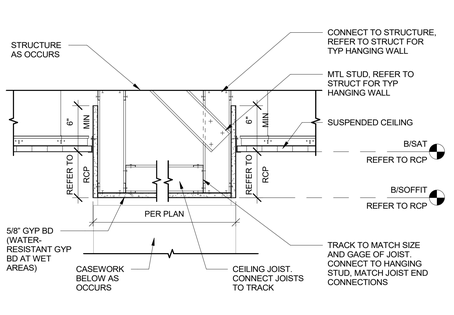
10 A5.23 CEILING SOFFIT TRANSITION
1 1/2" = 1'-0"



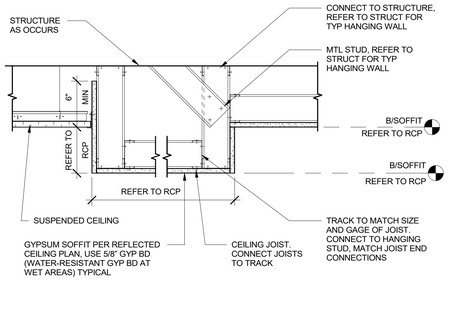
11 A5.23 CEILING SOFFIT TRANSITION
1 1/2" = 1'-0"



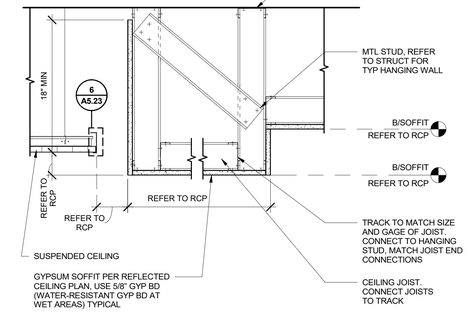
12 A5.23 SOFFIT AT PASS THRU LOCKERS
3/4" = 1'-0"



13 A5.23 CEILING SOFFIT TRANSITION
1 1/2" = 1'-0"



14 A5.23 CEILING SOFFIT TRANSITION
1 1/2" = 1'-0"



15 A5.23 CEILING SOFFIT TRANSITION
1 1/2" = 1'-0"

16 A5.23 SOFFIT AT LOCKERS
3/4" = 1'-0"

17 A5.23 SOFFIT AT LOCKERS
3/4" = 1'-0"

NOTE:
REFER TO STRUCT FOR TYP HANGING WALL AND TYPICAL CEILING JOIST SIZE, SPACING, AND END CONNECTION

18 A5.23 CEILING SOFFIT TRANSITION
1 1/2" = 1'-0"

NOTE:
REFER TO STRUCT FOR TYP HANGING WALL AND TYPICAL CEILING JOIST SIZE, SPACING, AND END CONNECTION

19 A5.23 CEILING SOFFIT TRANSITION
1 1/2" = 1'-0"

20 A5.23 WALL NICHE
1 1/2" = 1'-0"

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Client
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Project
Puyallup Public Safety Building
1015 39th Avenue SE, Puyallup, WA, 98374

11049 REGISTERED ARCHITECT
Brett Lee Hanson
STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
INTERIOR DETAILS - CEILING

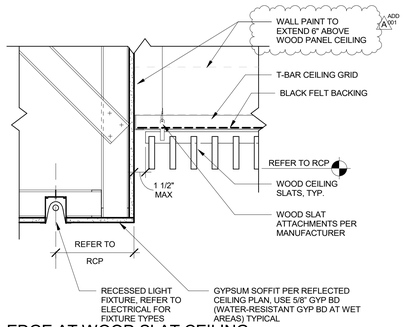
SHEET
A5.23

JOB NO. 2170269.07

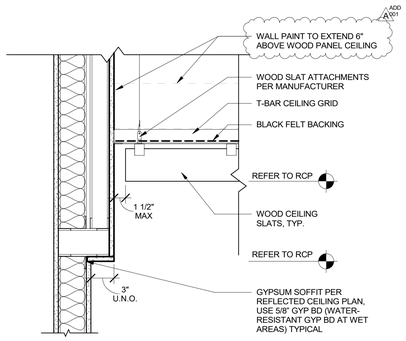
Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/26907-PPSB Benaroya-V23-A.rvt 4/8/2025 3:05:15 PM As indicated

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

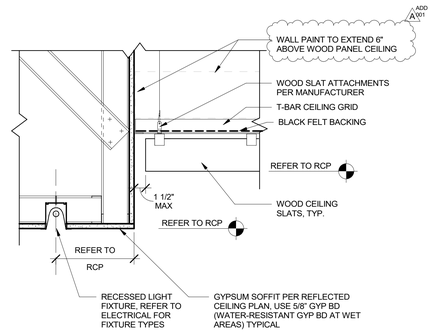
Building	Planning
Engineering	Public Works
Fire	Traffic



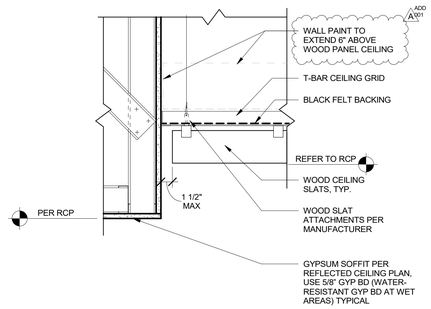
1 A5.24 EDGE AT WOOD SLAT CEILING
1 1/2" = 1'-0"



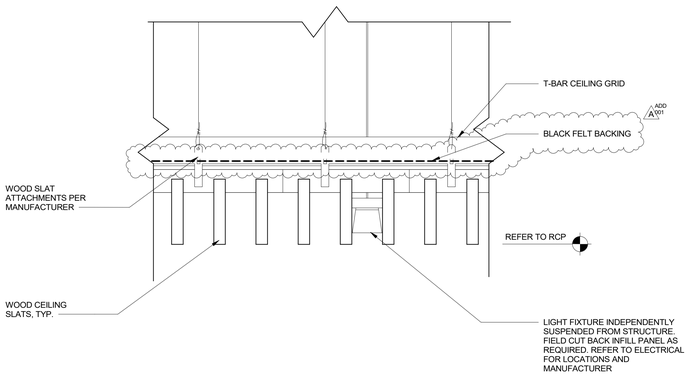
2 A5.24 EDGE AT WOOD SLAT CEILING
1 1/2" = 1'-0"



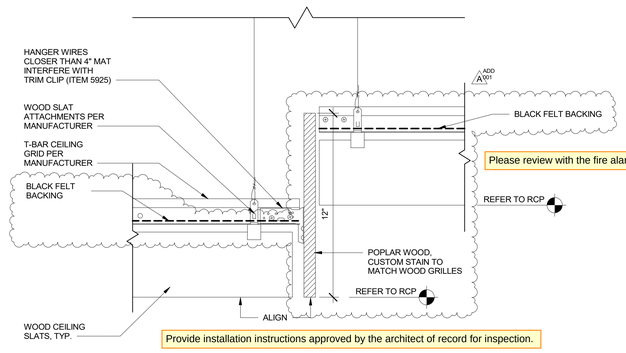
3 A5.24 SOFFIT WITH LIGHT
1 1/2" = 1'-0"



4 A5.24 EDGE AT WOOD SLAT CEILING
1 1/2" = 1'-0"



5 A5.24 WOOD SLAT CEILING LINEAR LIGHTING
3" = 1'-0"



Please review with the fire alarm and fire sprinkler contractors for minimum code standards. (typical)

Provide installation instructions approved by the architect of record for inspection.

6 A5.24 WOOD SLAT CEILING TRIM TO CROSS TEE
3" = 1'-0"

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City of Puyallup

Project
Puyallup Public Safety Building
1015 39th Avenue SE, Puyallup, WA, 98374

11049 REGISTERED ARCHITECT
Brett Lee Harrison
STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
INTERIOR DETAILS - CEILING

SHEET
A5.24

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/25907-PPSB Benaroya-V23-A.rvt 4/8/2025 3:05:18 PM As indicated

City of Puyallup
Development & Permitting Services
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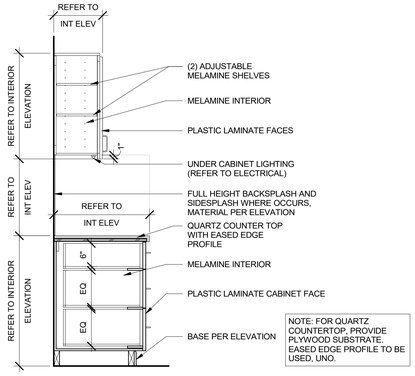
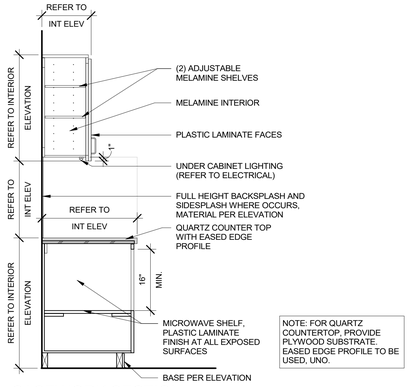
Fire	Traffic



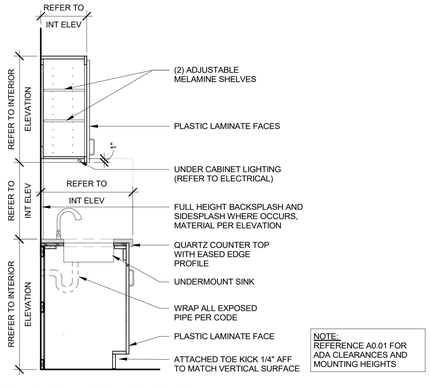
NOTE: FOR QUARTZ COUNTERTOP, PROVIDE PLYWOOD SUBSTRATE. EASED EDGE PROFILE TO BE USED, UNO.

1 A5.25 CASEWORK SECTION
3/4" = 1'-0"



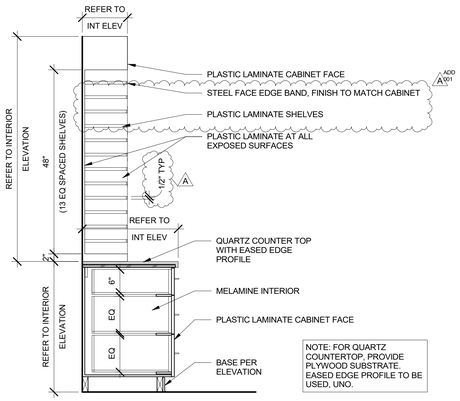
NOTE: FOR QUARTZ COUNTERTOP, PROVIDE PLYWOOD SUBSTRATE. EASED EDGE PROFILE TO BE USED, UNO.

2 A5.25 CASEWORK SECTION
3/4" = 1'-0"



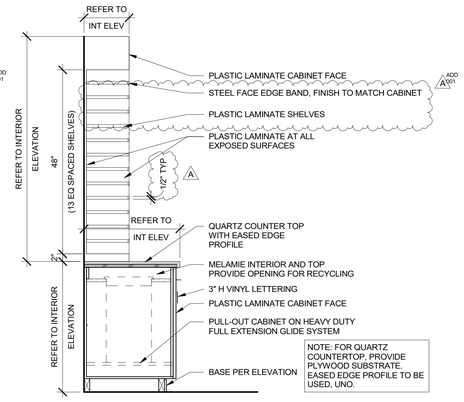
NOTE:
REFERENCE A0.01 FOR ADA CLEARANCES AND MOUNTING HEIGHTS

3 A5.25 CASEWORK SECTION
3/4" = 1'-0"



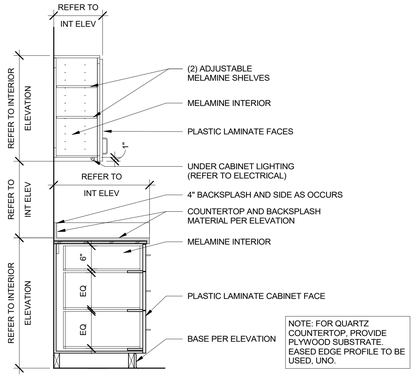
NOTE: FOR QUARTZ COUNTERTOP, PROVIDE PLYWOOD SUBSTRATE. EASED EDGE PROFILE TO BE USED, UNO.

4 A5.25 CASEWORK SECTION
3/4" = 1'-0"



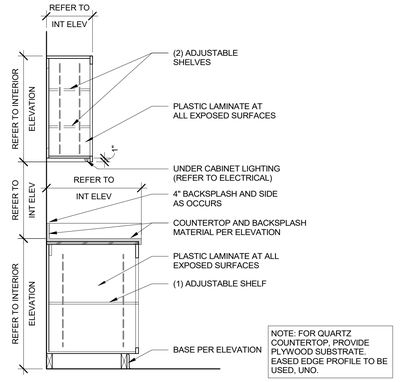
NOTE: FOR QUARTZ COUNTERTOP, PROVIDE PLYWOOD SUBSTRATE. EASED EDGE PROFILE TO BE USED, UNO.

5 A5.25 CASEWORK SECTION
3/4" = 1'-0"



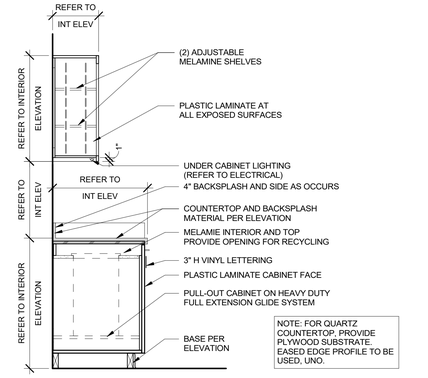
NOTE: FOR QUARTZ COUNTERTOP, PROVIDE PLYWOOD SUBSTRATE. EASED EDGE PROFILE TO BE USED, UNO.

6 A5.25 CASEWORK SECTION
3/4" = 1'-0"



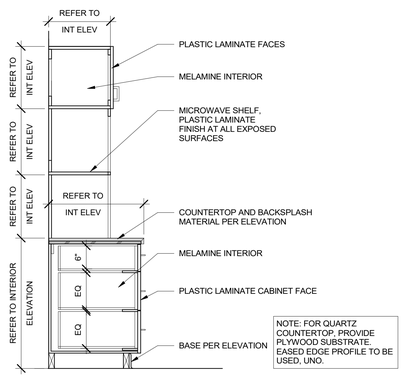
NOTE: FOR QUARTZ COUNTERTOP, PROVIDE PLYWOOD SUBSTRATE. EASED EDGE PROFILE TO BE USED, UNO.

7 A5.25 CASEWORK SECTION
3/4" = 1'-0"



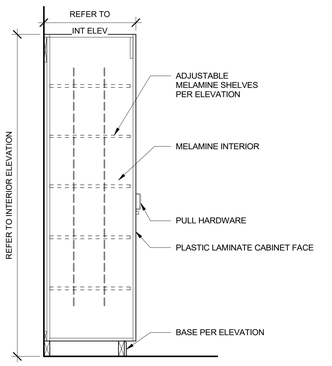
NOTE: FOR QUARTZ COUNTERTOP, PROVIDE PLYWOOD SUBSTRATE. EASED EDGE PROFILE TO BE USED, UNO.

8 A5.25 CASEWORK SECTION
3/4" = 1'-0"

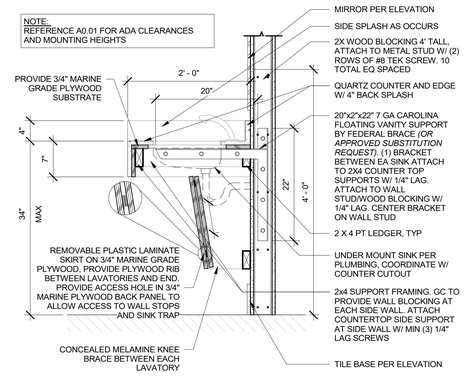


NOTE: FOR QUARTZ COUNTERTOP, PROVIDE PLYWOOD SUBSTRATE. EASED EDGE PROFILE TO BE USED, UNO.

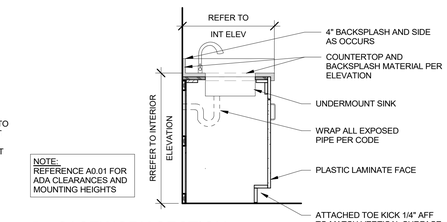
9 A5.25 CASEWORK SECTION
3/4" = 1'-0"



10 A5.25 CASEWORK SECTION
3/4" = 1'-0"

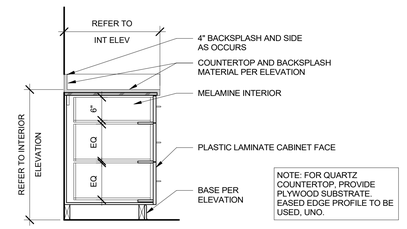


11 A5.25 LAVATORY SECTION
1" = 1'-0"



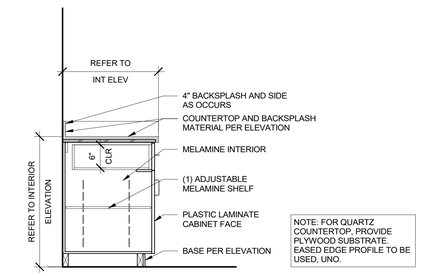
NOTE:
REFERENCE A0.01 FOR ADA CLEARANCES AND MOUNTING HEIGHTS

12 A5.25 CASEWORK SECTION
3/4" = 1'-0"



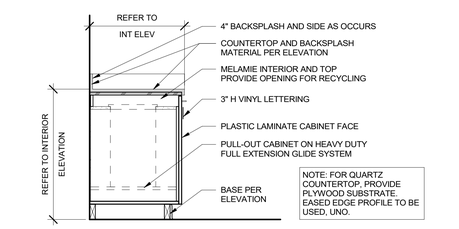
NOTE: FOR QUARTZ COUNTERTOP, PROVIDE PLYWOOD SUBSTRATE. EASED EDGE PROFILE TO BE USED, UNO.

13 A5.25 CASEWORK SECTION
3/4" = 1'-0"



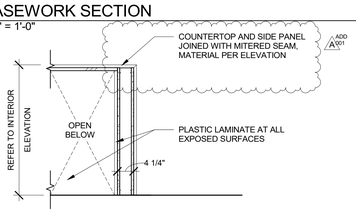
NOTE: FOR QUARTZ COUNTERTOP, PROVIDE PLYWOOD SUBSTRATE. EASED EDGE PROFILE TO BE USED, UNO.

14 A5.25 CASEWORK SECTION
3/4" = 1'-0"

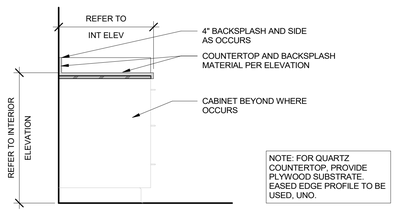


NOTE: FOR QUARTZ COUNTERTOP, PROVIDE PLYWOOD SUBSTRATE. EASED EDGE PROFILE TO BE USED, UNO.

15 A5.25 TRASH/RECYCLE/SHRED CABINET SECTION
3/4" = 1'-0"

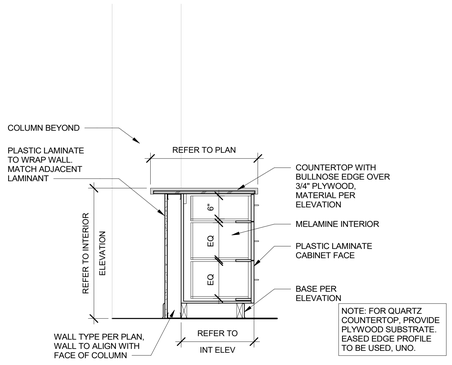


18A A5.25 CASEWORK SECTION - ISLAND
3/4" = 1'-0"



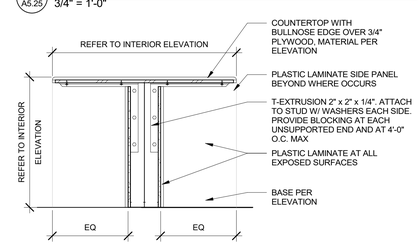
NOTE: FOR QUARTZ COUNTERTOP, PROVIDE PLYWOOD SUBSTRATE. EASED EDGE PROFILE TO BE USED, UNO.

16 A5.25 CASEWORK SECTION
3/4" = 1'-0"

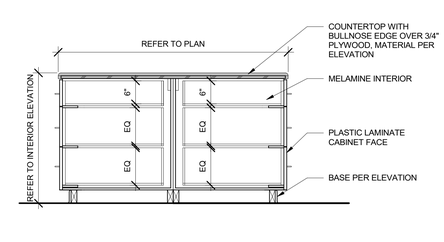


NOTE: FOR QUARTZ COUNTERTOP, PROVIDE PLYWOOD SUBSTRATE. EASED EDGE PROFILE TO BE USED, UNO.

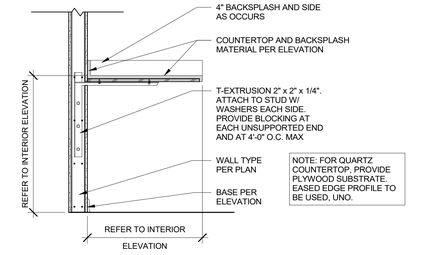
17 A5.25 CASEWORK SECTION - ISLAND
3/4" = 1'-0"



18B A5.25 CASEWORK SECTION - ISLAND
3/4" = 1'-0"



19 A5.25 CASEWORK SECTION - ISLAND
3/4" = 1'-0"



NOTE: FOR QUARTZ COUNTERTOP, PROVIDE PLYWOOD SUBSTRATE. EASED EDGE PROFILE TO BE USED, UNO.

20 A5.25 CASEWORK SECTION
3/4" = 1'-0"

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Planning ▪ Engineering

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Vancouver, WA
360.695.7879
Seattle, WA
206.749.9993

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Client

City of Puyallup

Project

Puyallup Public Safety Building
1015 39th Avenue SE, Puyallup, WA, 98374

11049 REGISTERED ARCHITECT
Brett Lee Harrison
STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
INTERIOR DETAILS - CASEWORK

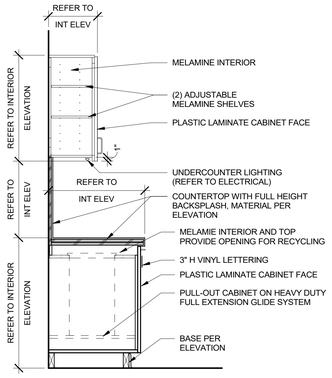
SHEET
A5.25

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



1 A5.26 CASEWORK SECTION
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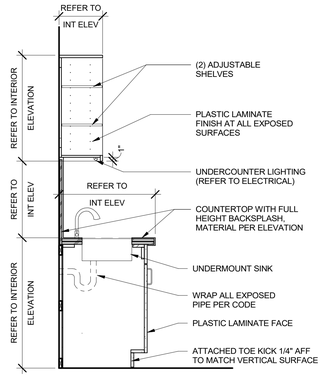

2 A5.26 CASEWORK SECTION
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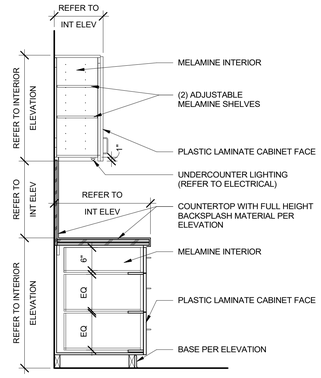

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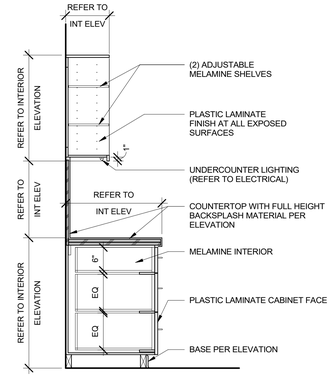

4 A5.26 CASEWORK SECTION
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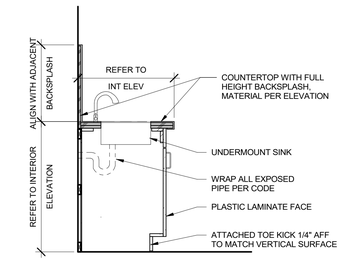
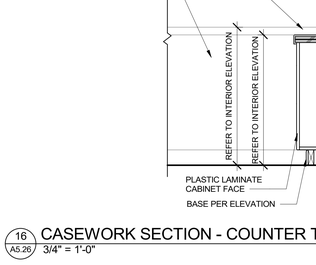


5 A5.26 CASEWORK SECTION
3/4" = 1'-0"



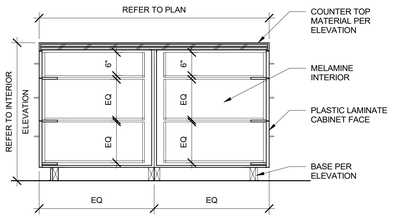
6 A5.26 CASEWORK SECTION
3/4" = 1'-0"

7 A5.26 CASEWORK SECTION
3/4" = 1'-0"

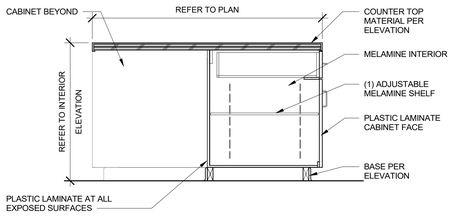
8 A5.26 CASEWORK SECTION
3/4" = 1'-0"

9 A5.26 CASEWORK SECTION
3/4" = 1'-0"

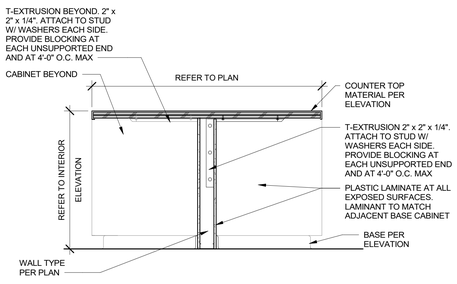
10 A5.26 CASEWORK SECTION
3/4" = 1'-0"



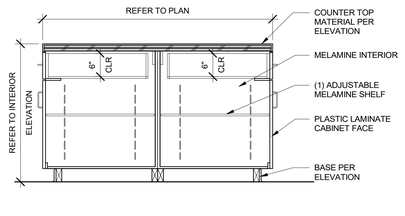
11 A5.26 CASEWORK SECTION - ISLAND
3/4" = 1'-0"



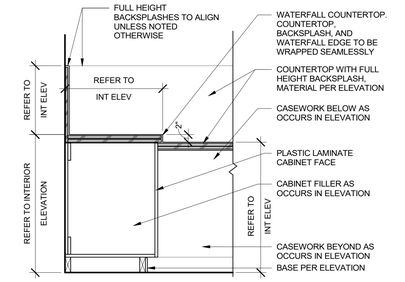
12 A5.26 CASEWORK SECTION - ISLAND
3/4" = 1'-0"



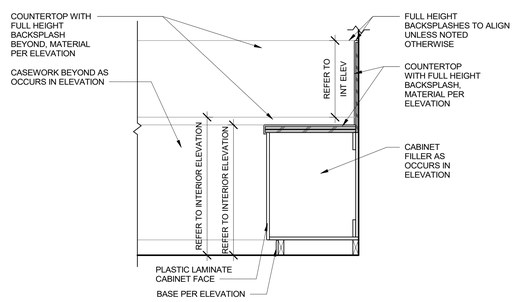
13 A5.26 CASEWORK SECTION - ISLAND
3/4" = 1'-0"



14 A5.26 CASEWORK SECTION - ISLAND
3/4" = 1'-0"



15 A5.26 CASEWORK SECTION - COUNTER TRANSITION
3/4" = 1'-0"



16 A5.26 CASEWORK SECTION - COUNTER TRANSITION
3/4" = 1'-0"

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Client

City of Puyallup

Project

Puyallup Public Safety Building
1015 39th Avenue SE, Puyallup, WA, 98374

11049 REGISTERED ARCHITECT BRETT L. HANSON STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date

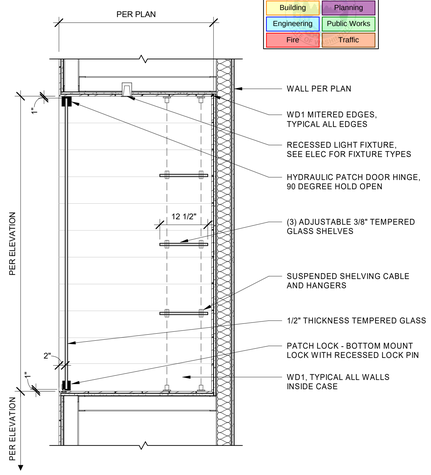
SHEET TITLE:
INTERIOR DETAILS - CASEWORK

SHEET
A5.26

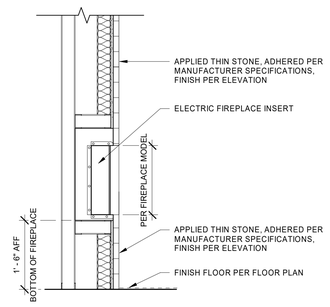
JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025

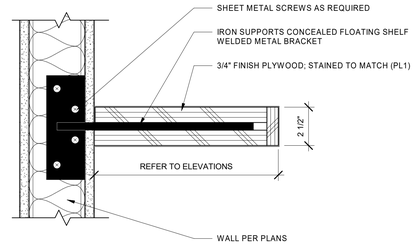
City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic



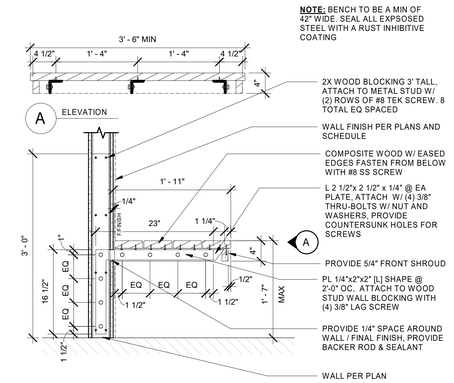
1 A5.27 CABINET SECTION - GLASS DISPLAY CASE
3/4" = 1'-0"



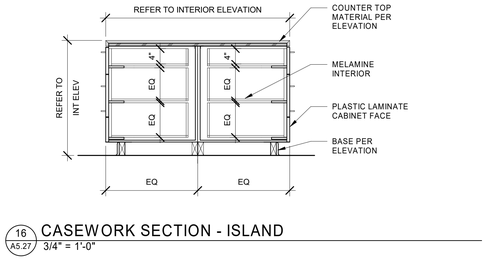
2 A5.27 CASEWORK SECTION - FIREPLACE
3/4" = 1'-0"



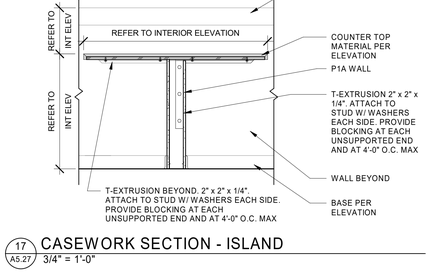
3 A5.27 CABINET SECTION - FLOATING SHELF
3" = 1'-0"



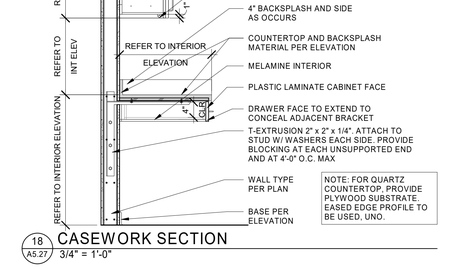
4 A5.27 COUNTER SECTION - RECESSED BRACKET
1" = 1'-0"



6 A5.27 CASEWORK SECTION - BENCH
1" = 1'-0"



7 A5.27 CASEWORK SECTION - BENCH
1" = 1'-0"



8 A5.27 LOBBY PAMPHLET DISPLAY
3" = 1'-0"

9 A5.27 LOBBY PAMPHLET DISPLAY
3" = 1'-0"

10 A5.27 PHOTO RAIL
3" = 1'-0"

11 A5.27 CASEWORK SECTION - TRANSACTION WINDOW
3/4" = 1'-0"

12 A5.27 CASEWORK SECTION - TRANSACTION WINDOW
3/4" = 1'-0"

13 A5.27 CASEWORK SECTION - TRANSACTION WINDOW
3/4" = 1'-0"

14 A5.27 CASEWORK SECTION - TRANSACTION WINDOW
3/4" = 1'-0"

15 A5.27 CASEWORK SECTION - TRANSACTION WINDOW
3/4" = 1'-0"

16 A5.27 CASEWORK SECTION - ISLAND
3/4" = 1'-0"

17 A5.27 CASEWORK SECTION - ISLAND
3/4" = 1'-0"

18 A5.27 CASEWORK SECTION
3/4" = 1'-0"

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STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
INTERIOR DETAILS - CASEWORK

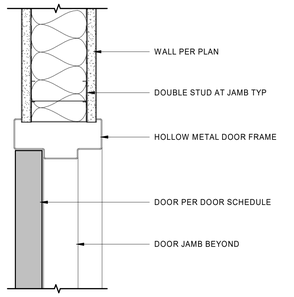
SHEET
A5.27

JOB NO. 2170269.07

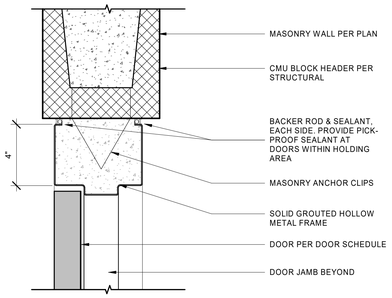
Permit/Bid Set 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

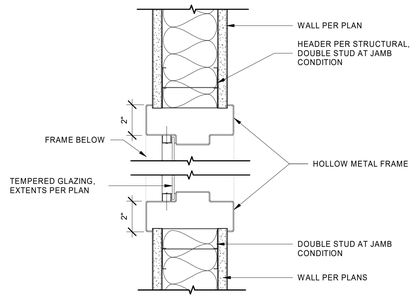
Building	Planning
Engineering	Public Works
Fire	Traffic



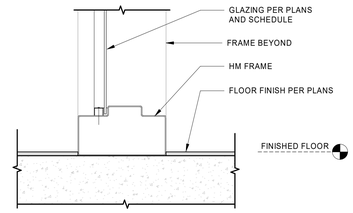
1 A5.28 TYPICAL HM DOOR HEAD (JAMB SIM)
3" = 1'-0"



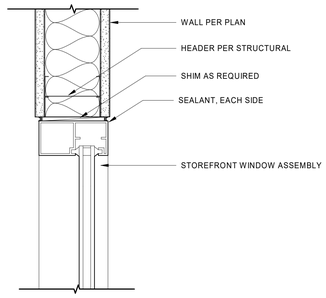
2 A5.28 HM DOOR HEAD @ CMU WALL (JAMB SIM)
3" = 1'-0"



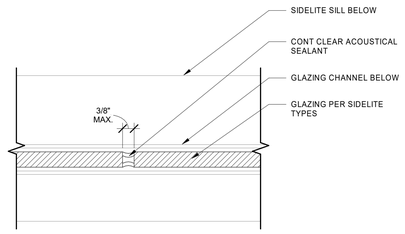
3 A5.28 HM SIDELITE JAMB (HEAD SIM)
3" = 1'-0"



4 A5.28 HM SIDELITE SILL
3" = 1'-0"

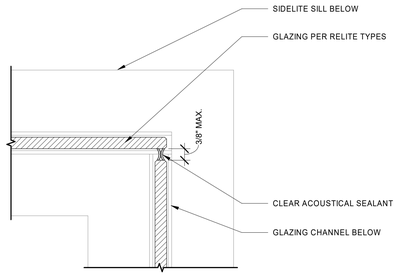


5 A5.28 TYP INTERIOR STOREFRONT HEAD (JAMB SIM)
3" = 1'-0"

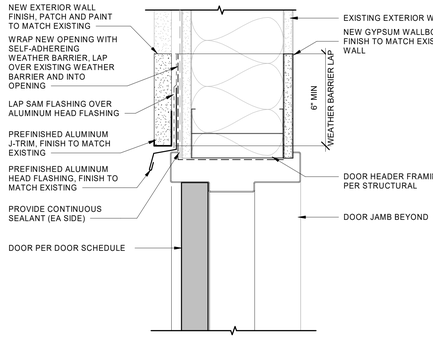


NOTE:
POLISH ALL EXPOSED GLASS EDGES

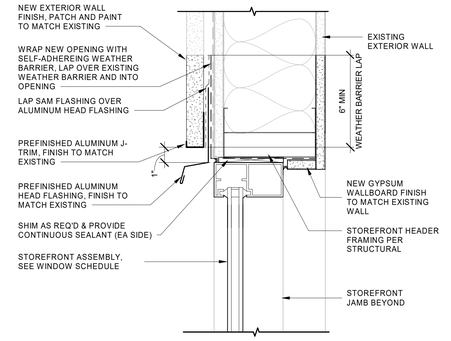
6 A5.28 GLASS BUTT JOINT
6" = 1'-0"



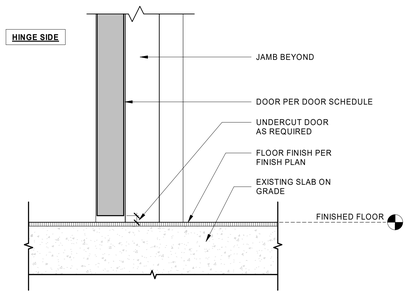
7 A5.28 GLAZING CORNER JOINT
6" = 1'-0"



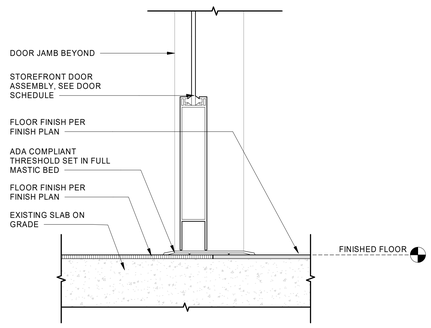
9 A5.28 EXTERIOR HM DOOR HEAD (JAMB SIM)
3" = 1'-0"



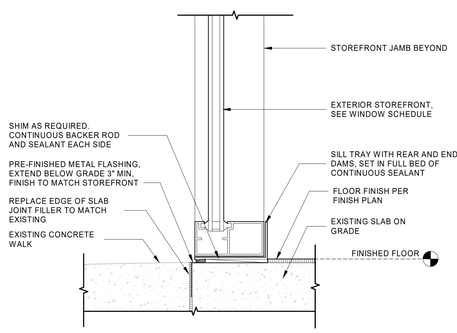
10 A5.28 EXTERIOR STOREFRONT HEAD (JAMB SIM)
3" = 1'-0"



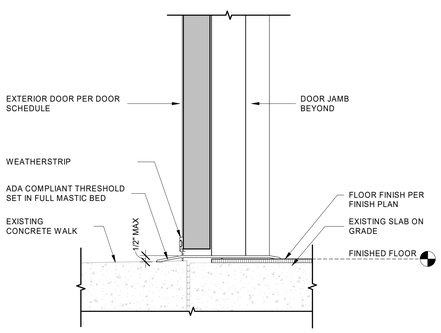
11 A5.28 TYP DOOR SILL
3" = 1'-0"



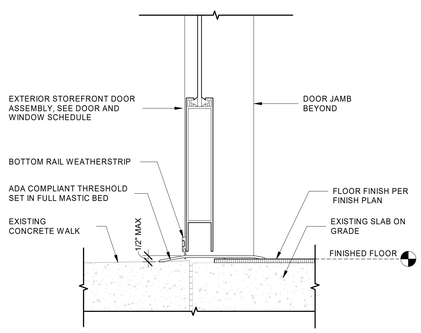
12 A5.28 INTERIOR STOREFRONT DOOR SILL
3" = 1'-0"



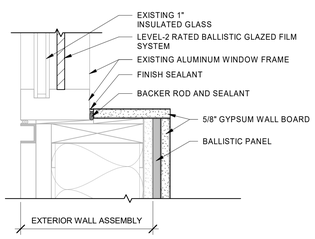
13 A5.28 EXTERIOR STOREFRONT SILL @ GRADE
3" = 1'-0"



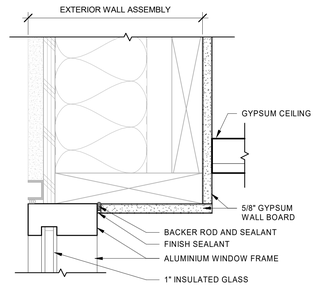
14 A5.28 EXTERIOR HM DOOR SILL
3" = 1'-0"



15 A5.28 EXTERIOR STOREFRONT DOOR SILL
3" = 1'-0"



16 A5.28 SILL DETAIL
3" = 1'-0"



17 A5.28 HEAD DETAIL
3" = 1'-0"

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Seattle, WA
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Client
City of Puyallup

Project
Puyallup Public Safety Building
1015 39th Avenue SE, Puyallup, WA, 98374

REGISTERED ARCHITECT
11049
BRETT L. HANSON
STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date

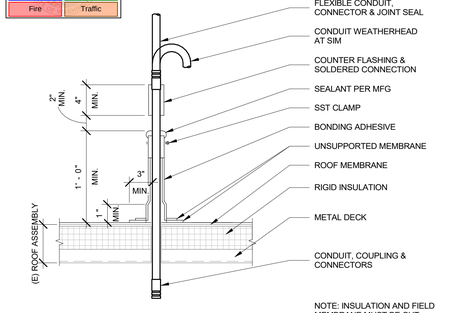
SHEET TITLE:
INTERIOR & EXTERIOR DETAILS - DOORS, WINDOWS, AND SIDELITES

SHEET
A5.28

JOB NO. **2170269.07**

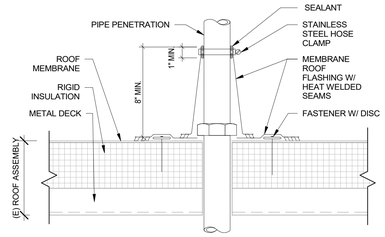
Permit/Bid Set 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

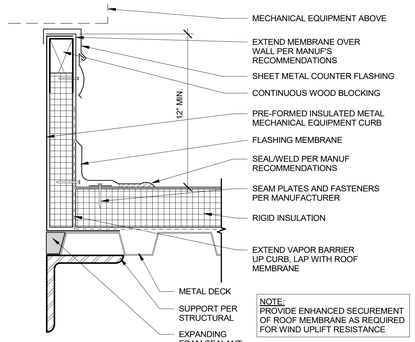


NOTE: INSULATION AND FIELD MEMBRANE MUST BE CUT TIGHTLY AROUND THE PIPE BASE

1 A5.29 ELECTRICAL CONDUIT PENETRATION @ ROOF
1 1/2" = 1'-0"

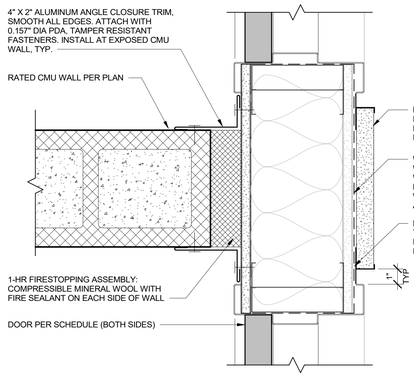


2 A5.29 PIPE PENETRATION @ ROOF
3" = 1'-0"

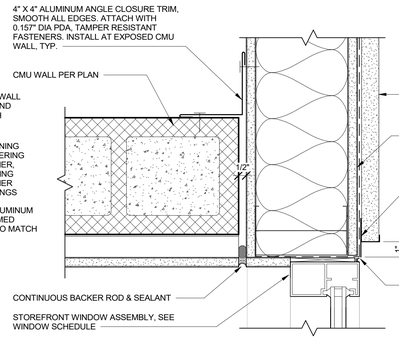


NOTE:
PROVIDE ENHANCED SECUREMENT OF ROOF MEMBRANE AS REQUIRED FOR WIND UPLIFT RESISTANCE

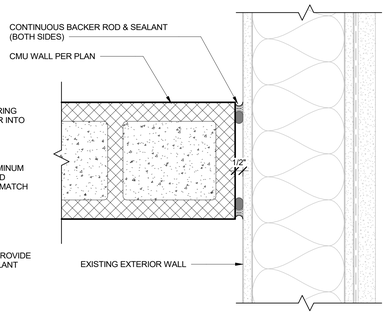
3 A5.29 MECHANICAL CURB DETAIL
3" = 1'-0"



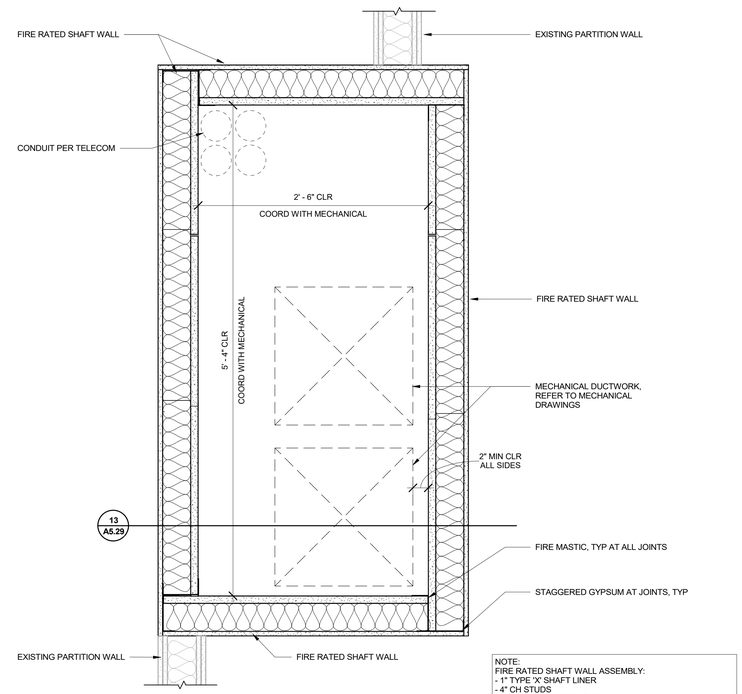
6 A5.29 RATED CMU WALL TO EXTERIOR WALL
3" = 1'-0"



7 A5.29 NON-RATED CMU WALL TO EXTERIOR WALL
3" = 1'-0"



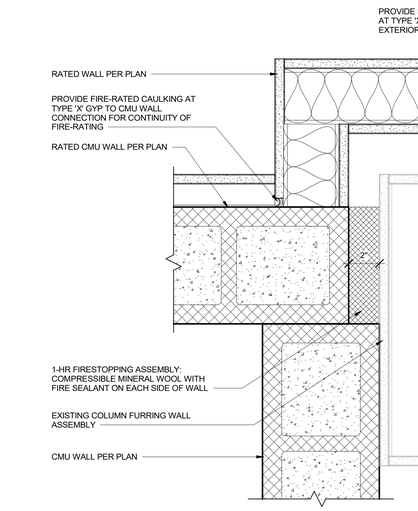
8 A5.29 NON-RATED CMU WALL TO EXTERIOR WALL
3" = 1'-0"



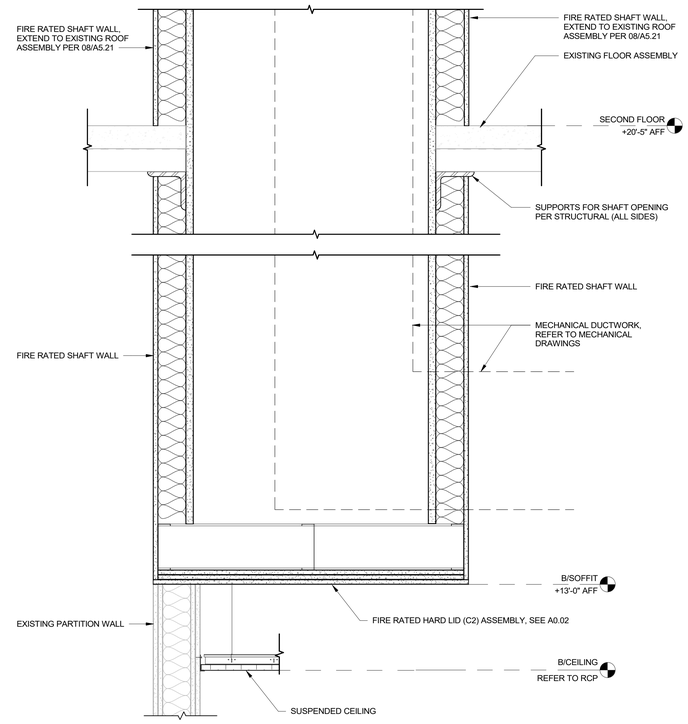
NOTE:
FIRE RATED SHAFT WALL ASSEMBLY:
- 1" TYPE 'X' SHAFT LINER
- 4" CH STUDS
- SOUND BATT INSULATION
- 5/8" TYPE 'X' GYPSUM WALLBOARD

ASSEMBLY TO MEET 1 HOUR FIRE RATING UL DESIGN 415

4 A5.29 FIRE RATED MECHANICAL SHAFT DETAIL - PLAN (ABOVE 13'-0" AFF)
1 1/2" = 1'-0"



11 A5.29 RATED CMU WALL TO EXTERIOR WALL
3" = 1'-0"



13 A5.29 FIRE RATED MECHANICAL SHAFT DETAIL - SECTION
1 1/2" = 1'-0"

ADD A101

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Client
MACKENZIE.

City of Puyallup

Project
Puyallup Public Safety Building
1015 39th Avenue SE,
Puyallup, WA, 98374

11049 REGISTERED ARCHITECT
Brent Lee Harrison
STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
INTERIOR & EXTERIOR DETAILS - MISC

SHEET
A5.29

JOB NO. 2170269.07

Permit/Bid Set 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning | Engineering | Public Works | Fire | Traffic

DOOR SCHEDULE - A SERIES

DOOR	DOOR WIDTH	DOOR HEIGHT	DOOR THK	DOOR TYPE	DOOR MAT'L	DOOR FINISH	FRAME TYPE	FRAME MAT'L	FRAME FINISH	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	HDWR GROUP	ACOUSTIC	BALLISTIC	FIRE RATING	CARD READER	COMMENTS
A1000a	6' - 0"	8' - 0"	1 3/4"	E	AL/GL	GL/FF	SF	AL	FF	10/A5.28	10/A5.28 SIM	15/A5.28	14				•	
A1000b	6' - 0"	8' - 1"	1 3/4"	E	AL/GL	GL/FF	SF	AL	FF	06/A5.28	06/A5.28 SIM	12/A5.28	15				•	
A1002	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	11	•				
A1003	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	11	•				
A1004a	3' - 0"	8' - 0"	1 3/4"	D	AL/GL	GL/FF	SF	AL	FF	06/A5.28	06/A5.28 SIM	12/A5.28	08				•	
A1004b	3' - 0"	8' - 0"	1 3/4"	D	AL/GL	GL/FF	SF	AL	FF	06/A5.28	06/A5.28 SIM	12/A5.28	08				•	
A1004c	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	29				•	
A1005	3' - 6"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	05					
A1007a	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	08		•		•	
A1007b	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	04				•	
A1008a	3' - 6"	8' - 0"	1 3/4"	B1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	05					
A1008b	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	04				•	
A1008c	3' - 6"	8' - 0"	1 3/4"	B1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	04				•	
A1009	3' - 6"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	05					
A1010	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	29				•	
A1011a	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	03		•			
A1011b	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	04				•	
A1012	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	04				•	
A1013	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1014	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	03					
A1015	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	16				•	
A1016	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	16				•	
A1017	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1018	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1019a	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	29				•	
A1019b	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	09					
A1020	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	10.1	•				
A1021	3' - 0"	8' - 0"	1 3/4"	B1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	10	•				
A1023	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	03/A5.28	11/A5.28	02					
A1024	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1025	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1026	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1027	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	03					
A1028a	3' - 6"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	04				•	
A1028b	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	03					
A1029	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	03					
A1032	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1033	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1034	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1035	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1036	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1037	3' - 0"	8' - 0"	1 3/4"	D	AL/GL	GL/FF	SF	AL	FF	10/A5.28	10/A5.28 SIM	15/A5.28	17					
A1038a	3' - 0"	8' - 0"	1 3/4"	C	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	05					
A1038b	3' - 0"	8' - 0"	1 3/4"	C	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	05					
A1039	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1040	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	03					
A1041	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	03					
A1042	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	05					
A1043	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1044	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1045	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1046	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1047	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1048	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1049	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1050	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1051	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1052	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1053	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1054	3' - 0"	8' - 0"	1 3/4"	C	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	05					
A1055	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	03					
A1057	3' - 0"	8' - 0"	1 3/4"	C	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	06					
A1058	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	05					
A1059	3' - 0"	8' - 0"	1 3/4"	C	SC	S	HM	STL	P	01/A5.28	03/A5.28	11/A5.28	01					
A1060	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	05					
A1063	3' - 0"	8' - 0"	1 3/4"	C	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	05					
A1064	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	02					
A1065a	3' - 0"	8' - 0"	1 3/4"	C	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	06.3				•	
A1065b	3' - 0"	8' - 0"	1 3/4"	B2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	06					
A1066	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	06.1				•	
A1067	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	06.1				•	
A1068	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	06.1				•	
A1069	3' - 0"	8' - 0"	1 3/4"	C	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	06.1				•	
A1070	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	02					
A1071	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	04				•	
A1072	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	02					
A1074	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	04				•	
A1075	3' - 0"	8' - 0"	1 3/4"	C	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	06.2				•	
A1076	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	04				•	
A1077	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	06				•	
A1079	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					

DOOR SCHEDULE - A SERIES

DOOR	DOOR WIDTH	DOOR HEIGHT	DOOR THK	DOOR TYPE	DOOR MAT'L	DOOR FINISH	FRAME TYPE	FRAME MAT'L	FRAME FINISH	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	HDWR GROUP	ACOUSTIC	BALLISTIC	FIRE RATING	CARD READER	COMMENTS
A1080	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1081	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1082	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1083	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1084	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1085	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	03					
A1086	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1087	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
A1088	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	04					
A1089	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	12	•				
A1090	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	13	•				
A1091	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	13	•				
A1092	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	13	•				
A1098a	3' - 6"	8' - 0"	1 3/4"	D	AL/GL	GL/FF	SF	AL	FF	10/A5.28	10/A5.28 SIM	15/A5.28	18				•	
A1098b	3' - 6"	8' - 0"	1 3/4"	D	AL/GL	GL/FF	SF	AL	FF	06/A5.28	06/A5.28 SIM	12/A5.28	21					
A1100	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	28	•			•	
A1101	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	28	•			•	
A1103a	3' - 0"	7' - 0"	1 3/4"	A2	HM	P	HM	STL	P	09/A5.28	09/A5.28 SIM	14/A5.28	26				•	
A1103b	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	02/A5.28	02/A5.28 SIM	11/A5.28	27			45 MIN	•	
A1104	3' - 0"	8' - 0"	1 3/4"	G	DHM	P	DHM	STL	P	02/A5.28	02/A5.28 SIM	11/A5.28	23				•	
A1105	3' - 0"	8' - 0"	1 3/4"	G	DHM	P	DHM	STL	P	02/A5.28	02/A5.28 SIM	11/A5.28	23				•	
A1106	3' - 0"	8' - 0"	1 3/4"	G	DHM	P	DHM	STL	P	02/A5.28	02/A5.28 SIM	11/A5.28	24				•	
A1107	3' - 0"	7' - 0"	1 3/4"	A2	HM	P	HM	STL	P	09/A5.28	09/A5.28 SIM	14/A5.28	22				•	
A1108	3' - 0"	8' - 0"	1 3/4"	F	CHLINK	FF	STL	STL	P	PER SPEC	PER SPEC	PER SPEC	19					3
A1109	3' - 0"	8' - 0"	1 3/4"	F	CHLINK	FF	STL	STL	P	PER SPEC	PER SPEC	PER SPEC	19					3
A1110	3' - 6"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	02/A5.28	02/A5.28 SIM	11/A5.28	20				•	
A1111	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	05					
A1112	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	02/A5.28	02/A5.28 SIM	11/A5.28	04.2				•	
A1113	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	03					
A1114a	3' - 0"	8' - 0"	1 3/4"	C	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	09					
A1114b	3' - 6"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	32					
A1115	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	03					
A1116a	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	04				•	
A1116b	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	04				•	
A1118	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	04				•	
A1119	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	05					
A1120	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	04				•	
A1123	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	03/A5.28	11/A5.28	03					
A1124	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	03/A5.28	11/A5.28	03					
A1125a	3' - 6"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	04		•		•	
A1125b	3' - 6"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	04.2					
A1126	4' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	04				•	
A1127a	3' - 6"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	09/A5.28	09/A5.28 SIM	14/A5.28	22				•	
A1127b	3' - 6"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	04				•	
A1127c	3' - 6"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	25					
A1127d	3' - 6"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	25					
A1127e	3' - 6"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	25					
A1128	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	05					
A1131	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	07				•	
A1132	3' - 6"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	04			45 MIN	•	
A1133	3' - 6"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	09/A5.28	09/A5.28 SIM	14/A5.28	30				•	

DOOR SCHEDULE - B SERIES

DOOR	DOOR WIDTH	DOOR HEIGHT	DOOR THK	DOOR TYPE	DOOR MAT'L	DOOR FINISH	FRAME TYPE	FRAME MAT'L	FRAME FINISH	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	HDWR GROUP	ACOUSTIC	BALLISTIC	FIRE RATING	CARD READER	COMMENTS
B1000	6' - 0"	8' - 0"	1 3/4"	I	SC	S	HM	EXIST	EXIST	EXIST	EXIST	EXIST	31				•	
B1001	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
B1002	3' - 6"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
B1005	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
B1006	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
B1007	3' - 0"	8' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
B1008	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	01					
B1009	3' - 0"	8' - 0"	1 3/4"	A2	HM	P	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	04				•	

DOOR SCHEDULE - C SERIES

DOOR	DOOR WIDTH	DOOR HEIGHT	DOOR THK	DOOR TYPE	DOOR MAT'L	DOOR FINISH	FRAME TYPE	FRAME MAT'L	FRAME FINISH	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	HDWR GROUP	ACOUSTIC	BALLISTIC	FIRE RATING	CARD READER	COMMENTS
C114	3' - 0"	8' - 0"	1 3/4"	A2	EXIST	EXIST	HM	EXIST	EXIST	EXIST	EXIST	EXIST	17.1				•	
C115	3' - 0"	7' - 0"	1 3/4"	A1	SC	S	HM	STL	P	01/A5.28	01/A5.28 SIM	11/A5.28	22				•	

DOOR SCHEDULE - SITE

DOOR	DOOR WIDTH	DOOR HEIGHT	DOOR THK	DOOR TYPE	DOOR MAT'L	DOOR FINISH	FRAME TYPE	FRAME MAT'L	FRAME FINISH	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	HDWR GROUP	ACOUSTIC	BALLISTIC	FIRE RATING	CARD READER	COMMENTS
PG01	3' - 0"	7' - 0"	1 3/4"	H	STL	FF	STL	STL	FF	PER SPEC	PER SPEC	PER SPEC					•	2
PG02	3' - 0"	7' - 0"	1 3/4"	H	STL	FF	STL	STL	FF	PER SPEC	PER SPEC	PER SPEC					•	2

DOOR SCHEDULE – GENERAL NOTES

A. REFER TO OVERALL FLOOR PLANS FOR DOOR AND WINDOW LOCATIONS.
B. ALL DOOR HARDWARE TO CONFORM WITH ADA STANDARDS.
C. PROVIDE GASKETING, WEATHERSTRIPPING OR SEALING FOR ALL DOORS AND ACCESS OPENINGS TO SHAFTS, CHUTES, STAIRWAYS AND ELEVATOR LOBBIES. EXCEPTION: NOT REQUIRED FOR DOORS THAT ARE FIRE RATED PER IBC 716.
D. REFER TO SPECIFICATIONS FOR ADDITIONAL HARDWARE INFORMATION.
E. PAINT DOOR AND FRAME P4, UNLESS OTHERWISE NOTED.

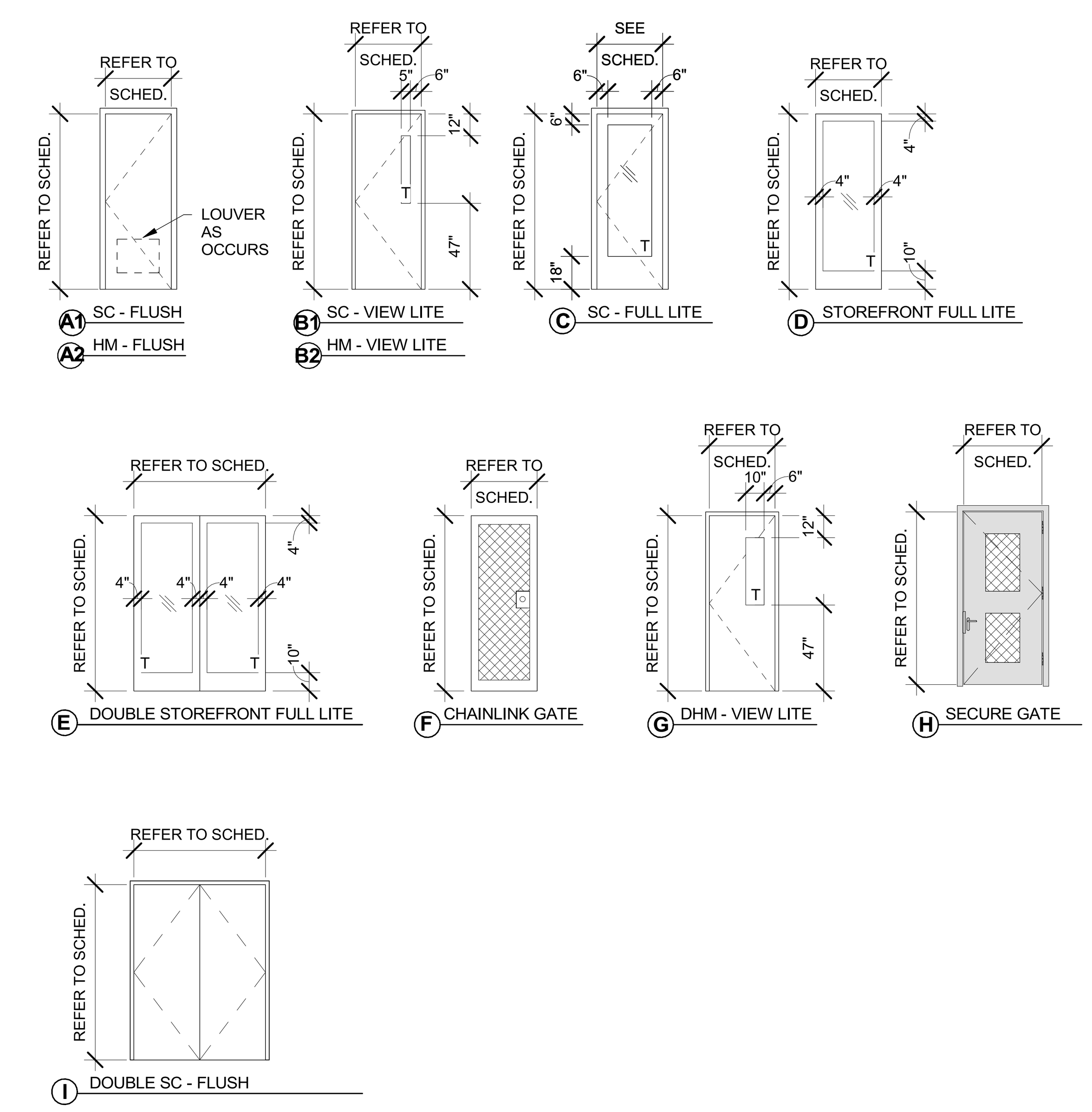
DOOR ABBREVIATIONS

FF	FACTORY FINISH	CHLINK	CHAINLINK
GL	GLAZED	EXIST	EXISTING
HM	HOLLOW METAL		
DHM	DETENTION HOLLOW METAL		
P	PAINT		
S	STAIN		
SC	SOLID CORE WOOD		
SF	STOREFRONT		
STL	STEEL		
T	TEMPERED GLASS		
AL	ALUMINUM		

DOOR SCHEDULE COMMENTS

1. FUTURE CARD READER LOCATION - PROVIDE WIRING AND CAP AT LOCATION.
2. SECURE GATE HARDWARE PER GATE SPECIFICATIONS.
3. PROVIDE HANDLE-GUARD FOR CHAINLINK GATE HANDLES (BOTH SIDES), COORDINATE WITH CHAINLINK GATE MNFR.

DOOR TYPES



EXTERIOR WINDOW SCHEDULE – GENERAL NOTES

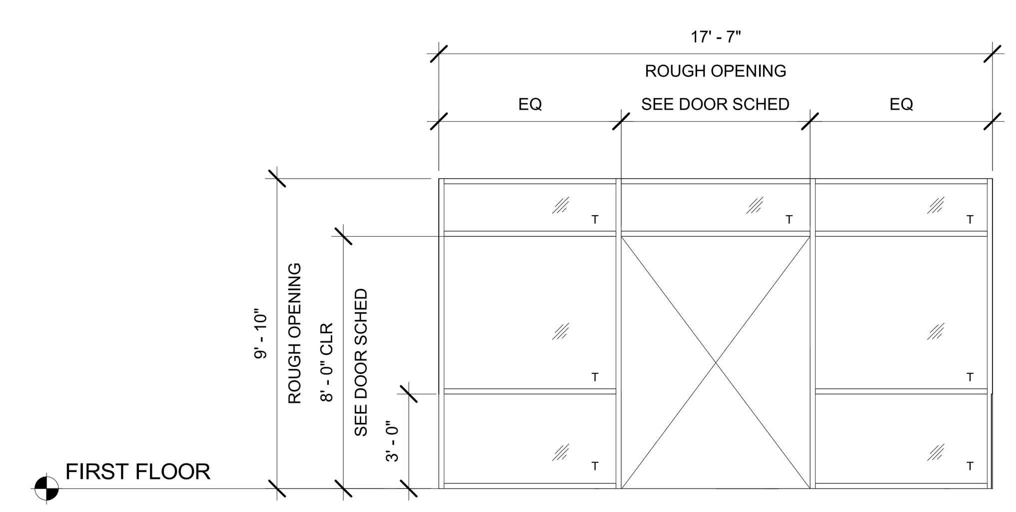
A. ALL EXTERIOR WINDOWS TO BE INSULATED GLASS UNITS, UNO.
B. ALL EXTERIOR GLAZING WITHIN DOORS AND ADJACENT TO DOORS TO BE TEMPERED.

LEGEND

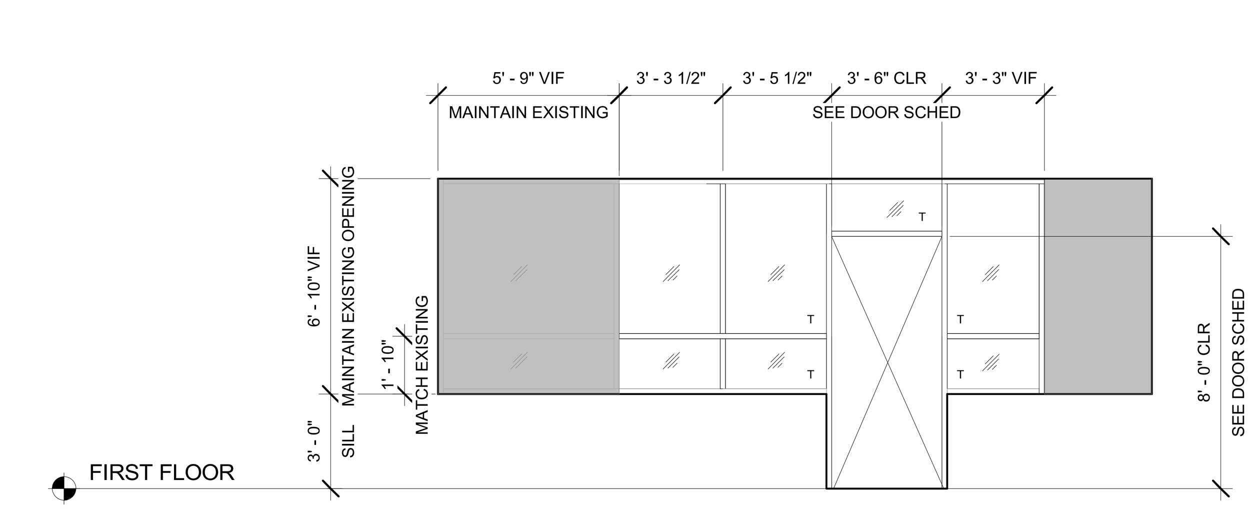
1 — INTERIOR WINDOW TYPE – SEE FLOOR PLANS FOR LOCATIONS

A — EXTERIOR WINDOW TYPE – SEE ELEVATIONS FOR LOCATIONS

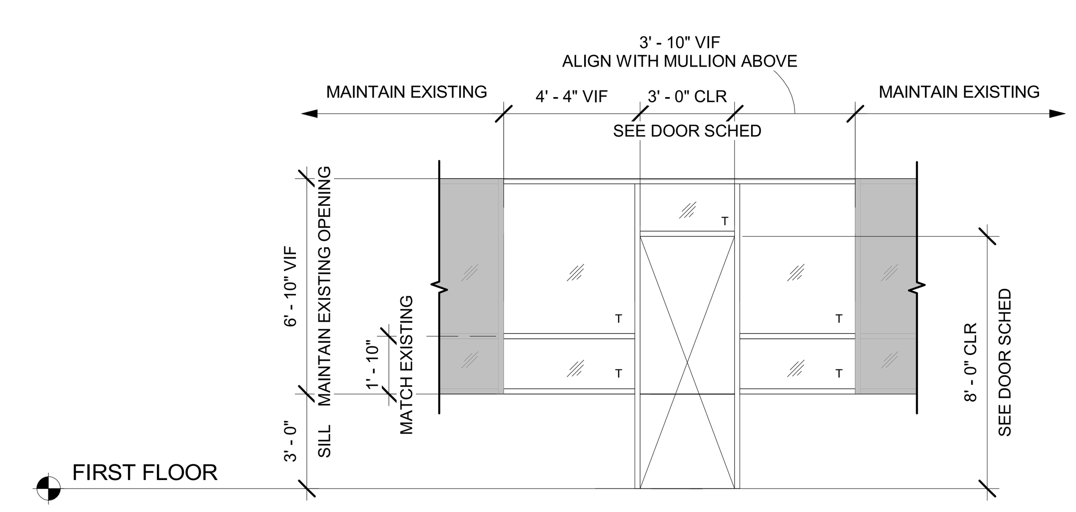
T — TEMPERED GLAZING



2 A6.10 A - PUBLIC ENTRY
1/4" = 1'-0"



1 A6.10 B - OFFICER ENTRY
1/4" = 1'-0"



3 A6.10 C - OPERATIONS / PATROL EXIT
1/4" = 1'-0"

Architecture ▪ Interiors
Planning ▪ Engineering

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Seattle, WA 206.749.9993

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Client

City of Puyallup

Project

Puyallup Public Safety Building
1015 39th Avenue SE, Puyallup, WA, 98374

11049 REGISTERED ARCHITECT
Brett Lee Hanson
STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025
B	Plan Check Response 1	04/09/2025

SHEET TITLE:
DOOR & EXTERIOR WINDOW SCHEDULES

SHEET
A6.10

JOB NO. 2170269.07

Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/26907-PPSB Benaroya-V23-A.rvt 4/8/2025 3:05:45 PM As indicated

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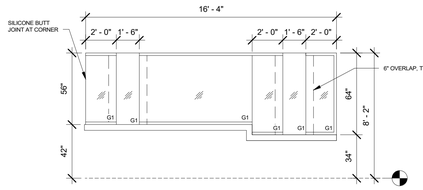
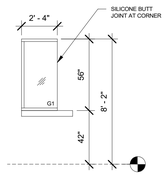
Engineering	Public Works
Fire	Traffic



1A TRANSACTION WINDOW



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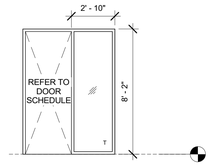
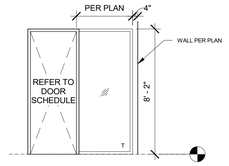


2 HM SIDELITE



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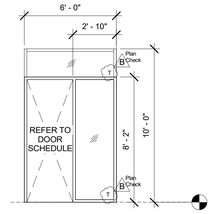
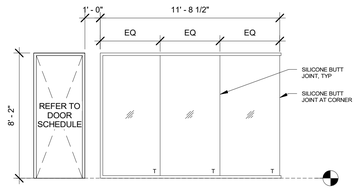
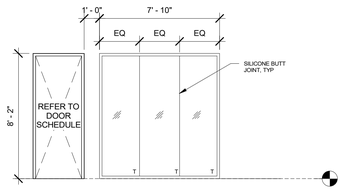


4 INTERIOR STOREFRONT



5 HM SIDELITE



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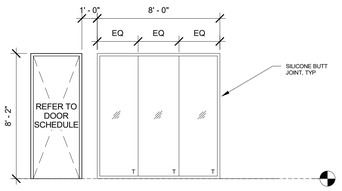

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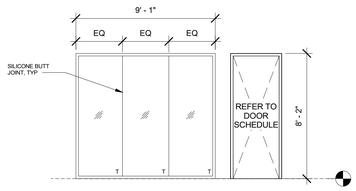

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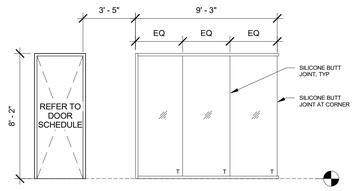

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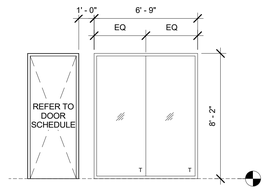

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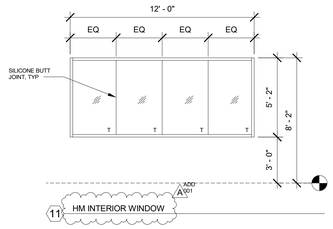
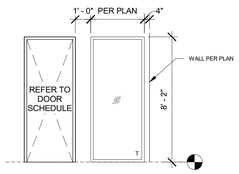


11 HM INTERIOR WINDOW



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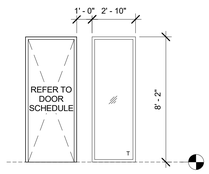
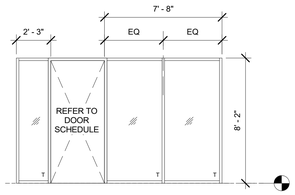
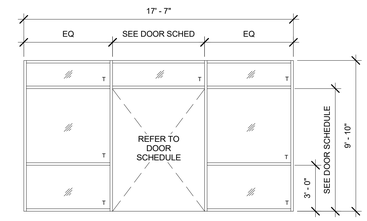


13 HM SIDELITE



14 INTERIOR STOREFRONT



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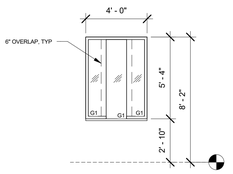
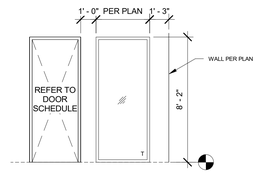


16 TRANSACTION WINDOW



17 HM SIDELITE

GENERAL NOTES

A. REFER TO FLOOR PLANS FOR DOOR AND WINDOW LOCATIONS.
B. ALL GLAZING IN RATED DOOR OR WALL ASSEMBLY TO BE FIRE RATED.
C. REFER TO SHEET A5.28 FOR DOOR AND SIDELIGHT DETAILS.
D. ANY TYPE 3 INTERIOR WINDOWS TO END 4" FROM ADJACENT WALL, UNLESS NOTED OTHERWISE.
E. ANY TYPE 12 INTERIOR WINDOWS TO END 4" FROM ADJACENT WALL, UNLESS NOTED OTHERWISE.

GLAZING TYPES

T TEMPERED
G1 BALLISTIC
G2 FIRE RESISTANCE RATED

INTERIOR WINDOW SCHEDULE

1/4" = 1'-0"

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Project
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Puyallup, WA, 98374

11049 REGISTERED ARCHITECT
Brett Lee Hanson
STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025
B	Plan Check Response 1	04/09/2025

SHEET TITLE:
INTERIOR WINDOW SCHEDULE

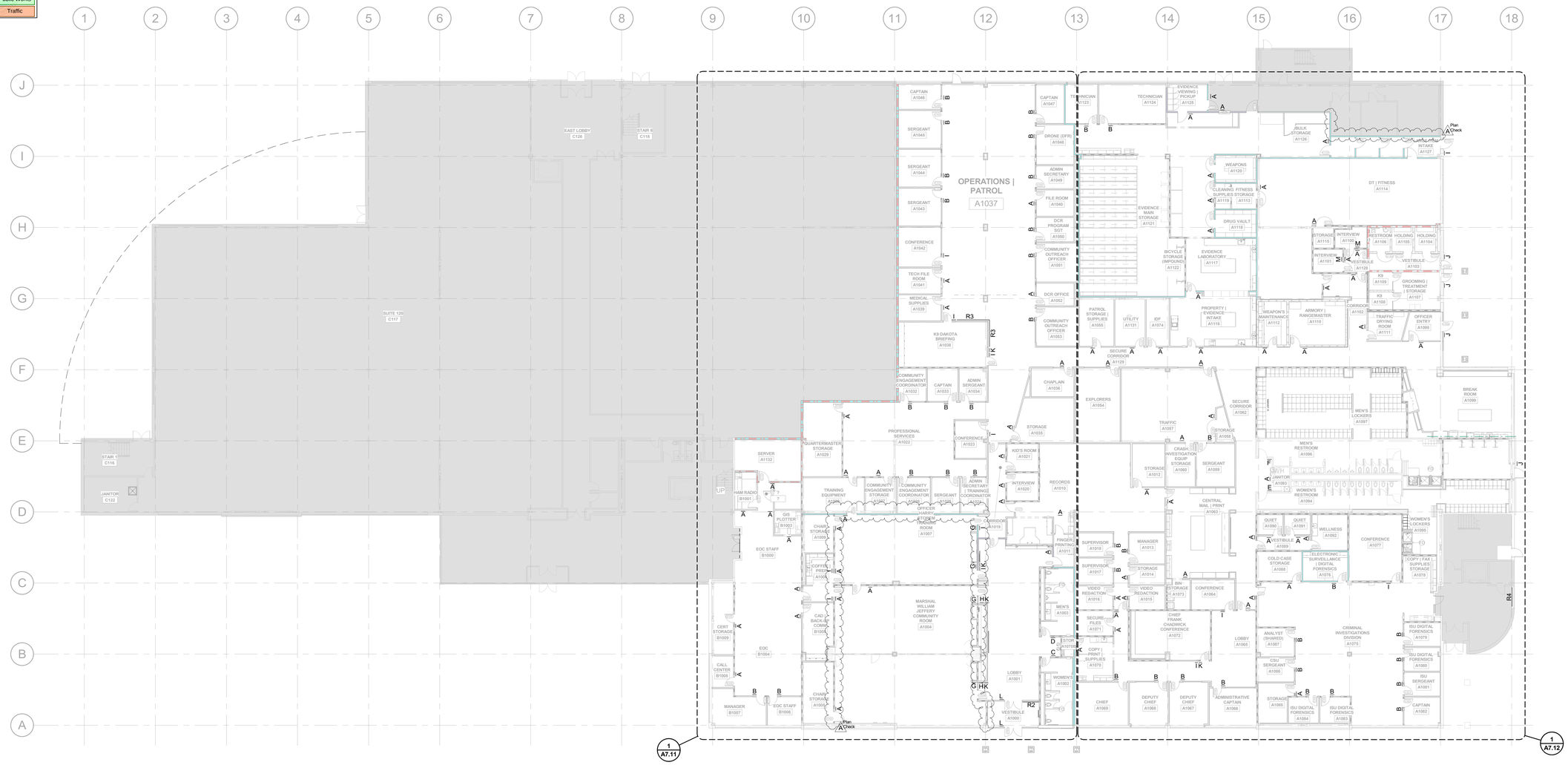
SHEET
A6.11

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



1 A7.10 OVERALL FIRST FLOOR SIGNAGE PLAN
1/16" = 1'-0"

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REVISION SCHEDULE

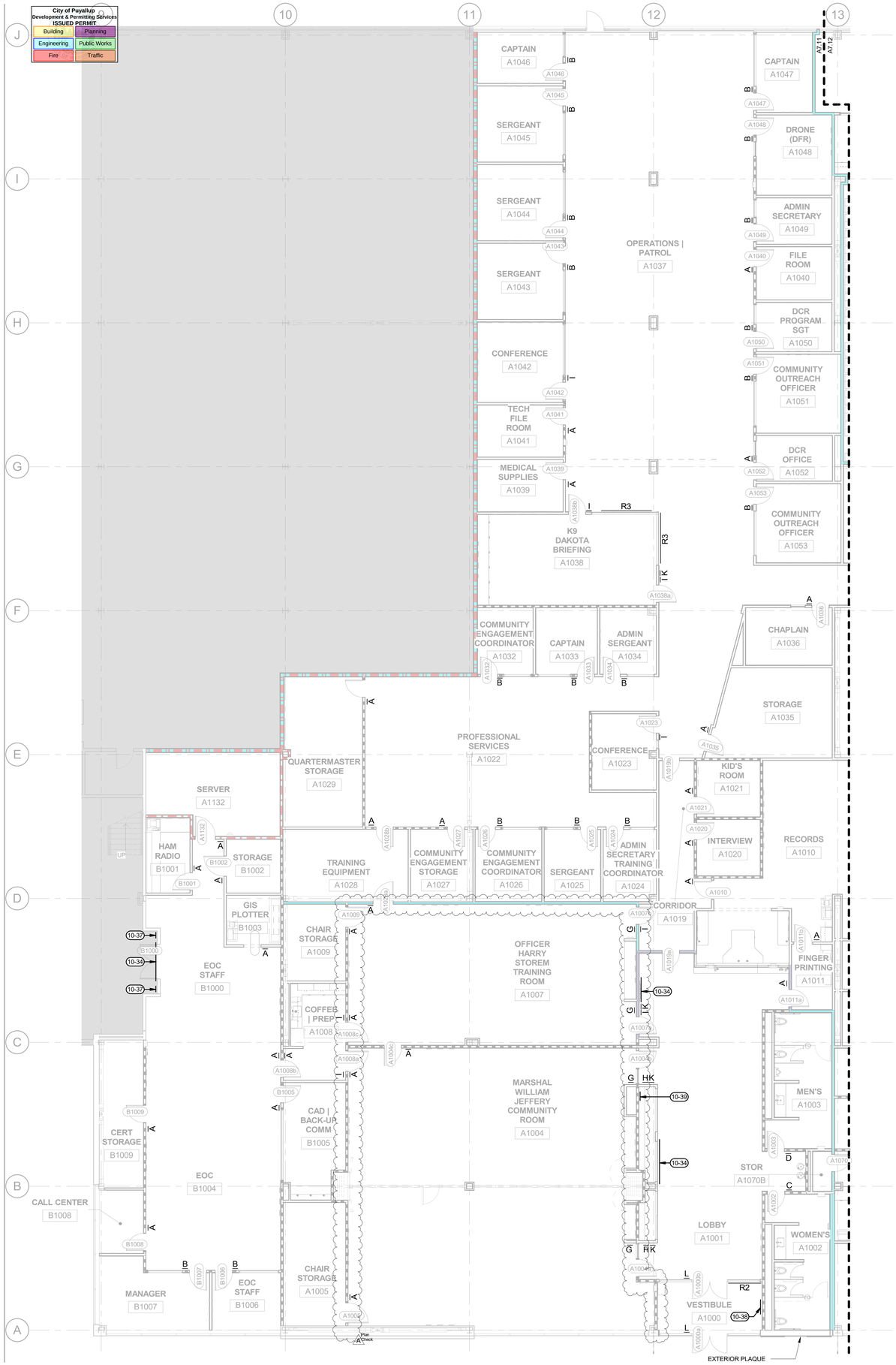
Delta	Issued As	Issue Date
A	Plan Check Response 1	04/09/2025

SHEET TITLE:
OVERALL FIRST FLOOR SIGNAGE PLAN

SHEET
A7.10

JOB NO. 2170269.07

Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/26907-PPSB Benaroya-V23-A.rvt 4/8/2025 3:05:59 PM 1/16" = 1'-0"



GENERAL NOTES

A. REFER TO SHEET A7/13 FOR SCHEDULE OF INTERIOR SIGNAGE.
B. REFER TO SHEET A7/14 FOR SIGNAGE TYPES.
C. ALL INTERIOR OFFICE RELITES TO RECEIVE FROSTED FILM (WF1) TO 30" AFF, UNLESS OTHERWISE NOTED.

KEYNOTES

10-34 LARGE SIGNAGE LETTERING. REFER TO INTERIOR ELEVATION FOR MOUNTING LOCATION
10-37 GLASS ETCHED LOGO. REFER TO INTERIOR ELEVATION FOR MOUNTING LOCATION
10-38 DEDICATION PLAQUE. REFER TO INTERIOR ELEVATION FOR MOUNTING LOCATION
10-39 TIME CAPSULE PLAQUE. COORDINATE MOUNTING LOCATION UPON INSTALLATION

KEY PLAN

1 / A7.11 PARTIAL FIRST FLOOR SIGNAGE PLAN - AREA A
1/8" = 1'-0"

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REVISION SCHEDULE

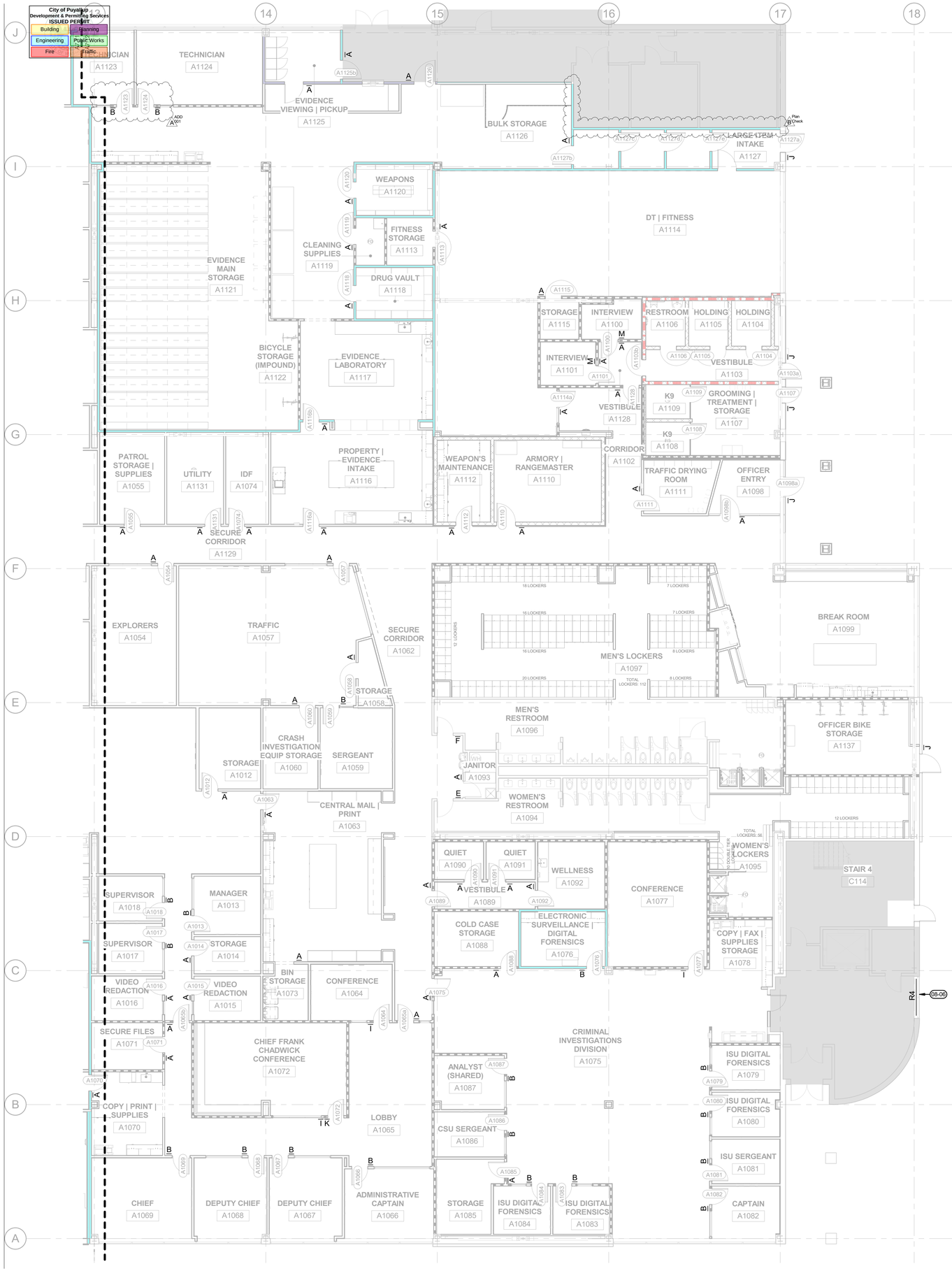
Delta	Issued As	Issue Date
A	Plan Check Response 1	04/09/2025

SHEET TITLE:
PARTIAL FIRST FLOOR SIGNAGE PLAN - AREA A

SHEET
A7.11

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/26907-PPSB Benaroya-V23-A.rvt 4/8/2025 3:06:06 PM As Indicated

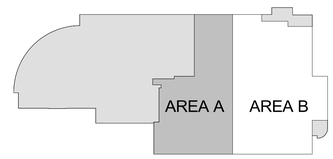


1 A7.12 PARTIAL FIRST FLOOR SIGNAGE PLAN - AREA B
1/8" = 1'-0"

GENERAL NOTES

A. REFER TO SHEET A7/13 FOR SCHEDULE OF INTERIOR SIGNAGE.
B. REFER TO SHEET A7/14 FOR SIGNAGE TYPES.
C. ALL INTERIOR OFFICE RELITES TO RECEIVE FROSTED FILM (WF1) TO 30" AFF, UNLESS OTHERWISE NOTED.

KEY PLAN



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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025
B	Plan Check Response 1	04/09/2025

SHEET TITLE:
PARTIAL FIRST FLOOR SIGNAGE PLAN - AREA B

SHEET
A7.12

JOB NO. 2170269.07

Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/26907-PPSB Benaroya-V23-A.rvt 4/8/2025 3:06:15 PM As indicated

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

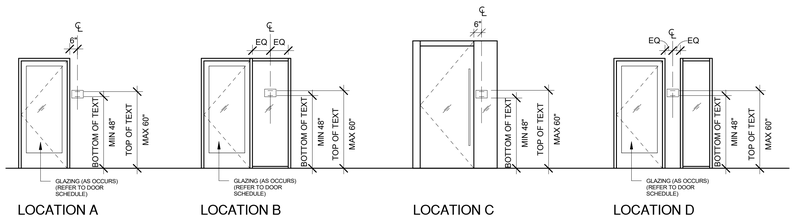
SIGNAGE SCHEDULE - A SERIES

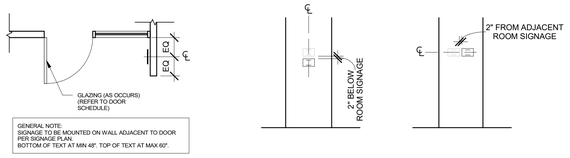
DOOR	ROOM NAME	SIGN MESSAGE		SIGN TYPE	MOUNTING LOCATION
		PULL SIDE	PUSH SIDE		
A1000a	VESTIBULE	--	EXIT TO OUTSIDE	L	C
A1000b	VESTIBULE	--	EXIT TO OUTSIDE	L	C
A1002	MEN'S	--	MEN'S	D	A
A1003	WOMEN'S	--	WOMEN'S	C	A
N/A	MARSHAL WILLIAM JEFFREY COMMUNITY ROOM	MARSHAL WILLIAM JEFFREY COMMUNITY ROOM	--	03/A7.13	REFER TO INTERIOR ELEVATION
A1004a	MARSHAL WILLIAM JEFFREY COMMUNITY ROOM	MARSHAL WILLIAM JEFFREY COMMUNITY ROOM	MAXIMUM OCCUPANCY	H | G	E
A1004a	MARSHAL WILLIAM JEFFREY COMMUNITY ROOM	TEXT TO BE PROVIDED BY PD	--	K	G
A1004b	MARSHAL WILLIAM JEFFREY COMMUNITY ROOM	MARSHAL WILLIAM JEFFREY COMMUNITY ROOM	MAXIMUM OCCUPANCY	H | G	E
A1004b	MARSHAL WILLIAM JEFFREY COMMUNITY ROOM	TEXT TO BE PROVIDED BY PD	--	K	G
A10004c	OFFICER HARRY STOREM TRAINING ROOM	OFFICER HARRY STOREM TRAINING ROOM	--	A	A
A1005	CHAIR STORAGE	--	STORAGE	A	A
N/A	OFFICER HARRY STOREM TRAINING ROOM	OFFICER HARRY STOREM TRAINING ROOM	--	03/A7.13	REFER TO INTERIOR ELEVATION
A1007a	OFFICER HARRY STOREM TRAINING ROOM	TEXT TO BE PROVIDED BY PD	--	K	G
A1007a	OFFICER HARRY STOREM TRAINING ROOM	OFFICER HARRY STOREM TRAINING ROOM	MAXIMUM OCCUPANCY	I | G	A
A1007b	OFFICER HARRY STOREM TRAINING ROOM	OFFICER HARRY STOREM TRAINING ROOM	MAXIMUM OCCUPANCY	I | G	A
A1008a	COFFEE | PREP	BREAK ROOM	COMMUNITY ROOM	A | I	A
A1008b	COFFEE | PREP	EOC	BREAK ROOM	A	A
A1008c	COFFEE | PREP	BREAK ROOM	TRAINING ROOM	A | I	A
A1009	CHAIR STORAGE	STORAGE	--	A	A
A1010	RECORDS	--	RECORDS	A	A
A1011a	FINGER PRINTING	FINGER PRINTING	--	A	A
A1011b	FINGER PRINTING	--	FINGER PRINTING	A	A
A1012	STORAGE	--	STORAGE	A	A
A1013	MANAGER	--	OFFICE	B	D
A1014	STORAGE	--	STORAGE	A	A
A1015	VIDEO REDACTION	--	VIDEO REDACTION	A	D
A1016	VIDEO REDACTION	--	VIDEO REDACTION	A	D
A1017	SUPERVISOR	--	OFFICE	B	D
A1018	SUPERVISOR	--	OFFICE	B	D
A1020	INTERVIEW	--	INTERVIEW	A	A
A1021	KID'S ROOM	--	KID'S ROOM	A	A
A1023	CONFERENCE	--	CONFERENCE ROOM	I	D
A1024	ADMIN SECRETARY | TRAINING COORDINATOR	--	OFFICE	B	D
A1025	TRAINING SERGEANT	--	OFFICE	B	D
A1026	COMMUNITY ENGAGEMENT COORDINATOR	--	OFFICE	B	D
A1027	COMMUNITY ENGAGEMENT STORAGE	--	COMMUNITY ENGAGEMENT STORAGE	A	A
A1028a	TRAINING EQUIPMENT	--	TRAINING EQUIPMENT	A	A
A1028b	TRAINING EQUIPMENT	--	TRAINING EQUIPMENT	A	A
A1029	QUARTERMASTER STORAGE	--	QUARTERMASTER STORAGE	A	A
A1032	COMMUNITY ENGAGEMENT COORDINATOR	--	OFFICE	B	D
A1033	CAPTAIN	--	OFFICE	B	D
A1034	SERGEANT	--	OFFICE	B	D
A1035	STORAGE	--	STORAGE	A	A
A1036	CHAPLAIN	--	CHAPLAIN	A	D
A1038a	K-9 DAKOTA BRIEFING ROOM	K-9 DAKOTA BRIEFING ROOM	--	I	D
A1038a	K-9 DAKOTA BRIEFING ROOM	TEXT TO BE PROVIDED BY PD	--	K	G
A1038b	K-9 DAKOTA BRIEFING ROOM	K-9 DAKOTA BRIEFING ROOM	--	I	D
A1039	MEDICAL SUPPLIES	--	MEDICAL SUPPLIES	A	A
A1040	FILE ROOM	--	FILE ROOM	A	A
A1041	TECH FILE ROOM	--	TECH FILES	A	A
A1042	CONFERENCE	--	CONFERENCE ROOM	I	D
A1043	SERGEANT	--	OFFICE	B	D
A1044	SERGEANT	--	OFFICE	B	D
A1045	SERGEANT	--	OFFICE	B	D
A1046	CAPTAIN	--	OFFICE	B	D
A1047	CAPTAIN	--	OFFICE	B	D
A1048	DRONE (DFR)	--	OFFICE	B	D
A1049	ADMIN SECRETARY	--	OFFICE	B	D
A1050	DCR PROGRAM SERGEANT	--	OFFICE	B	D
A1051	COMMUNITY OUTREACH OFFICER	--	OFFICE	B	D
A1052	DCR PHONE ROOM	--	DCR PHONE ROOM	B	D
A1053	COMMUNITY OUTREACH OFFICER	--	OFFICE	B	D
A1054	EXPLORERS	--	EXPLORERS	A	D
A1055	PATROL STORAGE |...	--	PATROL STORAGE	A	A
A1057	TRAFFIC	--	TRAFFIC	A	D
A1058	STORAGE	--	STORAGE	A	A
A1059	SERGEANT	--	OFFICE	B	B
A1060	CRASH INVESTIGATION EQUIPMENT STORAGE	--	STORAGE	A	A
A1063	CENTRAL MAIL | PRINT	RECORDS	--	A	A
A1064	CONFERENCE	--	CONFERENCE ROOM	I	D
A1065a	ADMIN	ADMIN	--	A	C
A1065b	ADMIN	--	RECORDS	A	A
A1066	ADMINISTRATIVE CAPTAIN	--	OFFICE	B	D
A1067	DEPUTY CHIEF	--	OFFICE	B	D
A1068	DEPUTY CHIEF	--	OFFICE	B	D
A1069	CHIEF	--	OFFICE	B	A
A1070	STORAGE	A	--	A	A
A1071	SECURE FILES	--	FILE ROOM	A	A
A1072	CHIEF FRANK CHADWICK CONFERENCE	--	CHIEF FRANK CHADWICK CONFERENCE ROOM	I	D
A1072	CHIEF FRANK CHADWICK CONFERENCE	--	TEXT TO BE PROVIDED BY PD	K	F
A1073	BIN STORAGE	STORAGE	--	A	A
A1074	IDF |ELECTRICAL	--	IDF | ELECTRICAL	A	A
A1075	CRIMINAL INVESTIGATIONS DIVISION	--	CRIMINAL INVESTIGATIONS DIVISION	A	D
A1076	ELECTRONIC SURVEILLANCE | DIGITAL FORENSICS	--	OFFICE	B	A
A1077	CONFERENCE	--	CONFERENCE ROOM	I	A
A1079	ISU DIGITAL FORENSICS	--	OFFICE	B	D
A1080	ISU DIGITAL FORENSICS	--	OFFICE	B	D
A1081	ISU SERGEANT	--	OFFICE	B	D
A1082	CAPTAIN	--	OFFICE	B	D
A1083	ISU DIGITAL FORENSICS	--	OFFICE	B	D
A1084	ISU DIGITAL FORENSICS	--	OFFICE	B	D
A1085	STORAGE	--	STORAGE	A	A
A1086	CSU SERGEANT	--	OFFICE	B	D
A1087	ANALYST (SHARED)	--	OFFICE	B	D
A1088	COLD CASE STORAGE	--	STORAGE	A	A
A1089	VESTIBULE	--	QUIET | WELLNESS	A	A
A1090	QUIET	--	QUIET ROOM	A	A
A1091	QUIET	--	QUIET ROOM	A	A
A1092	WELLNESS	--	WELLNESS ROOM	A	A
EXIST	JANITOR	--	JANITOR	A	A
EXIST	WOMEN'S RESTROOM	--	WOMEN'S LOCKERS	E	A
EXIST	MEN'S RESTROOM	--	MEN'S LOCKERS	F	A
A1098a	OFFICER ENTRY	OFFICER ENTRY	--	J	C
A1098b	OFFICER ENTRY	--	OFFICER EXIT	A	C
A1100	INTERVIEW	INTERVIEW	--	A	A
A1100	INTERVIEW	--	RECORDING IN PROGRESS	M	COORDINATE WITH PD
A1101	INTERVIEW	INTERVIEW	--	A	A
A1101	INTERVIEW	--	RECORDING IN PROGRESS	M	COORDINATE WITH PD
A1103a	VESTIBULE	HOLDING	--	J	A
A1107	GROOMING | TREATMENT | STORAGE	K9	--	J	A
A1110	ARMORY | RANGEMASTER	--	ARMORY | RANGEMASTER	A	A
A1111	TRAFFIC DRYING ROOM	--	TRAFFIC DRYING ROOM	A	A
A1112	WEAPON'S MAINTENANCE	--	WEAPON'S MAINTENANCE	A	A
A1113	FITNESS STORAGE	STORAGE	--	A	A
A1114	DT | FITNESS	DT | FITNESS	--	A	C
A1115	STORAGE	STORAGE	--	A	A
A1116a	PROPERTY | EVIDENCE INTAKE	--	EVIDENCE INTAKE	A	A
A116b	EVIDENCE LABORATORY	--	EVIDENCE LABORATORY	A	A
A1118	DRUG VAULT	DRUG VAULT	--	A	A
A1119	CLEANING SUPPLIES	CLEANING SUPPLIES	--	A	A
A1120	WEAPONS	WEAPONS	--	A	A
A1123	TECHNICIAN	--	OFFICE	B	D
A1124	TECHNICIAN	--	OFFICE	B	D
A1125a	EVIDENCE VIEWING | PICKUP	EVIDENCE VIEWING | PICKUP	--	A	A
A1125b	EVIDENCE VIEWING | PICKUP	EVIDENCE VIEWING | PICKUP	--	A	A
A1126	BULK STORAGE	EVIDENCE	--	A	A
A1127a	LARGE ITEM INTAKE	LARGE ITEM INTAKE	--	J	A
A1127b	LARGE ITEM INTAKE	LARGE ITEM INTAKE	--	A	A
A1128	VESTIBULE	INTERVIEW	--	A	A
A1131	MECHANICAL	--	MECHANICAL ROOM	A	A
A1132	SERVER	--	SERVER ROOM	A	A
A1133	OFFICER BIKE STORAGE	BIKE STORAGE	--	J	A

ADD A001

SIGNAGE SCHEDULE - B SERIES

DOOR	ROOM NAME	SIGN MESSAGE		SIGN TYPE	MOUNTING LOCATION
		PULL SIDE	PUSH SIDE		
B1000	EOC STAFF	CITY OF PUYALLUP EMERGENCY OPERATIONS CENTER	--	03/A7.13	REFER TO INTERIOR ELEVATIONS
B1001	HAM RADIO	--	HAM RADIO	A	A
B1002	STORAGE	--	STORAGE	A	A
B1003	GIS PLOTTER	--	GIS PLOTTER	A	A
B1005	CAD | BACK-UP COMM	--	CAD | BACK-UP COMM	A	D
B1006	EOC STAFF	--	OFFICE	B	D
B1007	MANAGER	--	OFFICE	B	D
B1008	CALL CENTER	--	CALL CENTER	A	A
B1009	CERT STORAGE	--	STORAGE	A	A





1 A7.13 SIGNAGE MOUNTING LOCATIONS
1/4" = 1'-0"

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Client

City of Puyallup

Project

Puyallup Public Safety Building
1015 39th Avenue SE, Puyallup, WA, 98374

11049 REGISTERED ARCHITECT
Brent Lee Harrison
STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
SIGNAGE SCHEDULE

SHEET
A7.13

JOB NO. 2170269.07

Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/26907-PPSB Benaroya-V23-A.rvt 4/8/2025 3:06:20 PM 1/4" = 1'-0"

City of Puyallup
Development & Permitting Services
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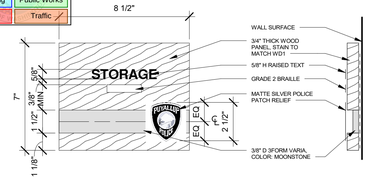
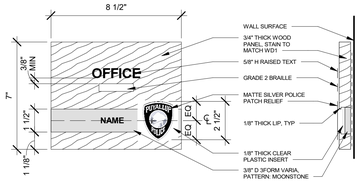
Fire | Traffic



A ROOM NAME SIGN



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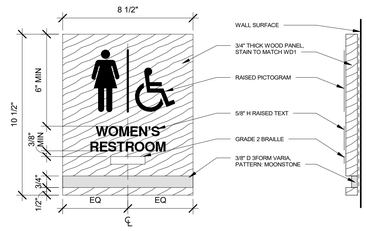
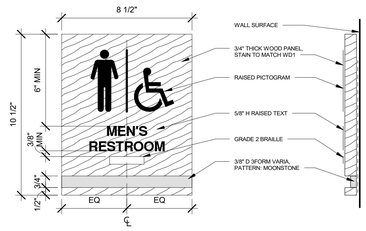
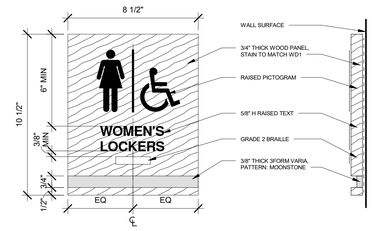


C WOMEN'S RESTROOM SIGN



D MEN'S RESTROOM SIGN



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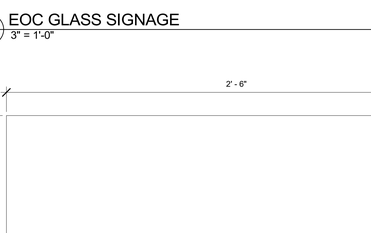

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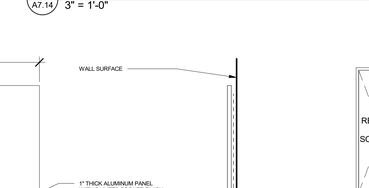
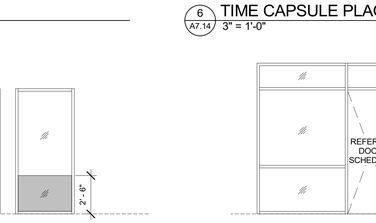
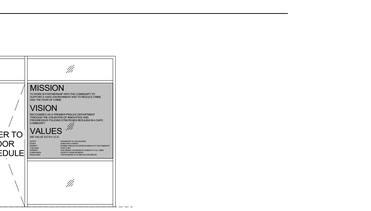


G MAX OCCUPANCY SIGN



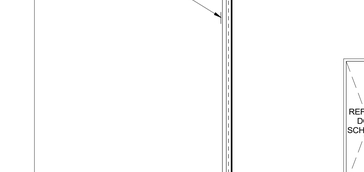
H DIGITAL ROOM SIGN



I DIGITAL ROOM SIGN

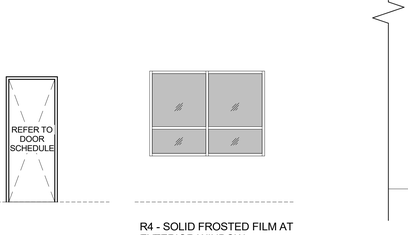
J EXTERIOR SIGNAGE

K OFFICER BIOGRAPHY SIGN



L EXIT SIGN

M RECORDING SIGN



GENERAL NOTE:
REFER TO CODE PLANS FOR EVACUATION MAP AND FIRE CONTROL ROOM MAP LOCATIONS.

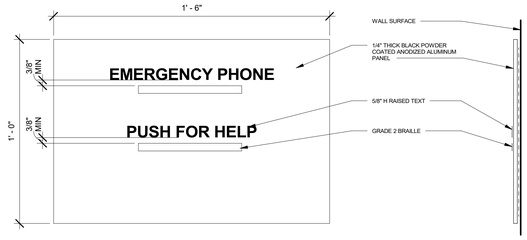
GENERAL NOTE:
TEXT ABOVE SHOWN FOR EXAMPLE ONLY.
REFER TO ELEVATIONS FOR LOCATION-SPECIFIC TEXT.

1 A7.14 SIGNAGE TYPES
3" = 1'-0"

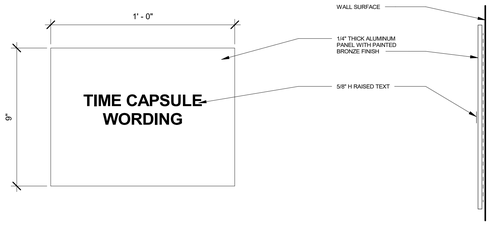
2 A7.14 EVACUATION SIGNAGE
3" = 1'-0"

3 A7.14 WALL SIGNAGE LETTERING
3" = 1'-0"

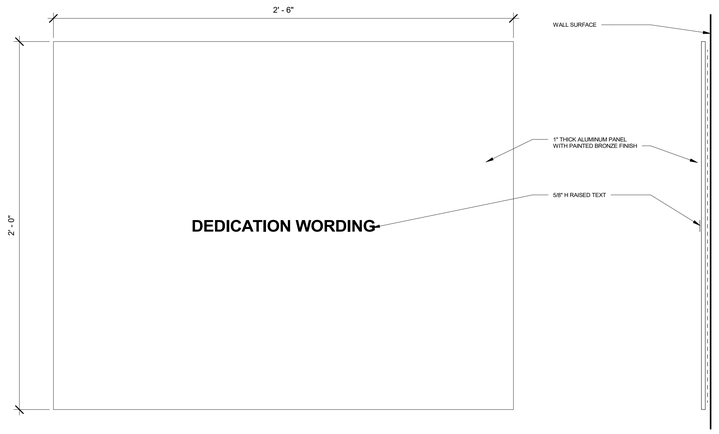
4 A7.14 EOC GLASS SIGNAGE
3" = 1'-0"



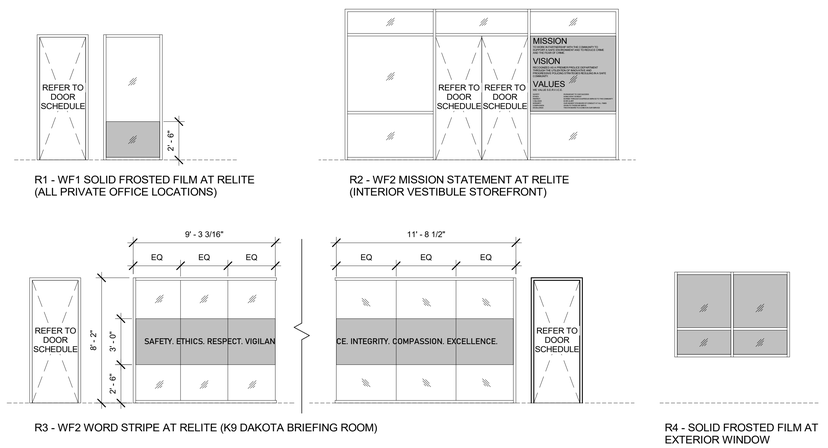
5 A7.14 911 EMERGENCY LOCK DOWN SIGNAGE
3" = 1'-0"



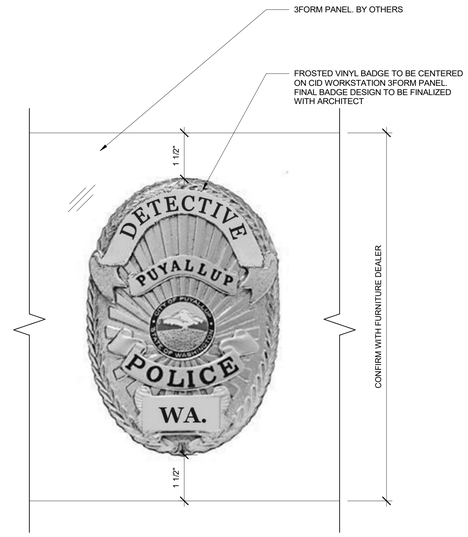
6 A7.14 TIME CAPSULE PLAQUE
3" = 1'-0"



7 A7.14 DEDICATION PLAQUE
3" = 1'-0"



8 A7.14 RELITE SIGNAGE
1/4" = 1'-0"



9 A7.14 CID WORKSTATION SIGNAGE
6" = 1'-0"

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Project
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11049 REGISTERED ARCHITECT
BRETT LI HANSON
STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
SIGNAGE TYPES

SHEET
A7.14

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/25907-PPSB Benaroya-V23-A.rvt 2/27/2025 4:20:50 PM As indicated

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Fire	Traffic

1 / A8.10 OVERALL FIRST FLOOR FURNITURE PLAN
1/16" = 1'-0"

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Plan Check Response 1	04/09/2025

SHEET TITLE:
OVERALL FIRST FLOOR FURNITURE PLAN

SHEET
A8.10

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025
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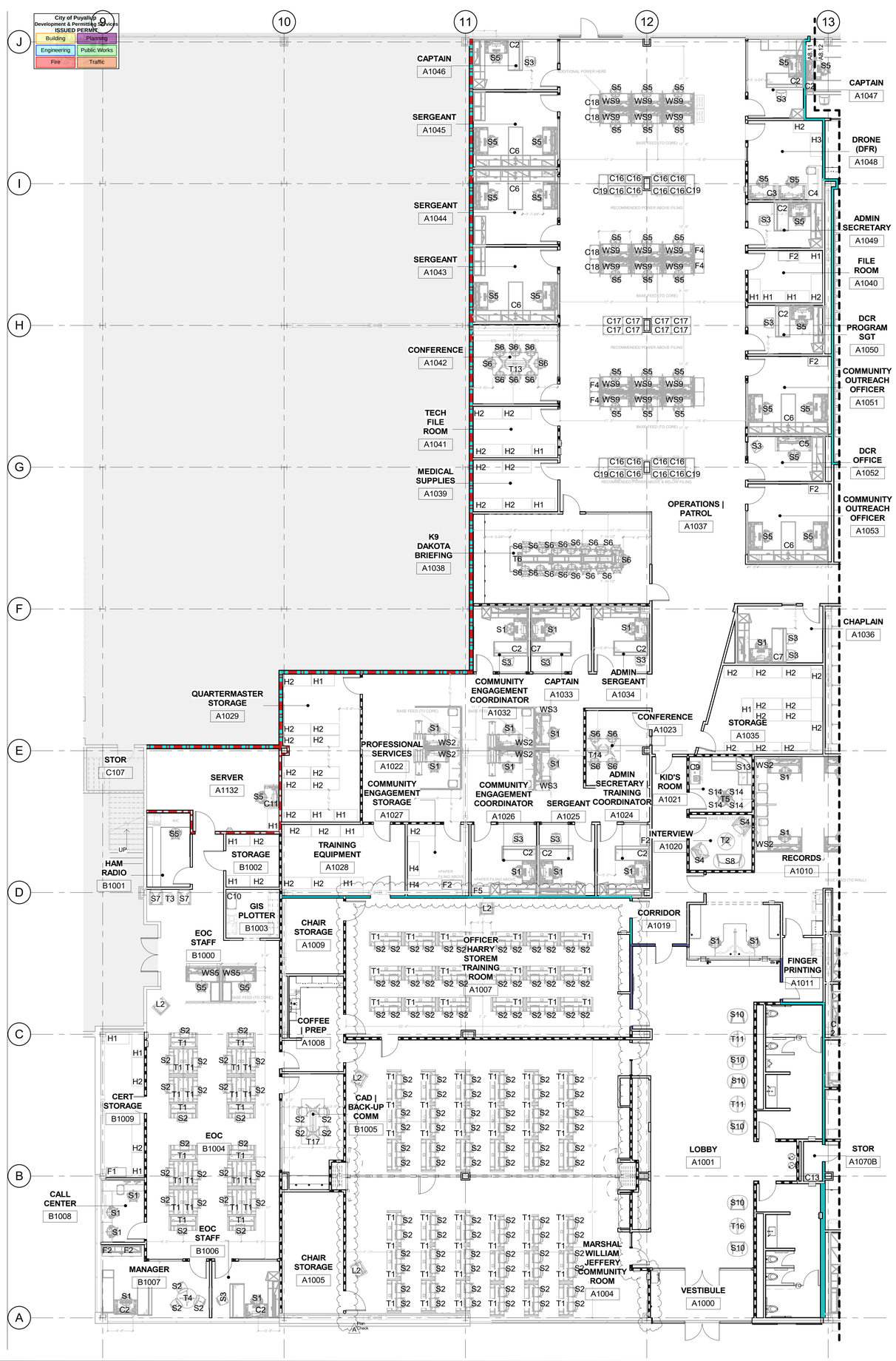

LEGEND

CASEGOODS
- C1 LARGE U-SHAPED PRIVATE OFFICE DESK WITH WARDROBE 1
- C2 SMALL U-SHAPED PRIVATE OFFICE DESK WITH WARDROBE
- C3 DESK (60"W X 30"D)
- C4 L-SHAPED PRIVATE OFFICE DESK (30"D RETURN)
- C5 L-SHAPED PRIVATE OFFICE DESK (24"D RETURN)
- C6 BACK-TO-BACK SHARED PRIVATE OFFICE DESKS
- C7 LARGE U-SHAPE PRIVATE OFFICE DESK WITH WARDROBE 2
- C8 TALL FREESTANDING METAL CABINETS (42"W D 24"D X 64"H)
- C9 CREDENZA
- C10 TALL FREESTANDING METAL CABINETS (36"W D 24"D X 64"H)
- C11 DESK (48"W X 30"D)
- C12 DESK (78"W X 30"D)
- C13 METAL SHELVING UNIT (30"W X 15"D X 64"H)
- C14 LARGE U-SHAPE PRIVATE OFFICE DESK WITH WARDROBE 3
- C15 L-SHAPED PRIVATE OFFICE DESK (7'-6" X 8')
- C16 CHARGING STATION BOOKSHELVES (36"W X 19"D X 42"H)
- C17 CABINET STORAGE (42"W X 19"D)
- C18 CABINET STORAGE (30"W X 19"D X 38"H)
- C19 BOOKSHELVES (42"W X 19"D X 42"H)

FILES
- F1 4 DRAWER LATERAL FILE (42"W X 20"D X 52"H)
- F2 3 DRAWER LATERAL FILE (42"W X 20"D X 40"H)
- F3 2 DRAWER LATERAL FILE (36"W X 20"D X 38"H)
- F4 PATROL LATERAL FILE (30"W X 20"D X 38"H)
- F5 3 DRAWER LATERAL FILE (36"W X 20"D X 40"H)

SEATING
- S1 TASK SEATING WITH ARMS
- S2 STACKING SEATING
- S3 SIDE SEATING 1
- S4 SOFT SEATING 1
- S5 TASK SEATING WITHOUT ARMS
- S6 CONFERENCE CHAIR
- S7 SOFT SEATING 2
- S8 SOFA 1
- S9 DINING CHAIR
- S10 SOFT SEATING 3
- S11 BAR STOOL
- S12 SOFT SEATING 4
- S13 SOFA 2
- S14 ROUND SOFT SEATING
- S15 HEIGHT ADJUSTABLE STOOL
- S16 SOFA 3
- S17 RECLINER
- S18 INTERVIEW SEATING

TABLES
- T1 TRAINING FLIP TOP TABLE
- T2 ROUND COFFEE TABLE (42" DIA)
- T3 SIDE TABLE (18" DIA)
- T4 ROUND MEETING TABLE (36"DIA)
- T5 SIDE TABLE (30" DIA)
- T6 CONFERENCE TABLE (20' L)
- T7 MEETING TABLE (42" X 72")
- T8 ROUND DINING TABLE (30" DIA)
- T9 ROUND DINING TABLE (36" DIA)
- T10 CONFERENCE TABLE (10' L)
- T11 SIDE TABLE (34" DIA)
- T12 COFFEE TABLE
- T13 SIDE TABLE (14" DIA)
- T14 MEETING TABLE (48" X 72")
- T15 SIDE TABLE (26" DIA)
- T16 MEETING TABLE (36" X 54")
- T17 MEETING TABLE (48" X 96")
- T18 MEETING TABLE (30" X 72")

WORKSTATIONS
- WS1 L-SHAPED WORKSTATION (7' X 6')
- WS2 L-SHAPED WORKSTATION (7' X 8')
- WS3 TOUCH DOWN WORKSTATION (72W" X 30"D)
- WS4A U-SHAPED WORKSTATION (8'-6" X 9'-6")
- WS4B L-SHAPED WORKSTATION (8'-6" X 9'-6") WITH EXTENDED RETURN
- WS5 L-SHAPED WORKSTATION (6' X 6')
- WS6 L-SHAPED WORKSTATION (6' X 9')
- WS7 L-SHAPED WORKSTATION (5'-3"X10')
- WS8 U-SHAPED ADMINISTRATION WORKSTATION (7' X 9')
- WS9 TOUCH DOWN WORKSTATION (54"W X 30"D)

HEAVY DUTY SHELVING
- H1 HEAVY DUTY FREESTANDING SHELF, 48"W X 24"D X 72"H (5 SHELVES)
- H2 HEAVY DUTY FREESTANDING SHELF, 60"W X 24"D X 72"H (5 SHELVES)
- H3 HEAVY DUTY FREESTANDING SHELF, 48"W X 24"D X 36"H (2 SHELVES)
- H4 HEAVY DUTY FREESTANDING SHELF, 72"W X 24"D X 72"H (5 SHELVES)
- H5 STAINLESS STEEL HEAVY DUTY FREESTANDING SHELF, 60"W X 24"D X 72"H (5 SHELVES)

MISCELLANEOUS
- L1 FLOOR LAMP
- L2 FLOOR LECTERN WITH POWER HOOK UP
- M1 MOBILE MARKERBOARD

EXISTING FURNITURE
- E1 MASSAGE CHAIR
- E2 WORK BENCH
- E3 HEAVY DUTY FREESTANDING SHELF

1 A8.11 PARTIAL FIRST FLOOR FURNITURE PLAN - AREA A
1/8" = 1'-0"

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11049 REGISTERED ARCHITECT
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REVISION SCHEDULE

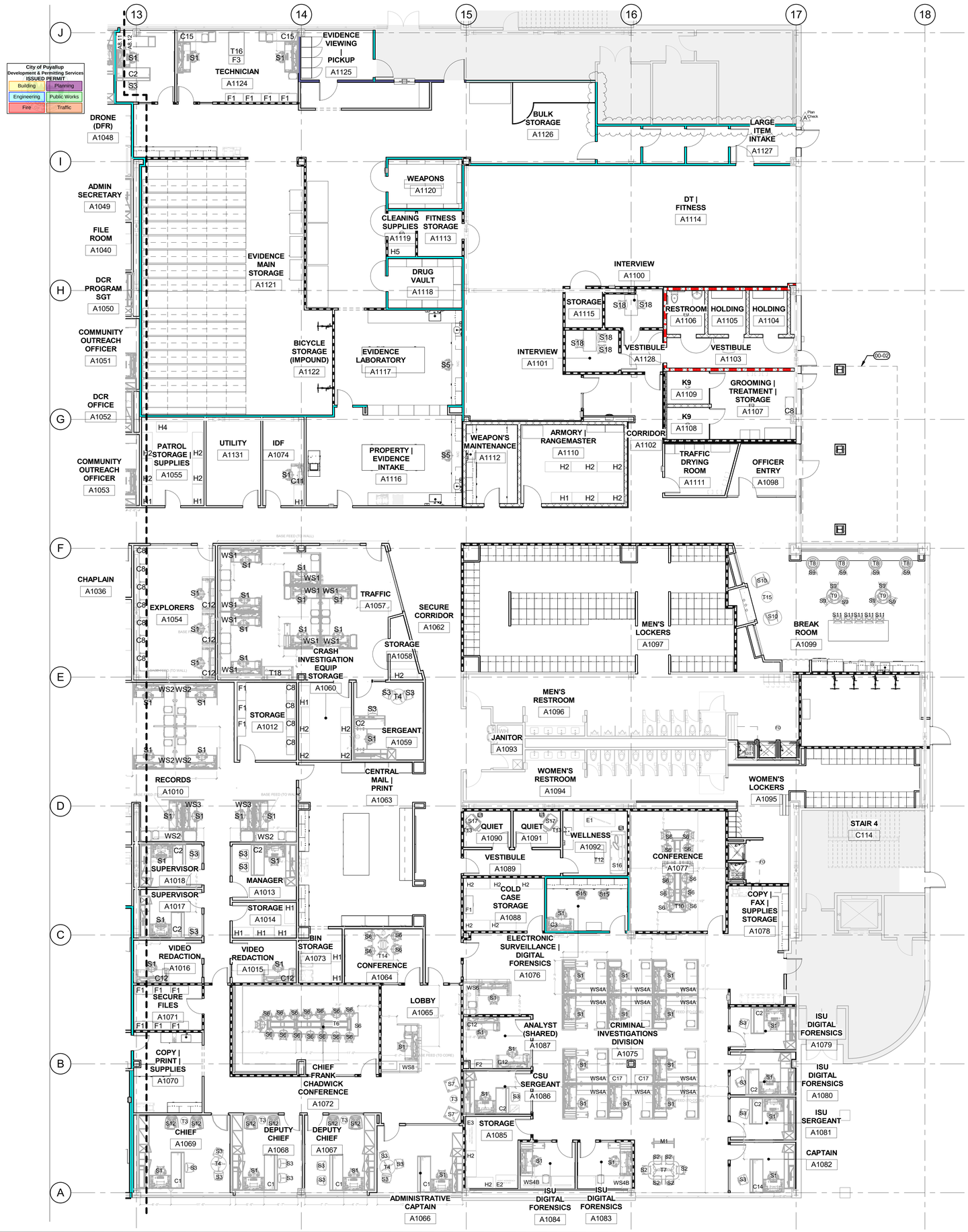
Delta	Issued As	Issue Date
A	Plan Check Response 1	04/09/2025

SHEET TITLE:
PARTIAL FIRST FLOOR FURNITURE PLAN - AREA A

SHEET
A8.11

JOB NO. 2170269.07

Permit/Bid Set 03.04.2025



1 A8.12 PARTIAL FIRST FLOOR FURNITURE PLAN - AREA B
1/8" = 1'-0"

LEGEND

CASEGOODS
- C1 LARGE U-SHAPED PRIVATE OFFICE DESK WITH WARDROBE 1
- C2 SMALL U-SHAPED PRIVATE OFFICE DESK WITH WARDROBE
- C3 DESK (60"W X 30"D)
- C4 L-SHAPED PRIVATE OFFICE DESK (30"D RETURN)
- C5 L-SHAPED PRIVATE OFFICE DESK (24"D RETURN)
- C6 BACK-TO-BACK SHARED PRIVATE OFFICE DESKS
- C7 LARGE U-SHAPE PRIVATE OFFICE DESK WITH WARDROBE 2
- C8 TALL FREESTANDING METAL CABINETS (42"W D 24"D X 64"H)
- C9 CREDENZA
- C10 TALL FREESTANDING METAL CABINETS (36"W D 24"D X 64"H)
- C11 DESK (48"W X 30"D)
- C12 DESK (78"W X 30"D)
- C13 METAL SHELVING UNIT (30"W X 15"D X 64"H)
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- C15 L-SHAPED PRIVATE OFFICE DESK (7'-6" X 8')
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- F4 PATROL LATERAL FILE (30"W X 20"D X 38"H)
- F5 3 DRAWER LATERAL FILE (36"W X 20"D X 40"H)

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- S1 TASK SEATING WITH ARMS
- S2 STACKING SEATING
- S3 SIDE SEATING 1
- S4 SOFT SEATING 1
- S5 TASK SEATING WITHOUT ARMS
- S6 CONFERENCE CHAIR
- S7 SOFT SEATING 2
- S8 SOFA 1
- S9 DINING CHAIR
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- S12 SOFT SEATING 4
- S13 SOFA 2
- S14 ROUND SOFT SEATING
- S15 HEIGHT ADJUSTABLE STOOL
- S16 SOFA 3
- S17 RECLINER
- S18 INTERVIEW SEATING

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- T5 SIDE TABLE (30" DIA)
- T6 CONFERENCE TABLE (20' L)
- T7 MEETING TABLE (42" X 72")
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- T9 ROUND DINING TABLE (36" DIA)
- T10 CONFERENCE TABLE (10' L)
- T11 SIDE TABLE (34" DIA)
- T12 COFFEE TABLE
- T13 SIDE TABLE (14" DIA)
- T14 MEETING TABLE (48" X 72")
- T15 SIDE TABLE (26" DIA)
- T16 MEETING TABLE (36" X 54")
- T17 MEETING TABLE (48" X 96")
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- WS5 L-SHAPED WORKSTATION (6' X 6')
- WS6 L-SHAPED WORKSTATION (6' X 9')
- WS7 L-SHAPED WORKSTATION (5'-3"X10')
- WS8 U-SHAPED ADMINISTRATION WORKSTATION (7' X 9')
- WS9 TOUCH DOWN WORKSTATION (54"W X 30"D)

HEAVY DUTY SHELVING
- H1 HEAVY DUTY FREESTANDING SHELF, 48"W X 24"D X 72"H (5 SHELVES)
- H2 HEAVY DUTY FREESTANDING SHELF, 60"W X 24"D X 72"H (5 SHELVES)
- H3 HEAVY DUTY FREESTANDING SHELF, 48"W X 24"D X 36"H (2 SHELVES)
- H4 HEAVY DUTY FREESTANDING SHELF, 72"W X 24"D X 72"H (5 SHELVES)
- H5 STAINLESS STEEL HEAVY DUTY FREESTANDING SHELF, 60"W X 24"D X 72"H (5 SHELVES)

MISCELLANEOUS
- L1 FLOOR LAMP
- L2 FLOOR LECTERN WITH POWER HOOK UP
- M1 MOBILE MARKERBOARD

EXISTING FURNITURE
- E1 MASSAGE CHAIR
- E2 WORK BENCH
- E3 HEAVY DUTY FREESTANDING SHELF

KEYNOTES

00-02 EXTERIOR CANOPY

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Client

City of Puyallup

Project

Puyallup Public Safety Building
1015 39th Avenue SE, Puyallup, WA, 98374

11049 REGISTERED ARCHITECT Brett Lee Harbour STATE OF WASHINGTON

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	CCD 001	TBD

SHEET TITLE:
PARTIAL FIRST FLOOR FURNITURE PLAN - AREA B

SHEET
A8.12

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

MECHANICAL LEGEND

HVAC

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SUPPLY DUCT UP		FLEXIBLE DUCT
	SUPPLY DUCT DOWN		VOLUME DAMPER (VD)
	RETURN, RELIEF, TRANSFER, OSA DUCT UP	M	MOTORIZED DAMPER
	RETURN, RELIEF, TRANSFER, OSA DUCT DOWN		FIRE DAMPER
	EXHAUST DUCT UP		COMBINATION FIRE/SMOKE DAMPER
	EXHAUST DUCT DOWN		FLEXIBLE CONNECTION (DUCT)
	RECTANGULAR DUCT SQUARE ELBOW UP		TURNING VANES (TV)
	RECTANGULAR DUCT, RADIUS ELBOW UP		BACKDRAFT DAMPER (BD)
	RECTANGULAR DUCT, SQUARE ELBOW DOWN	T	THERMOSTAT (T'STAT)
	RECTANGULAR DUCT, RADIUS ELBOW DOWN	T G	THERMOSTAT WITH GUARD OR FLAT PLATE SEE SPECIFICATIONS
	ROUND DUCT ELBOW UP	PS	SPACE PRESSURE SENSOR
	ROUND DUCT ELBOW DOWN	C02	CARBON DIOXIDE SENSOR
	CEILING AIR TERMINAL - SQUARE	XØ	ROUND DUCT
	CEILING AIR TERMINAL - ROUND	X/XØ	OVAL DUCT
12 X 12 CD / 300 CFM	AIR TERMINAL SIZE, TYPE & CFM	X/X	SQUARE DUCT

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:

MECHANICAL LEGEND

SHEET

M0.01

JOB NO. 2170269.07

PERMIT/BID SET - 03.04.2025

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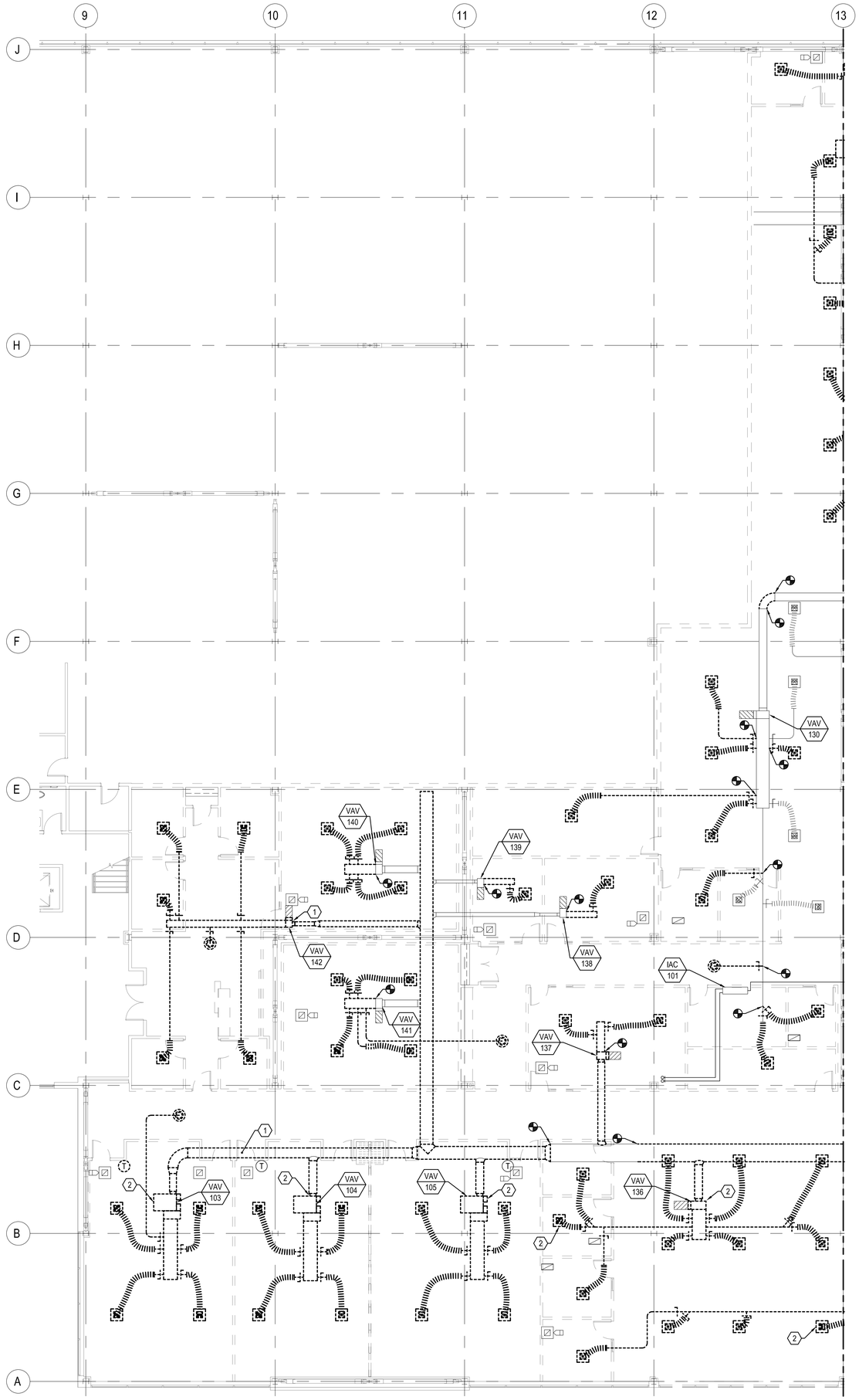
Building	Planning
Engineering	Public Works
Fire	Traffic



GENERAL NOTES

1. ITEMS SHOWN DARK AND DASHED ARE EXISTING ITEMS TO BE REMOVED. ITEMS SHOWN LIGHT ARE EXISTING ITEMS TO REMAIN.

DEMOLITION NOTES

1. REMOVE DUCTWORK, VAV, AND APPURTENANCES AS INDICATED.
2. REMOVE DUCTWORK, VAV, AND APPURTENANCES AS INDICATED. RETAIN VAV FOR RELOCATION.

KEY PLAN

1 MD1.11 MECHANICAL DEMOLITION PLAN - AREA A
1/8" = 1'-0"

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02/27/2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:

MECHANICAL DEMOLITION PLAN - AREA A

SHEET

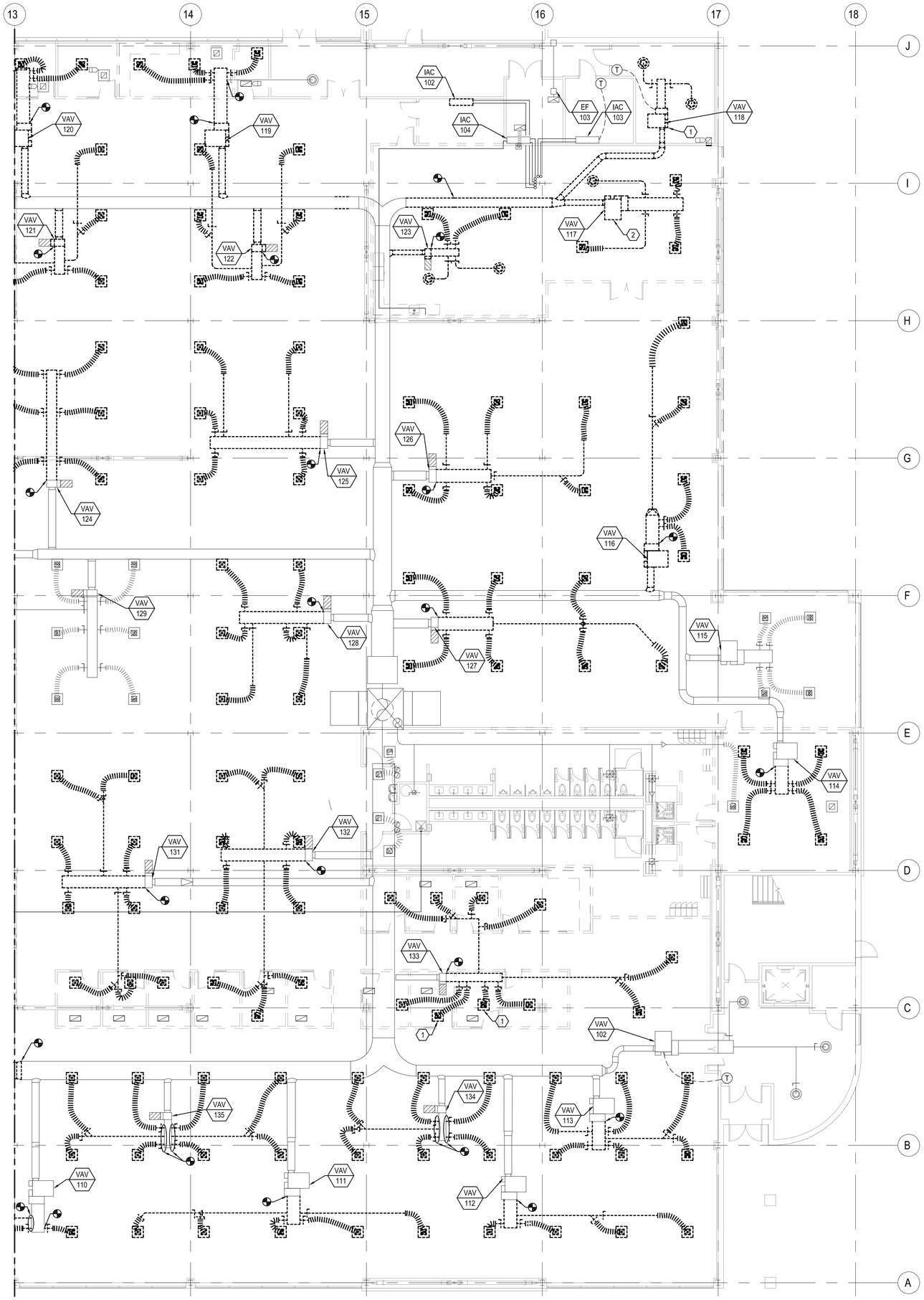
MD1.11

JOB NO. 2170269.07

PERMIT/BID SET - 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



GENERAL NOTES

1. ITEMS SHOWN DARK AND DASHED ARE EXISTING ITEMS TO BE REMOVED. ITEMS SHOWN LIGHT ARE EXISTING ITEMS TO REMAIN.

DEMOLITION NOTES

1. REMOVE DUCTWORK, VAV, AND APPURTENANCES AS INDICATED.
2. REMOVE DUCTWORK, VAV, AND APPURTENANCES AS INDICATED. RETAIN VAV FOR RELOCATION.

KEY PLAN

1 MD1.12 MECHANICAL DEMOLITION PLAN - AREA B
1/8" = 1'-0"

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Delta	Issued As	Issue Date

SHEET TITLE:

MECHANICAL DEMOLITION PLAN - AREA B

SHEET

MD1.12

JOB NO. 2170269.07

PERMIT/BID SET - 03.04.2025

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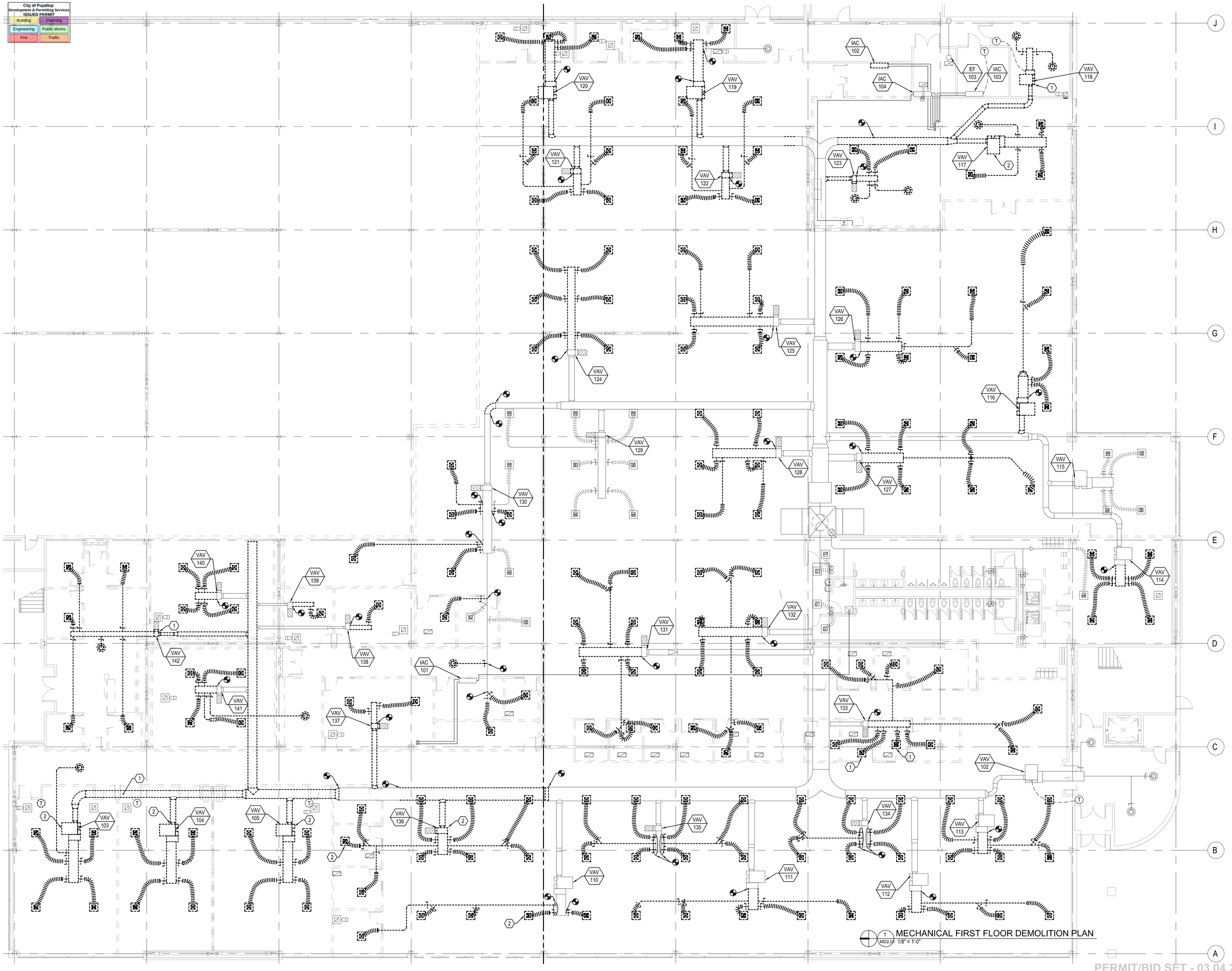
Building	Planning
Engineering	Public Works
Fire	Traffic



1 MD2.01 MECHANICAL FIRST FLOOR DEMOLITION PLAN
1/8" = 1'-0"

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CHRISTOPHER ANDREW MACKENZIE
STATE OF WASHINGTON
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05/27/2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:

MECHANICAL FIRST FLOOR DEMOLITION PLAN

SHEET

MD2.01

JOB NO. 2170269.07

PERMIT/BID SET - 03.04.2025

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CAPTAIN A1046 — 12/12 CD-4 605 CFM; 24/24 RG
SERGEANT A1045 — 24/24 RG; 12/12 CD-4 100 CFM
SERGEANT A1044 — 6/6 CD-4 100 CFM; 24/24 RG
SERGEANT A1043 — 6/6 CD-4 100 CFM; 24/24 RG
CONFERENCE A1042 — 9/9 CD-4 200 CFM; 12/12 RGH
TECH FILE ROOM A1041 — 6/6 CDH-3 60 CFM
MEDICAL SUPPLIES A1039 — 12/12 RGH; 8/8 CDH-3 190 CFM
K9 DAKOTA BRIEFING A1038 — 24/24 RG; 9/9 CD-4 190 CFM
COMMUNITY ENGAGEMENT COORDINATOR A1032 — 9/9 CD-4 195 CFM; 6/6 CD-4 60 CFM
PROFESSIONAL SERVICES A1022 — 24/24 RG; 9/9 CD-4 150 CFM
QUARTERMASTER STORAGE A1029
TRAINING EQUIPMENT A1028 — 9/9 CD-4 150 CFM; 24/24 RG
SERVER A1132
STORAGE B1002 — 6/6 CD-2 50 CFM
COMMUNITY ENGAGEMENT STORAGE A1027 — 6/6 SDS 120 CFM
HAM RADIO B1001 — 24/24 RG; 6/6 CD-3 85 CFM; 6/6 CD-2 55 CFM
EOC STAFF B1000 — 6/6 CD-2 40 CFM; 24/24 RG; 6/6 CD-4 55 CFM; 24/24 RG; 6/6 CD-4 75 CFM; 6/6 CD-4 75 CFM; 6/6 SDS 45 CFM
CERT STORAGE B1009
CAD | BACK-UP COMM B1005 — 24/24 RG; 6/6 CD-4 80 CFM; 6/6 SDS 45 CFM
EOC B1004 — 6/6 CD-4 60 CFM; 80 CFM
CALL CENTER B1008 — 24/24 RG; 15/15 CD-4 700 CFM
MANAGER B1007
EOC STAFF B1006 — 12/12 CD-4 415 CFM
CHAIR STORAGE A1009 — 12/12 CD-4 395 CFM; 6/6 SDS 65 CFM
COFFEE | PREP A1008 — 6/6 CD-4 120 CFM; 12/12 CD-4 390 CFM; 24/24 RG
CHAIR STORAGE A1005 — 15/15 CD-4 515 CFM
OPERATIONS | PATROL A1037 — 12/12 CD-4 535 CFM; 24/24 RG; 9/9 CD-4 160 CFM; 24/24 RG; 12/12 CD-4 315 CFM; 24/24 RG; 12/12 CD-4 315 CFM
OFFICER HARRY STOREM TRAINING ROOM A1007 — 12/12 CD-4 390 CFM; 24/24 RG; 12/12 CD-4 395 CFM; 24/24 RG
MARSHAL WILLIAM JEFFERY COMMUNITY ROOM A1004 — 12/12 CD-4 455 CFM; 12/12 CD-4 455 CFM; 12/12 CD-4 455 CFM; 15/15 CD-4 510 CFM; 15/15 CD-4 510 CFM; 15/15 CD-4 510 CFM
CAPTAIN A1033 — 9/9 CD-4 190 CFM; 6/6 CD-4 65 CFM
ADMIN SERGEANT A1034 — 6/6 CD-4 60 CFM; 24/24 RG
CONFERENCE A1023 — 6/6 CD-4 110 CFM
COMMUNITY ENGAGEMENT COORDINATOR A1026 — 9/9 CD-4 150 CFM
SERGEANT A1025 — 6/6 CD-2 55 CFM; 24/24 RG; 6/6 CD-2 65 CFM; 6/6 CD-2 65 CFM
SECURE CORRIDOR A1129 — 6-LSS5-1 165 CFM; 9/9 CD-4 105 CFM
CORRIDOR A1019 — 9/9 CD-4 85 CFM; 24/24 RG
ADMIN SECRETARY | TRAINING COORDINATOR A1024 — 6/6 CD-4 40 CFM; 6/6 CD-4 90 CFM (E)
INTERVIEW A1020 — 24/24 RG
LOBBY A1001
CAPTAIN A1047 — 12/12 CD-3 550 CFM; 12/12 CD-4 330 CFM
DRONE (DFR) A1048 — 24/24 RG; 6/6 CD-4 95 CFM; 6/6 CD-4 60 CFM
ADMIN SECRETARY A1049 — 24/24 RG
FILE ROOM A1040 — 6/6 CD-4 60 CFM; 6/6 CD-4 65 CFM
DCR PROGRAM SGT A1050 — 24/24 RG; 24/24 RG
COMMUNITY OUTREACH OFFICER A1051 — 6/6 CD-4 100 CFM
DCR OFFICE A1052 — 6/6 CD-4 60 CFM; 24/24 RG
COMMUNITY OUTREACH OFFICER A1053 — 6/6 CD-4 100 CFM; 9/9 CD-4 105 CFM
CHAPLAIN A1036 — 24/24 RG; 9/9 CD-4 145 CFM (E); 8/8 SDS 95 CFM
STORAGE A1035 — 9/9 CD-4 85 CFM (E)
KID'S ROOM A1021 — 9/9 CD-4 125 CFM (E)
RECORDS A1010 — 24/24 RG; 6/6 CD-4 125 CFM (E); 6/6 CD-4 55 CFM; 24/24 RG
FINGER PRINTING A1011 — 6/6 CD-4 80 CFM; 12/12 RGH
MEN'S A1003 — 8/8 CDH-4 190 CFM; 12/12 SDS 450 CFM; 24/24 RG
WOMEN'S A1002 — 8/8 CDH-4 210 CFM; 12/12 RGH; 12/12 SDS 600 CFM

GENERAL NOTES

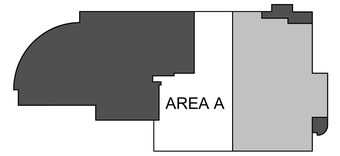
1. ALL PLENUM RETURN GRILLES WILL HAVE PLENUM BOOT OF EQUAL SIZE.

CONSTRUCTION NOTES

1. BOTTOM OF SUPPLY GRILLE AT 13' AFF.
2. BOTTOM OF WALL GRILLE AT 12' 8" AFF.
3. BOTTOM OF WALL GRILLE AT 13' 10" AFF.
4. BOTTOM OF SUPPLY GRILLE AT 14' AFF.

1 M1.11 LEVEL 1 - MECHANICAL REFLECTED CEILING PLAN - AREA A
1/8" = 1'-0"

KEY PLAN



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Fife, Washington 98424
T: 253.922.0446 | F: 253.922.0896

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02/27/2025

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REVISION SCHEDULE

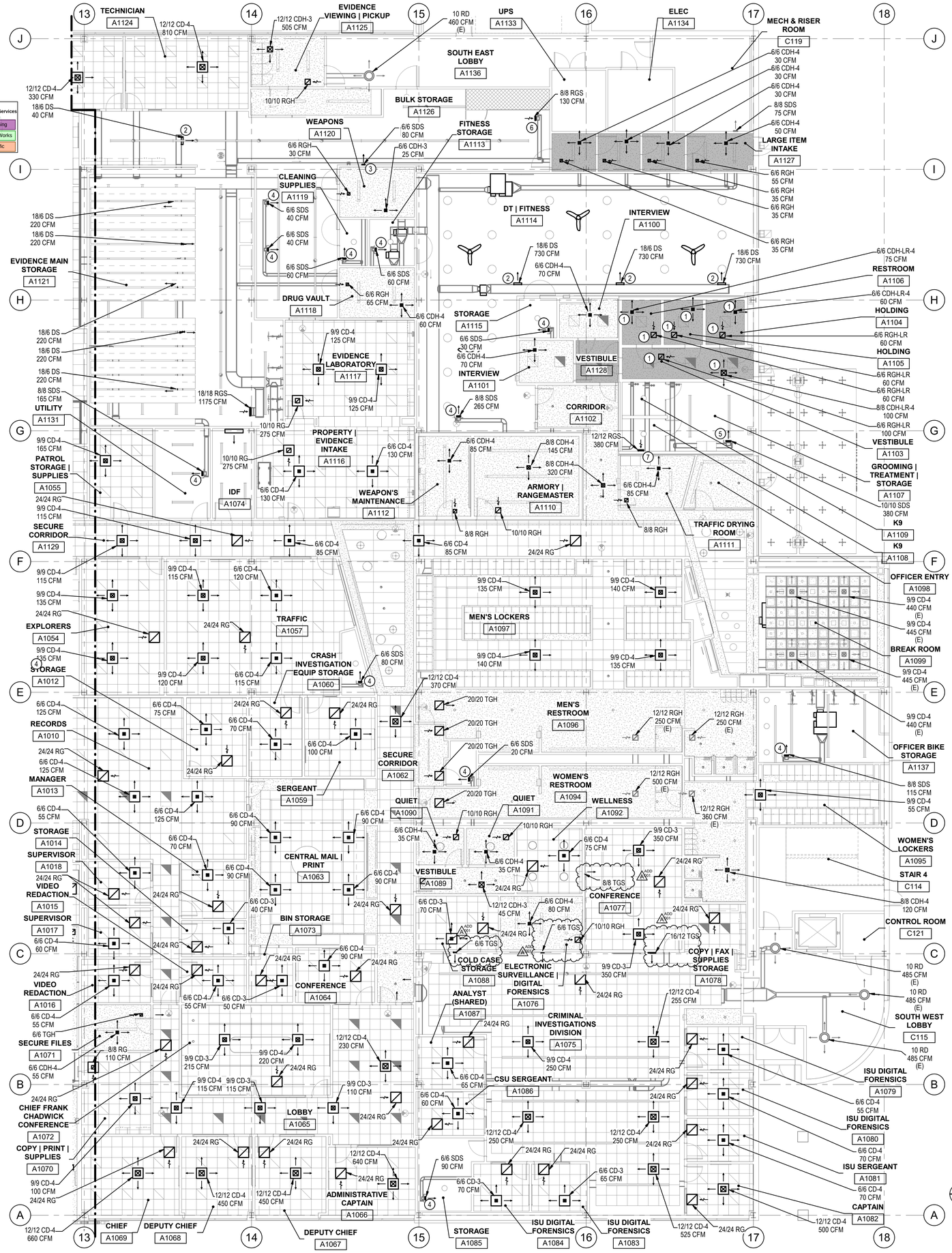
Delta	Issued As	Issue Date

SHEET TITLE:
MECHANICAL REFLECTED CEILING PLAN - AREA A

SHEET
M1.11

JOB NO. 2170269.07

PERMIT/BID SET - 03.04.2025



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Fire | Traffic

GENERAL NOTES

1. ALL PLENUM RETURN GRILLES WILL HAVE PLENUM BOOT OF EQUAL SIZE.

CONSTRUCTION NOTES

1. COORDINATE SECURITY GRD WITH CEILING MANUFACTURER FOR COMPLETE AND SECURE INTALLATION.
2. BOTTOM OF SUPPLY DRUM AT 14' 1" AFF.
3. BOTTOM OF WALL GRILLE AT 15' 9" AFF.
4. BOTTOM OF SUPPLY GRILLE AT 14' AFF.
5. BOTTOM OF SUPPLY GRILLE AT 13' 10" AFF.
6. BOTTOM OF RETURN GRILLE AT 15' 5" AFF.
7. BOTTOM OF WALL GRILLE AT 16' AFF.

KEY PLAN

1 / M1.12 LEVEL 1 - MECHANICAL REFLECTED CEILING PLAN - AREA B
1/8" = 1'-0"

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REVISION SCHEDULE

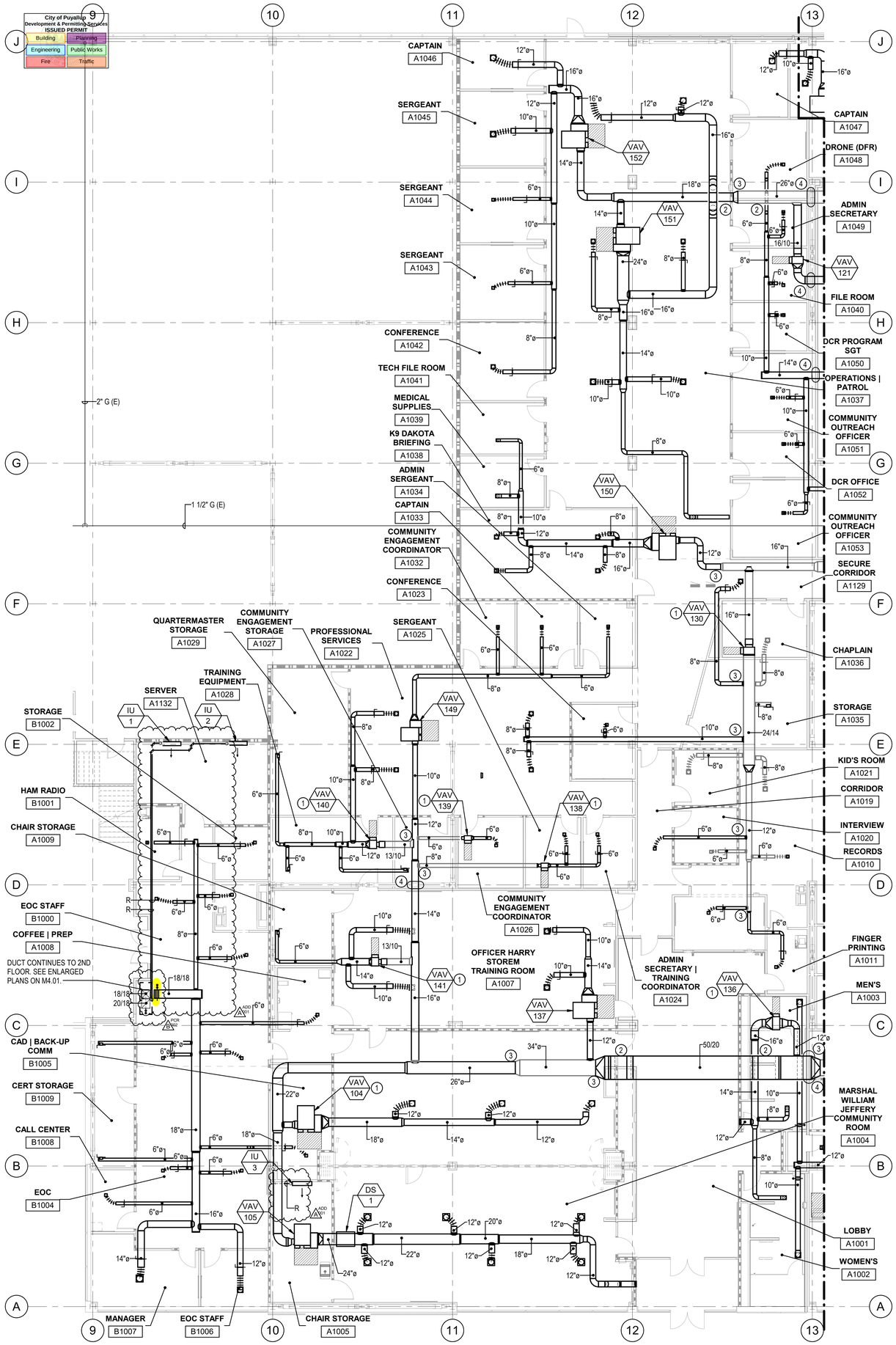
Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
MECHANICAL REFLECTED CEILING PLAN - AREA B

SHEET
M1.12

JOB NO. 2170269.07

Permit/Bid Set 03.04.2025



LEVEL 1 - MECHANICAL PLAN - AREA A
1/8" = 1'-0"

CONSTRUCTION NOTES

1. EXISTING VAV BOX.
2. ELEVATION CHANGE.
3. NEW WORK CONNECTING TO EXISTING DUCT.
4. SECURITY BARS REQUIRED.

KEY PLAN

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025
B	Plan Check Response 2	04/16/2025

SHEET TITLE:
MECHANICAL FIRST FLOOR PLAN - AREA A

SHEET
M2.11

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/515240182-2023-TSC-MEP.rvt 4/16/2025 1:20:20 PM 1/8" = 1'-0"

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TECHNICIAN A1124
EVIDENCE VIEWING | PICKUP A1125
SOUTH EAST LOBBY A1136
MECH & RISER ROOM C119
UPS A1133
ELEC A1134
LARGE ITEM INTAKE A1127
BULK STORAGE A1126
WEAPONS A1120
DT | FITNESS A1114
INTERVIEW A1100
RESTROOM A1106
HOLDING A1105
HOLDING A1104
VESTIBULE A1128
VESTIBULE A1103
K9 A1109
CORRIDOR A1102
TO PATIO GRILL
K9 A1108
GROOMING | TREATMENT | STORAGE A1107
OFFICER ENTRY A1098
TRAFFIC DRYING ROOM A1111
BREAK ROOM A1099
OFFICER BIKE STORAGE A1137
CONFERENCE A1077
WOMEN'S LOCKERS A1095
STAIR 4 C114
COPY | FAX | SUPPLIES STORAGE A1078
CONTROL ROOM C121
SOUTH WEST LOBBY C115
ISU DIGITAL FORENSICS A1079
ISU DIGITAL FORENSICS A1080
ISU SERGEANT A1081
CAPTAIN A1082
CRIMINAL INVESTIGATIONS DIVISION A1075
ISU DIGITAL FORENSICS A1083
ISU DIGITAL FORENSICS A1084
STORAGE A1085
ADMINISTRATIVE CAPTAIN A1066
DEPUTY CHIEF A1067
DEPUTY CHIEF A1068
EVIDENCE MAIN STORAGE A1121
FITNESS STORAGE A1113
CLEANING SUPPLIES A1119
DRUG VAULT A1118
EVIDENCE LABORATORY A1117
PROPERTY | EVIDENCE INTAKE A1116
PATROL STORAGE | SUPPLIES A1055
UTILITY A1131
IDF A1074
EXPLORERS A1054
TRAFFIC A1057
SERGEANT A1059
CRASH INVESTIGATION EQUIP STORAGE A1060
STORAGE A1012
RECORDS A1010
MANAGER A1013
SUPERVISOR A1018
SUPERVISOR A1017
STORAGE A1014
VIDEO REDACTION A1016
VIDEO REDACTION A1015
SECURE FILES A1071
COPY | PRINT | SUPPLIES A1070
CHIEF FRANK CHADWICK CONFERENCE A1072
CHIEF A1069
INTERVIEW A1101
WEAPON'S MAINTENANCE A1112
ARMORY | RANGEMASTER A1110
MEN'S LOCKERS A1097
MEN'S RESTROOM A1096
WOMEN'S RESTROOM A1094
QUIET A1090
QUIET A1091
WELLNESS A1092
SECURE CORRIDOR A1062
CENTRAL MAIL | PRINT A1063
VESTIBULE A1089
BIN STORAGE A1073
CONFERENCE A1064
COLD CASE STORAGE A1088
ELECTRONIC SURVEILLANCE | DIGITAL FORENSICS A1076
ANALYST (SHARED) A1087
CSU SERGEANT A1086
LOBBY A1065
STORAGE A1115
VAV 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135
DH 1 2 3
CF 1 2 3 4 5
EWH 1
IU 4

Provide fire/smoke damper installation instruction on site for inspection. (typical)

EWH-1 Provide clearance per manufactures installation requirement to room finishes.

Shaft Details A5.29

1 LEVEL 1 - MECHANICAL PLAN - AREA B
1/8" = 1'-0"

CONSTRUCTION NOTES

1. EXISTING VAV BOX.
2. ELEVATION CHANGE.
3. NEW WORK CONNECTING TO EXISTING DUCT.
4. SECURITY BARS REQUIRED.
5. BOTTOM OF CEILING FAN AT 12' AFF.
6. BALANCE DAMPER SET TO 35 CFM.
7. BALANCE DAMPER SET TO 60 CFM.
8. BALANCE DAMPER SET TO 70 CFM.
9. BALANCE DAMPER SET TO 75 CFM.
10. BALANCE DAMPER SET TO 90 CFM.
11. BALANCE DAMPER SET TO 100 CFM.
12. BALANCE DAMPER SET TO 160 CFM.

KEY PLAN

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04/16/2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025
B	Plan Check Response 2	04/16/2025

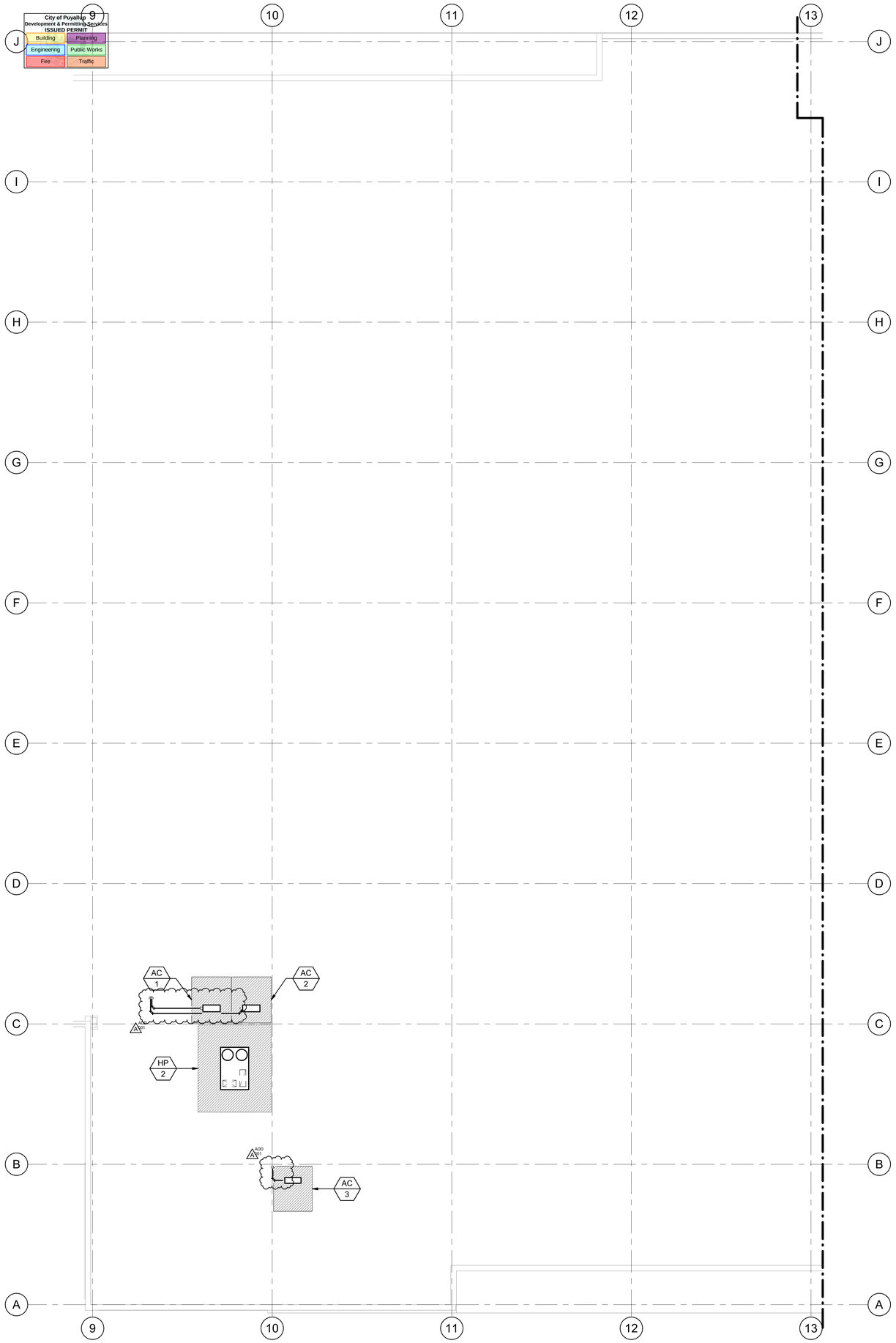
SHEET TITLE:
MECHANICAL FIRST FLOOR PLAN - AREA B

SHEET
M2.12

JOB NO: 2170269.07

Permit/Bid Set 03.04.2025

Autodesk Docs://PPSB Benaroya/515240182-2023-TSC-MEP.rvt 4/16/2025 1:20:24 PM 1/8" = 1'-0"



1 M3.11 LEVEL 11 - MECHANICAL ROOF PLAN - AREA A
1/8" = 1'-0"

KEY PLAN

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Planning • Engineering

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Vancouver, WA
360.695.7879
Seattle, WA
206.749.9993

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City of Puyallup

Project

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1015 39th Avenue SE,
Puyallup, WA, 98374

BCE
A Gannett Fleming TranSystems Company
6021 12th Street East, Suite 200
Fife, Washington 98424
T: 253.922.0446 | F: 253.922.0896

CHRISTOPHER ANDREW BEAN — STATE OF WASHINGTON — 21618 — REGISTERED PROFESSIONAL ENGINEER
04/04/2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
MECHANICAL ROOF PLAN - AREA A

SHEET
M3.11

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025
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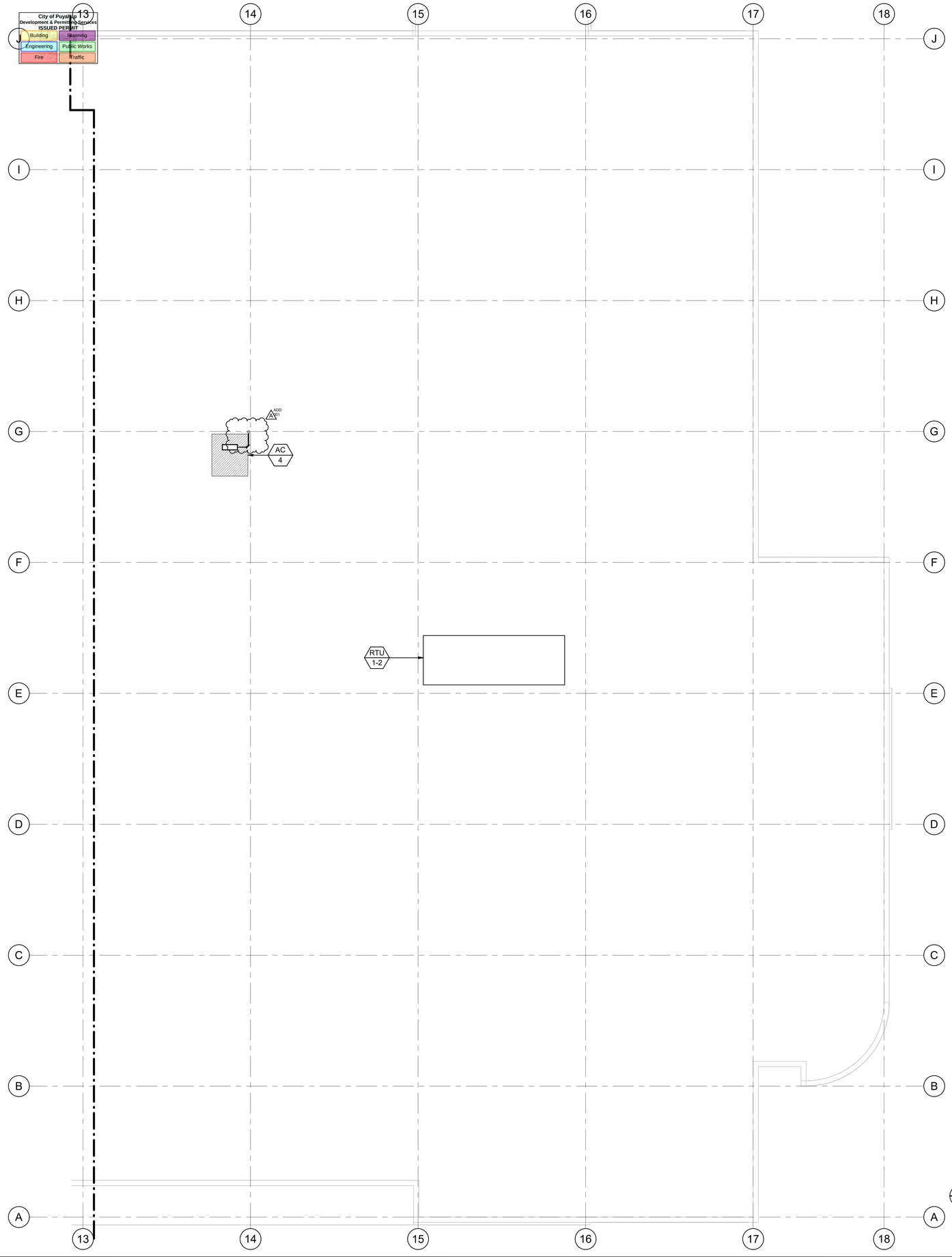

1 M3.12 LEVEL 11 - MECHANICAL ROOF PLAN - AREA B
1/8" = 1'-0"

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
MECHANICAL ROOF PLAN - AREA B

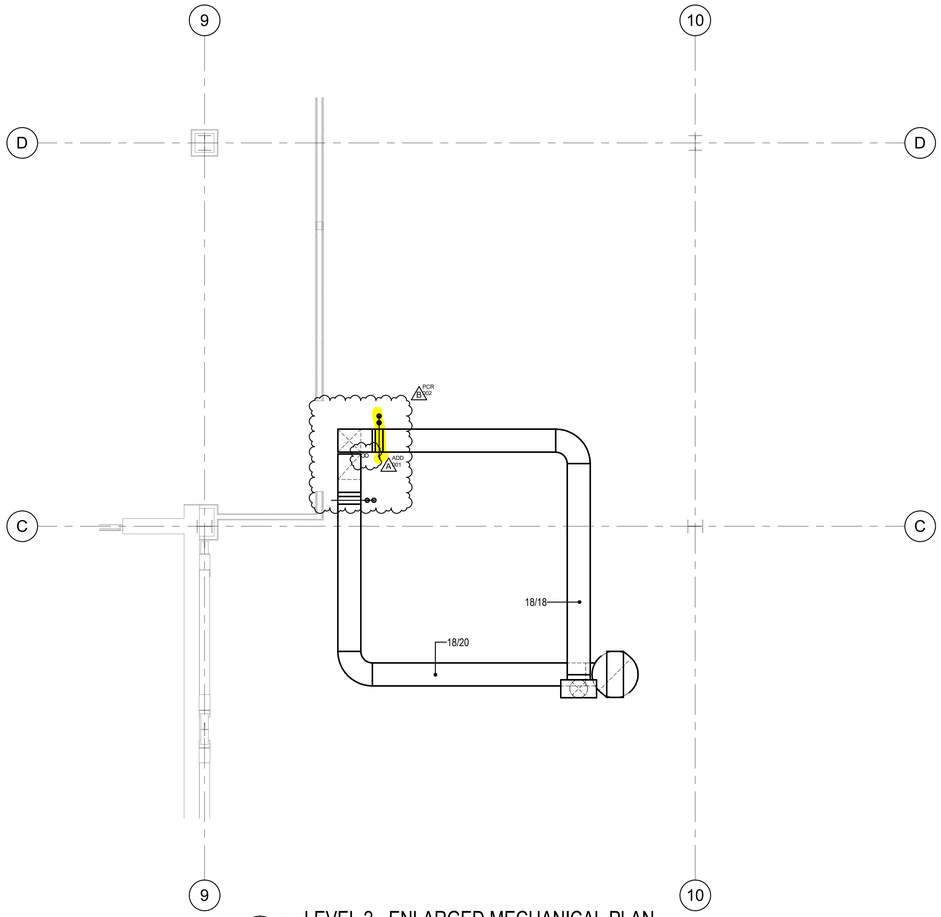
SHEET
M3.12

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/51524018 2-2023-TSC-MEP.rvt 4/4/2025 10:31:14 AM 1/8" = 1'-0"

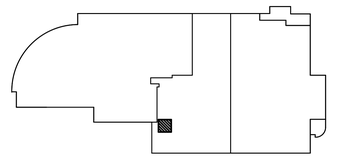
City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



1 LEVEL 2 - ENLARGED MECHANICAL PLAN
DIAGRAMMATIC

KEY PLAN



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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025
B	Plan Check Response 2	04/16/2025

SHEET TITLE:
MECHANICAL ENLARGED PLAN

SHEET
M4.01

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025

City of Puyallup
Development & Permitting Services
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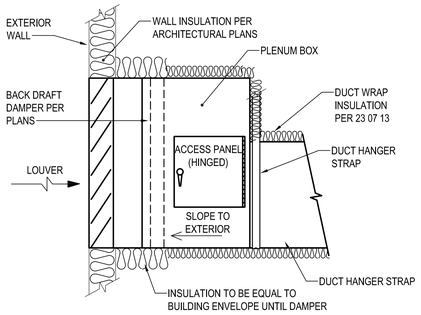
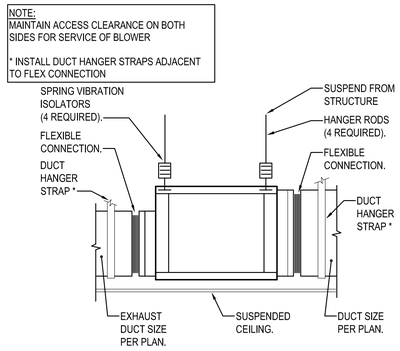
Building	Planning
Engineering	Public Works
Fire	Traffic



NOTE: PLENUMS SHALL BE SEALED WEATHER TIGHT.

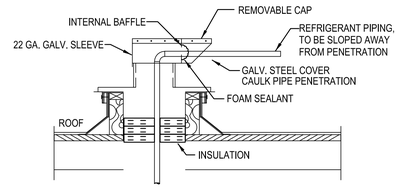
16 DUCT AT LOUVER INSTALLATION DETAIL

SCALE: DIAGRAMMATIC



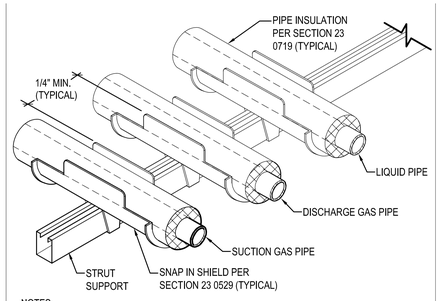
12 TYPICAL EXHAUST FAN INSTALLATION DETAIL

SCALE: DIAGRAMMATIC



8 REFRIGERANT THRU ROOF PENETRATION DETAIL

SCALE: DIAGRAMMATIC

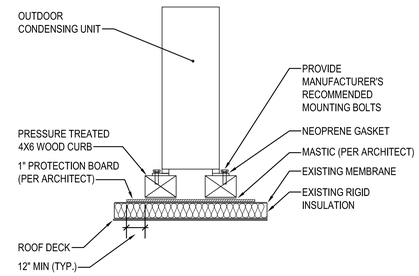


NOTES:

1. SUCTION GAS, DISCHARGE GAS, AND LIQUID PIPES SHALL BE INDIVIDUALLY SUPPORTED. AT NO TIME SHALL PIPES BE COMBINED AND INSTALLED WITHIN THE SAME SNAP IN SHIELD SUPPORT.
2. DETAIL APPLIES TO STRUT AND TRAPEZE STYLE SUPPORTS.

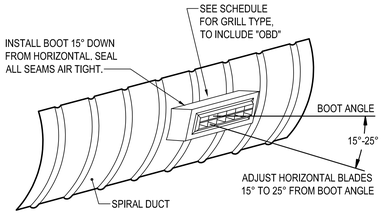
5 REFRIGERANT PIPE SUPPORT DETAIL

SCALE: NOT TO SCALE



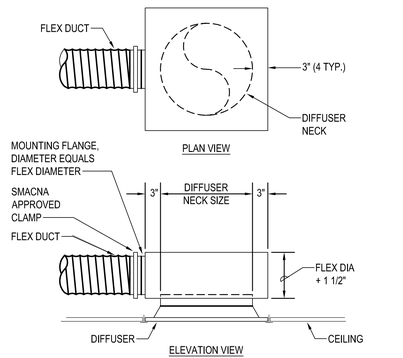
1 ROOFTOP CONDENSING UNIT SUPPORT DETAIL

SCALE: DIAGRAMMATIC



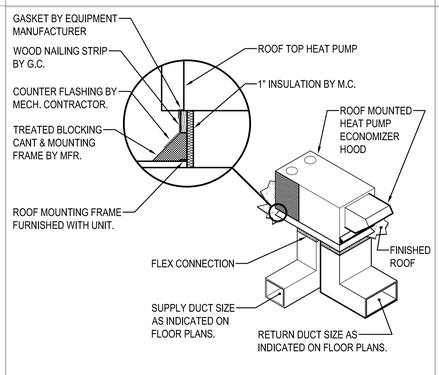
17 SUPPLY REGISTER ON SPIRAL DUCT INSTALLATION DETAIL

SCALE: DIAGRAMMATIC



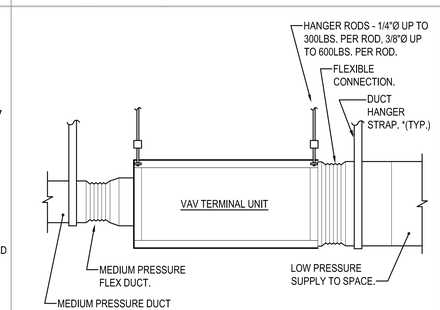
13 DIFFUSER CONNECTION DETAIL

SCALE: DIAGRAMMATIC



9 TYPICAL ROOF MOUNTED HVAC UNIT INSTALLATION DETAIL

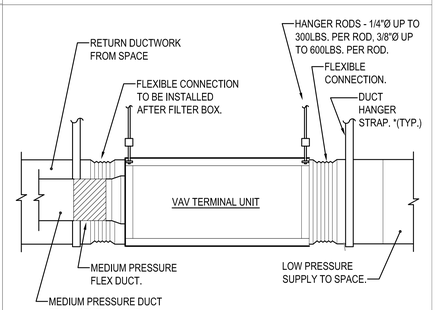
SCALE: DIAGRAMMATIC



* INSTALL DUCT HANGER STRAP ADJACENT TO FLEX CONNECTION.

6 DAMPER ONLY TYPE VAV TERMINAL UNIT INSTALLATION DETAIL

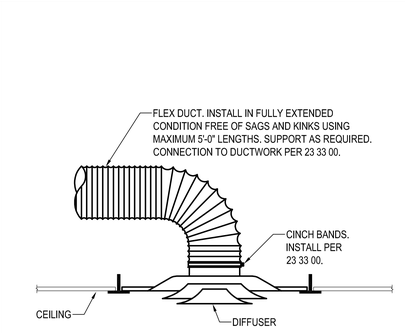
SCALE: DIAGRAMMATIC



* INSTALL DUCT HANGER STRAP ADJACENT TO FLEX CONNECTION.

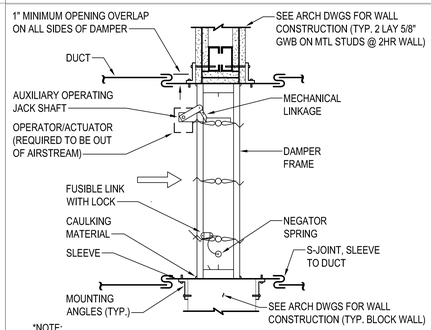
2 PARALLEL FAN TYPE VAV TERMINAL UNIT INSTALLATION DETAIL

SCALE: DIAGRAMMATIC



18 DIFFUSER CONNECTION DETAIL

SCALE: DIAGRAMMATIC

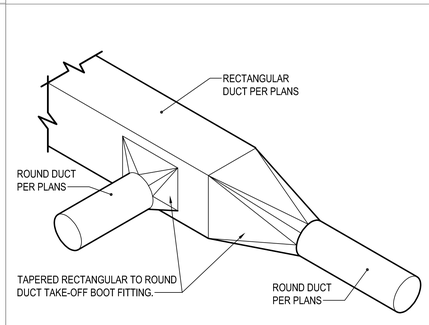


*NOTE:

1. BLADES TO BE AIRFOIL TYPE WHEN DAMPER IS TO BE INSTALLED WITHIN 10 FEET OF OUTLET AND IN ALL SOUND SENSITIVE AREAS.
2. FIRE/SMOKE DAMPERS HAVE BRAND SPECIFIC INSTRUCTIONS TO COMPLY WITH UL LISTINGS. MC TO PROVIDE INSTALLATION INSTRUCTIONS TO INSPECTOR AS REQUIRED.

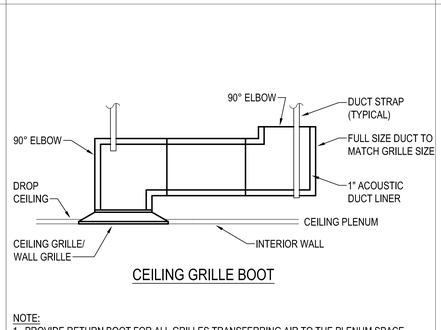
14 FIRE/SMOKE DAMPER INSTALLATION

SCALE: DIAGRAMMATIC



10 RECTANGULAR TO ROUND DUCT TAKE-OFF AND TRANSITION INSTALLATION DETAIL

SCALE: DIAGRAMMATIC

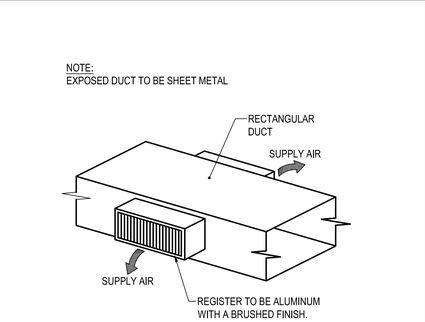


CEILING GRILLE BOOT

NOTE:
1. PROVIDE RETURN BOOT FOR ALL GRILLES TRANSFERRING AIR TO THE PLENUM SPACE.

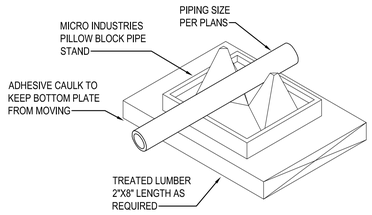
7 TYPICAL RETURN GRILLE BOOT SUPPORT DETAIL

SCALE: DIAGRAMMATIC



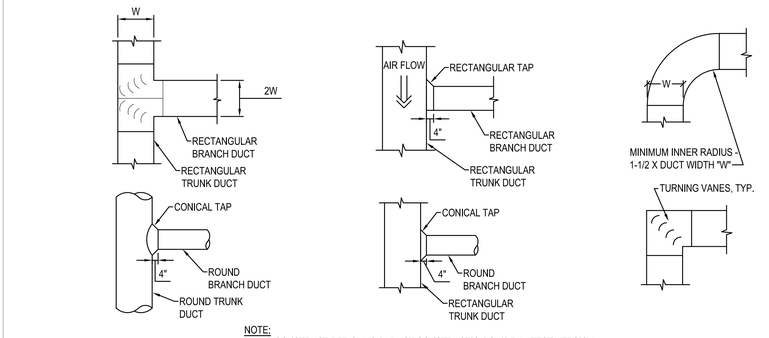
3 SUPPLY REGISTER ON EXPOSED DUCT DETAIL

SCALE: DIAGRAMMATIC



15 ROOFTOP PIPING INSTALLATION DETAIL

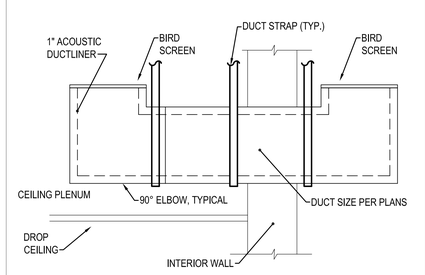
SCALE: DIAGRAMMATIC



NOTE:
1. CONSTRUCT PER SMACNA DUCT CONSTRUCTION GUIDE, LATEST VERSION.

11 TYPICAL DUCT ELBOW AND DUCT TEE DETAILS

SCALE: DIAGRAMMATIC



4 TYPICAL PLENUM TRANSFER THROUGH WALL INSTALLATION DETAIL

SCALE: DIAGRAMMATIC

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CHRISTOPHER ANDREW MACKENZIE — STATE OF WASHINGTON — 24019 — REGISTERED PROFESSIONAL ENGINEER — 02/27/2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:

MECHANICAL DETAILS I

SHEET

M5.01

JOB NO: 2170269.07

PERMIT/BID SET - 03.04.2025

City of Puyallup
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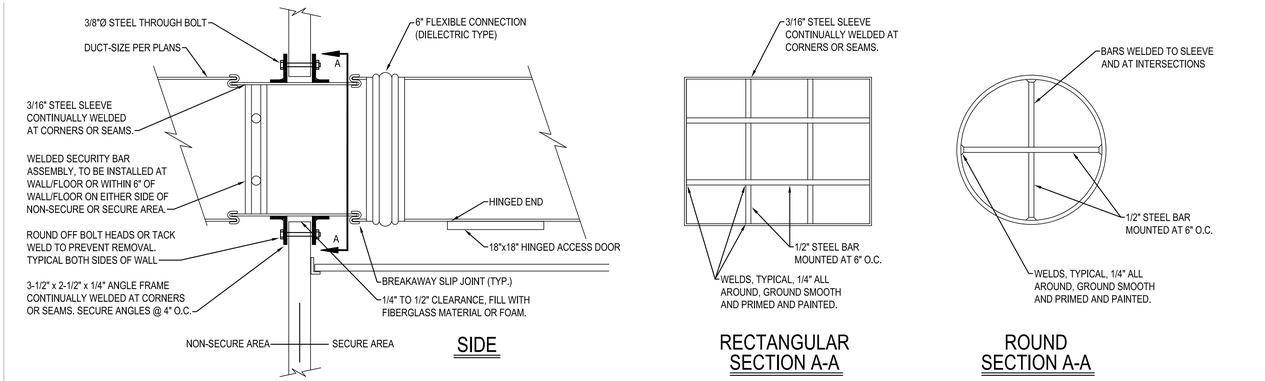
Engineering	Public Works
Fire	Traffic



1 SECURE AREA DUCT PENETRATION DETAIL

SCALE: DIAGRAMMATIC

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:

MECHANICAL DETAILS II

SHEET

M5.02

JOB NO. 2170269.07

PERMIT/BID SET - 03.04.2025

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Development & Permitting Services
ISSUED PERMIT
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Engineering | Public Works
Fire | Traffic

HEAT PUMP UNIT SCHEDULE

UNIT NO	MANUFACTURER	MODEL	LOCATION	AREA SERVED	AIRFLOW		SUPPLY FAN DATA				HEATING				COOLING				FILTERS	WEIGHT (LBS)	ELECTRICAL				STARTE R/VFD FURNISH ED BY	DISCONNECT FURNISHED BY	REMARKS
					CFM	LOWER MIN OSA	FLA	BHP	ESP	RPM	47 DEG HTG	17 DEG HTG	TYPE	MBH	NOM TONS	TOTAL MBH	SENSIBL E MBH	COP/IEER			MCA	MOP	VOLTS	PH			
HP-2	DAIKIN	DBH1204V	ROOFTOP	EOC	4000	600	2.9	0.6	0.8	1150.0	3.2 COP	2.05 COP	HEAT PUMP	140.0	13	140	110.0	3.2/11.6	MERV 8	1230	43.9	45	480	3	MFR	EC	1,2,3,4

ADD 001

NOTES:

1. SUPPLY AND RETURN DUCT SMOKE DETECTORS TO BE FURNISHED BY MC, INSTALLED BY EC.
2. PROVIDE WITH MANUFACTURER'S RECOMMENDED ROOF CURB, SLOPED TO MATCH ROOF PITCH.
3. PROVIDE WITH MANUFACTURER'S POWERED EXHAUST.
4. PROVIDE WITH MANUFACTURER'S 100% CAPABLE LOW LEAK ECONOMIZER WITH FAULT DETECTION.
5. PROVIDE WITH MANUFACTURER'S VFD MOTOR AND DRIVE.

EXISTING AIR HANDLING UNIT SCHEDULE

UNIT NO	MANUFACTURER	MODEL	LOCATION	AREA SERVED	AIRFLOW		SUPPLY FAN DATA		RELIEF AIR		FAN		GAS HEATING		CHILLED WATER COIL										FILTERS	WEIGHT (LBS)	ELECTRICAL			STARTER/VFD FURNISHED BY	DISCONNECT FURNISHED BY	REMARKS
					CFM	MIN OSA	BHP	ESP	CFM	ESP	QTY	HP EA	INPUT (MBH)	OUTPUT (MBH)	TOTAL MBH	SENSIBLE MBH	FACE AREA	EAT DB	EAT WB	LAT DB	LAT WB	GPM	EWT (DEG F)	LWT (DEG F)			MCA	VOLTS	PH			
RTU 1-2	DAIKIN	5WS0905A	ROOFTOP	1ST FLOOR SOUTH	44000	10000	56.8	2.5	38,000	0.8	1	15	987500	790000	1761721	1237489.0	72.6	80.0	67.0	54.3	54.0	358.0	42.0	52.0	MERV 13	14296	127	460	3	EC	EC	

NOTES: Separate structural submittal is required for rooftop equipment. Typical See G0.01

EXISTING VAV BOX SCHEDULE

UNIT NO	MANUFACTURER	MODEL	PRIMARY AIR VALVE			HEATING COIL DATA					FAN			REMARKS
			DIAMETER (IN)	MIN CFM	DESIGN CFM	KW	DT	CFM	VOLT/PH	STAGES	FLA	VOLT / PH	SPD	
VAV-102	NAILOR	35NE 512	12	290	1455	10	25	1165	480/3	2	6.1	277 /1	VAR	1,2

NOTES FOR VAV BOX SCHEDULE

1. TRANSITION DUCT FROM THE SIZE SHOWN ON THE PLAN TO THE INLET SIZE OF THE VAV BOX
2. PROVIDE MINIMUM 3 DUCT DIAMETERS STRAIGHT RUN OF DUCT AT INLET SIZE UPSTREAM OF THE VAV BOX

NEW VAV BOX SCHEDULE

UNIT NO	MANUFACTURER	MODEL	PRIMARY AIR VALVE			HEATING COIL DATA						FAN		REMARKS
			DIAMETER (IN)	MIN CFM	DESIGN CFM	KW	DT	CFM	VOLT/PH	STAGES	FLA	VOLT / PH	SPD	
VAV-105	NAILOR	35NE 616	16	920	3675	17.0	22	1700	480/3	2	6.1	277 /1	VAR	1,2,3
VAV-115	NAILOR	35NE 616	16	445	1770	12.5	22	1350	480/3	2	6.1	277 /1	VAR	1,2,3
VAV-137	NAILOR	35NE 514	14	225	785	6.5	22	1350	480/3	2	6.1	277 /1	VAR	1,2,3
VAV-149	NAILOR	35NE 312	12	45	185	3.5	22	850	480/3	2	3.5	277 /1	VAR	1,2,3
VAV-150	NAILOR	35NE 614	14	255	1020	7.5	22	1300	480/3	2	6.1	277 /1	VAR	1,2,3
VAV-151	NAILOR	35NE 616	16	545	2185	10.5	22	1250	480/3	2	6.1	277 /1	VAR	1,2,3
VAV-152	NAILOR	35NE 514	14	275	1105	6.5	22	1350	480/3	2	6.1	277 /1	VAR	1,2,3

NOTES FOR VAV BOX SCHEDULE

1. TRANSITION DUCT FROM THE SIZE SHOWN ON THE PLAN TO THE INLET SIZE OF THE VAV BOX
2. EC TO PROVIDE 120VAC, 15 AMP CIRCUIT TO ALL UNITS FOR CONTROL POWER, EACH 120VAC, 15 AMP CIRCUIT SHALL POWER UP TO 20 CONTROLLERS
3. PROVIDE MINIMUM 3 DUCT DIAMETERS STRAIGHT RUN OF DUCT AT INLET SIZE UPSTREAM OF THE VAV BOX

GRILLES, REGISTERS & DIFFUSERS SCHEDULE

UNIT NO	MANUFACTURER	MODEL	DESCRIPTION	AIR PATTERN	MOUNTING	FACE SIZE	COLOR	REMARKS
CD-1	TITUS	TDC-1	SUPPLY CEILING DIFFUSER	1 WAY	T-BAR	23-3/4" X 23-3/4"	WHITE	FRAME 3
CD-2	TITUS	TDC-2	SUPPLY CEILING DIFFUSER	2 WAY	T-BAR	23-3/4" X 23-3/4"	WHITE	FRAME 3
CD-3	TITUS	TDC-3	SUPPLY CEILING DIFFUSER	3 WAY	T-BAR	23-3/4" X 23-3/4"	WHITE	FRAME 3
CD-4	TITUS	TDC-4	SUPPLY CEILING DIFFUSER	4 WAY	T-BAR	23-3/4" X 23-3/4"	WHITE	FRAME 3
CDH-1	TITUS	TDC-1	SUPPLY CEILING DIFFUSER	1 WAY	SURFACE	NECK SIZE +5-3/4" TOTAL	AS SELECTED BY ARCHITECT	1, FRAME 6
CDH-2	TITUS	TDC-2	SUPPLY CEILING DIFFUSER	2 WAY	SURFACE	NECK SIZE +5-3/4" TOTAL	AS SELECTED BY ARCHITECT	1, FRAME 6
CDH-3	TITUS	TDC-3	SUPPLY CEILING DIFFUSER	3 WAY	SURFACE	NECK SIZE +5-3/4" TOTAL	AS SELECTED BY ARCHITECT	1, FRAME 6
CDH-4	TITUS	TDC-4	SUPPLY CEILING DIFFUSER	4 WAY	SURFACE	NECK SIZE +5-3/4" TOTAL	AS SELECTED BY ARCHITECT	1, FRAME 6
X-LSSX-X	TITUS	FT-10	LINEAR SLOT SUPPLY DIFFUSER	3 WAY	SURFACE	2 3/4" X 59 5/9"	AS SELECTED BY ARCHITECT	6, 7
DS	TITUS	DL	DRUM SUPPLY DIFFUSER	VARIABLE	WALL/DUCT	NECK SIZE +2-1/2" TOTAL	AS SELECTED BY ARCHITECT	
SDS	TITUS	300RL	SIDEWALL SUPPLY DIFFUSER	DOUBLE DEFLECTION	SURFACE	NECK SIZE +1-3/4" TOTAL	WHITE	1, 2
DDS	TITUS	S300FL	DUCT MOUNTED SUPPLY DIFFUSER	DOUBLE DEFLECTION	DUCT	SEE REFLECTED CEILING PLAN	AS SELECTED BY ARCHITECT	3
RG	TITUS	50F-A	RETURN/RELIEF GRILLE	-	T-BAR	23-3/4" X 23-3/4"	WHITE	5
RGH	TITUS	50F-A	RETURN/RELIEF GRILLE	-	SURFACE	NECK SIZE +1-3/4" TOTAL	WHITE	1, 5
EG	TITUS	50F-A	EXHAUST GRILLE	-	T-BAR	23-3/4" X 23-3/4"	WHITE	
EGH	TITUS	50F-A	EXHAUST GRILLE	-	SURFACE	NECK SIZE +1-3/4" TOTAL	WHITE	1
TGH	TITUS	50F-A	TRANSFER GRILLE	-	SURFACE	NECK SIZE +1-3/4" TOTAL	WHITE	
TGS	TITUS	350RL	SIDEWALL TRANSFER GRILLE	-	SURFACE	NECK SIZE +1-3/4" TOTAL	WHITE	2
CDH-LR-X	KEES	SDP3	LIGATURE RESISTANT SUPPLY CEILING DIFFUSER	(NOTE 5)	SURFACE	NECK SIZE +5-3/4" TOTAL	WHITE	1, 4, FRAME 6
RGH-LR	KEES	SEG-4P3	LIGATURE RESISTANT RETURN/RELIEF GRILLE	35° FIXED SINGLE DEFLECTION	SURFACE	NECK SIZE +1-3/4" TOTAL	WHITE	1, 4, FRAME 6

NOTES FOR GRILLES, REGISTERS & DIFFUSERS SCHEDULE

1. FURNISH WITH OPPOSED BLADE DAMPER (OBD)
2. FURNISH WITH HORIZONTAL FRONT BLADES
3. INCLUDE AIR SCOOP DAMPER
4. GRD SHALL BE SECURITY TYPE AND FACE PLATE SHALL HAVE ROUND HOLES ON STAGGERED CENTERS.
5. PROVIDE WITH INSULATED PLENUM BOOT OF EQUAL SIZE
6. PROVIDE WITH INSULATED PLENUM BOXES
7. LINEAR SLOT DIFFUSER CALLOUT: X-LSSX-X : (SLOT WIDTH - IN) - LSS (SUPPLY) (LENGTH OF SLOT-FT)- # OF SLOTS.

REBALANCED VAV BOX SCHEDULE

UNIT NO	MANUFACTURER	MODEL	PRIMARY AIR VALVE			HEATING COIL DATA					FAN			REMARKS
			DIAMETER (IN)	MIN CFM	DESIGN CFM	KW	DT	CFM	VOLT/PH	STAGES	FLA	VOLT / PH	SPD	
VAV-104	NAILOR	35NE 512	12	370	1365	9.0	31	910	480/3	2	6.1	277 /1	VAR	1,2
VAV-110	NAILOR	35NE 516	16	165	660	12.5	27	1460	480/3	2	6.1	277 /1	VAR	1,2
VAV-111	NAILOR	35NE 516	16	545	1540	12.5	27	1455	480/3	2	6.1	277 /1	VAR	1,2
VAV-112	NAILOR	35NE 514	14	350	1390	9.0	27	1030	480/3	2	6.1	277 /1	VAR	1,2
VAV-113	NAILOR	35NE 510	10	130	505	7.5	32	745	480/3	2	6.1	277 /1	VAR	1,2
VAV-114	NAILOR	35NE 514	14	85	350	9.0	26	1070	480/3	2	6.1	277 /1	VAR	1,2
VAV-116	NAILOR	35NE 514	14	250	1005	10.5	28	1190	480/3	2	6.1	277 /1	VAR	1,2
VAV-117	NAILOR	35NE 514	14	60	215	9.0	34	830	480/3	2	6.1	277 /1	VAR	1,2
VAV-119	NAILOR	35NE 514	14	445	1775	8.5	27	1005	480/3	2	6.1	277 /1	VAR	1,2
VAV-120	NAILOR	35NE 512	12	220	880	7	28	790	480/3	2	6.1	277 /1	VAR	1,2
VAV-121	NAILOR	D3001	14	285	1140	-	-	-	-	-	-	-	-	1,2
VAV-122	NAILOR	D3001	14	80	305	-	-	-	-	-	-	-	-	1,2
VAV-123	NAILOR	35NE 516	16	550	2185	14.0	34.0	1310.0	480/3	2.0	6.1	277 /1	VAR	1,2,3
VAV-124	NAILOR	D3001	14	220	870	-	-	-	-	-	-	-	-	1,2
VAV-125	NAILOR	D3001	14	130	510	-	-	-	-	-	-	-	-	1,2
VAV-126	NAILOR	D3001	16	195	740	-	-	-	-	-	-	-	-	1,2
VAV-127	NAILOR	D3001	16	140	550	-	-	-	-	-	-	-	-	1,2
VAV-128	NAILOR	D3001	14	215	855	-	-	-	-	-	-	-	-	1,2
VAV-129	NAILOR	D3001	14	190	735	-	-	-	-	-	-	-	-	1,2
VAV-130	NAILOR	D3001	14	335	1355	-	-	-	-	-	-	-	-	1,2
VAV-131	NAILOR	D3001	14	200	785	-	-	-	-	-	-	-	-	1,2
VAV-132	NAILOR	D3001	14	170	670	-	-	-	-	-	-	-	-	1,2
VAV-133	NAILOR	D3001	12	275	1060	-	-	-	-	-	-	-	-	1,2
VAV-134	NAILOR	D3001	12	215	855	-	-	-	-	-	-	-	-	1,2
VAV-135	NAILOR	D3001	14	235	930	-	-	-	-	-	-	-	-	1,2
VAV-136	NAILOR	D3001	16	215	850	-	-	-	-	-	-	-	-	1,2
VAV-138	NAILOR	D3001	6	30	120	-	-	-	-	-	-	-	-	1,2
VAV-139	NAILOR	D3001	6	20	65	-	-	-	-	-	-	-	-	1,2
VAV-140	NAILOR	D3001	12	150	595	-	-	-	-	-	-	-	-	1,2
VAV-141	NAILOR	D3001	12	215	850	-	-	-	-	-	-	-	-	1,2

NOTES FOR VAV BOX SCHEDULE

1. TRANSITION DUCT FROM THE SIZE SHOWN ON THE PLAN TO THE INLET SIZE OF THE VAV BOX
2. PROVIDE MINIMUM 3 DUCT DIAMETERS STRAIGHT RUN OF DUCT AT INLET SIZE UPSTREAM OF THE VAV BOX
3. RE-USE VAV-103. REMOVE FROM CURRENT LOCATION AND MOVE TO NEW LOCATION. EC TO PROVIDE 120VAC, 15 AMP CIRCUIT TO ALL UNITS FOR CONTROL POWER, EACH 120VAC, 15 AMP CIRCUIT SHALL POWER UP TO 20 CONTROLLERS

OUTDOOR SPLIT SYSTEM CONDENSING UNIT SCHEDULE

ADD 001

UNIT NO	MANUFACTURER	MODEL	LOCATION	COOLING			HEATING		ELECTRICAL				STARTER FURNISHED BY	DISCONNECT FURNISHED BY	WEIGHT (LBS)	REMARKS
				EER	SEER	TOTAL MBH	COP	TOTAL MBH	MCA	MOP	VOLTS	PH				
AC-1	SAMSUNG	AC024BXSCCC/AA	ROOF	9.6	18.5	24.0	-	-	20.1	25	208	1	MFR	EC	115.7	2,3,4,5
AC-2	SAMSUNG	AC024BXSCCC/AA	ROOF	9.6	18.5	24.0	-	-	20.1	25	208	1	MFR	EC	115.7	2,3,4,5
AC-3	SAMSUNG	AC018BXSCCC/AA	ROOF	12.0	20.0	18.0	-	-	13.5	15	208	1	MFR	EC	89.3	2,3,4,5
AC-4	SAMSUNG	AC018BXSCCC/AA	ROOF	12.0	20.0	18.0	-	-	13.5	15	208	1	MFR	EC	89.3	2,3,4,5

ADD 001

NOTES FOR SPLIT SYSTEM CONDENSING UNIT SCHEDULE

1. EC TO PROVIDE AND INSTALL POWER WIRING AND CONDUIT BETWEEN INDOOR AND OUTDOOR UNITS, CC TO INSTALL CONTROL WIRING BETWEEN UNITS
2. PROVIDE LONG LINE LENGTH KIT AND ADDITIONAL REFRIGERANT AS REQUIRED AND LOW AMBIENT KITS.
3. COOLING CAPACITY RATED AT AMBIENT CONDITIONS OF 95F DB/74F WB OUTDOOR AND 80F DB/67F WB INDOOR
4. HEATING CAPACITY RATED AT AMBIENT CONDITIONS OF 47F DB OUTDOOR AND 70F DB INDOOR
5. UNIT EER, SEER, AND HSPF RATED AT AHRI 210/240 TEST CONDITIONS

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025
B	Plan Check Response 1	04/09/2025

SHEET TITLE:
MECHANICAL SCHEDULES I

SHEET
M6.01

JOB NO: 2170269.07

PERMIT/BID SET - 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

Unable to locate this EWH @ A1111

DUCT SILENCER SCHEDULE

UNIT NO	MANUFACTURER	MODEL	UNIT SERVED	SYSTEM	AIRFLOW (CFM)	VELOCITY (FPM)	PD (IN WG)	DIMENSIONS		NET INSERTION LOSS (dB)							AIRFLOW-GENERATED NOISE (dB)								WEIGHT (LBS)	REMARKS
								LENGTH (FT)	FACE AREA (IN)	63 HZ	125 HZ	250 HZ	500 HZ	1K HZ	2K HZ	4K HZ	8K HZ	63 HZ	125 HZ	250 HZ	500 HZ	1K HZ	2K HZ	4K HZ	8K HZ		
DS-1	RUSKIN	AX-A	105	SUPPLY	3675	1200	0.095	4	3	11	14	25	38	45	42	30	19	71	70	65	66	58	51	49	44	200	1

NOTES FOR DUCT SILENCER SCHEDULE

1. PRESSURE DROP DOES NOT INCLUDE EFFECTS OF THE SILENCER'S LOCATION IN THE DUCT SYSTEM

EXHAUST FAN SCHEDULE

UNIT NO	MANUFACTURER	MODEL	LOCATION	CONFIGURATION	AREA SERVED	PERFORMANCE			DAMPER	SPEED CONTROL	HP	BHP	ELECTRICAL		STARTER FURNISHED BY	DISCONNECT FURNISHED BY	WEIGHT (LBS)	REMARKS
						CFM	ESP	RPM					VOLTS	PH				
EF-3	GREENHECK	SQ-18-M2-VG	A1124	INLINE	A1107-1109, A1111- A1112, A1116- A1118, A1120-A1121, A1126- A1127	3000	0.9	1074	NOTE 4	ECM, NOTE 11	2	0.71	208	3	NOTE 9	NOTE 9	203	1,2,3,4

NOTES FOR EXHAUST FAN SCHEDULE

1. ALL EXHAUST FANS TO BE WIRED FROM MOTOR TO BOX ON EXTERIOR OF FAN ENCLOSURE
2. SPEED CONTROL TO BE FACTORY WIRED TO THE OUTSIDE CABINET OF INLINE FANS
3. FAN MOTOR TO BE ECM
4. PROVIDE WITH CLASS 1A LOW LEAKAGE AIRFOIL BLADE MOTORIZED DAMPER AS SHOWN ON PLANS

DEHUMIDIFIER SCHEDULE

UNIT NO	MANUFACTURER	MODEL	LOCATION	WEIGHT (LBS)	MOUNTING HEIGHT (FT-IN)	ELECTRICAL			STARTER FURNISHED BY	DISCONNECT FURNISHED BY	REMARKS
						WATTS	VOLTS	PH			
DH-1	BROAN	B33DHW	A1111	57	0-6	324	120	1	MFR	MFR	1
DH-2	BROAN	B33DHW	A1108	57	0-6	324	120	1	MFR	MFR	1
DH-2	BROAN	B33DHW	A1127	57	0-6	324	120	1	MFR	MFR	1

NOTES FOR DEHUMIDIFIER SCHEDULE

1. PROVIDE CONDENSATE CONNECTION WITH P-TRAP AND ACCESS PANEL

ELECTRIC WALL HEATER SCHEDULE

UNIT NO	MANUFACTURER	MODEL	LOCATION	WEIGHT (LBS)	MOUNTING HEIGHT (FT-IN)	ELECTRICAL			STARTER FURNISHED BY	DISCONNECT FURNISHED BY	REMARKS
						WATTS	VOLTS	PH			
EWH-1	KING	PAW1215	A1111	10	0-6	1000	120	1	MFR	MFR	1,2,3,4

NOTES FOR ELECTRIC WALL HEATER SCHEDULE

1. PROVIDE WITH FACTORY INSTALLED DOUBLE POLE DISCONNECT
2. PROVIDE WITH BUILT IN THERMOSTAT, SET TO 50F
3. PROVIDE WITH STAINLESS STEEL GRILLE
4. LISTED MOUNTING HEIGHT IS TO THE BOTTOM OF HEATER

ADD 1

INDOOR SPLIT SYSTEM CONDENSING UNIT SCHEDULE

UNIT NO	MANUFACTURER	MODEL	LOCATION	INTERLOCKED WITH	COOLING			HEATING		ELECTRICAL				STARTER FURNISHED BY	DISCONNECT FURNISHED BY	WEIGHT (LBS)	REMARKS
					EER	SEER	TOTAL MBH	COP	TOTAL MBH	MCA	MOP	VOLTS	PH				
IU-1	SAMSUNG	AC024BNADCH/AA	A1132 SERVER	AC-1	9.6	18.5	24.0	-	-	1.0	-	208	1	MFR	EC	28	1,2,3,4,5
IU-2	SAMSUNG	AC024BNADCH/AA	A1132 SERVER	AC-2	9.6	18.5	24.0	-	-	1.0	-	208	1	MFR	EC	28	1,2,3,4,5
IU-3	SAMSUNG	AC018BNADCH/AA	A1005 CHAIR STORAGE	AC-3	12.0	20.0	18.0	-	-	1.0	-	208	1	MFR	EC	25.8	1,2,3,4,5
IU-4	SAMSUNG	AC018BNADCH/AA	A1074 IDF	AC-4	12.0	20.0	18.0	-	-	1.0	-	208	1	MFR	EC	25.8	1,2,3,4,5

NOTES FOR SPLIT SYSTEM CONDENSING UNIT SCHEDULE

1. EC TO PROVIDE AND INSTALL POWER WIRING AND CONDUIT BETWEEN INDOOR AND OUTDOOR UNITS, CC TO INSTALL CONTROL WIRING BETWEEN UNITS
2. PROVIDE LONG LINE LENGTH KIT AND ADDITIONAL REFRIGERANT AS REQUIRED
3. COOLING CAPACITY RATED AT AMBIENT CONDITIONS OF 95F DB/74F WB OUTDOOR AND 80F DB/67F WB INDOOR
4. HEATING CAPACITY RATED AT AMBIENT CONDITIONS OF 47F DB OUTDOOR AND 70F DB INDOOR
5. UNIT EER, SEER, AND HSPF RATED AT AHRI 210/240 TEST CONDITIONS

CEILING FAN SCHEDULE

UNIT NO	MANUFACTURER	MODEL	LOCATION	DIAMETER (FT)	WEIGHT (LBS)	MOUNTING HEIGHT (FT)	WATTS	ELECTRICAL		REMARKS
								VOLTS	PH	
CF-1	BIG ASS FANS	HAIKU	DT | FITNESS	5	18	12	22.4	120	1	1,2,3,4
CF-2	BIG ASS FANS	HAIKU	DT | FITNESS	5	18	12	22.4	120	1	1,2,3,4
CF-3	BIG ASS FANS	HAIKU	DT | FITNESS	5	18	12	22.4	120	1	1,2,3,4
CF-4	BIG ASS FANS	HAIKU	DT | FITNESS	5	18	12	22.4	120	1	1,2,3,4

NOTES FOR CEILING FAN SCHEDULE

1. PROVIDE WITH BACNET INTERFACE FOR SPEED CONTROL, CC TO INSTALL CONTROL WIRING BETWEEN FAN AND CONTROLLER
2. PROVIDE WITH OPTIONAL EXTENSION TUBES
3. FINISH TO BE SELECTED BY ARCHITECT
4. PROVIDE CENTRAL REMOTE CONTROLLER NEAR MAIN ENTRANCE TO SPACE

LOUVER SCHEDULE

UNIT NO	MANUFACTURER	MODEL	LOCATION	SYSTEM	DIMENSIONS			PERFORMANCE			REMARKS
					W (IN)	H (IN)	D (IN)	FREE AREA (SF)	CFM	VELOCITY (FPM)	
LV-1	GREENHECK	ESD-435	A1124	EXHAUST	48	24	4	3.84	2680	700	1,2

NOTES FOR LOUVER SCHEDULE

1. SIZES SHOWN ARE MINIMUM REQUIRED TO MEET SCHEDULED PERFORMANCE, COORDINATE FINAL LOUVER DIMENSIONS WITH ARCHITECT
2. COLOR TO BE SELECTED BY ARCHITECT
3. PROVIDE LOUVER THAT IS RATED FOR HIGH VELOCITY INTAKE TO MAINTAIN RAIN PENETRATION PERFORMANCE

FIRE/SMOKE DAMPER SCHEDULE

UNIT NO	RATING (HRS)	LOCATION	SYSTEM	DUCT DIMENSIONS	ELECTRICAL		DISCONNECT FURNISHED BY	REMARKS
				DIAMETER (IN)	VOLTS	PH		
FSD-1	2	A1109, A1128	SUPPLY	6	120	1	EC	1
FSD-2	2	A1107	SUPPLY	10	120	1	EC	1
FSD-3	2	A1109	RETURN	10	120	1	EC	1

NOTES FOR FIRE/SMOKE DAMPER SCHEDULE

1. SMOKE DETECTOR INSTALLED BY OTHERS.

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04/04/2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025
B	Plan Check Response 1	04/09/2025

SHEET TITLE:
MECHANICAL SCHEDULES II

SHEET
M6.02

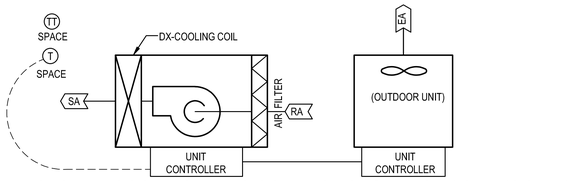
JOB NO. 2170269.07

PERMIT/BID SET - 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

CONTROL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
T	THERMOSTAT (T'STAT)	AFF	ABOVE FINISHED FLOOR
TT	TEMPERATURE SENSOR	BFF	BELOW FINISHED FLOOR
PS	SPACE PRESSURE SENSOR	POC	POINT OF CONNECTION
CO2	CARBON DIOXIDE SENSOR	MC	MECHANICAL CONTRACTOR
DP	DIFFERENTIAL PRESSURE SENSOR	EC	ELECTRICAL CONTRACTOR
CS	CURRENT SENSOR	GC	GENERAL CONTRACTOR
SD	DUCT SMOKE DETECTOR	G	GAS PIPE
FS	CEILING FAN CONTROL	RA	RETURN AIR
CR	CONTROL RELAY	SA	SUPPLY AIR
OC	OCCUPANCY SENSOR	OA	OUTSIDE AIR
SP	DUCT PRESSURE SENSOR	EA	EXHAUST AIR
E	EMERGENCY PUSH BUTTON	PA	PRIMARY AIR
FZ	FREEZE STAT		PUMP
FL	AIRFLOW SENSOR	VAR	VARIABLE (ADJUSTABLE)
M	MOTORIZED DAMPER	BDD	BACKDRAFT DAMPER

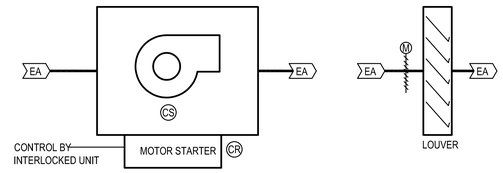


SPLIT SYSTEM COOLING UNITS CONTROL SEQUENCE (ICU-X/OCU-X)

A. SYSTEM OPERATION
1. COOLING UNIT SHALL BE CONTROLLED BY MANUFACTURER SUPPLIED SPACE THERMOSTAT. THE COMPRESSOR AND FAN UNIT SHALL CYCLE ON AND OFF TO MAINTAIN ROOM SET POINT. INITIAL SET POINT IS 75°F.
2. EMCS CONTRACTOR TO PROVIDE CONTROL WIRING BETWEEN INDOOR AND OUTDOOR EQUIPMENT AND PROVIDE A SECOND SPACE TEMPERATURE SENSOR FOR MONITORING.

B. INFORMATION TO BE AVAILABLE AT THE DDC WORK STATION:
- ROOM TEMPERATURE
- ROOM SET POINT

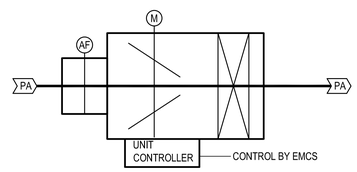
C. AUDIBLE AND VISUAL ALARMS AT CONTROL CONSOLE
- SPACE TEMPERATURE 78°F (3° ABOVE SET POINT) FOR MORE THAN 10 MINUTES



TYPICAL INTERLOCKED EXHAUST FAN

A. GENERAL
1. EXHAUST FAN SHALL BE INTERLOCKED WITH ITS ASSOCIATED UNIT VIA EMCS CONTROL RELAY.
2. DAMPER SHALL OPEN UPON ACTIVATION AND FAN SHALL START VIA DAMPER END SWITCH. DAMPER SHALL FAIL CLOSED.
3. EMCS SHALL MONITOR FAN AND GENERATE ALARM.

B. INFORMATION AT TERMINAL
- FAN ON/OFF AND STATUS (BY CURRENT SENSING RELAY)
- FAN RUNTIME
- FAN FAILURE ALARM (I.E. NO CURRENT WHEN COMMANDED ON)
- DAMPER POSITION (% COMMANDED OPEN)
- DAMPER END SWITCH STATUS



VAV TERMINAL WITH ELECTRIC REHEAT

A. GENERAL
1. THE TERMINAL UNIT SHALL BE CONTROLLED AND ENERGIZED AS SCHEDULED BY THE BUILDING DDC SYSTEM.

B. COOLING MODE
1. THE UNIT SHALL BE CONSIDERED AS RUNNING CONTINUOUSLY AND MAINTAIN SPACE TEMPERATURE SETPOINT BY MODULATING PRIMARY AIR DAMPER FROM LISTED MINIMUM AIRFLOW TO MAXIMUM LISTED AIRFLOW AS INDICATED ON THE EQUIPMENT SCHEDULE.

C. HEATING MODE
1. THE UNIT SHALL BE CONSIDERED AS RUNNING CONTINUOUSLY AND MAINTAIN SPACE TEMPERATURE SETPOINT BY MODULATING PRIMARY AIR DAMPER TO LISTED MINIMUM AIRFLOW. MODULATE ELECTRIC HEATING SCR CONTROL FROM MINIMUM TO MAXIMUM TO MAINTAIN SPACE TEMPERATURE SETPOINT. IF ELECTRIC HEATING COIL HAS BEEN AT MAXIMUM POSITION FOR 10 MIN AND SPACE TEMPERATURE SETPOINT IS STILL NOT MET MODULATE PRIMARY AIR DAMPER FROM MINIMUM AIRFLOW TO MAXIMUM AIRFLOW.

C. UNOCCUPIED MODE
1. THE AIRFLOW DAMPER SHALL BE CLOSED.

D. INFORMATION AT TERMINAL:
- UNIT COMMANDED MODE (HEATING/COOLING/UNOCCUPIED).
- DAMPER POSITION (% COMMANDED OPEN).
- ASSOCIATED SPACE(S) TEMPERATURE SETPOINT °F
- ASSOCIATED SPACE(S) TEMPERATURE °F
- AIRFLOW CFM

MISCELLANEOUS CONTROL ITEMS

A. GENERAL
1. PROVIDE AND INSTALL ALL NECESSARY DEVICES INCLUDING BUT NOT LIMITED TO: ACTUATORS, RELAYS, SWITCHES, SENSORS, DAMPERS, CONDUIT, AND WIRING REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) PER SPECIFICATIONS SECTION 23 09 00.
2. INTEGRATE ALL NEW EQUIPMENT INTO THE EXISTING EMCS. PROVIDE A GATEWAY FOR MONITORING AND ALARMING FOR THE CITY OF PUYALLUP POLICE DEPARTMENT. ACCESS AND MODIFICATIONS TO EQUIPMENT WITHIN THE SCOPE OF WORK, INCLUDING EXISTING EQUIPMENT, SHALL BE ASSUMED FULL. LOG IN FOR THE POLICE DEPARTMENT SHALL REQUIRE A UNIQUE ID AND PASSWORD TO BE DETERMINED CONFIDENTIALLY BETWEEN THE CONTROLS CONTRACTOR AND THE POLICE DEPARTMENT.

B. TIMING OF CONTROL WORK
1. THE CONTROL SYSTEM SHALL BE COMPLETE PRIOR TO BALANCING OF THE PROJECT, CONTROL PERSONNEL ARE TO ASSIST IN SYSTEM OPERATION FOR THE BALANCER. THE CONTROL SYSTEM SHALL BE COMPLETE PRIOR TO HVAC SYSTEM COMMISSIONING AND CONTROL PERSONNEL ARE TO ASSIST IN SYSTEM OPERATION AND TESTING DURING COMMISSIONING. THE CONTROL SYSTEM SHALL BE COMMISSIONED PRIOR TO OWNER OCCUPANCY.

C. FIRE ALARM SYSTEM SHUTDOWN
1. PROVIDE ALL NECESSARY CONDUIT, WIRING, AND ACCESSORIES TO SHUTDOWN EACH UNIT UPON ACTIVATION OF THAT UNITS SMOKE DETECTORS (SMOKE DETECTORS WITH DPDT ARE PROVIDED AND INSTALLED BY OTHERS). CONNECTIONS SHALL BE HARDWIRED, INDEPENDENT OF ANY CONTROL SYSTEM LOGIC, SO THE FAILURE OF THE CONTROL SYSTEM OR LOSS OF CONTROL SYSTEM POWER WILL IN NO WAY PREVENT THE ALARMED SMOKE DETECTOR SHUTDOWN OF THE EQUIPMENT. UPON RESET OF ALARMED DEVICE, SYSTEM SHALL AUTOMATICALLY RETURN TO NORMAL OPERATION. PROVIDE A TIME DELAY FOR EQUIPMENT START-UP TO PREVENT EXCESS LOAD STARTING AT THE SAME TIME.
2. IN ADDITION TO EQUIPMENT WITH SMOKE DETECTORS, SHUT DOWN ALL AIR HANDLING EQUIPMENT UPON ANY FIRE ALARM. CONTACTS IN THE FIRE ALARM SYSTEM ARE AVAILABLE FOR THIS PURPOSE. THIS GENERAL SHUTDOWN MAY BE ACCOMPLISHED BY USE OF THE CONTROL LOGIC AND IS NOT REQUIRED TO BE HARDWIRED, BUT SHALL BE OF A FAIL-SAFE NATURE SO AS TO PROVIDE THE NECESSARY SHUTDOWN IN CASE OF CONTROL FAILURE. RESTART SHALL BE AUTOMATIC WHEN ALARM IS CLEARED WITH START-UP DELAY TO AVOID EXCESS STARTING LOAD.

D. SYSTEM SCHEDULE:
1. OFF HOURS ARE 4:00 PM TO 6:00 AM AND WEEKENDS FOR AREAS OPEN TO THE PUBLIC. COORDINATE OFF HOURS DURING SETUP WITH THE POLICE SCHEDULE HOURS OF OPERATION.
2. MORNING WARM-UP IS TO BE STARTED AT AN "OPTIMAL START" TIME. SEE BELOW.
3. OCCUPIED HOURS ARE 6:00 AM TO 4:00 PM MONDAY THROUGH FRIDAY.
4. PROVIDE A 24/7 OCCUPANCY SCHEDULE.

E. PID LOOPS
1. WHENEVER A MOTOR SPEED, DAMPER POSITION, OR VALVE POSITION IS TO MODULATE IN RESPONSE TO A SENSOR OUTPUT, A PID LOOP IS TO BE UTILIZED TO ACHIEVE THE DESIRED CONTROL FUNCTION. PID LOOP VARIABLES SHALL BE TUNED PER INDUSTRY STANDARDS. PROPORTIONAL, INTEGRAL AND DERIVATIVE VARIABLES SHALL BE USED.

F. PROPORTIONAL CONTROL
1. WHENEVER THE TERM PROPORTIONAL IS USED IN THE SEQUENCES IT IS INTENDED THAT PID LOOPS ARE EMPLOYED TO ACHIEVE THAT CONTROL.

G. VARIABLE (VAR)
1. ALL TIME SETTINGS, TEMPERATURE VALUES, PRESSURE SETTINGS, CO2 SETTINGS AND SETPOINTS ARE TO BE VARIABLE AND SHALL BE ADJUSTABLE THROUGH THE EMCS.

H. INTERLOCKS
1. PROVIDE ALL NECESSARY EQUIPMENT, DEVICES, WIRING AND PROGRAMMING FOR INTERLOCK OF EQUIPMENT AS SHOWN ON EQUIPMENT SCHEDULES.

I. ITEMS TO BE PROVIDED BY EC, CONNECTED BY EMCS CONTRACTOR
1. SEE ENERGY METERING ON ELECTRICAL ONE LINE DRAWINGS FOR ITEMS RELATED TO MONITORING BUILDING POWER.
2. **PHASE FAILURE SAFETY:** EC TO PROVIDE SIGNAL FROM THE MAIN DISTRIBUTION PANEL OF A PHASE LOSS, PHASE UNBALANCE, PHASE REVERSAL AND UNDER/OVER VOLTAGE EVENT. IN SUCH AND EVENT ALL MECHANICAL EQUIPMENT SHALL BE SHUT DOWN WITHIN 15 SECONDS AND AN ALARM SOUNDED AT THE EMCS OPERATOR'S WORKSTATION (LOCAL AND REMOTE). THE EMCS SHALL RECORD AND PRINT ON THE EMCS PRINTER, THE TIME AND DATE OF THE EVENT AND THE OPERATOR'S ID WHO CLEARED THE ALARM. AFTER SUITABLE POWER HAS BEEN RESTORED AND A ONE MINUTE DELAY ALL MECHANICAL EQUIPMENT SHALL BE SEQUENTIALLY STARTED TO AVOID A POWER DRAW SURGE. EC IS TO PROVIDE POWER SENSING TAPS AHEAD OF ALL BRANCH DISCONNECTS AND SHALL BE INDIVIDUALLY FUSED WITH CURRENT LIMITING FUSE IF THERE IS MORE THAN ONE MAIN DISTRIBUTION BOARD, EACH BOARD SHALL BE SO EQUIPPED, CONNECTED AND MONITORED.
3. **OCCUPANCY SENSORS:** EC TO PROVIDE AN AUXILIARY CONTACT ON EACH OCCUPANCY SENSOR FOR CONNECTION AND MONITORING BY THE EMCS.

J. DOMESTIC WATER HEATERS
1. WATER HEATERS SHALL BE CONTROLLED BY THE FACTORY THERMOSTAT SET AT 140°F.

K. DOMESTIC HW CIRCULATION PUMPS
1. PUMP SHALL BE ENABLED TO OPERATE BY EMCS SCHEDULE. WHEN ENABLED, PUMP SHALL BE ACTIVATED VIA PIPE MOUNTED EMCS TEMPERATURE SENSOR. SETPOINT IS 105°F. PUMP TO BE CONTROLLED BY INTERNAL TORQUE SENSOR AND SOFTWARE. PUMP SHALL AUTOMATICALLY REDUCE SPEED IN RESPONSE TO SYSTEM THERMOSTATIC BALANCING VALVES CLOSING.

L. OPTIMUM START/STOP
1. PROVIDE SOFTWARE TO START EQUIPMENT ON A SLIDING SCHEDULE BASED UPON INDOOR AND OUTDOOR CONDITIONS, TO DETERMINE THE MINIMUM TIME OF HVAC SYSTEM OPERATION NEEDED TO SATISFY THE SPACE ENVIRONMENTAL REQUIREMENTS. THE PROGRAM
2. SHALL ALSO DETERMINE THE EARLIEST POSSIBLE TIME TO STOP THE MECHANICAL SYSTEMS. THE OPTIMUM START/STOP PROGRAM SHALL
3. OPERATE IN CONJUNCTION WITH, AND BE COORDINATED WITH, THE SCHEDULED START/STOP AND NIGHT SETBACK PROGRAMS.
4. INITIAL SPACE HEATING SET POINT IS 68°F, INITIAL COOLING SET POINT IS 75°F.
5. INITIAL SPACE HEATING SUPPLY TEMPERATURE HIGH LIMIT IS 100°F, HEATING SUPPLY TEMPERATURE LOW LIMIT IS 68°F.
6. INITIAL SPACE COOLING SUPPLY TEMPERATURE HIGH LIMIT IS 70°F, COOLING SUPPLY TEMPERATURE LOW LIMIT IS 55°F.
7. INITIAL SPACE NIGHT SETBACK HEATING SET POINT IS 55°F, INITIAL SPACE NIGHT SETBACK COOLING SET POINT IS 85°F.

M. EMERGENCY AIR DISTRIBUTION SYSTEM SHUTDOWN:
1. CONTROLS CONTRACTOR SHALL PROVIDE BLUE MUSHROOM EMERGENCY PUSHBUTTON AND WIRE TO RECORD PUSHBUTTON STATUS. UPON ACTIVATION, EMCS SHALL BROADCAST A SYSTEM WIDE SHUT DOWN OF ALL HVAC EQUIPMENT AND CLOSE ALL DAMPERS (EXCEPT FOR COMMUNICATION ROOM UNITS). SEE FLOOR PLANS FOR PUSHBUTTON LOCATION. FINAL PUSHBUTTON LOCATION TO BE COORDINATED WITH OWNER.

N. THERMOSTAT CONTROL
1. WHEN INDIVIDUAL HVAC EQUIPMENT THAT PROVIDES BOTH HEATING AND COOLING IS CONNECTED TO A NEIGHBORING ZONE BY OPENINGS LARGER THAN 10% OF THEIR FLOOR AREA OR OPERABLE WALLS. EMCS SYSTEM SHALL ENSURE THAT SIMULTANEOUS OPERATION OF HEATING AND COOLING DOES NOT OCCUR.

O. TRENDING
1. ALL CONTROL SYSTEM INPUT AND OUTPUT POINTS SHALL BE ACCESSIBLE AND PROGRAMMED FOR TRENDING. A GRAPHIC TRENDING PACKAGE SHALL BE PROVIDED.

P. METERS
1. ALL METERING INFORMATION SHALL BE READILY ACCESSIBLE BY A VISIBLE DISPLAY AT THE OPERATOR WORKSTATION. THE SYSTEM SHALL STORE ALL METERING DATA FOR A MINIMUM OF 36 MONTHS. SYSTEM SHALL PROVIDE REAL TIME ENERGY CONSUMPTION DATA AND LOGGED DATA FOR ANY HOUR, DAY, MONTH, OR YEAR. INTEGRATE NEW EQUIPMENT INTO EXISTING METERING SYSTEMS.
2. ENERGY SOURCE METERING SHALL BE PROVIDED AS FOLLOWS WHERE PREVIOUSLY EXISTING:
   a. ELECTRICAL ENERGY - CONTROLS CONTRACTOR SHALL WIRE TO KW PULSE OUTPUT PROVIDED AT MAIN ELECTRICAL SWITCHBOARD. SEE ELECTRICAL PLANS FOR LOCATION.
3. END-USE METERING SHALL BE PROVIDED AS FOLLOWS:
   b. HVAC SYSTEM ENERGY USE - CONTROLS CONTRACTOR SHALL PROVIDE METERS AND CURRENT TRANSDUCERS TO MONITOR AND RECORD POWER CONSUMPTION OF THE HVAC SYSTEM. CC TO INSTALL METERS AND CURRENT TRANSDUCERS AS REQUIRED.
   c. DOMESTIC WATER HEATING - CONTROLS CONTRACTOR SHALL PROVIDE METERS AND CURRENT TRANSDUCERS TO MONITOR AND RECORD POWER CONSUMPTION OF THE DOMESTIC HOT WATER SYSTEM. CC TO INSTALL METERS AND CURRENT TRANSDUCERS AS REQUIRED.
   c. LIGHTING - CONTROLS CONTRACTOR SHALL PROVIDE METERS AND CURRENT TRANSDUCERS TO MONITOR AND RECORD POWER CONSUMPTION OF THE LIGHTING SYSTEM. CC TO INSTALL METERS AND CURRENT TRANSDUCERS AS REQUIRED.
   c. PLUG LOADS - CONTROLS CONTRACTOR SHALL MONITOR AND RECORD PLUG LOAD ENERGY CONSUMPTION BY SUBTRACTING THE HVAC, DOMESTIC WATER HEATING, AND LIGHTING FROM THE TOTAL BUILDING ELECTRICAL CONSUMPTION.

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
MECHANICAL CONTROLS I

SHEET
M7.01

JOB NO. 2170269.07

PERMIT/BID SET - 03.04.2025

City of Puyallup
Development & Permitting Services
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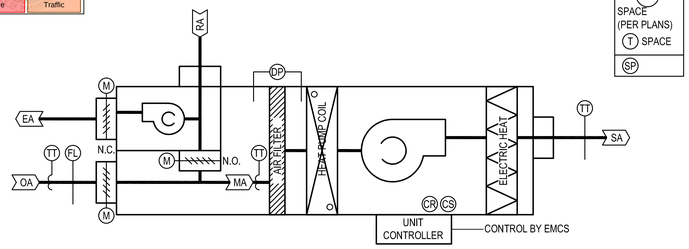
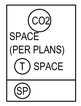
Fire | Traffic





WIRING DETAIL KEY

R = POWER
E = COMMON
G = SUPPLY FAN ENABLE
Y1 = COMPRESSOR 1 ENABLE
Y2 = COMPRESSOR 2 ENABLE
DC1, DC2 = COMPRESSOR ANALOG SIGNAL
O = REVERSING VALVE ENABLE
W1 = AUX ELECTRIC HEAT ENABLE
+, - = AUX HEATING ANALOG SIGNAL
PE = EXHAUST FAN ENABLE
B1, B2 = ANALOG EXHAUST FAN SPEED CONTROL
S1, S2 = ANALOG SUPPLY FAN SPEED CONTROL
C1, C2 = CLOGGED FILTER SWITCH

R	E	G	Y1	Y2	DC1	DC2	O	W1	+-	PE	B1	B2	EC1	EC2	S1	S2	C1	C2

WIRING DETAIL

ROOFTOP PACKAGED HEATPUMP SINGLE ZONE VAV UNIT (RPU-1)

A. GENERAL
1. (VAR) IS AN ABBREVIATION THAT THE PRECEDING NOUN IS AN EMCS VARIABLE VALUE.
2. SPACE TEMPERATURE SENSORS SHALL BE EQUIPPED WITH PUSHBUTTONS TO PROVIDE UNOCCUPIED OVERRIDE REQUEST AND SPACE TEMPERATURE SETPOINT ADJUSTMENT (4°F OF ADJUSTABILITY, 2°F UP, 2°F DOWN FROM DDC SETPOINT) OVERRIDE RUNTIME SHALL BE 1 HOUR (VAR). NIGHT SETBACK TEMPERATURE SETPOINT SHALL BE 55°F HEATING AND 85°F COOLING (VAR).
3. NOTE: VERIFY WIRING DETAIL WITH MANUFACTURER. CC IS RESPONSIBLE FOR PROVIDING REQUIRED POINTS OF CONTROL WHEN NOT PROVIDED BY UNIT MANUFACTURER.

B. SUPPLY FAN
1. SUPPLY FAN SHALL START VIA A SCHEDULE (VAR) OR OVERRIDE COMMAND (VAR). OVERRIDE COMMAND IS TRIGGERED BY SPACE TEMPERATURE SENSOR UNOCCUPIED OVERRIDE REQUEST, SPACE TEMPERATURE SENSOR CALLING FOR NIGHT SETBACK CONDITIONING, OR BY EMCS USER INTERFACE. SEE SCHEDULES FOR HEATING AND COOLING AIRFLOWS.
2. SUPPLY FAN SHALL MODULATE FROM 50% (VAR) OF MAXIMUM SCHEDULED VALUE TO MAXIMUM AS THIRD STAGE OF COOLING.
3. SUPPLY FAN SHALL MODULATE FROM 50% (VAR) OF MAXIMUM SCHEDULED VALUE TO MAXIMUM AS SECOND STAGE OF HEATING.
4. FAN ALARMS:
   a. FAN ALARM ACTIVATES IF FAN STATUS FAILS TO ACTIVATE AFTER FAN HAS BEEN STARTED. EMCS RECORDS FAN ALARM. SOFTWARE FAN SHUTDOWN UPON LOW LIMIT ALARM ACTIVATION. EMCS RECORDS LOW LIMIT ALARM. AUTO RESET THREE TIMES PRIOR TO A SOFTWARE RESET TO PREVENT RECYCLING.

C. EXHAUST FAN
1. EXHAUST FAN MODULATES TO MAINTAIN A RELATIVE SPACE PRESSURE OF 0.02" W.C. (VAR)

D. ECONOMIZER
1. ECONOMIZER CONSISTS OF THE RETURN AIR DAMPER AND OUTSIDE AIR DAMPER WORKING IN OPPOSITION. OUTSIDE AIR DAMPER SPRINGS NORMALLY CLOSED AND RETURN AIR DAMPER SPRINGS NORMALLY OPEN.
2. ECONOMIZER IS CLOSED WHEN FAN IS OFF, THE SYSTEM IS IN WARM-UP MODE OR THE SYSTEM IS IN NIGHT SETBACK MODE.
3. MODULATE MINIMUM DAMPER POSITION FOR CO2 CONTROL. GENERATE ALARM IF SPACE CO2 RISES ABOVE 1000 PPM (VAR).
4. UPON C02 FAILURE ESTABLISH ECONOMIZER MINIMUM DAMPER POSITION BASED ON SCHEDULED AIRFLOW.
5. ECONOMIZER MODULATES AS FIRST STAGE OF COOLING TO MAINTAIN SPACE TEMPERATURE SETPOINT (VAR).
6. ECONOMIZER CLOSES TO MINIMUM DAMPER POSITION WHEN THE OUTSIDE AIR TEMPERATURE EXCEEDS THE RETURN AIR TEMPERATURE.
7. ECONOMIZER CLOSES COMPLETELY WHEN THE MIXED AIR TEMPERATURE DROPS BELOW 40°F (VAR).

E. MECHANICAL HEATING
1. COMPRESSOR(S) ARE OFF WHEN FAN IS OFF.
2. MODULATE COMPRESSOR(S) FOR FIRST STAGE HEATING TO MAINTAIN SPACE TEMPERATURE SETPOINT AND SUPPLY TEMPERATURE UPPER OR LOWER LIMIT.
3. IN STAGE TWO HEATING CONTINUE TO MODULATE COMPRESSOR(S) TO MAINTAIN SUPPLY AIR TEMPERATURE UPPER OR LOWER LIMIT WHILE MODULATING SUPPLY FAN TO MAXIMUM.
4. MODULATE SCR CONTROL ELECTRIC AUX HEAT FOR THIRD STAGE HEATING IF COMPRESSOR(S) AND SUPPLY FAN ARE BOTH AT 100% CAPACITY.
5. USE DELAY TIMERS TO PREVENT SHORT CYCLING COMPRESSOR(S).

F. MECHANICAL COOLING
1. COMPRESSOR(S) ARE OFF WHEN FAN IS OFF.
2. MODULATE COMPRESSOR(S) FOR SECOND STAGE COOLING IF EITHER:
   a. ECONOMIZER IS FULLY OPEN AND OSA TEMPERATURE IS LESS THAN SPACE TEMPERATURE.
   b. ECONOMIZER IS AT MINIMUM POSITION AND OSA TEMPERATURE IS GREATER THAN SPACE TEMPERATURE.
3. IN STAGE THREE COOLING CONTINUE TO MODULATE COMPRESSOR(S) TO MAINTAIN SUPPLY AIR TEMPERATURE LOWER LIMIT.
4. USE DELAY TIMERS TO PREVENT SHORT CYCLING COMPRESSOR(S).

G. TEMPERATURE SETPOINT
1. ROOM AIR TEMPERATURE SETPOINT IS 70°F (VAR) FOR HEATING CONTROL AND 75°F (VAR) FOR COOLING CONTROL.
2. SUPPLY AIR TEMPERATURE TO REMAIN BETWEEN 55°F AND 95°F (VAR). SUPPLY AIR LOW LIMIT IN HEATING OR DEADBAND MODE SHALL BE 70°F (VAR).

H. UNOCCUPIED MODE:
1. DISABLE THE SUPPLY AND RETURN FAN(S) AND CLOSE THE ECONOMIZER AND RELIEF DAMPER.
2. IF THE SPACE TEMPERATURE FALLS BELOW THE UNOCCUPIED ROOM TEMPERATURE SETPOINT (VAR), THE AHU SHALL BE ENABLED AND THE ECONOMIZER SHALL BE CLOSED UNTIL THE UNOCCUPIED ROOM TEMPERATURE SETPOINT HAS BEEN SATISFIED.
3. OVERRIDE REQUEST:
   a. OVERRIDE COMMAND CAN BE TRIGGERED BY THE SPACE TEMPERATURE SENSOR. THE AHU SHALL BE ENABLED IN OCCUPIED MODE. THE AHU SHALL OPERATE IN OCCUPIED MODE FOR 1 HOUR (VAR) BEFORE RETURNING TO UNOCCUPIED MODE.
   b. AN OVERRIDE COMMAND CAN ALSO BE TRIGGERED BY EMCS USER INTERFACE.

I. FIRE ALARM SHUTDOWN
1. UPON A GENERAL FIRE ALARM ALL AIR HANDLING EQUIPMENT SHALL SHUTDOWN. THE UNITS THAT HAVE SMOKE DETECTORS SHALL SHUTDOWN THAT SPECIFIC UNIT IF SMOKE IS SENSED IN THE DUCTWORK AND THE DDC SYSTEM SHALL COMMAND A SOFTWARE SHUTDOWN OF ALL AIR HANDLING EQUIPMENT.

J. OUTSIDE AIRFLOW MONITORING
1. OUTSIDE AIR DAMPER SHALL MODULATE TO MAINTAIN THE MINIMUM OUTSIDE AIR QUANTITY LISTED VIA THE AIRFLOW MONITORING STATION.
2. OPERATION SHALL BE OVERRIDDEN BY ECONOMIZER AND DEMAND CONTROL VENTILATION MODES VENTILATION AIR SHALL NOT DROP BELOW THE MINIMUM DCV VALUE LISTED ON THE SCHEDULE DURING OCCUPIED MODE.

K. FAULT DETECTION AND DIAGNOSTICS
THE SINGLE ZONE VAV UNIT CONTROLLER SHALL BE CAPABLE OF THE FOLLOWING:
1. THE OPERATION OF EACH COMPONENT (FANS, ECONOMIZER, ETC.) CAN BE MANUALLY INITIATED SO THEY MAY BE TESTED AND VERIFIED.
2. TEST OUTSIDE AIR DAMPER FAILURE BY PERFORMING THE FOLLOWING ONCE A MONTH;
   a. COMMAND OUTSIDE AIR DAMPER CLOSED, AND VERIFY OUTSIDE AIR GOES TO ZERO.
   b. COMMAND OUTSIDE AIR DAMPER FULL OPEN, AND VERIFY THE UNIT IS CONTROLLING TO WITHIN 10% OF DESIGN AIRFLOW.
3. CONTROLLER SHALL BE CONFIGURED TO REPORT THE FOLLOWING FAULTS:
   a. AIR TEMPERATURE SENSOR FAILURE.
   b. NOT ECONOMIZING WHEN THE UNIT SHOULD BE ECONOMIZING.
   c. ECONOMIZING WHEN THE UNIT SHOULD NOT BE ECONOMIZING.
   d. OUTDOOR AIR OR RETURN AIR DAMPER NOT MODULATING.
   e. EXCESS OUTDOOR AIR.

L. INFORMATION AT THE TERMINAL
- UNIT COMMANDED MODE (OCCUPIED/UNOCCUPIED, HEATING/COOLING)
- ZONE TEMPERATURE
- ZONE TEMPERATURE SETPOINT
- SUPPLY AIR TEMPERATURE
- MIXED AIR TEMPERATURE
- OSA CFM
- DAMPER POSITIONS (% COMMANDED OPEN)
- FAN RUNTIME TOTALIZATION
- OVERRIDE STATUS
- ECONOMIZER (FREE COOLING) AVAILABLE
- ECONOMIZER ENABLED
- OVERRIDE TIMER VALUE
- SETPOINTS
- CO2 LEVEL/SETPOINT/ALARM
- EMCS GENERATED FAULTS & ALARMS
- FAN ALARM
- FAN SPEED
- FAN ON/OFF
- FAN POWER
- COMPRESSOR(S) SPEED
- COMPRESSOR(S) STATUS

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02/27/2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
MECHANICAL CONTROLS II

SHEET
M7.02

JOB NO. 2170269.07

PERMIT/BID SET - 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

PLUMBING LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
E	EXISTING PIPING (LIGHT LINEWEIGHT, LINE TYPE TO MATCH SYSTEM)		DOMESTIC COLD WATER (CW)
	GATE VALVE (GV)		DOMESTIC HOT WATER (HW)
	GLOBE VALVE		DOMESTIC HOT WATER CIRCULATING (HWC)
	PRESSURE REDUCING VALVE (PRV)	W	SOIL, WASTE (S, W)
	CHECK VALVE (CV)		VENT (V), OR HIDDEN BELOW WASTE
	FLOW CONTROL VALVE	R	REFRIGERANT PIPING (1) ADD 001 A
	TEMP./PRESS. RELIEF VALVE (T&PRV)	A	COMPRESSED AIR
	BALL VALVE		WASTE OR VENT UP
	BALANCING COCK (BC)		WALL CLEANOUT
	PIPE DOWN		FLUSH CLEANOUT (FCO/SCO)
	PIPE UP		CLEAN OUT (CO)
	BRANCH-TOP CONNECTION		IN LINE WASTE CONNECTION
	BRANCH-BOTTOM CONNECTION		P-TRAP
	BRANCH-SIDE CONNECTION		BRANCH PIPE DOWN
	FLOW DIRECTION		BRANCH PIPE UP
OR	VALVE IN RISER / DROP		TEE & UP
	PIPE ANCHOR		TEE
	PIPE GUIDE		ELBOWS, 90° & 45°
	FLEXIBLE CONNECTION (PIPE)		CAP
	REDUCER		PUMP
	STRAINER		WALL HYDRANT
	UNION	T	THERMOMETER
	DRAIN VALVE	P	PRESSURE GAGE
	FLOOR SINK		FLOOR DRAIN
MC	MECHANICAL CONTRACTOR		FLOOR FUNNEL DRAIN
EC	ELECTRICAL CONTRACTOR		CROSSING LINES, NON CONNECTING
GC	GENERAL CONTRACTOR		PIPE CONTINUATION
POC	POINT OF CONNECTION	A	AQUASTAT
BFF	BELOW FINISHED FLOOR		TRAP PRIMER WITH ACCESS PANEL
AFF	ABOVE FINISHED FLOOR		

NOTES FOR MECHANICAL LEGEND SCHEDULE.

(1) SINGLE LINE INDICATED ON PLANS DESIGNATES THE PROPOSED ROUTING FOR THE REFRIGERATION PIPING BETWEEN THE INDOOR AND OUTDOOR UNITS. THAT SINGLE LINE REPRESENTS ALL THE REQUIRED PIPING RUNS REQUIRED FOR THE SYSTEM DESIGNED.

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04/04/2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025
B	Plan Check Response 1	04/09/2025

SHEET TITLE:
PLUMBING LEGEND

SHEET
P0.01

JOB NO: 2170269.07

PERMIT/BID SET - 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

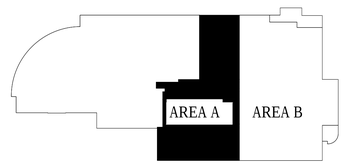
GENERAL NOTES

1. ITEMS SHOWN DARK AND DASHED ARE EXISTING ITEMS TO BE REMOVED. ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN.

DEMOLITION NOTES

1. AREA OF SLAB CUT AND PATCH REQUIRED FOR CONNECTION OF NEW FIXTURES TO EXISTING WASTE LINES. AREAS SHOWN ON THIS PLAN FOR REFERENCE ONLY. SLAB CUT AND PATCH BY GC.
2. FOUNDATION WORK NEEDED TO ACCOMMODATE WASTE PIPE.

KEY PLAN



1 / PD1.11 PLUMBING DEMOLITION PLAN - AREA A
1/8" = 1'-0"

PERMIT/BID SET - 03.04.2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:

PLUMBING DEMOLITION PLAN - AREA A

SHEET

PD1.11

JOB NO: 2170269.07

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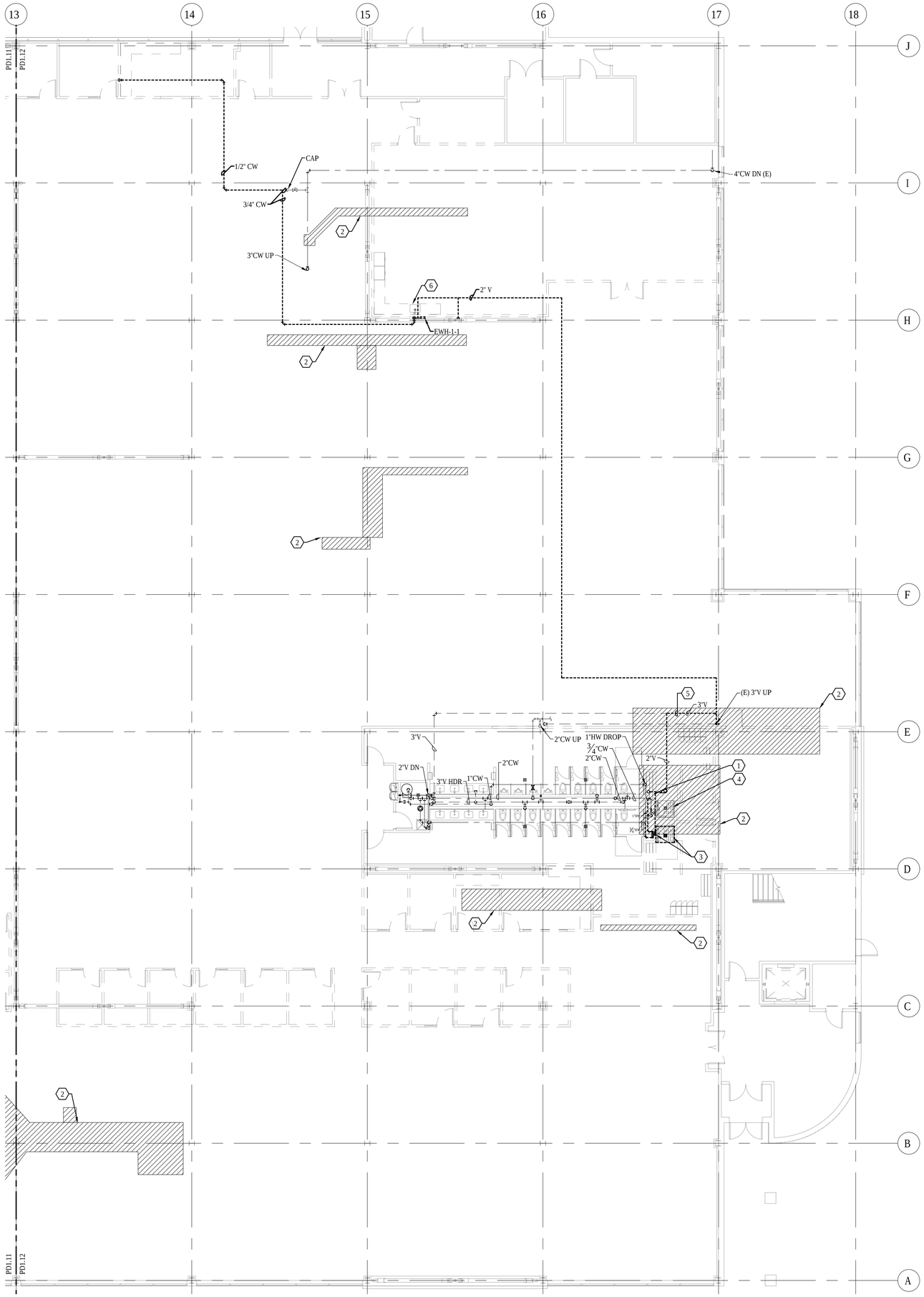


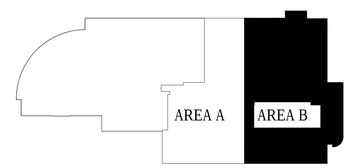
GENERAL NOTES

1. ITEMS SHOWN DARK AND DASHED ARE EXISTING ITEMS TO BE REMOVED. ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN.

DEMOLITION NOTES

1. CAP AND CONCEAL WASTE PIPING BELOW SLAB
2. AREA OF SLAB CUT AND PATCH REQUIRED FOR CONNECTION OF NEW FIXTURES TO EXISTING WASTE LINES. AREAS SHOWN ON THIS PLAN FOR REFERENCE ONLY. SLAB CUT AND PATCH BY GC.
3. REMOVE SHOWER, DRAIN, AND ASSOCIATED PIPING
4. EXISTING SHOWER TO REMAIN.
5. REMOVE EXISTING 3" VENT LINE UP THROUGH ROOF FOR REPLACEMENT WITH 4".
6. DEMOLISH EXISTING BREAK ROOM SINK INCLUDING ALL WASTE, DOMESTIC COLD WATER, DOMESTIC HOT WATER, VENT PIPING, ELECTRIC WATER HEATER AND ICE MAKER CONNECTION. RECESS DOMESTIC WASTE PIPING, CAP, AND COVER IN CONCRETE FILL.

KEY PLAN



1 PD1.12 PLUMBING DEMOLITION PLAN - AREA B
1/8" = 1'-0"

PERMIT/BID SET - 03.04.2025

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CHRISTOPHER ANDREW [illegible] STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER 02/27/2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:

PLUMBING DEMOLITION PLAN - AREA B

SHEET

PD1.12

JOB NO: 2170269.07

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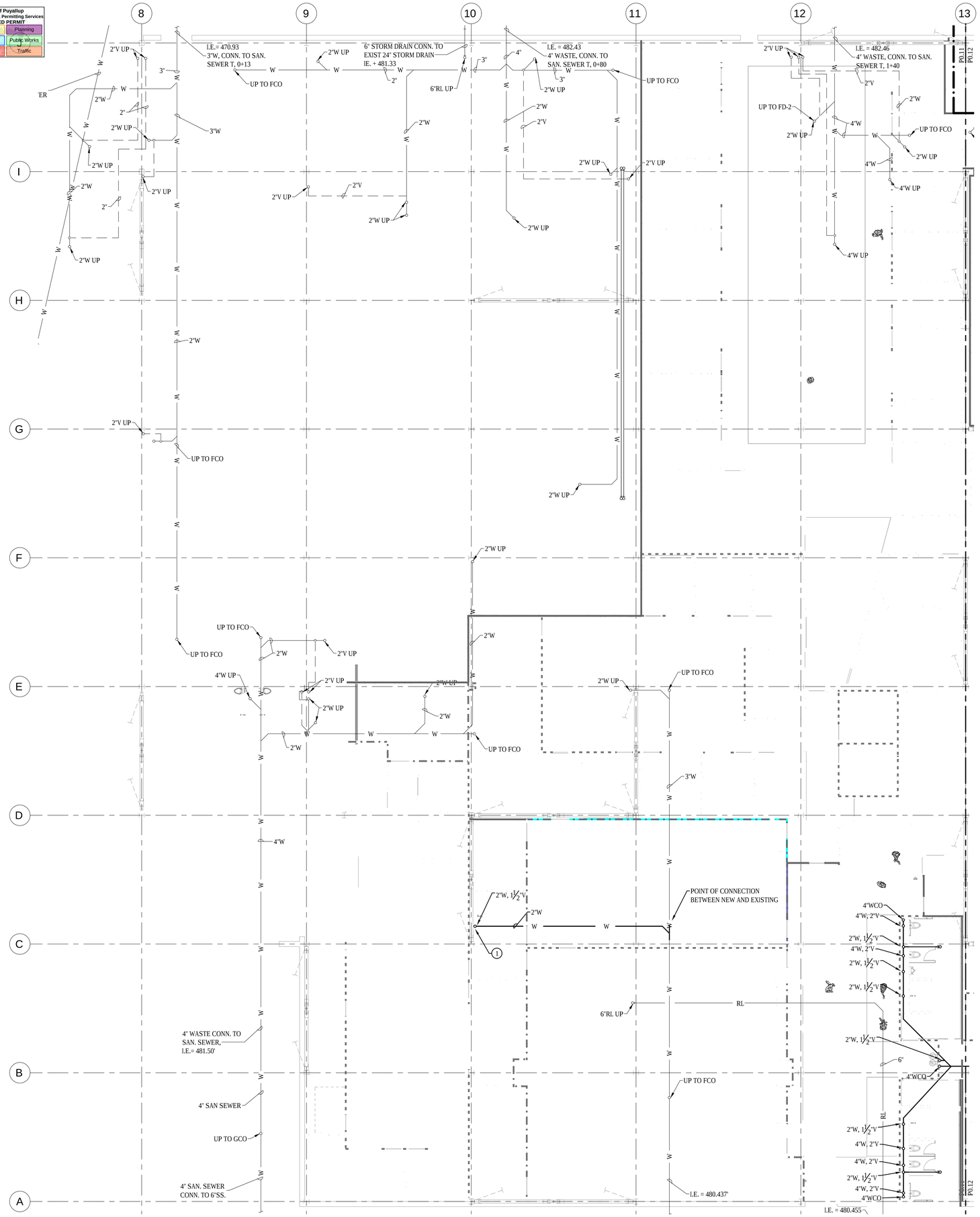

CONSTRUCTION NOTES

1. WORK WITH EXISTING FOOTING.

KEY PLAN

1 P0.11 PLUMBING FOUNDATION PLAN - AREA A
1/8" = 1'-0"

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Delta	Issued As	Issue Date

SHEET TITLE:
PLUMBING FOUNDATION PLAN - AREA A

SHEET
P0.11

JOB NO: 2170269.07

PERMIT/BID SET - 03.04.2025

2087.P0.11 Schedule1-25.rvt, davidsteiner 12/19/2024 1:42:35 PM As indicated

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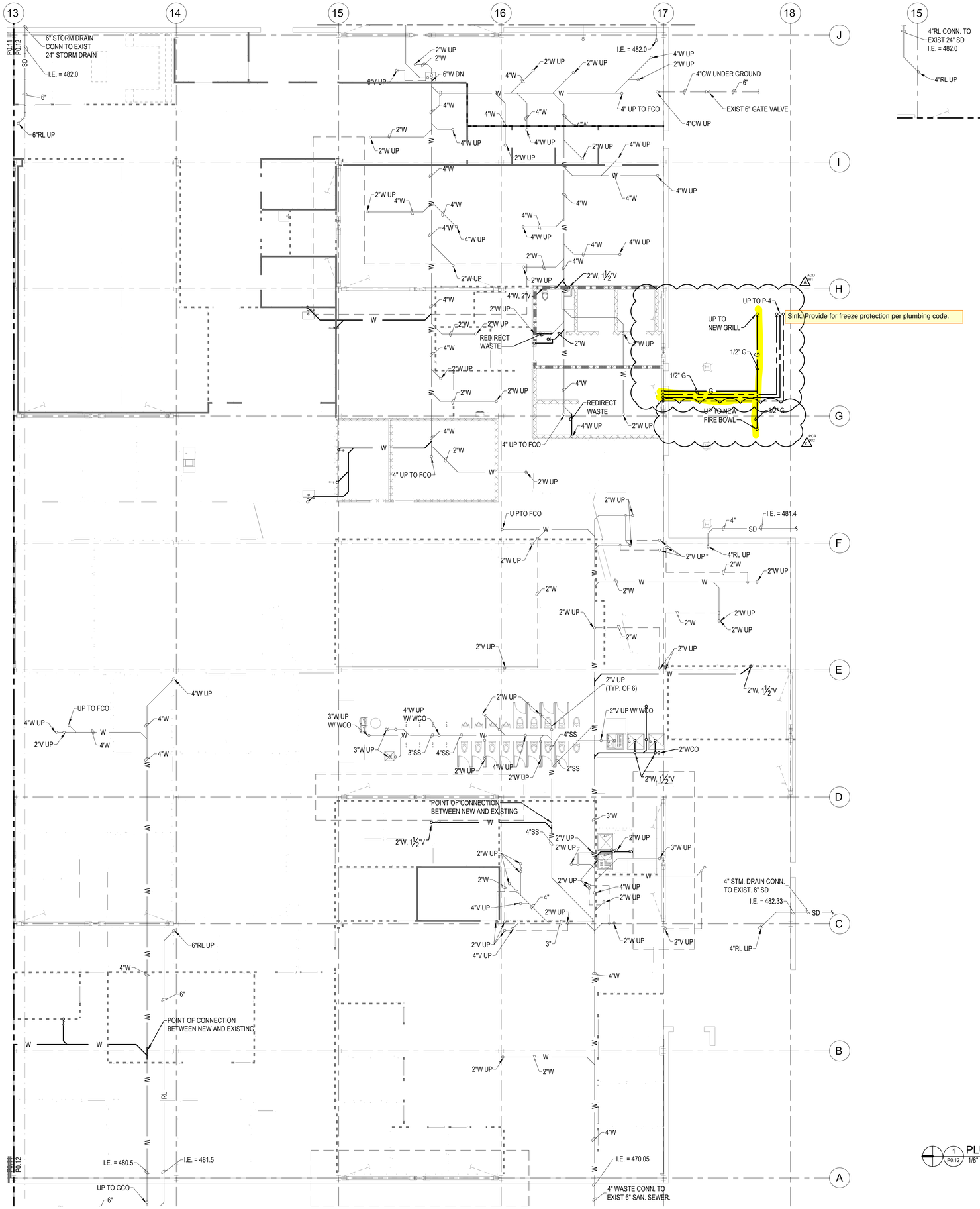
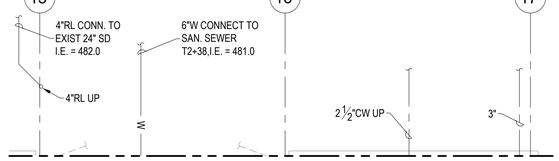
Engineering	Public Works
Fire	Traffic





KEY PLAN

1 P0.12 PLUMBING FOUNDATION PLAN - AREA B
1/8" = 1'-0"

PERMIT/BID SET - 03.04.2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025
B	Plan Check Response 1	04/09/2025
C	Plan Check Response 2	04/16/2025

SHEET TITLE:

PLUMBING FOUNDATION PLAN - AREA B

SHEET

P0.12

JOB NO. 2170269.07

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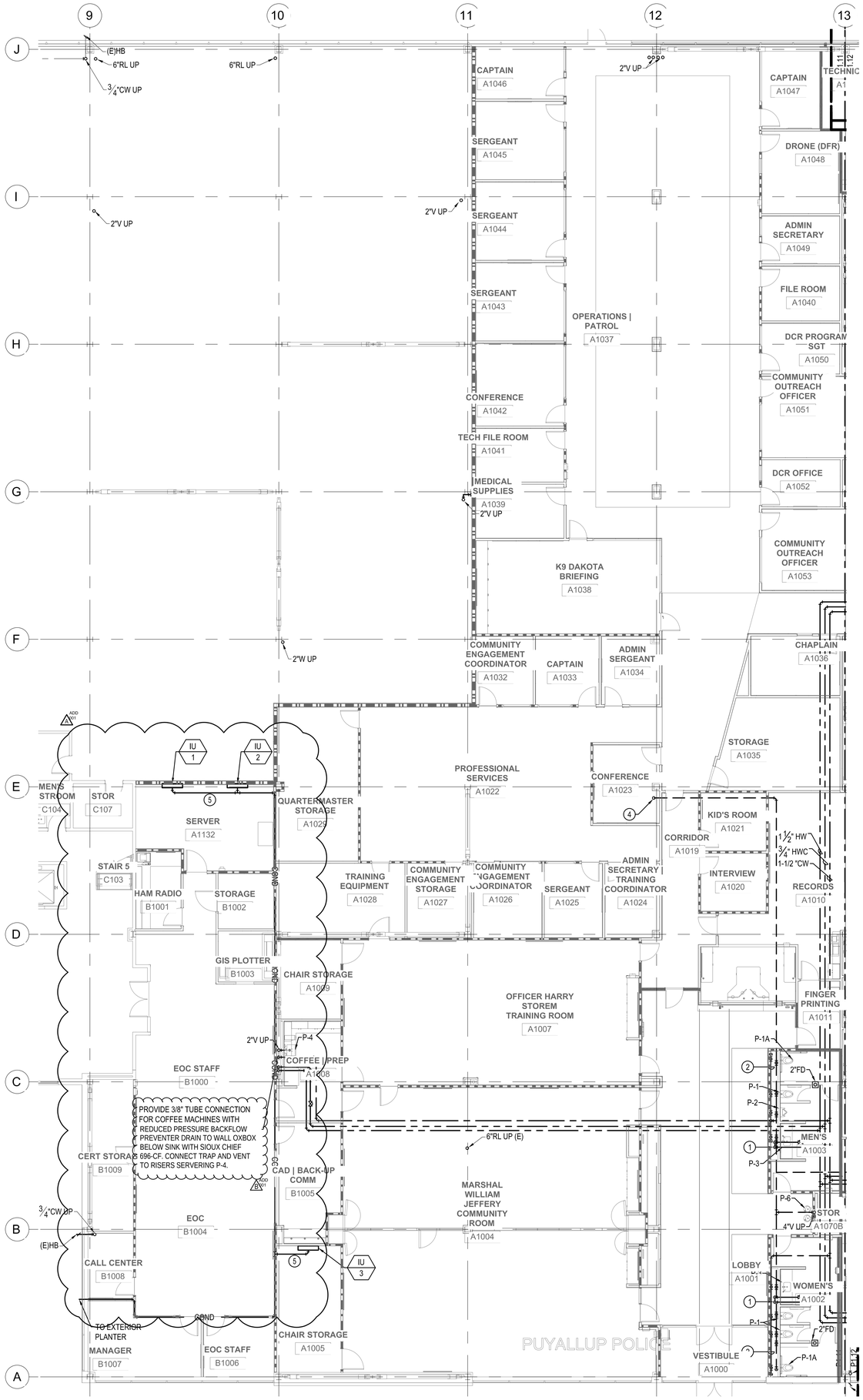

CONSTRUCTION NOTES

1. ROUTE HW DOWN IN WALL WITHIN 6" OF SUPPLY STOP TO MINIMIZE HW WAIT TIME AT LAVATORY.
2. 2" COLD WATER HEADER.
3. POINT OF CONNECTION BETWEEN NEW AND EXISTING.
4. REPLACE VENT RISER WITH 4" UP THROUGH ROOF.
5. CONDENSATE PIPING CONCEALED IN WALL. SHOWN OFFSET FOR CLARITY.

KEY PLAN

1 / P1.11 PLUMBING FIRST FLOOR PLAN - AREA A
1/8" = 1'-0"

PERMIT/BID SET - 03.04.2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025
B	Plan Check Response 1	04/09/2025

SHEET TITLE:

PLUMBING FIRST FLOOR PLAN - AREA A

SHEET

P1.11

JOB NO: 2170269.07

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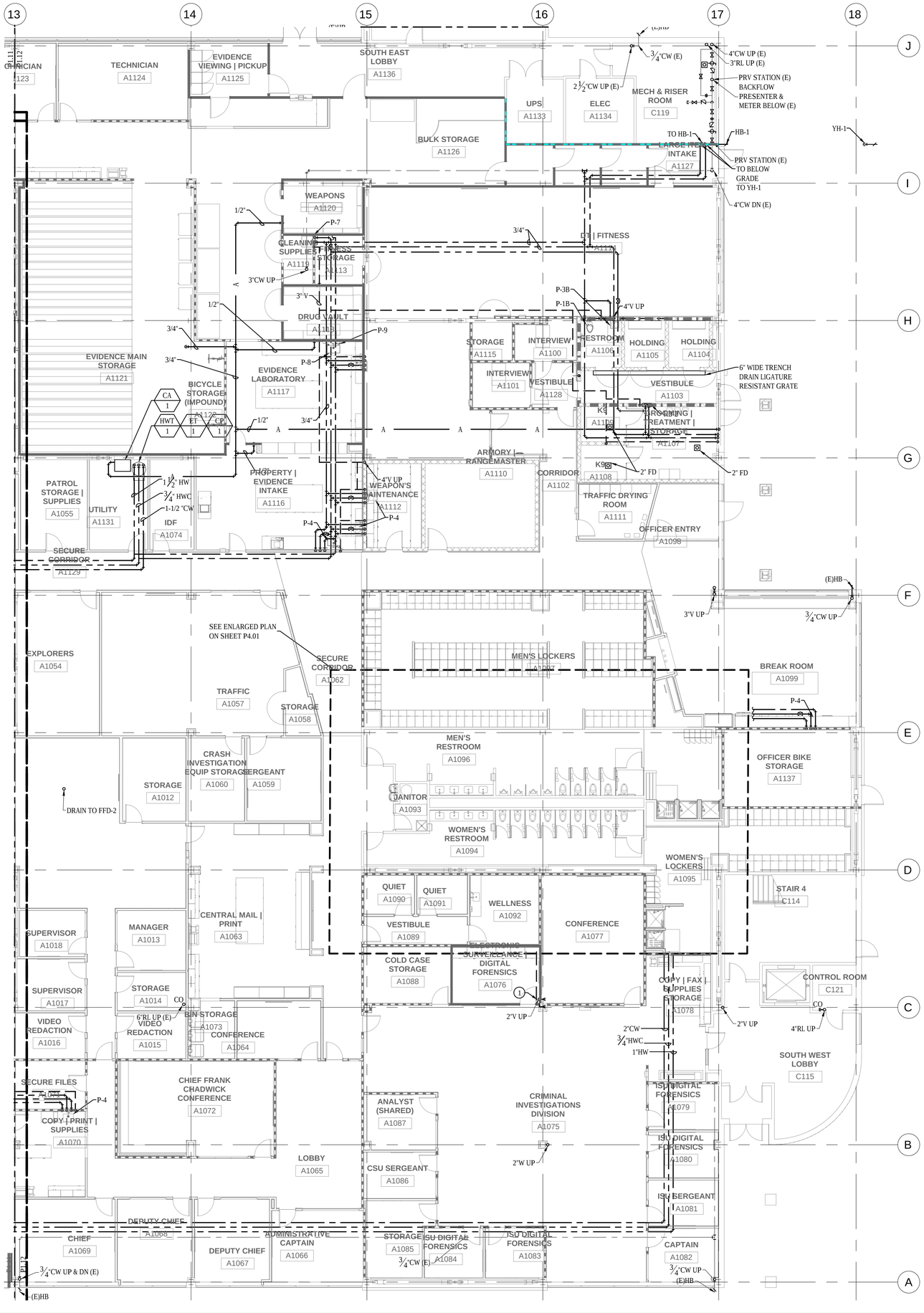
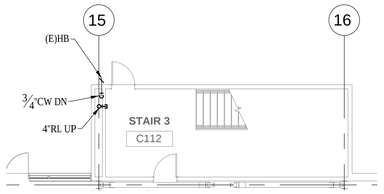
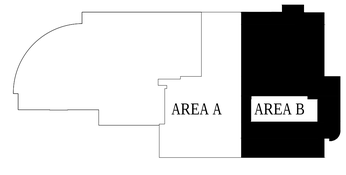




CONSTRUCTION NOTES

1. POINT OF CONNECTION BETWEEN NEW AND EXISTING.

KEY PLAN



1 P1.12 PLUMBING FIRST FLOOR PLAN - AREA B
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SHEET TITLE:
PLUMBING FIRST FLOOR PLAN - AREA B

SHEET
P1.12

JOB NO. 2170269.07

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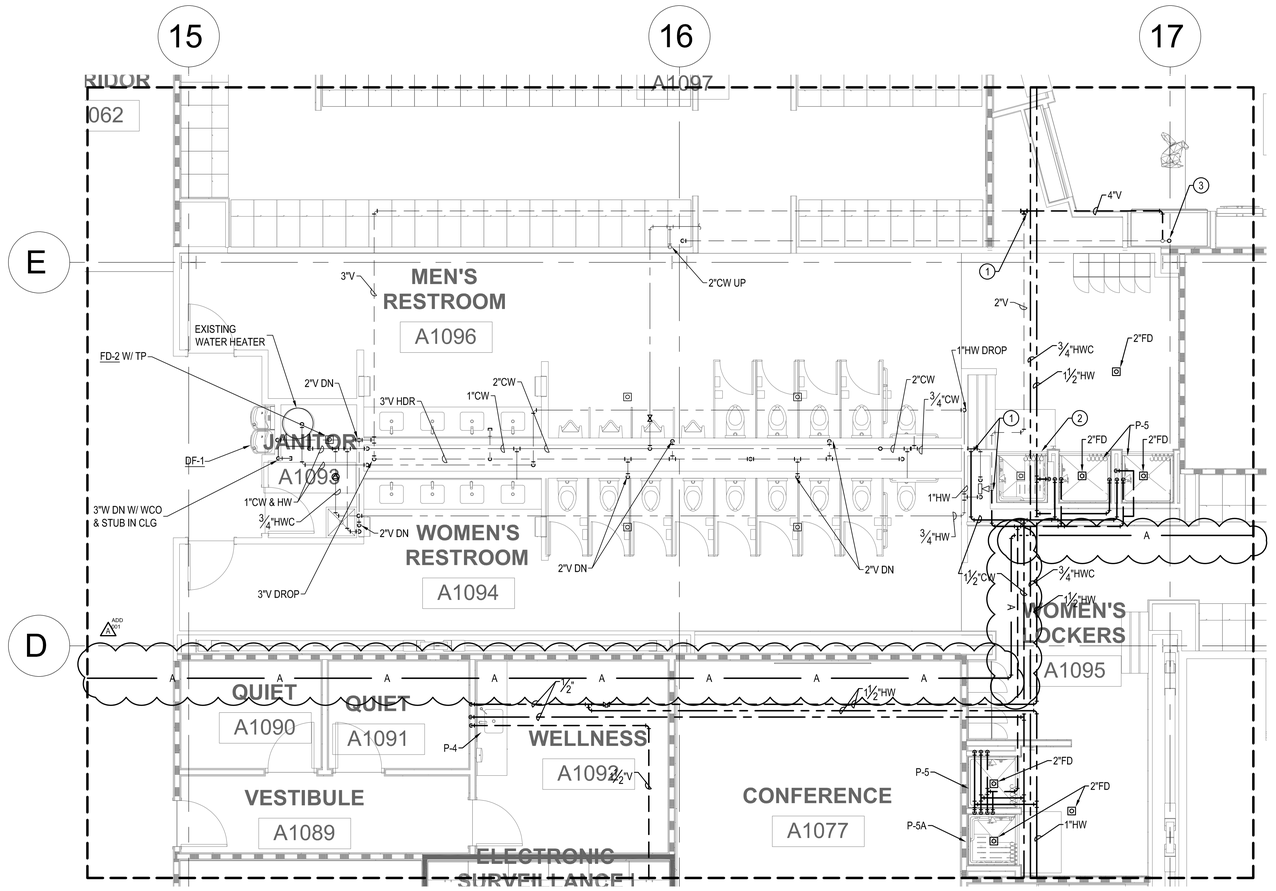

1 P4.01 PLUMBING ENLARGED PLAN - MEN A1096 & WOMEN A1094
1/4" = 1'-0"

CONSTRUCTION NOTES

1. NEW POINT OF CONNECTION BETWEEN NEW AND EXISTING PIPING.
2. EXISTING SHOWER TO REMAIN.
3. REPLACE EXISTING 3"VTR WITH 4"VTR.

KEY PLAN

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Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025
B	Plan Check Response 1	04/09/2025

SHEET TITLE:
PLUMBING ENLARGED PLANS

SHEET
P4.01

JOB NO. 2170269.07

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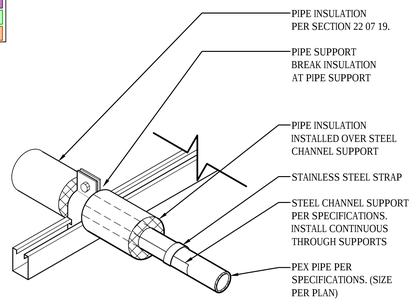
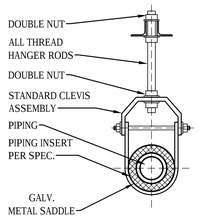


NOTE:
DETAIL SHOWS STRUT AND CUSHION CLAMP PIPE SUPPORT. DETAIL APPLIES TO ALL APPROVED PEX HANGER SUPPORTS PER SPECIFICATIONS.

16 PEX PIPE SUPPORT INSTALLATION DETAIL

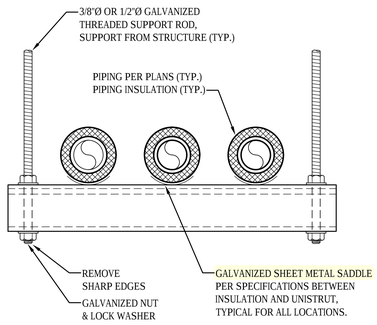
SCALE: DIAGRAMMATIC



AT METAL TRUSS

13 PIPE HANGER DETAIL

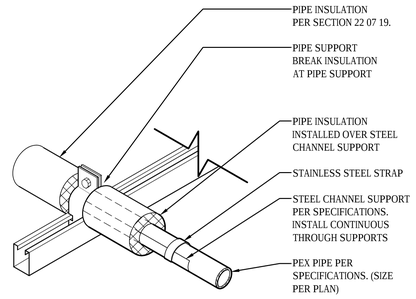
SCALE: DIAGRAMMATIC



NOTE:
PROVIDE THREE SUPPORT RODS FOR ALL STRUTS LONGER THAN 24"

9 PIPE SUPPORT DETAIL

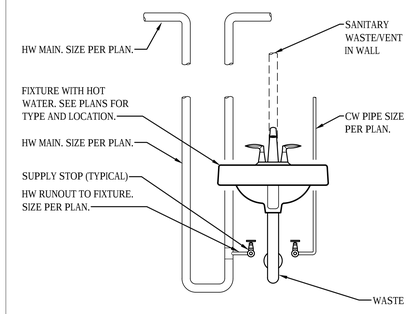
SCALE: DIAGRAMMATIC



NOTE:
DETAIL SHOWS STRUT AND CUSHION CLAMP PIPE SUPPORT. DETAIL APPLIES TO ALL APPROVED PEX HANGER SUPPORTS PER SPECIFICATIONS.

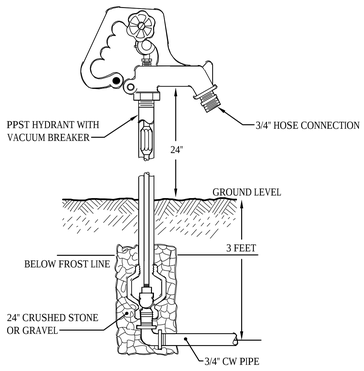
5 PEX PIPE INSTALLATION DETAIL

SCALE: DIAGRAMMATIC



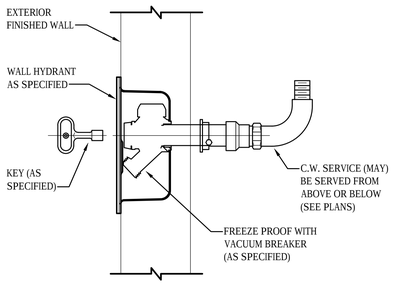
1 HOT WATER PIPE TO PLUMBING FIXTURE

SCALE: DIAGRAMMATIC



17 POST HYDRANT INSTALLATION DETAIL

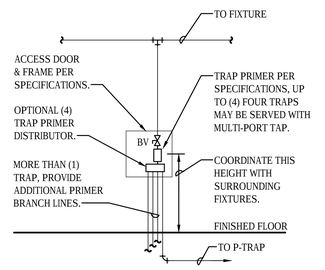
SCALE: DIAGRAMMATIC



NOTE
INSTALL @ 18" ABOVE FINISHED SURFACE.

14 FREEZE PROTECTED WALL HYDRANT DETAIL

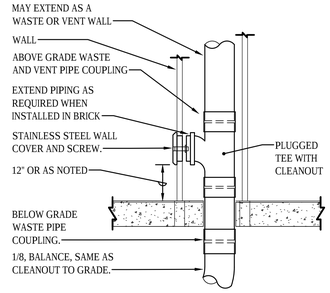
SCALE: DIAGRAMMATIC



See project specifications Section 22 10 06.2.06.A (typical)

10 TRAP PRIMER PIPING DIAGRAM

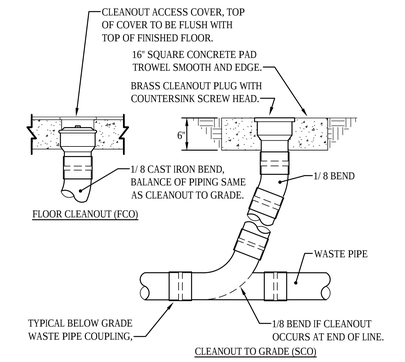
SCALE: DIAGRAMMATIC



WALL CLEANOUT (WCO)

6 PVC CLEANOUT DETAIL

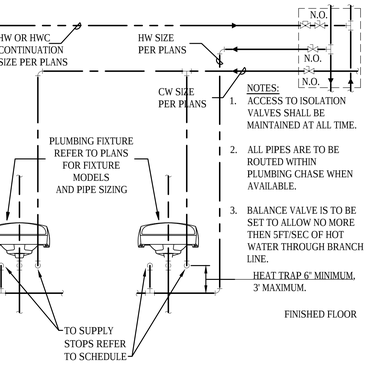
SCALE: DIAGRAMMATIC



CLEANOUT TO GRADE (SCO)

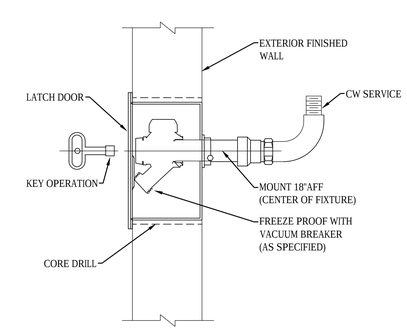
2 PVC CLEANOUT DETAIL

SCALE: DIAGRAMMATIC



18 LAVATORY HOT WATER PIPING DETAIL 2

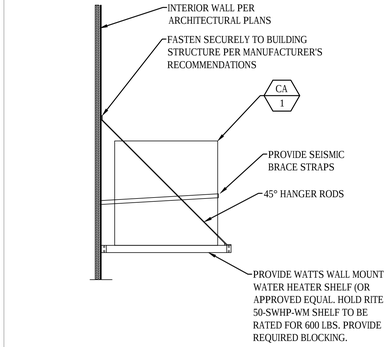
SCALE: DIAGRAMMATIC



MASONRY CORE WALL HYDRANT INSTALLATION DETAIL

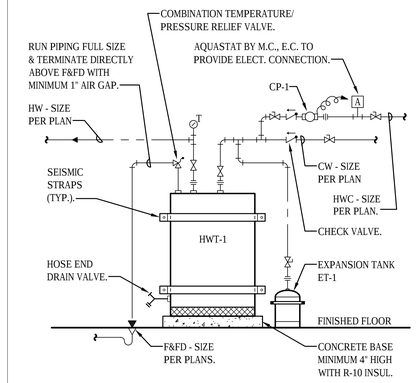
15

SCALE: DIAGRAMMATIC



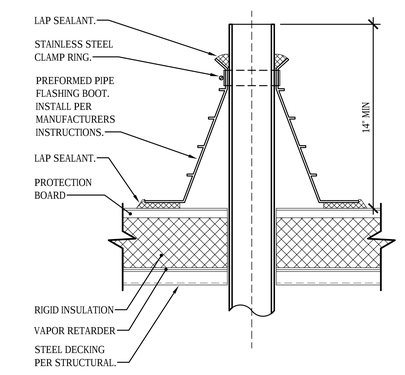
11 AIR COMPRESSOR SHELF DETAIL

SCALE: DIAGRAMMATIC



7 HOT WATER TANK PIPING DIAGRAM

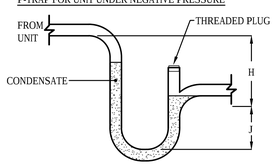
SCALE: DIAGRAMMATIC



3 PIPE PENETRATION AT EPDM MEMBRANE

SCALE: DIAGRAMMATIC

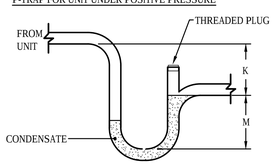
P-TRAP FOR UNIT UNDER NEGATIVE PRESSURE



H = (1" FOR EACH 1" OF MAXIMUM NEGATIVE PRESSURE) = 1"

J = $\left(\frac{1}{2}\right)$ H

P-TRAP FOR UNIT UNDER POSITIVE PRESSURE

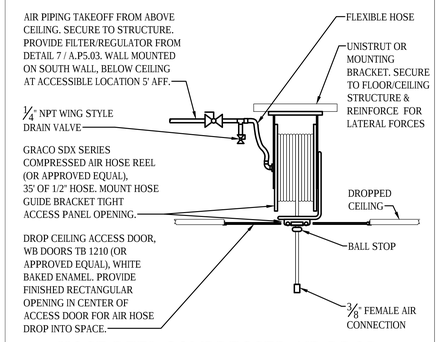


K = 1/2" MINIMUM
M = 1/2" + MAXIMUM TOTAL STATIC PRESSURE

TOTAL PRESSURE	H	J	K	M
1" W.C.	2"	1"	1/2"	1-1/2"
2" W.C.	3"	1.5"	1/2"	2-1/2"
3" W.C.	4"	2"	1/2"	3-1/2"

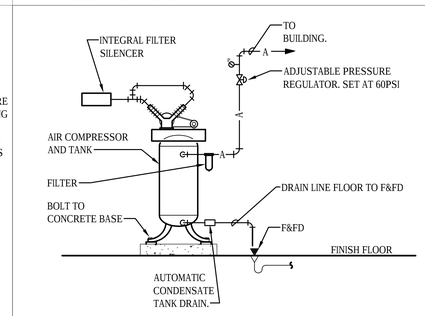
19 CONDENSATE P-TRAP DETAIL

SCALE: DIAGRAMMATIC



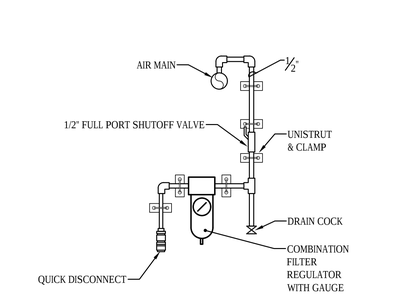
12 HOSE REEL COMPRESSED AIR DROP INSTALLATION DETAIL

SCALE: DIAGRAMMATIC



8 AIR COMPRESSOR PIPING DIAGRAM

SCALE: DIAGRAMMATIC



4 INTERIOR COMPRESSED AIR DROP INSTALLATION DETAIL

SCALE: DIAGRAMMATIC

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
PLUMBING DETAILS I

SHEET
P5.01

JOB NO: 2170269.07

PERMIT/BID SET - 03.04.2025

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PLUMBING FIXTURE SCHEDULE

UNIT NO	FIXTURE	MOUNTING	MANUFACTURER AND MODEL NUMBERS		W	V	HW	CW	REMARKS
P-1	WATER CLOSET	WALL	TOILET: SEAT: FLUSH VALVE:	AMERICAN STANDARD AFWALL 3351.101 CHURCH 9500CT SLOAN ROYAL 111-1.28	4"	2"	-	1"	1.28 GPM PROVIDE WITH BOLT CAPS.
P-1A	WATER CLOSET ADA	WALL	TOILET: SEAT: FLUSH VALVE:	AMERICAN STANDARD AFWALL 3351.101 CHURCH 9500CT SLOAN ROYAL 111-1.28	4"	2"	-	1"	1.28 GPF PROVIDE WITH BOLT CAPS. ADA COMPLIANT. INSTALL RIM HEIGHT AT 18"AFF.
P-1B	WATER CLOSET LIGATURE RESISTANT PENAL	WALL	TOILET: FLUSH VALVE:	ACORN LR1684 MASTER-TROL ELECTRONIC FLUSH VALVE	4"	2"	-	1"	1.28 GPF FLUSHOMETER. PROVIDE ORIENTED RIGHT OR LEFT AS DEPICTED. PROVIDE WITH PIEZZO BUTTON AND #2898 SECURED ACCESS PANEL.
P-2	URINAL	WALL	URINAL: FLUSH VALVE:	AMERICAN STANDARD WASHBROOK 6590.001 SLOAN ROYAL 186-0.125-DBP	2"	1-1/2"	-	3/4"	0.125 GPF
P-3	LAVATORY ADA	WALL	SINK: FITTINGS: SUPPLIES: TRAP:	AMERICAN STANDARD 0355.012 LUCERNE CHICAGO FAUCETS 116.971.AB.1 MCGUIRE LFBV MCGUIRE MCT	2"	1-1/2"	1/2"	1/2"	0.5 GPM FAUCET, ADA COMPLIANT, PROVIDE WITH INSTITUTIONAL ADA INSULATOR KIT. SET DELIVERY TEMPERATURE TO 105°F.
P-3B	LAVATORY ADA LIGATURE RESISTANT PENAL	WALL	SINK:	ACORN LR1652-1-04M-MTP2-LW1-DMB-SW	2"	1-1/2"	1/2"	1/2"	PROVIDE WITH THERMOSTATIC MIXING VALVE, LOCATED OUTSIDE OF CELL AREA AND HOLDING. SET DELIVERY TEMPERATURE TO 105°F.
P-4	SINGLE COMPARTMENT SINK	UNDER COUNTER MOUNT	SINK: FITTINGS: SUPPLIES: WASTE: TRAP:	KOHLER LUSTERTONE ELUHAD211545PD CHICAGO FAUCETS 434-ABCP EBC LAH20-KC JUST J-ADA-35 EBC TS150	2"	1-1/2"	1/2"	1/2"	PROVIDE WITH EBC INSTITUTIONAL ADA INSULATOR KIT. Provide for freeze protection.
P-5	SHOWER	FLOOR	CONTROLS: ENCLOSURE:	MOEN CHATEAU POSI-TEMP TL2368EP EVERFAB S4837	2"	1-1/2"	1/2"	1/2"	PROVIDE WITH ROUND DRAIN, AND HEAVY DUTY SHOWER CURTAIN ROD WITH VINYL CURTAIN AND HOOKS. 1.5 GPM PROVIDE WITH THERMOSTATIC STOPS.
P-5A	SHOWER ADA ROLL IN	WALL	FIXTURE: STALL:	SYMMONS SAFETYMIX 1-117-FS-X TILE BY G.C.	2"	1-1/2"	1/2"	1/2"	PROVIDE WITH L-SHAPED GRAB BAR, SEAT AND 18" VERTICAL GRAB BAR
P-6	TWO LEVEL DRINKING FOUNTAIN WITH BOTTLE FILLING STATION	WALL	FIXTURE:	ELKAY LZWS-EDFPBM117K	2"	1-1/2"	-	1/2"	BARRIER FREE, DUAL HEIGHT. PROVIDE WITH TRAP, SERVICE SUPPLY STOP, TOP AND BOTTOM ACCESS PANELS, AND SUPPORT SYSTEM. PROVIDE 115V/1PH, 15 WATT POWER SUPPLY.
P-7	24 x 24 MOP SINK	FLOOR	FIXTURE: FITTINGS: WASTE: TRAP:	ACORN 1630 CHICAGO FAUCETS 445-VBRRCF FLORESTONE MR-375 CAST IRON	3"	2"	3/4"	3/4"	MOUNT FITTINGS AT 42" AFF, PROVIDE WITH 48" HOSE WITH CLAMP. PROVIDE WITH WEDGE-LOCK SEAL AND VACUUM BREAKER. PROVIDE CHECK VALVE ON CW SUPPLY.
P-8	LAB SINK ADA	COUNTER	SINK: FITTINGS: SUPPLIES: WASTE: TRAP: MIXING VALVE:	KOHLER LUSTERTONE ELUHAD211545PD CHICAGO FAUCETS 786-GN2BVBE7CP CHICAGO FAUCETS 982-WS909CAGCP (2 REQUIRED) MCGUIRE MANUFACTURING LF2165 ZURN Z9A-WA-112 ZURN Z9A-PPTRAP BRADLEY S59-4000	2" (AW)	1-1/2" (NP)	1/2" (NP)	1/2" (NP)	FAUCET WITH VACUUM BREAKER AND SERRATED NOZZLE. ADA COMPLIANT, PROVIDE WITH PLUMBEREX SPECIALTY PRODUCTS INC ADA INSULATOR KIT. SET MAXIMUM HOT WATER DELIVERY TEMPERATURE AT 105°F. PROVIDE MIXING VALVE WITH MOUNTING BRACKET, BRADLEY MODEL S45-2456.
P-9	EYE WASH	COUNTER	FIXTURE: VALVE:	GUARDIAN G5022 EYEWASH GUARDIAN G6020 MIXING VALVE	2"	1-1/2"	1/2"	1/2"	PROVIDE WITH THERMOSTATIC MIXING VALVE, 8 FOOT FLEXIBLE STAINLESS STEEL HOSE, UNDERCOUNTER HOSE GUIDE BRACKET. MOUNT THERMOSTATIC MIXING VALVE IN RECESSED VALVE BOX WITH THERMOSTAT CLEARLY VISIBLE.

EXPANSION TANK SCHEDULE

UNIT NO	MANUFACTURER	MODEL	LOCATION	VOLUME		CONNECTION SIZE (IN)	DIAMETER (IN)	HEIGHT (IN)	WEIGHT (LBS)	REMARKS
				TANK (GAL)	ACCEPTANCE (GAL)					
ET-1	AMTROL	ST-12	MECH & RISER C119	4.4	3.2	3/4"	11	15	40	1,2,3,4,5,6

NOTES FOR EXPANSION TANK SCHEDULE

1. INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS
2. MAXIMUM PRESSURE RATING OF 150 PSI.
3. INSTALL DRAIN VALVE BETWEEN SHUT-OFF VALVE AND TANK FOR CHECKING AND ADJUSTING TANK AIR CHARGE
4. PROVIDE BALL VALVE SHUT-OFF VALVE WITH LOCKABLE HANDLE, VALVE TO BE LOCKED OPEN FOR OPERATION
5. ADJUST TANK PRE-CHARGE TO EQUAL THE INCOMING WATER PRESSURE. PROVIDE A LABEL FOR WATER PRESSURE CHARGE.

WATER HEATER SCHEDULE

UNIT NO	MANUFACTURER	MODEL	AREA SERVED	TYPE	TANK SIZE (GAL)	ELECTRICAL CAPACITY (KW)	HEAT PUMP CAPACITY (BTU/H)	COP	RECOVERY (GPH) @ 90ÅF RISE	WET WEIGHT (LB)	ELECTRICAL				STARTER FURNISHED BY	DISCONNECT FURNISHED BY	REMARKS
											MCA (FLA)	MOP	VOLTS	PH			
HWT-1	AO SMITH	CAHP 120	BUILDING	ELECTRIC	119	12.2	40,946	4.3	55	1,620	-	NA	208	1	MFR	EC	1

NOTES FOR WATER HEATER SCHEDULE

1. SET WATER HEATER TO 140 DEGREES.

PUMP SCHEDULE

UNIT NO	MANUFACTURER	MODEL	LOCATION	SYSTEM	MOTOR		HEAD (FT)	FLOW (GPM)	ELECTRICAL			STARTER/VFD FURNISHED BY	DISCONNECT FURNISHED BY	REMARKS
					HP (WATTS)	RPM			MCA (FLA)	VOLTS	PH			
CP-1	TACO	1911ECM-SF	MECH & RISER C119	HWT-1	-	-	30.0	10	4.4	208	1	EC	EC	1,2

1. EC TO PROVIDE A MANUAL STARTER (INCLUDING DISCONNECT).
2. PUMP SHALL BE STAINLESS STEEL LEAD FREE CONSTRUCTION, RATED FOR DOMESTIC USE.

AIR COMPRESSOR SCHEDULE

UNIT NO	MANUFACTURER	MODEL	LOCATION	SCFM @ 90 PSI	MOTOR		dB	MAX PSI	TANK (GAL)	WEIGHT (LBS)	ELECTRICAL			DISCONNECT FURNISHED BY	REMARKS
					HP (WATTS)	RPM					MCA (FLA)	VOLTS	PH		
CA-1	CALIFORNIA AIR TOOLS	CAT-20040DSPCADC A	SEE PLANS	10.6	4	-	65	130.0	20	375	14.0	220	1	EC	1,2

1. PROVIDE WITH MANUFACTURER'S SOUND ENCLOSURE.
2. PROVIDE WITH OIL-FREE PUMP (CLASS 1).
3. PROVIDE WITH ALL GAUGES, QUICK CONNECTS.
4. REMOVE CASTERS WITH MANUFACTURER'S GUIDANCE AND SEAL.
5. PROVIDE SUPPLEMENTAL STEEL RECEIVER HORIZONTAL 30 GALLON TANK CONNECT TO COMPRESSED AIR SYSTEM. PROVIDE BLOCKING AND WALL SUPPORTS.

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02/27/2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
PLUMBING SCHEDULES I

SHEET
P6.01

JOB NO. 2170269.07

PERMIT/BID SET - 03.04.2025

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Development & Permitting Services
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ELECTRICAL LEGEND

LIGHTING

SYMBOL	DESCRIPTION
	RECESSED LED LIGHT FIXTURE
	SURFACE OR PENDANT MOUNT LED LIGHT FIXTURE (CIRCLE INDICATES RECESSED OR CONCEALED JUNCTION BOX)
	WALL MOUNT LED LIGHT FIXTURE
	SURFACE OR RECESSED LED LIGHT FIXTURE
	SURFACE OR RECESSED LED LIGHT FIXTURE
	SURFACE OR PENDANT MOUNT STRIP LIGHT (CIRCLE INDICATES RECESSED OR CONCEALED JUNCTION BOX)
	FIXTURE WITH EMERGENCY TRANSFER DEVICE. PROVIDE NORMAL CIRCUIT AS INDICATED, UNSWITCHED HOT LEG, AND UL924 DEVICE, AS REQUIRED. PROVIDE CONNECTION TO EMERGENCY POWER VIA NEAREST UNSWITCHED EMERGENCY CIRCUIT.
	EXIT LIGHT FIXTURE (PROVIDE DIRECTION ARROWS AS INDICATED) PROVIDE ADDITIONAL UNSWITCHED HOT LEG.
	WALL MOUNTED EXIT LIGHT FIXTURE (PROVIDE DIRECTION ARROWS AS INDICATED) PROVIDE ADDITIONAL UNSWITCHED HOT LEG.
	POLE LIGHT FIXTURE (ARROW INDICATES DIRECTION OF AIMING FOR OPTICS)

RECEPTACLES

SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE (E INDICATES EXISTING TO BE REPLACED)
G	DUPLEX RECEPTACLE (G INDICATES GROUND FAULT CIRCUIT INTERRUPTER)
C	DUPLEX RECEPTACLE (C INDICATES ABOVE COUNTER)
	COMPUTER RECEPTACLE WITH ISOLATED GROUND, DUPLEX OR FOURPLEX AS INDICATED
S	FOURPLEX RECEPTACLE. (S INDICATED COMBINATE UNCONTROLLED DUPLEX RECEPTACLE AND CONTROLLED (SWITCHED) DUPLEX RECEPTACLE INSTALLED IN THE SAME 4S BOX.
F	FURNITURE FEED TO WALL.
F	FURNITURE BASE FEED TO FLOOR. PROVIDE LEGRAND EVOLUTION SERIES FURNITURE FEED FLOOR BOX WITH FURNITURE FEED COVER ASSEMBLY (#FPFFTCBK), OR EQUAL, WITH NUMBER OF GANGS AS REQUIRED FOR ALL SPECIFIED POWER, TELECOM, AND AV DEVICES.
	FLOOR-MOUNTED DUPLEX RECEPTACLE
4	COMBINATION FLOOR BOX. FOURPLEX ISOLATED GROUND RECEPTACLE AND DATA JUNCTION BOX WITH SEPARATE 1" C. TO ACCESSIBLE CEILING OR NEAREST CABLE TRAY LOCATION, UNLESS NOTED OTHERWISE. MAINTAIN COMMUNICATION / DATA OUTLET REQUIREMENTS.
	SINGLE RECEPTACLE
	DOUBLE DUPLEX DROP CORD WITH KELLUM GRIP
	SPECIAL PURPOSE OUTLET - 1∅, VOLTAGE AND AMPERES AS INDICATED
	SPECIAL PURPOSE OUTLET - 3∅, VOLTAGE AND AMPERES AS INDICATED

MISCELLANEOUS

SYMBOL	DESCRIPTION
##	CONSTRUCTION NOTES
##	DEMOLITION NOTES
##	FLAG NOTE
W	W INDICATES WEATHERPROOF FOR ALL DEVICES, PROVIDE LOCKING COVER ON RECEPTACLES.
	ALL DEVICES WITH LIGHT LINE WEIGHT INDICATES EXISTING TO BE RETAINED
	ALL DEVICES WITH DASH LINE INDICATES EXISTING TO BE REMOVED
A / E2	DETAIL CALL OUT - A INDICATES DETAIL IDENTIFICATION, E2 INDICATES SHEET DRAWN ON
	CABLE TRAY
AH1 / 1	MECHANICAL EQUIPMENT CONNECTION

SWITCHES

SYMBOL	DESCRIPTION
$	SINGLE POLE SWITCH
$LV	LOW VOLTAGE LIGHTING CONTROL SWITCH
$3	THREE WAY SWITCH
$4	FOUR WAY SWITCH
$OS	COMBINATION SWITCH / OCCUPANCY SENSOR
a $$ b	MULTI-GANGED SWITCH (LOWER CASE LETTERS INDICATES SWITCHING)
LC	LOW VOLTAGE LIGHTING CONTROL PANEL
PC	PHOTOCELL CONTROL
OS	CEILING MOUNTED OCCUPANCY SENSOR (LIGHTING CONTROL)

EQUIPMENT AND WIRING

SYMBOL	DESCRIPTION
	CONDUIT STUB OUT (PROVIDE CONCRETE MARKER ON EXTERIOR)
	DEDICATED CONDUIT HOMERUN TO PANEL & CIRCUIT NUMBERS AS INDICATED ON PLANS
	RACEWAY CONCEALED IN WALL OR CEILING
	RACEWAY CONCEALED UNDERGROUND OR UNDER FLOOR SLAB, P = PRIMARY , S = SECONDARY
	MARKS INDICATE NUMBER OF #12 AWG UNLESS NOTED OTHERWISE
	GROUNDING CONDUCTOR
	FLEXIBLE CONDUIT
	SURFACE METAL RACEWAY
	GROUNDING SYSTEM PER CODE
J	JUNCTION BOX - SIZE PER CODE (F INDICATES FIRE ALARM SYSTEM)
	MOTOR CONNECTION
	DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
277/480	277/480 VOLT PANELBOARD
120/208	120/208 VOLT PANELBOARD (OR AT RATED VOLTAGE AS NOTED)
	EXISTING PANELBOARD TO BE RETAINED
T	TRANSFORMER
	ENCLOSED CIRCUIT BREAKER, AMPERES AS INDICATED
SPD	SURGE PROTECTOR
RUA	REMOTE UPS ANNUNCIATOR
RGA	REMOTE GENERATOR ANNUNCIATOR
ADA	HANDICAP PUSH BUTTON CONNECTION
M	METER

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BAS	BUILDING AUTOMATION SYSTEM
BET	BUILDING ENTRANCE TERMINAL
BMS	BUILDING MANAGEMENT SYSTEM
BOT	BOTTOM OF TRAY
C	MOUNT ABOVE COUNTER
C.	CONDUIT
CU	COPPER
DDC	DIRECT DIGITAL CONTROL
G	GROUND FAULT
GND	GROUND
IDF	INTERMEDIATE DISTRIBUTION FRAME (TR/TE)
MDF	MAIN DISTRIBUTION FRAME (ER/EF)
MW	MICROWAVE
PDZ	PRIMARY DAYLIGHT ZONE
PLT	PLOTTER
REC	RECEPTACLE
REF	REFRIGERATOR
SDZ	SECONDARY DAYLIGHT ZONE
SPD	SURGE PROTECTIVE DEVICE
UC	UNDER COUNTER
WAP	WIRELESS ACCESS POINT
XMFR	TRANSFORMER

GENERAL NOTES

1. SEE EACH SHEET FOR ADDITIONAL GENERAL NOTES THAT ARE SPECIFIC TO AN AREA OR SHEET.
2. THE CONTRACTOR/INSTALLING VENDOR IS RESPONSIBLE TO VERIFY ALL CMU/CONCRETE WALLS, BRICK WALLS, CABLE ROUTING AND ALL WORK REQUIRED TO FACILITATE A COMPLETE AND FULLY FUNCTIONAL SYSTEM.
3. THE CONTRACTOR SHALL REFER TO STRUCTURAL DRAWINGS FOR BRACE FRAMED OR SHEAR WALLS. CONTRACTOR SHALL MOUNT DEVICES AND ROUTE CONDUIT SO AS NOT TO INTERFERE WITH THE STRUCTURAL INTEGRITY OF THE WALL.
4. CONDUIT SHALL NOT BE SURFACE MOUNTED IN ANY FINISHED AREAS WITHOUT SPECIAL PERMISSION FROM THE ENGINEER. CONTRACTOR SHALL TAKE SPECIAL CARE AND COORDINATE WITH OTHER DISCIPLINES TO ENSURE CONDUIT IS HIDDEN.
5. ROOMS AND/OR AREAS WITHOUT CEILINGS SHALL HAVE ALL CABLES ROUTED IN CONDUIT. CONDUIT SHALL BE INSTALLED TIGHT TO STRUCTURE. ROUTED PARALLEL OR PERPENDICULAR TO STRUCTURE, AND SHALL BE PAINTED TO MATCH ADJACENT SURFACE. THIS SHALL INCLUDE ALL LOW VOLTAGE WIRING INCLUDING LOW VOLTAGE CONTROL SYSTEMS.
6. PANEL DESIGNATIONS AND CIRCUIT NUMBERS ARE ONLY INDICATED ON THE DRAWINGS FOR REFERENCE BY THE ELECTRICAL CONTRACTOR. THE E.C. IS RESPONSIBLE TO PROVIDE ALL CONDUIT, WIRING, JUNCTION BOXES AND MISCELLANEOUS ACCESSORIES TO ACCOMMODATE INSTALLATION AND CONNECTION OF ALL DEVICES INDICATED ON THE CONTRACT DOCUMENTS. ALL WIRING SHALL BE IN HARD CONDUIT BACK TO THE DESIGNATED PANELBOARD. MC TYPE CABLE IS NOT AN ACCEPTABLE WIRING METHOD. ALL JUNCTION BOXES SHALL BE LABELED IDENTIFYING THE PANELBOARD AND CIRCUIT CONTAINED WITHIN. THERE SHALL BE NO MORE THAN (3) CIRCUITS PER HOMERUN. MULTI-WIRE CIRCUITS ARE NOT ALLOWED. EACH CIRCUIT SHALL CONTAIN A DEDICATED NEUTRAL UNLESS SPECIFICALLY ALLOWED BY THE ENGINEER. ALL WIRING SHALL BE SIZED ACCORDING TO THE AMPACITY OF THE CIRCUIT BREAKER INDICATED ON THE PANEL SCHEDULE. ALL CONDUITS SHALL BE SIZED PER NEC CODE BASED ON THE CONDUCTOR SIZE, TYPE, QUANTITY AND MINIMUM FILL REQUIREMENTS. CIRCUITS OVER 120' FOR 120V AND 250' FOR 277V SHALL BE UPSIZED ONE WIRE SIZE TO ACCOUNT FOR VOLTAGE DROP. E.C. IS RESPONSIBLE TO SHOW ALL JUNCTION BOX LOCATIONS, CONDUIT ROUTING AND HOMERUNS ON A SET OF AS-BUILT DRAWINGS.
7. FEED THROUGH GFCI RECEPTACLES SHALL NOT BE USED.
8. CIRCUITING SHALL BE PROVIDED AS REQUIRED TO MEET THE NEC. CIRCUIT BREAKER HANDLE TIES SERVING MULTI-WIRE BRANCH CIRCUITS ARE NOT ALLOWED. PROVIDE DEDICATED NEUTRALS FOR EACH CIRCUIT.
9. ALL SPARE CONDUITS (FOR FUTURE USE) SHALL BE LABELED "SPARE/FUTURE CONDUIT" AT EACH END OF THE CONDUIT WITH 1/2" TALL LETTERS, USING A PERMANENT MARKER.
10. ALL TYPICAL DEVICES SHALL BE MOUNTED AT CONSISTENT LOCATIONS AND HEIGHTS THROUGHOUT THIS PROJECT, UNLESS NOTED OTHERWISE.
11. GROUNDING SHALL CONFORM TO NEC 250.
12. REVIEW ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF AREAS WITH ACCESSIBLE CEILING SPACES, HARD LID CEILINGS, AND AREAS WITH CEILINGS THAT ARE OPEN TO STRUCTURE. PROVIDE SURFACE-MOUNTED DEVICES AND THEIR RELATED SURFACE MOUNT BACK BOXES IN AREAS WITH CEILINGS THAT ARE OPEN TO STRUCTURE. PAINT EACH BACKBOX TO MATCH THE ADJACENT SURFACE.
13. REVIEW ARCHITECTURAL PLANS FOR FIRE WALLS. REFER TO FINAL ARCHITECTURAL DRAWINGS FOR RATED WALLS, AND PROVIDE FIRE RATED MECHANICAL PENETRATIONS (STI EZ-PATH OR EQUAL) FOR ALL CABLES TRANSITIONING THROUGH RATED WALLS. EC SHALL FIRE SEAL AROUND ALL CONDUITS PENETRATING THROUGH FLOORS, ROOF, AND FIRE RATED WALLS.
14. ALL CONDUITS MUST BE A MINIMUM OF 6'-6" ABOVE ALL MECHANICAL EQUIPMENT AND MECHANICAL CLEARANCE SPACES. E.C. WILL BE RESPONSIBLE TO MOVE ANY CONDUITS WHICH DO NOT COMPLY.
15. NO CONDUITS ARE ALLOWED TO BE ROUTED ON TOP OF THE ROOF.
16. WHERE OPEN CABLING IS PERMITTED BY CODE, EACH LOW VOLTAGE SYSTEM SHALL HAVE THEIR CABLES SUSPENDED SEPARATE FROM OTHER LOW VOLTAGE SYSTEMS (I.E. FIRE ALARM CABLES IN ONE J-HOOK, INTERCOM IN ANOTHER J-HOOK, AND SO ON).
17. PROVIDE CONDUIT FOR ALL LOW VOLTAGE CABLING IN EXPOSED AND INACCESSIBLE AREAS. PROVIDE CONDUIT SLEEVES THROUGH ALL WALLS AS REQUIRED TO ACCOMMODATE RECOMMENDED CABLE ROUTING BY COMMUNICATIONS CONTRACTOR.
18. SEE ALL DETAIL SHEETS AND RISER DIAGRAMS FOR ADDITIONAL WORK. ALL DETAILS AND RISERS ARE APPLICABLE TO THIS PROJECT WHETHER REFERENCED OR NOT. SEE ONE-LINE DIAGRAMS ON SHEETS E6.01 & E6.02 FOR ALL FEEDER QUANTITIES, SIZES AND OTHER INFORMATION.
19. IN THE MDF, IDF, AND OTHER DESIGNATED LOCATIONS, COORDINATE THE EXACT LOCATIONS OF EQUIPMENT WITH THE ARCHITECT, MECHANICAL CONTRACTOR, ELECTRICAL CONTRACTOR AND ALL OTHER TRADES, PRIOR TO ROUGH IN.
20. EACH LOW VOLTAGE LIGHTING CONTROL HOMERUN SHALL BE PROVIDED WITH THE REQUIRED NUMBER OF CONDUCTORS FOR EACH SWITCH LEG THAT IT SERVES.
21. ALL OUTLETS, SWITCHES AND DEVICES MOUNTED BACK-TO-BACK IN A WALL, MUST LOCATED IN SEPARATE STUD BAYS, OR FURNISHED WITH SOUND ATTENUATING MATERIAL AROUND THE BOX TO MEET ACOUSTICAL REQUIREMENTS.
22. REVIEW ALL EXTERIOR MOUNTED EQUIPMENT FOR AIR BARRIER PENETRATIONS. SEE ARCHITECTURAL DETAILS FOR REQUIREMENTS ON MAINTAINING THE BUILDING'S ENVELOPE.
23. PROVIDE MINIMUM OF 1" C., #10 WIRING, TRENCHING AND BACKFILL FOR ALL EXTERIOR LIGHTING AND DEVICE CIRCUITS.
24. COORDINATE EXACT LOCATION AND INSTALLATION REQUIREMENTS FOR ALL SITE LIGHTING AND ELECTRICAL DEVICES WITH CIVIL AND LANDSCAPE.
25. PROVIDE PULL STRING IN ALL SPARE OR EMPTY CONDUITS.
26. COORDINATE POWER SERVICE SHUTDOWN AND SWITCHOVER TO THE EXISTING BUILDING WITH OWNER AND PUGET SOUND ENERGY. SUBMIT WRITTEN POWER SERVICE INTERRUPTION AND SWITCHOVER PLAN FOR REVIEW AND APPROVAL BY THE OWNER. SUBMIT AND COORDINATE OWNER APPROVED PLAN TO PUGET SOUND ENERGY TWO WEEKS PRIOR TO INSTALLATION.
27. COORDINATE EXACT PLACEMENT OF LIGHTING FIXTURES WITH LANDSCAPE AND OWNER.
28. REFER TO TELECOMMUNCATIONS PLANS FOR ADDITIONAL LOW VOLTAGE NOTES.

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REVISION SCHEDULE

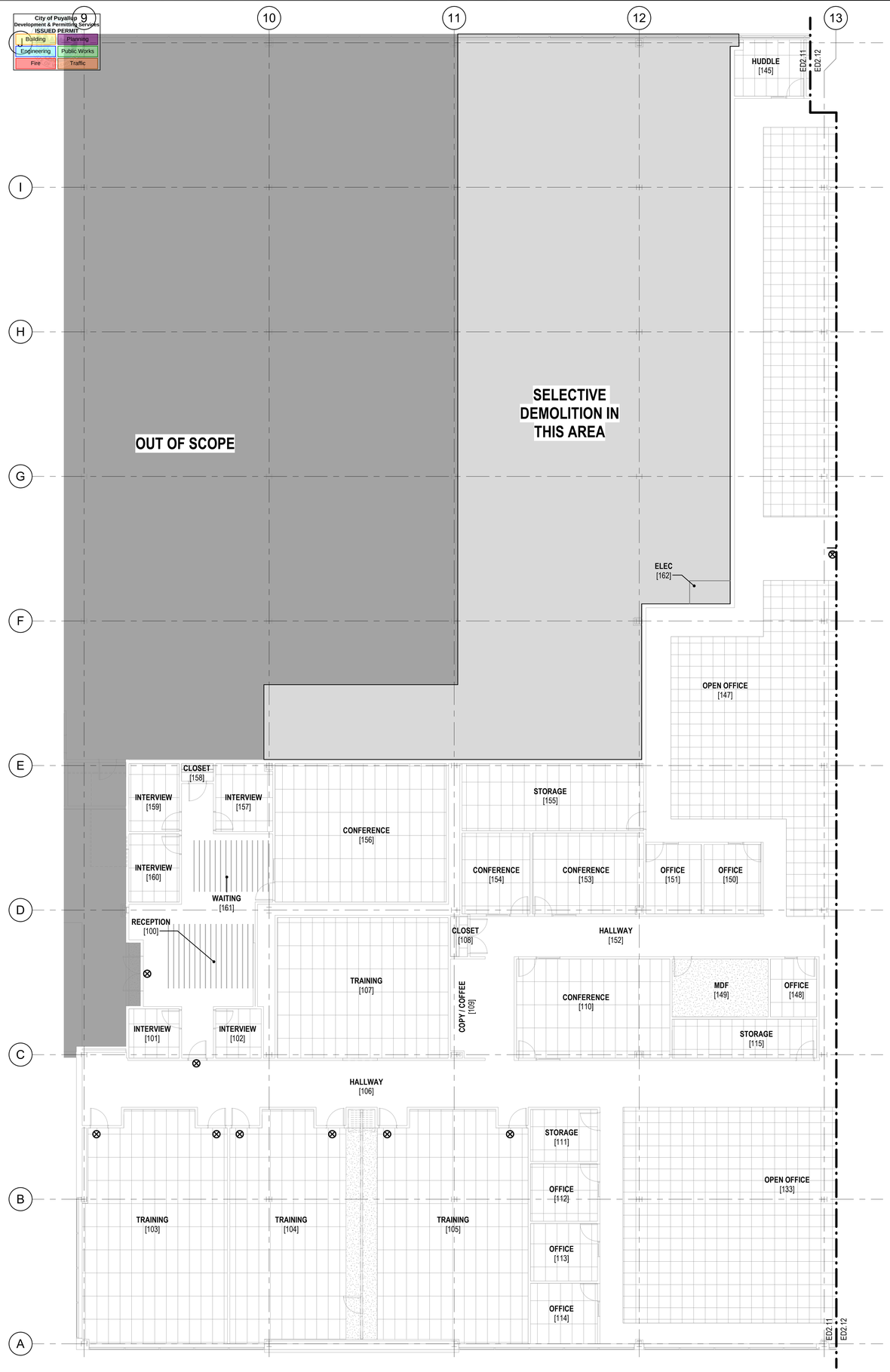
Delta	Issued As	Issue Date

SHEET TITLE:
ELECTRICAL LEGEND, GENERAL NOTES, & ABBREVIATIONS

SHEET
E0.01

JOB NO. **2170269.07**

PERMIT BID/SET - 03.04.2025

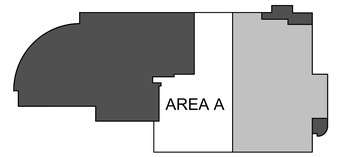


GENERAL NOTES

1. SALVAGE AND PROTECT ALL EXISTING LIGHTING FIXTURES FOR REUSE, UNLESS OTHERWISE NOTED. DEMOLISH ALL EXISTING LIGHT SWITCHES, EXIT SIGNS, AND EMERGENCY EGRESS LIGHTS.

1 ED2.11 LIGHTING DEMOLITION PLAN - AREA A
1/8" = 1'-0"

KEY PLAN



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SHEET TITLE:
LIGHTING DEMOLITION PLAN - AREA A

SHEET
ED2.11

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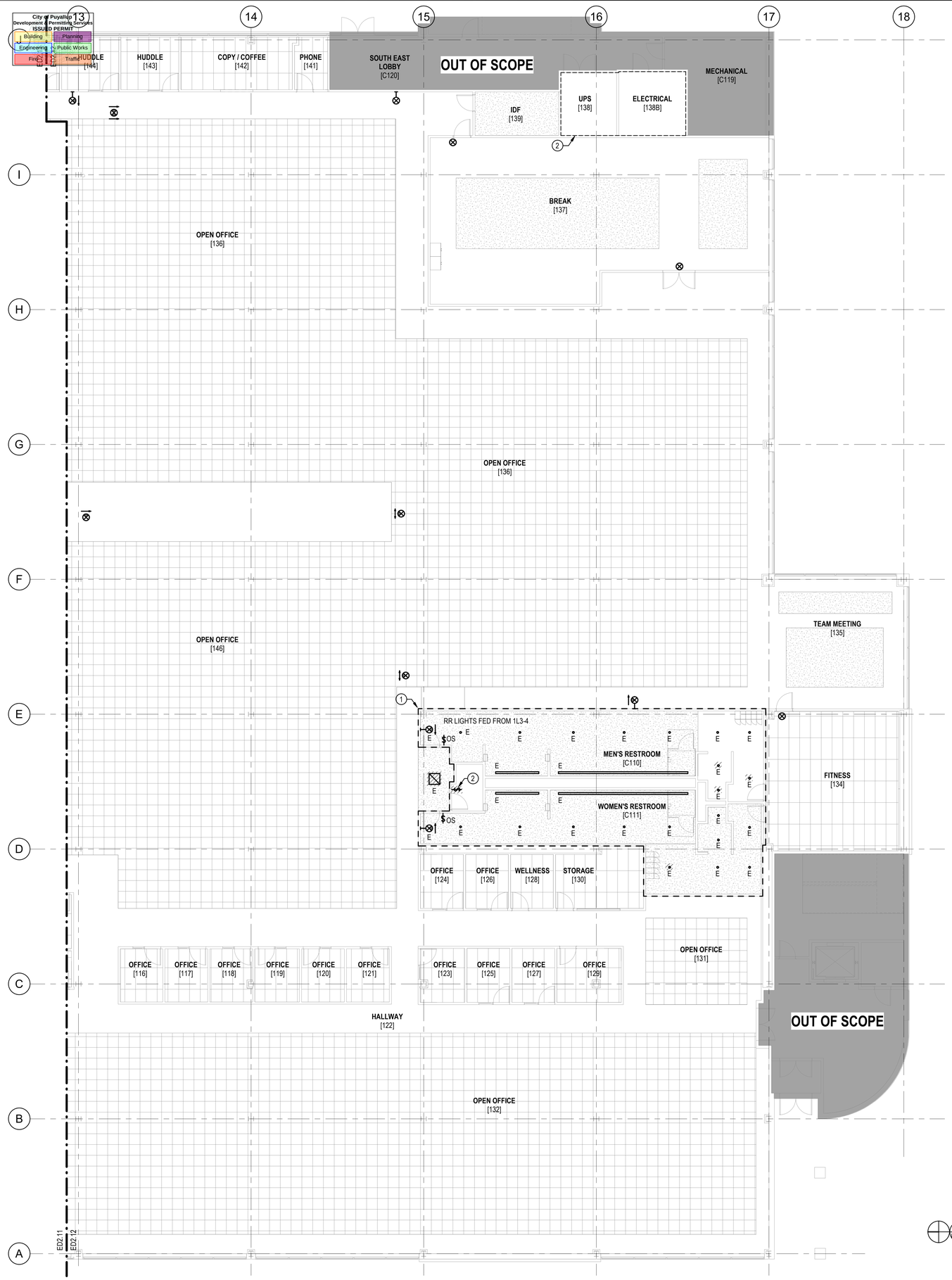
PERMIT BID/SET - 03.04.2025



1 ED2.12 LIGHTING DEMOLITION PLAN - AREA B
1/8" = 1'-0"

GENERAL NOTES

1. SALVAGE AND PROTECT ALL EXISTING LIGHTING FIXTURES FOR REUSE, UNLESS OTHERWISE NOTED. DEMOLISH ALL EXISTING LIGHT SWITCHES, EXIT SIGNS, AND EMERGENCY EGRESS LIGHTS.

CONSTRUCTION NOTES

1. LIGHTING FIXTURES AND EXIT SIGNS IN THIS AREA ARE EXISTING-TO-REMAIN UNLESS NOTED OTHERWISE WITH A DEMOLITION HATCH.
2. REMOVE EXISTING LIGHT SWITCH. PROVIDE NEW LIGHT SWITCH WITH INTEGRATED OCCUPANCY SENSOR.

KEY PLAN

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REVISION SCHEDULE

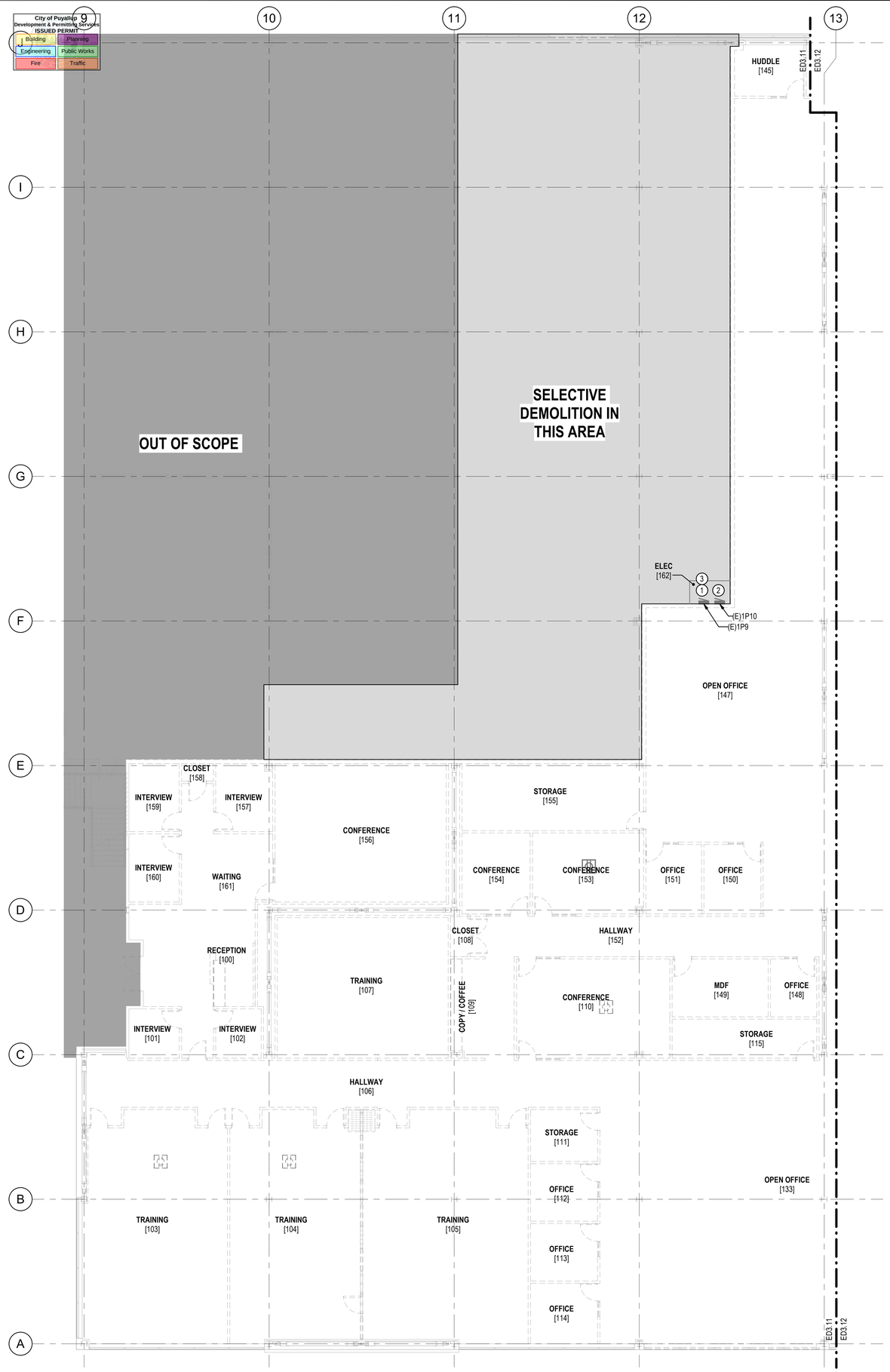
Delta	Issued As	Issue Date

SHEET TITLE:
LIGHTING DEMOLITION PLAN - AREA B

SHEET
ED2.12

JOB NO. **2170269.07**

PERMIT BID/SET - 03.04.2025



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GENERAL NOTES

1. DEMOLISH ALL EXISTING RECEPTACLES, SURFACE MOUNTED RACEWAY, AND ELECTRICAL CONNECTIONS TO EQUIPMENT/DEVICES TO BE REMOVED, AND ALL ASSOCIATED APPURTENANCES. REFER TO ARCHITECTURAL DEMOLITION PLANS.
2. CONTRACTOR MAY REUSE EXISTING CONCEALED EMT CONDUIT THAT MEETS CODE REQUIRED FILL RATIOS. REMOVE ALL UNUSED CONDUIT.
3. REPLACE ALL EXISTING DEVICES TO REMAIN WITH NEW RECEPTACLES AND COVER PLATES. INTERCEPT EXISTING RECEPTACLE CIRCUITS AND EXTEND TO NEW CIRCUITING SHOWN.

CONSTRUCTION NOTES

1. SALVAGE AND PROTECT EXISTING PANEL FOR REINSTALLATION IN NEW LOCATION: ROOM C119 (MECH & RISER ROOM).
2. SALVAGE AND PROTECT EXISTING PANEL FOR REINSTALLATION IN NEW LOCATION: ROOM A1131 (UTLITY).
3. TRACE, INTERCEPT AND EXTEND LOADS ON CIRCUITS 1,3,5 AND 7,9,11 OF PANEL '1P9' TO RELOCATED PANEL '1P10'.

1 ED3.11 POWER DEMOLITION PLAN - AREA A
1/8" = 1'-0"

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REVISION SCHEDULE

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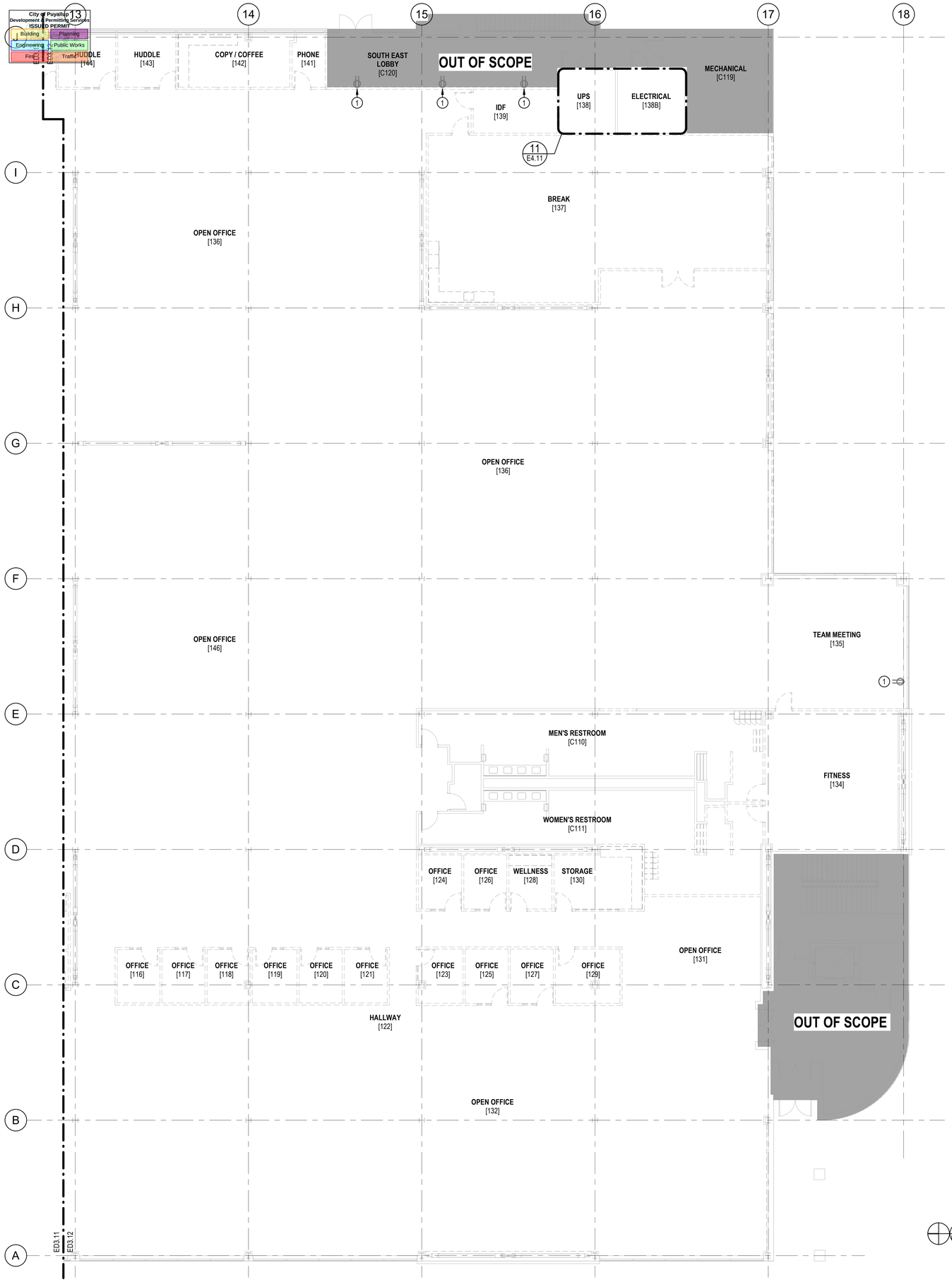
SHEET TITLE:
POWER DEMOLITION PLAN - AREA A

SHEET
ED3.11

JOB NO. 2170269.07

PERMIT BID/SET - 03.04.2025



1 ED3.12 POWER DEMOLITION PLAN - AREA B
1/8" = 1'-0"

GENERAL NOTES

1. DEMOLISH ALL EXISTING RECEPTACLES, SURFACE MOUNTED RACEWAY, AND ELECTRICAL CONNECTIONS TO EQUIPMENT/DEVICES TO BE REMOVED, AND ALL ASSOCIATED APPURTENANCES. REFER TO ARCHITECTURAL DEMOLITION PLANS.
2. CONTRACTOR MAY REUSE EXISTING CONCEALED EMT CONDUIT THAT MEETS CODE REQUIRED FILL RATIOS. REMOVE ALL UNUSED CONDUIT.
3. REPLACE ALL EXISTING DEVICES TO REMAIN WITH NEW RECEPTACLES AND COVER PLATES. INTERCEPT EXISTING RECEPTACLE CIRCUITS AND EXTEND TO NEW CIRCUITING SHOWN.

CONSTRUCTION NOTES

(1) RETAIN EXISTING DEVICE AND REFER TO E3.12 FOR RECIRCUITING TO NEW PANEL.

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PERMIT BID/SET - 03.04.2025

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Building	Planning
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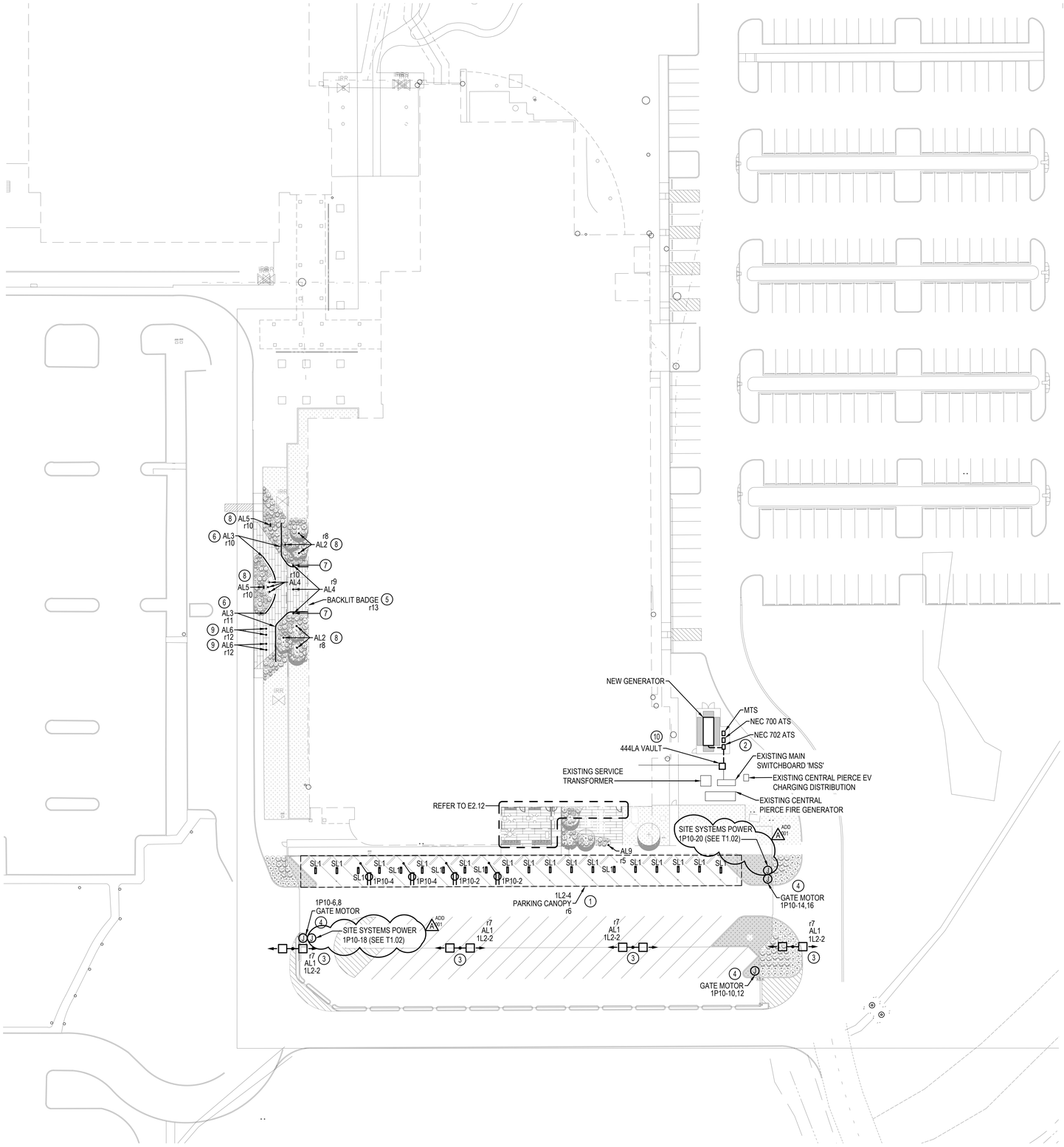

CONTROL			DESCRIPTION
RELAY#	PANEL	CIRCUIT#	
r5	1L2	2	SITE POLE - PATIO
r6	1L2	4	PARKING CANOPY
r7	1L2	6	SITE POLE LIGHTING - PARKING LOT
r8	1L2	8	LANDSCAPE LIGHTING
r9	1L2	10	COLUMN UPLIGHTS
r10	1L2	12	MEMORIAL / SIGN LIGHTING
r11	1L2	16	SITE WALL LIGHTING
r12	1L2	18	FLAG POLE LIGHTING
r13	1L2	20	BACKLIT BADGE

GENERAL NOTES

1. PROVIDE NYLON PULL STRINGS IN ALL SPARE OR EMPTY CONDUITS.
2. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ANY ADDITIONAL HANDHOLES/VAULTS TO MEET ALLOWABLE BEND REQUIREMENTS. DEPENDING ON THE ACTUAL INSTALLED CONDUIT ROUTING, ADDITIONAL HANDHOLES/VAULTS MAY BE NECESSARY.
3. CONDUIT ROUTING SHOWN IS DIAGRAMMATIC. THE CONTRACTOR SHALL FIELD VERIFY PRIOR TO STARTING WORK. COORDINATE ROUTING OF ALL UNDERGROUND CONDUITS WITH OTHER EXISTING AND NEW UNDERGROUND UTILITIES. COORDINATE LOCATIONS WITH ARCHITECTURAL, CIVIL, MECHANICAL, AND LANDSCAPE PLANS.
4. PROVIDE MINIMUM 1"C FOR UNDERGROUND CONDUITS, WITH TRENCHING, BACKFILL, AND #10 CU WIRING FOR ALL EXTERIOR LIGHTING AND DEVICES.
5. FOR EXTERIOR LIGHTING FIXTURE CIRCUITING, WHERE "r#, 1L2-#" IS SHOWN, "r#" INDICATES LIGHTING CONTROL PANEL ZONE/GROUPING, AND "1L2-#" INDICATES CIRCUIT NUMBER.
6. COORDINATE INSTALLATION OF ALL SITE LIGHTING WITH CIVIL AND LANDSCAPE DRAWINGS. THE CONTRACTOR SHALL ALLOCATE (2) DAYS FOR COORDINATING AIMING AND TUNING OF ALL EXTERIOR LIGHTING WITH THE ARCHITECT, ENGINEER, AND LANDSCAPE DESIGNER. ON SITE MEETING SHALL OCCUR OUTSIDE OF DAYLIGHT HOURS.

CONSTRUCTION NOTES

1. PROVIDE SURFACE-MOUNTED 'SL1' FIXTURE AND 1/2" RIGID CONDUIT UNDER CANOPY.
2. INTERCEPT EXISTING FEEDER AND EXTEND TO GENERATOR AND EXISTING DISTRIBUTION.
3. REMOVE EXISTING POLES AND FOUNDATIONS AND PROVIDE NEW. SEE DETAILS ON E5.01 FOR ADDITIONAL INFORMATION.
4. PROVIDE 1" C. WITH (3)#10 CU & (1)#10 CU GND AND CONNECTION TO MOTORIZED GATE CONTROLLER. COORDINATE LOCATION WITH GATE INSTALLING VENDOR.
5. PROVIDE WET-RATED, FLEXIBLE, RGBW LED TAPE LIGHT (APPROXIMATELY 1W/FT) WITH POWER SUPPLY CONCEALED ABOVE ACCESSIBLE CEILING IN CHIEF OFFICE A1069. PROVIDE WITH DIMMING CONTROL SWITCH SUITABLE FOR RGBW LIGHITNG AND CONNECT TO NETWORKED LIGHTING CONTROL SYSTEM FOR SCHEDULING. PROVIDE SUFFICIENT LENGTH TO WRAP PERIMETER OF BADGE (OFFSET ~2" FROM THE EDGE) - APPROXIMATELY 14FT. REFER TO 6/A2.11 FOR ELEVATION. INSTALL POWER SUPPLY AND CONTROL SWITCH INSIDE OF JUNCTION BOX AND LABEL JUNCTION BOX "DEPARTMENT BADGE LIGHTING CONTROL". PROVIDE ADDITIONAL LABEL ON T-BAR AT THE ACOUSTICAL TILE LOCATION DIRECTLY BELOW THE JUNCTION BOX.
6. INSTALL LED TAPE ALONG BASE OF SITE WALL TOE KICK. PROVIDE POWER SUPPLY INSTALLED IN GROUND BOX LOCATED IN LANDSCAPING. SEE SHEET 10/L5.10 - COORDINATE EXACT LOCATION AND QUANTITIES PRIOR TO STARTING WORK.
7. COORDINATE WITH THE GC FOR INSTALLATION OF LIGHT FIXTURES IN SITE WALL. SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.
8. PROVIDE FIXTURE WITH CONCRETE FOUNDATION. SEE E5.11 FOR ADDITIONAL DETAILS.
9. INSTALL 2FT FROM BASE OF FLAG POLE AND AIM FIXTURES AT THE TOP OF THE POLE.
10. PROVIDE NEW VAULT, AS NECESSARY, FOR INTERCEPTION OF EXISTING FEEDERS.

1 ELECTRICAL SITE PLAN
SCALE: 1"=30'-0"

N

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Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:

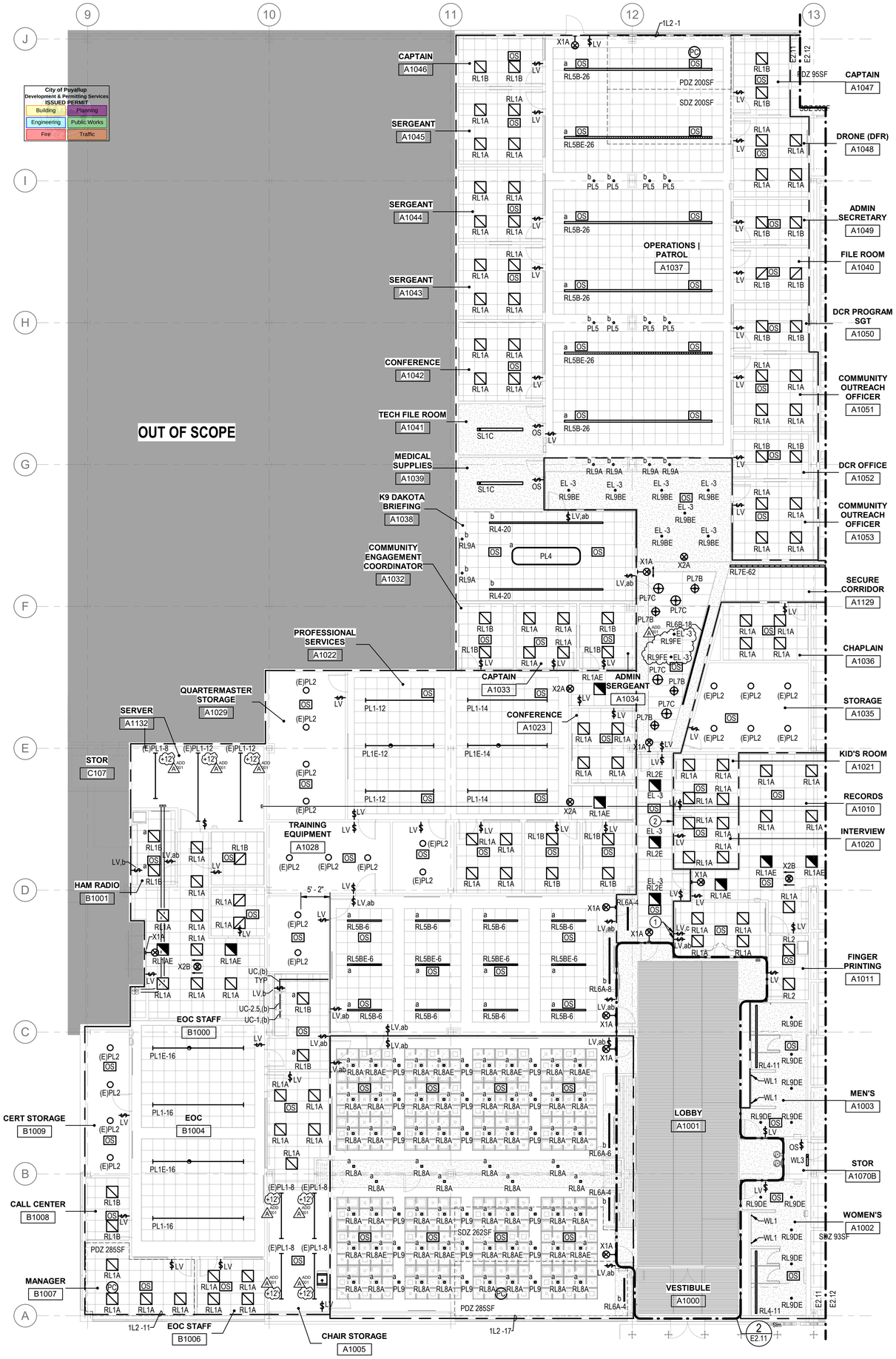
ELECTRICAL SITE PLAN

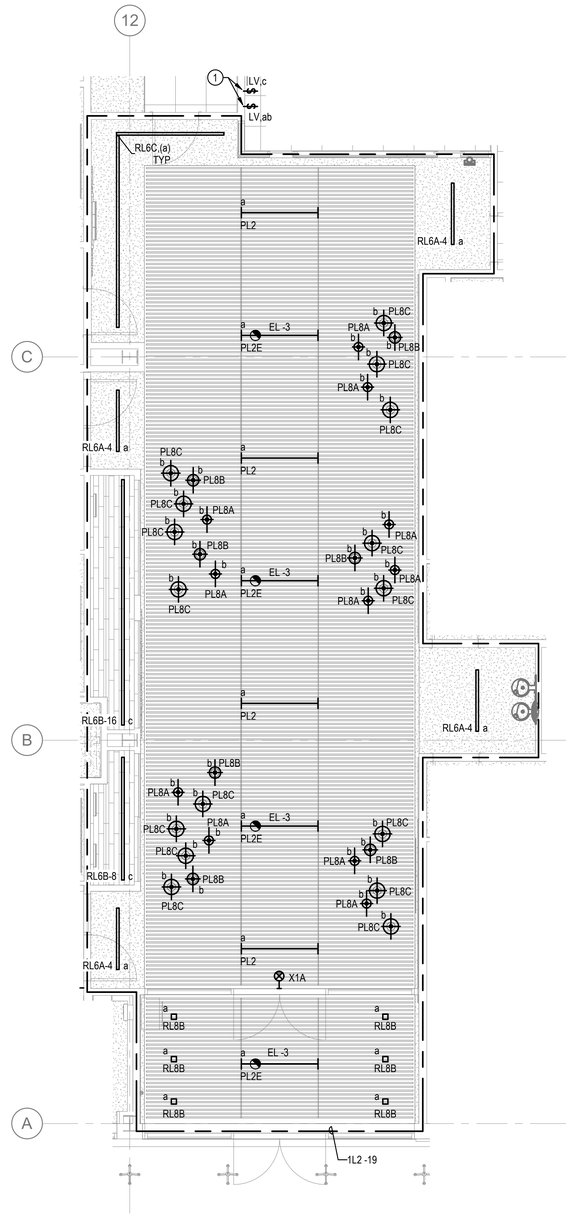
SHEET

E1.01

JOB NO. 2170269.07

PERMIT/BID SET - 03.04.2025





ENLARGED LIGHTING PLAN - ROOMS A1000 (VESTIBULE) & A1001 (LOBBY)
2 / E2.11 1/4" = 1'-0"

LIGHTING PLAN - AREA A
1 / E2.11 1/8" = 1'-0"

GENERAL NOTES

1. ALL FIXTURES NOTED WITH AN "(E)" PRECEDING THEIR FIXTURE ID ARE SALVAGED AND REINSTALLED. REFER TO THE LIGHTING FIXTURE SCHEDULE ON E6.21 FOR MORE INFORMATION.
2. ALL EMERGENCY LIGHTING IS CIRCUITED TO PANEL EL ON CIRCUIT #1 UNLESS NOTED OTHERWISE.

CONSTRUCTION NOTES

1. PROVIDE LIGHT SWITCHES WITH LABELING:
   - SWITCH ab: LOBBY & VESTIBULE LIGHTING
   - SWITCH c: LOBBY DISPLAY LIGHTING
2. PROVIDE EXIT SIGN MATCHING EDGE LIT STYLE THROUGHOUT THE PROJECT WITH CUSTOM LETTERING READING "IN-USE" IN GREEN LETTERING. COORDINATE WITH OWNER, INSTALLING VENDOR, AND TELECOM PLANS PRIOR TO ORDERING.

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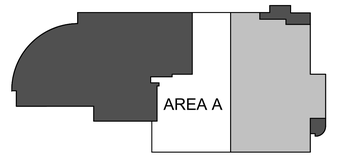
A	Addendum 001	04/04/2025

SHEET TITLE:
LIGHTING PLAN - AREA A

KEY PLAN



SHEET
E2.11

JOB NO. 2170269.07

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OUT OF SCOPE

EXISTING TO REMAIN

SOUTH EAST LOBBY A1136
UPS A1133
ELEC A1134
MECH & RISER ROOM C119
EVIDENCE MAIN STORAGE A1121
EVIDENCE VIEWING | PICKUP A1125
TECHNICIAN A1123
TECHNICIAN A1124
BULK STORAGE A1126
LARGE ITEM INTAKE A1127
DT | FITNESS A1114
HOLDING A1104
VESTIBULE A1103
GROOMING | TREATMENT | STORAGE A1107
CORRIDOR A1102
WEAPON'S MAINTENANCE A1112
PATROL STORAGE | SUPPLIES A1055
SECURE CORRIDOR A1129
EXPLORERS A1054
TRAFFIC A1057
STORAGE A1012
SERGEANT A1059
RECORDS A1010
SUPERVISOR A1018
SUPERVISOR A1017
VIDEO REDACTION A1016
SECURE FILES A1071
CHIEF FRANK CHADWICK CONFERENCE A1072
COPY | PRINT | SUPPLIES A1070
CHIEF A1069
DEPUTY CHIEF A1068
DEPUTY CHIEF A1067
ADMINISTRATIVE CAPTAIN A1066
STORAGE A1085
ISU DIGITAL FORENSICS A1084
ISU DIGITAL FORENSICS A1083
CENTRAL MAIL | PRINT A1063
SECURE CORRIDOR A1062
COLD CASE STORAGE A1088
BIN STORAGE A1073
LOBBY A1065
MEN'S LOCKERS A1097
MEN'S RESTROOM A1096
WOMEN'S RESTROOM A1094
BREAK ROOM A1099
OFFICER BIKE STORAGE A1137
WOMEN'S LOCKERS A1095
COPY | FAX | SUPPLIES STORAGE A1078
CRIMINAL INVESTIGATIONS DIVISION A1075
ISU DIGITAL FORENSICS A1079
ISU DIGITAL FORENSICS A1080
ISU SERGEANT A1081
CAPTAIN A1082

OUT OF SCOPE

ENLARGED LIGHTING PLAN - ROOM A1112 (WEAPON'S MAINTENANCE)
3 / E2.12 — 1/4" = 1'-0"

ENLARGED LIGHTING PLAN - ROOM A1099 (BREAK ROOM)
2 / E2.12 — 1/4" = 1'-0"

LIGHTING PLAN - AREA B
1 / E2.12 — 1/8" = 1'-0"

GENERAL NOTES

1. ALL FIXTURES NOTED WITH AN "(E)" PRECEDING THEIR FIXTURE ID ARE SALVAGED AND REINSTALLED. REFER TO THE LIGHTING FIXTURE SCHEDULE ON E6.21 FOR MORE INFORMATION.
2. ALL EMERGENCY LIGHTING IS CIRCUITED TO PANEL EL ON CIRCUIT #1 UNLESS NOTED OTHERWISE.

CONSTRUCTION NOTES

1. PROVIDE LIGHT SWITCHES WITH LABELING:
   - SWITCH a: ROOM LIGHTING
   - SWITCH bc: KENNEL #1; KENNEL #2
2. INTERCEPT AND EXTEND EXISTING WIRING TO NEW CIRCUIT.
3. EXTEND CIRCUIT FROM EXISTING LIGHTING.
4. PROVIDE NEW LIGHT SWITCH WITH INTEGRATED OCCUPANCY SENSOR.
5. INSTALL LIGHT SWITCH IN SAME BOX AS SWITCH-CONTROLLED LAMP RECEPTACLE. SEE POWER PLAN FOR ADDITIONAL INFORMATION.
6. PROVIDE LOW VOLTAGE DIMMING SWITCH LOCATED IN LARGE INTAKE ITEM A1127 FOR CONTROL OF PATIO LIGHTING. PROVIDE WITH PHENOLIC LABEL READING "PATIO".
7. PROVIDE CONNECTION TO SIGN LIGHTING. PROVIDE WITH 1/2" C. CONCEALED IN CANOPY STRUCTURAL TUBING AND CONNECTION TO LIGHTING CONTROL PANEL FOR SCHEDULING.
8. PROVIDE 8-BUTTON SCENE SWITCH AND SEPARATE ON/OFF/DIM SWITCH FOR CONTROL OF SWITCH ZONES INDICATED. COORDINATE PROGRAMMING REQUIREMENTS WITH THE OWNER AND ENGINEER.

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REVISION SCHEDULE

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A	Addendum 001	04/04/2025

SHEET TITLE:
LIGHTING PLAN - AREA B

KEY PLAN

SHEET
E2.12

JOB NO. 2170269.07

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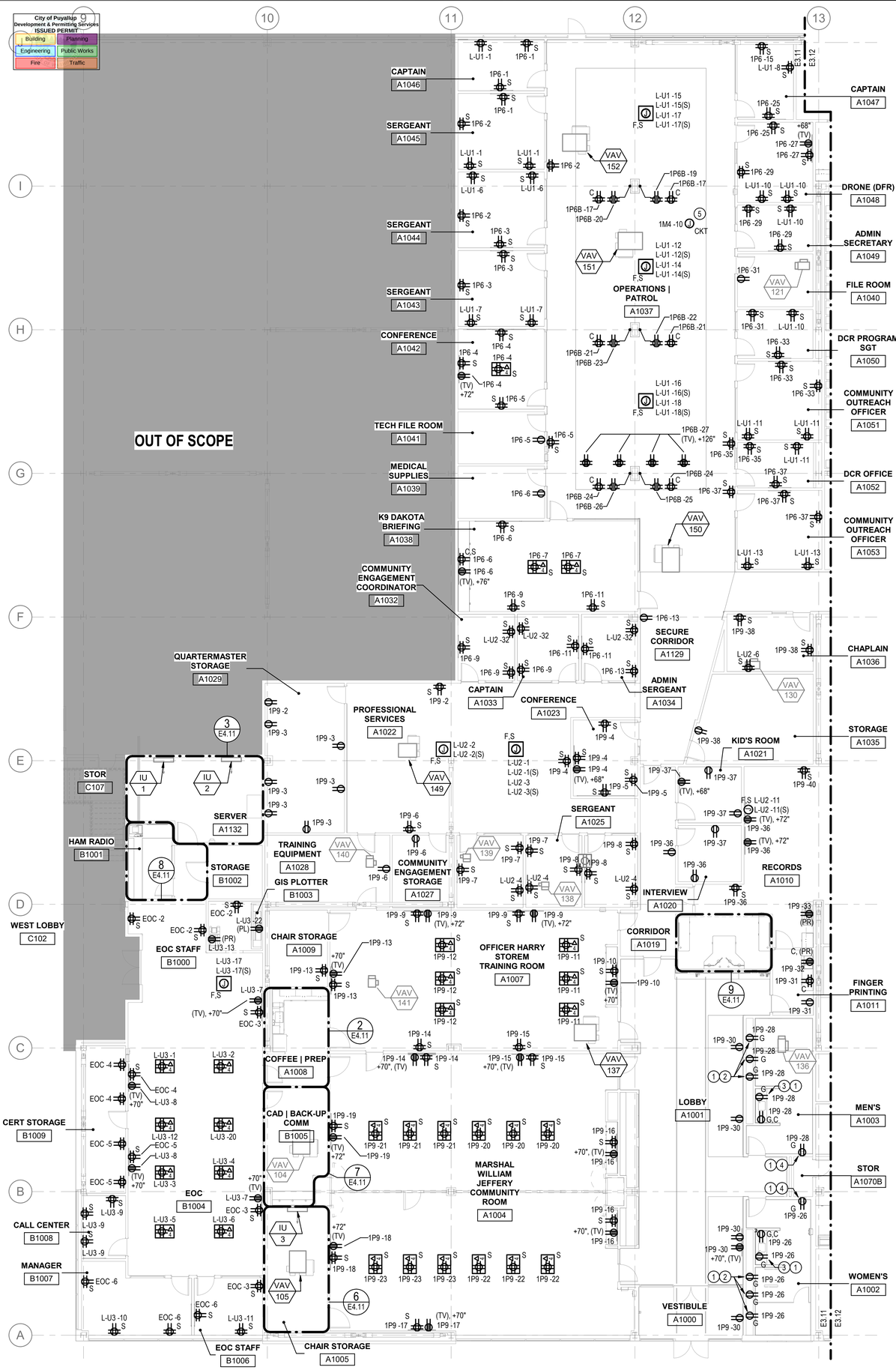

GENERAL NOTES

1. FOR POWERED FURNITURE CONNECTIONS, CIRCUITS NOTED WITH AN "(S)" REPRESENT CIRCUITS FOR CONTROLLED RECEPTACLES. PROVIDE POWER PACKS, AS REQUIRED, TO INTEGRATE CONTROLLED RECEPTACLES WITH THE LIGHTING CONTROL SYSTEM. CIRCUITING IS BASED ON A 2+2 WIRING HARNESS CONFIGURATION - IF A DIFFERENT WIRING HARNESS IS PROVIDED BY THE MANUFACTURER, MODIFICATIONS TO THE CIRCUITING SHOWN MAY NEED TO BE MADE IN THE FIELD. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH FURNITURE INSTALLER PRIOR TO ROUGH-IN.
2. PROVIDE 2" BOX EXTENSION ON ALL NEW AND EXISTING JUNCTION BOXES ALONG EXTERIOR WALLS PROVIDED WITH BALLISTIC PANELING. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.

CONSTRUCTION NOTES

1. PROVIDE GFCI CIRCUIT BREAKER TO SERVE INDICATED EQUIPMENT IN ELECTRICAL PANEL.
2. PROVIDE RECEPTACLE FOR POWERED FLUSH VALVE - FEED FROM GFCI BREAKER. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
3. PROVIDE RECEPTACLE FOR POWERED FAUCET AND POWERED SOAP DISPENSER - FEED FROM GFCI BREAKER. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
4. PROVIDE RECEPTACLE FOR POWERED PAPER TOWEL DISPENSER - FEED FROM GFCI BREAKER. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH INSTALLING VENDOR PRIOR TO ROUGH-IN.
5. PROVIDE 120V, 20A CIRCUIT FOR VAV CONTROL POWER. EACH CIRCUIT SHALL POWER UP TO 20 CONTROLLERS. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH THE MC PRIOR TO ROUGH-IN.

1 E3.11 POWER PLAN - AREA A
1/8" = 1'-0"

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POWER PLAN - AREA A

SHEET
E3.11

JOB NO. **2170269.07**

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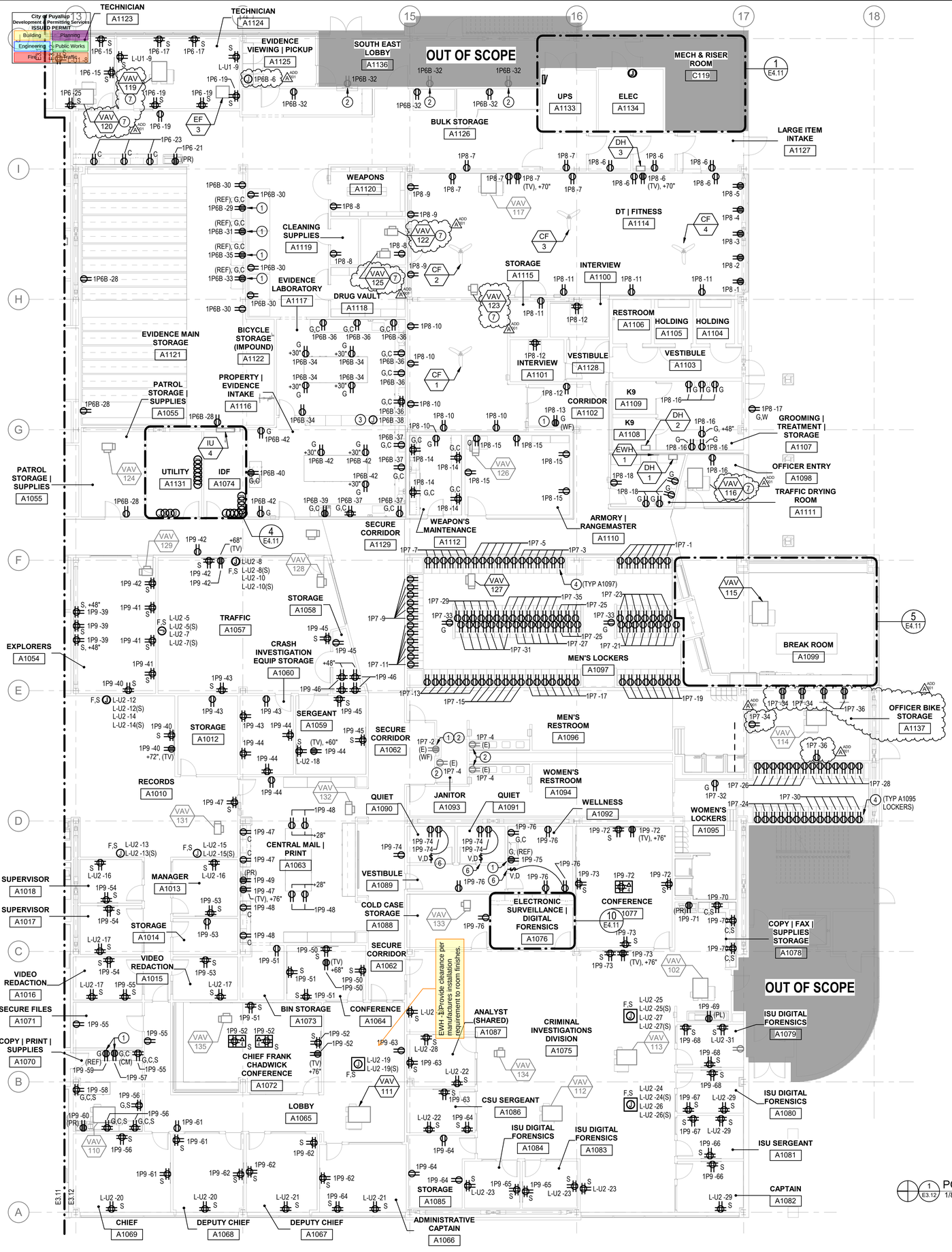

1 E3.12 POWER PLAN - AREA B
1/8" = 1'-0"

GENERAL NOTES

1. FOR POWERED FURNITURE CONNECTIONS, CIRCUITS NOTED WITH AN "(S)" REPRESENT CIRCUITS FOR CONTROLLED RECEPTACLES. PROVIDE POWER PACKS, AS REQUIRED, TO INTEGRATE CONTROLLED RECEPTACLES WITH THE LIGHTING CONTROL SYSTEM. CIRCUITING IS BASED ON A 2+2 WIRING HARNESS CONFIGURATION - IF A DIFFERENT WIRING HARNESS IS PROVIDED BY THE MANUFACTURER, MODIFICATIONS TO THE CIRCUITING SHOWN MAY NEED TO BE MADE IN THE FIELD. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH FURNITURE INSTALLER PRIOR TO ROUGH-IN.
2. PROVIDE 2" BOX EXTENSION ON ALL NEW AND EXISTING JUNCTION BOXES ALONG EXTERIOR WALLS PROVIDED WITH BALLISTIC PANELING. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.

CONSTRUCTION NOTES

1. PROVIDE GFCI CIRCUIT BREAKER IN ELECTRICAL PANEL TO SERVE INDICATED EQUIPMENT.
2. TRACE, INTERCEPT AND EXTEND EXISTING CIRCUIT FROM NEAREST JUNCTION BOX TO INDICATED PANEL. RECIRCUIT EXISTING RECEPTACLE TO MAINTAIN CIRCUIT CONTINUITY.
3. PROVIDE CONNECTION TO POWERED LOCKER.
4. PROVIDE RECEPTACLE, WIRING HARNESS, AND CONNECTION TO POWERED LOCKER. COORDINATE EXACT REQUIREMENTS WITH INSTALLING VENDOR PRIOR TO ROUGH-IN.
5. PROVIDE GFCI BREAKER AND CONNECTION TO DRINKING FOUNTAIN.
6. INSTALL WALL-SWITCH FOR SWITCH-CONTROLLED LAMP RECEPTACLE IN SAME BOX AS LIGHT SWITCH. SEE LIGHTING PLAN FOR ADDITIONAL INFORMATION.
7. PROVIDE CONDUIT AND CONDUCTORS AS NECESSARY TO REFEED EXISTNIG UNIT BEING RELOCATED. (ADD #1)

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
POWER PLAN - AREA B

KEY PLAN

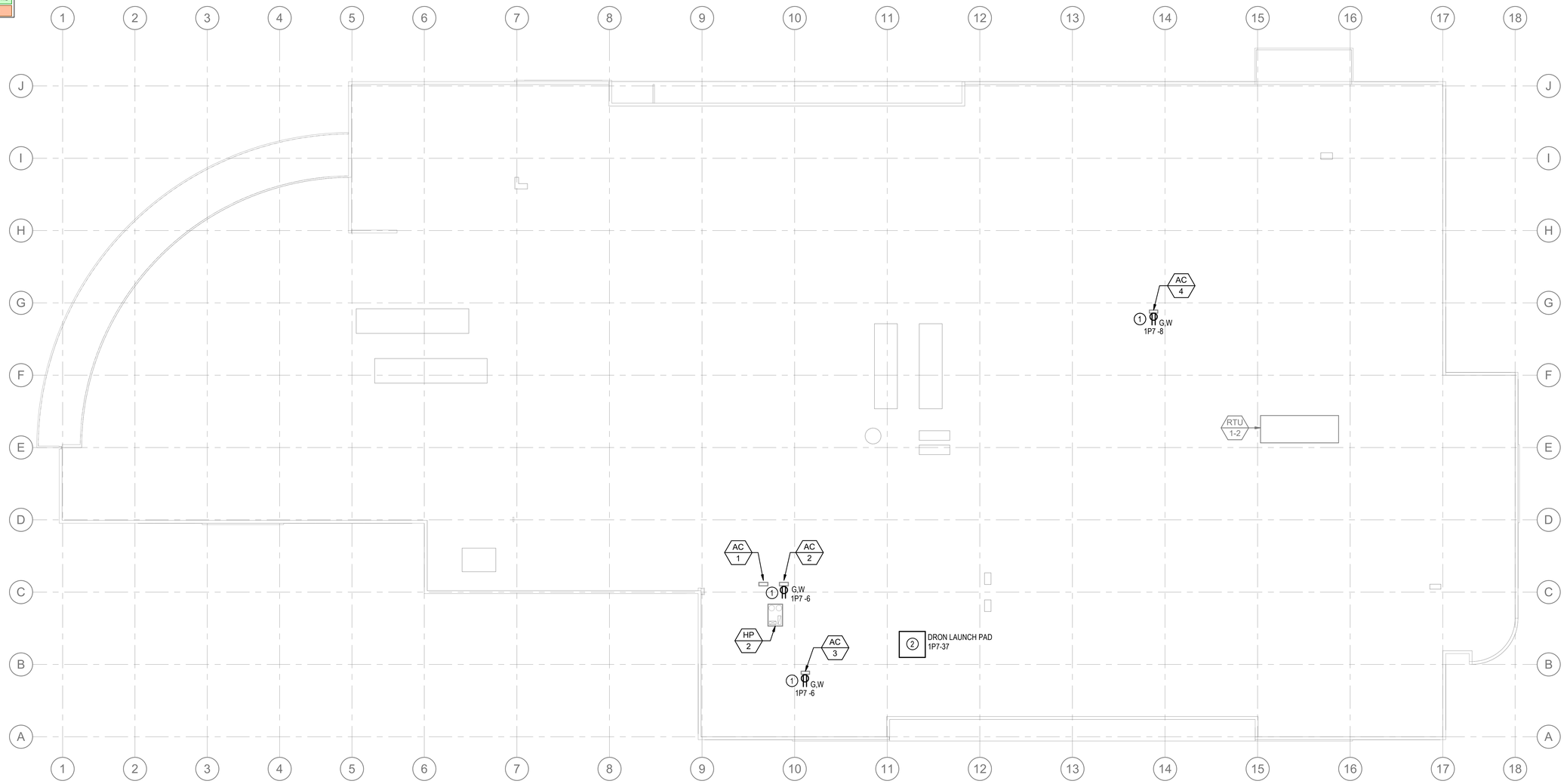
SHEET
E3.12

JOB NO. 2170269.07

Permit/Bid Set 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

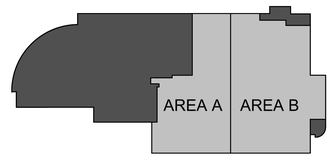


1 / E3.13 POWER PLAN - ROOF
1/16" = 1'-0"

CONSTRUCTION NOTES

1. PROVIDE GFCI RECEPTACLE IN HEAVY-DUTY, WEATHER-RESISTANT, WHILE-IN-USE COVER. MOUNT TO EQUIPMENT OR EQUIPMENT CURB. PROVIDE WITH ALL HARDWARE FOR A COMPLETE INSTALLATION. COORDINATE WITH THE MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
2. APPROXIMATE LOCATION OF DRONE LAUNCH PAD. PROVIDE NEMA 3R ENCLOSURE WITH LOCKABLE, HINGED COVER. SIZE ENCLOSURE FOR EQUIPMENT REQUIRED BY THE MANUFACTURER - MINIMUM 6"x36"x36". PROVIDE 120V CONNECTION AND QUADRUPLEX RECEPTACLE. PROVIDE #4 CU EARTH GROUND CONNECTION AS REQUIRED. COORDINATE EXACT LOCATION WITH THE GC PRIOR TO ROUGH-IN.

KEY PLAN



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REVISION SCHEDULE

Delta	Issued As	Issue Date

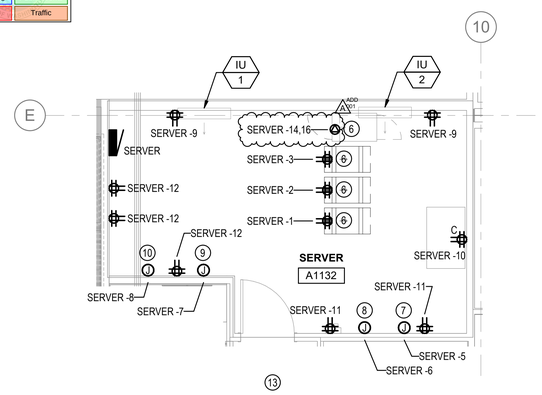
SHEET TITLE:
POWER PLAN - ROOF

SHEET
E3.13

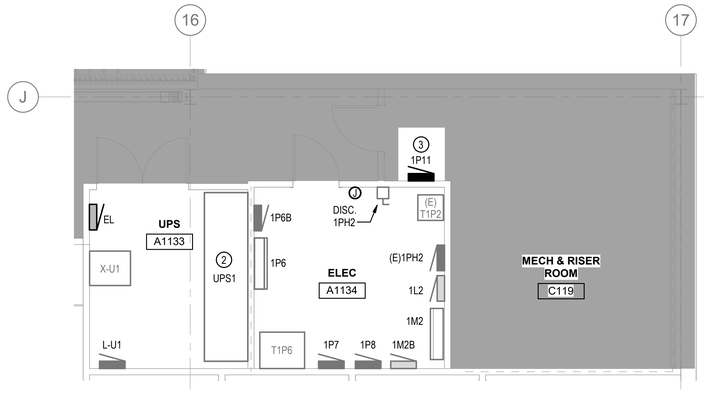
JOB NO. **2170269.07**

PERMIT BID/SET - 03.04.2025

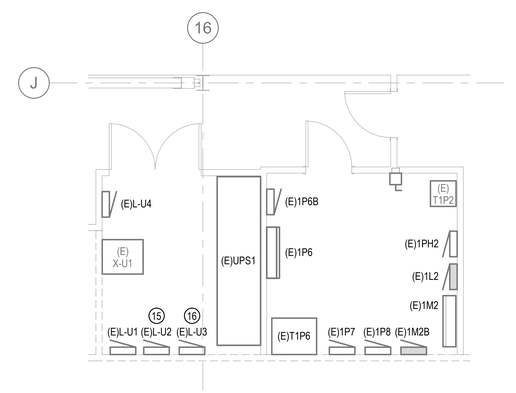
City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning | Engineering | Public Works | Fire | Traffic



3 E4.11 ENLARGED POWER PLAN - ROOM A1132 (SERVER)
1/4" = 1'-0"



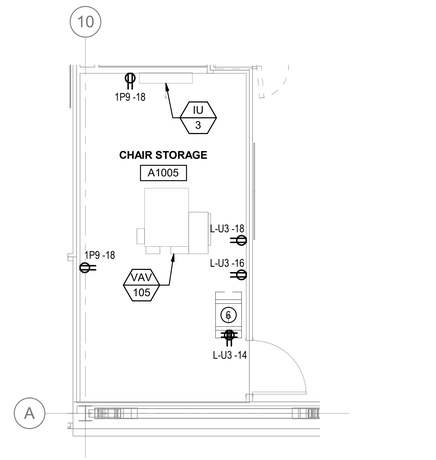
1 E4.11 ENLARGED POWER PLAN - ROOMS C137 (UPS) & C138 (ELEC)
1/4" = 1'-0"



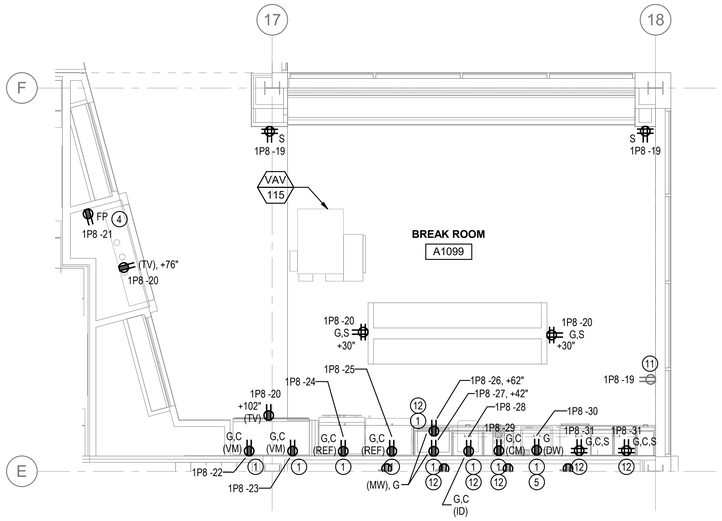
ENLARGED POWER DEMOLITION PLAN - ROOMS C137 (UPS) & C138 (ELEC)
11 E4.11 1/4" = 1'-0"

CONSTRUCTION NOTES

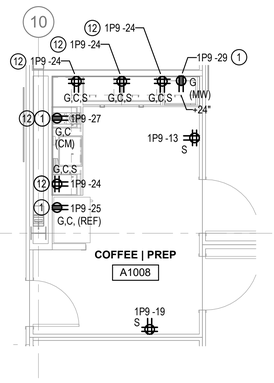
1. PROVIDE GFCI CIRCUIT BREAKER TO SERVE INDICATED EQUIPMENT IN ELECTRICAL PANEL.
2. RETAIN EXISTING UPS - REPLACE ALL BATTERIES WITH EQUIVALENT SIZE AND TYPE. PROVIDE TESTING AND COMMISSIONING TO ENSURE PROPER OPERATION AND PERFORMANCE. EXISTING UPS IS 480V/3PH INPUT/OUTPUT WITH 150KW RATED OUTPUT. PROVIDE WITH MINIMUM 120 MINUTES OR RUNTIME. (ADD A/01)
3. INSTALL SALVAGED PANEL '1P9', AS NECESSARY, FOR CONNECTION OF UNFORESEEN INTERRUPTION OF EXISTING CIRCUITS THAT ARE AFFECTED BY RECIRCUITING EXISTING PANELS TO NEW LOADS. INTERCEPT, SPLICE, AND EXTEND CIRCUITS TO NEW LOCATION. RENAME PANEL '1P9' TO '1P11' AND PROVIDE A NEW PHENOLIC LABEL AND TYPE-WRITTEN CIRCUIT DIRECTORY, PER SPECIFICATION.
4. PROVIDE CONNECTION TO FIREPLACE. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH INSTALLING VENDOR.
5. DISHWASHER TO BE FED FROM RECEPTACLE UNDER SINK.
6. PROVIDE DEDICATED CONNECTION FOR TELECOMMUNICATIONS RACK.
7. PROVIDE POWER FOR ACCESS CONTROL PANEL.
8. PROVIDE POWER FOR INTRUSION PANEL.
9. PROVIDE POWER FOR CELLULAR PANEL.
10. PROVIDE POWER FOR DAS PANEL.
11. TRACE, INTERCEPT AND EXTEND EXISTING CIRCUIT FROM NEAREST JUNCTION BOX TO INDICATED PANEL. RECIRCUIT EXISTING RECEPTACLE TO MAINTAIN CIRCUIT CONTINUITY.
12. PROVIDE BLACK OUTLETS AND MATTE BLACK COVER PLATE FOR RECEPTACLE.
13. REINSTALL SALVAGED PANEL IN NEW LOCATION.
14. RELABEL BREAKERS TO REFLECT NUMBERING SHOWN IN "NEW" / "AFTER" PANEL SCHEDULE ON E6.1X SERIES SHEETS.
15. SALVAGE AND PROTECT EXISTING PANEL FOR REINSTALLATION IN NEW LOCATION: ROOM A1131 (UTLITY).
16. SALVAGE AND PROTECT EXISTING PANEL FOR REINSTALLATION IN NEW LOCATION: ROOM B1000 (EOC STAFF).
17. NEW PANEL TO TAKE ON THE NAME OF AN EXISTING PANEL WHICH IS RENAMED.



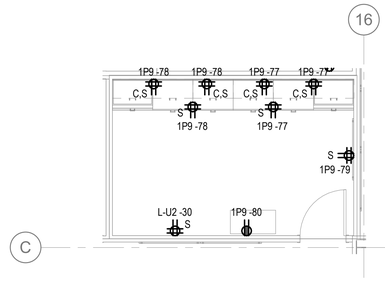
6 E4.11 ENLARGED POWER PLAN - ROOM A1005 (CHAIR STORAGE)
1/4" = 1'-0"



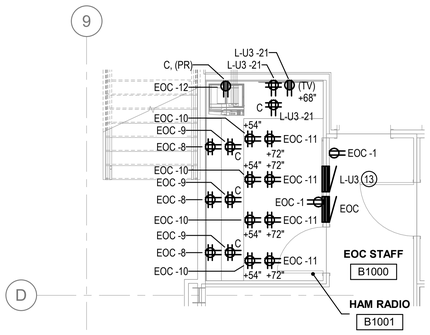
5 E4.11 ENLARGED POWER PLAN - ROOM A1099 (BREAK ROOM)
1/4" = 1'-0"



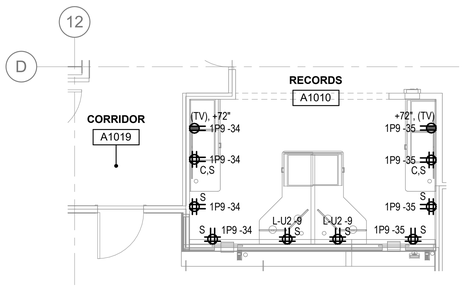
2 E4.11 ENLARGED POWER PLAN - ROOM A1008 (COFFEE / PREP)
1/4" = 1'-0"



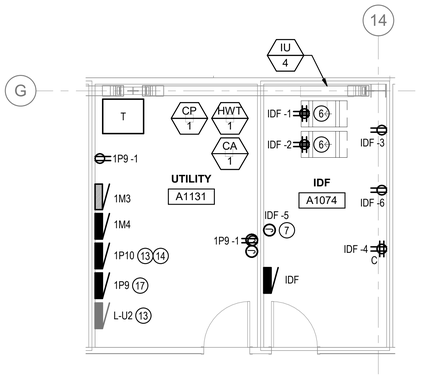
10 E4.11 ENLARGED POWER PLAN - ROOM A1076 (ELECTRONIC SURVEILLANCE / DIGITAL FORENSICS)
1/4" = 1'-0"



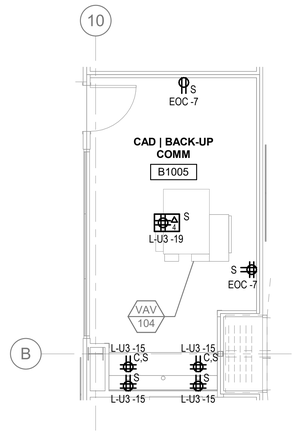
8 E4.11 ENLARGED POWER PLAN - HALLWAY OF ROOM B1000 (EOC STAFF) & ROOM B1001 (HAM RADIO)
1/4" = 1'-0"



9 E4.11 ENLARGED POWER PLAN - ROOM A1010 (RECORDS RECEPTION)
1/4" = 1'-0"



4 E4.11 ENLARGED POWER PLAN - ROOMS A1074 (IDF / ELEC) & A1131 (MECHANICAL)
1/4" = 1'-0"



7 E4.11 ENLARGED POWER PLAN - ROOM B1005 (CAD / BACK-UP COMM)
1/4" = 1'-0"

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
ELECTRICAL ENLARGED PLANS

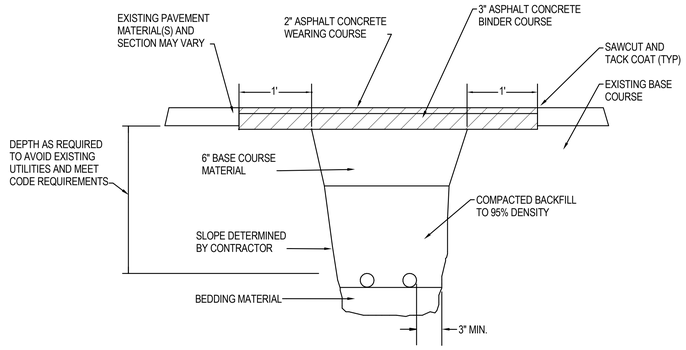
SHEET
E4.11

JOB NO: **2170269.07**

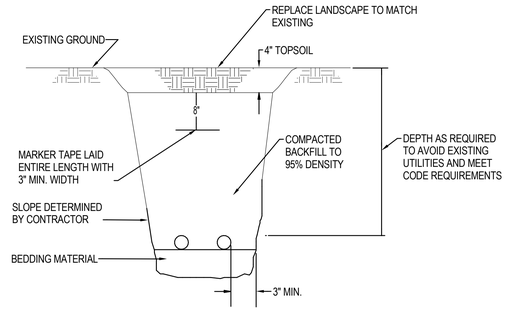
Permit/Bid Set 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

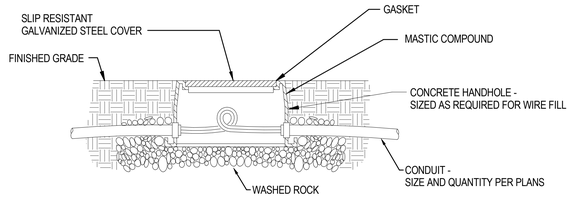
Building	Planning
Engineering	Public Works
Fire	Traffic



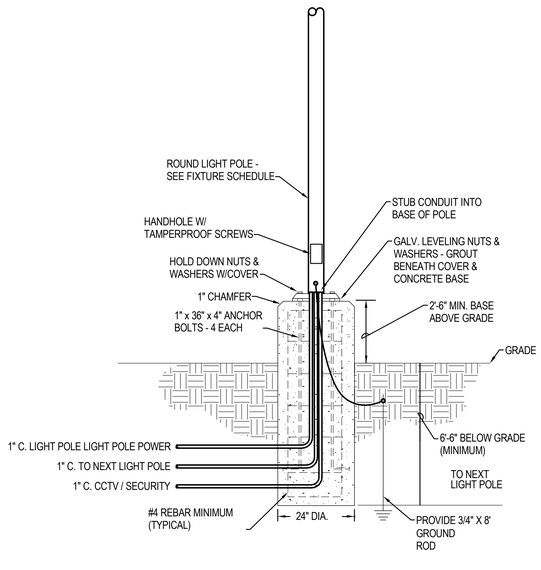
1 DIRECT BURY RACEWAY - ASPHALT AREAS
SCALE: DIAGRAMMATIC



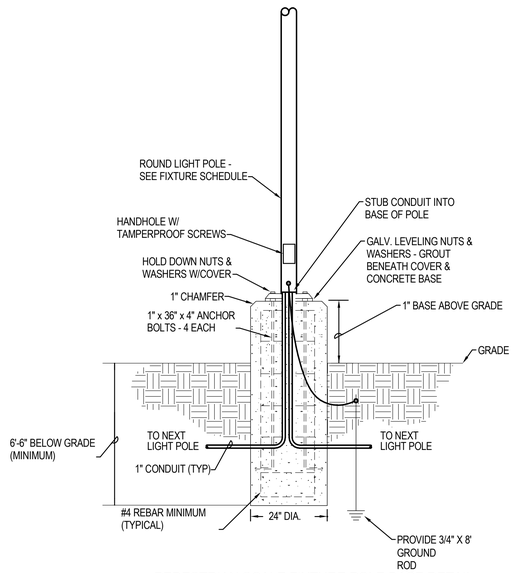
2 DIRECT BURY RACEWAY - LANDSCAPE AREAS
SCALE: DIAGRAMMATIC



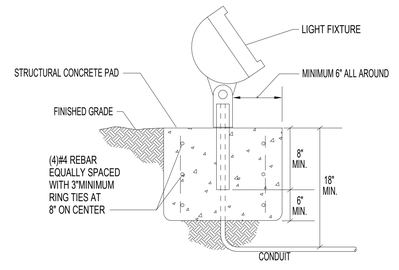
3 HANDHOLE/PULLBOX INSTALLATION DETAIL
SCALE: NOT TO SCALE



4 PARKING LOT LIGHTING POLE BASE DETAIL
SCALE: DIAGRAMMATIC



5 PEDESTRIAN SCALE FIXTURE POLE BASE DETAIL
SCALE: DIAGRAMMATIC



6 FLOOD LIGHT MOUNTING DETAIL
SCALE: NOT TO SCALE

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2/27/2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
ELECTRICAL DETAILS

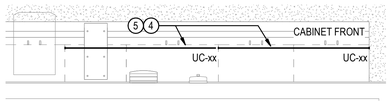
SHEET
E5.11

JOB NO. 2170269.07

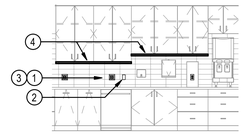
PERMIT BID/SET - 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



2 E5.12 TYPICAL UNDER-CABINET LIGHTING DETAIL
1/2" = 1'-0"



1 E5.12 TYPICAL UNDER-CABINET LIGHTING DETAIL
1/4" = 1'-0"

CONSTRUCTION NOTES

1. COUNTER-HEIGHT DUPLEX OR FOURPLEX RECEPTACLE, AS NOTED ON THE PLANS.
2. LIGHTING SWITCH, AS NOTED ON THE PLANS SHALL BE LOCATED AT SAME ELEVATION AS POWER RECEPTACLE, WHERE PRESENT.
3. DATA OUTLET, SHALL BE LOCATED ADJACENT TO AND AT SAME ELEVATION AS POWER RECEPTACLE, WHERE PRESENT.
4. UC1-XX INDICATES APPROXIMATE LENGTH OF LED TAPE AND EXTRUSDION - CENTERED ON CABINET. PROVIDE SUFFICIENT LENGTHS AND QUANTITIES FOR LIGHTING TO EXTEND CONTINUOSLY FROM END TO END OF THE UNDERCABINET. LED TAPE AND EXTRUSION SHALL BE FIELD-CUT TO WITHIN 2" OF EACH END OF THE INSTALLED CABINET. MOUNT EXTRUSION FLUSH WITH THE FRONT LIP OF THE UNDERCABINET. REMOTE MOUNT DRIVER(S) CONCEALED IN AN ACCESSIBLE LOCATION - EITHER ABOVE ACCESSIBLE CEILING, OR IN A FLUSH-MOUNTED ENCLOSURE RECESSED INTO THE BACK OF THE BASE CABINET WITH REMOVABLE COVER AND LABEL READING: "UNDERCABINER LED DRIVER". ALL WIRE AND RACEWAY SHALL BE CONCEALED. SEE FLOORPLANS FOR MORE INFORMATION. REFER TO A5.24 FOR ADDITIONAL DETAILS.
5. COORDINATE WITH THE GC TO NOTCH THE REVEAL IN UPPER CABINET TO ALLOW FOR CONTINUOUS EXTRUSION ACROSS CABINET - TYPICAL ALL INSTANCES.

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Delta	Issued As	Issue Date

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ELECTRICAL DETAILS

SHEET
E5.12

JOB NO. **2170269.07**

PERMIT BID/SET - 03.04.2025

City of Puyallup
Development & Permitting Services
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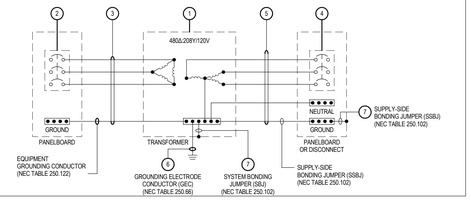
TRANSFORMER SCHEDULE

1 TRANSFORMER kVA	2 PRIMARY C.B.	3 PRIMARY FEEDER RACEWAY	3 PRIMARY FEEDER CONDUCTORS	4 SECONDARY C.B.	5 SECONDARY FEEDER RACEWAY	5 SECONDARY FEEDER CONDUCTORS	6 GEC	7 SBJ SSBJ
15	30	3/4"	3#10 & 1#10 G	50	1	4#6 & 1#8 G	#8	#8
30	60	1.25"	3#4 & 1#10 G	100	1.5"	4#2 & 1#8 G	#8	#8
45	80	1.5"	3#2 & 1#6 G	150	2"	4#1/0 & 1#6 G	#6	#6
75	125	1.5"	3#1 & 1#6 G	225	2.5"	4#4/0 & 1#2 G	#2	#2
112.5	175	2"	3#2/0 & 1#6 G	400	3.5"	4-600 kcmil & 1#1/0 G	#1/0	#1/0
150	225	2"	3#4/0 & 1#4 G	500	(2) 3"	(2) 4-250 kcmil & 1#1/0 G	#1/0	#1/0
225	400	3.5"	3-600 kcmil & 1#2 G	800	(2) 4"	(2) 4-600 kcmil & 1#2/0 G	#2/0	#3/0
300	500	(2) 2.5"	(2) 3-250 kcmil & 1#1/0 G	1000	(3) 4"	(3) 4-500 kcmil & 1#3/0 G	#3/0	#4/0
500	800	(2) 3.5"	(2)-3-600 kcmil & 1#1/0 G	1600	(4) 4"	(4) 4-600 kcmil & 1#3/0 G	#3/0	300 kcmil
750	1200	(4) 3"	(4) 3-350 kcmil & 1#3/0 G	2500	(6) 4"	(6) 4-600 kcmil & 1#3/0 G	#3/0	500 kcmil
1000	1600	(4) 3.5"	(4) 3-600 kcmil & 1#4/0 G	3500	(10) 4"	(10) 4-500 kcmil & 1#3/0 G	#3/0	750 kcmil



COPPER FEEDER SCHEDULE

AMPACITY (AMPS)	SYMBOL ID.	FEEDER 3 PHASE, 4 WIRE	RACEWAY	SYMBOL ID.	FEEDER 3 PHASE, 3 WIRE	RACEWAY
20	20	4#12, 1#12 G	3/4"	20N	3#12, 1#12 G	3/4"
30	30	4#10, 1#10 G	3/4"	30N	3#10, 1#10 G	3/4"
40	40	4#8, 1#10 G	1"	40N	3#8, 1#10 G	1"
50	50	4#6, 1#10 G	1"	50N	3#6, 1#10 G	1"
60	60	4#4, 1#10 G	1.5"	60N	3#4, 1#10 G	1.5"
70	70	4#4, 1#8 G	1.5"	70N	3#4, 1#8 G	1.5"
100	100	4#2, 1#8 G	1.5"	100N	3#2, 1#8 G	1.5"
125	125	4#1, 1#6 G	2"	125N	3#1, 1#6 G	1.5"
150	150	4#1/0, 1#6 G	2"	150N	3#1/0, 1#6 G	1.5"
175	175	4#2/0, 1#6 G	2"	175N	3#2/0, 1#6 G	2"
200	200	4#3/0, 1#6 G	2.5"	200N	3#3/0, 1#6 G	2"
225	225	4#4/0, 1#4 G	2.5"	225N	3#4/0, 1#4 G	2"
250	250	4#250 kcmil, 1#4 G	3"	250N	3#250 kcmil, 1#4 G	2.5"
300	300	4#350 kcmil, 1#4 G	3"	300N	3#350 kcmil, 1#4 G	3"
400	400	4#600 kcmil, 1#2 G	4"	400N	3#600 kcmil, 1#2 G	3.5"
500	500	2 SETS 4#250 kcmil, 1#1/0 G	(2) 3"	500N	2 SETS 3#250 kcmil, 1#1/0 G	(2) 2.5"
600	600	2 SETS 4#350 kcmil, 1#1/0 G	(2) 3"	600N	2 SETS 3#350 kcmil, 1#1/0 G	(2) 3"
800	800	2 SETS 4#600 kcmil, 1#1/0 G	(2) 4"	800N	2 SETS 3#600 kcmil, 1#1/0 G	(2) 3.5"
1000	1000	3 SETS 4#500 kcmil, 1#2/0 G	(3) 3.5"	1000N	3 SETS 3#500 kcmil, 1#2/0 G	(3) 3"
1200	1200	4 SETS 4#350 kcmil, 1#3/0 G	(4) 3"	1200N	4 SETS 3#350 kcmil, 1#3/0 G	(4) 3"
1600	1600	4 SETS 4#600 kcmil, 1#4/0 G	(4) 4"	1600N	4 SETS 3#600 kcmil, 1#4/0 G	(4) 3.5"
2000	2000	5 SETS 4#600 kcmil, 1#250 kcmil G	(5) 4"	2000N	5 SETS 3#600 kcmil, 1#250kcmil G	(5) 3.5"
2500	2500	6 SETS 4#600 kcmil, 1#350 kcmil G	(6) 4"	2500N	6 SETS 3#600 kcmil, 1#350 kcmil G	(6) 3.5"
3000	3000	8 SETS 4#500 kcmil, 1#500 kcmil G	(8) 3.5"	3000N	8 SETS 3#500 kcmil, 1#500 kcmil G	(8) 3.5"
4000	4000	10 SETS 4#600 kcmil, 1#600 kcmil G	(10) 4"	4000N	10 SETS 3#600 kcmil, 1#600 kcmil G	(10) 3.5"

NOTES:
1. ALL FEEDERS ARE COPPER WITH THHN/THWN INSULATION.
2. FOR FEEDERS WITH AN "SL" SUFFIX, DELETE THE GROUND CONDUCTOR.

METER LEGEND

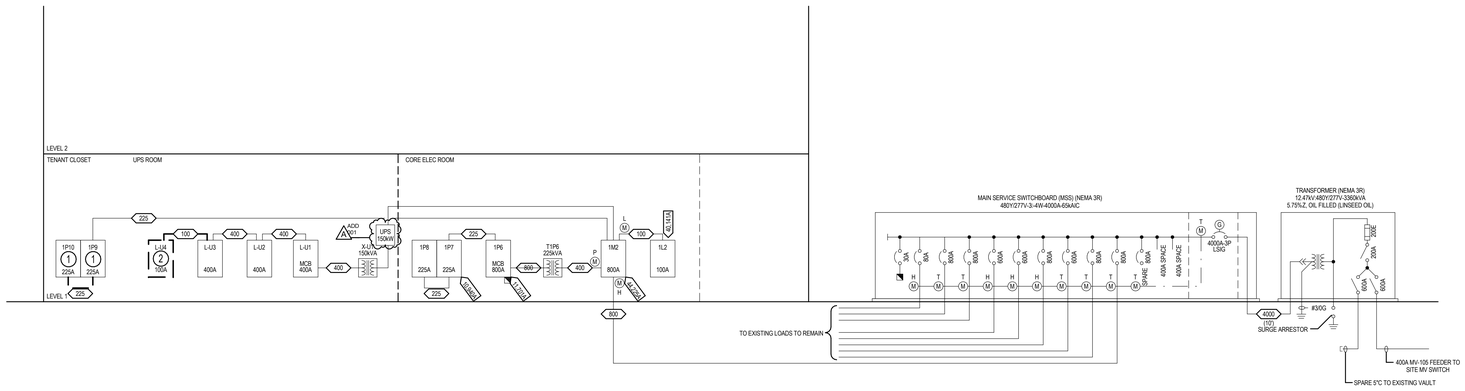
M	H	HVAC
M	L	LIGHTING
M	P	POWER
M	PR	PROCESS
M	T	TOTAL

GENERAL NOTES

1. REFER TO SHEET E0.2.
2. EQUIPMENT SHOWN LIGHTWEIGHT AND DASHED IS BY TENANT.

CONSTRUCTION NOTES

1. SALVAGE AND PROTECT EXISTING PANELBOARDS FOR REINSTALLATION IN NEW LOCATION. REFER TO POWER PLANS FOR ADDITIONAL INFORMATION.
2. REMOVE EXISTING PANEL AND PREPARE AREA FOR NEW EMERGENCY LIGHTING PANEL.



1 E6.01 ELECTRICAL EXISTING ONE-LINE DIAGRAM
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04/04/2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
EXISTING ONE-LINE DIAGRAM

SHEET
E6.01

JOB NO. **2170269.07**

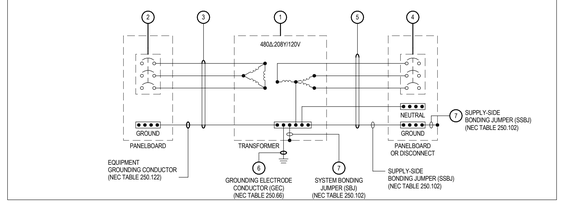
Permit/Bid Set 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

TRANSFORMER SCHEDULE

1 TRANSFORMER kVA	2 PRIMARY C.B.	3 PRIMARY FEEDER RACEWAY	3 PRIMARY FEEDER CONDUCTORS	4 SECONDARY C.B.	5 SECONDARY FEEDER RACEWAY	5 SECONDARY FEEDER CONDUCTORS	6 GEC	7 SSJ SSBJ
15	30	3/4"	3#10 & 1#10 G	50	1	4#6 & 1#8 G	#8	#8
30	60	1.25"	3#4 & 1#10 G	100	1.5"	4#2 & 1#8 G	#8	#8
45	80	1.5"	3#2 & 1#8 G	150	2"	4#1/0 & 1#6 G	#6	#6
75	125	1.5"	3#1 & 1#6 G	225	2.5"	4#4/0 & 1#2 G	#2	#2
112.5	175	2"	3#2/0 & 1#6 G	400	3.5"	4-600 kcmil & 1#1/0 G	#1/0	#1/0
150	225	2"	3#4/0 & 1#4 G	500	(2) 3"	(2) 4-250 kcmil & 1#1/0 G	#1/0	#1/0
225	400	3.5"	3-600 kcmil & 1#2 G	800	(2) 4"	(2) 4-600 kcmil & 1#2/0 G	#2/0	#3/0
300	500	(2) 2.5"	(2) 3-250 kcmil & 1#1/0 G	1000	(3) 4"	(3) 4-500 kcmil & 1#3/0 G	#3/0	#4/0
500	800	(2) 3.5"	(2) 3-600 kcmil & 1#1/0 G	1600	(4) 4"	(4) 4-600 kcmil & 1#3/0 G	#3/0	300 kcmil
750	1200	(4) 3"	(4) 3-350 kcmil & 1#3/0 G	2500	(6) 4"	(6) 4-600 kcmil & 1#3/0 G	#3/0	500 kcmil
1000	1600	(4) 3.5"	(4) 3-600 kcmil & 1#4/0 G	3000	(10) 4"	(10) 4-500 kcmil & 1#3/0 G	#3/0	750 kcmil



COPPER FEEDER SCHEDULE

AMPACITY (AMPS)	SYMBOL ID.	FEEDER 3 PHASE, 4 WIRE	RACEWAY	SYMBOL ID.	FEEDER 3 PHASE, 3 WIRE	RACEWAY
20	20	4#12, 1#12 G	3/4"	20N	3#12, 1#12 G	3/4"
30	30	4#10, 1#10 G	3/4"	30N	3#10, 1#10 G	3/4"
40	40	4#8, 1#10 G	1"	40N	3#8, 1#10 G	1"
50	50	4#6, 1#10 G	1"	50N	3#6, 1#10 G	1"
60	60	4#4, 1#10 G	1.5"	60N	3#4, 1#10 G	1.5"
70	70	4#4, 1#8 G	1.5"	70N	3#4, 1#8 G	1.5"
100	100	4#2, 1#8 G	1.5"	100N	3#2, 1#8 G	1.5"
125	125	4#1, 1#6 G	2"	125N	3#1, 1#6 G	1.5"
150	150	4#1/0, 1#6 G	2"	150N	3#1/0, 1#6 G	1.5"
175	175	4#2/0, 1#6 G	2"	175N	3#2/0, 1#6 G	2"
200	200	4#3/0, 1#6 G	2.5"	200N	3#3/0, 1#6 G	2"
225	225	4#4/0, 1#4 G	2.5"	225N	3#4/0, 1#4 G	2"
250	250	4#250 kcmil, 1#4 G	3"	250N	3#250 kcmil, 1#4 G	2.5"
300	300	4#350 kcmil, 1#4 G	3"	300N	3#350 kcmil, 1#4 G	3"
400	400	4#600 kcmil, 1#2 G	4"	400N	3#600 kcmil, 1#2 G	3.5"
500	500	2 SETS 4#250 kcmil, 1#1/0 G	(2) 3"	500N	2 SETS 3#250 kcmil, 1#1/0 G	(2) 2.5"
600	600	2 SETS 4#350 kcmil, 1#1/0 G	(2) 3"	600N	2 SETS 3#350 kcmil, 1#1/0 G	(2) 3"
800	800	2 SETS 4#600 kcmil, 1#1/0 G	(2) 4"	800N	2 SETS 3#600 kcmil, 1#1/0 G	(2) 3.5"
1000	1000	3 SETS 4#500 kcmil, 1#2/0 G	(3) 3.5"	1000N	3 SETS 3#500 kcmil, 1#2/0 G	(3) 3"
1200	1200	4 SETS 4#350 kcmil, 1#3/0 G	(4) 3"	1200N	4 SETS 3#350 kcmil, 1#3/0 G	(4) 3"
1600	1600	4 SETS 4#600 kcmil, 1#4/0 G	(4) 4"	1600N	4 SETS 3#600 kcmil, 1#4/0 G	(4) 3.5"
2000	2000	5 SETS 4#600 kcmil, 1#250 kcmil G	(5) 4"	2000N	5 SETS 3#500 kcmil, 1#250kcmil G	(5) 3.5"
2500	2500	6 SETS 4#600 kcmil, 1#350 kcmil G	(6) 4"	2500N	6 SETS 3#600 kcmil, 1#350 kcmil G	(6) 3.5"
3000	3000	8 SETS 4#500 kcmil, 1#500 kcmil G	(8) 3.5"	3000N	8 SETS 3#500 kcmil, 1#500 kcmil G	(8) 3.5"
4000	4000	10 SETS 4#600 kcmil, 1#600 kcmil G	(10) 4"	4000N	10 SETS 3#600 kcmil, 1#600 kcmil G	(10) 3.5"

NOTES:
1. ALL FEEDERS ARE COPPER WITH THHN/THWN INSULATION.
2. FOR FEEDERS WITH AN "SL" SUFFIX, DELETE THE GROUND CONDUCTOR.

METER LEGEND

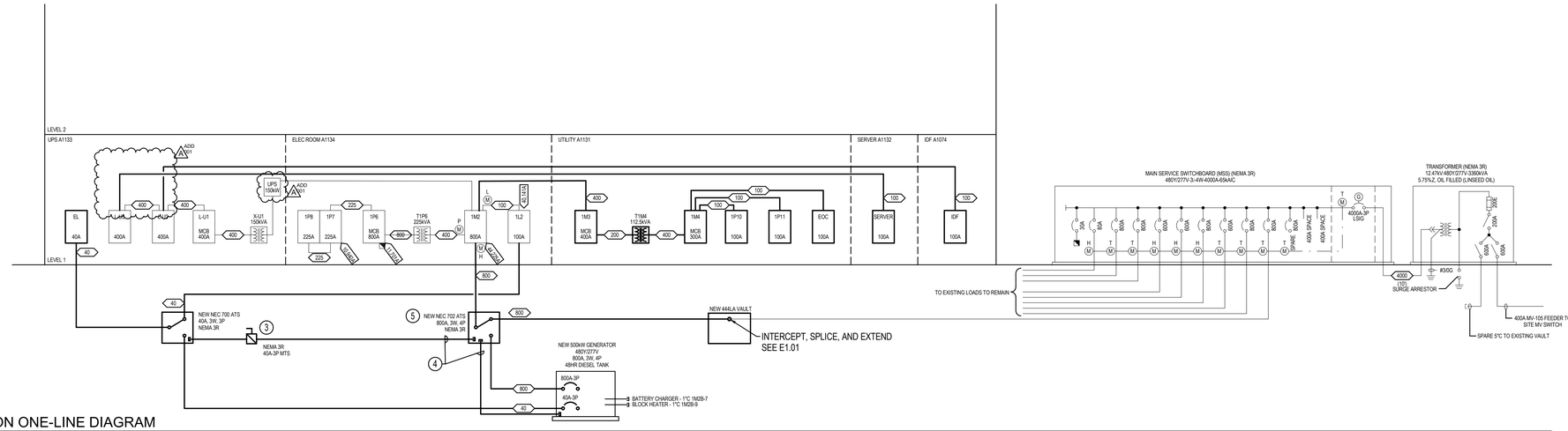
(M) H	HVAC
(M) L	LIGHTING
(M) P	POWER
(M) PR	PROCESS
(M) T	TOTAL

GENERAL NOTES

1. REFER TO SHEET E0.2.
2. EQUIPMENT SHOWN LIGHTWEIGHT AND DASHED IS BY TENANT.

CONSTRUCTION NOTES

1. REINSTALL SALVAGED IN NEW LOCATION.
2. INTERCEPT, SPLICE, AND EXTEND EXISTING CONDUIT AND WIRE TO NEW LOCATION.
3. PROVIDE NEMA 3R ESL "TRIPLESWITCH" MANUAL TRANSFER SWITCH, OR EQUAL, FOR CONNECTION OF PORTABLE TEMPORARY EMERGENCY POWER SOURCE PER NEC 700.3(F)(5). PROVIDE CTS FOR MONITORING THE TEMPORARY POWER SOURCE. PROVIDE REMOTE ANNUNCIATOR AND CONNECTION TO EMCS. REFER TO A.E3.13 FOR APPROXIMATE LOCATION OF MTS. COORDINATE ALL WORK WITH THE MECHANICAL AND CONTROLS CONTRACTORS.
4. PROVIDE 1" CONDUIT, CABLING, ALL REQUIRED CABLE TERMINATION, AND PROGRAMMING FOR GENERATOR AND ATS CONTROL PER THE MANUFACTURER'S RECOMMENDATIONS.
5. PROVIDE CONNECTION TO BMS. NEC 702 ATS SHALL BE DELAYED TRANSITION TYPE AND SHALL BE PROGRAMMED TO AUTOMATICALLY LOAD-SHED UPON COMMAND FROM ATS-EM IN THE EVENT THAT THE GENERATOR CANNOT ADEQUATELY SUPPLY BOTH EMERGENCY AND STANDBY LOADS.



1 E6.02 ELECTRICAL CONSTRUCTION ONE-LINE DIAGRAM
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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
CONSTRUCTION ONE-LINE DIAGRAM

SHEET
E6.02

JOB NO. 2170269.07

Permit/Bid Set 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Other

PANEL: (E)1M2
LOCATION: ELEC C138

PHASE: 3 VOLTAGE: 480Y/277V FEED TYPE: 800 A MCB
MOUNT: WIRE: 4 800 A BUS
TYPE: POLES: 48 SF MAINS: 65,000 AIC MIN.

LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC
	1				46710 VA	3550 VA								2	
Spare	3	(E) UPS (to PANEL L-U1 via XFMR U-X1)	200	3			43520 VA	3550 VA			3	25	VAV 114	4	--
	5								44360 VA	3550 VA				6	
	7				3890 VA	3550 VA								8	
--	9	VAV 102	25	3			3890 VA	3550 VA			3	25	VAV 115	10	--
	11								3890 VA	3550 VA				12	
	13				3550 VA	5210 VA								14	
--	15	VAV 104	25	3			3550 VA	5210 VA			3	30	VAV 103	16	--
	17								3550 VA	5210 VA				18	
	19				3720 VA	4720 VA								20	
--	21	VAV 105	25	3			3720 VA	4720 VA			3	30	VAV 110	22	--
	23								3720 VA	4720 VA				24	
	25				4050 VA	4720 VA								26	
--	27	VAV 116	25	3			4050 VA	4720 VA			3	30	VAV 111	28	--
	29								4050 VA	4720 VA				30	
	31				3550 VA	4720 VA								32	
--	33	VAV 117	25	3			3550 VA	4720 VA			3	30	VAV 112	34	--
	35								3550 VA	4720 VA				36	
--	37	SPARE	20	1	0 VA	9830 VA								38	
--	39	SPARE	20	1			0 VA	12830 VA			3	100	(E) PANEL 1M2B	40	Spare; D
	41								69940 VA	12380 VA				42	
Spare	43	(E) PANEL 1P6 via (E) XFMR T1P6	400	3	67760 VA	5087 VA								44	
	45						59080 VA	6390 VA			3	100	(E) PANEL 1L2	46	Spare
--	47	*UNUSABLE SPACE*	--	1					--	3900 VA				48	
		Total Connected Load (VA):			174617 VA		167050 VA		175810 VA						
		Total Connected Current (A):			635		603		639						

L (125%) = 0 VA
R<10,000(100%) = 0 VA
R>10,000 (50%) = 0 VA
RECEPTS TOTAL = 0 VA
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 0 VA
Motor-OTHER (100%) = 0 VA
MOTOR TOTAL =
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) =
K (65%) =
A (100%) =
D (100%) = 2000 VA
E (80%) =

Panel Totals	
Total Conn. Load:	517477 VA
Total Conn. Current:	622 A
Total Demand Load:	517477 VA
Total Demand Current:	622 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

PANEL: (E)1M2B
LOCATION: ELEC C138

PHASE: 3 VOLTAGE: 480Y/277V FEED TYPE: Bottom 100 A MCB
MOUNT: Surface WIRE: 4 250 A BUS
TYPE: Type 1 POLES: 54 SF MAINS: No 10,000 AIC MIN.

LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC
	1				3390 VA	3050 VA								2	
--	3	VAV 119	25	3			3390 VA	3050 VA			3	20	VAV 113	4	--
	5								3390 VA	3050 VA				6	
D	7	GENERATOR BATTERY CHARGER	20	1	500 VA	2890 VA								8	
D	9	GENERATOR BLOCK HEATER	20	1			1500 VA	2890 VA			3	20	VAV 120	10	--
--	11	SPARE	20	1					0 VA	2890 VA				12	
--	13	SPARE	20	1	0 VA	0 VA					1	20	SPARE	14	--
--	15	SPARE	20	1			0 VA	0 VA			1	20	SPARE	16	--
--	17	SPARE	20	1					0 VA	0 VA	1	20	SPARE	18	--
--	19	SPARE	20	1	0 VA	0 VA					1	20	SPARE	20	--
--	21	SPARE	20	1			0 VA	0 VA			1	20	SPARE	22	--
--	23	SPARE	20	1					0 VA	0 VA	1	20	SPARE	24	--
--	25	SPARE	20	1	0 VA	0 VA					1	20	SPARE	26	--
--	27	SPARE	20	1			0 VA	0 VA			1	20	SPARE	28	--
--	29	SPARE	20	1					0 VA	0 VA	1	20	SPARE	30	--
--	31	SPARE	20	1	0 VA	0 VA					1	20	SPARE	32	--
--	33	SPARE	20	1			0 VA	0 VA			1	20	SPARE	34	--
--	35	SPARE	20	1					0 VA	0 VA	1	20	SPARE	36	--
--	37	SPARE	20	1	0 VA	--					1	--	*SPACE*	38	--
--	39	BREAK 137 INSTA HOT	40	1			1000 VA	--			1	--	*SPACE*	40	--
--	41	SPARE	20	1					0 VA	--	1	--	*SPACE*	42	--
--	43	SPARE	20	1	0 VA	--					1	--	*SPACE*	44	--
--	45	BREAK 137 INSTA HOT	40	1			1000 VA	--			1	--	*SPACE*	46	--
--	47	VAVs 121-136	20	1					3050 VA	--	1	--	*SPACE*	48	--
	49				0 VA	--					1	--	*SPACE*	50	--
--	51	**MAIN**	20	3			0 VA	--			1	--	*SPACE*	52	--
	53								0 VA	--	1	--	*SPACE*	54	--
		Total Connected Load (VA):			9830 VA		12830 VA		12380 VA						
		Total Connected Current (A):			35		48		46						

L (125%) =
R<10,000(100%) = 0 VA
R>10,000 (50%) = 0 VA
RECEPTS TOTAL =
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 0 VA
Motor-OTHER (100%) = 0 VA
MOTOR TOTAL =
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) =
K (65%) =
A (100%) =
D (100%) = 2000 VA
E (80%) =

Panel Totals	
Total Conn. Load:	35040 VA
Total Conn. Current:	42 A
Total Demand Load:	35040 VA
Total Demand Current:	42 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

PANEL: 1M3
LOCATION: UTILITY A1131

PHASE: 3 VOLTAGE: 480Y/277V FEED TYPE: Bottom 400 A MLO
MOUNT: Surface WIRE: 4 400 A BUS
TYPE: Type 1 POLES: 42 SF MAINS: No AIC MIN.

LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC
	1				12166 VA	2733 VA								2	
Motor	3	HP-2	45	3			12166 VA	2733 VA			3	20	VAV 137	4	Motor
	5								12166 VA	2733 VA				6	
	7				1500 VA	3067 VA								8	
Motor	9	VAV-149	20	3			1500 VA	3067 VA			3	20	VAV-150	10	Motor
	11								1500 VA	3067 VA				12	
	13				4067 VA	4067 VA								14	
Motor	15	VAV-151	20	3			4067 VA	4067 VA			3	20	VAV-152	16	Motor
	17								4067 VA	4067 VA				18	
	19				42197 VA	--					1	--	SPACE	20	--
Motor; R; Spare; D; WH	21	1M4 VIA T1M4	200	3			42570 VA	--			1	--	SPACE	22	--
	23								33082 VA	--	1	--	SPACE	24	--
	25				0 VA	--					1	--	SPACE	26	--
--	27	SPARE	20	3			0 VA	--			1	--	SPACE	28	--
	29								0 VA	--	1	--	SPACE	30	--
	31				0 VA	--					1	--	SPACE	32	--
--	33	SPARE	20	3			0 VA	--			1	--	SPACE	34	--
	35								0 VA	--	1	--	SPACE	36	--
	37				0 VA	--					1	--	SPACE	38	--
--	39	SPARE	20	3			0 VA	--			1	--	SPACE	40	--
	41								0 VA	--	1	--	SPACE	42	--
		Total Connected Load (VA):			69796 VA		70170 VA		60682 VA						
		Total Connected Current (A):			257		258		219						

L (125%) = 10000 VA
R<10,000(100%) = 10000 VA
R>10,000 (50%) = 34520 VA
RECEPTS TOTAL = 44520 VA
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 45622 VA
Motor-OTHER (100%) = 62110 VA
MOTOR TOTAL = 107732 VA
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) = 12200 VA
K (65%) =
A (100%) =
D (100%) = 10800 VA
E (80%) =

Panel Totals	
Total Conn. Load:	200647 VA
Total Conn. Current:	241 A
Total Demand Load:	175252 VA
Total Demand Current:	211 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

PANEL: 1M2
LOCATION: ELEC C138

PHASE: 3 VOLTAGE: 480Y/277V FEED TYPE: 800 A MCB
MOUNT: WIRE: 4 800 A BUS
TYPE: POLES: 48 SF MAINS: 65,000 AIC MIN.

LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC
	1				23990 VA	3550 VA								2	
R; Spare; D	3	(E) UPS (to PANEL L-U1 via XFMR U-X1)	200	3			21640 VA	3550 VA			3	25	VAV 114	4	--
	5								21060 VA	3550 VA				6	
	7				3890 VA	**4733 VA**								8	
--	9	VAV 102	20	3			3890 VA	**4733 VA**			**3**	**30**	**VAV 115**	10	**Motor**
	11								3890 VA	**4733 VA**				12	
	13				3550 VA	**69796 VA**								14	Motor; R; Spare; D; WH
--	15	VAV 104	25	3			3550 VA	**70170 VA**			3	400	**PANEL 1M3**	16	
	17								3550 VA	**60682 VA**				18	
	19				**6230 VA**	4720 VA								20	
Motor	**21**	**VAV 105**	**30**	**3**			**6230 VA**	4720 VA			3	30	VAV 110	22	--
	23								**6230 VA**	4720 VA				24	
	25				4050 VA	4720 VA								26	
--	27	VAV 116	25	3			4050 VA	4720 VA			3	30	VAV 111	28	--
	29								4050 VA	4720 VA				30	
	31				3550 VA	4720 VA								32	
--	33	VAV 117	25	3			3550 VA	4720 VA			3	30	VAV 112	34	--
	35								3550 VA	4720 VA				36	
--	37	SPARE	20	1	0 VA	9830 VA								38	
--	39	SPARE	20	1			0 VA	10830 VA			3	100	PANEL 1M2B	40	Spare; D
HVAC; Other; Motor; R;...	41								36986 VA	12235 VA				42	
	43	XFMR 'T1P6'	400	3	36405 VA	9391 VA								44	
	45						34881 VA	5910 VA			3	100	PANEL 1L2	46	Spare; L; Lighting
--	47	*UNUSABLE SPACE*	--	1					--	8882 VA				48	
		Total Connected Load (VA):			193125 VA		187144 VA		183558 VA						
		Total Connected Current (A):			699		678		663						

L (125%) = 28613 VA
R<10,000(100%) = 10000 VA
R>10,000 (50%) = 95245 VA
RECEPTS TOTAL = 105245 VA
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 45622 VA
Motor-OTHER (100%) = 96971 VA
MOTOR TOTAL = 142594 VA
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) = 12200 VA
K (65%) =
A (100%) =
D (100%) = 42240 VA
E (80%) =

Panel Totals	
Total Conn. Load:	563827 VA
Total Conn. Current:	678 A
Total Demand Load:	483429 VA
Total Demand Current:	581 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

PANEL: 1M2B
LOCATION: ELEC C138

PHASE: 3 VOLTAGE: 480Y/277V FEED TYPE: Bottom 100 A MCB
MOUNT: Surface WIRE: 4 250 A BUS
TYPE: Type 1 POLES: 54 SF MAINS: No 10,000 AIC MIN.

LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC
	1				3390 VA	3050 VA								2	
--	3	VAV 119	25	3			3390 VA	3050 VA			3	20	VAV 113	4	--
	5								3390 VA	3050 VA				6	
D	7	GENERATOR BATTERY CHARGER	20	1	**500 VA**	2890 VA								8	
D	9	GENERATOR BLOCK HEATER	20	1			**1500 VA**	2890 VA			3	20	VAV 120	10	--
--	11	SPARE	20	1					**0 VA**	2890 VA				12	
--	13	SPARE	20	1	0 VA	0 VA					1	20	SPARE	14	--
--	15	SPARE	20	1			0 VA	0 VA			1	20	SPARE	16	--
--	17	SPARE	20	1					0 VA	0 VA	1	20	SPARE	18	--
--	19	SPARE	20	1	0 VA	0 VA					1	20	SPARE	20	--
--	21	SPARE	20	1			0 VA	0 VA			1	20	SPARE	22	--
--	23	SPARE	20	1					0 VA	0 VA	1	20	SPARE	24	--
--	25	SPARE	20	1	0 VA	0 VA					1	20	SPARE	26	--
--	27	SPARE	20	1			0 VA	0 VA			1	20	SPARE	28	--
--	29	SPARE	20	1					0 VA	0 VA	1	20	SPARE	30	--
--	31	SPARE	20	1	0 VA	0 VA					1	20	SPARE	32	--
--	33	SPARE	20	1			0 VA	0 VA			1	20	SPARE	34	--
--	35	SPARE	20	1					0 VA	0 VA	1	20	SPARE	36	--
--	37	SPARE	20	1	0 VA	--					1	--	*SPACE*	38	--
--	39	**SPARE**	**40**	**1**			0 VA	--			1	--	*SPACE*	40	--
--	41	SPARE	20	1					0 VA	--	1	--	*SPACE*	42	--
--	43	SPARE	20	1	0 VA	--					1	--	*SPACE*	44	--
--	45	SPARE	40	1			0 VA	--			1	--	*SPACE*	46	--
--	47	**VAVs 121-136, 138-141**	20	1					**2905 VA**	--	1	--	*SPACE*	48	--
	49				0 VA	--					1	--	*SPACE*	50	--
--	51	**MAIN**	100	3			0 VA	--			1	--	*SPACE*	52	--
	53								0 VA	--	1	--	*SPACE*	54	--
		Total Connected Load (VA):			9830 VA		10830 VA		12235 VA						
		Total Connected Current (A):			35		40		45						

L (125%) =
R<10,000(100%) = 0 VA
R>10,000 (50%) = 0 VA
RECEPTS TOTAL =
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 0 VA
Motor-OTHER (100%) = 0 VA
MOTOR TOTAL =
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) =
K (65%) =
A (100%) =
D (100%) = 2000 VA
E (80%) =

Panel Totals	
Total Conn. Load:	32895 VA
Total Conn. Current:	40 A
Total Demand Load:	32895 VA
Total Demand Current:	40 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

PANEL: 1M4
LOCATION: UTILITY A1131

PHASE: 3 VOLTAGE: 208Y/120V FEED TYPE: Bottom 300 A MCB
MOUNT: Surface WIRE: 4 400 A BUS
TYPE: Type 1 POLES: 42 SF MAINS: No AIC MIN.

LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC
Motor	1	AC-1	30	2	2194 VA	6100 VA					2	20	HWT-1	2	WH
	3						2194 VA	6100 VA						4	
Motor	5	AC-2	30	2					2194 VA	500 VA	2	20	CP-1	6	Motor
	7				2194 VA	500 VA								8	
Motor	9	AC-3	20	2			1508 VA	500 VA			1	20	D OPERATIONS | PATROL A1037	10	D
	11								1508 VA	--	1	--	SPACE	12	--
Motor	13	AC-4	20	2	1508 VA	--					1	--	SPACE	14	--
	15						1508 VA	--			1	--	SPACE	16	--
--	17	SPARE	20	2					0 VA	--	1	--	SPACE	18	--
	19				0 VA	--					1	--	SPACE	20	--
--	21	SPARE	20	2			0 VA	--			1	--	SPACE	22	--
	23								0 VA	--	1	--	SPACE	24	--
--	25	SPACE	--	1	--	--					1	--	SPACE	26	--
--	27	SPACE	--	1			--	--			1	--	SPACE	28	--
	29								1500 VA	--	1	--	SPACE	30	--
Spare; D	31	1P10	100	3	1000 VA	--					1	--	SPACE	32	--
	33						1000 VA	--			1	--	SPACE	34	--
--	35	SPACE	--	1					--					36	
	37				25460 VA	3240 VA								38	
R; Spare; D	39	PANEL 1P11	225	3			25080 VA	4680 VA			3	100	PANEL EOC	40	R; Spare; D
	41								23600 VA	3780 VA				42	
		Total Connected Load (VA):			42197 VA		42570 VA		33082 VA						
		Total Connected Current (A):			363		366		276						

L (125%) =
R<10,000(100%) = 10000 VA
R>10,000 (50%) = 34520 VA
RECEPTS TOTAL = 44520 VA
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 15250 VA
Motor-OTHER (100%) = 15810 VA
MOTOR TOTAL = 31060 VA
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) =
K (65%) =
A (100%) =
D (100%) = 10800 VA
E (80%) =

Panel Totals	
Total Conn. Load:	117850 VA
Total Conn. Current:	327 A
Total Demand Load:	86380 VA
Total Demand Current:	240 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

(E) PANEL '1M2'	(E) PANEL '1M2'	PANEL '1M3'
PANEL '1M2'	PANEL '1M2'	PANEL '1M4'

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
PANEL SCHEDULES

SHEET
E6.11

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/515240182-2023-TSC-MEP.rvt 4/7/2025 5:42:59 PM

City of Puyallup
Development & Permitting Services
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PANEL: (E)1L2

PHASE: 3 | VOLTAGE: 480Y/277V | FEED TYPE: Bottom | 100 A MLO
LOCATION: ELEC C138 | MOUNT: Surface | WIRE: 4 | 100 A BUS
TYPE: Type 1 | POLES: 42 | SF MAINS: No | AIC MIN.

LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC
--	1	SPARE	20	1	0 VA	2510 VA					1	20	LIGHTS 134,135,136,136N,141-145,146,147	2	--
--	3	SPARE	20	1			0 VA	2140 VA			1	20	--	4	--
--	5	SPARE	20	1					0 VA	2450 VA	1	20	--	6	--
--	7	SPARE	20	1	0 VA	1820 VA					1	20	LIGHTS 100,103-105,111-114,116-121,123-130,	8	--
--	9	SPARE	20	1			0 VA	4250 VA			1	20	-- 131,132,133,HALLWAY	10	--
--	11	SPARE	20	1					0 VA	1450 VA	1	20	--	12	--
--	13	SPARE	20	1	0 VA	757 VA					1	20	LIGHTS: BREAK 137, IDF 139, UPS 138	14	--
--	15	SPARE	20	1			0 VA	0 VA			1	20	SPARE	16	--
--	17	SPARE	20	1					0 VA	0 VA	1	20	SPARE	18	--
--	19	SPARE	20	1	0 VA	0 VA					1	20	SPARE	20	--
--	21	SPARE	20	1			0 VA	0 VA			1	20	SPARE	22	--
--	23	SPARE	20	1					0 VA	0 VA	1	20	SPARE	24	--
--	25	SPARE	20	1	0 VA	0 VA					1	20	SPARE	26	--
--	27	SPARE	20	1			0 VA	0 VA			1	20	SPARE	28	--
--	29	SPARE	20	1					0 VA	0 VA	1	20	SPARE	30	--
--	31	SPARE	20	1	0 VA	0 VA					1	20	SPARE	32	--
--	33	SPARE	20	1			0 VA	0 VA			1	20	SPARE	34	--
--	35	SPARE	20	1					0 VA	0 VA	1	20	SPARE	36	--
	37				0 VA	0 VA					1	20	SPARE	38	--
--	39	PARKING LOT EAST	15	3			0 VA	0 VA			1	20	SPARE	40	--
	41								0 VA	0 VA	1	20	SPARE	42	--
		Total Connected Load (VA):			5087 VA		6390 VA		3900 VA						
		Total Connected Current (A):			19		24		14						

L (125%) =
R<10,000(100%) = 0 VA
R>10,000 (50%) = 0 VA
RECEPTS TOTAL =
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 0 VA
Motor-OTHER (100%) = 0 VA
MOTOR TOTAL =
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) =
K (65%) =
A (100%) =
D (100%) =
E (80%) =

Panel Totals	
Total Conn. Load:	15377 VA
Total Conn. Current:	18 A
Total Demand Load:	15377 VA
Total Demand Current:	18 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

PANEL: (E)1P6

PHASE: 3 | VOLTAGE: 208Y/120V | FEED TYPE: | 800 A MCB
LOCATION: ELEC C138 | MOUNT: | WIRE: 4 | 800 A BUS
TYPE: | POLES: 48 | SF MAINS: | AIC MIN.

LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC
--	1	SPARE	20	1	0 VA	0 VA					1	20	SPARE	2	--
--	3	SPARE	20	1			0 VA	0 VA			1	20	SPARE	4	--
--	5	SPARE	20	1					0 VA	0 VA	1	20	SPARE	6	--
--	7	SPARE	20	1	0 VA	0 VA								8	
--	9	SPARE	20	1			0 VA	0 VA			3	100	SPARE	10	--
--	11	SPARE	20	1					0 VA	0 VA				12	
--	13	SPARE	20	1	0 VA	11520 VA								14	
--	15	SPARE	20	1			0 VA	11520 VA			3	20	(E) PANEL 1P6B	16	Spare
--	17	SPARE	20	1					0 VA	7680 VA				18	
--	19	SPARE	20	1	0 VA	28640 VA								20	
--	21	SPARE	20	1			0 VA	27800 VA			3	20	(E) PANEL 1P7	22	Spare
--	23	SPARE	20	1					0 VA	26400 VA				24	
--	25	SPARE	20	1	0 VA	29780 VA								26	
--	27	SPARE	20	1			0 VA	28440 VA			3	20	(E) PANEL 1P9	28	Spare
--	29	SPARE	20	1					0 VA	25000 VA				30	
--	31	SPARE	20	1	0 VA	--								32	
--	33	SPARE	20	1			0 VA	--			3	--	SPD	34	--
--	35	SPARE	20	1					0 VA	--				36	
--	37	SPARE	20	1	0 VA	--					1	--	*UNUSABLE SPACE*	38	--
--	39	SPARE	20	1			0 VA	--			1	--	*UNUSABLE SPACE*	40	--
	41								--	--	1	--	*UNUSABLE SPACE*	42	--
--	43	METER	--	3	--	--					1	--	*UNUSABLE SPACE*	44	--
	45						--	--			1	--	*UNUSABLE SPACE*	46	--
--	47	*UNUSABLE SPACE*							--	--	1	--	*UNUSABLE SPACE*	48	--
		Total Connected Load (VA):			69940 VA		67760 VA		59080 VA						
		Total Connected Current (A):			594		576		492						

L (125%) =
R<10,000(100%) = 0 VA
R>10,000 (50%) = 0 VA
RECEPTS TOTAL =
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 0 VA
Motor-OTHER (100%) = 0 VA
MOTOR TOTAL =
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) =
K (65%) =
A (100%) =
D (100%) =
E (80%) =

Panel Totals	
Total Conn. Load:	196780 VA
Total Conn. Current:	546 A
Total Demand Load:	196780 VA
Total Demand Current:	546 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

PANEL: (E)1P6B

PHASE: 3 | VOLTAGE: 208Y/120V | FEED TYPE: Bottom | 100 A MCB
LOCATION: ELEC C138 | MOUNT: Surface | WIRE: 4 | 225 A BUS
TYPE: Type 1 | POLES: 42 | SF MAINS: No | AIC MIN.

LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC
	1				1920 VA	1920 VA					2	20	SE ELECTRICAL ROOM SPLIT UNIT	2	
--	3	RECEP FITNESS 134	20	3			1920 VA	1920 VA						4	--
	5								1920 VA	0 VA	1	20	SPARE	6	--
	7	RECEP			1920 VA	1920 VA					2	20	MDF 149 SPLIT UNIT	8	
--	9	TEAM MEETING 135, FITNESS 134,	20	3			1920 VA	1920 VA						10	--
	11	OPEN OFFICE 133							1920 VA	1920 VA	2	20	IDF 139 SPLIT UNIT	12	
--	13	RECEP ROOFTOP GFI	20	1	1920 VA	1920 VA								14	--
--	15	RECEP ROOFTOP GFI	20	1			1920 VA	1920 VA			2	20	UPS 138 SPLIT UNIT	16	
--	17	SPARE	20	1					0 VA	1920 VA				18	--
--	19	SPARE	20	1	0 VA	0 VA					1	20	SPARE	20	--
--	21	SPARE	20	1			0 VA	0 VA			1	20	SPARE	22	--
--	23	SPARE	20	1					0 VA	0 VA	1	20	SPARE	24	--
--	25	SPARE	20	1	0 VA	0 VA					1	20	SPARE	26	--
--	27	SPARE	20	1			0 VA	0 VA			1	20	SPARE	28	--
--	29	SPARE	20	1					0 VA	0 VA	1	20	SPARE	30	--
--	31	SPARE	20	1	0 VA	0 VA					1	20	SPARE	32	--
--	33	SPARE	20	1			0 VA	0 VA			1	20	SPARE	34	--
--	35	SPARE	20	1					0 VA	0 VA	1	20	SPARE	36	--
--	37	SPARE	20	1	0 VA	0 VA					1	20	SPARE	38	--
--	39	SPARE	20	1			0 VA	0 VA			1	20	SPARE	40	--
--	41	SPARE	20	1					0 VA	0 VA	1	20	SPARE	42	--
		Total Connected Load (VA):			11520 VA		11520 VA		7680 VA						
		Total Connected Current (A):			101		101		64						

L (125%) =
R<10,000(100%) = 0 VA
R>10,000 (50%) = 0 VA
RECEPTS TOTAL =
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 0 VA
Motor-OTHER (100%) = 0 VA
MOTOR TOTAL =
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) =
K (65%) =
A (100%) =
D (100%) =
E (80%) =

Panel Totals	
Total Conn. Load:	30720 VA
Total Conn. Current:	85 A
Total Demand Load:	30720 VA
Total Demand Current:	85 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

PANEL: 1L2

PHASE: 3 | VOLTAGE: 480Y/277V | FEED TYPE: Bottom | 100 A MLO
LOCATION: ELEC C138 | MOUNT: Surface | WIRE: 4 | 100 A BUS
TYPE: Type 1 | POLES: 42 | SF MAINS: No | 65,000 AIC MIN.

LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC
L; Lighting	1	Room A1046, A1045, A1044, A1043, A1042,...	20	1	2841 VA	19 VA					1	20	SITE POLE - PATIO LIGHT	2	L
L	3	L Room A1036, A1012, A1060, A1058, A1035,...	20	1			1161 VA	444 VA			1	20	PARKING CANOPY LIGHTING	4	L
L; Lighting	5	Room A1085, A1087, A1076, A1092, A1090,...	20	1					3743 VA	492 VA	1	20	SITE POLE PARKING LOT LIGHTING	6	L
L	7	L Room A1110, A1111, A1128, A1103, A1102,...	20	1	2710 VA	45 VA					1	20	LANDSCAPE LIGHTING	8	L
L; Lighting	9	Room A1129, A1062, A1019, A1037	20	1			610 VA	18 VA			1	20	COLUMN UPLIGHTS	10	L
L	11	L Room A1022, A1008, B1003, A1029, A1028,...	20	1					3604 VA	117 VA	1	20	MEMORIAL / SIGN LIGHTING	12	L
L; Lighting	13	Room A1016, A1073, A1063, A1002, A1003,...	20	1	2924 VA	200 VA					1	20	LIGHTS: UPS C137	14	--
L	15	L Room A1119, A1121, A1120, A1118, A1117,...	20	1			3092 VA	117 VA			1	20	SITE WALL LIGHTING	16	L
L	17	L MARSHAL WILLIAM JEFFERY COMMUNITY...	20	1					893 VA	33 VA	1	20	FLAG POLE LIGHTING	18	L
L; Lighting	19	Lighting LOBBY A1001	20	1	638 VA	14 VA					1	20	BACKLIT BADGE	20	L
	21							--			1	--	SPACE	22	--
	23									--	1	--	SPACE	24	--
	25					--					1	--	SPACE	26	--
	27							--			1	--	SPACE	28	--
	29									--	1	--	SPACE	30	--
	31					--					1	--	SPACE	32	--
	33							--			1	--	SPACE	34	--
	35									--	1	--	SPACE	36	--
	37				0 VA	--					1	--	SPACE	38	--
--	39	PARKING LOT EAST	15	3			0 VA	--			1	--	SPACE	40	--
	41								0 VA	--	1	--	SPACE	42	--
		Total Connected Load (VA):			9391 VA		5441 VA		8882 VA						
		Total Connected Current (A):			36		20		34						

L (125%) = 28102 VA
R<10,000(100%) = 0 VA
R>10,000 (50%) = 0 VA
RECEPTS TOTAL =
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 0 VA
Motor-OTHER (100%) = 0 VA
MOTOR TOTAL =
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) =
K (65%) =
A (100%) =
D (100%) =
E (80%) =

Panel Totals	
Total Conn. Load:	23714 VA
Total Conn. Current:	29 A
Total Demand Load:	29334 VA
Total Demand Current:	35 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

PANEL: 1P6

PHASE: 3 | VOLTAGE: 208Y/120V | FEED TYPE: | 800 A MCB
LOCATION: ELEC C138 | MOUNT: | WIRE: 4 | 800 A BUS
TYPE: | POLES: 48 | SF MAINS: | AIC MIN.

LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC
R	1	**R CAPTAIN A1046**	20	1	1080 VA	1080 VA					1	20	**R Room A1045, A1044**	2	R
R	3	**R Room A1043, A1037**	20	1			1080 VA	1260 VA			1	20	**R Room A1042, A1043**	4	R; D
R	5	**R Room A1041**	20	1					900 VA	1080 VA	1	20	**R MEDICAL SUPPLIES A1039**	6	R
R	7	**R BRIEFING A1038**	20	1	720 VA	0 VA								8	
R	9	**R BRIEFING A1038**	20	1			1440 VA	0 VA			3	100	SPARE	10	--
R	11	**R Room A1034, A1033, A1038**	20	1					1080 VA	0 VA				12	
R	13	**R Room A1034, A1129**	20	1	540 VA	11700 VA								14	
R	15	**R Room A1048, A1047**	20	1			1080 VA	14120 VA			3	100	PANEL 1P6B	16	R; Spare; D
R	17	**R Room A1124, A1123**	20	1					720 VA	10700 VA				18	
R	19	**R TECHNICIAN A1124**	20	1	1260 VA	17366 VA								20	HVAC;
R	21	**PRINTER EVIDENCE MAIN STORAGE A1121**	20	1			180 VA	15085 VA			3	225	PANEL 1P7	22	Motor; R;
R	23	**R Room A1121**	20	1					540 VA	17021 VA				24	Spare; D
R	25	**R Room A1048, A1047, A1123**	20	1	1080 VA	0 VA								26	
R; D	27	**R ADMIN SECRETARY A1049**	20	1			540 VA	0 VA			3	225	PANEL 1P9	28	Other
R	29	**Room A1040, A1037**	20	1					1080 VA	0 VA				30	
R	31	**R Room A1050, A1040**	20	1	720 VA	--								32	
R	33	**R Room A1051, A1050**	20	1			1080 VA	--			3	--	SPD	34	--
R	35	**R Room A1052, A1051**	20	1					720 VA	--				36	
R	37	**R Room A1052, A1053**	20	1	1440 VA	--					1	--	*UNUSABLE SPACE*	38	--
	39							--			1	--	*UNUSABLE SPACE*	40	--
	41								--	--	1	--	*UNUSABLE SPACE*	42	--
--	43	METER	--	3	--	--					1	--	*UNUSABLE SPACE*	44	--
	45						--	--			1	--	*UNUSABLE SPACE*	46	--
--	47	*UNUSABLE SPACE*	--	1					--	--	1	--	*UNUSABLE SPACE*	48	--
		Total Connected Load (VA):			36986 VA		35865 VA		33841 VA						
		Total Connected Current (A):			311		301		282						

L (125%) =
R<10,000(100%) = 10000 VA
R>10,000 (50%) = 32820 VA
RECEPTS TOTAL = 42820 VA
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 3513 VA
Motor-OTHER (100%) = 1972 VA
MOTOR TOTAL = 5485 VA
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) =
K (65%) =
A (100%) =
D (100%) = 6980 VA
E (80%) =

Panel Totals	
Total Conn. Load:	106692 VA
Total Conn. Current:	296 A
Total Demand Load:	74574 VA
Total Demand Current:	207 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

PANEL: 1P6B

PHASE: 3 | VOLTAGE: 208Y/120V | FEED TYPE: Bottom | 100 A MCB
LOCATION: ELEC C138 | MOUNT: Surface | WIRE: 4 | 225 A BUS
TYPE: Type 1 | POLES: 42 | SF MAINS: No | AIC MIN.

NOTES	LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC	NOTES
		1				0 VA	1920 VA					2	20	SE ELECTRICAL ROOM SPLIT UNIT	2		
	--	3	**SPARE**	20	3			0 VA	1920 VA						4	--	
		5								0 VA	0 VA	1	20	SPARE	6	--	
		7				0 VA	1920 VA					2	20	MDF 149 SPLIT UNIT	8		
	--	9	**SPARE**	20	3			0 VA	1920 VA						10	--	
		11								0 VA	1920 VA	2	20	IDF 139 SPLIT UNIT	12		
	--	13	RECEP ROOFTOP GFI	20	1	1920 VA	1920 VA								14	--	
	--	15	RECEP ROOFTOP GFI	20	1			1920 VA	1920 VA			2	20	UPS 138 SPLIT UNIT	16		
	R	17	**R OPERATIONS | PATROL A1037**	20	1					720 VA	1920 VA				18	--	
	D	19	**D OPERATIONS | PATROL A1037**	20	1	180 VA	180 VA					1	20	**D OPERATIONS | PATROL A1037**	20	D	
	R	21	**R OPERATIONS | PATROL A1037**	20	1			720 VA	180 VA			1	20	**D OPERATIONS | PATROL A1037**	22	D	
	D	23	**D OPERATIONS | PATROL A1037**	20	1					180 VA	720 VA	1	20	**R OPERATIONS | PATROL A1037**	24	R	
	D	25	**D OPERATIONS | PATROL A1037**	20	1	180 VA	180 VA					1	20	**D OPERATIONS | PATROL A1037**	26	D	
	D	27	**D OPERATIONS | PATROL A1037**	20	1			2200 VA	900 VA			1	20	**R Room A1122**	28	R	
1	R	29	**RM A1121 - REFRIGERATOR**	20	1					1000 VA	900 VA	1	20	**R EVIDENCE MAIN STORAGE A1121**	30	R	
1	R	31	**RM A1121 - REFRIGERATOR**	20	1	1000 VA	1080 VA					1	20	**R Room A1125, A1121, A1114, A1127**	32	R	
1	R	33	**RM A1121 - REFRIGERATOR**	20	1			1000 VA	1080 VA			1	20	**R EVIDENCE LABORATORY A1117**	34	R	
1	R	35	**RM A1121 - REFRIGERATOR**	20	1					1000 VA	1080 VA	1	20	**R EVIDENCE LABORATORY A1117**	36	R	
	R	37	**R PROPERTY | EVIDENCE INTAKE A1116**	20	1	720 VA	500 VA					1	20	**D PROPERTY | EVIDENCE INTAKE A1116**	38	D	
	R	39	**R PROPERTY | EVIDENCE INTAKE A1116**	20	1					180 VA	180 VA	1	20	**R PROPERTY | EVIDENCE INTAKE A1116**	40	R	
	--	41	**SPARE**	20	1										42	R	
			Total Connected Load (VA):			11700 VA		14120 VA		10700 VA							
			Total Connected Current (A):			99		119		89							

L (125%) =
R<10,000(100%) = 10000 VA
R>10,000 (50%) = 1770 VA
RECEPTS TOTAL = 11770 VA
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 0 VA
Motor-OTHER (100%) = 0 VA
MOTOR TOTAL =
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) =
K (65%) =
A (100%) =
D (100%) = 3780 VA
E (80%) =

Panel Totals	
Total Conn. Load:	36520 VA
Total Conn. Current:	101 A
Total Demand Load:	34750 VA
Total Demand Current:	96 A

LOAD CLASSIFICATION L = LIGHTING, R = RECEPTACLES, M = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

NOTES

1. PROVIDE GFCI BREAKER.

(E) PANEL '1L2'	(E) PANEL '1P6'	(E) PANEL '1P6B'
PANEL '1L2'	PANEL '1P6'	PANEL '1P6B'

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
PANEL SCHEDULES

SHEET
E6.12

JOB NO. **2170269.07**

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Development & Permitting Services
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PANEL: (E)1P7 PHASE: 3 VOLTAGE: 208Y/120V FEED TYPE: Bottom 225 A MLO
LOCATION: ELEC C138 MOUNT: Surface WIRE: 4 225 A BUS
TYPE: Type 1 POLES: 42 SF MAINS: No AIC MIN.

LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC
--	1	FC22	20	1	1080 VA	1080 VA					1	20	FC21	2	--
--	3	--	20	1			900 VA	900 VA			1	20	--	4	--
--	5	FC23	20	1					1080 VA	1080 VA	1	20	FC24	6	--
--	7	--	20	1	900 VA	900 VA					1	20	--	8	--
--	9	RECEP BREAK 137 REFER	20	1			1500 VA	1000 VA						10	
--	11	RECEP BREAK 137 REFER	20	1					1500 VA	1000 VA	3	20	RECEP BREAK 137 MICRO	12	--
--	13	RECEP BREAK 137 REFER	20	1	1500 VA	1000 VA								14	
--	15	RECEP BREAK 137 COFFEE	20	1			1500 VA	1000 VA						16	
--	17	RECEP BREAK 137 COFFEE	20	1					1500 VA	1000 VA	3	20	RECEP BREAK 137 MICRO	18	--
--	19	RECEP BREAK 137 COUNTER	20	1	540 VA	1000 VA								20	
--	21	RECEP BREAK 137 DISPOSAL	20	1			180 VA	720 VA			1	20	RECEP BREAK 137	22	--
--	23	RECEP BREAK 137 COFFEE	20	1					1000 VA	360 VA	1	20	RECEP IDF 139	24	--
--	25	RECEP BREAK 137 COUNTER	20	1	540 VA	360 VA					1	20	RECEP IDF 139	26	--
--	27	RECEP BREAK 137 VENDING	20	1			1500 VA	360 VA			1	20	RECEP IDF 139	28	--
--	29	RECEP BREAK 137 VENDING	20	1					0 VA	1860 VA	1	20	RECEP IDF 139	30	--
--	31	RECEP BREAK 137 VENDING	20	1	1500 VA	1500 VA					1	20	RECEP BREAK VENDING	32	--
--	33	FC37	20	1			1080 VA	1080 VA			1	20	FC38	34	--
--	35	--	20	1					900 VA	900 VA	1	20	--	36	--
--	37	FC39	20	1	900 VA	1800 VA					1	20	FC39	38	--
--	39	--	20	1			900 VA	1500 VA			1	20	RECEP IDF 137	40	--
--	41	RECEP BREAK 137 UNDER SINK	20	1					180 VA	0 VA	1	20	EAST PARKING LOT CONTACTOR	42	--
		Total Connected Load (VA):			28640 VA		27800 VA		26400 VA						
		Total Connected Current (A):			240		233		220						

L (125%) = | H (100%) = | WH (100%) =
R<10,000(100%) = 0 VA | Motor-LARGE (125%) = 0 VA | K (65%) =
R>10,000 (50%) = 0 VA | Motor-OTHER (100%) = 0 VA | A (100%) =
RECEPTS TOTAL = | MOTOR TOTAL = | D (100%) =
AW (ESTIMATED DEMAND) = | RW (ESTIMATED DEMAND) = | E (80%) =
AW (DEMAND FACTOR) = | RW (DEMAND FACTOR) =

Panel Totals	
Total Conn. Load:	82840 VA
Total Conn. Current:	230 A
Total Demand Load:	82840 VA
Total Demand Current:	230 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

PANEL: (E)1P8 PHASE: 3 VOLTAGE: 208Y/120V FEED TYPE: Bottom 225 A MLO
LOCATION: ELEC C138 MOUNT: Surface WIRE: 4 225 A BUS
TYPE: Type 1 POLES: 42 SF MAINS: No AIC MIN.

LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC
--	1	FC1	20	1	1080 VA	1080 VA					1	20	FC2	2	--
--	3	--	20	1			900 VA	900 VA			1	20	--	4	--
--	5	FC3	20	1					1080 VA	1080 VA	1	20	FC4	6	--
--	7	--	20	1	900 VA	900 VA					1	20	--	8	--
--	9	FC5	20	1			1080 VA	1080 VA			1	20	FC6	10	--
--	11	--	20	1					900 VA	900 VA	1	20	--	12	--
--	13	FC7	20	1	1080 VA	1080 VA					1	20	FC8	14	--
--	15	--	20	1			900 VA	900 VA			1	20	--	16	--
--	17	FC9	20	1					1080 VA	1080 VA	1	20	FC10	18	--
--	19	--	20	1	900 VA	900 VA					1	20	--	20	--
--	21	FC11	20	1			1080 VA	1080 VA			1	20	FC12	22	--
--	23	--	20	1					900 VA	900 VA	1	20	--	24	--
--	25	FC13	20	1	1080 VA	1080 VA					1	20	FC14	26	--
--	27	--	20	1			900 VA	900 VA			1	20	--	28	--
--	29	FC16	20	1					1080 VA	1080 VA	1	20	FC15	30	--
--	31	--	20	1	900 VA	900 VA					1	20	--	32	--
--	33	FC17	20	1			1080 VA	1080 VA			1	20	FC18	34	--
--	35	--	20	1					900 VA	900 VA	1	20	--	36	--
--	37	FC19	20	1	1080 VA	1080 VA					1	20	FC20	38	--
--	39	--	20	1			900 VA	900 VA			1	20	--	40	--
--	41	RECEP BREAK 137	20	1					1260 VA	900 VA	1	20	RECEP BREAK 137	42	--
		Total Connected Load (VA):			14040 VA		13680 VA		14040 VA						
		Total Connected Current (A):			117		114		117						

L (125%) = | H (100%) = | WH (100%) =
R<10,000(100%) = 0 VA | Motor-LARGE (125%) = 0 VA | K (65%) =
R>10,000 (50%) = 0 VA | Motor-OTHER (100%) = 0 VA | A (100%) =
RECEPTS TOTAL = | MOTOR TOTAL = | D (100%) =
AW (ESTIMATED DEMAND) = | RW (ESTIMATED DEMAND) = | E (80%) =
AW (DEMAND FACTOR) = | RW (DEMAND FACTOR) =

Panel Totals	
Total Conn. Load:	41760 VA
Total Conn. Current:	116 A
Total Demand Load:	41760 VA
Total Demand Current:	116 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

PANEL: (E)1P9 PHASE: 3 VOLTAGE: 208Y/120V FEED TYPE: Bottom 225 A MCB
LOCATION: SECURE CORRIDOR... MOUNT: Surface WIRE: 4 225 A BUS
TYPE: Type 1 POLES: 42 SF MAINS: No AIC MIN.

NOTES	LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC	NOTES
		1				1800 VA	1080 VA					1	20	FC35	2	--	
1	--	3	EXISTING LOAD	20	3			1800 VA	900 VA			1	20	--	4	--	
		5								1800 VA	1080 VA	1	20	FC34	6	--	
		7				1800 VA	900 VA					1	20	--	8	--	
1	--	9	EXISTING LOAD	20	3			1800 VA	1080 VA			1	20	FC30	10	--	
		11								1800 VA	900 VA	1	20	--	12	--	
	--	13	RECEP OFFICE 124, 126	20	1	1260 VA	1080 VA					1	20	FC27	14	--	
	--	15	RECEP OFFICE 124 / WLLNSS 128	20	1			1080 VA	900 VA			1	20	--	16	--	
	--	17	RECEP OFFICE 130	20	1					1080 VA	1080 VA	1	20	FC25	18	--	
	--	19	RECEP OFFICE 131	20	1	360 VA	900 VA					1	20	--	20	--	
	--	21	RECEP OFFICE 150	20	1			900 VA	1080 VA			1	20	FC26	22	--	
	--	23	RECEP CONFERENCE 153	20	1					1440 VA	900 VA	1	20	--	24	--	
	--	25	OFFICE 151	20	1	720 VA	1080 VA					1	20	FC32	26	--	
	--	27	RECEP CONFERENCE 154	20	1			720 VA	900 VA			1	20	--	28	--	
	--	29	RECEP TRAINING 103	20	1					1440 VA	900 VA	1	20	RECEP STORAGE 111/ OFFICE 112	30	--	
	--	31	RECEP TRAINING 103	20	1	900 VA	1080 VA					1	20	RECEP OFFICE 113/ HUDDLE 114	32	--	
	--	33	RECEP TRAINING 103	20	1			720 VA	1080 VA			1	20	FC33	34	--	
	--	35	RECEP TRAINING 103	20	1					1260 VA	900 VA	1	20	--	36	--	
	--	37	RECEP TRAINING 107	20	1	1440 VA	1440 VA					1	20	RECEP TRAINING 104	38	--	
	--	39	RECEP CONFERENCE 156	20	1			900 VA	1440 VA			1	20	RECEP TRAINING 104	40	--	
	--	41	SPARE FOR TRAINING 107	20	1					0 VA	0 VA	1	20	SPARE FOR RECEP TRAINING 104	42	--	
			Total Connected Load (VA):			29780 VA		28440 VA		25000 VA							
			Total Connected Current (A):			253		241		208							

L (125%) = | H (100%) = | WH (100%) =
R<10,000(100%) = 0 VA | Motor-LARGE (125%) = 0 VA | K (65%) =
R>10,000 (50%) = 0 VA | Motor-OTHER (100%) = 0 VA | A (100%) =
RECEPTS TOTAL = | MOTOR TOTAL = | D (100%) =
AW (ESTIMATED DEMAND) = | RW (ESTIMATED DEMAND) = | E (80%) =
AW (DEMAND FACTOR) = | RW (DEMAND FACTOR) =

Panel Totals	
Total Conn. Load:	83220 VA
Total Conn. Current:	231 A
Total Demand Load:	83220 VA
Total Demand Current:	231 A

LOAD CLASSIFICATION L = LIGHTING, R = RECEPTACLES, M = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

NOTES
1. THIS PANEL IS BEING RELOCATED; TRACE, INTERCEPT AND EXTEND EXISTING CIRCUIT TO PANEL INDICATED ON POWER PLAN.
-
THE FOLLOWING PANEL IS BEING RELOCATED AND RENAMED.

PANEL: 1P7 PHASE: 3 VOLTAGE: 208Y/120V FEED TYPE: Bottom 225 A MLO
LOCATION: ELEC C138 MOUNT: Surface WIRE: 4 225 A BUS
TYPE: Type 1 POLES: 42 SF MAINS: No AIC MIN.

NOTES	LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC	NOTES
	R	1	R MEN'S LOCKERS A1097	20	1	1260 VA	180 VA					1	20	SECURE COR A1062 - WATER FOUNTAIN	2	R	1
	R	3	R MEN'S LOCKERS A1097	20	1			1080 VA	540 VA			1	20	R Room A1096, A1094, A1062, A1093	4	R	
	R	5	R MEN'S LOCKERS A1097	20	1					1080 VA	360 VA	1	20	ROOFTOP RECEPTACLE GFCI	6	R	1
	R	7	R MEN'S LOCKERS A1097	20	1	1080 VA	180 VA					1	20	ROOFTOP RECEPTACLE GFCI	8	R	1
	R	9	R MEN'S LOCKERS A1097	20	1			1080 VA	0 VA						10		
	R	11	R MEN'S LOCKERS A1097	20	1					1080 VA	0 VA	3	20	SPARE	12	--	
	R	13	R MEN'S LOCKERS A1097	20	1	1260 VA	0 VA								14		
	R	15	R MEN'S LOCKERS A1097	20	1			1080 VA	0 VA						16		
	R	17	R MEN'S LOCKERS A1097	20	1					1260 VA	0 VA	3	20	SPARE	18	--	
	R	19	R MEN'S LOCKERS A1097	20	1	1440 VA	0 VA								20		
	R	21	R MEN'S LOCKERS A1097	20	1			1440 VA	0 VA			1	20	SPARE	22	--	
	R	23	R MEN'S LOCKERS A1097	20	1					1260 VA	1260 VA	1	20	R WOMEN'S LOCKERS A1095	24	R	
	R	25	R MEN'S LOCKERS A1097	20	1	1080 VA	1260 VA					1	20	R WOMEN'S LOCKERS A1095	26	R	
	R	27	R MEN'S LOCKERS A1097	20	1			1080 VA	1260 VA			1	20	R WOMEN'S LOCKERS A1095	28	R	
	R	29	R MEN'S LOCKERS A1097	20	1					1080 VA	1260 VA	1	20	R WOMEN'S LOCKERS A1095	30	R	
	R	31	R MEN'S LOCKERS A1097	20	1	1260 VA	180 VA					1	20	R WOMEN'S LOCKERS A1095	32	R	
	R	33	R MEN'S LOCKERS A1097	20	1			360 VA	540 VA			1	20	R OFFICER BIKE STORAGE A1133	34	R	
	R	35	R MEN'S LOCKERS A1097	20	1					1260 VA	540 VA	1	20	R OFFICER BIKE STORAGE A1133	36	R	
	D	37	DRONE LAUNCH PAD	20	1	500 VA	0 VA					1	20	SPARE	38	--	
	--	39	SPARE	20	1			0 VA	0 VA			1	20	SPARE	40	--	
	--	41	SPARE	20	1					0 VA	0 VA	1	20	EAST PARKING LOT CONTACTOR	42	--	
			Total Connected Load (VA):			17366 VA		15625 VA		17561 VA							
			Total Connected Current (A):			147		130		149							

A ADD 001

L (125%) = | H (100%) = | WH (100%) =
R<10,000(100%) = 10000 VA | Motor-LARGE (125%) = 3513 VA | K (65%) =
R>10,000 (50%) = 16420 VA | Motor-OTHER (100%) = 1972 VA | A (100%) =
RECEPTS TOTAL = 26420 VA | MOTOR TOTAL = 5485 VA | D (100%) = 2840 VA
AW (ESTIMATED DEMAND) = | RW (ESTIMATED DEMAND) = | E (80%) =
AW (DEMAND FACTOR) = | RW (DEMAND FACTOR) =

Panel Totals	
Total Conn. Load:	50552 VA
Total Conn. Current:	140 A
Total Demand Load:	34834 VA
Total Demand Current:	97 A

LOAD CLASSIFICATION L = LIGHTING, R = RECEPTACLES, M = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

NOTES
1 PROVIDE GFCI BREAKER.

PANEL: 1P8 PHASE: 3 VOLTAGE: 208Y/120V FEED TYPE: Bottom 225 A MLO
LOCATION: ELEC C138 MOUNT: Surface WIRE: 4 225 A BUS
TYPE: Type 1 POLES: 42 SF MAINS: No AIC MIN.

NOTES	LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC	NOTES
	D	1	D DT | FITNESS A1114	20	1	180 VA	180 VA					1	20	D DT | FITNESS A1114	2	D	
	D	3	D DT | FITNESS A1114	20	1			180 VA	180 VA			1	20	D DT | FITNESS A1114	4	D	
	D	5	D DT | FITNESS A1114	20	1					180 VA	1080 VA	1	20	Room A1127, A1114	6	R; D	
	R; D	7	R ROOM A1114, A1127	20	1	1080 VA	540 VA					1	20	R Room A1113	8	R	
	R	9	R DT | FITNESS A1114	20	1			540 VA	1080 VA			1	20	R DT | FITNESS A1114	10	R	
	R	11	R Room A1114, A1100, A1115	20	1					720 VA	900 VA	1	20	R Room A1101, A1128, A1114, A1102	12	R	
1	D	13	A1102 (CORRIDOR) - WATER FOUNTAIN	20	1	180 VA	1440 VA					1	20	R WEAPON'S MAINTENANCE A1112	14	R	
	R	15	R Room A1110	20	1			900 VA	1800 VA			1	20	R Room A1107, A1098, A1111	16	R	
	D	17	R EXTERIOR RECEPTACLE	20	1					180 VA	900 VA	1	20	R TRAFFIC DRYING ROOM A1111	18	R	
	R	19	R BREAK ROOM A1099	20	1	900 VA	1080 VA					1	20	Room A1099	20	R; D	
	D	21	R BREAK ROOM A1099 - FIREPLACE	20	1			180 VA	180 VA			1	20	R BREAK ROOM A1099	22	R	1
1	R	23	R BREAK ROOM A1099	20	1					180 VA	180 VA	1	20	R BREAK ROOM A1099	24	R	1
1	R	25	R BREAK ROOM A1099	20	1	180 VA	180 VA					1	20	R BREAK ROOM A1099	26	R	1
1	R	27	R BREAK ROOM A1099	20	1			180 VA	360 VA			1	20	R BREAK ROOM A1099	28	R	1
1	R	29	R BREAK ROOM A1099	20	1					360 VA	180 VA	1	20	D BREAK ROOM A1099	30	D	1
	R	31	R BREAK ROOM A1099	20	1	720 VA	90 VA					1	20	CF-1 (CEILING FANS) - DT / FITNESS	32	HVAC	
	--	33	SPARE	20	1			0 VA	937 VA						34		
	--	35	SPARE	20	1					0 VA	937 VA	3	20	EF-3	36	HVAC	
	--	37	SPARE	20	1	0 VA	937 VA								38		
	Motor	39	DH-1 & DH-2	20	1			648 VA	0 VA			1	20	SPARE	40	--	
	Motor	41	DH-3	20	1					324 VA	1000 VA	1	20	EWH-1	42	Motor	
			Total Connected Load (VA):			7686 VA		7165 VA		7121 VA							
			Total Connected Current (A):			64		60		59							

L (125%) = | H (100%) = | WH (100%) =
R<10,000(100%) = 10000 VA | Motor-LARGE (125%) = 3513 VA | K (65%) =
R>10,000 (50%) = 2380 VA | Motor-OTHER (100%) = 1972 VA | A (100%) =
RECEPTS TOTAL = 12380 VA | MOTOR TOTAL = 5485 VA | D (100%) = 2340 VA
AW (ESTIMATED DEMAND) = | RW (ESTIMATED DEMAND) = | E (80%) =
AW (DEMAND FACTOR) = | RW (DEMAND FACTOR) =

Panel Totals	
Total Conn. Load:	21972 VA
Total Conn. Current:	61 A
Total Demand Load:	20294 VA
Total Demand Current:	56 A

LOAD CLASSIFICATION L = LIGHTING, R = RECEPTACLES, M = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

NOTES
1. PROVIDE GFCI BREAKER.

PANEL: 1P9 PHASE: 3 VOLTAGE: 208Y/120V FEED TYPE: Bottom 225 A MCB
LOCATION: UTILITY A1131 MOUNT: Surface WIRE: 4 225 A BUS
TYPE: Type 1 POLES: 84 SF MAINS: No AIC MIN.

NOTES	LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC	NOTES
	R	1	R UTILITY A1131	20	1	360 VA	540 VA					1	20	R Room A1023, A1022	2	R	
	R	3	R QUARTERMASTER STORAGE A1029	20	1			1080 VA	1260 VA			1	20	R Room A1023	4	R	
	R	5	R Room A1023	20	1					720 VA	720 VA	1	20	R Room A1028, A1027	6	R	
	R	7	R Room A1025, A1026	20	1	900 VA	1080 VA					1	20	R Room A1024, A1025	8	R	
	R	9	R Room A1007	20	1			1080 VA	540 VA			1	20	Room A1007	10	R; D	
	R	11	R OFFICER HARRY STOREM TRAINING...	20	1					1080 VA	1080 VA	1	20	R TRAINING ROOM A1007	12	R	
	R; D	13	Room A1009, A1007	20	1	1260 VA	900 VA					1	20	Room A1004, A1007	14	R; D	
	R; D	15	Room A1004, A1007	20	1			900 VA	1080 VA			1	20	COMMUNITY ROOM A1004	16	R; D	
	R; D	17	COMMUNITY ROOM A1004	20	1					540 VA	900 VA	1	20	COMMUNITY ROOM A1004	18	R; D	
	R; D	19	Room A1008, A1004	20	1	900 VA	1080 VA					1	20	R MARSHAL WILLIAM JEFFERY...	20	R	
	R	21	R COMMUNITY ROOM A1004	20	1			1080 VA	1080 VA			1	20	R MARSHAL WILLIAM JEFFERY...	22	R	
	R	23	R MARSHAL WILLIAM JEFFERY...	20	1					1080 VA	1580 VA	1	20	R COFFEE | PREP A1008	24	R	
1	D	25	RM A1008 - REFRIGERATOR	20	1	800 VA	1080 VA					1	20	R WOMEN'S A1002	26	R	
1	R	27	RM A1008 - COFFEE MAKER	20	1			500 VA	1080 VA			1	20	R MEN'S A1003	28	R	
1	D	29	RM A1008 - MICROWAVE	20	1					1000 VA	900 VA	1	20	R Room A1002, A1000, A1001	30	R	
	R	31	R FINGER PRINTING A1011	20	1	540 VA	180 VA					1	20	RM A1011 - PRINTER	32	R	
	R	33	RM A1010 - PRINTER	20	1			360 VA	1260 VA			1	20	R RECORDS A1010	34	R; D	
	R; D	35	RECORDS A1010	20	1					1260 VA	1260 VA	1	20	R RECORDS A1010	36	R; D	
	R; D	37	R Room A1020, A1021	20	1	900 VA	900 VA					1	20	R CHAPLAIN A1036	38	R	
	R	39	R EXPLORERS A1054	20	1			1080 VA	1260 VA			1	20	R EXPLORERS A1054	40	R; D	
	R	41	R EXPLORERS A1054	20	1					1080 VA	1260 VA	1	20	R EXPLORERS A1054	42	R; D	
	R	43	R Room A1012, A1057	20	1	1260 VA	1440 VA					1	20	R Room A1059, A1063	44	R; D	
	R	45	R Room A1292, A1057, A1059	20	1			1440 VA	1440 VA			1	20	R STORAGE A1058	46	R	
	R; D	47	R CENTRAL MAIL | PRINT A1063	20	1					900 VA	1080 VA	1	20	R CENTRAL MAIL | PRINT A1063	48	R	
	D	49	D CENTRAL MAIL | PRINT A1063	20	1	180 VA	900 VA					1	20	Room A1064, A1063	50	R; D	
	R	51	R Room A1064, A1074	20	1			1260 VA	1260 VA			1	20	R ADMIN CONFERENCE A1072	52	R	
	R	53	R Room A1013, A1015, A1014	20	1					900 VA	1080 VA	1	20	R Room A1018, A1017	54	R	
	R	55	R Room A1070, A1071	20	1	1080 VA	1440 VA					1	20	R Room A1070, A1069	56	R	
1	R	57	RM A1070 - COFFEE MACHINE	20	1			500 VA	360 VA			1	20	R COPY | PRINT | SUPPLIES A1070	58	R	
1	R	59	RM A1070 - REFRIGERATOR	20	1					500 VA	360 VA	1	20	RM A1070 - PRINTER	60	R	
	R	61	R Room A1069, A1068	20	1	900 VA	1440 VA					1	20	R Room A1067, A1066, A1068	62	R	
	R	63	R Room A1087, A1065	20	1			900 VA	1800 VA			1	20	R Room A1086, A1085, A1066	64	R	
	R	65	R Room A1084, A1083	20	1					720 VA	720 VA	1	20	R Room A1082, A1081	66	R	
	R	67	R Room A1081, A1080	20	1	720 VA	1080 VA					1	20	R Room A1080, A1079	68	R	
	R	69	A1078 - PLOTTER	20	1			360 VA	540 VA			1	20	R Room A1077, A1078	70	R	
	R	71	A1078 - PRINTER	20	1					180 VA	1260 VA	1	20	R CONFERENCE A1077	72	R	
	R	73	R Room A1077, A1076, A1075	20	1	1260 VA	1620 VA					1	20	R Room A1091, A1090, A1062, A1092	74	R	
1	D	75	A1092 - REFRIGERATOR	20	1			500 VA	1080 VA			1	20	R Room A1088, A1089, A1076	76	R	
	R; D	77	ELECTRONIC SURVEILLANCE | DIGITAL...	20	1					720 VA	720 VA	1	20	ELECTRONIC SURVEILLANCE | DIGITAL...	78	R; D	
	R	79	R ELECTRONIC SURVEILLANCE |...	20	1	360 VA	360 VA					1	20	R ELECTRONIC SURVEILLANCE |...	80	R	
	--	81	SPARE	20	1			0 VA	0 VA			1	20	SPARE	82	--	
	--	83	SPARE	20	1					0 VA	0 VA	1	20	SPARE	84	--	
			Total Connected Load (VA):			25460 VA		25080 VA		23600 VA							
			Total Connected Current (A):			214		211		197							

L (125%) = | H (100%) = | WH (100%) =
R<10,000(100%) = 10000 VA | Motor-LARGE (125%) = 0 VA | K (65%) =
R>10,000 (50%) = 28760 VA | Motor-OTHER (100%) = 0 VA | A (100%) =
RECEPTS TOTAL = 38760 VA | MOTOR TOTAL = | D (100%) = 6620 VA
AW (ESTIMATED DEMAND) = | RW (ESTIMATED DEMAND) = | E (80%) =
AW (DEMAND FACTOR) = | RW (DEMAND FACTOR) =

Panel Totals	
Total Conn. Load:	74140 VA
Total Conn. Current:	206 A
Total Demand Load:	45380 VA
Total Demand Current:	126 A

LOAD CLASSIFICATION L = LIGHTING, R = RECEPTACLES, M = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

NOTES
1. PROVIDE GFCI BREAKER.

(E) PANEL '1P7'	(E) PANEL '1P8'	(E) PANEL '1P9'
PANEL 'IP7'	PANEL '1P8'	PANEL '1P9'

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04/04/2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
PANEL SCHEDULES

SHEET
E6.13

JOB NO. 2170269.07

Permit/Bid Set 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Trans

PANEL: (E)1P10 **PHASE: 3** **VOLTAGE: 208Y/120V** **FEED TYPE: Side** **225 A MLO**
LOCATION: **MOUNT: Surface** **WIRE: 4** **225 A BUS**
TYPE: Type 1 **POLES: 42** **SF MAINS: No** **AIC MIN.**

LC	#	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	#	LC
--	43	RECEP TRAINING 107	20	1	1080 VA	1080 VA		1	20	RECEP TRAINING 104	44	--
--	45	FC36	20	1		1080 VA	1500 VA	1	20	RECEP TRAINING 105	46	--
--	47	--	20	1			900 VA	1500 VA	1	20	RECEP TRAINING 105	48	--
--	49	RECEP CONFERENCE 110	20	1	1440 VA	1500 VA			1	20	RECEP TRAINING 105	50	--
--	51	RECEP COPY/COFFEE 142/ PH 141	20	1		1260 VA	1500 VA		1	20	RECEP TRAINING 105	52	--
--	53	RECEP CNFRCE 110 / COPY/ COFF	20	1			540 VA	0 VA	1	20	RECEP COFFEE/COPY 142	54	--
--	55	FC31	20	1	1080 VA	1500 VA			1	20	RECEP COFFEE/COPY 109	56	--
--	57	--	20	1		900 VA	360 VA		1	20	RECEP COFFEE/COPY 109	58	--
--	59	FC40	20	1			900 VA	1000 VA	1	20	RECEP COFFEE/COPY 109	60	--
--	61	--	20	1	900 VA	1400 VA			1	20	RECEP TRAINING 107/ HALL 106	62	--
--	63	RECEP COPY/COFFEE 142	20	1		1500 VA	0 VA		1	20	SPARE	64	--
--	65	RECEP OPEN OFFICE 147	20	1			360 VA	1620 VA	1	20	RECEP OPEN OFFICE 136	66	--
--	67	RECEP OPEN OFFICE 147	20	1	360 VA	720 VA			1	20	RECEP HUDDLE 145	68	--
--	69	RECEP OPEN OFFICE 147	20	1		180 VA	1440 VA		1	20	RECEP HUDDLE 143/ 144	70	--
--	71	RECEP RECEPTION 100	20	1			360 VA	360 VA	1	20	RECEP MDF 149	72	--
--	73	RECEP RECEPTION 100	20	1	360 VA	360 VA			1	20	RECEP MDF 149	74	--
--	75	RECEP INTRVW 101/102	20	1		1260 VA	360 VA		1	20	RECEP MDF 149	76	--
--	77	RECEP INTRVW 157, 159, 160	20	1			1260 VA	360 VA	1	20	RECEP MDF 149	78	--
--	79	FC29	20	1	1080 VA	1080 VA			1	20	FC28	80	--
--	81	--	20	1		900 VA	900 VA		1	20	--	82	--
--	83	RECEP OFFICE 148/ STRG 115	20	1			1260 VA	0 VA	1	20	HUDDLE 145 SPARE	84	--
		Total Connected Load (VA):			13940 VA	13140 VA	10420 VA					
		Total Connected Current (A):			120	113	87					

L (125%) =
R<10,000(100%) = 0 VA
R>10,000 (50%) = 0 VA
RECEPTS TOTAL =
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 0 VA
Motor-OTHER (100%) = 0 VA
MOTOR TOTAL =
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) =
K (65%) =
A (100%) =
D (100%) =
E (80%) =

Panel Totals	
Total Conn. Load:	37500 VA
Total Conn. Current:	104 A
Total Demand Load:	37500 VA
Total Demand Current:	104 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

THE FOLLOWING PANEL IS BEING RELOCATED AND RENAMED.

PANEL: (E)L-U1 **PHASE: 3** **VOLTAGE: 208Y/120V** **FEED TYPE: Bottom** **400 A MCB**
LOCATION: UPS C137 **MOUNT: Surface** **WIRE: 4** **400 A BUS**
TYPE: Type 1 **POLES: 42** **SF MAINS: No** **AIC MIN.**

LC	#	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	#	LC
--	1	IDF 139 RECEPTACLE	20	1	1500 VA	2800 VA		1	30	RECEPTACLE	2	--
--	3	MDF 149	30	1		0 VA	2800 VA	1	20	RECEPTACLE	4	--
--	5	RECEPTACLE	30	1			2800 VA	750 VA	1	20	RECEPTACLE	6	--
--	7	RECEPTACLE	20	1	750 VA	750 VA			1	20	--	8	--
--	9	--	20	1		750 VA	750 VA		1	20	RECEPTACLE	10	--
--	11	RECEPTACLE	20	1			750 VA	750 VA	1	20	--	12	--
--	13	--	20	1	750 VA	0 VA			1	20	SPARE	14	--
--	15	RECEPTACLE	20	1		750 VA	750 VA		1	20	RECEPTACLE	16	--
--	17	--	20	1			0 VA	750 VA	1	20	--	18	--
--	19	RECEPTACLE	20	1	750 VA	750 VA			1	20	RECEPTACLE	20	--
--	21	--	20	1		750 VA	750 VA		1	20	--	22	--
--	23	RECEPTACLE	20	1			750 VA	750 VA	1	20	RECEPTACLE	24	--
--	25	--	20	1	750 VA	750 VA			1	20	--	26	--
--	27	RECEPTACLE	20	1		750 VA	0 VA		1	20	SPARE	28	--
--	29	--	20	1			750 VA	2800 VA	1	30	RECEPTACLE	30	--
--	31	RECEPTACLE	30	1	2800 VA	2800 VA			1	30	RECEPTACLE	32	--
--	33	RECEPTACLE	30	1		2800 VA	0 VA		1	30	SPARE	34	--
--	35	RECEPTACLE	20	1			0 VA	750 VA	1	20	RECEPTACLE	36	--
	37				5250 VA	750 VA			1	20	--	38	--
Spare	39	(E) PANEL L-U4	100	3		4500 VA	750 VA		1	20	RECEPTACLE	40	--
	41						3750 VA	750 VA	1	20	--	42	--
		Total Connected Load (VA):			46710 VA	43520 VA	44360 VA					
		Total Connected Current (A):			390	363	371					

L (125%) =
R<10,000(100%) = 0 VA
R>10,000 (50%) = 0 VA
RECEPTS TOTAL =
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 0 VA
Motor-OTHER (100%) = 0 VA
MOTOR TOTAL =
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) =
K (65%) =
A (100%) =
D (100%) =
E (80%) =

Panel Totals	
Total Conn. Load:	134590 VA
Total Conn. Current:	374 A
Total Demand Load:	134590 VA
Total Demand Current:	374 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

PANEL: (E)L-U2 **PHASE: 3** **VOLTAGE: 208Y/120V** **FEED TYPE: Bottom** **400 A MLO**
LOCATION: UPS C137 **MOUNT: Surface** **WIRE: 4** **400 A BUS**
TYPE: Type 1 **POLES: 42** **SF MAINS: No** **AIC MIN.**

LC	#	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	#	LC
--	1	FC01	20	1	900 VA	900 VA			1	20	FC02	2	--
--	3	--	20	1		1080 VA	1080 VA		1	20	--	4	--
--	5	FC03	20	1			1080 VA	1080 VA	1	20	FC04	6	--
--	7	--	20	1	900 VA	900 VA			1	20	--	8	--
--	9	FC05	20	1		1080 VA	1080 VA		1	20	FC06	10	--
--	11	--	20	1			900 VA	900 VA	1	20	--	12	--
--	13	FC07	20	1	1080 VA	1080 VA			1	20	FC08	14	--
--	15	--	20	1		900 VA	900 VA		1	20	--	16	--
--	17	FC09	20	1			1080 VA	1080 VA	1	20	FC10	18	--
--	19	--	20	1	900 VA	900 VA			1	20	--	20	--
--	21	FC11	20	1		1080 VA	1080 VA		1	20	FC12	22	--
--	23	--	20	1			900 VA	900 VA	1	20	--	24	--
--	25	FC13	20	1	1080 VA	1080 VA			1	20	FC14	26	--
--	27	--	20	1		900 VA	900 VA		1	20	--	28	--
--	29	FC15	20	1			1080 VA	1080 VA	1	20	FC16	30	--
--	31	--	20	1	900 VA	900 VA			1	20	--	32	--
--	33	FC17	20	1		1080 VA	1080 VA		1	20	FC18	34	--
--	35	--	20	1			900 VA	900 VA	1	20	--	36	--
--	37	SPARE	20	1	0 VA	0 VA			1	20	SPARE	38	--
--	39	RECEPTACLE	20	1		750 VA	750 VA		1	20	RECEPTACLE	40	--
--	41	--	20	1			750 VA	750 VA	1	20	--	42	--
		Total Connected Load (VA):			25560 VA	27420 VA	28260 VA					
		Total Connected Current (A):			213	231	238					

L (125%) =
R<10,000(100%) = 0 VA
R>10,000 (50%) = 0 VA
RECEPTS TOTAL =
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 0 VA
Motor-OTHER (100%) = 0 VA
MOTOR TOTAL =
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) =
K (65%) =
A (100%) =
D (100%) =
E (80%) =

Panel Totals	
Total Conn. Load:	81240 VA
Total Conn. Current:	225 A
Total Demand Load:	81240 VA
Total Demand Current:	225 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

PANEL: 1P10 **PHASE: 3** **VOLTAGE: 208Y/120V** **FEED TYPE: Bottom** **225 A MLO**
LOCATION: **MOUNT: Surface** **WIRE: 4** **225 A BUS**
TYPE: Type 1 **POLES: 42** **SF MAINS: No** **AIC MIN.**

LC	#	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	#	LC
--	1	SPARE	20	1	0 VA	500 VA		1	20	VEHICLE CHARGING - PARKING CANOPY	2	D
--	3	SPARE	20	1		0 VA	500 VA	1	20	VEHICLE CHARGING - PARKING CANOPY	4	D
--	5	SPARE	20	1			0 VA	250 VA	2	20	VEHICLE GATE MOTOR	6	D
--	7	SPARE	20	1	0 VA	250 VA						8	
--	9	SPARE	20	1		0 VA	250 VA		2	20	VEHICLE GATE MOTOR	10	D
--	11	SPARE	20	1			0 VA	250 VA				12	
--	13	SPARE	20	1	0 VA	250 VA			2	20	VEHICLE GATE MOTOR	14	D
--	15	SPARE	20	1		0 VA	250 VA					16	
--	17	SPARE	20	1			0 VA	500 VA ADD 1 KW	1	20	SITE SYSTEMS POWER - WEST ADD 1 KW	18	D
--	19	SPARE	20	1	0 VA	500 VA ADD 1 KW			1	20	SITE SYSTEMS POWER - EAST ADD 1 KW	20	D
--	21	SPARE	20	1		0 VA	0 VA		1	20	SPARE	22	--
--	23	SPARE	20	1			0 VA	0 VA	1	20	SPARE	24	--
--	25	SPARE	20	1	0 VA	0 VA			1	20	SPARE	26	--
--	27	SPARE	20	1		0 VA	0 VA		1	20	SPARE	28	--
--	29	SPARE	20	1			0 VA	0 VA	1	20	SPARE	30	--
--	31	SPARE	20	1	0 VA	0 VA			1	20	SPARE	32	--
--	33	SPARE	20	1		0 VA	0 VA		1	20	SPARE	34	--
--	35	SPARE	20	1			0 VA	0 VA	1	20	SPARE	36	--
--	37	SPARE	20	1	0 VA	0 VA			1	20	SPARE	38	--
--	39	SPARE	20	1		0 VA	0 VA		1	20	SPARE	40	--
--	41	SPARE	20	1			0 VA	0 VA	1	20	SPARE	42	--
		Total Connected Load (VA):			1500 VA	1000 VA	1000 VA					
		Total Connected Current (A):			13	8	8					

L (125%) =
R<10,000(100%) = 0 VA
R>10,000 (50%) = 0 VA
RECEPTS TOTAL =
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 0 VA
Motor-OTHER (100%) = 0 VA
MOTOR TOTAL =
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) =
K (65%) =
A (100%) =
D (100%) = 3500 VA
E (80%) =

Panel Totals	
Total Conn. Load:	3500 VA
Total Conn. Current:	10 A
Total Demand Load:	3500 VA
Total Demand Current:	10 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

PANEL: L-U1 **PHASE: 3** **VOLTAGE: 208Y/120V** **FEED TYPE: Bottom** **400 A MCB**
LOCATION: UPS C137 **MOUNT: Surface** **WIRE: 4** **400 A BUS**
TYPE: Type 1 **POLES: 42** **SF MAINS: No** **AIC MIN.**

LC	#	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	#	LC
R	1	R CAPTAIN A1046	20	1	1080 VA	0 VA		1	30	SPARE	2	--
--	3	SPARE	30	1		0 VA	0 VA	1	30	SPARE	4	--
--	5	SPARE	30	1			0 VA	720 VA	1	20	R SERGEANT A1044	6	R
R	7	Room A1037	20	1	720 VA	720 VA			1	20	R CAPTAIN A1047	8	R
R	9	R TECHNICIAN A1124	20	1			720 VA	1440 VA	1	20	R SERGEANT A1048	10	R
R	11	R COMMUNITY OUTREACH OFFICER A1051	20	1				1080 VA	1080 VA	1	20	D OPERATIONS | PATROL A1037	12	D
R	13	R COMMUNITY OUTREACH OFFICER A1051	20	1	720 VA	1080 VA						14	
D	15	D OPERATIONS | PATROL A1037	20	1			1080 VA	1080 VA	1	20	D OPERATIONS | PATROL A1037	16	D
D	17	D OPERATIONS | PATROL A1037	20	1					1080 VA	1080 VA	1	20	D OPERATIONS | PATROL A1037	18	D
--	19	SPARE	20	1	0 VA	0 VA						20	
--	21	SPARE	20	1		0 VA	0 VA		1	20	SPARE	22	--
--	23	SPARE	20	1			0 VA	0 VA	1	20	SPARE	24	--
--	25	SPARE	20	1	0 VA	0 VA			1	20	SPARE	26	--
--	27	SPARE	20	1		0 VA	0 VA		1	20	SPARE	28	--
--	29	SPARE	20	1			0 VA	0 VA	1	30	SPARE	30	--
--	31	SPARE	30	1	0 VA	0 VA			1	30	SPARE	32	--
--	33	SPARE	30	1		0 VA	0 VA		1	20	SPARE	34	--
--	35	SPARE	20	1			0 VA	0 VA	1	20	SPARE	36	--
	37				0 VA	0 VA			1	20	SPARE	38	--
--	39	SPARE	100	3		0 VA	0 VA		1	20	SPARE	40	--
	41						0 VA	0 VA	1	20	SPARE	42	--
		Total Connected Load (VA):			23990 VA	21640 VA	21060 VA					
		Total Connected Current (A):			201	181	176					

L (125%) =
R<10,000(100%) = 10000 VA
R>10,000 (50%) = 17365 VA
RECEPTS TOTAL = 27365 VA
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 0 VA
Motor-OTHER (100%) = 0 VA
MOTOR TOTAL =
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) =
K (65%) =
A (100%) =
D (100%) = 21960 VA
E (80%) =

Panel Totals	
Total Conn. Load:	66690 VA
Total Conn. Current:	185 A
Total Demand Load:	49325 VA
Total Demand Current:	137 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

PANEL: L-U2 **PHASE: 3** **VOLTAGE: 208Y/120V** **FEED TYPE: Bottom** **400 A MLO**
LOCATION: UTILITY A1131 **MOUNT: Surface** **WIRE: 4** **400 A BUS**
TYPE: Type 1 **POLES: 42** **SF MAINS: No** **AIC MIN.**

LC	#	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	#	LC
D	1	D PROFESSIONAL SERVICES A1022	20	1	1080 VA	1080 VA			1	20	D PROFESSIONAL SERVICES A1022	2	D
D	3	D PROFESSIONAL SERVICES A1022	20	1		1080 VA	1080 VA		1	20	R Room A1025, A1024	4	R
R	5	R TRAFFIC A1057	20	1			720 VA	360 VA	1	20	R CHAPLAIN A1036	6	R
R	7	R TRAFFIC A1057	20	1	720 VA	900 VA			1	20	D TRAFFIC A1057	8	R
R	9	R RECORDS A1010	20	1		720 VA	900 VA		1	20	D TRAFFIC A1057	10	R
R	11	R RECORDS A1010	20	1			720 VA	1080 VA	1	20	D RECORDS A1010	12	R
R	13	D RECORDS A1010	20	1	360 VA	1080 VA			1	20	D RECORDS A1010	14	R
D	15	D RECORDS A1010	20	1		500 VA	720 VA		1	20	R SUPERVISOR A1018	16	R
R	17	R Room A1017, A1016	20	1			1080 VA	360 VA	1	20	R SERGEANT A1059	18	R
D	19	R VIDEO REDACTION A1015	20	1	1080 VA	720 VA			1	20	R Room A1068, A1069	20	R
R	21	R Room A1066, A1067	20	1			720 VA	720 VA	1	20	R Room A1086, A1087	22	R
R	23	R Room A1075, A1084, A1083	20	1				1080 VA	1080 VA	1	20	D CRIMINAL INVESTIGATIONS DIVISION A1075	24	D
D	25	D CRIMINAL INVESTIGATIONS DIVISION A1075	20	1	1080 VA	1080 VA						26	
D	27	D CRIMINAL INVESTIGATIONS DIVISION A1075	20	1			1080 VA	720 VA	1	20	D CRIMINAL INVESTIGATIONS DIVISION A1075	28	D
R	29	R Room A1082, A1081, A1080	20	1				1080 VA	360 VA	1	20	R ELECTRONIC SURVEILLANCE | DIGITAL...	30	R
R	31	R Room A1079, A1075	20	1	360 VA	1080 VA			1	20	R Room A1033, A1032	32	R
--	33	SPARE	20	1			0 VA	0 VA	1	20	SPARE	34	--
--	35	SPARE	20	1				0 VA	0 VA	1	20	SPARE	36	--
	37				8330 VA	720 VA						38	
R; Spare; D	39	L-U3	100	3		8720 VA	360 VA		3	100	IDF ADD 1 KW	40	R; Spare; D
	41						7420 VA	680 VA				42	
		Total Connected Load (VA):			19670 VA	17320 VA	16020 VA					
		Total Connected Current (A):			166	146	134					

L (125%) =
R<10,000(100%) = 10000 VA
R>10,000 (50%) = 13765 VA
RECEPTS TOTAL = 23765 VA
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 0 VA
Motor-OTHER (100%) = 0 VA
MOTOR TOTAL =
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) =
K (65%) =
A (100%) =
D (100%) = 15480 VA
E (80%) =

Panel Totals	
Total Conn. Load:	53010 VA
Total Conn. Current:	147 A
Total Demand Load:	39245 VA
Total Demand Current:	109 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

(E) PANEL '1P10'	(E) PANEL 'L-U1'	(E) PANEL 'L-U2'
PANEL 'IP10'	PANEL 'L-U1'	PANEL 'L-U2'

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
PANEL SCHEDULES

SHEET
E6.14

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/515240182-2023-TSC-MEP.rvt 4/7/2025 5:43:09 PM

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PANEL: (E)L-U3 PHASE: 3 VOLTAGE: 208Y/120V FEED TYPE: Bottom 400 A MLO
LOCATION: UPS C137 MOUNT: Surface WIRE: 4 400 A BUS
TYPE: Type 1 POLES: 42 SF MAINS: No AIC MIN.

LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC
--	1	FC21	20	1	1080 VA	1080 VA					1	20	FC22	2	--
--	3	--	20	1			900 VA	900 VA			1	20	--	4	--
--	5	FC24	20	1					1080 VA	1080 VA	1	20	FC23	6	--
--	7	--	20	1	900 VA	900 VA					1	20	--	8	--
--	9	FC25	20	1			1080 VA	1080 VA			1	20	FC26	10	--
--	11	--	20	1					900 VA	900 VA	1	20	--	12	--
--	13	FC28	20	1	1080 VA	1080 VA					1	20	FC27	14	--
--	15	--	20	1			900 VA	900 VA			1	20	--	16	--
--	17	FC29	20	1					1080 VA	1080 VA	1	20	FC30	18	--
--	19	--	20	1	900 VA	900 VA					1	20	--	20	--
--	21	FC31	20	1			1080 VA	1080 VA			1	20	FC32	22	--
--	23	--	20	1					900 VA	900 VA	1	20	--	24	--
--	25	FC33	20	1	1080 VA	1080 VA					1	20	FC34	26	--
--	27	--	20	1			900 VA	900 VA			1	20	--	28	--
--	29	FC36	20	1					1080 VA	1080 VA	1	20	FC37	30	--
--	31	--	20	1	900 VA	900 VA					1	20	--	32	--
--	33	FC38	20	1			1080 VA	1080 VA			1	20	FC35	34	--
--	35	--	20	1					900 VA	900 VA	1	20	--	36	--
--	37	FC19	20	1	1080 VA	1080 VA					1	20	FC20	38	--
--	39	--	20	1			900 VA	900 VA			1	20	--	40	--
--	41	RECEPTACLE	20	1					1500 VA	1500 VA	1	20	RECEPTACLE	42	--
		Total Connected Load (VA):			14040 VA		13680 VA		14880 VA						
		Total Connected Current (A):			117		114		124						

L (125%) =
R<10,000(100%) = 0 VA
R>10,000 (50%) = 0 VA
RECEPTS TOTAL =
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 0 VA
Motor-OTHER (100%) = 0 VA
MOTOR TOTAL =
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) =
K (65%) =
A (100%) =
D (100%) =
E (80%) =

Panel Totals

Total Conn. Load:	42600 VA
Total Conn. Current:	118 A
Total Demand Load:	42600 VA
Total Demand Current:	118 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

PANEL: L-U3 PHASE: 3 VOLTAGE: 208Y/120V FEED TYPE: Bottom 400 A MLO
LOCATION: MECHANICAL A1131 MOUNT: Recessed WIRE: 4 400 A BUS
TYPE: Type 1 POLES: 42 SF MAINS: No AIC MIN.

LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC
R	1	REC FLBX Room B1004	20	1	1000 VA	1000 VA					1	20	REC FLBX Room B1004	2	R
R	3	REC FLBX Room B1004	20	1			1000 VA	1000 VA			1	20	REC FLBX Room B1004	4	R
R	5	REC FLBX Room B1004	20	1					1000 VA	1000 VA	1	20	REC FLBX Room B1004	6	R
D	7	REC TV Room B1004-E	20	1	360 VA	360 VA					1	20	REC TV Room B1004-W	8	R
R	9	REC Room B1008	20	1			1080 VA	360 VA			1	20	REC Room B1007	10	R
R	11	REC Room B1006	20	1					360 VA	1000 VA	1	20	R EOC B1004	12	R
R	13	REC GIS PLT Room B1003	20	1	180 VA	180 VA					1	20	R CAD | BACK-UP COMM B1005	14	R
R	15	R CAD | BACK-UP COMM B1005	20	1			1440 VA	180 VA			1	20	R CHAIR STORAGE A1005	16	R
D	17	D EOC STAFF B1000	20	1					1080 VA	180 VA	1	20	R CHAIR STORAGE A1005	18	R
R	19	R CAD | BACK-UP COMM B1005	20	1	1000 VA	1000 VA					1	20	R EOC B1004	20	R
R; D	21	HAM RADIO B1001	20	1			900 VA	180 VA			1	20	R GIS PLOTTER B1003	22	R
--	23	SPARE	20	1					0 VA	0 VA	1	20	SPARE	24	--
--	25	SPARE	20	1	0 VA	0 VA					1	20	SPARE	26	--
--	27	SPARE	20	1			0 VA	0 VA			1	20	SPARE	28	--
--	29	SPARE	20	1					0 VA	0 VA	1	20	SPARE	30	--
--	31	SPARE	20	1	0 VA	--					1	--	SPACE	32	--
--	33	SPARE	20	1			0 VA	--			1	--	SPACE	34	--
--	35	SPARE	20	1					0 VA	--	1	--	SPACE	36	--
R; Spare; D	37	SERVER	100	3	3250 VA	--					1	--	SPACE	38	--
	39						2580 VA	--			1	--	SPACE	40	--
	41								2800 VA	--	1	--	SPACE	42	--
		Total Connected Load (VA):			8330 VA		8720 VA		7420 VA						
		Total Connected Current (A):			71		74		62						

L (125%) =
R<10,000(100%) = 10000 VA
R>10,000 (50%) = 4675 VA
RECEPTS TOTAL = 14675 VA
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 0 VA
Motor-OTHER (100%) = 0 VA
MOTOR TOTAL =
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) =
K (65%) =
A (100%) =
D (100%) = 5120 VA
E (80%) =

Panel Totals

Total Conn. Load:	24470 VA
Total Conn. Current:	68 A
Total Demand Load:	19795 VA
Total Demand Current:	55 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

PANEL: EL PHASE: 3 VOLTAGE: 480Y/277V FEED TYPE: Bottom 100 A MLO
LOCATION: UPS C137 MOUNT: Surface WIRE: 4 100 A BUS
TYPE: Type 1 POLES: 42 SF MAINS: No AIC MIN.

LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC
L	1	FIRST FLOOR EGRESS LIGHTING	20	1	3705 VA	--					1	--	SPACE	2	--
L	3	CORRIDOR AND LOBBY EGRESS LIGHTING	20	1			1487 VA	--			1	--	SPACE	4	--
	5									--	1	--	SPACE	6	--
	7							--			1	--	SPACE	8	--
	9								--		1	--	SPACE	10	--
	11									--	1	--	SPACE	12	--
	13							--			1	--	SPACE	14	--
	15								--		1	--	SPACE	16	--
	17									--	1	--	SPACE	18	--
	19							--			1	--	SPACE	20	--
	21								--		1	--	SPACE	22	--
	23									--	1	--	SPACE	24	--
--	25	SPARE	20	1	0 VA	--					1	--	SPACE	26	--
--	27	SPARE	20	1			0 VA	--			1	--	SPACE	28	--
--	29	SPARE	20	1					0 VA	--	1	--	SPACE	30	--
--	31	SPARE	20	1	0 VA	--					1	--	SPACE	32	--
--	33	SPARE	20	1			0 VA	--			1	--	SPACE	34	--
--	35	SPARE	20	1					0 VA	--	1	--	SPACE	36	--
--	37	SPARE	20	1	0 VA	--					1	--	SPACE	38	--
--	39	SPARE	20	1			0 VA	--			1	--	SPACE	40	--
--	41	SPARE	20	1					0 VA	--	1	--	SPACE	42	--
		Total Connected Load (VA):			3705 VA		1487 VA		0 VA						
		Total Connected Current (A):			14		6		0						

L (125%) = 6490 VA
R<10,000(100%) = 0 VA
R>10,000 (50%) = 0 VA
RECEPTS TOTAL =
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 0 VA
Motor-OTHER (100%) = 0 VA
MOTOR TOTAL =
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) =
K (65%) =
A (100%) =
D (100%) =
E (80%) =

Panel Totals

Total Conn. Load:	5192 VA
Total Conn. Current:	6 A
Total Demand Load:	6490 VA
Total Demand Current:	8 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

PANEL: EL PHASE: 3 VOLTAGE: 480Y/277V FEED TYPE: Bottom 100 A MLO
LOCATION: UPS C137 MOUNT: Surface WIRE: 4 100 A BUS
TYPE: Type 1 POLES: 42 SF MAINS: No AIC MIN.

LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC
L	1	FIRST FLOOR EGRESS LIGHTING	20	1	3705 VA	--					1	--	SPACE	2	--
L	3	CORRIDOR AND LOBBY EGRESS LIGHTING	20	1			1487 VA	--			1	--	SPACE	4	--
	5									--	1	--	SPACE	6	--
	7							--			1	--	SPACE	8	--
	9								--		1	--	SPACE	10	--
	11									--	1	--	SPACE	12	--
	13							--			1	--	SPACE	14	--
	15								--		1	--	SPACE	16	--
	17									--	1	--	SPACE	18	--
	19							--			1	--	SPACE	20	--
	21								--		1	--	SPACE	22	--
	23									--	1	--	SPACE	24	--
--	25	SPARE	20	1	0 VA	--					1	--	SPACE	26	--
--	27	SPARE	20	1			0 VA	--			1	--	SPACE	28	--
--	29	SPARE	20	1					0 VA	--	1	--	SPACE	30	--
--	31	SPARE	20	1	0 VA	--					1	--	SPACE	32	--
--	33	SPARE	20	1			0 VA	--			1	--	SPACE	34	--
--	35	SPARE	20	1					0 VA	--	1	--	SPACE	36	--
--	37	SPARE	20	1	0 VA	--					1	--	SPACE	38	--
--	39	SPARE	20	1			0 VA	--			1	--	SPACE	40	--
--	41	SPARE	20	1					0 VA	--	1	--	SPACE	42	--
		Total Connected Load (VA):			3705 VA		1487 VA		0 VA						
		Total Connected Current (A):			14		6		0						

L (125%) = 6490 VA
R<10,000(100%) = 0 VA
R>10,000 (50%) = 0 VA
RECEPTS TOTAL =
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 0 VA
Motor-OTHER (100%) = 0 VA
MOTOR TOTAL =
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) =
K (65%) =
A (100%) =
D (100%) =
E (80%) =

Panel Totals

Total Conn. Load:	5192 VA
Total Conn. Current:	6 A
Total Demand Load:	6490 VA
Total Demand Current:	8 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

PANEL: (E)L-U4 PHASE: 3 VOLTAGE: 208Y/120V FEED TYPE: Bottom 100 A MLO
LOCATION: UPS C137 MOUNT: Surface WIRE: 4 100 A BUS
TYPE: Type 1 POLES: 24 SF MAINS: No 65,000 AIC MIN.

LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC
--	1	RECEP IDF 139	20	2	750 VA	750 VA					2	20	RECEP MDF 149	2	--
	3						750 VA	750 VA						4	--
--	5	RECEP IDF 139	20	2					750 VA	750 VA	2	20	RECEP IDF 139	6	--
	7				750 VA	750 VA								8	
--	9	RECEP IDF 139	20	2			750 VA	750 VA			2	20	RECEP IDF 139	10	--
	11								750 VA	750 VA				12	
--	13	RECEP MDF 149	20	2	750 VA	750 VA					2	20	RECEP MDF 149	14	--
	15						750 VA	750 VA						16	
--	17	RECEP MDF 149	20	2					750 VA	0 VA	2	20	SPARE	18	--
	19				750 VA	0 VA								20	
--	21	SPARE	20	2			0 VA	0 VA			2	20	SPARE	22	--
	23								0 VA	0 VA				24	
		Total Connected Load (VA):			5250 VA		4500 VA		3750 VA						
		Total Connected Current (A):			45		38		31						

L (125%) =
R<10,000(100%) = 0 VA
R>10,000 (50%) = 0 VA
RECEPTS TOTAL =
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 0 VA
Motor-OTHER (100%) = 0 VA
MOTOR TOTAL =
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) =
K (65%) =
A (100%) =
D (100%) =
E (80%) =

Panel Totals

Total Conn. Load:	13500 VA
Total Conn. Current:	37 A
Total Demand Load:	13500 VA
Total Demand Current:	37 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

PANEL: EOC PHASE: 3 VOLTAGE: 208Y/120V FEED TYPE: Bottom 100 A MCB
LOCATION: MECHANICAL A1131 MOUNT: Recessed WIRE: 4 100 A BUS
TYPE: Type 1 POLES: 30 SF MAINS: No AIC MIN.

LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC
R	1	REC Room B1001, B1002	20	1	360 VA	1080 VA					1	20	R GIS PLOTTER B1003	2	R
R	3	REC Room B1000-N, B1003	20	1			1080 VA	1080 VA			1	20	REC Room B1004-W/S	4	R
R	5	R CERT STORAGE B1009	20	1					1080 VA	1080 VA	1	20	R Room B1007, B1006	6	R
R	7	R CAD | BACK-UP COMM B1005	20	1	720 VA	1080 VA					1	20	R HAM RADIO B1001	8	R
R	9	R HAM RADIO B1001	20	1			1080 VA	1440 VA			1	20	R HAM RADIO B1001	10	R
R	11	R HAM RADIO B1001	20	1					1440 VA	180 VA	1	20	D HAM RADIO B1001	12	D
--	13	SPARE	20	1	0 VA	0 VA					1	20	SPARE	14	--
--	15	SPARE	20	1			0 VA	0 VA			1	20	SPARE	16	--
--	17	SPARE	20	1					0 VA	0 VA	1	20	SPARE	18	--
--	19	SPARE	20	1	0 VA	0 VA					1	20	SPARE	20	--
--	21	SPARE	20	1			0 VA	0 VA			1	20	SPARE	22	--
--	23	SPARE	20	1					0 VA	0 VA	1	20	SPARE	24	--
--	25	SPARE	20	1	0 VA	0 VA					1	20	SPARE	26	--
--	27	SPARE	20	1			0 VA	0 VA			1	20	SPARE	28	--
--	29	SPARE	20	1					0 VA	0 VA	1	20	SPARE	30	--
		Total Connected Load (VA):			3240 VA		4680 VA		3780 VA						
		Total Connected Current (A):			27		40		32						

L (125%) =
R<10,000(100%) = 10000 VA
R>10,000 (50%) = 760 VA
RECEPTS TOTAL = 10760 VA
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 0 VA
Motor-OTHER (100%) = 0 VA
MOTOR TOTAL =
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) =
K (65%) =
A (100%) =
D (100%) = 180 VA
E (80%) =

Panel Totals

Total Conn. Load:	11700 VA
Total Conn. Current:	32 A
Total Demand Load:	10940 VA
Total Demand Current:	30 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

PANEL: SERVER PHASE: 3 VOLTAGE: 208Y/120V FEED TYPE: Bottom 100 A MCB
LOCATION: SERVER A1132 MOUNT: Surface WIRE: 4 100 A BUS
TYPE: Type 1 POLES: 30 SF MAINS: No AIC MIN.

LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC
R	1	R SERVER A1132	20	1	750 VA	750 VA					2	20	R SERVER A1132	2	R
R	3	R SERVER A1132	20	1			750 VA	0 VA						4	
D	5	D SERVER A1132	20	1					500 VA	500 VA	1	20	D SERVER A1132	6	D
D	7	D SERVER A1132	20	1	500 VA	500 VA					1	20	D SERVER A1132	8	D
R	9	R SERVER C490	20	1			720 VA	360 VA			1	20	R SERVER C490	10	R
R	11	R SERVER C490	20	1					720 VA	1080 VA	1	20	R SERVER C490	12	R
--	13	SPARE	20	1	0 VA	750 VA					2	20	D SERVER A1132	14	D
--	15	SPARE	20	1			0 VA	750 VA						16	
--	17	SPARE	20	1					0 VA	0 VA	1	20	SPARE	18	--
--	19	SPARE	20	1	0 VA	0 VA					1	20	SPARE	20	--
--	21	SPARE	20	1			0 VA	0 VA			1	20	SPARE	22	--
--	23	SPARE	20	1					0 VA	0 VA	1	20	SPARE	24	--
--	25	SPARE	20	1	0 VA	0 VA					1	20	SPARE	26	--
--	27	SPARE	20	1			0 VA	0 VA			1	20	SPARE	28	--
--	29	SPARE	20	1					0 VA	0 VA	1	20	SPARE	30	--
		Total Connected Load (VA):			3250 VA		2580 VA		2800 VA						
		Total Connected Current (A):			27		22		24						

L (125%) =
R<10,000(100%) = 5130 VA
R>10,000 (50%) = 0 VA
RECEPTS TOTAL = 5130 VA
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 0 VA
Motor-OTHER (100%) = 0 VA
MOTOR TOTAL =
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) =
K (65%) =
A (100%) =
D (100%) = 3500 VA
E (80%) =

Panel Totals

Total Conn. Load:	8630 VA
Total Conn. Current:	24 A
Total Demand Load:	8630 VA
Total Demand Current:	24 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

PANEL: IDF PHASE: 3 VOLTAGE: 208Y/120V FEED TYPE: Bottom 100 A MCB
LOCATION: IDF 1074 MOUNT: Surface WIRE: 4 100 A BUS
TYPE: Type 1 POLES: 30 SF MAINS: No AIC MIN.

LC	#	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	#	LC
D	1	D PATROL STORAGE / SUPPLIES A1055	20	1	360 VA	360 VA					1	20	D PATROL STORAGE / SUPPLIES A1055	2	D
R	3	R IDF A1074	20	1			180 VA	180 VA			1	20	R PATROL STORAGE / SUPPLIES A1055	4	R
D	5	D IDF A1074	20	1					500 VA	180 VA	1	20	R IDF A1074	6	R
--	7	SPARE	20	1	0 VA	0 VA					1	20	SPARE	8	--
--	9	SPARE	20	1			0 VA	0 VA			1	20	SPARE	10	--
--	11	SPARE	20	1					0 VA	0 VA	1	20	SPARE	12	--
--	13	SPARE	20	1	0 VA	0 VA					1	20	SPARE	14	--
--	15	SPARE	20	1			0 VA	0 VA			1	20	SPARE	16	--
--	17	SPARE	20	1					0 VA	0 VA	1	20	SPARE	18	--
--	19	SPARE	20	1	0 VA	0 VA					1	20	SPARE	20	--
--	21	SPARE	20	1			0 VA	0 VA			1	20	SPARE	22	--
--	23	SPARE	20	1					0 VA	0 VA	1	20	SPARE	24	--
--	25	SPARE	20	1	0 VA	0 VA					1	20	SPARE	26	--
--	27	SPARE	20	1			0 VA	0 VA			1	20	SPARE	28	--
--	29	SPARE	20	1					0 VA	0 VA	1	20	SPARE	30	--
		Total Connected Load (VA):			720 VA		360 VA		680 VA						
		Total Connected Current (A):			6		3		6						

L (125%) =
R<10,000(100%) = 540 VA
R>10,000 (50%) = 0 VA
RECEPTS TOTAL = 540 VA
AW (ESTIMATED DEMAND) =
AW (DEMAND FACTOR) =

H (100%) =
Motor-LARGE (125%) = 0 VA
Motor-OTHER (100%) = 0 VA
MOTOR TOTAL =
RW (ESTIMATED DEMAND) =
RW (DEMAND FACTOR) =

WH (100%) =
K (65%) =
A (100%) =
D (100%) = 1220 VA
E (80%) =

Panel Totals

Total Conn. Load:	1760 VA
Total Conn. Current:	5 A
Total Demand Load:	1760 VA
Total Demand Current:	5 A

Notes: L = LIGHTING, R = RECEPTACLES, Motor = MOTOR LOADS, H = ELECTRIC HEAT, WH = WATER HEATER, K = KITCHEN EQUIP., A = APPLIANCES, D = DEDICATED LOADS, SF = SUB-FEEDS, E = EQUIP., AW = ARC WELDER, RW = RESISTIVE WELDER

(E) PANEL 'L-U3'	(E) PANEL 'L-U4'	PANEL 'SERVER'
PANEL 'L-U3'	PANEL 'EL'	PANEL 'IDF'
PANEL 'EL'	PANEL 'EOC'	

ADD A01

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04/04/2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
PANEL SCHEDULES

SHEET
E6.15

JOB NO. 2170269.07

Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/515240182-2023-TSC-MEP.rvt 4/7/2025 5:43:12 PM

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

EXISTING-TO-REUSE LIGHTING FIXTURE SCHEDULE

PROVIDE ALL MOUNTING HARDWARE, ENDCAPS, AND CORDS/CABLING FOR INSTALLATION AT NEW LOCATIONS

DESIGNATION	FIXTURE DESCRIPTION	MANUFACTURER / MODEL #	COLOR TEMP	DELIVERED LUMENS	V	W	MOUNTING & REMARKS
(E)PL1-8	8' LINEAR LED PENDANT, 4" APERTURE. DIRECT DISTRIBUTION. 0-10V DIMMING.	FINELITE; HP-4	3500K	5,760	277	56.8	FLUSH DOWNLIGHT OPTICS WITH LOW GLOSS WHITE REFLECTOR. FULLY ADJUSTABLE 50° MOUNTING FOR T-BAR CEILING. SIGNAL WHITE FINISH. MOUNT AT 13 FT, UNLESS OTHERWISE NOTED.
(E)PL1.1-12	12' LINEAR LED PENDANT, 4" APERTURE. DIRECT DISTRIBUTION. 0-10V DIMMING.	FINELITE; HP-4	3500K	8,640	277	85.2	FLUSH DOWNLIGHT OPTICS WITH LOW GLOSS WHITE REFLECTOR. FULLY ADJUSTABLE 50° MOUNTING FOR T-BAR CEILING. SIGNAL WHITE FINISH. MOUNT AT 13 FT, UNLESS OTHERWISE NOTED.
(E)PL2	12" LOW BAY LED PENDANT. 0-10V DIMMING.	SPECTRUM LIGHTING; PRISMATIC EXT MINI-BAY, GV SERIES	3500K	2,303	277	18	12" DIFFUSE REFRACTOR. CORD / CABLE MOUNT. PLATINUM FINISH. MOUNT AT 11 FT, UNLESS OTHERWISE NOTED.
(E)PL3	72" CYLINDRICAL LED PENDANT. 0-10V DIMMING.	OCL ARCHITECTURAL LIGHTING; LO1 LOOP	3500K	16,180	120/277	140	3 ANGLED AIRCRAFT CABLES HANGING SYSTEM. WHITE POWER CORD TO CANOPY. MATTE WHITE DIFFUSER. MOUNT AT 9 FT, UNLESS OTHERWISE NOTED.

ADD A/01

EXTERIOR LIGHTING FIXTURE SCHEDULE

DESIGNATION	FIXTURE DESCRIPTION	MANUFACTURER / MODEL #	COLOR TEMP	DELIVERED LUMENS	V	W	MOUNTING & REMARKS
AL1	TWIN HEAD PARKING LOT LIGHT, 25FT POLE	BEGA: B84249-K3-BLK	3000K	13,344	120-277	123	PROVIDE WITH 3-INCH DIAMETER STEEL, ROUND POLE SEE 4/E5.11 FOR CONCRETE FOUNDATION DETAIL
AL2	LANDSCAPE FLOOD LIGHT	B-K LIGHTING: NS-505-BLW	3000K	1,000	277	7.5	COORDINATE AIMING - PROVIDE WITH CONCRETE BASE
AL3	FLEXIBLE LED SITE WALL TAPE LIGHT, IP67	QTRAN: FLD-SW-P-30-90-1.4-IM	3000K	37 / ft	277	1.4 / ft	PROVIDE WITH SUITABLE POWER SUPPLY
AL4	IN-GRADE ADJUSTABLE FLOODLIGHT	BEGA: 77066-K3-NSL	3000K	211	120-277	5.9	PROVIDE WITH NON-SLIP LENS
AL5	2FT ADJUSTABLE SIGN FLOODLIGHT	HYDREL: HLF501-LCB-2-MSL2-450LMF-80CRI-30K-MVOLT-60X60DEG-FCA-H500ADJC1	3000K	450	120-277	8.36	COORDINATE AIMING - PROVIDE WITH CONCRETE BASE
AL6	IN-GRADE ADJUSTABLE FLAG POLE FLOODLIGHT	BEGA: 77629-K3-NSL	3000K	1,028	120-277	22.8	PROVIDE WITH NON-SLIP LENS
AL7	WALL MOUNTED LED LUMINAIRE	BEGA: B24374-K3-BLK	3000K	1,078	120-277	15	WALL MOUNT 6-INCHES ABOVE DOOR
AL8	WALL-MOUNT FLOODLIGHT	BEGA: B24816-K3-BLK	3000K	6,672	120-277	61	WALL MOUNT AT 20FT AFF COORDINATE TILT ANGLE WITH THE ARCHITECT
AL9	PEDESTRIAN SCALE POLE TOP LIGHT, 10FT POLE	BEGA: B77121-K3-BLK	3000K	1,499	120-277	19	PROVIDE WITH SUITABLE 3-INCH DIAMETER, 10FT POLE SEE 5/E5.11 FOR CONCRETE FOUNDATION DETAIL
SL1	LED PARKING CANOPY STRIP LIGHT	COLUMBIA: RLW-4-40-VW-FA-W-ED-U-GTD	3000K	3,400	120-277	22.2	
WL4	DIRECT/INDIRECT WALL SCONCE	LUMENWERX: AE4SEALCYW-DI-ETR-10IN-FTMBE-BVLG-FTMB-SW-50DEG-90DEG-2STP-80CRI-30KLFDL-UNV-14W-14W-D1-1C-XX-FTMBE	3000K	1,308	120-277	14	MOUNT AT 8FT AFF

NEW LIGHTING FIXTURE SCHEDULE

PL1-xx	xx' LINEAR LED PENDANT, 4" APERTURE. INDIRECT/DIRECT DISTRIBUTION. 0-10V DIMMING.	FINELITE: HP-4-P-ID-XX-S-B-835-TG-F-96LG-277-FC-10%-FA50-FE-SW	3500K	I: 428 / ft + D: 477 / ft = 905 / ft	277	8.2 / ft	"XX" IN THE FIXTURE ID DENOTES THE FIXTURE LENGTH. MOUNT AT 10 FT, UNLESS OTHERWISE NOTED.
PL2	5' LINEAR LED PENDANT, 2" APERTURE. DIRECT DISTRIBUTION. 0-10V DIMMING.	FOCAL POINT: FSM1S-FL-625LF-3500K-80CRI-1C-UNV-LD1-BK-5FT	3500K	3,060	277	35.5	MOUNT AT 14.5 FT, UNLESS OTHERWISE NOTED.
PL3	4' LINEAR LED PENDANT, 2" APERTURE. DIRECT DISTRIBUTION. 0-10V DIMMING.	COLUMBIA: ONW4-LSCS	3500K	4,391	277	35	SET SELECTOR SWITCH TO "3500K" AND "HIGH" OUTPUT. MOUNT AT 10 FT, UNLESS OTHERWISE NOTED.
PL4	36"x144" (12" ROUNDED CORNER) RECTANGULAR LED PENDANT. INDIRECT/DIRECT DISTRIBUTION. 0-10V DIMMING.	OCL: RV1S-P1EM-S-RES-MW-CUSTOM-LED2-35K-9350UNV-DM1	3500K	I: 9,000 + D: 9,000 = 18,000	277	214.3	PROVIDE IN 36"x144" RECTANGLE WITH SOFT CORNERS. MOUNT AT 10 FT, UNLESS OTHERWISE NOTED.
PL5	1.12" CYLINDRICAL LED PENDANT. 15" BODY + 1/2" DROP LENS. DIRECT DISTRIBUTION. 0-10V DIMMING.	LINDSLEY LIGHTING: HLO-LSS-PN.15.35.BK.H1.B	3500K	531	277	16	MOUNT AT 7 FT, UNLESS OTHERWISE NOTED.
PL6	19" CYLINDRICAL LED PENDANT. DIRECT DISTRIBUTION. 0-10V DIMMING.	LUMINIS: HC1600-L4L60-35K-MVOLT-STM	3500K	6,212	277	61	MOUNT AT 11 FT, UNLESS OTHERWISE NOTED.
PL7A	12" DECORATIVE KNITTED GLOBE PENDANT	UPLIGHT: KNITTED FALLING 12" PENDANT	-	-	277	-	REFER TO 8/A4.20 FOR MOUNTING HEIGHTS & TO SHEET A4.13 FOR DIMENSION LAYOUT.
	DIMMABLE E26 LED BULB	ARCHITECT TO SELECT COLOR.	3500K	1,500	277	15	
PL7B	16" DECORATIVE KNITTED GLOBE PENDANT	UPLIGHT: KNITTED FALLING 16" PENDANT	-	-	277	-	REFER TO 8/A4.20 FOR MOUNTING HEIGHTS & TO SHEET A4.13 FOR DIMENSION LAYOUT.
	DIMMABLE E26 LED BULB	ARCHITECT TO SELECT COLOR.	3500K	1,500	277	15	
PL7C	20" DECORATIVE KNITTED GLOBE PENDANT	UPLIGHT: KNITTED FALLING 20" PENDANT	-	-	277	-	REFER TO 8/A4.20 FOR MOUNTING HEIGHTS & TO SHEET A4.13 FOR DIMENSION LAYOUT.
	DIMMABLE E26 LED BULB	ARCHITECT TO SELECT COLOR.	3500K	1,500	277	15	
PL8A	7" DECORATIVE GLOBE LED PENDANT. 0-10V DIMMING.	LODES: RANDOM SOLO 18	3500K	150	277	3	PROVIDE (7) FIXTURES WITH CLEAR GLASS PROVIDE (4) FIXTURES WITH FROSTED WHITE GLASS REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS & DIMENSION LAYOUT.
PL8B	9" DECORATIVE GLOBE LED PENDANT. 0-10V DIMMING.	LODES: RANDOM SOLO 23	3500K	150	277	3	PROVIDE (7) FIXTURES WITH GLOSSY SMOKE GLASS REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS & DIMENSION LAYOUT.
PL8C	11" DECORATIVE GLOBE LED PENDANT. 0-10V DIMMING.	LODES: RANDOM SOLO 28	3500K	150	277	3	PROVIDE (10) FIXTURES WITH CLEAR GLASS PROVIDE (2) FIXTURES WITH FROSTED WHITE GLASS PROVIDE (4) FIXTURES WITH GLOSSY SMOKE GLASS REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS & DIMENSION LAYOUT.
PL9	3.55" APERTURE SQUARE LED PENDANT. 60° DIRECT BEAM DISTRIBUTION. 0-10V DIMMING.	ALPHABET: BETA-3Q-SW-15LM-35K-90-HE60-MC-MC-RPX-UNV-DIM10 CANOPY & CORE: CIRIO LINEAL (GLASS)	3500K	1,380	277	10.3	MOUNT AT 12 FT
PL10	PENDANT RAIL LIGHTING		2700K	2,200	277	38.5	PROVIDE APPROXIMATELY 12' LENGTH. MOUNT AT 7 FT
RL1A	2x2 LED WITH REGRESS LENS	FINELITE: HPT-RSE-2x2-S-835-96LG-277-SC-FC-10%	3500K	3,521	277	27.7	
RL1B	2x2 LED WITH REGRESS LENS	FINELITE: HPT-RSE-2x2-B-835-96LG-277-SC-FC-10%	3500K	4,527	277	36.1	
RL2	2x2 LED WITH DROP LENS	FOCAL POINT: FNVL-22-AX2-3500L-35K-1C-UNV-LD1	3500K	3,300	277	27.5	
RL3	2x2 LED LIGATURE RESISTANT TROFFER.	KENALL: RMCD-2-FL/TR-0/0-45L35K-DCC-DV-SYM/B-1-NLA	3500K	4,027	277	46	
RL4-xx	xx' LINEAR LED RECESSED, 3" APERTURE. 0-10V DIMMING.	FINELITE: HO4-R-D-RO-XX-B-835-OPN-96LG-277-SC-FC10%-SF-SW	3500K	500 / ft	277	4.25 / ft	"XX" IN THE FIXTURE ID DENOTES THE FIXTURE LENGTH
RL5A-xx	xx' LINEAR LED RECESSED, 4" APERTURE. 0-10V DIMMING.	FINELITE: HP-4-R-D-XX-B-835-F-96LG-277-SC-FC-10%	3500K	479 / ft	277	4.6 / ft	"XX" IN THE FIXTURE ID DENOTES THE FIXTURE LENGTH
RL5B-xx	xx' LINEAR LED RECESSED, 4" APERTURE. 0-10V DIMMING.	FINELITE: HP-4-R-D-XX-V-835-F-96LG-277-SC-FC-10%	3500K	932 / ft	277	9.3 / ft	"XX" IN THE FIXTURE ID DENOTES THE FIXTURE LENGTH
RL6A-xx	xx' LINEAR LED RECESSED, 2" APERTURE. 0-10V DIMMING.	FINELITE: HP-2-R-D-XX-H-835-F-96LG-277-SC-FC-10%	3500K	639 / ft	277	4.7 / ft	"XX" IN THE FIXTURE ID DENOTES THE FIXTURE LENGTH
RL6B-xx	xx' LINEAR LED RECESSED, 2" APERTURE. 0-10V DIMMING. WALL-WASH OPTIC.	FINELITE: HP-2-R-WW-D-XX-H-835-F-96LG-277-SC-FC-10%	3500K	639 / ft	277	4.4 / ft	"XX" IN THE FIXTURE ID DENOTES THE FIXTURE LENGTH
RL6C-xx	xx' LINEAR LED RECESSED, 2" APERTURE. 0-10V DIMMING.	FINELITE: HP-2-R-WW-D-XX-S-835-F-96LG-277-SC-FC-10%	3500K	479 / ft	277	3.2 / ft	"XX" IN THE FIXTURE ID DENOTES THE FIXTURE LENGTH
RL7-xx	xx' LINEAR LED RECESSED, 4" APERTURE. 0-10V DIMMING. DOWNLIGHT ASYMMETRIC OPTIC.	FINELITE: HP-4-R-D-XX-B-835-F-96LG-277-SC-FC-10%	3500K	500 / ft	277	4.4 / ft	"XX" IN THE FIXTURE ID DENOTES THE FIXTURE LENGTH
RL8A	3.55" APERTURE SQUARE LED DOWNLIGHT. 0-10V DIMMING. 60° BEAM DISTRIBUTION.	ALPHABET: NU4-QD-SW-15LM-35K-HE60-WH-WH-NC-UNV	3500K	1,363	277	14	
RL8B	3.55" APERTURE SQUARE LED DOWNLIGHT. 0-10V DIMMING. 80° BEAM DISTRIBUTION.	ALPHABET: NU4-QD-SW-25LM-35K-HE80-BK-BK-NC-UNV	3500K	2,380	277	28	COORDINATE WITH THE GC FOR CUTTING OF WOOD SLATS TO INCORPORATE FIXTURE INTO GRID SYSTEM. REFER TO MANUFACTURER RECOMMENDATIONS FOR CUTTING WOOD SLATS.
RL9A	4" ROUND LED DOWNLIGHT. 0-10V DIMMING. 50° BEAM DISTRIBUTION.	ALPHABET: NU4-RD-SW-15LM-35K-50D-DL-WH-WH-NC-UNV	3500K	1,485	277	12	
RL9B	4" ROUND LED DOWNLIGHT. 0-10V DIMMING. 65° BEAM DISTRIBUTION.	ALPHABET: NU4-RD-SW-15LM-35K-65D-DL-WH-WH-NC-UNV	3500K	1,485	277	18.6	
RL9C	4" ROUND LED DOWNLIGHT. 0-10V DIMMING. 65° BEAM DISTRIBUTION.	ALPHABET: NU4-RD-SW-25LM-35K-65D-DL-MC-MC-NC-UNV	3500K	2,540	277	27.8	
RL9D	4" CYLINDRICAL LED DOWNLIGHT. 0-10V DIMMING. 65° BEAM DISTRIBUTION.	ALPHABET: NU4-RD-SW-15LM-35K-65D-DL-WH-WH-NC-UNV	3500K	1,485	277	12	
RL9F	4" ROUND LED DOWNLIGHT. 0-10V DIMMING. 65° BEAM DISTRIBUTION.	ALPHABET: NU4-RD-SW-15LM-35K-65D-DL-MC-MC-NC-UNV	3500K	1,485	277	18.6	
RL9W	4" CYLINDRICAL LED DOWNLIGHT. 0-10V DIMMING. 65° BEAM DISTRIBUTION.	ALPHABET: NU4-RD-SW-10LM-35K-65D-DL-WH-WH-NC-UNV	3500K	950	277	22.1	
RL10	18" DIA SEMI-RECESSED. WARM LED. 0-10V DIMMING	PRUDENTIAL: P4018-LED27-SO-FWA-Y_-TMW-D1-SC-UNV-SMR4-DM01	2700K	2,700	277	39	ARCHITECT TO SELECT CUSTOM FINISH COLOR. PROVIDE WITH MUD OVER FLANGE IN HARD LID CEILINGS.
RL11-xx	xx' LINEAR LED RECESSED, 1" APERTURE. 0-10V DIMMING.	FOCAL POINT: FSM1-FL-500-935K-1C-UNV-L11-XFF	3500K	500 / ft	277	4.75 / ft	"XX" IN THE FIXTURE ID DENOTES THE FIXTURE LENGTH. PROVIDE FINAL LENGTH THAT STRETCHES THE FULL WIDTH OF THE CABINETS TO THE NEAREST INCH. COORDINATE WITH THE GC FOR EXACT LENGTH.
SL1A	4' LINEAR LED SURFACE-MOUNTED, 5" APERTURE. DIRECT DISTRIBUTION. 0-10V DIMMING.	COLUMBIA: RLW-4-35-LW-FA-W-ED-U	3500K	4,200	277	35	
SL1B	8' LINEAR LED SURFACE-MOUNTED, 5" APERTURE. DIRECT DISTRIBUTION. 0-10V DIMMING.	COLUMBIA: RLW-8-35-VW-FA-W-ED-U	3500K	6,800	277	47	
SL1C	8' LINEAR LED SURFACE-MOUNTED, 5" APERTURE. DIRECT DISTRIBUTION. 0-10V DIMMING.	COLUMBIA: RLW-8-35-MW-FA-W-ED-U	3500K	7,700	277	63	
SL2	12' LINEAR LED SURFACE-MOUNTED, 4" APERTURE. DIRECT DISTRIBUTION. 0-10V DIMMING.	FINELITE: HP-4-SM-D-12-B-835-F-96LG-277-SC-FC-10%	3500K	5,724	277	55.2	
SL3	SURFACE WALL WASH. 0-10V DIMMING.	VODE: 707-Z2-SL-96-96-C-0-SO-35-WH	3500K	2,392	277	32	
UC-xx	UNDER-CABINET LED TAPE WITH EXTRUSION.	KELVIX: TAPE: UNI2-WL-I-400-35K-24V CHANNEL: CH-006-X-FRR-CP-EC	3500K	400 / ft	24	3.6	PROVIDE WITH POWER SUPPLY. SEE E5.12 FOR ADDITIONAL INFORMATION.
WL1	36" LINEAR LED WALL-MOUNTED. 0-10V DIMMING.	BROWNLEE: 5160-36-BN-H25-EC1-35K	3500K	2,988	277	25	SEE ARCHITECTURAL ELEVATIONS FOR ADDITIONAL MOUNTING INFORMATION.
WL2	12' LINEAR LED WALL-MOUNTED, 4" APERTURE. DIRECT DISTRIBUTION. 0-10V DIMMING.	FINELITE: HP-4-WM-ID-12-S-B-835-TG-F-96LG-277-SC-FC-10%	3500K	5,724	277	55.2	MOUNT AT 8 FT
WL3	2' LINEAR LED WALL-MOUNTED, 5" APERTURE. 0-10V DIMMING.	COLUMBIA: RLW-2-35-VW-FA-W-ED-U	3500K	1,600	277	11.2	MOUNT ABOVE DOOR
X1A	WALL-MOUNTED, SINGLE-FACE EDGE LIT EXIT SIGN	DUAL LITE: LE-W-S-G-XX-N-A-I	-	-	277	2.2	PROVIDE WITH ARROWS AS REQUIRED BY THE EGRESS PLAN ROUTE. MOUNT AT 8 FT, UNLESS OTHERWISE NOTED.
X2A	CEILING-MOUNTED, SINGLE-FACE EDGE LIT EXIT SIGN	DUAL LITE: LE-C-S-G-XX-N-A-I	-	-	277	2.2	PROVIDE WITH ARROWS AS REQUIRED BY THE EGRESS PLAN ROUTE. MOUNT AT 8 FT, UNLESS OTHERWISE NOTED.
X2B	CEILING-MOUNTED, DOUBLE-FACE EDGE LIT EXIT SIGN	DUAL LITE: LE-C-D-G-XX-N-A-I	-	-	277	3.4	PROVIDE WITH ARROWS AS REQUIRED BY THE EGRESS PLAN ROUTE. MOUNT AT 8 FT, UNLESS OTHERWISE NOTED.
X3A	WALL-MOUNTED, SINGLE-FACE EXIT SIGN. LIGATURE RESISTANT.	KENALL: METSW-MW-G-DT-XAC	-	-	277	3.4	PROVIDE WITH ARROWS AS REQUIRED BY THE EGRESS PLAN ROUTE. MOUNT AT 8 FT, UNLESS OTHERWISE NOTED.

ADD A/01

NOTES:

1. SEE DRAWINGS FOR EMERGENCY LIGHTING FIXTURES.
2. FOR LIGHTING CONTROLS WHICH INCLUDE DAYLIGHT, OCCUPANCY SENSORS AND TIME CLOCK CONTROLS, THE ELECTRICAL CONTRACTOR SHALL PROVIDE TESTING OF THE CONTROL DEVICES, COMPONENTS, EQUIPMENT AND SYSTEMS TO MAKE SURE THEY ARE CALIBRATED, ADJUSTED AND OPERATE IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS. SEQUENCES OF OPERATION SHALL BE FUNCTIONALLY TESTED IN THE PRESENCE OF THE ENGINEER. A COMPLETE REPORT OF TEST PROCEDURES AND RESULTS SHALL BE PREPARED AND FILED WITH THE OWNER.
3. FIXTURE TYPES LISTED ARE TO INDICATE THE TYPE OF STYLE, LAMPING CHARACTERISTICS AND MOUNTING REQUIRED TO FACILITATE THE DESIGN. OTHER FIXTURE MANUFACTURERS MEETING THE LIGHT FIXTURE TYPE CRITERIA ARE ACCEPTABLE UPON EVALUATION AND APPROVAL BY THE ENGINEER.

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04/04/2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
LIGHTING FIXTURE SCHEDULE

SHEET
E6.21

JOB NO. 2170269.07

PERMIT/BID SET - 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

GENERAL NOTES

1. REFER TO ROOM CONTROL MATRIX FOR NETWORK COMPATIBLE FIXTURE REQUIREMENTS.
2. FIXTURE TYPES LISTED INDICATE THE TYPE, STYLE, CHARACTERISTICS, AND MOUNTING REQUIRED TO FACILITATE THIS DESIGN. OTHER FIXTURE MANUFACTURERS MEETING THE LIGHTING FIXTURE CRITERIA ARE ACCEPTABLE UPON APPROVAL BY THE ARCHITECT, OWNER, AND ENGINEER.
3. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL LIGHT FIXTURE FINISH COLORS WITH THE ARCHITECT AND OWNER PRIOR TO ORDERING.
4. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY COMPONENTS AND MOUNTING HARDWARE FOR A COMPLETE SYSTEM. COORDINATE LOCATION OF ALL REMOTE LED DRIVES - LOCATION SHALL BE CONCEALED AND READILY ACCESSIBLE.

COMMISSIONING REQUIREMENTS FOR THE LIGHTING CONTROL SYSTEM

TESTING SHALL ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED, AND IN THE PROPER WORKING CONDITION IN MANUFACTURER'S INSTALLATION INSTRUCTIONS. WRITTEN PROCEDURES WHICH CLEARLY DESCRIBE THE INDIVIDUAL SYSTEMATIC TEST PROCEDURES, THE EXPECTED SYSTEMS' RESPONSE OR ACCEPTANCE CRITERIA FOR EACH PROCEDURE, THE ACTUAL RESPONSE OR FINDINGS, AND ANY PERTINENT DISCUSSION SHALL BE FOLLOWED. AT A MINIMUM, TESTING SHALL AFFIRM OPERATION DURING NORMALLY OCCUPIED DAYLIGHT CONDITIONS. THE CONSTRUCTION DOCUMENTS SHALL STATE THE PARTY WHO WILL CONDUCT THE REQUIRED FUNCTIONAL TESTING. ALL TESTING AND DOCUMENTATION SHALL COMPLY WITH C408.3 OF THE WASHINGTON STATE ENERGY CODE. FOR OCCUPANT SENSORS, TIME SWITCHES, PROGRAMMABLE SCHEDULE CONTROLS, PHOTO-SENSORS OR DAYLIGHT CONTROLS, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:

1. CONFIRM THAT THE PLACEMENT, SENSITIVITY AND TIMEOUT ADJUSTMENTS FOR OCCUPANT SENSORS YIELD ACCEPTABLE PERFORMANCE.
2. CONFIRM THAT THE TIME SWITCHES AND PROGRAMMABLE SCHEDULE CONTROLS ARE PROGRAMMED TO TURN THE LIGHTS OFF.
3. CONFIRM THAT THE PLACEMENT AND SENSITIVITY ADJUSTMENTS FOR PHOTO-SENSOR CONTROLS REDUCE ELECTRIC LIGHT BASED ON THE AMOUNT OF USABLE DAYLIGHT IN THE SPACE AS SPECIFIED.

LIGHTING / RECEPTACLE CONTROL SEQUENCE FOR COMMISSIONING

GENERAL REQUIREMENTS

1. THE LIGHTING CONTROLS SYSTEM SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS IN WSEC C405.
2. VACANCY/OCCUPANCY SENSORS SHALL BE CONNECTED TOGETHER FOR CONTROL OF ALL LIGHTS IN THE ROOM. SET UP SENSORS AS INDICATED IN OCCUPANCY OR VACANCY MODE.
3. VACANCY MODE – MANUAL ON, AUTO OFF VIA SENSOR, SET AT 20 MIN.
4. OCCUPANCY MODE – AUTOMATIC ON TO 50%, AUTO OFF VIA SENSOR, SET AT 20 MIN.
5. ALL OCCUPANCY/VACANCY SENSORS SHALL BE DUAL TECHNOLOGY (I.E. INFRARED AND ULTRASONIC).
6. PHOTOCELLS TO BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER.
   a. TRIGGER 1 OF PHOTOCELL TO CONTROL LIGHTS IN PRIMARY DAYLIGHT ZONES (PDZ)
   b. TRIGGER 2 OF PHOTOCELL TO CONTROL LIGHTS IN SECONDARY DAYLIGHT ZONES (SDZ)
   c. PHOTOCELLS SHALL BE CONFIGURED AND ADJUSTABLE FROM THE FLOOR.
7. ALL PHOTOCELLS SHALL HAVE THE CAPABILITY TO COMPLETELY SHUT OFF LIGHTS WITH SUFFICIENT NATURAL LIGHT.
8. PROGRAMMING SHALL BE PROVIDED FOR ADJUSTMENT OF LIGHTS.
9. ALL LIGHTS SHALL BE PROVIDED WITH PROVISIONS FOR CONTROL VIA 0-10V DIMMING.
10. EMERGENCY LIGHTING RELAY REQUIRED FOR CONNECTION TO ANY DESIGNATED EMERGENCY LIGHT FIXTURES WITHIN EACH SPACE FOR AUTOMATIC OVERRIDE UPON A POWER FAILURE.

HOLDING CELLS AND OTHER I-3 OCCUPANCIES

1. MANUAL SWITCHING
   a. ON/OFF CONTROL SHALL BE PROVIDED BY KEYED SWITCH.
   b. EXEMPT FROM ANY ADDITIONAL LIGHTING CONTROL REQUIREMENTS PER WSEC C405.2, EXCEPTION #1 - SAFETY AND SECURITY.

INDIVIDUAL ROOM / PRIVATE OFFICE LIGHTING CONTROLS

1. OFFICES AND SMALL ROOMS WITH A WINDOW SHALL HAVE A PHOTOCELL
2. ALL OFFICES AND SMALL ROOMS SHALL HAVE VACANCY SENSORS.
3. SENSORS SHALL BE SET TO OCCUPANCY MODE – AUTO 'ON' TO 50%, FULL 'ON' UPON BUTTON PRESS - PHOTOCELL ENABLED
4. A DIMMER SHALL BE PROVIDED ON THE WALL TO ALLOW MANUAL ADJUSTMENT OF THE LIGHTING LEVEL.
5. OCCUPANCY SENSORS SHALL BE INTEGRATED INTO EACH FIXTURE, WHERE SPECIFIED, OTHERWISE SHALL BE CEILING MOUNTED.
6. DESIGNATED RECEPTACLES SHALL BE CAPABLE OF AUTOMATIC ON/OFF CONTROL VIA TIME SCHEDULE
   a. SET SWITCHED RECEPTACLES TO 'ON' 24 / 7 / 365.
   b. DURING TIMES WHEN RECEPTACLES ARE SWITCHED OFF, THE LIGHTING CONTROL OCCUPANCY SENSORS SHALL AUTOMATICALLY OVERRIDE THE TIME SCHEDULE AND TURN ON THE RECEPTACLES FOR TWO HOURS. AUTOMATICALLY RETURN TO TIME SCHEDULE AFTER TWO HOURS HAVE ELAPSED.

OPEN OFFICES

1. AUTOMATIC DAYLIGHT HARVESTING CONTROL
   a. LIGHTS IN PDZ – AUTO DIM CONTROLLED WITH PHOTOCELL – TRIGGER LEVEL 1.
   b. LIGHTS IN SDZ – AUTO DIM CONTROLLED WITH PHOTOCELL – TRIGGER LEVEL 2.
2. MANUAL SWITCHING AND DIMMING CONTROL
   a. CONTROL ZONE "a", "b", "c", ETC.
   b. ADDITIONAL ZONES AS INDICATED / REQUIRED
3. OCCUPANCY / VACANCY SENSORS SET TO OCCUPANCY MODE – AUTO 'ON' TO 50%, FULL 'ON' UPON BUTTON PRESS - PHOTOCELL ENABLED.
   a. LIGHTS IN EACH INDIVIDUAL CONTROL ZONE (MAXIMUM 2,500 SQFT) SHALL DIM TO 80% 20-MINUTES AFTER ALL OCCUPANTS HAVE LEFT THE ZONE.
   b. LIGHTS IN ALL CONTROL ZONES AUTO OFF 20 MINUTES AFTER ALL OCCUPANTS HAVE LEFT THE OPEN OFFICE (ALL CONTROL ZONES).
4. OCCUPANCY / VACANCY SENSORS SHALL BE INTEGRATED INTO EACH FIXTURE, WHERE SPECIFIED, OTHERWISE SHALL BE CEILING MOUNTED.
5. DESIGNATED RECEPTACLES SHALL BE CAPABLE OF AUTOMATIC ON/OFF CONTROL VIA TIME SCHEDULE
   a. SET SWITCHED RECEPTACLES TO 'ON' 24 / 7 / 365.
   b. DURING TIMES WHEN RECEPTACLES ARE SWITCHED OFF, THE LIGHTING CONTROL OCCUPANCY SENSORS SHALL AUTOMATICALLY OVERRIDE THE TIME SCHEDULE AND TURN ON THE RECEPTACLES FOR TWO HOURS. AUTOMATICALLY RETURN TO TIME SCHEDULE AFTER TWO HOURS HAVE ELAPSED.
6. DIMMER SWITCH WALL CONTROL STATION:
   a. BUTTON 1 -
      i. LABEL: ALL ON/OFF
      ii. FUNCTION: ALL ON/OFF - ALL LIGHTS ON 100%, PHOTOCELL ENABLED, OVERRIDE TIME SCHEDULE FOR SWITCHED RECEPTACLES
   b. BUTTON 2 -
      i. LABEL: UP/DOWN
      ii. FUNCTION: MANUAL DIM OR RAISE ALL LIGHTS TOGETHER
   c. PROVIDE ADDITIONAL BUTTONS FOR EACH SUBSEQUENT CONTROL ZONE -
      i. EACH CONTROL ZONE SHALL HAVE ITS OWN ON / OFF / DIM / RAISE FUNCTIONALITY

CONFERENCE ROOMS / MULTI-ZONE ROOMS / COMMUNITY ROOM / CLASSROOMS / TRAINING ROOMS

1. AUTOMATIC DAYLIGHT HARVESTING CONTROL
   a. LIGHTS IN PDZ – AUTO DIM CONTROLLED WITH PHOTOCELL – TRIGGER LEVEL 1.
   b. LIGHTS IN SDZ – AUTO DIM CONTROLLED WITH PHOTOCELL – TRIGGER LEVEL 2.
2. MANUAL SWITCHING AND DIMMING CONTROL
   a. CONTROL ZONE "a", "b", "c", ETC.
   b. ADDITIONAL ZONES AS INDICATED / REQUIRED
3. OCCUPANCY / VACANCY SENSORS SET TO OCCUPANCY MODE – AUTO 'ON' TO 50%, FULL 'ON' UPON BUTTON PRESS - PHOTOCELL ENABLED.
   a. LIGHTS IN ALL CONTROL ZONES AUTO 'OFF' 20 MINUTES AFTER ALL OCCUPANTS HAVE LEFT ZONE.
4. OCCUPANCY/VACANCY SENSORS SHALL BE INTEGRATED INTO EACH FIXTURE, WHERE SPECIFIED, OTHERWISE SHALL BE CEILING MOUNTED.
5. DESIGNATED RECEPTACLES SHALL BE CAPABLE OF AUTOMATIC ON/OFF CONTROL VIA TIME SCHEDULE
   a. SET SWITCHED RECEPTACLES TO 'ON' 24 / 7 / 365.
   b. DURING TIMES WHEN RECEPTACLES ARE SWITCHED OFF, THE LIGHTING CONTROL OCCUPANCY SENSORS SHALL AUTOMATICALLY OVERRIDE THE TIME SCHEDULE AND TURN ON THE RECEPTACLES FOR TWO HOURS. AUTOMATICALLY RETURN TO TIME SCHEDULE AFTER TWO HOURS HAVE ELAPSED.
6. DIMMER SWITCH WALL CONTROL STATION:
   a. BUTTON 1 -
      i. LABEL: ALL ON/OFF
      ii. FUNCTION: ALL ON/OFF - ALL LIGHTS ON 100%, PHOTOCELL ENABLED, OVERRIDE TIME SCHEDULE FOR SWITCHED RECEPTACLES
   b. BUTTON 2 -
      i. LABEL: UP/DOWN
      ii. FUNCTION: MANUAL DIM OR RAISE ALL LIGHTS TOGETHER
   c. PROVIDE ADDITIONAL BUTTONS FOR EACH SUBSEQUENT CONTROL ZONE - EACH CONTROL ZONE SHALL HAVE ITS OWN ON / OFF / DIM / RAISE

INDIVIDUAL JANITOR / CUSTODIAL LIGHTING CONTROLS

1. AUTOMATIC ON TO 50% - 'ON' BUTTON PRESS RAISES ALL LIGHTING TO 100%.
2. MANUAL CONTROL OF LIGHTS WITH SWITCH AT ENTRY DOOR.
3. LIGHTS AUTO OFF BY OCCUPANCY SENSOR AFTER 20 MINUTES - INTEGRATED SENSOR, CEILING, OR WALL, AS INDICATED.

ELECTRICAL / MECHANICAL / MDF & IDF / ELEVATOR MACHINE ROOM

1. ROOM SHALL BE STAND-ALONE AND NOT TIED TO THE BUILDING LIGHTING CONTROL SYSTEM.
2. LIGHTS CONTROLLED BY ON/OFF SWITCH.

CORRIDORS / MULTI-STALL RESTROOMS / STAIRS

1. ALL LIGHTS CONTROLLED BY TIME SCHEDULE
   a. SET TO 'ON' 24 / 7 / 365
2. OCCUPANCY / VACANCY SENSORS SET TO OCCUPANCY MODE - AUTOMATICALLY TURN LIGHTS ON TO 100%
   b. BETWEEN THE HOURS OF 6PM AND 6AM, SET OCCUPANCY SENSOR TO TURN LIGHTS TO 50% OUTPUT AFTER 20 MINUTES OF NOT DETECTING MOTION - AUTOMATICALLY RESTORE 'ON' TO 100%.

EXTERIOR LIGHTING

1. ALL EXTERIOR LIGHTING SHALL BE PROVIDED WITH PROVISIONS FOR DIMMING.
2. ALL EXTERIOR LIGHTING SCHEDULES SHALL RESIDE IN THE EXTERIOR LIGHTING CONTROL SYSTEM.
3. ALL FACADE AND LANDSCAPE LIGHTS ARE TO BE DIMMED TO 50% OUTPUT BETWEEN THE HOURS OF 12:00AM AND 6:00AM.
4. ALL OTHER BUILDING-MOUNTED LIGHTS USED FOR ILLUMINATION OF THE EXIT OR EGRESS PATHWAY ARE TO REMAIN ON AT 100% OUTPUT FROM DUSK TO DAWN - WSEC C405.2.6, EXCEPTION #1.
5. ALL PARKING LOT LIGHTS ARE TO ON FROM DUSK TO DAWN.

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04/04/2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
SEQUENCE OF OPERATION

SHEET
E6.22

JOB NO. 2170269.07

PERMIT/BID SET - 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

MECHANICAL EQUIPMENT ELEC CONNECTION SCHEDULE

		LOAD PROPERTIES		CIRCUIT PROPERTIES					RUN PROPERTIES								CONNECTION AND PROTECTION						
											WIRE PROPERTIES					STARTER TYPE/FURNISHED BY		DISCONNECT			DCT SMK DETECTOR FURN. BY	
UNIT	NO.	FLA	MCA	PANEL	CKT#	VOLTS	Ø	LOAD TO PANEL	# OF RUNS	C.	AWG-Cu	HOT	NEU	GR	AWG-Cu GR	MANUAL	MAGNETIC	NON-FUSED	FUSED	VFD		REMARKS
AC	1	0	20.1	1M4	1,3	208	1	4181 VA	1	3/4"	10	2	1	1	10	MFR	--	--	EC	--	--	1,3
AC	2	0	20.1	1M4	5,7	208	1	4181 VA	1	3/4"	10	2	1	1	10	MFR	--	--	EC	--	--	1,3
AC	3	0	13.5	1M4	9,11	208	1	2808 VA	1	3/4"	12	2	1	1	12	MFR	--	--	EC	--	--	1,3
AC	4	0	13.5	1M4	13,15	208	1	2808 VA	1	3/4"	12	2	1	1	12	MFR	--	--	EC	--	--	1,3
CF	1	0	0	1P8	32	120	1	22 VA	1	1/2"	12	1	1	1	12	EC	--	--	--	--	--	
CF	2	0	0	1P8	32	120	1	22 VA	1	1/2"	12	1	1	1	12	EC	--	--	--	--	--	
CF	3	0	0	1P8	32	120	1	22 VA	1	1/2"	12	1	1	1	12	EC	--	--	--	--	--	
CF	4	0	0	1P8	32	120	1	22 VA	1	1/2"	12	1	1	1	12	EC	--	--	--	--	--	
CP	1	4.4	4.4	1M4	6,8	208	1	1000 VA	1	3/4"	12	2	1	1	12	--	--	--	--	--	--	
DH	1	0	0	1P8	39	120	1	324 VA	1	3/4"	12	1	1	1	12	--	--	MFR	--	--	--	
DH	2	0	0	1P8	39	120	1	324 VA	1	1/2"	12	1	1	1	12	--	--	MFR	--	--	--	
DH	3	0	0	1P8	41	120	1	324 VA	1	3/4"	12	1	1	1	12	EC	--	MFR	--	--	--	
EF	3	7.8	0	1P8	34,36,38	208	3	2810 VA	1	1 1/4"	12	3	1	1	12	--	--	--	--	--	MC	
EWH	1	0	0	1P8	42	120	1	1000 VA	1	3/4"	12	1	1	1	12	--	--	MFR	--	--	--	
HP	2	0	43.9	1M3	1,3,5	480	3	36498 VA	1	3/4"	10	3	1	1	10	--	--	--	EC	--	MC	1,2
HWT	1	0	0	1M4	2,4	208	1	12200 VA	1	3/4"	4	2	1	1	8	MFR	--	EC	--	--	--	
IU	1	0	1	1M4	1,3	208	1	208 VA	1	3/4"	10	2	1	1	10	MFR	--	EC	--	--	--	3
IU	2	0	1	1M4	5,7	208	1	208 VA	1	3/4"	10	2	1	1	10	MFR	--	EC	--	--	--	3
IU	3	0	1	1M4	9,11	208	1	208 VA	1	3/4"	10	2	1	1	10	MFR	--	EC	--	--	--	3
IU	4	0	1	1M4	13,15	208	1	208 VA	1	3/4"	10	2	1	1	10	--	--	EC	--	--	--	3
VAV	105	0	0	1M2	19,21,23	480	3	18690 VA	1	3/4"	10	3	1	1	10	--	--	--	EC	MFR	--	1,4
VAV	115	0	0	1M2	8,10,12	480	3	14200 VA	1	3/4"	10	3	1	1	10	--	--	--	EC	MFR	--	1,4
VAV	137	0	0	1M3	2,4,6	480	3	8200 VA	1	3/4"	12	3	1	1	12	--	--	--	EC	MFR	--	1,4
VAV	149	0	0	1M3	7,9,11	480	3	4500 VA	1	3/4"	12	3	1	1	12	--	--	--	EC	MFR	--	1,4
VAV	150	0	0	1M3	8,10,12	480	3	9200 VA	1	3/4"	12	3	1	1	12	--	--	--	EC	MFR	--	1,4
VAV	151	0	0	1M3	13,15,17	480	3	12200 VA	1	3/4"	12	3	1	1	12	--	--	--	EC	MFR	--	1,4
VAV	152	6.1	0	1M3	14,16,18	480	3	12200 VA	1	3/4"	12	3	1	1	12	--	--	--	EC	MFR	--	1,4

ADD 001
ADD 001

1. INSTALL FUSES SIZED FOR THE EQUIPMENT PROVIDED
2. SUPPLY AND RETURN DUCT SMOKE DETECTORS TO BE FURNISHED BY THE MC AND INSTALLED BY THE EC.
3. EC TO PROVIDE AND INSTALL POWER WIRING AND CONDUIT BETWEEN INDOOR AND OUTDOOR UNITS. CC TO INSTALL CONTROL WIRING BETWEEN UNITS. IF SUBMITTED EQUIPMENT REQUIRES A MULTI-CONDUCTOR CABLE FOR BOTH POWER AND CONTROLS, THE EC SHALL INSTALL CONDUIT AND WIRING BETWEEN UNITS. COORDINATE WITH THE CC/MC FOR TERMINATION OF POWER AND CONTROLS WIRING.
4. EC TO PROVIDE 120V, 20A CIRCUIT FOR CONTROL POWER. EACH CIRCUIT SHALL POWER UP TO 20 CONTROLLERS. SEE SHEET E3.11 FOR ADDITIONAL INFORMATION.

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
MECHANICAL EQUIPMENT CONNECTION SCHEDULE

SHEET
E6.31

JOB NO. 2170269.07

Permit/Bid Set 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

SYSTEMS LEGEND

SYMBOL	DESCRIPTION
	NETWORK INFRASTRUCTURE
C #	TELECOMMUNICATIONS OUTLET - WALL MOUNT WITH (2) ACTIVE DATA PORTS AND (2) CAT6 CABLES (4/S BOX WITH SINGLE-GANG MUDRING AND COVER PLATE) WITH ONE (1) 1" CONDUIT TO ACCESSIBLE CEILING SPACE, MOUNT AT +18" AFF UNLESS NOTED OTHERWISE. ("C" INDICATES ABOVE COUNTER, "TV" INDICATES (1) CAT6 AND (1) COAX CONNECTION, MOUNT AT MONITOR HEIGHT (SEE DETAIL 4 ON SHEET T5.11 FOR MORE INFORMATION)) (# INDICATES QUANTITY OF DATA PORTS AND CABLES, IF DIFFERENT THAN 2). REVIEW THE SITE PLANS, FLOOR PLANS, DETAIL SHEETS AND RISER DIAGRAMS FOR ADDITIONAL INFORMATION.
	WIRELESS ACCESS POINT (WAP) TELECOMMUNICATIONS OUTLET - CEILING MOUNT. PROVIDE (2) CAT6A CABLES TO THE JUNCTION BOX ABOVE ACCESSIBLE CEILING. SEE THE TELECOMMUNICATIONS DETAILS FOR ADDITIONAL REQUIREMENTS.
WAP	WIRELESS ACCESS POINT (WAP) TELECOMMUNICATIONS OUTLET - WALL MOUNT AT +9'-0" AFF, UNLESS NOTED OTHERWISE. PROVIDE (2) ACTIVE DATA PORTS AND (2) CAT6A CABLES (4/S BOX WITH SINGLE-GANG MUDRING AND COVER PLATE) WITH ONE (1) 1" CONDUIT TO ACCESSIBLE CEILING SPACE. SEE THE TELECOMMUNICATIONS DETAILS FOR ADDITIONAL REQUIREMENTS.
#	COMBINATION FLOOR BOX. FOURPLEX RECEPTACLE AND DATA JUNCTION BOX WITH (1) SEPARATE 1-1/4" CONDUIT FOR TELECOMMUNICATIONS OUTLET ROUTED UP TO THE ACCESSIBLE CEILING SPACE, UNLESS NOTED OTHERWISE. MAINTAIN THE TELECOMMUNICATIONS OUTLET REQUIREMENTS. FLOOR BOXES ON THE GROUND FLOOR SHALL HAVE WET LOCATION RATED DATA CABLES ROUTED DIRECTLY TO THE TELECOMMUNICATIONS ROOM UNDER SLAB. COORDINATE WITH ARCHITECT PRIOR TO ROUGH-IN. SEE FLOOR PLANS FOR LOCATIONS WITH ADDITIONAL AUDIO VISUAL CONDUIT REQUIREMENTS.
	TELECOMMUNICATIONS TELEPHONE OUTLET - WALL MOUNT WITH (1) PHONE JACK AND (1) CAT6 CABLE (4/S BOX WITH SINGLE GANG MUDRING AND STAINLESS STEEL COVER PLATE WITH MOUNTING STUDS FOR WALL MOUNT TELEPHONE) WITH (1) 1" CONDUIT TO ACCESSIBLE CEILING SPACE. MOUNT AT +48" AFF, UNLESS NOTED OTHERWISE.
	CABLE TRAY - LADDER STYLE - SIZE AS SHOWN ON THE FLOOR PLANS
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BAR - WALL MOUNT AT HEIGHT SHOWN
TGB	TELECOMMUNICATIONS GROUNDING BAR - WALL MOUNT AT HEIGHT SHOWN
	DOUBLE SIDED VERTICAL CABLE MANAGEMENT
	SINGLE SIDED VERTICAL CABLE MANAGEMENT
RD	RADIO CONNECTION PLATE - WALL MOUNT 4/S BOX WITH DOUBLE-GANG MUDRING AND (1) 1-1/4" CONDUIT TO ACCESSIBLE CEILING SPACE, MOUNT AT COUNTER HEIGHT UNLESS NOTED OTHERWISE. COAXIAL CABLING AND CONNECTIONS SHALL BE OFOI.
	ANTENNA SYSTEMS
DAS	EMERGENCY RESPONDER DAS HEAD END LOCATION. PROVIDE HEAD END AND DISTRIBUTION EQUIPMENT/ INFRASTRUCTURE AS SPECIFIED.
CELL	CELLULAR ENHANCEMENT DAS HEAD END LOCATION. PROVIDE HEAD END AND DISTRIBUTION EQUIPMENT/ INFRASTRUCTURE AS SPECIFIED.
	PAGING SYSTEM
#S	PAGING LOUDSPEAKER ASSEMBLY - CEILING MOUNT ("#" INDICATES PAGING ZONE).
#SH	PAGING LOUDSPEAKER ASSEMBLY - WALL MOUNT AT 8'-0" TO THE CENTER OF THE DEVICE UNLESS NOTED OTHERWISE ("#" INDICATES PAGING ZONE).
PM	PAGING MICROPHONE - PROVIDE SINGLE-GANG BACK BOX WITH GROMMET PASS-THRU PLATE AT +18" FOR CABLE ROUTING DESKTOP MICROPHONE.
V	VOLUME CONTROL - PROVIDE SINGLE-GANG BOX AT +48" AFF WITH (1) 1"C. TO ACCESSIBLE CEILING SPACE. VOLUME CONTROLS SHALL MANAGE VOLUME OF THE PAGING SPEAKERS LOCATED WITHIN THE SAME ROOM.
	EQUIPMENT AND WIRING
	RACEWAY CONCEALED IN WALL OR CEILING
	RACEWAY CONCEALED UNDERGROUND OR UNDER FLOOR SLAB
	GROUNDING SYSTEM PER CODE
J	JUNCTION BOX - SIZE PER CODE (F INDICATES FIRE ALARM SYSTEM)
	4-POST 19" RACK (ARROW INDICATES AIRFLOW AT FRONT OF RACK)
	2-POST 19" RACK (ARROW INDICATES AIRFLOW AT FRONT OF RACK)
	SERVER ENCLOSURE (ARROW INDICATES AIRFLOR AT FRONT OF ENCLOSURE)
	MINI-SERVER ENCLOSURE (ARROW INDICATES AIRFLOR AT FRONT OF ENCLOSURE)
	AUDIO VISUAL SYSTEMS
AF#	AV FLOORBOX OUTLET - PROVIDE SINGLE-GANG FACEPLATE IN POWER/DATA FLOOR BOX. PROVIDE (1) 1-1/4"C. FOR AV CABLING FROM FLOOR BOX TO AV EQUIPMENT RACK. ('#' INDICATES NUMBER OF AV CAT6 CONNECTION PER OUTLET)
AW#	AV WALLPLATE OUTLET - PROVIDE 4/S BACK BOX WITH (1) 1-1/4"C. TO ACCESSIBLE CEILING SPACE. ('#' INDICATES NUMBER OF AV CAT6 CONNECTION PER OUTLET)
AWO	AV OUTPUT WALL PLATE. PROVIDE 4/S BACK BOX WITH (1) 1-1/4"C. TO ACCESSIBLE CEILING SPACE.
AWH	AV HDMI INPUT AT +18" AFF WITH 5/S BACK BOX AND 1-1/4"C. TO ACCESSIBLE CEILING SPACE. PROVIDE SINGLE-GANG PASSIVE HDMI PLATE CONNECTION WITH HDMI CABLE TO MONITOR WITHIN THE ROOM.
AFC	AV FLOOR BOX - CONFERENCE ROOMS - PROVIDE SINGLE-GANG FACEPLATE IN POWER/DATA FLOOR BOX. PROVIDE (1) 1-1/4"C. FOR AV CABLING FROM FLOOR BOX TO MONITOR BACK BOX.
CP1	WALL MOUNT TOUCH SCREEN CONTROL PANEL - WALL MOUNT AT +48" AFF. PROVIDE MANUFACTURER RECOMMENDED BACK BOX WITH (1) 1"C. TO ACCESSIBLE CEILING SPACE.
*S AV	SPEAKER - CEILING MOUNT
* M##	MONITOR LOCATION - WALL MOUNT ('##' INDICATES MONITOR SIZE). PROVIDE 5/S BOX (UNLESS NOTED OTHERWISE) WITH CABLE PASSTHROUGH AND (1) 1-1/4" C. TO ACCESSIBLE CEILING SPACE. PROVIDE ADDITIONAL CONDUIT TO FLOOR BOX AS NECESSARY. PROVIDE FIXED WALL MOUNT BRACKET AS SPECIFIED FOR ALL MONITOR LOCATIONS (UNLESS NOTED OTHERWISE IE ARTICULATING MOUNT LOCATIONS). SEE PLANS AND ELEVATIONS FOR HEIGHTS AND LOCATIONS.
*M	CEILING MOUNT MICROPHONE ARRAY
M	GOOSENECK DANTE MICROPHONE - FREE STANDING ON LECTERN
LCT	PRESENTATION LECTERN WITH INTEGRAL EQUIPMENT RACKING. SHOWN FOR REFERENCE ONLY - PROVIDED BY OTHERS.
C	CEILING MOUNT PTZ CAMERA
UCM	USB CONFERENCING CAMERA/MICROPHONE
NI1	NETWORK INTERFACE 1 - Q-SYS NV-21-HU - SURFACE MOUNTED BEHIND MONITOR OR FREE STANDING AT FURNITURE/ EQUIPMENT RACK.
NI2	NETWORK INTERFACE 2 - Q-SYS NV-32-H - SURFACE MOUNTED BEHIND MONITOR OR FREE STANDING AT FURNITURE/ EQUIPMENT RACK.
M	CEILING MOUNT WIRELESS MICROPHONE RECEIVER ANTENNA
A	CEILING MOUNT ASSISTED LISTENING TRANSMITTER ANTENNA
CPR	CONTROL PANEL ROOM SCHEDULER - PROVIDE (1) CAT6 CABLE AND DATA CONNECTION FOR EACH LOCATION BY DIV. 27 20 00. WALL MOUNT AT +48" AFF. PROVIDE MANUFACTURER RECOMMENDED BACK BOX WITH (1) 1"C. TO ACCESSIBLE CEILING SPACE.
*	SEE DIV 27 41 00 AND 27 41 16 FOR EXACT EQUIPMENT SPECIFICATIONS FOR EACH ROOM/SYSTEM.

SYMBOL	DESCRIPTION
	ACCESS CONTROL SYSTEM
ACP	ACCESS CONTROL PANEL
ACPS	ACCESS CONTROL POWER SUPPLY
CR	PROXIMITY CARD READER - WALL MOUNT TO SINGLE-GANG BOX FLUSH TO WALL SURFACE. SEE ARCHITECTURAL FOR MOUNTING HEIGHT. 'M' INDICATES MULLION MOUNT STYLE READER. 'KP' INDICATES CARD READER WITH INTEGRAL KEYPAD.
D	DOOR POSITION SWITCH (A DPDT SHALL BE PROVIDED AT EACH LOCATION SHOWN [FOR BOTH THE INTRUSION ALARM SYSTEM AND ACCESS CONTROL SYSTEM]). PROVIDED AND INSTALLED BY THE INTRUSION ALARM SYSTEM INSTALLING VENDOR. COORDINATE WITH ALL TRADES, AS REQUIRED.
**ED	ELECTRIFIED DOOR HARDWARE - SEE DIV. 8 FOR EXACT EQUIPMENT AT EACH LOCATION. PROVIDE CONDUIT THROUGH DOOR FRAME TO HARDWARE AS NECESSARY FOR EACH LOCATION.
**REX	REQUEST TO EXIT MOTION SENSOR - INTEGRAL TO ELECTRIFIED DOOR HARDWARE
**	PROVIDED BY DIVISION 8. SEE THE ACCESS CONTROL SYSTEM DETAILS, AND ARCHITECTURAL DOOR HARDWARE SCHEDULE FOR MORE INFORMATION.
ICD	2-WAY AUDIO/VIDEO INTERCOM DOOR STATION - WALL MOUNT AT +48" TO TOP. PROVIDE MANUFACTURER RECOMMENDED BACK BOX WITH (1) 1"C. TO ACCESSIBLE CEILING SPACE. PROVIDE (1) CAT6 CABLE AND DATA JACK FOR CONNECTION TO DEVICE. PROVIDE INTERFACE AS NECESSARY FOR DOOR RELEASE FUNCTIONALITY FROM MASTER STATION.
ICM	2-WAY AUDIO/VIDEO INTERCOM MASTER STATION - SURFACE MOUNT AT DESK LOCATIONS. PROVIDE (1) CAT6 CABLE AND DATA JACK FOR CONNECTION TO DEVICE.
ELD	ELECTRONIC LOCKDOWN BUTTON - WALL MOUNT AT +48" AFF TO TOP. PROVIDE 4S BACK BOX WITH SINGLE GANG MUDRING WITH CLEAR LEXAN COVER AND (1) 3/4" C. TO THE NEAREST ACCESSIBLE CEILING.
DR	DOOR RELEASE - PROVIDE SINGLE GANG BACK BOX AND (1) 1/2"C. TO ACCESSIBLE CEILING. COORDINATE WITH FURNITURE INSTALLER FOR DESK INTEGRATION.
PB	PANIC BUTTON WITH CUSTOM TEXT LABEL - PROVIDE 4S BACK BOX WITH SINGLE GANG MUDRING AND (1) 3/4"C. TO THE NEAREST ACCESSIBLE CEILING.
EM	OPTICOM EMITTER - MOUNTED TO TOP OF GATE POST. SEE DETAILS FOR ADDITIONAL INFORMATION.
PS	OPTICOM PHASE SELECTOR - MOUNTED IN SITE ENCLOSURE. SEE DETAILS FOR ADDITIONAL INFORMATION.
RC	OPTICOM RACK CARD - MOUNTED IN SITE ENCLOSURE. SEE DETAILS FOR ADDITIONAL INFORMATION.
ENC	SYSTEMS SITE ENCLOSURE - MOUNTED TO UNISTRUT FRAME. SEE DETAILS FOR ADDITIONAL INFORMATION.
	INTRUSION ALARM SYSTEM
IACP	INTRUSION ALARM CONTROL PANEL
IAPS	INTRUSION ALARM POWER SUPPLY
KP	KEY PAD - WALL MOUNT AT 54" AFF, UNLESS NOTED OTHERWISE - PROVIDE SINGLE-GANG BACKBOX WITH SINGLE-GANG BLANK COVER PLATE, WITH (1) 1"C TO ACCESSIBLE CEILING SPACE.
MS	MOTION SENSOR - WALL MOUNT IN THE CORNER AT +108" AFF, UNLESS OTHERWISE NOTED (LR INDICATES LONG RANGE BEAM). PROVIDE SINGLE-GANG BACKBOX WITH SINGLE-GANG BLANK COVER PLATE, WITH (1) 1"C. TO ACCESSIBLE CEILING SPACE.
D	DOOR POSITION SWITCH (A DPDT SHALL BE PROVIDED AT EACH LOCATION SHOWN [FOR BOTH THE INTRUSION ALARM SYSTEM AND ACCESS CONTROL SYSTEM]). PROVIDED AND INSTALLED BY THE INTRUSION ALARM SYSTEM INSTALLING. COORDINATE WITH ALL TRADES AS REQUIRED.
GB	GLASS BREAK DETECTOR - WALL MOUNT AT +108" AFF, UNLESS NOTED OTHERWISE. PROVIDE SINGLE-GANG BACKBOX WITH SINGLE-GANG BLANK COVER PLATE, WITH (1) 1"C. TO ACCESSIBLE CEILING SPACE.
	CCTV SYSTEM
A600 OFCI	CCTV CAMERA - CORNER MOUNT. SEE THE CCTV SYSTEM MATRIX, RISER DIAGRAM, MOUNTING DETAILS, AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. PROVIDE ONE (1) CAT 6 TELECOM OUTLET FOR EACH CAMERA. ARROWS REPRESENT GENERAL COVERAGE PATTERNS.
A600 OFCI	CCTV CAMERA - WALL MOUNT. SEE THE CCTV SYSTEM MATRIX, RISER DIAGRAM, MOUNTING DETAILS, AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. PROVIDE ONE (1) CAT 6 TELECOM OUTLET FOR EACH CAMERA. ARROWS REPRESENT GENERAL COVERAGE PATTERNS.
A600 OFCI	CCTV CAMERA - CEILING MOUNT. SEE THE CCTV SYSTEM MATRIX, RISER DIAGRAM, MOUNTING DETAILS, AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. PROVIDE ONE (1) CAT 6 TELECOM OUTLET FOR EACH CAMERA. ARROWS REPRESENT GENERAL COVERAGE PATTERNS.
	INTERVIEW SYSTEM
IB	INTERVIEW BOX ROUGH-IN - PROVIDE SINGLE-GANG BACK BOX WITH (1) 1"C. AND PULL STRING TO ACCESSIBLE CEILING SPACE. WALL MOUNT AT HEIGHT SHOWN ON PLANS. INTERVIEW ROOM SYSTEM SHALL BE OFOI.
IE	INTERVIEW ENCLOSURE ROUGH-IN - PROVIDE RECESSED BACK BOX, MINIMUM 12"X12"X4" WITH HINGED LOCKABLE COVER. PROVIDE CUSTOM INTERNAL MOUNTING PLATE WITH A BLANK SINGLE-GANG KNOCKOUT PLATE FOR INSTALLATION OF OWNER PROVIDED INTERVIEW ROOM CONTROL SWITCH (SINGLE-GANG DEVICE TO INSTALL DIRECTLY TO MOUNTING PLATE AND ALL FUTURE CABLING MUST CONCEALED BEHIND PLATE. BASIS OF DESIGN FOR WALL BOX IS FSR MODEL # WB-X2 WITH WB-X2-CVR-BLK COVER OR APPROVED EQUAL. PROVIDE (1) 1"C. AND PULL STRING TO ACCESSIBLE CEILING SPACE. WALL MOUNT AT +48"AFF. INTERVIEW ROOM SYSTEM SHALL BE OFOI.
	MISCELLANEOUS
1	CONSTRUCTION NOTES
1	DEMOLITION NOTES
101	DOOR NUMBER
1 SIM / A101	DETAIL CALL OUT - "1" INDICATES DETAIL IDENTIFICATION, "A101" INDICATES SHEET DRAWN ON
	ALL DEVICES WITH LIGHT LINE WEIGHT INDICATES EXISTING TO BE RETAINED
	ALL DEVICES WITH DASH LINE INDICATES EXISTING TO BE REMOVED
	FIRE RATED WALL - ALL PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE MADE WITH A UL LISTED MECHANICAL ASSEMBLY (STI FIRESTOP E.Z. PATH OR APPROVED EQUAL) PROVIDED WITH 50% SPARE CAPACITY, EXCEPT WHERE CONDUIT SLEEVES ARE SPECIFICALLY SHOWN.
	ELECTRICAL POWER PANELS SHOWN FOR REFERENCE ON SYSTEMS DRAWINGS

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BAS	BUILDING AUTOMATION SYSTEM
BCT	BONDING CONDUCTOR FOR TELECOMMUNICATIONS
BET	BUILDING ENTRANCE TERMINAL
BMS	BUILDING MANAGEMENT SYSTEM
BOT	BOTTOM OF TRAY
C	MOUNT ABOVE COUNTER
C.	CONDUIT
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CO	CONDUIT ONLY
CU	COPPER
DDC	DIRECT DIGITAL CONTROL
EC	ELECTRICAL CONTRACTOR
EF	TELECOMMUNICATIONS ENTRANCE FACILITY (MDF)
ER	TELECOMMUNICATIONS EQUIPMENT ROOM (MDF)
FOC	FIBER OPTIC CABLE
G	GROUND FAULT
GC	GENERAL CONTRACTOR
GE	GROUNDING EQUALIZER
GEC	GROUNDING ELECTRODE CONDUCTOR
GFGI	GOVERNMENT FURNISHED, GOVERNMENT INSTALLED
GR	GROUND
HSS	HIGH SECURITY SWITCH
IDF	INTERMEDIATE DISTRIBUTION FRAME (TR/TE)
LIU	LIGHT INTERFACE UNIT (INCLUDES FIBER SPLICE TRAY AND PATCH PANEL)
MDF	MAIN DISTRIBUTION FRAME (ER/EF)
MM	MULTI MODE (FOC)
REQ'D	REQUIRED
SBG	SUPPLEMENTARY BONDING GRID
SM	SINGLE MODE (FOC)
SPD	SURGE PROTECTIVE DEVICE
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TE	TELECOMMUNICATIONS ENCLOSURE (IDF)
TGB	TELECOMMUNICATIONS GROUNDING BUS BAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUS BAR
TR	TELECOMMUNICATIONS ROOM (IDF)
UC	UNDER COUNTER
UG	UNDERGROUND
W	WEATHERPROOF (PROVIDE WEATHERPROOF COVER/DEVICE WHERE SHOWN ON PLANS)
WAP	WIRELESS ACCESS POINT
WG	WIRE GUARD (PROVIDE ON DEVICES WHERE SHOWN ON PLANS)
XMFR	TRANSFORMER

GENERAL NOTES

1. REVIEW ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF AREAS WITH ACCESSIBLE CEILING SPACES, HARD LID CEILINGS, AND AREAS WITH CEILINGS THAT ARE OPEN TO STRUCTURE. PROVIDE SURFACE-MOUNTED DEVICES AND THEIR RELATED SURFACE MOUNT BACK BOXES IN AREAS WITH CEILINGS THAT ARE OPEN TO STRUCTURE. PAINT EACH BACKBOX TO MATCH THE ADJACENT SURFACE.
2. ROOMS AND/OR AREAS WITH EXPOSED CEILINGS SHALL HAVE ALL CABLES ROUTED IN CONDUIT. CONDUIT SHALL BE TIGHT TO STRUCTURE, ROUTED PARALLEL AND ADJACENT TO STRUCTURE, AND SHALL BE PAINTED TO MATCH ADJACENT SURFACE. SURFACE MOUNTED CONDUITS SHALL NOT BE UTILIZED IN OCCUPIED SPACES.
3. FIRE WALLS SHOWN ARE DIAGRAMMATIC, REFER TO FINAL ARCHITECTURAL DRAWINGS FOR RATED WALLS, AND PROVIDE FIRE RATED PENETRATIONS FOR ALL CABLES TRANSITIONING THROUGH RATED WALLS. EC SHALL FIRE SEAL AROUND ALL CONDUITS PENETRATING THROUGH FLOORS, ROOF, AND FIRE RATED WALLS.
4. WHERE OPEN CABLING IS PERMITTED BY CODE, EACH LOW VOLTAGE SYSTEM SHALL HAVE THEIR CABLES SUSPENDED SEPARATE FROM OTHER LOW VOLTAGE SYSTEMS (I.E. FIRE ALARM CABLES IN ONE J-HOOK, INTRUSION ALARM IN ANOTHER J-HOOK, AND SO ON). ALL CABLES MUST BE ROUTED IN CONDUIT IN AREAS WITH EXPOSED CEILINGS.
5. ALL OUTLETS, SWITCHES AND DEVICES MOUNTED BACK TO BACK IN A WALL, MUST LOCATED IN SEPARATE STUD BAYS, OR FURNISHED WITH SOUND ATTENUATING MATERIAL AROUND THE BOX TO MEET ACOUSTICAL REQUIREMENTS.
6. ALL TYPICAL DEVICES SHALL BE MOUNTED AT CONSISTENT LOCATIONS AND HEIGHTS THROUGHOUT THIS PROJECT, UNLESS NOTED OTHERWISE.
7. SEE THE SITE PLANS FOR ADDITIONAL WORK.
8. CAMERAS SHALL BE LOCATED AS SUCH TO AVOID RESTRICTING THE CAMERAS FIELD OF VIEW FROM: EXIT SIGNS, LIGHTING, DOOR HEADERS, BUILDING FEATURES, BANNERS, OR OTHER (ART) ITEMS HANGING FROM THE CEILING. COORDINATE WITH ALL TRADES AS REQUIRED PRIOR TO ROUGH-IN.
9. SEE THE ACCESS CONTROL SYSTEM RISER DIAGRAM, RELATED DETAIL SHEETS, AND THE ELECTRICAL LEGEND, FOR EQUIPMENT THAT IS NOT SHOWN ON THE FLOOR PLANS, BUT SHALL BE PROVIDED AND INSTALLED FOR THIS PROJECT.
10. ALL TELECOMMUNICATIONS OUTLETS HORIZONTAL CABLING SHALL BE ROUTED TO THE CLOSEST TELECOMMUNICATIONS ROOM AS REQUIRED BY SECTION 272000.
11. ALL TELECOMMUNICATION CABLING MUST BE PLENUM RATED..
12. REVIEW ALL EXTERIOR MOUNTED EQUIPMENT FOR AIR BARRIER PENETRATIONS. SEE ARCHITECTURAL DETAILS FOR REQUIREMENTS ON MAINTAINING THE BUILDING'S ENVELOPE.
13. SEE ALL DETAIL SHEETS AND RISER DIAGRAMS FOR ADDITIONAL WORK REQUIRED BY SECTION 272000.
14. ALTERNATE #2A: PROVIDE CONDUIT FROM ABOVE THE CEILING SPACE WITH PULL STRINGS TO EACH DOOR IDENTIFIED. CONDUIT AND BACK BOX TO BE INCLUDED AS NECESSARY AS NECESSARY TO SUPPORT FUTURE INSTALLATION OF CARD READER ACCESS CONTROL SYSTEM. DOOR POSITION SWITCH, AND ELECTRIFIED DOOR HARDWARE AT THE FOLLOWING DOORS: B1006, B1007, B1008, A1013, A1014, A1015, A1016, A1017, A1018, A1024, A1025, A1026, A1027, A1028, A1029, A1032, A1033, A1034, A1036, A1039, A1040, A1041, A1042, A1043, A1044, A1045, A1046, A1047, A1048, A1049, A1050, A1051, A1052, A1053, A1054, A1055, A1059, A1060, A1079, A1080, A1081, A1082, A1083, A1084, A1085, A1086, A1087.
15. ALTERNATE # 2B: PROVIDE INFRASTRUCTURE FOR FULL INSTALLATION OF CARD READER ACCSES CONTROL SYSTEM, DOOR POSITION SWITCH, AND ELECTRIFIED DOOR HARDWARE FOR A FULLY FUNCTIONING SYSTEM AT THE FOLLOWING DOORS: B1006, B1007, B1008, A1013, A1014, A1015, A1016, A1017, A1018, A1024, A1025, A1026, A1027, A1028, A1029, A1032, A1033, A1034, A1036, A1039, A1040, A1041, A1042, A1043, A1044, A1045, A1046, A1047, A1048, A1049, A1050, A1051, A1052, A1053, A1054, A1055, A1059, A1060, A1079, A1080, A1081, A1082, A1083, A1084, A1085, A1086, A1087.

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
SYSTEMS LEGEND AND ABBREVIATIONS

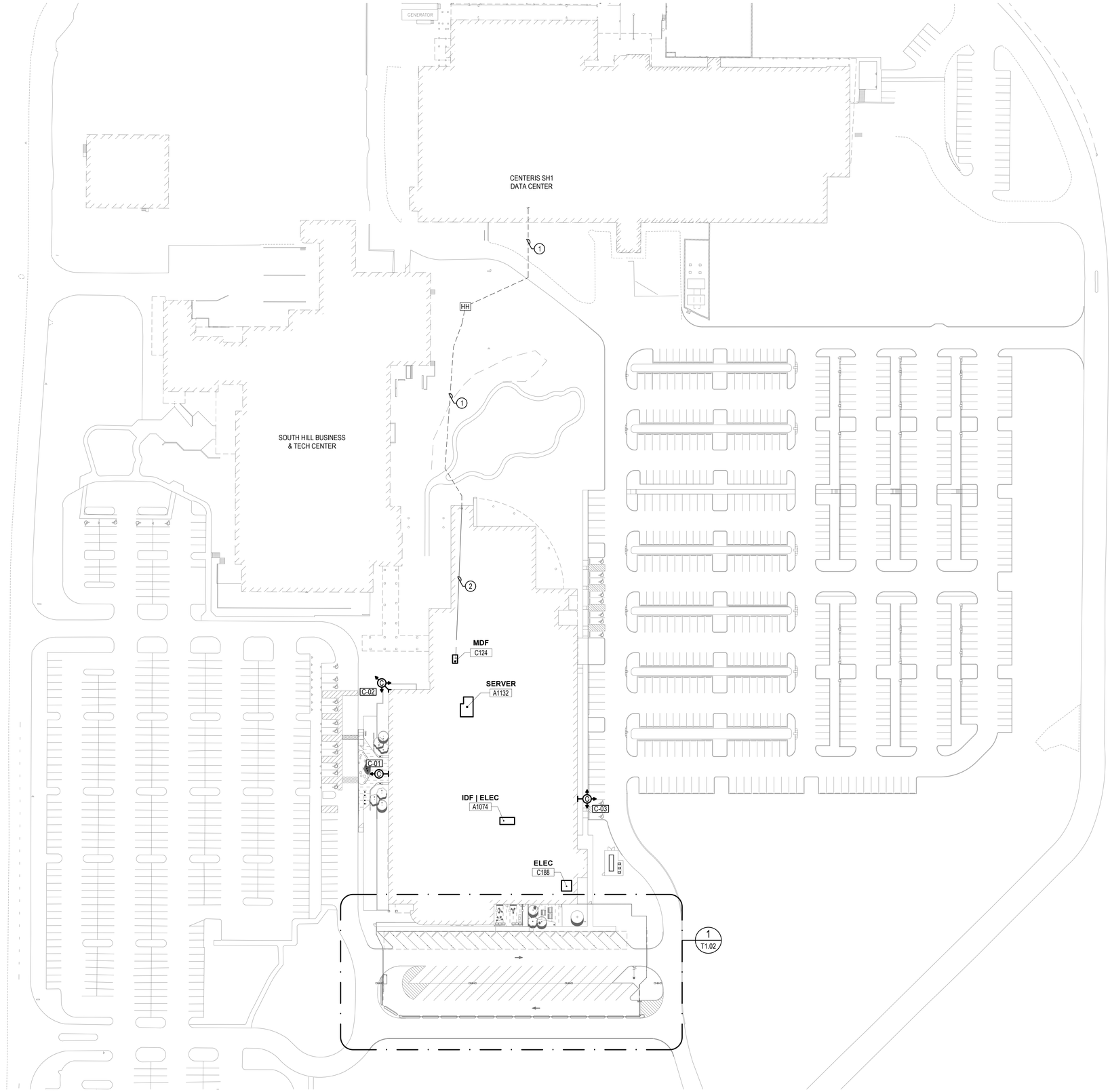
SHEET
T0.01

JOB NO. 2170269.07

Permit/Bid Set 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



1 SYSTEMS SITE PLAN
T1.01 1" = 50'-0"

GENERAL NOTES

1. SEE SHEET T5.13 DETAIL 1 FOR FIBER BACKBONE REQUIREMENTS.

CONSTRUCTION NOTES

1. EXISTING UNDERGROUND CONDUIT PATHWAY FOR FIBER ROUTING.
2. EXISTING INTERIOR CONDUIT PATHWAY FOR FIBER ROUTING.

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BENJAMIN R. BERLIN — STATE OF WASHINGTON — 24205 — REGISTERED PROFESSIONAL ENGINEER — 02/20/2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:

SYSTEMS SITE PLAN

SHEET

T1.01

JOB NO. **2170269.07**

PERMIT/BID SET - 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

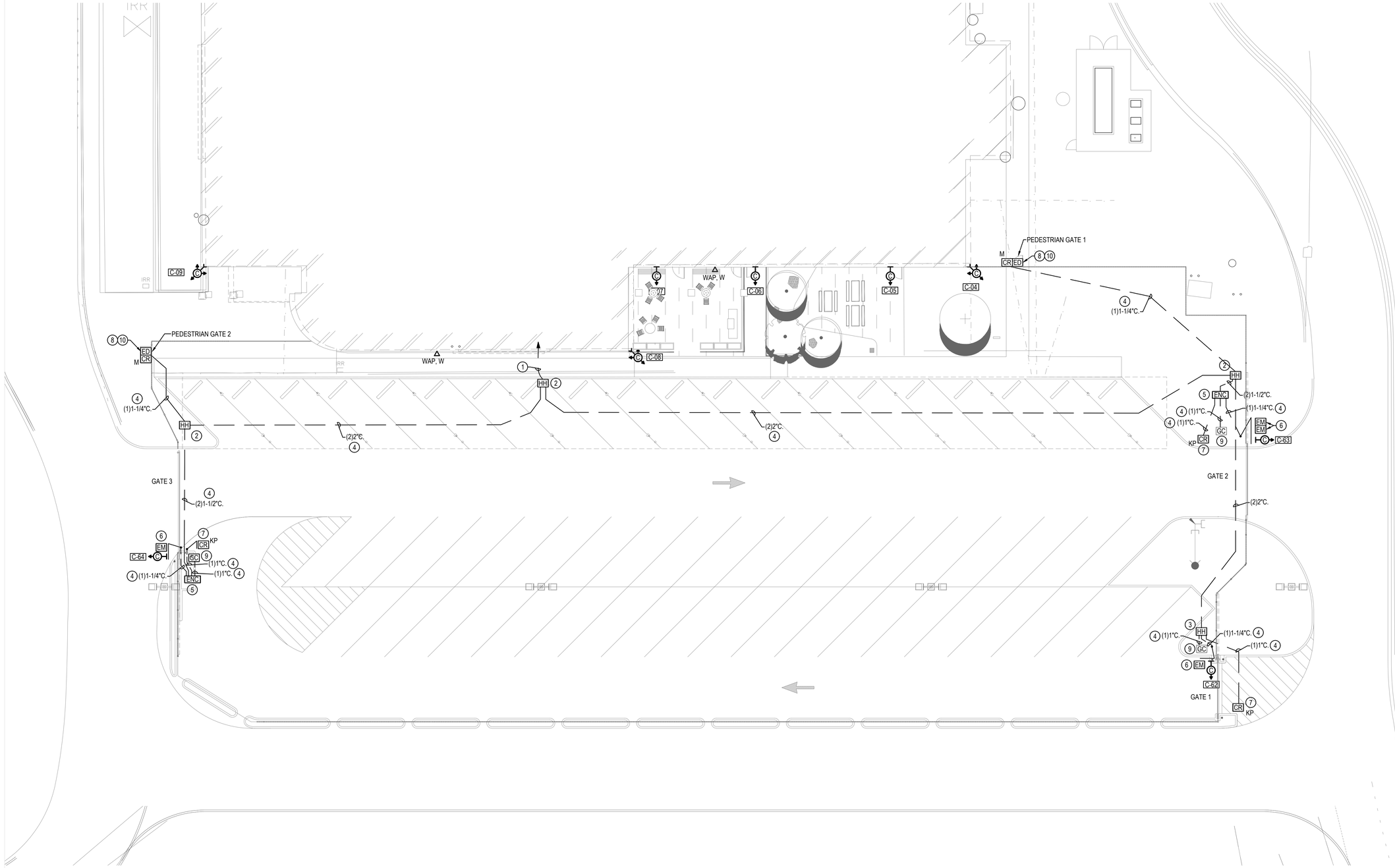
Building	Planning
Engineering	Public Works
Fire	Traffic

GENERAL NOTES

1. SEE SECURITY DETAIL SHEETS FOR ADDITIONAL INFORMATION ON SITE SECURITY GATE EQUIPMENT AND CABLING REQUIREMENTS.
2. SEE ARCHITECTURAL SITE PLANS FOR EXACT LOCATIONS OF GATE EQUIPMENT.

CONSTRUCTION NOTES

1. PROVIDE (3) 2"C. FOR LOW VOLTAGE CABLING TO SITE EQUIPMENT. ROUTE UP EXTERIOR OF BUILDING AND PENETRATE INTO ACCESSIBLE CEILING SPACE USING LB STYLE CONDUIT HOUSING.
2. PROVIDE FOGTITE 3030 HAND HOLE FOR LOW VOLTAGE.
3. PROVIDE FOGTITE J11 TYPE 2 HAND HOLE FOR LOW VOLTAGE.
4. PROVIDE UNDERGROUND CONDUIT, SIZE AND QUANTITY AS SHOWN. SEE DETAILS FOR ADDITIONAL INFORMATION ON TYPICAL CONDUIT ROUTING REQUIREMENTS.
5. SYSTEMS ENCLOSURE. MOUNTED TO PEDESTAL FRAME ON SLAB. SEE DETAILS FOR ADDITIONAL INFORMATION.
6. OPTICOM EMITTER (CFCI). MOUNT AT TOP OF HOLLOW METAL GATE POST.
7. PEDESTAL MOUNT CARD READER FOR GATE OPERATION. CARD READER AND PEDESETAL SHALL BE CFCI
8. CARD READER FOR PEDESTRIAN GATE. MOUNT CARD READERS TO GATE FRAME.
9. GATE CONTROLLER BY OTHERS.
10. PROVIDE ACCESS CONTROL CONNECTION TO ELECTRIFIED HARDWARE AT PEDESTRIAN GATE.



1 T1.02 SYSTEMS SITE PLAN - PARKING
1" = 12'-0"

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SHEET TITLE:

SYSTEMS ENLARGED SITE PLAN

SHEET

T1.02

JOB NO. 2170269.07

PERMIT/BID SET - 03.04.2025

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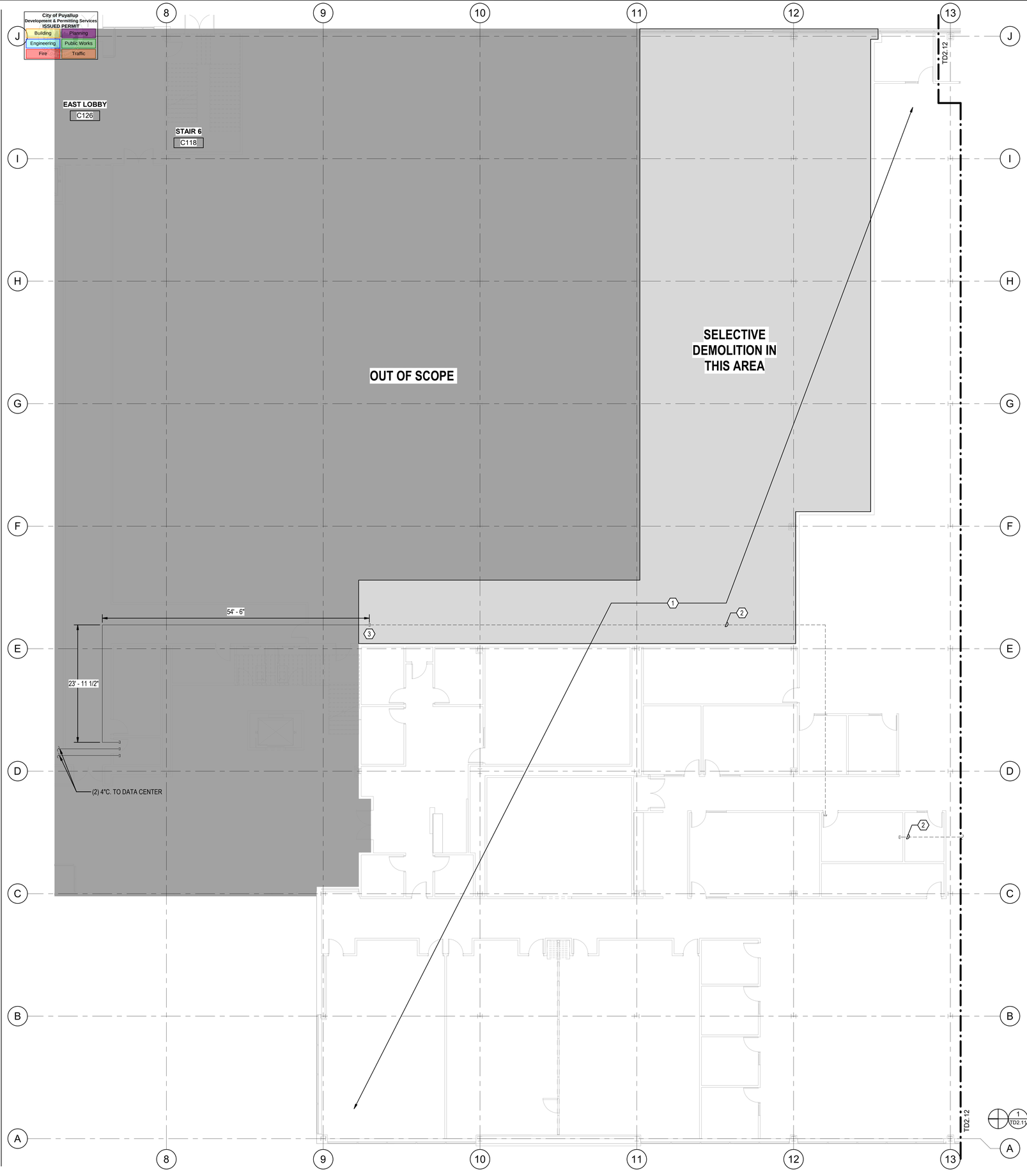
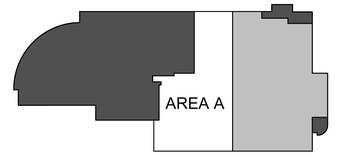


DEMOLITION NOTES

1. ALL EXISTING LOW VOLTAGE EQUIPMENT AND CABLING WITHIN THIS ARE SHALL BE DEMOLISHED (WITH THE EXCEPTION OF FIRE ALARM - SEE FIRE ALARM PLANS FOR SPECIFIC DEMO REQUIREMENTS).
2. DEMO EXISTING 4"CONDUIT FOR FIBER AND COPPER BACKBONE.
3. CUT EXISTING 4" CONDUIT AT THIS LOCATION AND MAINTAIN FOR NEW FIBER AND COPPER BACKBONE FROM BUILDING MDF TO NEW SERVER ROOM SERVER. PROVIDE NEW BUSHING ON CONDUIT END.

1 / TD2.11 SYSTEMS DEMOLITION PLAN - AREA A
1/8" = 1'-0"

KEY PLAN



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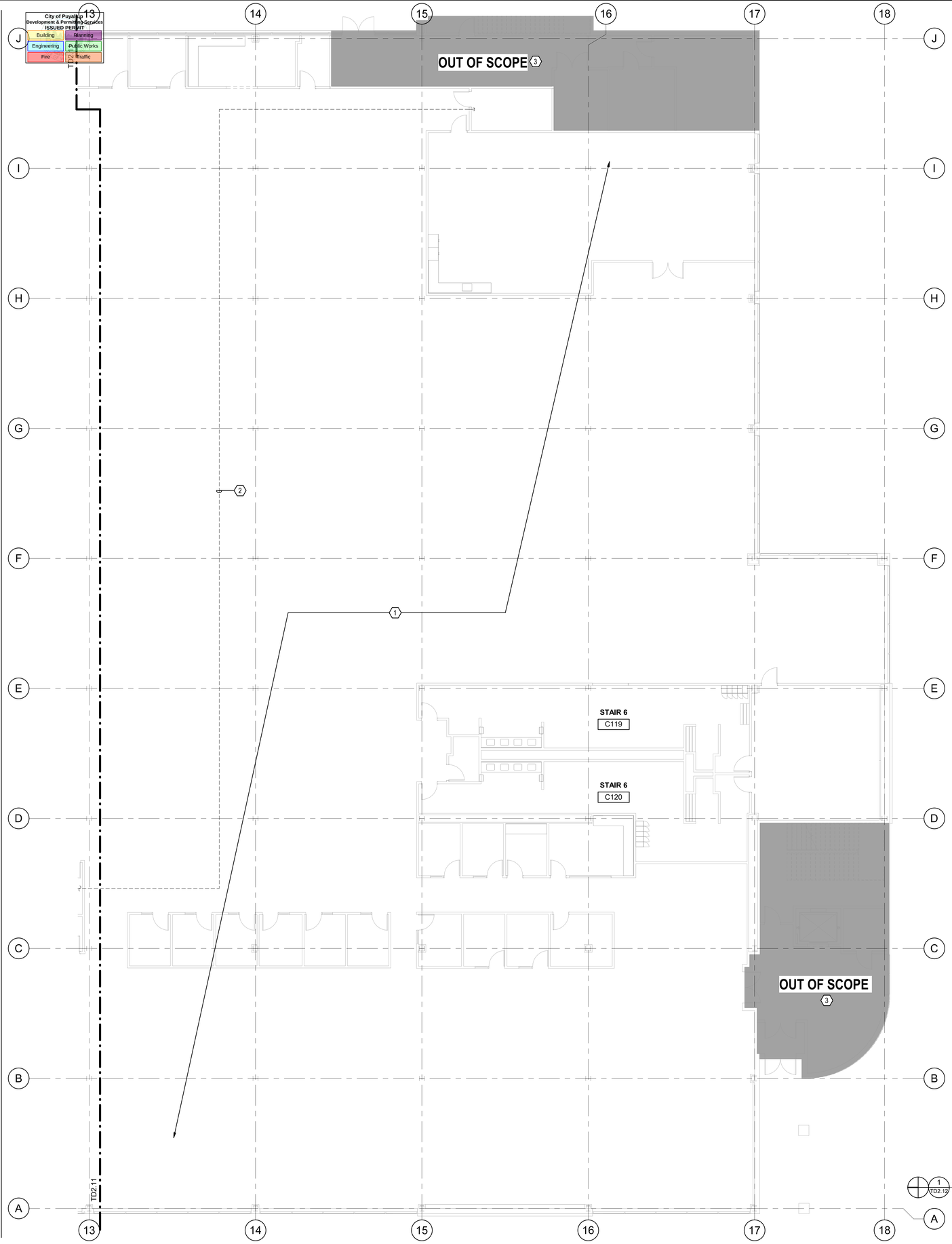
SHEET TITLE:
SYSTEMS DEMOLITION PLAN - AREA A

SHEET
TD2.11

JOB NO. **2170269.07**

PERMIT/BID SET - 03.04.2025



1 TD2.12 SYSTEMS DEMOLITION PLAN - AREA B
1/8" = 1'-0"

DEMOLITION NOTES

1. ALL EXISTING LOW VOLTAGE EQUIPMENT AND CABLING WITHIN THIS ARE SHALL BE DEMOLISHED (WITH THE EXCEPTION OF FIRE ALARM - SEE FIRE ALARM PLANS FOR SPECIFIC DEMO REQUIREMENTS).
2. DEMO EXISTING 4"CONDUIT FOR FIBER AND COPPER BACKBONE.
3. ALL EXISTING BENNAROYA TELECOM AND SECURITY EQUIPMENT AND CONNECTIONS WITHIN THIS SPACE MUST REMAIN IN PLACE AND OPERATIONAL.

KEY PLAN

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SHEET TITLE:
SYSTEMS DEMOLITION PLAN - AREA B

SHEET
TD2.12

JOB NO. 2170269.07

PERMIT/BID SET - 03.04.2025

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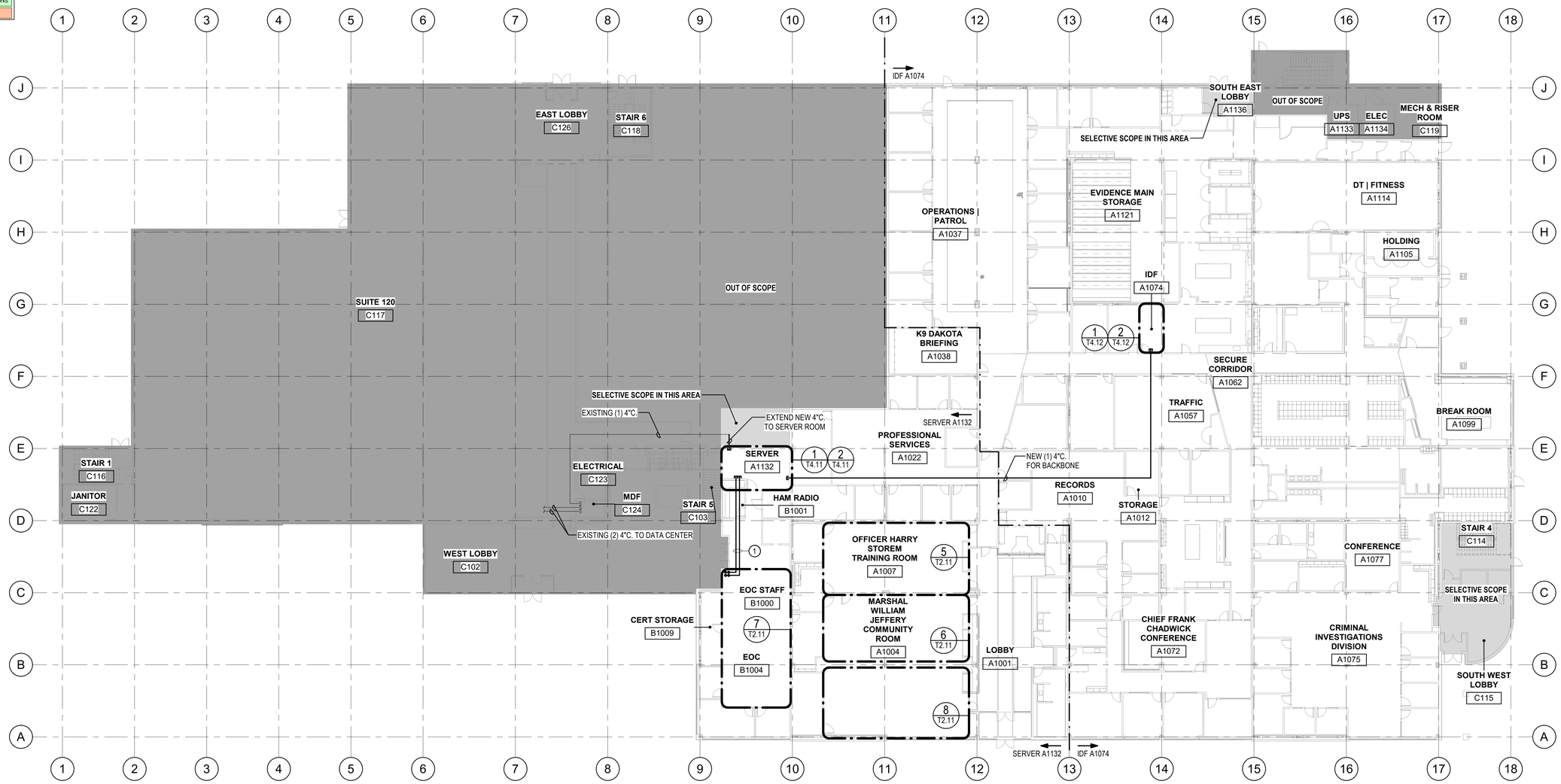
Engineering	Public Works
Fire	Traffic

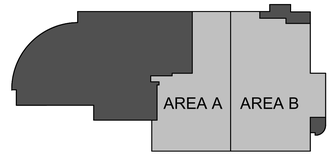


1 T2.01 SYSTEMS PLAN - OVERALL
1/16" = 1'-0"

CONSTRUCTION NOTES

1. PROVIDE (4) 4"C. FROM SERVER TO ROOF FOR ANTENNA CABLING. ROUTE CONDUITS THROUGH VERTICAL CHASE BETWEEN 1ST FLOOR CEILING STRUCTURE AND ROOF. PROVIDE 2-HOUR FIRE STOPPING AS NECESSARY FOR PENETRATION INTO VERTICAL CHASE.

KEY PLAN



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Delta	Issued As	Issue Date

SHEET TITLE:
SYSTEMS PLAN - OVERALL

SHEET
T2.01

JOB NO. **2170269.07**

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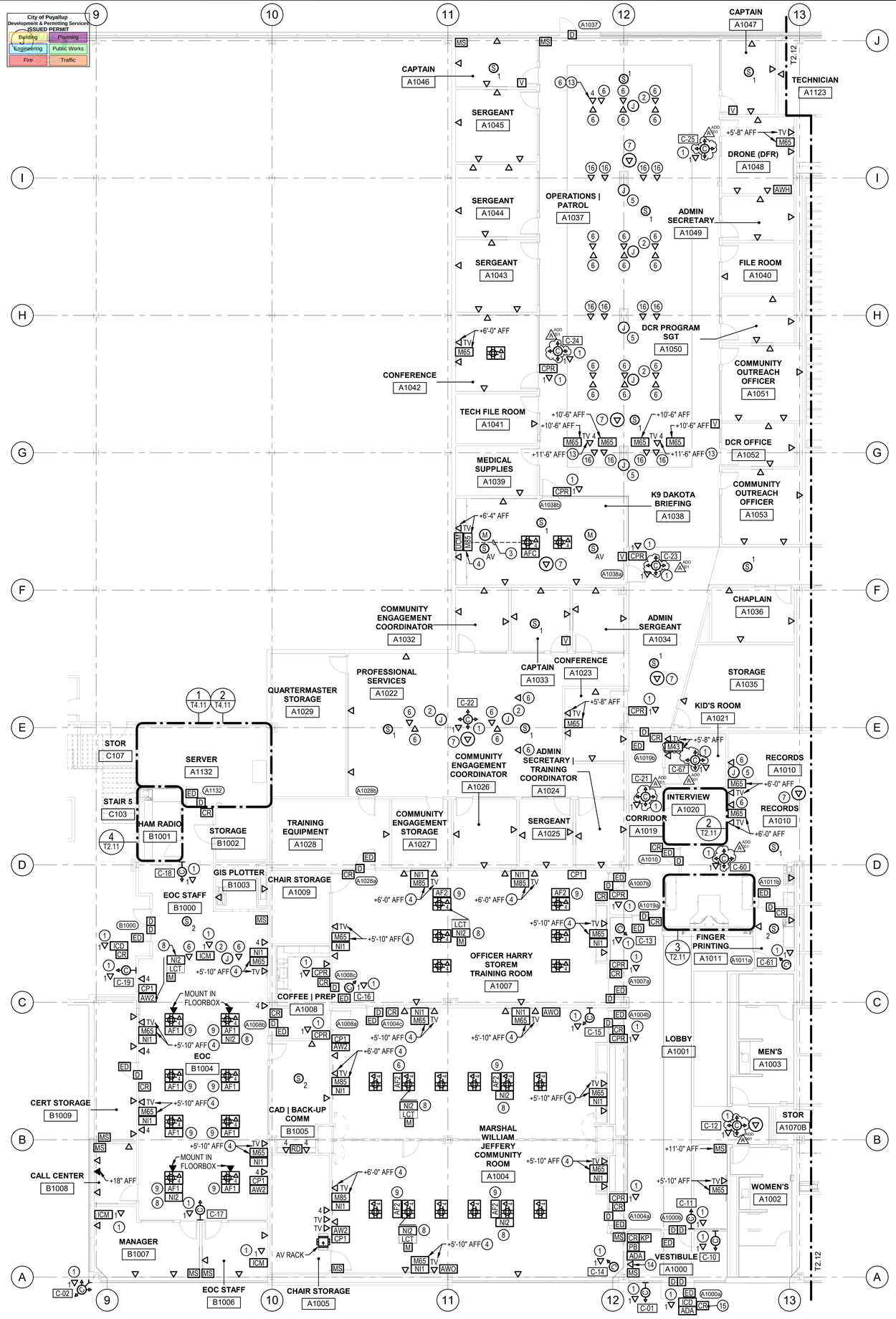
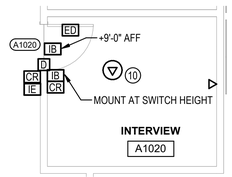
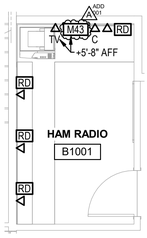


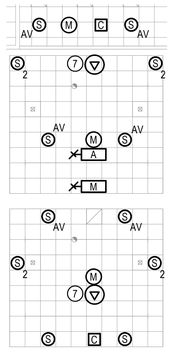
1 T2.11 SYSTEMS PLAN - AREA A
1/8" = 1'-0"



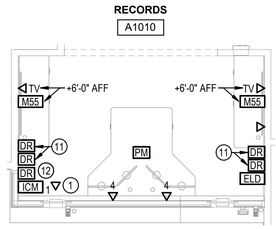
2 T2.11 SYSTEMS ENLARGED FLOOR PLAN - INTERVIEW A1020
1/4" = 1'-0"



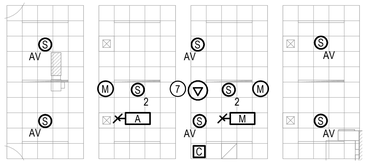
4 T2.11 SYSTEMS ENLARGED FLOOR PLAN - HAM RADIO B1001
1/4" = 1'-0"



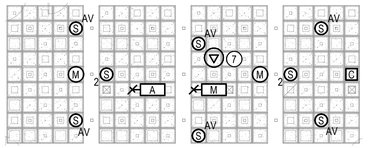
7 T2.11 SYSTEMS CEILING COORDINATION - EOC
1/8" = 1'-0"



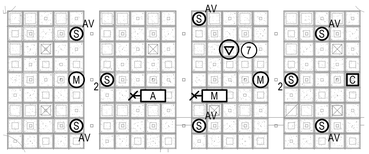
3 T2.11 SYSTEMS ENLARGED FLOOR PLAN - RECORDS A1010
1/4" = 1'-0"



5 T2.11 SYSTEMS CEILING COORDINATION - TRAINING ROOM
1/8" = 1'-0"



6 T2.11 SYSTEMS CEILING COORDINATION - COMMUNITY ROOM NORTH
1/8" = 1'-0"



8 T2.11 SYSTEMS CEILING COORDINATION - COMMUNITY ROOM SOUTH
1/8" = 1'-0"

GENERAL NOTES

1. ALTERNATE #2A: PROVIDE CONDUIT FROM ABOVE THE CEILING SPACE WITH PULL STRINGS TO EACH DOOR IDENTIFIED. CONDUIT AND BACK BOX TO BE INCLUDED AS NECESSARY AS NECESSARY TO SUPPORT FUTURE INSTALLATION OF CARD READER ACCESS CONTROL SYSTEM, DOOR POSITION SWITCH, AND ELECTRIFIED DOOR HARDWARE AT THE FOLLOWING DOORS: B1006, B1007, B1008, A1013, A1014, A1015, A1016, A1017, A1018, A1024, A1025, A1026, A1027, A1028, A1029, A1032, A1033, A1034, A1036, A1039, A1040, A1041, A1042, A1043, A1044, A1045, A1046, A1047, A1048, A1049, A1050, A1051, A1052, A1053, A1054, A1055, A1059, A1060, A1079, A1080, A1081, A1082, A1083, A1084, A1085, A1086, A1087.
2. ALTERNATE # 2B: PROVIDE INFRASTRUCTURE FOR FULL INSTALLATION OF CARD READER ACCSES CONTROL SYSTEM, DOOR POSITION SWITCH, AND ELECTRIFIED DOOR HARDWARE FOR A FULLY FUNCTIONING SYSTEM AT THE FOLLOWING DOORS: B1006, B1007, B1008, A1013, A1014, A1015, A1016, A1017, A1018, A1024, A1025, A1026, A1027, A1028, A1029, A1032, A1033, A1034, A1036, A1039, A1040, A1041, A1042, A1043, A1044, A1045, A1046, A1047, A1048, A1049, A1050, A1051, A1052, A1053, A1054, A1055, A1059, A1060, A1079, A1080, A1081, A1082, A1083, A1084, A1085, A1086, A1087.
3. FLOOR BOX IN SLAB CONDUIT PATHWAYS MAY BE DAISY CHAINED TO CONNECT MAXIMUM TWO FLOOR BOXES IN SERIES WITH (1) 1-1/4"C.. PROVIDE (1) 1-1/4"C. UP WALL TO NEAREST ACCESSIBLE CEILING SPACE FOR EACH PAIR OF CONNECTED FLOOR BOXES. SEPARATE 1-1/4"C. MUST BE PROVIDED FOR AUDIO VISUAL CABLING AS NOTED.

CONSTRUCTION NOTES

1. PROVIDE (1) CAT6 CABLE AND JACK FOR EACH CCTV CAMERA, CONTROL PANEL ROOM SCHEDULER, AND INTERCOM DOOR/MASTER STATION.
2. FLOOR MOUNT PATHWAY FOR DATA CABLING TO FURNITURE SYSTEM.
3. PROVIDE ADDITIONAL (1) 1-1/4"C. TO MONITOR BACK BOX FOR AV CAT6 CABLING TO FLOOR BOX.
4. PROVIDE RECESSED LARGE AV BACK BOX WITH INTEGRATED POWER/DATA/AV PATHWAY FOR MONITOR LOCATION. SEE DETAILS FOR ADDITIONAL INFORMATION. PROVIDE ARTICULATING MONITOR WALL-MOUNT AT THESE LOCATIONS.
5. PROVIDE WALL MOUNTED JUNCTION BOX FOR DATA CABLING PASS-THRU TO FURNITURE SYSTEM. PROVIDE CABLE SLACK AS NECESSARY FOR ROUTING CABLES TO FURNITURE MOUNTED OUTLETS.
6. PROVIDE DATA FACEPLATE FROM **LEVITON MODEL 41081-4WP** FOR DATA OUTLET INSTALLATION WITHIN FURNITURE SYSTEM. ALL FURNITURE CONNECTIONS PROVIDED BY TELECOM CONTRACTOR.
7. CONTRACTOR SHALL PROVIDE LABOR FOR INSTALLATION OF (2) OWNER FURNISHED WAPS AT THIS LOCATION. EACH WAP SHALL BE PATCHED TO (1) OF THE CAT6A OUTLETS ON THE SURFACE BLOCK ABOVE CEILING SPACE.
8. PROVIDE AV NETWORK INTERFACE DEVICE FOR USER SOURCE CONNECTION AT FURNITURE LOCATIONS. DEVICE SHALL BE MOVEABLE FOR CONNECTION TO ANY FLOOR BOX AV PORT OR STORED IN THE AV RACK WHEN NOT IN USE.
9. PROVIDE ADDITIONAL (1) 1-1/4"C. TO AV RACK FOR AV CAT6 CABLING TO FLOOR BOX.
10. PROVIDE (2) CAT6 DATA CONNECTIONS ON SURFACE BLOCK ABOVE CEILING SPACE FOR CONNECTION TO OFOI INTERVIEW ROOM SYSTEM.
11. PROVIDE (2) WALL MOUNTED DOOR RELEASE BUTTONS, (1) FOR SITE MOTORIZED GATE 1 AND (1) FOR SITE MOTORIZED SITE GATE 2. BUTTONS MUST HAVE CUSTOM MANUFACTURER APPLIED LABEL IDENTIFYING THE ASSOCIATED GATE OF EACH BUTTON.
12. DOOR RELEASE BUTTON FOR DOOR A1019A.
13. ROUTE (2) OF THE CAT6 CABLES FROM THE 4-PORT CEILING TV OUTLET TO THE NOTED 4-PORT FURNITURE OUTLET FOR CONNECTION OF OFOI KVM EQUIPMENT BETWEEN DESK AND CEILING MOUNTED TVS. THE OTHER (2) CAT6 CABLES SHALL REMAIN ROUTING BACK TO THE NEAREST TELECOM ROOM. KVM OUTLETS SHALL BE LABELED 'KVM-#' NUMBERED 1-4 AT BOTH THE FURNITURE OUTLET AND CEILING OUTLET LOCATION.
14. +42" AFF FOR EMERGENCY PHONE.
15. WALL MOUNT CARD READER, INTERCOM DOOR STATION, AND ADA BUTTON TO EXTERIOR COLUMN. PROVIDE 1"C. FROM EACH DEVICE TO OVERHEAD TO INTERIOR ACCESSIBLE CEILING SPACE. SEE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
16. SURFACE MOUNT DATA OUTLET WITHIN FURNITURE CABINET NEXT TO ELECTRICAL. ROUTE CABLING UP ADJACENT COLUMN TO ACCESSIBLE CEILING SPACE.

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04/04/2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

KEY PLAN

SHEET TITLE:
SYSTEMS PLAN - AREA A

SHEET
T2.11

JOB NO. **2170269.07**

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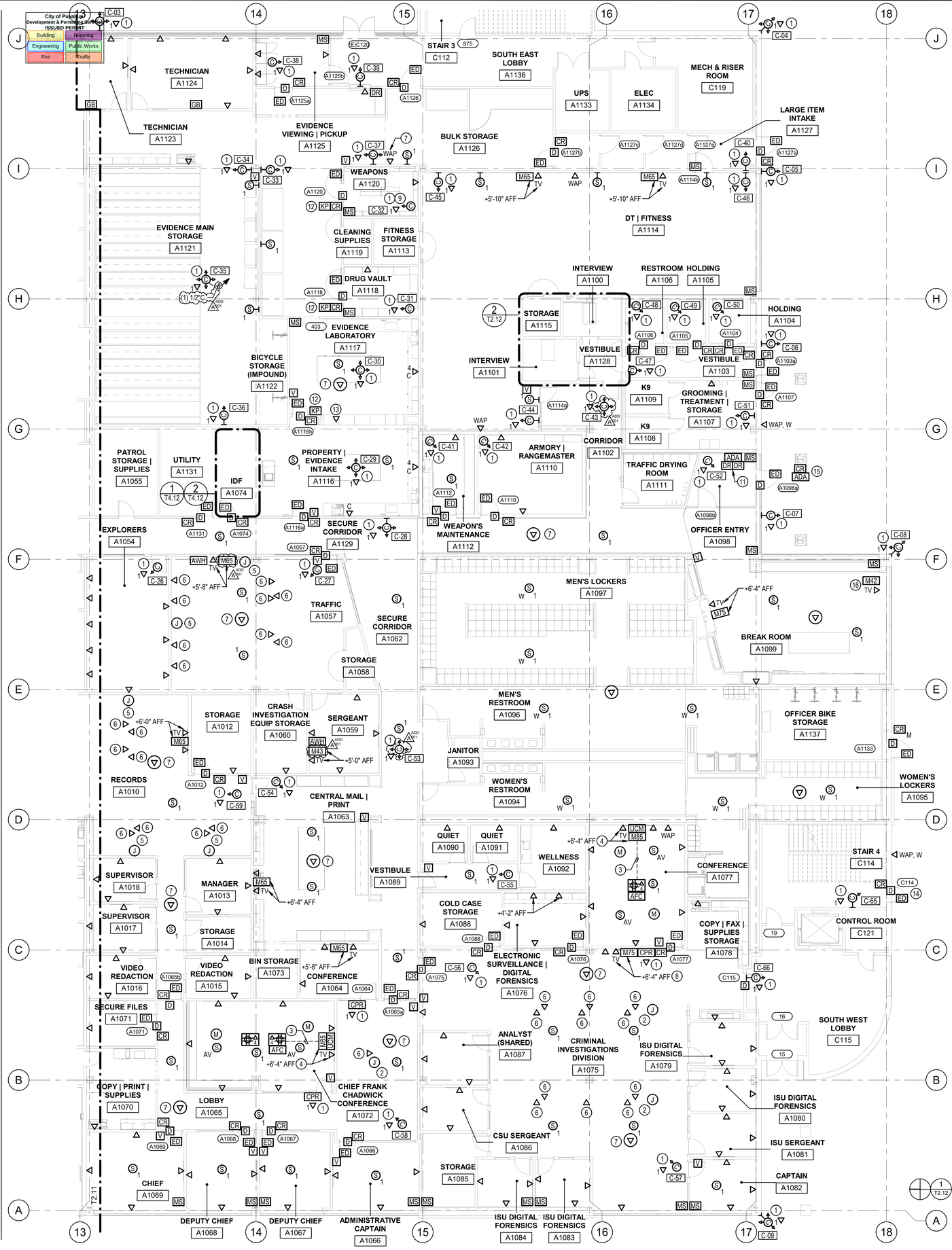


GENERAL NOTES

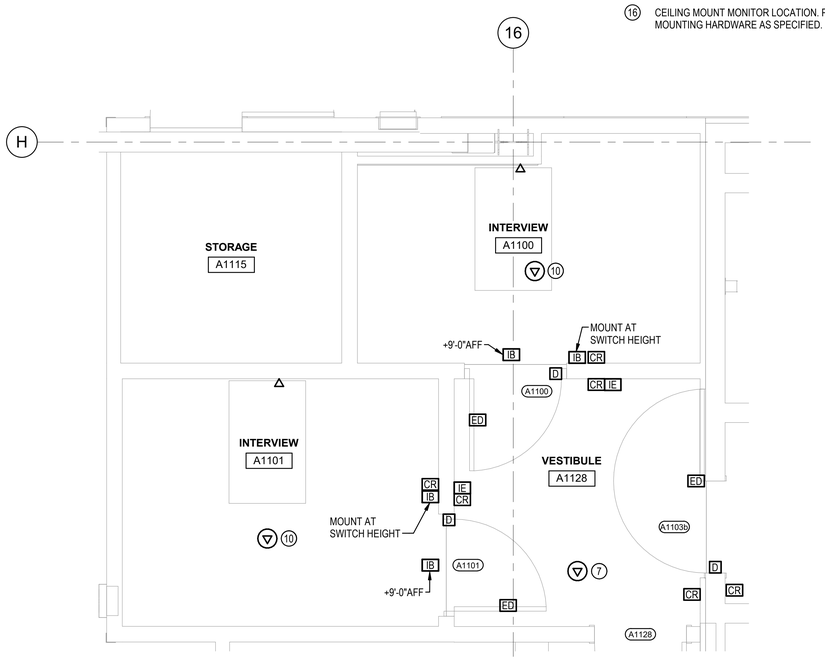
1. ALTERNATE #2A: PROVIDE CONDUIT FROM ABOVE THE CEILING SPACE WITH PULL STRINGS TO EACH DOOR IDENTIFIED. CONDUIT AND BACK BOX TO BE INCLUDED AS NECESSARY AS NECESSARY TO SUPPORT FUTURE INSTALLATION OF CARD READER ACCESS CONTROL SYSTEM, DOOR POSITION SWITCH, AND ELECTRIFIED DOOR HARDWARE AT THE FOLLOWING DOORS: B1006, B1007, B1008, A1013, A1014, A1015, A1016, A1017, A1018, A1024, A1025, A1026, A1027, A1028, A1029, A1032, A1033, A1034, A1036, A1039, A1040, A1041, A1042, A1043, A1044, A1045, A1046, A1047, A1048, A1049, A1050, A1051, A1052, A1053, A1054, A1055, A1059, A1060, A1079, A1080, A1081, A1082, A1083, A1084, A1085, A1086, A1087.

2. ALTERNATE # 2B: PROVIDE INFRASTRUCTURE FOR FULL INSTALLATION OF CARD READER ACCSES CONTROL SYSTEM, DOOR POSITION SWITCH, AND ELECTRIFIED DOOR HARDWARE FOR A FULLY FUNCTIONING SYSTEM AT THE FOLLOWING DOORS: B1006, B1007, B1008, A1013, A1014, A1015, A1016, A1017, A1018, A1024, A1025, A1026, A1027, A1028, A1029, A1032, A1033, A1034, A1036, A1039, A1040, A1041, A1042, A1043, A1044, A1045, A1046, A1047, A1048, A1049, A1050, A1051, A1052, A1053, A1054, A1055, A1059, A1060, A1079, A1080, A1081, A1082, A1083, A1084, A1085, A1086, A1087.

3. FLOOR BOX IN SLAB CONDUIT PATHWAYS MAY BE DAISY CHAINED TO CONNECT MAXIMUM TWO FLOOR BOXES IN SERIES WITH (1) 1-1/4"C.. PROVIDE (1) 1-1/4"C. UP WALL TO NEAREST ACCESSIBLE CEILING SPACE FOR EACH PAIR OF CONNECTED FLOOR BOXES. SEPARATE 1-1/4"C. MUST BE PROVIDED FOR AUDIO VISUAL CABLING AS NOTED.

CONSTRUCTION NOTES

1. PROVIDE (1) CAT6 CABLE AND JACK FOR EACH CCTV CAMERA, CONTROL PANEL ROOM SCHEDULER, AND INTERCOM DOOR/MASTER STATION.
2. FLOOR MOUNT PATHWAY FOR DATA CABLING TO FURNITURE SYSTEM.
3. PROVIDE ADDITIONAL (1) 1-1/4"C. TO MONITOR BACK BOX FOR AV CAT6 CABLING TO FLOOR BOX.
4. PROVIDE RECESSED LARGE AV BACK BOX WITH INTEGRATED POWER/DATA/AV PATHWAY FOR MONITOR LOCATION. SEE DETAILS FOR ADDITIONAL INFORMATION. PROVIDE ARTICULATING MONITOR WALL-MOUNT AT THESE LOCATIONS.
5. PROVIDE WALL MOUNTED JUNCTION BOX FOR DATA CABLING PASS-THRU TO FURNITURE SYSTEM. PROVIDE CABLE SLACK AS NECESSARY FOR ROUTING CABLES TO FURNITURE MOUNTED OUTLETS.
6. PROVIDE DATA FACEPLATE FROM **LEVITON MODEL 41081-4WP** FOR DATA OUTLET INSTALLATION WITHIN FURNITURE SYSTEM. ALL FURNITURE CONNECTIONS PROVIDED BY TELECOM CONTRACTOR.
7. CONTRACTOR SHALL PROVIDE LABOR FOR INSTALLATION OF (2) OWNER FURNISHED WAPS AT THIS LOCATION. EACH WAP SHALL BE PATCHED TO (1) OF THE CAT6A OUTLETS ON THE SURFACE BLOCK ABOVE CEILING SPACE.
8. CONTRACTOR SHALL PROVIDE WALL MOUNT KEYBOARD SHELF BELOW MONITOR. SHELF MUST HAVE TELESCOPIC ARM. FROM XINGAKA MODEL ARM40CM OR APPROVED EQUAL.
9. COORDINATE CAMERA LOCATION WITH GUN RACKS.
10. PROVIDE (2) CAT6 DATA CONNECTIONS ON SURFACE BLOCK ABOVE CEILING SPACE FOR CONNECTION TO OFOI INTERVIEW ROOM SYSTEM.
11. PROVIDE (2) WALL MOUNTED DOOR RELEASE BUTTONS FOR THE NORTHEAST MOTORIZED SITE GATE. BUTTONS MUST HAVE CUSTOM MANUFACTURER APPLIED LABEL IDENTIFYING THE ASSOCIATED GATE OF EACH BUTTON.
12. THIS ROOM SHALL BE INSTALLED AS AN INDEPENDENT ZONE ON THE INTRUSION ALARM SYSTEM.
13. INSTALL DATA OUTLET IN SMART LOCKER. COORDINATE WITH FURNITURE VENDOR AS NECESSARY.
14. CARD READER SHALL DEACTIVATE EGRESS ALARM AT LOCATION. EGRESS ALARM SPECIFIED WITH DOOR HARDWARE UNDER DIV. 8.
15. WALL MOUNT CARD READER AND ADA BUTTON TO EXTERIOR COLUMN. PROVIDE 1"C. FROM EACH DEVICE TO OVERHEAD TO INTERIOR ACCESSIBLE CEILING SPACE. SEE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
16. CEILING MOUNT MONITOR LOCATION. PROVIDE MOUNTING HARDWARE AS SPECIFIED.



2 T2.12 SYSTEMS ENLARGED FLOOR PLAN - VESTIBULE A1128 AND INTERVIEW ROOMS
1/2" = 1'-0"

1 T2.12 SYSTEMS PLAN - AREA B
1/8" = 1'-0"

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SYSTEMS PLAN - AREA B

SHEET
T2.12

JOB NO. **2170269.07**

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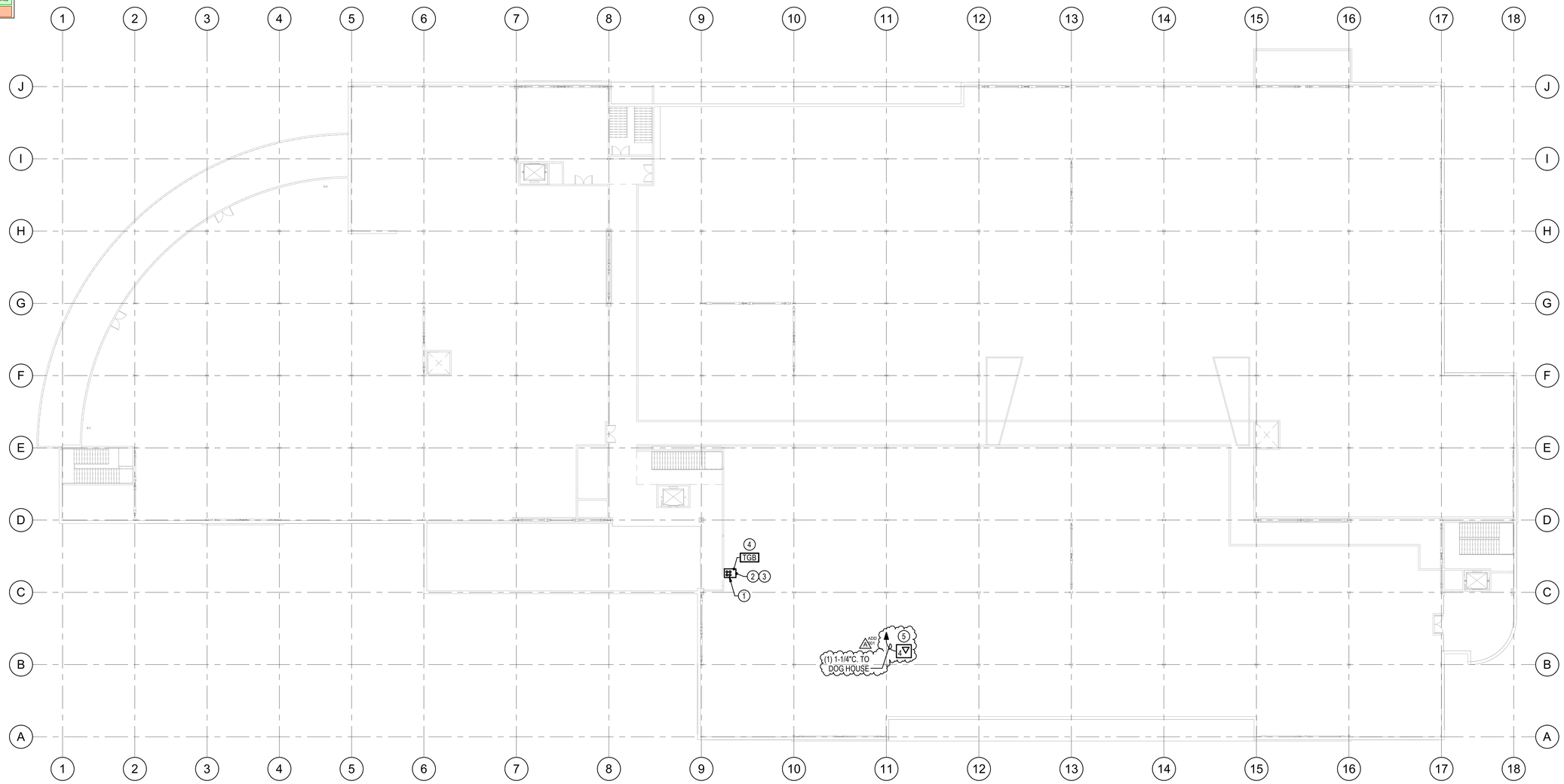

1 / T2.13 SYSTEMS PLAN - ROOF
1/16" = 1'-0"

CONSTRUCTION NOTES

1. (4) 4"C. ROOF PENETRATIONS. CONDUITS ROUTED DOWN THROUGH BUILDING TO SERVER ROOM.
2. FOR EACH CONDUIT ROOF PENETRATION PROVIDE A WEATHER SEAL CAPABLE OF ACCOMMODATING THE ROUTING OF A MINIMUM OF (4) CABLES. WEATHER SEAL SHALL BE FROM NEW WAVE TOWER COMPONENTS MODEL # ROX-102993 OR APPROVED EQUAL.
3. PROVIDE DOG HOUSE COVER OVER THE CONDUIT ROOF PENETRATIONS AND SECURE TO STRUCTURE. DOG HOUSE SHALL BE FROM NEW WAVE TOWER COMPONENTS MODEL # RT4002 OR APPROVED EQUAL. PROVIDE ENTRY PANEL PLATE WITH 4X4 SEALING CABLE PATHS FROM NEW WAVE TOWER COMPONENTS MODEL # EP4X4 OR APPROVED EQUAL.
4. INSTALL GROUNDING BAR WITHIN THE DOG HOUSE FOR BONDING TO CONDUIT ROOF PENETRATIONS. SEE GROUNDING DETAILS FOR ADDITIONAL INFORMATION.
5. ADD'L NOTE 1 — PROVIDE 4-PORT DATA OUTLET WITHIN NEMA 3R ENCLOSURE. SEE SHEET E3.13 FOR ADDITIONAL ENCLOSURE INFORMATION.

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SHEET TITLE:
SYSTEMS ROOF PLAN

SHEET
T2.13

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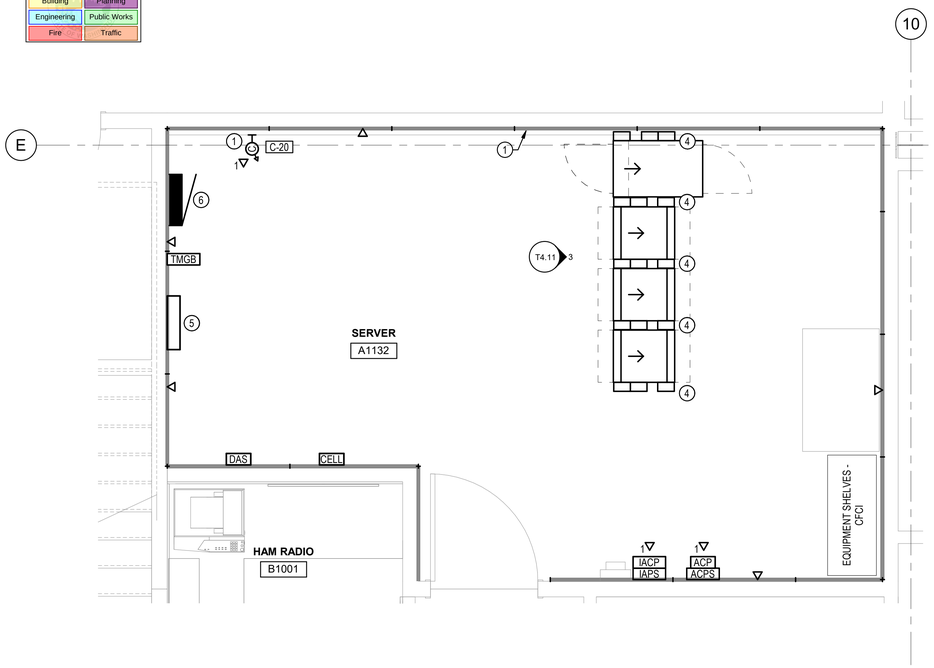
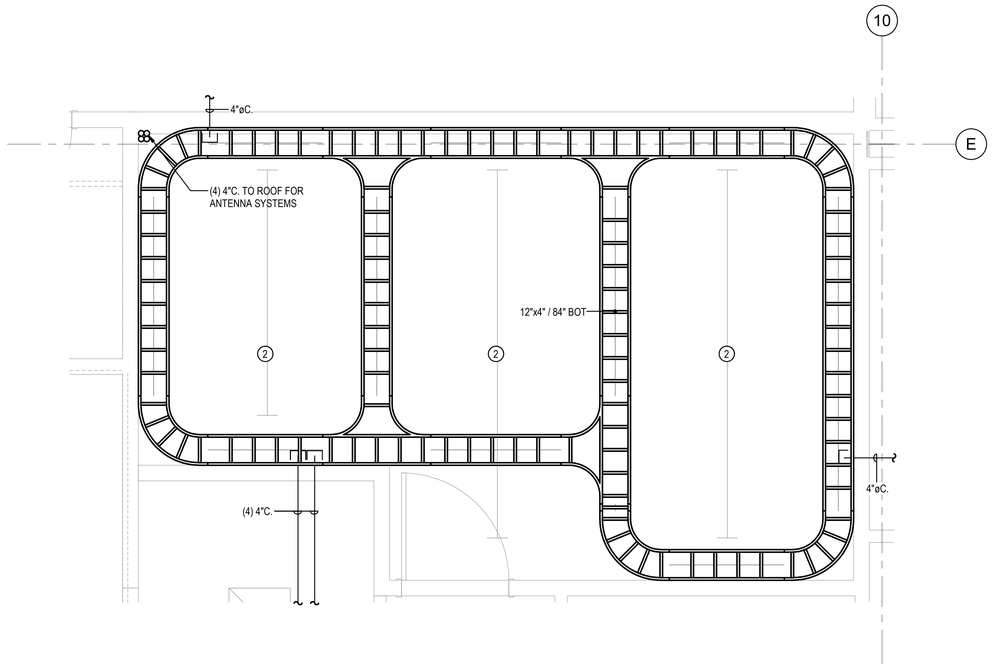
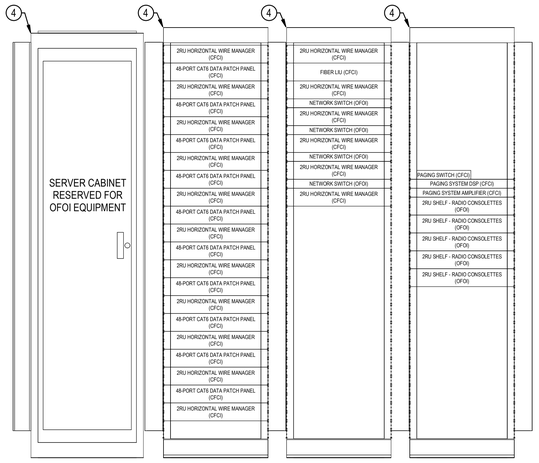


1 T4.11 SYSTEMS ENLARGED FLOOR PLAN - SERVER A1132
1/2" = 1'-0"



2 T4.11 SYSTEMS ENLARGED CEILING PLAN - SERVER A1132
1/2" = 1'-0"



3 T4.11 SERVER A1132 RACK ELEVATIONS
1" = 1'-0"

CONSTRUCTION NOTES

1. PROVIDE 4'X8' FIRE RATED BACKING BOARD ON ALL 4 WALLS AND COATED WITH FIRE RATED WHITE PAINT EXCEPT FOR FIRE RATING LABELS. START AT 0'-6" AFF AND END AT 8'-6" AFF.
2. LIGHT FIXTURE - SHOWN FOR REFERENCE ONLY.
3. MECHANICAL EQUIPMENT - SHOWN FOR REFERENCE ONLY.
4. PROVIDE VERTICAL MOUNT PDU AS SPECIFIED DOWN BACKSIDE OF EACH RACK.
5. LIGHTNING ARRESTOR FOR ANTENNA COAX. LIGHTNING ARRESTORS AND ANTENNA COAXIAL CABLING PROVIDED BY OTHER (WITH THE EXCEPTION OF DAS SYSTEMS BY DIV. 27 53 19.
6. ELECTRICAL EQUIPMENT - SHOWN FOR REFERENCE ONLY.

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SYSTEMS ENLARGED PLAN - SERVER A1132

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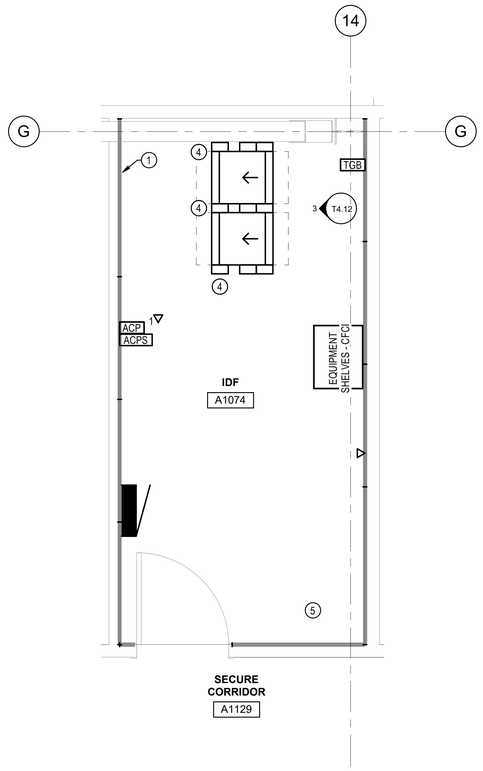
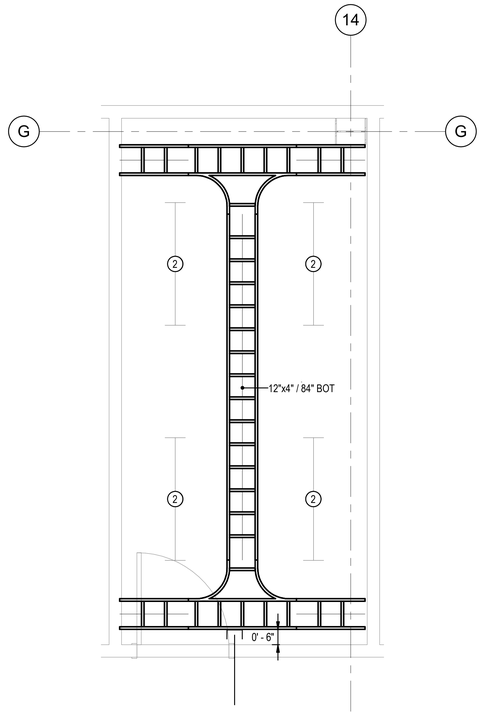


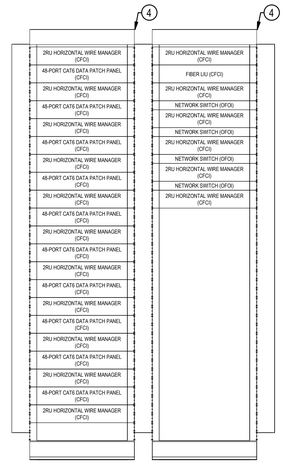
1 T4.12 SYSTEMS ENLARGED FLOOR PLAN - IDF
1/2" = 1'-0"



2 T4.12 SYSTEMS ENLARGED CEILING PLAN - IDF
1/2" = 1'-0"

CONSTRUCTION NOTES

1. PROVIDE 4'X8' FIRE RATED BACKING BOARD ON EACH ACCESSIBLE WALL AND COATED WITH FIRE RATED WHITE PAINT EXCEPT FOR FIRE RATING LABELS. START AT 0'-6" AFF AND END AT 8'-6" AFF.
2. LIGHT FIXTURE - SHOWN FOR REFERENCE ONLY.
3. MECHANICAL EQUIPMENT - SHOWN FOR REFERENCE ONLY.
4. PROVIDE VERTICAL MOUNT PDU AS SPECIFIED DOWN BACKSIDE OF EACH RACK.
5. ELECTRICAL EQUIPMENT - SHOWN FOR REFERENCE ONLY.



3 T4.12 IDF A1074 RACK ELEVATIONS
1" = 1'-0"

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SHEET TITLE:
SYSTEMS ENLARGED PLAN - IDF A1074

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T4.12

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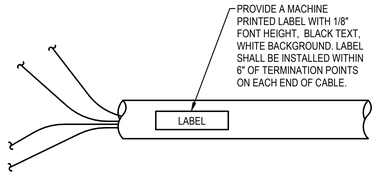
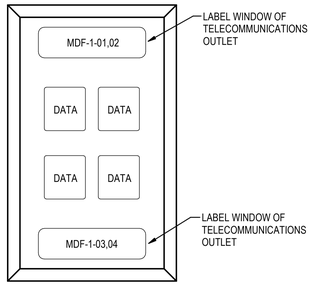
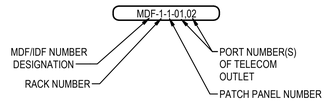


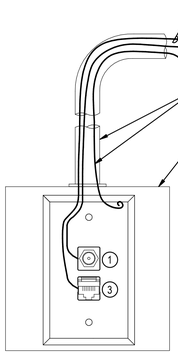
1 T5.11 TYPICAL HORIZONTAL CABLE LABELING
NTS



2 T5.11 TYPICAL TELECOMM OUTLET LABELING
NTS



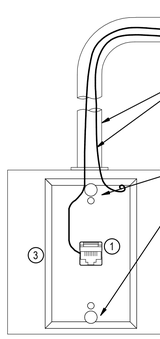
3 T5.11 TELECOMMUICATIONS OUTLET LABEL IDENTIFICATION FORMAT
NTS



CONSTRUCTION NOTES

1. PROVIDE F-CONNECTOR MODULAR INSERT.
2. PROVIDE (1) RG6 CABLE FROM THE CATV OUTLET TO THE NEAREST TELECOMMUNICATIONS ROOM. COAX TO BE COILED IN TELECOM ROOM FOR TERMINATION BY SERVICE PROVIDER.
3. PROVIDE MODULAR PORT COLOR AS SPECIFIED.
4. PROVIDE (1) CAT6 CABLE FROM THE TELECOMMUNICATION OUTLET TO THE NEAREST TELECOMMUNICATIONS ROOM. PROVIDE THE CAT6 CABLE COLOR AS SPECIFIED.

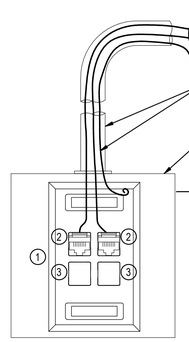
4 T5.11 CATV/CABLE TV OUTLET - 1 PORT
NTS



CONSTRUCTION NOTES

1. PROVIDE MODULAR PORT COLOR AS SPECIFIED.
2. PROVIDE (1) CAT6 CABLE FROM THE TELECOMMUNICATION OUTLET TO THE NEAREST TELECOMMUNICATIONS ROOM. PROVIDE THE CAT6 CABLE COLOR AS SPECIFIED.
3. PROVIDE MODEL #630B (OR APPROVED EQUAL) WALL PLATE WITH MODULAR JACK AND MOUNTING LUGS.

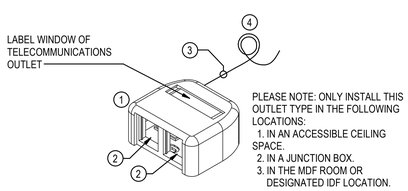
5 T5.11 TYPICAL TELECOMMUNICATIONS OUTLET (FOR WALL MOUNT TELEPHONE)
NTS



CONSTRUCTION NOTES

1. PROVIDE TELECOMMUNICATIONS OUTLET TYPE, STYLE, AND COLOR AS SPECIFIED.
2. PROVIDE MODULAR PORT COLOR AS SPECIFIED.
3. PROVIDE MODULAR BLANK INSERT. THE COLOR SHALL MATCH THE ADJACENT PORT COLOR.
4. PROVIDE (2) CAT6 CABLES FROM THE TELECOMMUNICATION OUTLET TO THE NEAREST TELECOMMUNICATIONS ROOM. PROVIDE THE CAT6 CABLE COLOR AS SPECIFIED.

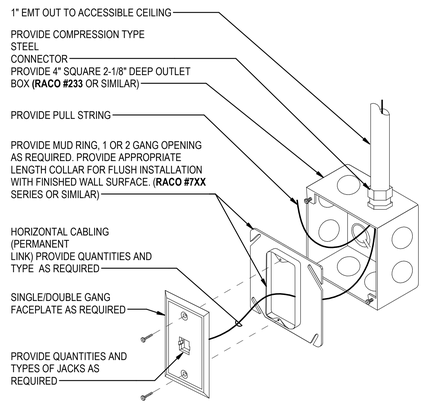
6 T5.11 TYPICAL TELECOMMUNICATIONS OUTLET (2-PORT)
NTS



CONSTRUCTION NOTES

1. PROVIDE TELECOMMUNICATIONS OUTLET TYPE, STYLE, AND COLOR AS SPECIFIED.
2. PROVIDE MODULAR PORT COLOR AS SPECIFIED.
3. PROVIDE (2) CAT6A CABLES FROM THE TELECOMMUNICATION OUTLET TO THE NEAREST TELECOMMUNICATIONS ROOM. PROVIDE THE CAT6 CABLE COLOR AS SPECIFIED.
4. PROVIDE A 25 FOOT SERVICE LOOP IN THE ACCESSIBLE CEILING SPACE, UNLESS OTHERWISE NOTED.

7 T5.11 TYPICAL TELECOMMUNICATIONS OUTLET (ACCESSIBLE CEILING SPACE)
NTS



8 T5.11 TELECOMMUNICATIONS OUTLET INSTALLATION DETAIL (4/S")
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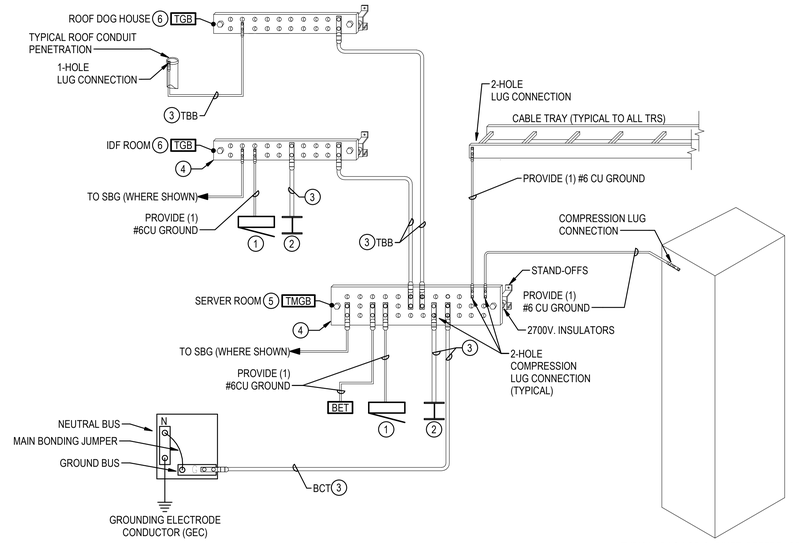

TELECOMMUNICATIONS TYPICAL GROUNDING AND BONDING DETAIL

1 PROVIDE CONNECTION TO PANEL BOARD IN THE TELECOMM ROOM

2 PROVIDE BOND CONNECTION TO BUILDING STEEL, SIZED PER FIGURE 6.3.2 (SIZING OF THE TBB) OF TIA-607-B2 INCLUDED ON THIS SHEET.

3 PROVIDE COPPER GROUND CONDUCTOR WITH GREEN OUTER JACKET. SIZED AS REQUIRED PER THE TELECOMMUNICATION BONDING BACKBONE (TBB) CONDUCTOR SIZE VS LENGTH TABLE REFERENCED FROM TIA-607-B.

4 MOUNT PLATE ON PLYWOOD BACKBOARD

5 TELECOMMUNICATION MAIN GROUND BUSBAR 20"x4"x1/4"

6 TELECOMMUNICATION GROUND BUSBAR 12"x4"x1/4"

1 T5.12 TELECOMMUNICATIONS TYPICAL GROUNDING AND BONDING DETAIL
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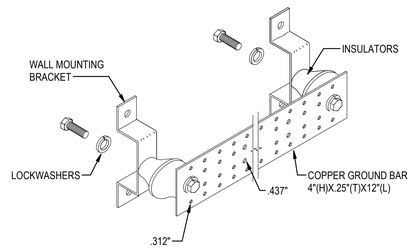
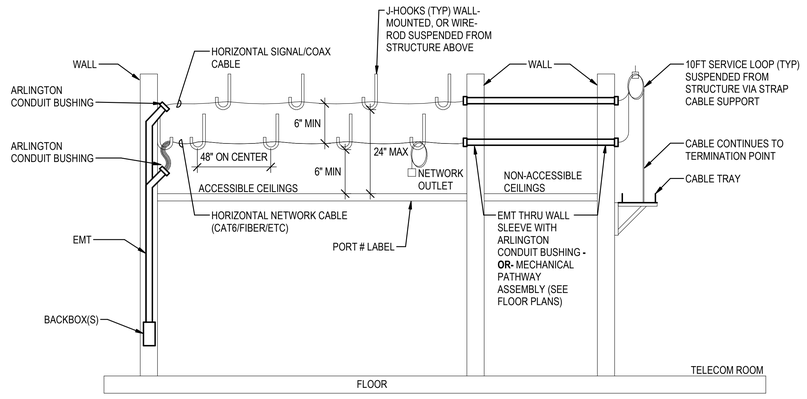


2 T5.12 TMGB DETAIL
NTS



3 T5.12 J-HOOK AND CABLE TRAY SECTION DETAIL
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TELECOMMUNICATIONS BONDING BACKBONE (TBB) CONDUCTOR SIZE VS LENGTH	
TBB/GE LINEAR LENGTH m (FT)	**TBB/GE SIZE (AWG)**
LESS THAN 4 (13)	6
4-6 (14-20)	4
6-8 (21-26)	3
8-10 (27-33)	2
10-13 (34-41)	1
13-16 (42-52)	1/0
16-20 (53-66)	2/0
20-26 (67-84)	3/0
26-32 (85-105)	4/0
32-38 (106-125)	250 kcmil
38-46 (126-150)	300 kcmil
46-53 (151-175)	350 kcmil
53-76 (176-250)	500 kcmil
76-91 (251-300)	600 kcmil
GREATER THAN 91 (301)	750 kcmil

SCHEDULE NOTES:

1 MINIMUM TBB/GE SHALL BE #6 AWG. THE TBB SHOULD BE SIZED AT 2 KCMIL PER LINEAR FOOT OF CONDUCTOR LENGTH UP TO A MAXIMUM OF 750 KCMIL.

2 THE BCT SHALL BE, AT A MINIMUM, THE SAME SIZE AS THE LARGEST TBB.

3 THE TABLE IS REFERENCED FROM TIA-607-B 6.3.2 TABLE 1.

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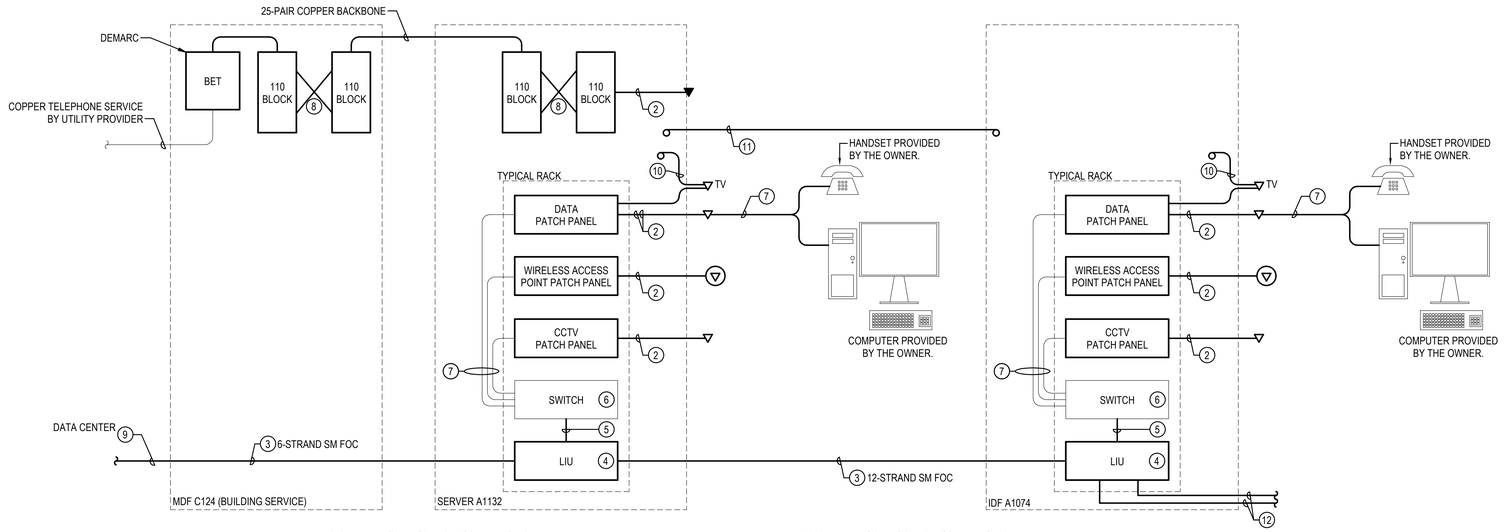

TELECOMMUNICATIONS RISER DIAGRAM GENERAL NOTES

1 THIS RISER DIAGRAM IS DIAGRAMMATIC IN NATURE.

2 THE PATCH PANELS ARE ONLY SHOWN ONCE, IN ORDER TO SIMPLIFY THIS DIAGRAM. PROVIDE ALL CABLING AND EQUIPMENT AS SPECIFIED, AS REQUIRED (BASED ON THE QUANTITIES OF DEVICES SHOWN ON THE FLOOR PLANS).

3 FOR THE SAKE OF ILLUSTRATION, ACTUAL LOCATION OF PATCH PANELS IN THE RACK IS DIAGRAMMATIC, AND NOT NECESSARILY WHERE THE DEVICES ARE TO BE MOUNTED.

4 CABLING AND EQUIPMENT PROVIDED BY THE "DATA AND VOICE INFRASTRUCTURE" INSTALLING VENDOR, UNLESS NOTED OTHERWISE.

5 RACKS, BALANCED TWISTED PAIR CABLING, PATCH PANELS, PUNCH DOWN BLOCKS, AND OTHER RELATED APPURTENANCES SHALL BE PROVIDED, INSTALLED, TERMINATED, AND TESTED BY THE TELECOMMUNICATIONS INSTALLING CONTRACTOR.

TELECOMMUNICATIONS RISER DIAGRAM CONSTRUCTION NOTES

(1) SEE THE ELECTRICAL LEGEND, DETAIL SHEETS, AND FLOOR PLANS, FOR TYPES AND QUANTITIES.

(2) PROVIDE HORIZONTAL CABLE TYPES AND QUANTITIES, AS SPECIFIED, AS SHOWN ON THE LEGEND, AND AS SHOWN ON OUTLET DETAILS.

(3) PROVIDE SINGLEMODE FIBER, STRAND QUANTITY AS SHOWN BETWEEN LOCATIONS AS SHOWN. TERMINATE WITH LC STYLE CONNECTORS ON RACK MOUNTED LIU ON EACH END.

(4) PROVIDE LIGHT INTERFACE UNIT(S) (AKA FIBER OPTIC PATCH PANELS), AS SPECIFIED.

(5) PROVIDE FIBER OPTIC PATCH CORDS, AS SPECIFIED.

(6) SWITCH SHOWN FOR REFERENCE ONLY (PROVIDED BY THE OWNER).

(7) PATCH CORDS WITHIN TELECOM ROOMS SHALL BE OFOI.

(8) CROSS-CONNECTS BY TELECOMMUNICATIONS INSTALLING CONTRACTOR

(9) SEE SITE PLAN FOR FIBER CONTINUATION. PROVIDE RACK MOUNT FIBER LIU AT FAR END OF EACH FIBER RUN. COORDINATE WITH DATA CENTER END USERS FOR LIU INSTALLATION AT OTHER END.

(10) PROVIDE RG-6 COAX CABLING FROM TV OUTLET TO NEAREST TELECOM ROOM. CABLING SHALL BE COILED WITHIN THE TELECOM ROOM FOR TERMINATION BY THE SERVICE PROVIDER.

(11) PROVIDE RG-11 COAX BACKBONE BETWEEN SERVER ROOM AND IDF. CABLING SHALL BE COILED AT EACH END FOR TERMINATION BY THE SERVICE PROVIDER.

(12) PROVIDE 2-STRAND MULTI-MODE FIBER TO THE SITE ENCLOSURE POE NETWORK SWITCHES FOR DATA CONNECTION TO GATE SECURITY DEVICES. TERMINATE WITH LC STYLE CONNECTORS ON EACH END.

1 / T5.13 TELECOMMUNICATIONS RISER DIAGRAM
1/8" = 1'-0"

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BENJAMIN R. HOLT — STATE OF WASHINGTON — 41005 — REGISTERED PROFESSIONAL ENGINEER
02/28/2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
TELECOM DETAILS III

SHEET
T5.13

JOB NO. **2170269.07**

PERMIT/BID SET - 03.04.2025

City of Puyallup
Development & Permitting Services
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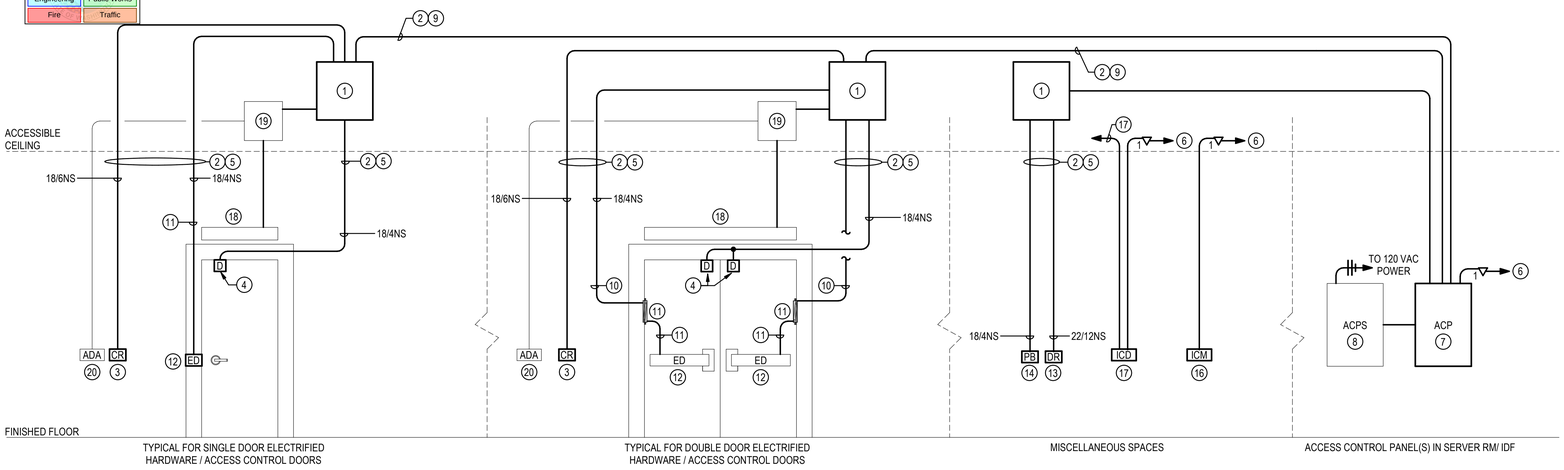
Engineering | Public Works
Fire | Traffic



1 / T5.14 ACCESS CONTROL SYSTEM RISER DIAGRAM
NTS

ACCESS CONTROL SYSTEM RISER DIAGRAM GENERAL NOTES

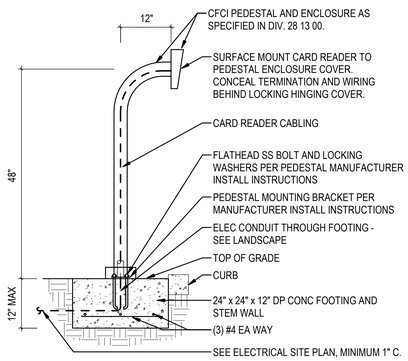
1. SEE ADDITIONAL PLANS AND DETAILS FOR ACCESS CONTROL SCOPE OF WORK AT SITE GATE LOCATIONS.
2. SEE ALTERNATE # 2 SCOPE OF WORK OPTIONS FOR FOR ADDITIONAL ACCESS CONTROL LOCATIONS. ALTERNATE 2A SHALL PROVIDE ALL CONDUIT/PULL STRING AND BACK BOX INFRASTRUCTURE NECESSARY FOR FUTURE INSTALLATION OF A CARD READER, DOOR POSITION SWITCH, AND ELECTRIFIED DOOR HARDWARE AT THE LISTED DOOR LOCATIONS. ALTERNATE 2B SHALL PROVIDE FULL CONDUIT/PULL STRING AND BACK BOX INFRASTRUCTURE, CARD READERS, DOOR POSITION SWITCHES, ELECTRIFIED DOOR HARDWARE, CABLING, ACCESS CONTROL PANELS, AND POWER SUPPLIES AS NECESSARY TO SUPPORT FULL ACCESS CONTROL SYSTEM INSTALLATION AT THE LISTED DOOR LOCATIONS.

ACCESS CONTROL SYSTEM CONSTRUCTION NOTES

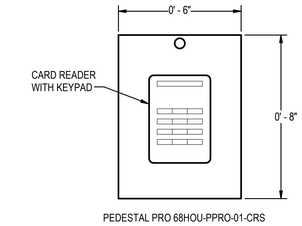
1. MINIMUM 8"X8"4" JUNCTION BOX FOR ACCESS CONTROL CABLE ROUTING. WALL MOUNT ABOVE NEAREST ACCESSIBLE CEILING SPACE.
2. MULTI-CONDUCTOR COMPOSITE CABLE FROM JUNCTION BOX TO ACCESS CONTROL PANELS SIZE CONDUCTORS AS REQUIRED FOR DISTANCE AND HARDWARE.
3. CARD READER
4. BALANCED MAGNETIC DOOR SWITCH. PROVIDE DOUBLE PULL DOUBLE THROW STYLE SWITCH FOR USE WITH ACCESS CONTROL AND INTRUSION ALARM SYSTEMS.
5. PROVIDE MINIMUM 3/4" METAL RACEWAY(S) FOR ALL DEVICES.
6. DATA CONNECTION PROVIDED BY DIV. 27 20 00.
7. ACCESS CONTROL PANEL - READER MODULE. PROVIDE QUANTITIES AS NECESSARY TO ACCOMMODATE DOORS AND RELAY CONNECTIONS IN EACH AREA.
8. ACCESS CONTROL POWER SUPPLY. PROVIDE QUANTITIES AS NECESSARY TO ACCOMMODATE DOORS IN EACH AREA.
9. ROUTE ACCESS CONTROL CABLING THROUGH ACCESSIBLE CEILING SPACE TO NEAREST TELECOM ROOM. UTILIZE DEDICATED J-HOOK INFRASTRUCTURE FOR SECURITY CABLING.
10. CABLING FOR THE ELECTRIFIED EXIT DEVICE (ED). ELECTRIC STRIKE, OR ELECTRIC LOCK. USE THE ENTIRE CABLE RUN DISTANCETO DETERMINE THE CONDUCTOR SIZE REQUIRED FOR EACH DOOR: 50'-0" OR LESS=14AWG, 100'-0" OR LESS=12AWG. FOUR (4) CONDUCTORS ARE REQUIRED TO EACH LOCATION.
11. POWER TRANSFER HINGE
12. (ED) ELECTRIFIED DOOR HARDWARE - PROVIDED BY DIV. 8. SEE DOOR HARDWARE SCHEDULE FOR EXACT DEVICE AT EACH LOCATION.
13. (DR) DOOR RELEASE BUTTON
14. (PB) PANIC BUTTON/PUSH BUTTON
15. (ICD) INTERCOM DOOR STATION
16. (ICM) INTERCOM MASTER STATION
17. PROVIDE RELAY CONNECTION FROM ICD TO THE ASSOCIATED DOOR HARDWARE FOR DOOR RELEASE INITIATED FROM THE ICM.
18. ADA DOOR ACTUATOR - PROVIDED BY DIV. 8.
19. ADA POWER SUPPLY - PROVIDED BY DIV. 8. DIV 28 13 00 SHALL PROVIDE PROGRAMMABLE RELAY SEQUENCER AS NECESSARY TO LIMIT ADA OPERATOR FUNCTION TO WHEN ACCESS CONTROL SYSTEM ALLOWS ACCESS.
20. ADA PUSH BUTTON BY DIV. 8.

PEDESTRIAN GATE ACCESS CONTROL DETAIL CONSTRUCTION NOTES

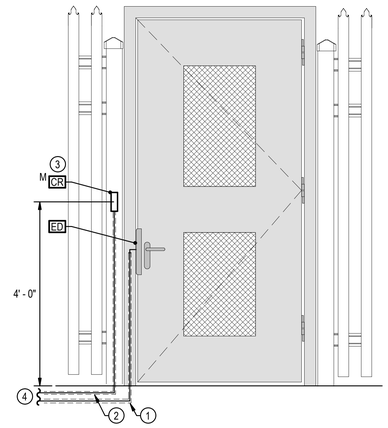
1. PROVIDE (1) 1"C. TO PEDESTRIAN GATE FRAME FOR CABLING TO GATE ELECTRIFIED DOOR HARDWARE.
2. PROVIDE MINIMUM (1) 1"C. TO HOLLOW GATE POST FOR CABLING TO GATE CARD READER.
3. SURFACE MOUNT MULLION CARD READER DIRECTLY TO GATE POST.
4. SEE SITE PLAN FOR CONDUIT ROUTING FROM EACH PEDESTRIAN GATE LOCATION.



3 / T5.14 GATE PEDESTAL BASE DETAIL
NTS



4 / T5.14 GATE PEDESTAL HOUSING MOUNTING DETAIL
NTS



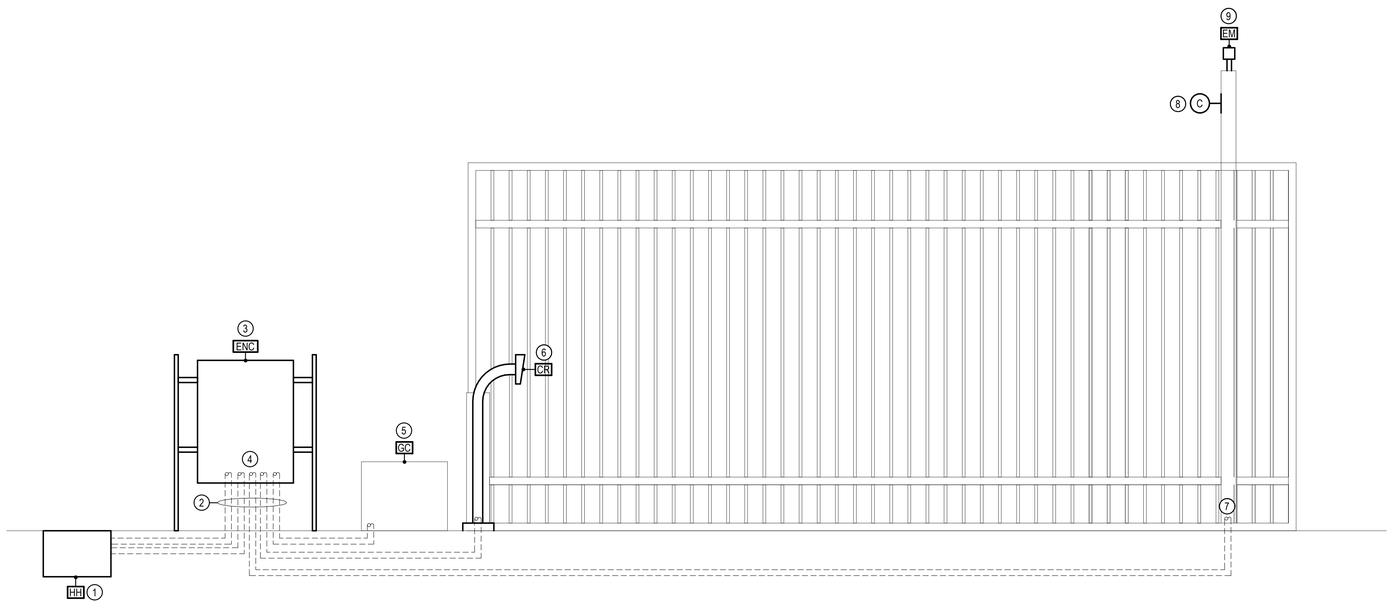
5 / T5.14 PEDESTRIAN GATE ACCESS CONTROL DETAIL
NTS

SITE GATE SECURITY INFRASTRUCTURE DETAIL GENERAL NOTES

1. CONDUITS ARE SHOWN FOR GENERAL ROUTING REQUIREMENTS ONLY. SEE SITE PLAN FOR EXACT SIZE AND QUANTITIES ROUTED BETWEEN EACH DEVICE ON SITE.
2. SEE ADDITIONAL DETAILS FOR SYSTEM CABLING AND EQUIPMENT REQUIREMENTS.

SITE GATE SECURITY INFRASTRUCTURE DETAIL CONSTRUCTION NOTES

1. SEE SITE PLAN FOR HAND HOLE LOCATIONS AND QUANTITIES.
2. ROUTE UNDERGROUND CONDUITS, SIZE AND QUANTITIES AS SHOWN ON THE SITE PLAN, FROM EACH COMPONENT.
3. E.C. SHALL PROVIDE A UNISTRUT MOUNTED NEMA 4X ENCLOSURE FOR INSTALLATION OF SECURITY SYSTEMS NETWORK/CONTROL COMPONENTS. UNISTRUT FRAME MUST BE SECURELY BOLTED TO CONCRETE PAD. ENCLOSURE MUST BE A MINIMUM 36"X36"X18" WITH HINGED LOCKABLE DOOR. 120V POWER RECEPTACLE SHALL BE INSTALLED WITHIN ENCLOSURE. PROVIDE WITH BACKPLATE AND DIN VA RAILS WITHIN ENCLOSURE FOR EQUIPMENT MOUNTING. ADD 01
4. ROUTE CONDUITS THROUGH SLAB TO ENCLOSURE KNOCKOUTS. CONDUITS MUST BE WEATHER TIGHT AT ENCLOSURE ENTRANCE POINT.
5. GATE CONTROLLER PROVIDED BY THE GATE INSTALLER.
6. CARD READER AND PEDESTAL BY DIV. 28 13 00.
7. ROUTE CONDUIT TO HOLLOW METAL GATE POST (GATE POST PROVIDED BY OTHERS) FOR CABLE ROUTING TO POLE MOUNT CCTV CAMERAS AND OPTICOM EMITTERS.
8. POLE MOUNT CCTV CAMERA BY DIV. 28 23 00.
9. OPTICOM EMITTER BY DIV. 28 13 00. MOUNT EMITTER DIRECTLY TO THE TOP OF GATE POST. COORDINATE EMITTER DIRECTION WITH OWNER.



6 / T5.14 SITE GATE SECURITY INFRASTRUCTURE DETAIL
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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
SECURITY DETAILS I

SHEET
T5.14

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025

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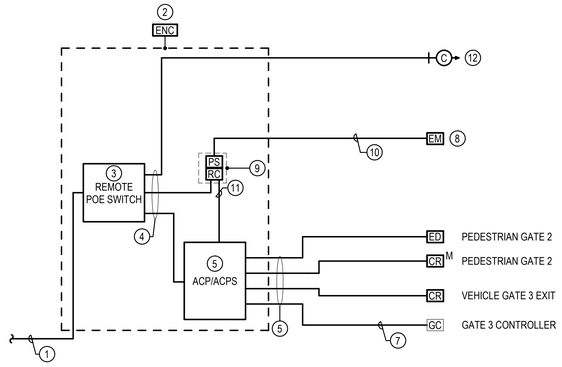
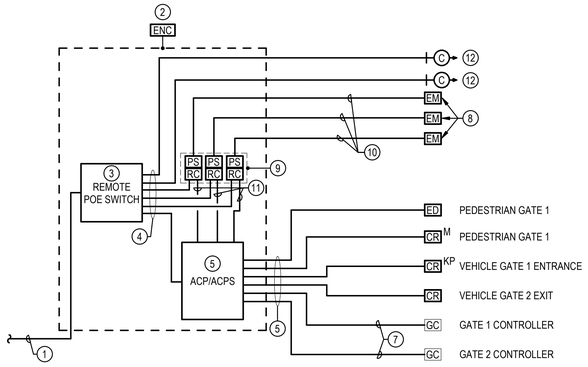


NORTHWEST GATE 3 SECURITY COMPONENTS



SOUTHEAST GATES 1 & 2 SECURITY COMPONENTS

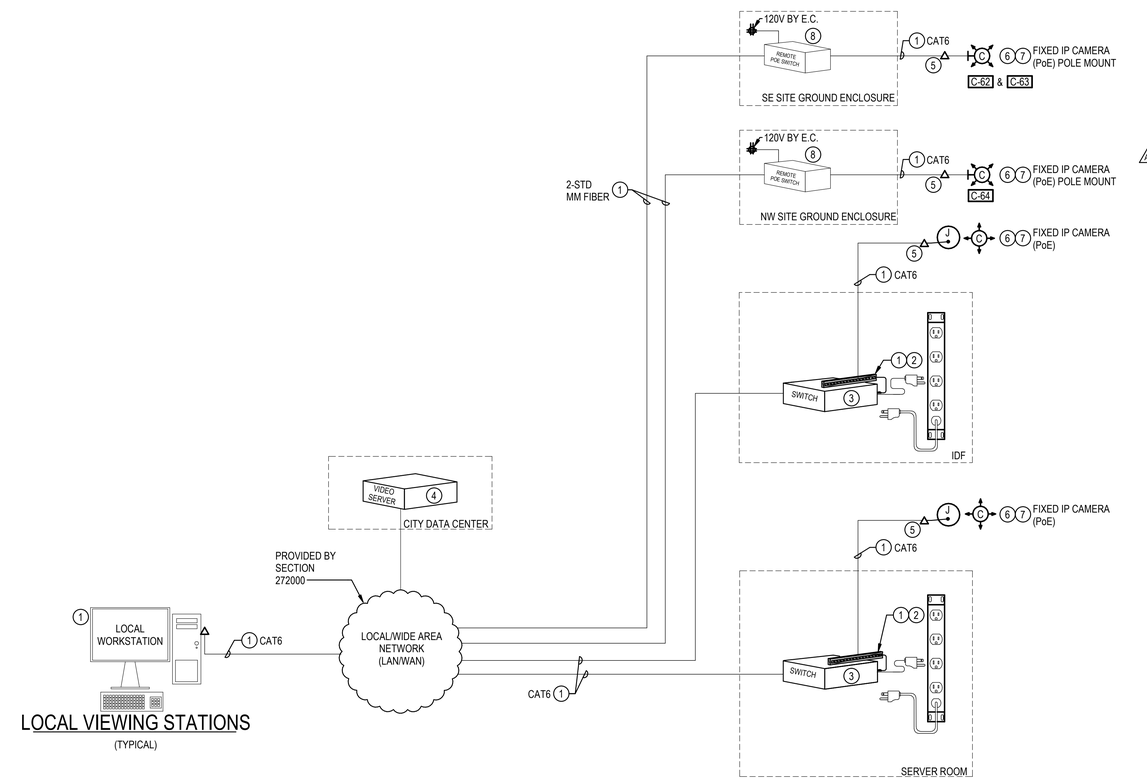
GATE SECURITY EQUIPMENT DIAGRAM GENERAL NOTES

1. DETAIL IS DIAGRAMMATIC. SEE ADDITIONAL PLANS AND DETAILS FOR INFORMATION REGARDING INFRASTRUCTURE REQUIREMENTS.

GATE SECURITY EQUIPMENT DIAGRAM CONSTRUCTION NOTES

1. 2-STRAND MULTI-MODE FIBER BY DIV. 27 20 00.
2. SYSTEMS SITE ENCLOSURE BY E.C.
3. 8-PORT HARDENED POE SWITCH (MODEL IE-3200-8P2S-E) AND POWER SUPPLY (MODEL PWR-IE170W-PC-AC) SHALL BE OFCI. ADD V1
4. CAT6 CABLE BY DIV. 27 20 00.
5. ACCESS CONTROL PANEL/POWER SUPPLY BY DIV. 28 13 00. PROVIDE EQUIPMENT TYPE AND QUANTITY AS NECESSARY TO SUPPORT ALL DEVICE CONNECTIONS.
6. MULTI-CONDUCTOR CABLING AS NECESSARY FOR ACCESS CONTROL CONNECTIONS GATE SECURITY EQUIPMENT.
7. PROVIDE RELAY CONNECTION FOR RELEASE OF GATE FROM ACCESS CONTROL SYSTEM. GATE CONTROLLER PROVIDED BY OTHERS. COORDINATE WITH GATE INSTALLER FOR EXACT CONNECTION REQUIREMENTS.
8. OPTICOM 721 EMITTER BY DIV. 28 13 00.
9. OPTICOM 764 PHASE SELECTOR AND 760 RACK CARD BY DIV. 28 13 00.
10. OPTICOM 138 DETECTOR CABLE BY DIV. 28 13 00.
11. PROVIDE RELAY CONNECTION FROM OPTICOM EQUIPMENT TO ACCESS CONTROL PANELS AS NECESSARY TO ALLOW AUTOMATIC GATE OPENING TRIGGERED FROM THE EMITTER SIGNALS.
12. POLE MOUNT CCTV CAMERA BY DIV. 28 23 00.

1 T5.15 GATE SECURITY EQUIPMENT DIAGRAM
NTS



2 T5.15 CCTV SYSTEM RISER DIAGRAM
NTS

CCTV SYSTEM RISER DIAGRAM GENERAL NOTES

1. THIS RISER DIAGRAM IS DIAGRAMMATIC IN NATURE.
2. ALL EQUIPMENT SHOWN IS TYPICAL. NOT ALL CAMERA MODELS OR INSTALLATION CONFIGURATIONS ARE SHOWN. SEE FLOOR PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. PROVIDE QUANTITIES AS REQUIRED.
3. ALL CAMERAS, CAMERA MOUNTS, AND REMOTE PoE SWITCHES SHALL BE OFCI. ALL SERVER LICENSING AND PROGRAMMING FOR THE CCTV SYSTEM SHALL BE OFOI. ADD V1
4. ALL EQUIPMENT, CCTV SYSTEM CABLING AND PROGRAMMING, SHALL BE THE RESPONSIBILITY OF ONE (1) INSTALLING VENDOR FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.
   CLARIFICATION OF SCOPE OF WORK AND DEMARCATION POINT:
   A. THE SECTION 27 20 00 DATA AND VOICE INFRASTRUCTURE INSTALLING VENDOR SHALL PROVIDE ALL CABLING AND EQUIPMENT AS IDENTIFIED IN CONSTRUCTION NOTE 1 (ON THIS SHEET).
   B. PATCH PANEL(S) AND DATA OUTLET(S) SHALL BE DEEMED THE DEMARCATION POINT. THE SECTION 282300 CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) INSTALLING VENDOR SHALL PROVIDE ALL OTHER CABLING AND EQUIPMENT UNLESS NOTED OTHERWISE. ADD V1

CCTV SYSTEM RISER DIAGRAM CONSTRUCTION NOTES

1. CAT6 CABLES, FIBER CABLES,PATCH PANELS, PATCH CORDS FOR PATCH PANELS, PATCH CORDS FOR EACH CAMERA (SIZED TO FIT), PATCH PANEL LABELING, CAT6 CABLE LABELING, AND PUNCHBLOCKS SHALL BE PROVIDED, INSTALLED, TERMINATED, AND TESTED BY SECTION 272000.
2. PROVIDE SEPARATE PATCH PANEL(S) FOR THE CCTV SYSTEM. (TYPICAL)
3. POE NETWORK SWITCH - OFOI.
4. EXISTING OWNER PROVIDED VIDEO SERVER. LICENSES FOR ALL NEW CAMERAS SHALL BE OFOI.
5. LOCATE THE TELECOMMUNICATIONS OUTLET IN THE CAMERA HOUSING OR JUNCTION BOX, UNLESS OTHERWISE NOTED. REVIEW THE SPECIFICATIONS AND MOUNTING DETAILS FOR INSTALLATION REQUIREMENTS.
6. SEE THE CAMERA INSTALLATION DETAILS FOR ROUGH-IN AND TYPICAL INSTALLATION. REFER TO MANUFACTURES RECOMMENDATIONS FOR ADDITIONAL REQUIREMENTS.
7. SEE FLOOR PLANS, SITE PLANS, AND ADDITIONAL DETAILS FOR ALL CAMERA TYPES, QUANTITIES, AND LOCATIONS.
8. FIBER TO ETHERNET POE+ HARDENED SWITCH WITH IP66 ENCLOSURE SHALL BE OFCI MOUNT WITHIN SITE ENCLOSURE. ADD V1

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
SECURITY DETAILS II

SHEET
T5.15

JOB NO. **2170269.07**

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City of Puyallup
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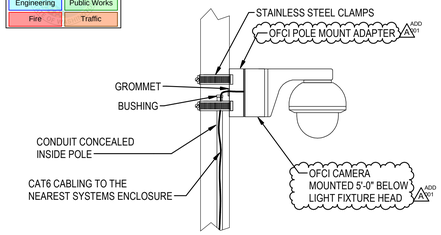


GENERAL NOTES

1. FOR CLARITY, CONDUITS ARE NOT SHOWN, EXCEPT WHERE NOTED. SEE FLOOR PLANS FOR CONDUIT REQUIREMENTS.
2. SECTION 27 2000 SHALL PROVIDE THE TELECOMMUNICATIONS OUTLET AND THE PATCH CABLES (SIZED TO FIT).

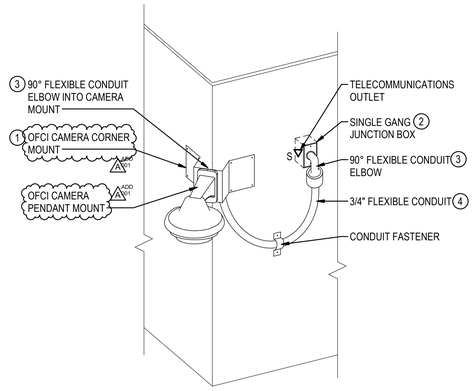
1 T5.16 POLE MOUNT CCTV CAMERA (OFCI)
NTS

GENERAL NOTES

1. FOR CLARITY, CONDUITS ARE NOT SHOWN, EXCEPT WHERE NOTED. SEE FLOOR PLANS FOR CONDUIT REQUIREMENTS.
2. SECTION 27 2000 SHALL PROVIDE THE TELECOMMUNICATIONS OUTLET AND THE PATCH CABLES (SIZED TO FIT).

CONSTRUCTION NOTES

1. REINFORCE THE WALL AND WALL SURFACE FOR (OFCI) CAMERA MOUNTING, AS REQUIRED. SECURE (OFCI) CAMERA HOUSING TO THE WALL SURFACE/STRUCTURE AS RECOMMENDED BY THE MANUFACTURER. PROVIDE WEATHER-PROOF SEALANT TO PREVENT MOISTURE PENETRATION.
2. PROVIDE (1) 3/4" CONDUIT FROM JUNCTION BOX TO THE ACCESSIBLE CEILING SPACE AS REQUIRED. PROVIDE SUPPORT AS REQUIRED FOR BOX TO BE FLUSH TO FINISHED SURFACE. PROVIDE FLASHING PAINTED TO MATCH FINISHED SIDING MATERIAL AS REQUIRED.
3. INSTALL FLEXIBLE CONDUIT 90° ELBOW BEHIND CORNER MOUNT WHERE POSSIBLE, OR INTO BOTTOM OF CAMERA IF NOT.
4. INSTALL FLEXIBLE CONDUIT AS RECOMMENDED BY THE MANUFACTURER.



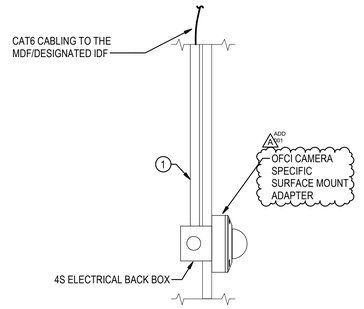
2 T5.16 CORNER MOUNT CCTV CAMERA DETAIL (OFCI)
NTS

GENERAL NOTES

1. FOR CLARITY, CONDUITS ARE NOT SHOWN, EXCEPT WHERE NOTED. SEE FLOOR PLANS FOR CONDUIT REQUIREMENTS.
2. SECTION 27 2000 SHALL PROVIDE THE TELECOMMUNICATIONS OUTLET AND THE PATCH CABLES (SIZED TO FIT).

CONSTRUCTION NOTES

1. PROVIDE (1) 3/4" CONDUIT FROM THE JUNCTION BOX TO THE ACCESSIBLE CEILING SPACE AS REQUIRED.



3 T5.16 SURFACE MOUNT CCTV MINI-DOME (WALL MOUNTING DETAIL) (OFCI)
NTS

GENERAL NOTES

1. FOR CLARITY, CONDUITS ARE NOT SHOWN, EXCEPT WHERE NOTED. SEE FLOOR PLANS FOR CONDUIT REQUIREMENTS.
2. SECTION 27 2000 SHALL PROVIDE THE TELECOMMUNICATIONS OUTLET AND THE PATCH CABLES (SIZED TO FIT).

CONSTRUCTION NOTES

1. REINFORCE THE WALL AND WALL SURFACE FOR (OFCI) CAMERA MOUNTING, AS REQUIRED. SECURE (OFCI) CAMERA HOUSING TO THE WALL SURFACE/STRUCTURE AS RECOMMENDED BY THE MANUFACTURER. PROVIDE WEATHER-PROOF SEALANT TO PREVENT MOISTURE PENETRATION.
2. EXPOSED CONDUITS ARE NOT ALLOWED.
3. PROVIDE A CABLE PATHWAY FROM THE JUNCTION BOX TO THE CAMERA, AS REQUIRED. PROVIDE (1) 3/4" CONDUIT FROM THE JUNCTION BOX TO THE ACCESSIBLE CEILING SPACE AS REQUIRED.

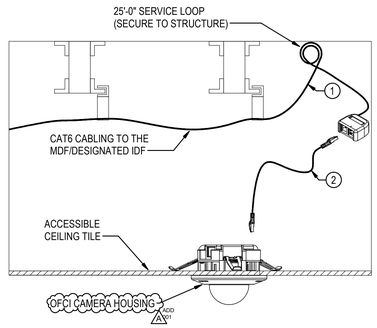
4 T5.16 TYPICAL WALL MOUNT CCTV CAMERA MOUNTING DETAIL (OFCI)
NTS

GENERAL NOTES

1. FOR CLARITY, CONDUITS ARE NOT SHOWN, EXCEPT WHERE NOTED. SEE FLOOR PLANS FOR CONDUIT REQUIREMENTS.
2. SECTION 27 2000 SHALL PROVIDE THE TELECOMMUNICATIONS OUTLET AND THE PATCH CABLES (SIZED TO FIT).

CONSTRUCTION NOTES

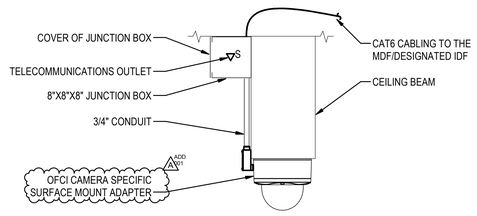
1. ROUTE THE CAT6 CABLING TO THE NEAREST TELECOMMUNICATIONS ROOM (MDF OR DESIGNATED IDF).
2. PATCH CABLE (SIZED AS REQUIRED FOR EACH LOCATION).



5 T5.16 RECESSED MOUNT CCTV MINI-DOME CAMERA (ACCESSIBLE CEILING TILE) (OFCI)
NTS

GENERAL NOTES

1. FOR CLARITY, CONDUITS ARE NOT SHOWN, EXCEPT WHERE NOTED. SEE FLOOR PLANS FOR CONDUIT REQUIREMENTS.
2. SECTION 27 2000 SHALL PROVIDE THE TELECOMMUNICATIONS OUTLET AND THE PATCH CABLES (SIZED TO FIT).
3. THE CONDUIT, FASTENERS, JUNCTION BOX, AND CUSTOM MOUNTING PLATE SHALL BE PAINTED TO MATCH THE ADJACENT SURFACE.



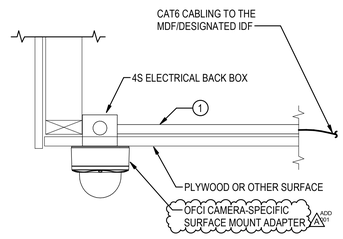
6 T5.16 SURFACE MOUNT CCTV CAMERA (CEILING BEAM) (OFCI)
NTS

GENERAL NOTES

1. FOR CLARITY, CONDUITS ARE NOT SHOWN, EXCEPT WHERE NOTED. SEE FLOOR PLANS FOR CONDUIT REQUIREMENTS.
2. SECTION 27 2000 SHALL PROVIDE THE TELECOMMUNICATIONS OUTLET AND THE PATCH CABLES (SIZED TO FIT).

CONSTRUCTION NOTES

1. PROVIDE (1) 3/4" CONDUIT FROM THE JUNCTION BOX TO THE ACCESSIBLE CEILING SPACE AS REQUIRED, UNLESS NOTED OTHERWISE.



7 T5.16 SURFACE MOUNT CCTV CAMERA (INACCESSIBLE CEILING) (OFCI)
NTS

28 23 00 CCTV CAMERA MATRIX

CAMERA NO.	LOCATION	ELEVATION	MOUNT	TYPE	AXIS MODEL
C-01	EXTERIOR	10'	SURFACE	5MP SINGLE-SENSOR	P3267-LVE
C-02	EXTERIOR	11'	CORNER	4x5MP MULTI-SENSOR	P3737-PLE
C-03	EXTERIOR	10'	WALL	4x5MP MULTI-SENSOR	P3737-PLE
C-04	EXTERIOR	11'	CORNER	4x8MP MULTI-SENSOR	P3738-PLE
C-05	EXTERIOR	11'	SURFACE	2MP SINGLE-SENSOR	P3265-LVE
C-06	EXTERIOR	11'	SURFACE	2MP SINGLE-SENSOR	P3265-LVE
C-07	EXTERIOR	10'	SURFACE	2MP SINGLE-SENSOR	P3265-LVE
C-08	EXTERIOR	11'	CORNER	4x2MP MULTI-SENSOR	P3735-PLE
C-09	EXTERIOR	11'	CORNER	4x5MP MULTI-SENSOR	P3737-PLE
C-10	INTERIOR	10'	WALL	2MP SINGLE-SENSOR	P3265-LV
C-11	INTERIOR	10'	WALL	5MP SINGLE-SENSOR	P3267-LV
C-12	INTERIOR	10'	CEILING	6MP FISHEYE	M4327-P
C-13	INTERIOR	10'	CEILING	2MP SINGLE-SENSOR	P3265-LV
C-14	INTERIOR	10'	CEILING	5MP SINGLE-SENSOR	P3267-LV
C-15	INTERIOR	11'	WALL	5MP SINGLE-SENSOR	P3267-LV
C-16	INTERIOR	12'	CEILING	5MP SINGLE-SENSOR	P3267-LV
C-17	INTERIOR	10'	WALL	2MP SINGLE-SENSOR	P3265-LV
C-18	INTERIOR	10'	WALL	2MP SINGLE-SENSOR	P3265-LV
C-19	INTERIOR	9'	WALL	2MP SINGLE-SENSOR	P3265-LV
C-20	INTERIOR	7'	WALL	2MP SINGLE-SENSOR	P3265-LV
C-21	INTERIOR	11'	CEILING	6MP FISHEYE	M4327-P
C-22	INTERIOR	12'	CEILING	6MP FISHEYE	M4327-P
C-23	INTERIOR	11'	CEILING	6MP FISHEYE	M4327-P
C-24	INTERIOR	12'	CEILING	6MP FISHEYE	M4327-P
C-25	INTERIOR	12'	CEILING	6MP FISHEYE	M4327-P
C-26	INTERIOR	10'	CEILING	2MP SINGLE-SENSOR	P3265-LV
C-27	INTERIOR	10'	CEILING	2MP SINGLE-SENSOR	P3265-LV
C-28	INTERIOR	9'	WALL	6MP FISHEYE	M4327-P
C-29	INTERIOR	10'	CEILING	6MP FISHEYE	M4327-P
C-30	INTERIOR	10'	CEILING	6MP FISHEYE	M4327-P
C-31	INTERIOR	10'	CEILING	2MP SINGLE-SENSOR	P3265-LV
C-32	INTERIOR	10'	CEILING	2MP SINGLE-SENSOR	P3265-LV
C-33	INTERIOR	9'	WALL	2MP SINGLE-SENSOR	P3265-LV
C-34	INTERIOR	9'	WALL	5MP SINGLE-SENSOR	P3267-LV
C-35	INTERIOR	17'	SURFACE	6MP FISHEYE	M4327-P
C-36	INTERIOR	9'	WALL	5MP SINGLE-SENSOR	P3267-LV
C-37	INTERIOR	9'	WALL	DUAL-SENSOR	P4705-PLVE
C-38	INTERIOR	10'	CEILING	2MP SINGLE-SENSOR	P3265-LV
C-39	INTERIOR	9'	WALL	2MP SINGLE-SENSOR	P3265-LV
C-40	INTERIOR	9'	WALL	2MP SINGLE-SENSOR	P3265-LV
C-41	INTERIOR	10'	CEILING	2MP SINGLE-SENSOR	P3265-LV
C-42	INTERIOR	10'	CEILING	2MP SINGLE-SENSOR	P3265-LV
C-43	INTERIOR	10'	CEILING	6MP FISHEYE	M4327-P
C-44	INTERIOR	9'	WALL	2MP SINGLE-SENSOR	P3265-LV
C-45	INTERIOR	9'	WALL	2MP SINGLE-SENSOR	P3265-LV
C-46	INTERIOR	9'	WALL	2MP SINGLE-SENSOR	P3265-LV
C-47	INTERIOR	12'	CEILING	4MP SINGLE-SENSOR IMPACT RESISTANT	Q9216-SLV
C-48	INTERIOR	12'	CEILING	4MP SINGLE-SENSOR IMPACT RESISTANT	Q9216-SLV
C-49	INTERIOR	12'	CEILING	4MP SINGLE-SENSOR IMPACT RESISTANT	Q9216-SLV
C-50	INTERIOR	12'	CEILING	4MP SINGLE-SENSOR IMPACT RESISTANT	Q9216-SLV
C-51	INTERIOR	10'	WALL	2MP SINGLE-SENSOR	P3265-LV
C-52	INTERIOR	10'	CEILING	2MP SINGLE-SENSOR	P3265-LV
C-53	INTERIOR	11'	CEILING	6MP FISHEYE	M4327-P
C-54	INTERIOR	9'	CEILING	2MP SINGLE-SENSOR	P3265-LV
C-55	INTERIOR	9'	CEILING	2MP SINGLE-SENSOR	P3265-LV
C-56	INTERIOR	12'	CEILING	2MP SINGLE-SENSOR	P3265-LV
C-57	INTERIOR	12'	CEILING	2MP SINGLE-SENSOR	P3265-LV
C-58	INTERIOR	11'	CEILING	2MP SINGLE-SENSOR	P3265-LV
C-59	INTERIOR	11'	CEILING	2MP SINGLE-SENSOR	P3265-LV
C-60	INTERIOR	11'	CEILING	6MP FISHEYE	M4327-P
C-61	INTERIOR	10'	CEILING	2MP SINGLE-SENSOR	P3265-LV
C-62	EXTERIOR	11'	POLE	8MP SINGLE-SENSOR	P3268-LVE
C-63	EXTERIOR	11'	POLE	8MP SINGLE-SENSOR	P3268-LVE
C-64	EXTERIOR	11'	POLE	8MP SINGLE-SENSOR	P3268-LVE
C-65	INTERIOR	9'	SURFACE	2MP SINGLE-SENSOR	P3265-LV
C-66	INTERIOR	9'	WALL	2MP SINGLE-SENSOR	P3265-LV
C-67	INTERIOR	10'	CEILING	6MP FISHEYE	M4327-P

TOTAL CAMERAS: 67

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BENJAMIN R. HEDIN — STATE OF WASHINGTON — 24009 — REGISTERED PROFESSIONAL ENGINEER — 04/04/2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Addendum 001	04/04/2025

SHEET TITLE:
SECURITY DETAILS III

SHEET
T5.16

JOB NO. **2170269.07**

Permit/Bid Set 03.04.2025
Autodesk Docs://PPSB Benaroya/51524018 2-2023-TSC-MEP.rvt 4/2/2025 1:13:31 PM 1/8" = 1'-0"

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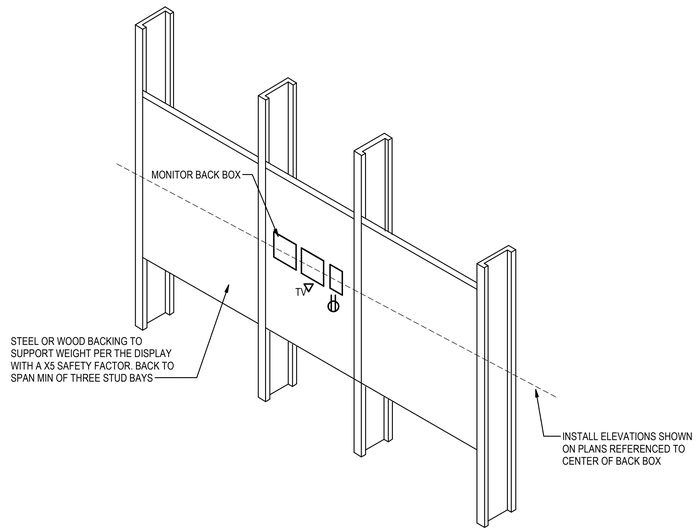
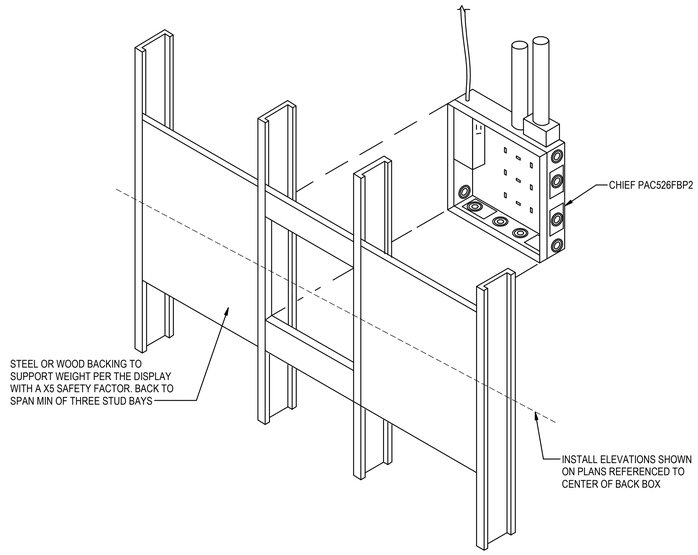
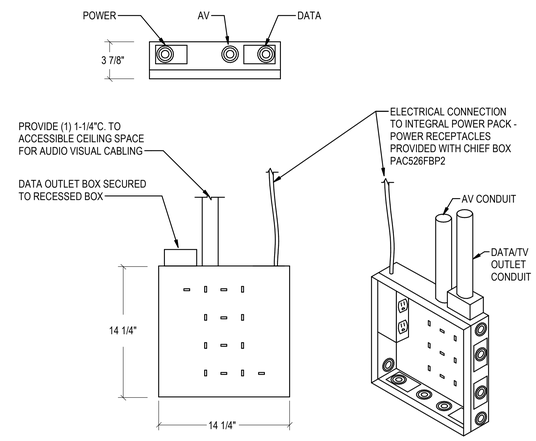


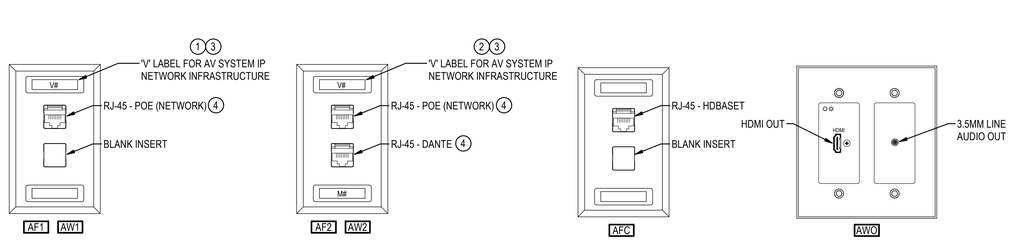
1 T5.17 MONITOR MOUNTING DETAIL - ON WALL
NTS



2 T5.17 MONITOR MOUNTING DETAIL - SPECIALTY LARGE MONITOR BACKBOX
NTS



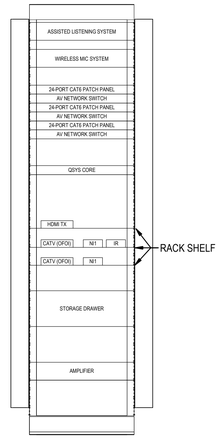
3 T5.17 SPECIALTY LARGE MONITOR BACKBOX DETAIL - CHIEF PAC526FBP2
NTS



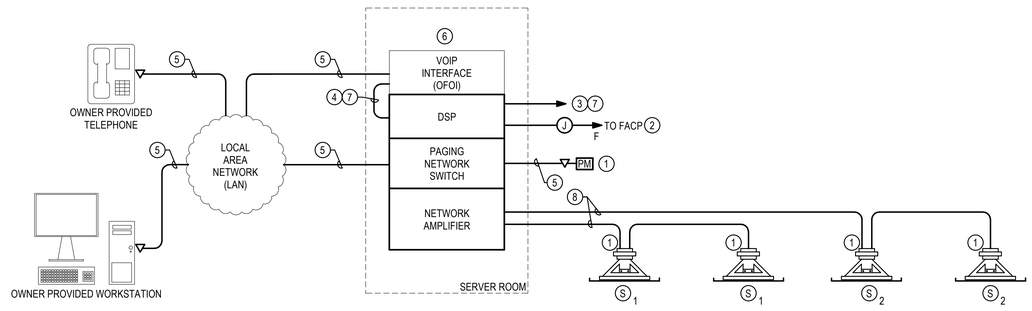
4 T5.17 AUDIO VISUAL PLATE DETAILS
NTS

CONSTRUCTION NOTES

1. 1-PORT PLATES FOR AV IP NETWORK INFRASTRUCTURE SHALL HAVE (1) PORT DESIGNATED 'V' FOR VIDEO/NETWORK INTERFACE UNIT CONNECTION.
2. 2-PORT PLATES FOR AV IP NETWORK INFRASTRUCTURE SHALL HAVE (1) PORT DESIGNATED 'V' FOR VIDEO/NETWORK INTERFACE UNIT CONNECTION AND (1) PORT DESIGNATED 'M' FOR DANTE MICROPHONE CONNECTION.
3. PORT NUMBERS SHALL BE ORDERED SEQUENTIALLY THROUGHOUT A ROOM TO CORRESPONDING PATCH PANEL TERMINATION PORT.
4. PROVIDE MODULAR JACK INSERT. ALL AV IP NETWORK JACKS SHALL BE PURPLE IN COLOR.



5 T5.17 AV RACK ELEVATION
1" = 1'-0"



6 T5.17 PAGING SYSTEM RISER DIAGRAM
NTS

PAGING SYSTEM RISER DIAGRAM GENERAL NOTES

1 ALL CABLING AND RELATED EQUIPMENT SHALL BE PROVIDED AND INSTALLED BY THE DIV. 27 51 13 PAGING SYSTEM CONTRACTOR, UNLESS NOTED OTHERWISE.

PAGING SYSTEM RISER DIAGRAM CONSTRUCTION NOTES

1. PROVIDE QUANTITIES WHERE SHOWN ON THE PLANS
2. WHEN THE FIRE ALARM SYSTEM IS IN GENERAL ALARM, THE SOUND SYSTEM(S) SHALL BE MUTED. PROGRAM THE FACP AND RELATED EQUIPMENT AS REQUIRED. SEE DIV. 28 3176 AND DIV. 27 5113 FOR INTEGRATION REQUIREMENTS.
3. PROVIDE LINE AUDIO INPUT CONNECTION FROM POLICE RADIO RECEIVER. POLICE RADIO RECEIVER SHALL BE OFOI. POLICE RADIO AUDIO SIGNAL SHALL BE DISTRIBUTED ONLY TO SPEAKERS IDENTIFIED AS ZONE 1.
4. PROVIDE LINE AUDIO INPUT CONNECTION FROM VOIP INTERFACE DEVICE. VOIP INTERFACE SHALL BE OFOI. PAGING AUDIO SIGNAL FROM VOIP SYSTEM SHALL BE DISTRIBUTED THROUGHOUT THE SYSTEM AS AN ALL CALL OPERATION.
5. DIV. 27 2000 SHALL PROVIDE AND INSTALL ALL: DATA CABLING AND PATCH PANELS, AS REQUIRED. TERMINATE AND TEST AS REQUIRED, UNLESS OTHERWISE NOTED.
6. RACK, PROVIDED BY DIV. 27 20 00.
7. LINE AUDIO BY DIV. 27 51 13.
8. SPEAKER AUDIO BY DIV. 27 51 13.

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REGISTERED
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02/28/2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
AUDIO VISUAL DETAILS I

SHEET
T5.17

JOB NO. **2170269.07**

PERMIT/BID SET - 03.04.2025

City of Puyallup
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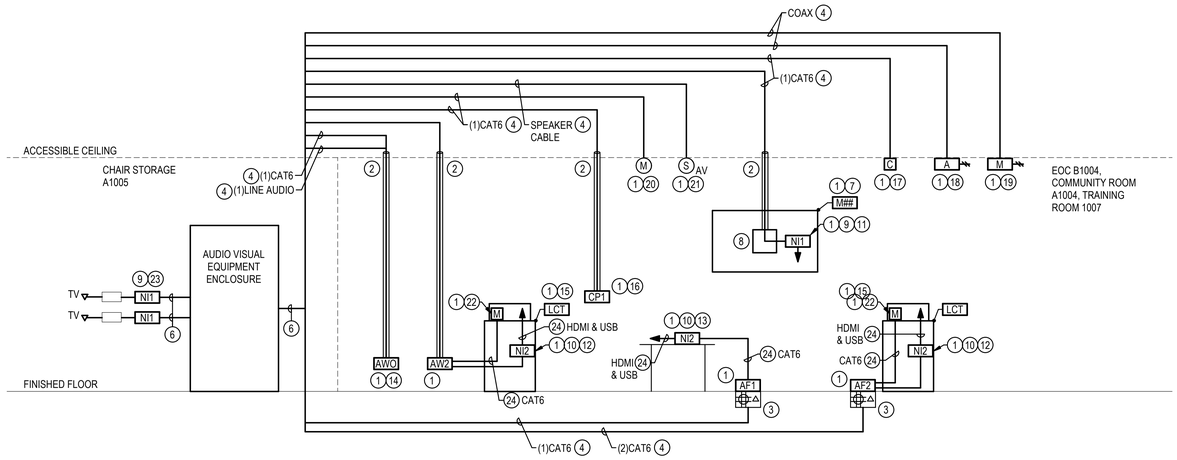


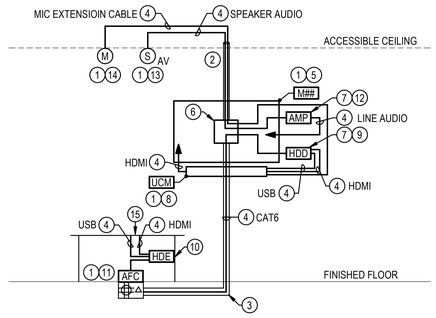
1 T5.18 INTEGRATED AUDIO VISUAL SYSTEM DETAIL
NTS

INTEGRATED AV SYSTEM DETAIL GENERAL NOTES

1. SEE DIV. 27 41 16 FOR ADDITIONAL SYSTEM REQUIREMENTS AND EQUIPMENT INFORMATION.
2. EOC, COMMUNITY ROOMS, AND TRAINING ROOM SHALL OPERATE ON A SINGLE INTEGRATED IP BASED AUDIO VISUAL SYSTEM
3. DIV. 27 41 16 INSTALLING CONTRACTOR IS RESPONSIBLE FOR ALL AV NETWORK INFRASTRUCTURE INCLUDING CAT6 CABLING, CONNECTIONS, NETWORK SWITCHES, ETC.
4. DIV. 27 20 00 SHALL PROVIDE BUILDING LAN AND COAX CONNECTION TO EQUIPMENT RACKS AND MONITORS WHERE SHOWN ON THE PLANS.
5. ALL AV NETWORK CAT6 CABLING SHALL BE PURPLE IN COLOR WITH PURPLE MODULAR JACK INSERTS AT FACEPLATES. CABLING SHALL BE ROUTED ABOVE THE ACCESSIBLE CEILING SPACE WITH DEDICATED J-HOOKS TO THE AV EQUIPMENT RACKS.
6. CABLING ABOVE ACCESSIBLE CEILING SPACE MUST BE PLENUM RATED OR ROUTED IN CONDUIT.
7. AV NETWORK CAT6 CABLING ROUTED DIRECTLY TO EQUIPMENT SHALL TERMINATE ON A MALE RJ-45 CONNECTOR AT THE EQUIPMENT END FOR CONNECTION TO DEVICE.

INTEGRATED AV SYSTEM DETAIL CONSTRUCTION NOTES

1. SEE THE FLOOR PLANS FOR EXACT QUANTITIES AND LOCATIONS OF DEVICE.
2. PROVIDE CONDUIT FROM BACK BOX UP TO ACCESSIBLE CEILING SPACE.
3. PROVIDE (1) 1-1/4" UNDERGROUND CONDUIT FOR AUDIO VISUAL CABLING AT FLOOR BOX LOCATIONS SHOWN WITH 'AF#' CONNECTIVITY, IN ADDITION TO POWER AND DATA CONDUIT REQUIREMENTS SPECIFIED ELSEWHERE. ROUTE AUDIO VISUAL CONDUIT TO CHAIR STORAGE 105.
4. THESE CABLES ARE PROVIDED AND INSTALLED BY THE DIV. 27 41 16 INSTALLING CONTRACTOR.
5. THESE CABLES ARE PROVIDED AND INSTALLED BY THE DIV. 27 20 00 INSTALLING CONTRACTOR.
6. ROUTE CABLES FROM EACH DEVICE, TO THE APPROPRIATE TERMINALS WITHIN THE RACK, WITHOUT ANY SPLICES.
7. MONITOR - SIZE AS INDICATED ON PLANS. PROVIDE WITH ASSOCIATED MOUNTING HARDWARE FOR EACH LOCATION.
8. PROVIDE LARGE RECESSED STORAGE BOX AT MONITOR LOCATIONS WITHIN EOC, COMMUNITY ROOM, AND TRAINING ROOM.
9. NETWORK INTERFACE 1 - Q-SYS NV-21-HU.
10. NETWORK INTERFACE 2 - Q-SYS NV-32-H.
11. SECURE DEVICE WITHIN RECESSED STORAGE BOX.
12. SECURE DEVICE TO SHELF WITHIN LECTERN RACKING SYSTEM.
13. (2) NI2 LOCATIONS SHOWN IN EOC SHALL BE FLOATING DEVICES FOR CONNECTION TO FLOORBOX AF1 PLATES.
14. AUDIO VISUAL OUTPUT WALL PLATE. PROVIDE HDBASE-T DECODER AND LINE AUDIO CONNECTION FOR SELECTABLE AUDIO AND VIDEO OUTPUTS FOR USE BY 3RD PARTY BROADCASTING.
15. MOBILE LECTERN - PROVIDED AS SPECIFIED BY THE DIV. 27 41 16 INSTALLING CONTRACTOR.
16. TOUCH SCREEN CONTROL PANEL.
17. CEILING MOUNT PTZ CAMERA.
18. CEILING MOUNT ASSISTED LISTENING TRANSMITTER ANTENNA.
19. CEILING MOUNT WIRELESS MICROPHONE RECEIVER ANTENNA.
20. CEILING MOUNT MICROPHONE ARRAY.
21. CEILING MOUNT SPEAKER.
22. GOOSENECK DANTE MICROPHONE. FREE STANDING ON LECTERN.
23. DEDICATED NI1 ENCODERS AT AUDIO VISUAL RACK FOR CATV FEEDS. SYSTEM SHALL ACCOMMODATE (2) SEPARATE OWNER FURNISHED CATV BOXES.
24. PATCH CORDS FOR IN ROOM EQUIPMENT CONNECTIONS PROVIDED BY DIV. 27 41 16.



2 T5.18 LARGE CONFERENCE ROOM AUDIO VISUAL DETAIL
NTS

LARGE CONFERENCE ROOM DETAIL GENERAL NOTES

1. SEE DIV. 27 41 00 FOR ADDITIONAL SYSTEM REQUIREMENTS AND EQUIPMENT INFORMATION.
2. LARGE CONFERENCE ROOM AV SYSTEM APPLIES TO ROOMS A1038, A1072, AND A1077.

LARGE CONFERENCE ROOM DETAIL CONSTRUCTION NOTES

1. SEE THE FLOOR PLANS FOR EXACT QUANTITIES AND LOCATIONS OF DEVICE.
2. PROVIDE CONDUIT FROM BACK BOX UP TO ACCESSIBLE CEILING SPACE.
3. PROVIDE (1) 1-1/4" UNDERGROUND CONDUIT FOR AUDIO VISUAL CABLING AT FLOOR BOX LOCATIONS.
4. THESE CABLES ARE PROVIDED AND INSTALLED BY THE DIV. 27 41 00 INSTALLING CONTRACTOR.
5. MONITOR - SIZE AS INDICATED ON PLANS. PROVIDE WITH ASSOCIATED MOUNTING HARDWARE FOR EACH LOCATION.
6. PROVIDE LARGE RECESSED STORAGE BOX AT MONITOR LOCATIONS WITHIN EOC, COMMUNITY ROOM, AND TRAINING ROOM.
7. SECURE DEVICE WITHIN RECESSED STORAGE BOX.
8. USB VIDEO TELECONFERENCING UNIT. MOUNT BELOW MONITOR WITH TV MOUNT ADAPTER.
9. HDMI/USB DECODER.
10. HDMI/USB ENCODER. MOUNT TO UNDERSIDE OF CONFERENCE TABLE.
11. AV FLOOR BOX PLATE - PROVIDE WITH (1) RJ-45 CONNECTION.
12. 70V AMPLIFIER.
13. CEILING MOUNT SPEAKER.
14. CEILING MOUNT EXPANSION MICROPHONE.
15. TABLE TOP CONNECTORS PROVIDED BY FURNITURE INSTALLER. AV CONTRACTOR SHALL MAKE CONNECTIONS INTO THE TABLE TOP CONNECTORS.

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
AUDIO VISUAL DETAILS II

SHEET
T5.18

JOB NO. 2170269.07

PERMIT/BID SET - 03.04.2025
Autodesk Docs://PPSB Benaroya/515240182-2023-TSC-MEP.rvt 2/28/2025 11:46:31 AM 1/8" = 1'-0"

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FIRE ALARM S SYSTEM LEGEND

SYMBOL	DESCRIPTION
FACP	EXISTING SILENT KNIGHT MODEL 6820 FIRE ALARM SYSTEM CONTROL PANEL
FAPS	FIRE ALARM SYSTEM POWER SUPPLY FOR NOTIFICATION DEVICES
FARAP	FIRE ALARM SYSTEM REMOTE ANNUNCIATOR PANEL
BAT	BATTERY CABINET
GMAP	GRAPHIC MAP
	SMOKE DETECTOR (CEILING MOUNTED)
C/O	CARBON MONOXIDE SENSOR
P	MANUAL PULL STATION - WALL MOUNT OPERABLE PART BETWEEN 42" AND 48" ABOVE FINISH FLOOR
	DUCT SMOKE DETECTOR
RT / RI	REMOTE TEST STATION / REMOTE INDICATOR
M	FIRE ALARM SYSTEM MONITOR MODULE
R	FIRE ALARM SYSTEM RELAY MODULE
	FIRE ALARM HORN W/CLEAR (WHITE) STROBE - WALL MOUNTED W/ THE ENTIRE STROBE LENS NOT LESS THAN 80" OR MORE THAN 96" ABOVE THE FINISHED FLOOR OR NOT MORE THAN 6" BELOW THE CEILING, WHICHEVER IS LOWER
	FIRE ALARM CLEAR (WHITE) STROBE ONLY - WALL MOUNTED WITH THE ENTIRE STROBE LENS NOT LESS THAN 80" OR MORE THAN 96" ABOVE THE FINISHED FLOOR OR NOT MORE THAN 6" BELOW THE CEILING, WHICHEVER IS LOWER
	COMBINATION FIRE ALARM HORN AND SINGLE CLEAR (WHITE) STROBE APPLIANCE - CEILING MOUNTED
	FIRE ALARM STROBE ONLY - CEILING MOUNTED
	DOOR HOLDER
FSD	FIRE / SMOKE DAMPER

MISCELLANEOUS

SYMBOL	DESCRIPTION
1 / A	MECHANICAL EQUIPMENT CONNECTION - "1" INDICATES MECHANICAL EQUIPMENT TYPE AND "A" INDICATES THE MECHANICAL EQUIPMENT IDENTIFICATION.
1	CONSTRUCTION NOTES
1	RISER NOTES
J	JUNCTION BOX
FA	FA INDICATES FIRE ALARM
AC	AC INDICATES ABOVE CEILING (TRUE CEILING)
AL	AL INDICATES ANTI-LIGATURE COVER
W	W INDICATES WEATHERPROOF DEVICE

FIRE ALARM SYSTEM EQUIPMENT REQUIREMENTS

1. THE FIRE ALARM SYSTEM SHALL BE FULLY FUNCTIONAL WITHOUT THE USE OF PRIMARY POWER. THE FIRE ALARM SYSTEM SHALL BE PROVIDED WITH A MINIMUM OF 24 HOURS OF STANDBY OPERATION FOLLOWED BY AN ADDITIONAL 5 MINUTES OF ALARM OPERATION.
2. ALL BATTERIES SHALL PROVIDE AT LEAST 25% SPARE CAPACITY.
3. THE FIRE ALARM SYSTEM CONTROL PANEL (FACP) MAY INCLUDE INTERNAL POWER SUPPLIES. THE FIRE ALARM SYSTEM POWER SUPPLIES (FAPS) ARE SHOWN FOR REFERENCE ONLY. PROVIDE ADDITIONAL QUANTITIES OF POWER SUPPLIES AS REQUIRED FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM. THE FIRE ALARM SYSTEM CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE ELECTRICAL CONTRACTOR FOR ALL POWER CONNECTIONS THE FIRE ALARM SYSTEM CONTRACTOR SHALL BE RESPONSIBLE FOR THE ELECTRICAL COSTS ASSOCIATED WITH ALL NON-COORDINATED POWER CONNECTIONS.
4. PROVIDE 25% SPARE CAPACITY FOR NOTIFICATION POWER SUPPLIES.
5. PROVIDE MULTIPLE INITIATING DEVICE CIRCUITS AND SIGNALING LINE CIRCUITS SO THAT FAILURE OF ONE CIRCUIT DOES NOT CAUSE THE FACILITY TO LOSE OVER 50% OF ITS DETECTION CAPABILITY PER FLOOR.
6. PROVIDE A MINIMUM OF 2 ISOLATION MODULES PER CIRCUIT. EACH CIRCUIT SHALL HAVE A MAXIMUM OF 20 DEVICES PER ISOLATION MODULE.
7. PROVIDE BATTERY CALCULATIONS FOR ALL FIRE ALARM SYSTEMS.
8. PROVIDE AUDIO AMPLIFIERS, SWITCHES, AND OTHER APPURTENANCES, AS REQUIRED.
9. PROVIDE AUDIO AMPLIFIER WITH 50% SPARE CAPACITY FOR VOICE NOTIFICATION
10. AMPLIFIER CIRCUITS SHALL BE LOADED TO NO MORE THAN 75% OF RATED CONTINUOUS CAPACITY WHEN PRODUCING SOUND LEVELS AS REQUIRED BY N.F.P.A. #72 AGAINST NORMAL AMBIENT BACKGROUND NOISE LEVELS.

Separate fire alarm permit is required.
Plans for reference only.

FIRE ALARM SYSTEM FLOOR PLAN GENERAL NOTES

1. **BCE FIRE ALARM SYSTEM CONTRACT DRAWINGS ARE NOT A COMPLETE DESIGN OR 100% LAYOUT AND ARE SIMPLY CONCEPTUAL. THIS LAYOUT IDENTIFIES PROPOSED LOCATIONS OF DEVICES AND KEY CRITICAL ASPECTS OF THE FIRE ALARM SYSTEM. THEY ARE MEANT TO PROVIDE A GUIDE FOR COORDINATING ARCHITECTURAL, ELECTRICAL, AND MECHANICAL FEATURES OF THE BUILDING DESIGN AND TO AID THE NICET DESIGNER IN CREATING SHOP DRAWINGS IN ACCORDANCE WITH NFPA 72, STATE & LOCAL REQUIREMENTS. THE CONTRACTORS AND THE FIRE ALARM SYSTEM DESIGNER SHALL COORDINATE THE EXACT QUANTITIES AND LOCATIONS OF ALL SYSTEM COMPONENTS BETWEEN TRADES AND/OR EXISTING CONDITIONS.**
2. PROVIDE ALL MATERIALS, EQUIPMENT, LABOR, DESIGN AND PROGRAMMING FOR THE *MODIFICATION OF A COMPLETE EXISTING, ADDRESSABLE LOW VOLTAGE 24 VOLT D.C., FULLY OPERATIONAL FIRE ALARM SYSTEM*, ALL EQUIPMENT PROVIDED FOR THIS PROJECT SHALL BE NEW, CURRENTLY MANUFACTURED, AND SHALL BE DELIVERED TO THE PROJECT SITE WITH THE ORIGINAL FACTORY SEAL INTACT. MATERIALS AND WORKMANSHIP SHALL FULLY COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (N.F.P.A. #70), NATIONAL FIRE ALARM AND SIGNALING CODE (N.F.P.A. #72), THE LAWS AND REGULATIONS OF WASHINGTON STATE, THE CITY OF PUYALLUP MUNICIPAL CODE.
   - 2.1. THIS BUILDING IS WITHIN THE CITY OF PUYALLUP CITY LIMITS. PER THE CITY OF PUYALLUP MUNICIPAL CODE THE FIRE ALARM SYSTEM SHALL BE TOTAL COVERAGE SMOKE DETECTION IN ALL SPACES PER NFPA #72.
   - 2.2. THE NICET DESIGNER SHALL BE RESPONSIBLE FOR DESIGN, LAYOUT, AND COORDINATION OF SMOKE DETECTION COVERAGE IN ALL CONCEALED SPACES PER NFPA #72
   - 2.3. THE CITY OF PUYALLUP REQUIRES THAT THE FIRE ALARM SYSTEM CONTRACTOR SHOW SECTION VIEWS OF ALL INTERSTITIAL SPACES. ABOVE CEILING GRID, ABOVE CEILING HARD LIDS, BEAM POCKETS ABOVE AND BELOW CEILINGS, CLOUDS, AND ROOF SLOPE FOR ATTIC DETECTION.
   - 2.4. TOTAL COVERAGE IS DEFINED IN SECTION 17.5.3.1 OF NFPA #72
     - 2.4.1. 17.5.3.1 TOTAL (COMPLETE) COVERAGE. WHERE REQUIRED BY LAWS,CODES, OR STANDARDS, AND UNLESS OTHERWISE MODIFIED BY 17.5.3.1.1 THROUGH 17.5.3.1.5, TOTAL COVERAGE SHALL INCLUDE ALL ROOMS, HALLS, STORAGE AREAS, BASEMENTS, ATTICS, LOFTS, SPACES ABOVE SUSPENDED CEILINGS, AND OTHER SUBDIVISIONS AND ACCESSIBLE SPACES, AS WELL AS THE INSIDE OF ALL CLOSETS, ELEVATOR SHAFTS, ENCLOSED STAIRWAYS, DUMBWAITER SHAFTS, AND CHUTES.
   - 2.5. ***CITY OF PUYALLUP MUNICIPAL CODE 17.16.070 INSTALLATION REQUIREMENTS.***
     - 2.5.1. THE FIRE ALARM SYSTEM SHALL BE DESIGNED TO "TOTAL COVERAGE" PER NFPA 72 UNLESS A LESSER COVERAGE IS APPROVED BY THE FIRE CODE OFFICIAL. (ORD. 2801 § 6, 2004).
3. THE INITIATION DEVICES, NOTIFICATION APPLIANCES, HEAD END EQUIPMENT, ETC. SHOWN ON THESE CONTRACT DOCUMENTS ARE TO ASSIST THE FIRE ALARM CONTRACTOR IN THE DESIGN OF THE FIRE ALARM SYSTEM. ALL REQUIRED DEVICES MAY NOT BE INDICATED AND WILL BE THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR TO PROVIDE.
4. COORDINATE EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL WALL MOUNTED DEVICES WITH ARCHITECTURAL ELEVATIONS.
5. CORE DRILLED HOLES SHALL NOT PENETRATE THROUGH ANY STRUCTURAL BEAMS, REBAR CONCRETE SLABS, AND / OR WALLS THAT MAY COMPROMISE THE STRUCTURAL INTEGRITY OF THE BUILDING.
6. WHEN PENETRATING FIRE RATED WALLS, FLOORS, OR CEILINGS, THE CONTRACTOR SHALL UTILIZE APPROVED FIRE RATED PENETRATION METHODS. THE FIRE RATING OF THE WALLS, FLOORS, OR CEILINGS SHALL BE MAINTAINED AFTER THE CONDUIT HAS BEEN INSTALLED.
7. PRIOR TO ROUGH-IN, COORDINATE EXACT LOCATIONS OF FIRE ALARM APPLIANCES AND DEVICES WITH THE GENERAL ELECTRICAL, MECHANICAL, AND FIRE PROTECTION CONTRACTORS.
8. THE GENERAL CONTRACTOR AND FIRE ALARM SYSTEM CONTRACTOR SHALL COORDINATE ALL CUTTING, PATCHING AND FINISH WORK.
9. ALL MANUAL PULL STATIONS SHALL BE DUAL ACTION, KEY OPERABLE. THE USE OF BREAK GLASS FRONT STATIONS ARE NOT ALLOWED.
8. EACH NEW WATER FLOW SWITCH, PRESSURE SWITCH, OR TAMPER SWITCH SHALL HAVE A SEPARATE AND UNIQUE ADDRESS.
9. UNLESS OTHERWISE NOTED IN THESE DRAWINGS, THE BASIS FOR THE VISUAL NOTIFICATION APPLIANCES (STROBES) INDICATED ON THE CONTRACT DOCUMENTS IS THE UTILIZATION OF (75) CANDELA (C.D.) AT A 44'-0" X 44'-0" SPACING FOR CEILING MOUNTED APPLIANCES AND 45'-0" X 45'-0" SPACING FOR WALL MOUNTED APPLIANCES. IF THE FIRE ALARM SYSTEM CONTRACTOR DECIDES TO INSTALL LOWER OUTPUT VISUAL APPLIANCES, IT BECOMES THE RESPONSIBILITY OF THE FIRE ALARM SYSTEM CONTRACTOR TO MEET THE MINIMUM CANDELA (C.D.) RATING AT THE LISTED MAXIMUM ROOM SIZE INDICATED IN TABLE 18.5.5.4.1(A) FOR WALL MOUNTED VISIBLE APPLIANCES OR TABLE 18.5.5.4.1(B) FOR CEILING MOUNTED VISIBLE APPLIANCES IN THE 2013 EDITION OF N.F.P.A. #72.
10. ALL ADDRESSABLE DEVICES AND DETECTOR BASES SHALL BE PERMANENTLY AND CLEARLY LABELED WITH THE DEVICE ADDRESS IN A READILY VISIBLE LOCATION DIRECTLY ON THE DEVICE.

FIRE ALARM SYSTEM CABLING AND CONDUIT REQUIREMENTS

1. ALL INITIATING AND NOTIFICATION CIRCUITS SHALL BE "CLASS B" WIRING.
2. ALL "CLASS B" WIRING CIRCUITS SHALL BE PROVIDED WITH AN "END-OF-LINE" RESISTOR INSTALLED AT THE END OF EACH CIRCUIT.
3. THE USE OF T-TAPPING WILL BE ALLOWED ON S.L.C. (SIGNALING LINE CIRCUIT) CIRCUITS ONLY. T-TAPPING IS NOT ALLOWED ON ANY CIRCUIT REQUIRING AN END OF LINE RESISTOR.
4. ALL WIRE TERMINATIONS SHALL BE BY USE OF WIRE NUTS OR SCREW TYPE TERMINATION BLOCKS.
5. THE USE OF CRIMPED CONNECTORS, TWISTING OF WIRES, ETC. SHALL NOT BE ALLOWED IN J-BOXES, TERMINAL CABINETS, OR ENCLOSURES.
6. ALL WIRES OUTSIDE OF J-BOXES, TERMINAL CABINETS, OR ENCLOSURES SHALL BE FREE OF SPLICES.
7. CONDUITS SHALL BE CONCEALED IN CEILING SPACES, WALLS, AND OTHER AREAS WHEREVER POSSIBLE.
8. ALL CONDUIT SHALL BE INSTALLED IN A PARALLEL OR PERPENDICULAR FASHION THAT IS TIGHT TO STRUCTURE. THE CONTRACTOR SHALL COORDINATE ALL CONDUIT ROUTING WITH OTHER TRADES.
9. FIRE ALARM CABLING INSTALLED ABOVE ACCESSIBLE CEILINGS SHALL BE ALLOWED TO BE INSTALLED AS OPEN CABLING. PROVIDE "D" RING HANGER FOR ALL OPEN CABLING AT A MAXIMUM SPACING OF 5'-0" ON CENTER.
10. CABLING THAT IS INSTALLED IN WALLS, CABLING THAT IS INSTALLED BELOW 8'-0" IN ELEVATION THAT IS SUBJECT TO DAMAGE, AND CABLING THAT IS INSTALLED ABOVE INACCESSIBLE CEILINGS SHALL BE INSTALLED IN CONDUIT.
11. CONDUITS PASSING THROUGH BUILDING EXPANSION JOINTS OR BUILDING SEISMIC JOINTS SHALL HAVE JUNCTION BOXES AT EACH SIDE OF THE EXPANSION / SEISMIC JOINT. PROVIDE SECTION OF FLEXIBLE CONDUIT BETWEEN JUNCTION BOXES AND GROUNDING BUSHINGS WITH #12 GROUNDING CABLE TO MAINTAIN CONTINUITY BETWEEN ALL (2) JUNCTION BOXES. PROVIDE FLEX CONDUIT AND GROUNDING CABLE OF SUFFICIENT LENGTH TO ACCOMMODATE THE CALCULATED BUILDING MOVEMENT PLUS 6" OF ADDITIONAL MOVEMENT. PROVIDE QUANTITIES AS REQUIRED.
12. ALL EXPOSED SURFACE MOUNTED RACEWAYS IN FINISHED SPACES BELOW 8'-0" IN ELEVATION SHALL BE A MINIMUM OF SERIES 700 METAL WIREMOLD OR EQUAL. THE INSTALLATION OF EXPOSED ELECTRICAL METALLIC TUBING (EMT) IN FINISHED SPACES BELOW 8'-0" IN ELEVATION WILL NOT BE ALLOWED.
13. CONDUITS SHALL NOT EXCEED FILL RATING OF 40% AS DEFINED BY THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (N.F.P.A. #70). PROVIDE SIZES AND QUANTITIES AS REQUIRED.
14. WHERE EXPOSED TO VIEW IN FINISHED SPACES, PAINT ALL NEW CONDUITS, MOUNTING HARDWARE, AND RACEWAYS TO MATCH THE ADJACENT SURFACES.
15. ALL NEW FIRE ALARM SYSTEM JUNCTION BOXES SHALL BE PAINTED RED AND ANNOTATED "FIRE ALARM POWER LIMITED" ON THE COVER IN BLACK BOLD PRINT HAVING MINIMUM CHARACTER FONT SIZE ¼" TALL X ¼" WIDE.

FIRE ALARM SYSTEM AUDIBILITY REQUIREMENTS

1. THE FIRE ALARM SYSTEM CONTRACTOR SHALL PERFORM AUDIBILITY TESTING IN EACH SPACE OF THE BUILDING PRIOR TO ACCEPTANCE TESTING. DOCUMENTATION OF DECIBEL (dB) VALUES RECORDED IN ALL SPACES SHALL BE PROVIDED TO THE ARCHITECT / ENGINEER PRIOR TO ACCEPTANCE TESTING.
   - A. DECIBEL READINGS SHALL BE TAKEN AT A POINT 10'-0" FROM THE APPLIANCE AT AN ELEVATION OF 5'-0" ABOVE FINISHED FLOOR.
   - B. THE SOUND LEVEL SHALL BE A MINIMUM OF 15 DECIBELS (dBs) ABOVE THE AVERAGE AMBIENT SOUND LEVEL.
   - C. THE SOUND LEVEL SHALL BE A MAXIMUM OF 30 DECIBELS (dBs) ABOVE THE AVERAGE AMBIENT SOUND LEVEL.
   - D. THE SOUND LEVEL SHALL BE A MINIMUM OF 5 DECIBELS (dBs) ABOVE THE MAXIMUM SOUND LEVEL HAVING A MINIMUM DURATION OF 60 SECONDS.
   - E. IN SPACES THAT DO NOT MEET THE MINIMUM AUDIBLE (dB) VALUES, THE FIRE ALARM SYSTEM CONTRACTOR SHALL PROVIDE ADDITIONAL AUDIBLE NOTIFICATION APPLIANCES UNTIL THE MINIMUM DECIBEL (dB) VALUES ARE OBTAINED.

FIRE ALARM SYSTEM SCOPE OF WORK NARRATIVE

THE SCOPE/INTENT OF THIS PROJECT/CONTRACT IS TO MODIFY THE ***EXISTING SILENT KNIGHT MODEL #6820*** FIRE ALARM SYSTEM CONTROL PANEL AND SYSTEM DEVICES TO ACCOMODATE A NEW TENANT IMPROVEMENT OF AREA OF WORK SHOWN.

ALL TRUE CEILING DETECTION IS EXISTING AND SHALL REMAIN AND BE ADJUSTED AS NECESSARY TO ACCOMMODATE NEW WALLS OR CEILINGS.

ALL EXISTING FIRE ALARM DEVICES AND WIRE BELOW AND EXCEPT THE TRUE CEILING SHALL BE REMOVED IN ITS ENTIRETY FROM THE AREA OF WORK AND NEW DEVICES AND WIRE INSTALLED IN THE AREA OF WORK SHOWN.

THE **EXISTING** FIRE ALARM SYSTEM IS A **SILENT KNIGHT #6820** FIRE ALARM ONLY SYSTEM LOCATED IN **MECH / RISER ROOM.** THIS SYSTEM IS BRAND NEW WITHIN 5 YEARS. REUSE AND REPROGRAM AS NECESSARY.

A **NEW UPDATED** GRAPHIC MAP SHALL BE PROVIDED AT THE MAIN FIRE ALARM CONTROL PANEL IN THE MECH RISER ROOM AND THE MAIN ENTRY. UPDATE THE EXISTING MAP AND PLACE INSIDE TUBE NEXT TO REMOTE ANNUNCIATOR.

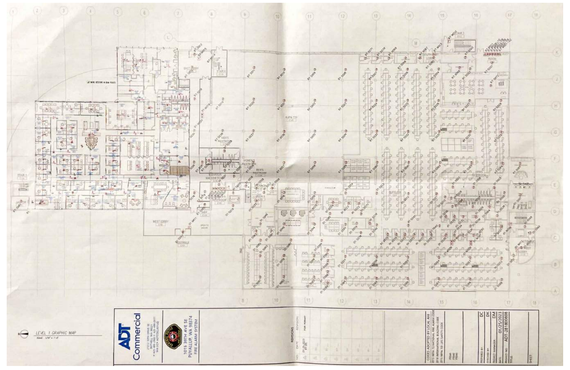
THE FIRE ALARM SYSTEM CONTRACTOR SHALL FOLLOW ALL ARCHITECTURAL PLANS FOR SCHEDULES AND WORKFLOW.

WHERE NEW FIRE ALARM SYSTEM DEVICES ARE INSTALLED ON EXISTING WALLS OR CEILINGS, PROVIDE WIREMOLD 700 OR 2400 SERIES RACEWAY, SIZED AS REQUIRED, ROUTED TO NEAREST ACCESSIBLE CEILING SPACE. **ROUTE SURFACE RACEWAY AS INCONSPICUOUSLY AS POSSIBLE.** FOLLOW WALL AND CEILING JOINTS TO MAINTAIN A CLEAN VISUAL APPEARANCE. PROVIDE FLEXIBLE ELBOWS WHERE NECESSARY FOR SURFACE RACEWAY CONTAINING DATA CABLES. IN AREAS THAT ARE NOT BEING REPAINTED, PAINT SURFACE RACEWAY TO MATCH ADJACENT SURFACES.

FIRE ALARM SYSTEM FLOOR PLAN CONSTRUCTION NOTES

1. THE FIRE ALARM SYSTEM CONTRACTOR SHALL PROVIDE BOTH AUDIBLE AND VISUAL NOTIFICATION IN ACCORDANCE WITH SECTION 907.2.3 AND 907.5 OF THE WASHINGTON STATE BUILDING CODE AND NFPA 72. ALARM SIGNALS MUST BE CLEAR, AND SUFFICIENTLY LOUD TO BE HEARD ABOVE AMBIENT NOISE LEVELS. VISUAL NOTIFICATION DEVICES MUST BE VISIBLE THROUGHOUT THE BUILDING. ALL SYSTEMS MUST BE DESIGNED, INSTALLED, AND MAINTAINED TO MEET THESE STANDARDS, ENSURING FULL COVERAGE.
2. THE CITY OF PUYALLUP REQUIRES THAT THE FIRE ALARM SYSTEM CONTRACTOR SHOW SECTION VIEWS OF ALL INTERSTITIAL SPACES. ABOVE CEILING GRID, ABOVE CEILING HARD LIDS, BEAM POCKETS ABOVE AND BELOW CEILINGS, CLOUDS, AND ROOF SLOPE FOR ATTIC DETECTION.
3. DUCT SMOKE DETECTION WITHIN 5FT OF THE FIRE SMOKE DAMPER SHALL NOT BE REQUIRED AS THE FIRE ALARM SYSTEM IS A TOTAL COVERAGE SMOKE DETECTION SYSTEM. THE FIRE ALARM CONTRACTOR SHALL PROVIDE A RELAY MODULE TO CLOSE THE FIRE SMOKE DAMPER UPON ACTIVATION OF ANY BUILDING SMOKE DETECTOR IN ADDITION TO TRANSMITTING AN ALARM SIGNAL AT THE FIRE ALARM SYSTEM CONTROL PANEL.
4. DUCT SMOKE DETECTOR SHALL NOT BE REQUIRED AS THE FIRE ALARM SYSTEM IS A TOTAL COVERAGE SMOKE DETECTION SYSTEM PER THE CITY OF PUYALLUP. IF AIR HANDLING UNITS GREATER THAN 2,000 C.F.M. CAPACITY ARE PROVIDED, THE FIRE ALARM SYSTEM CONTRACTOR SHALL PROVIDE A RELAY MODULE TO SHUT DOWN THE H.V.A.C. UNIT UPON ACTIVATION OF AREA SMOKE DETECTOR IN ADDITION TO TRANSMITTING AN ALARM SIGNAL AT THE FIRE ALARM CONTROL PANEL.
5. FIRE ALARM SYSTEM CONTRACTOR SHALL PROVIDE A RELAY MODULE FOR CONNECTION TO THE ACCESS CONTROL SYSTEM FOR THE PURPOSE OF EGRESS. FIRE ALARM SYSTEM SHALL BE PROGRAMMED TO RELEASE/UNLOCK ALL REQUIRED ELECTRIC LOCKS, ANK ALL EXTERIOR DOORS IF PROVIDED WITH ELECTRONIC LOCKS UPON ACTIVATION OF THE FIRE ALARM SYSTEM.
6. THE FIRE ALARM SYSTEM CONTRACTOR SHALL PROVIDE SIX (6) INPUT MONITOR MODULES TO MONITOR THE REQUIRED CONDITIONS OF THE DISTRIBUTED ANTENNA SYSTEM (DAS) IF TESTING DEEMS NECESSARY AND PROVIDED BY THE OWNER
7. THE FIRE ALARM SYSTEM CONTRACTOR SHALL ADJUST THE EXISTING TRUE CEILING DETECTION (SHOWN BELOW) TO ACCOMMODATE NEW FULL HEIGHT WALLS (SHOWN ON SHEET FA0.03 WITH DASHED RED LINE).
8. SMOKE DETECTOR FOR MAGNETIC DOOR HOLDER RELEASE SHALL BE LOCATED WITHIN 5'-0" OF THE DOOR IT IS SERVING AND INSTALLED ALONG THE CENTERLINE OF THE DOOR OPENING UNLESS SMOKE DETECTION AS PART OF AN OPEN AREA PROTECTION SYSTEM COVERING THE ROOM, CORRIDOR, OR ENCLOSED SPACE ON EACH SIDE OF THE SMOKE DOOR AND THAT ARE LOCATED AND SPACED AS REQUIRED BY NFPA #72 SECTION 17.7.3 SHALL BE PERMITTED TO ACCOMPLISH SMOKE DOOR RELEASE SERVICE.
9. THE FIRE ALARM SYSTEM CONTRACTOR SHALL PROVIDE A RELAY MODULE FOR CONNECTION TO THE MAGNETIC DOOR HOLDERS. THE MAGNETIC DOOR HOLDER SHALL RELEASE UPON RECEIVING AN ALARM SIGNAL FROM THE FIRE ALARM SYSTEM CONTROL PANEL.

Plan Check A



7 EXISTING FIRE ALARM SYSTEM TO MODIFY

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Client

City of Puyallup

Project

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1015 39th Avenue SE,
Puyallup, WA, 98374

THOMAS CUMMINGS STATE OF WASHINGTON 21997 REGISTERED PROFESSIONAL ENGINEER 04/09/2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Plan Check Response 1	04/09/2025

SHEET TITLE:

FIRE ALARM SYSTEM LEGEND AND NOTES

SHEET

FA0.01

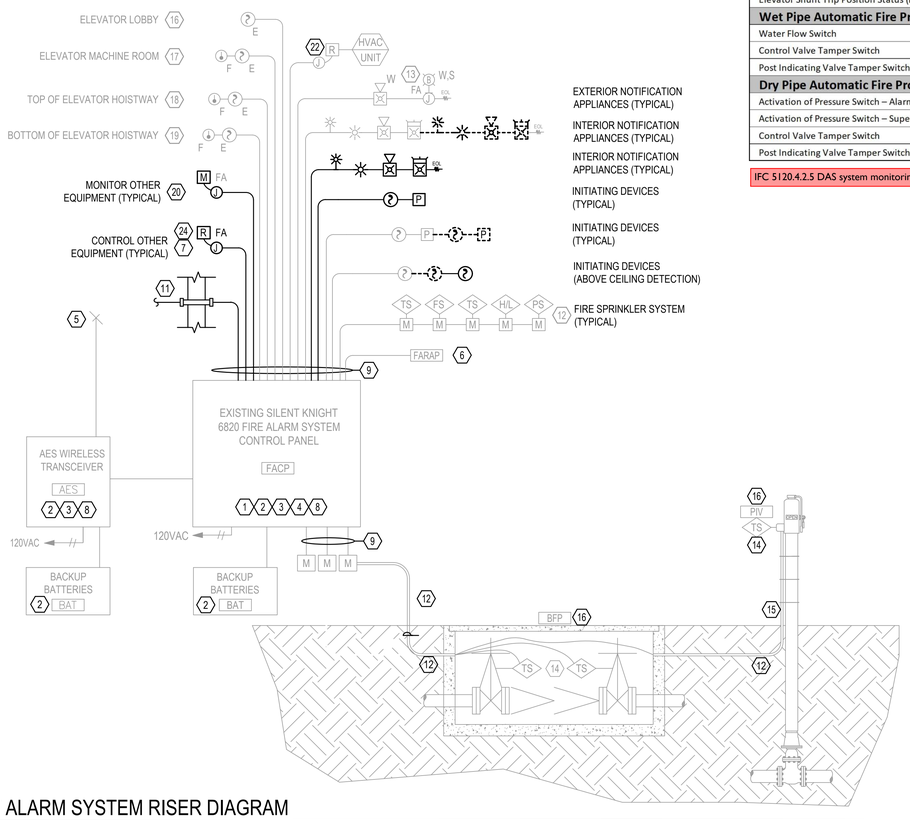
JOB NO. 2170269.07

PERMIT/BID SET - 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building
Planning
Engineering
Public Works

FIRE ALARM SYSTEM RISER DIAGRAM CONSTRUCTION NOTES

1. THE RISER DIAGRAM IS DIAGRAMMATIC IN NATURE. IT DOES NOT SHOW ALL DEVICES AND DOES NOT REPRESENT ACTUAL CONDUIT OR CABLE ROUTING.
2. THE FIRE ALARM SYSTEM SHALL BE FULLY FUNCTIONAL WITHOUT THE USE OF PRIMARY POWER. THE FIRE ALARM SYSTEM SHALL BE PROVIDED WITH A MINIMUM OF 24 HOURS OF STANDBY OPERATION FOLLOWED BY AN ADDITIONAL 15 MINUTES OF ALARM OPERATION. ALL BATTERIES SHALL BE SIZED TO PROVIDE AT LEAST 25% ADDITIONAL SPARE CAPACITY. SEE THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. PROVIDE SYSTEM POWER SUPPLIES WHERE REQUIRED. COORDINATE ADDITIONAL POWER CONNECTIONS THAT ARE NOT SHOWN ON ELECTRICAL DRAWINGS WITH ELECTRICAL CONTRACTOR AS REQUIRED. COST FOR ADDITIONAL CONNECTIONS SHALL BE INCLUDED.
4. PROVIDE ALL NECESSARY EQUIPMENT, INTERFACES, OTHER APPURTENANCES, AND PROGRAMMING AS REQUIRED FOR COMMUNICATION TO THE CENTRAL STATION MONITORING COMPANY OR MONITORING STATION.
5. FIRE ALARM CONTRACTOR SHALL MEASURE AES SIGNAL STRENGTH. SIGNAL STRENGTH SHALL BE A NETCON 5 OR BETTER. IF AN OUTDOOR ANTENNA IS REQUIRED, MOUNT ANTENNA SO IT REACHES ABOVE THE ROOF LINE OF THE BUILDING
6. FIRE ALARM SYSTEM REMOTE ANNUNCIATOR PANEL INSTALLED IN VESTIBULE #A1000
7. PROVIDE FIRE ALARM CONTROL RELAYS TO SHUNT THE AUDIO / VIDEO SYSTEM, EXT.
8. PROVIDE SURGE PROTECTION ON ALL INCOMING PRIMARY POWER SUPPLIES SERVING FIRE ALARM SYSTEM PANELS.
9. PROVIDE SYSTEM CABLES FOR A FULLY FUNCTIONAL SYSTEM AS REQUIRED.
10. ALL WIRE RUN UNDERGROUND SHALL BE SUITABLE FOR "WET" INSTALLATIONS.
11. FIRE ALARM SYSTEM CABLING THAT PENETRATES EXISTING OR NEW WALLS SHALL BE PROVIDED WITH AN APPROVED PENETRATION METHOD AS OUTLINED IN THE PROJECT SPECIFICATIONS.
12. FIRE SPRINKLER SYSTEM SWITCHES SHALL BE PROVIDED AND INSTALLED BY SPRINKLER SYSTEM CONTRACTOR. THE SWITCHES SHALL BE WIRED AND CONNECTED TO THE FIRE ALARM SYSTEM BY THE ELECTRICAL CONTRACTOR. SEE THE FIRE SPRINKLER SYSTEM DRAWINGS FOR EXACT QUANTITIES AND LOCATIONS OF ALL FIRE SPRINKLER SWITCHES, WHICH SHALL BE MONITORED BY THE FIRE ALARM SYSTEM.
13. THE 24 VOLTS D.C. SPRINKLER SYSTEM ALARM BELL/STROBE SHALL BE PROVIDED BY THE FIRE ALARM SYSTEM CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL WIRE AND CONNECT THE ALARM BELL TO THE FIRE ALARM SYSTEM CONTROL PANEL (FACP) AND THE FIRE ALARM CONTRACTOR SHALL PROGRAM THE ALARM BELL TO ACTIVATE UPON THE FLOW OF WATER.
14. POST INDICATING VALVE (PIV) AND BACKFLOW PREVENTER (BFP) TAMPER SWITCH MONITORING IS REQUIRED. SEE SHEET FA-213 AND CIVIL DRAWINGS FOR LOCATION. SEE ELECTRICAL SHEET E1.01 FOR CONDUIT REQUIREMENTS. ADDRESSABLE MONITOR MODULES MUST REMAIN IN A CONDITIONED SPACE AND WET RATED CABLE INSTALLED FROM THE ADDRESSABLE MODULE TO THE OUTSIDE TAMPER SWITCHES VIA 1" CONDUIT PROVIDED BY THE ELECTRICAL CONTRACTOR.
15. THE FIRE ALARM SYSTEM CONTRACTOR SHALL INSTALL 1" RIGID METAL CONDUIT FROM TERMINATION OF 1" PVC CONDUIT UP TO THE POST INDICATING VALVE TAMPER SWITCH. METAL CONDUIT SHALL BE SECURED TO THE POST INDICATING VALVE HOUSING WITH (3) STAINLESS STEEL HOSE CLAMPS.
16. PROVIDE A SMOKE DETECTOR IN THE ELEVATOR LOBBY FOR ELEVATOR RECALL.
17. PROVIDE SMOKE DETECTOR IN ELEVATOR MACHINE ROOM FOR ELEVATOR RECALL AND, IF SPRINKLED, A 135°F FIXED TEMPERATURE HEAT DETECTOR FOR ACTUATION OF THE SHUNT TRIP BREAKER FEATURE.
18. IF THE TOP OF THE ELEVATOR HOISTWAY IS SPRINKLED, THE FIRE ALARM SYSTEM CONTRACTOR SHALL PROVIDE SMOKE DETECTOR AT THE TOP OF THE ELEVATOR HOISTWAY FOR ELEVATOR RECALL AND A 135°F FIXED TEMPERATURE HEAT DETECTOR FOR ACTUATION OF THE SHUNT TRIP BREAKER FEATURE.
19. IF A SPRINKLER HEAD IS INSTALLED IN THE ELEVATOR PIT, THE FIRE ALARM SYSTEM CONTRACTOR SHALL PROVIDE A 135°F HEAT DETECTOR AT THE BOTTOM OF THE ELEVATOR HOISTWAY WITHIN 18" OF THE SPRINKLER HEAD FOR ACTUATION OF THE ELEVATOR RECALL FEATURE.
20. FIRE ALARM SYSTEM SHALL MONITOR THE STATUS OF THE ELEVATOR SHUNT TRIP POSITION
21. THE FIRE ALARM SYSTEM CONTRACTOR SHALL PROVIDE A RELAY MODULE TO SHUT DOWN THE H.V.A.C. UNIT UPON ACTIVATION OF H.V.A.C. UNIT DUCT SMOKE DETECTOR IN ADDITION TO TRANSMITTING A SUPERVISORY SIGNAL AT THE FIRE ALARM CONTROL PANEL.
22. PROVIDE REMOTE ALARM INDICATOR FOR EACH INITIATING DEVICE NOT VISIBLE FROM THE FLOOR (WHERE APPLICABLE). REMOTE ALARM INDICATORS INSTALLED IN ACOUSTICAL CEILING TILES SHALL BE CENTERED ON THE CEILING TILES (12" FROM AN ACOUSTICAL TILE RUNNER) OR ON THE WALL OF EXPOSED STRUCTURE SPACES.



1 FIRE ALARM SYSTEM RISER DIAGRAM
DIAGRAMMATIC

FIRE ALARM SYSTEM SEQUENCE OF OPERATIONS MATRIX

Notes:

1. If "Sequence of Operations" indicated here conflicts with specification, this "Sequence of Operations" supersedes specification sequence.
2. Provide a complete "Sequence of Operations" in accordance with N.F.P.A. #72 and contract documents.
3. This "Sequence of Operations" is considered to be the minimum amount of items required for this project. Provide additional Inputs and/or Outputs as required by the Authority Having Jurisdiction.

System Inputs		System Outputs: Fire Alarm System Control Panel	1 Annunciate "Alarm Condition" at the Fire Alarm System Control Panel	2 Annunciate "Alarm Condition" at the Fire Alarm System Remote Annunciator	3 Transmit "Alarm Signal" to the Central Station Monitoring Company	4 Annunciate "Trouble Condition" at the Fire Alarm Control Panel	5 Annunciate "Trouble Condition" at the Fire Alarm Remote Annunciator	6 Transmit "Trouble Signal" to the Central Station Monitoring Company	7 Annunciate "Supervisory Condition" at the Fire Alarm Control Panel	8 Annunciate "Supervisory Condition" at the Fire Alarm Remote Annunciator	9 Transmit "Supervisory Signal" to the Central Station Monitoring Company	Audible / Visual Notification Appliances	10 Activate All Fire Alarm System Audible Notification Appliances	11 Activate All Fire Alarm System Visual Notification Appliances	12 Audible Notification Appliances Operation Maintained until Fire Alarm System Reset	13 Visual Notification Appliances Operation Maintained until Fire Alarm System Reset	14 Activation of Carbon Monoxide Detection Sensor shall Initiate a audible tone Distinctly Different from a Fire Alarm Tone and Transmit a Unique Signal to the central station monitoring company	Doors Holders	15 Release All Doors in Stairways to be Closed	16 Release Door(s) to be Closed	17 Open Exit Doors that are Electronically Locked	Elevators	18 Shutdown Elevator Power Through the Shunt Trip Breaker Feature	19 Monitor Elevator Shunt Trip Breaker Circuit	20 Initiate Elevator Emergency Recall: Phase I - Passenger Car to Primary Safe Floor	21 Initiate Elevator Emergency Recall: Phase II - Passenger Car to Alternate Safe Floor	22 Initiate Elevator "Fire Hat" Solid Light	23 Initiate Elevator "Fire Hat" Flashing Light	H.V.A.C. Mechanical Systems	24 Initiate Local H.V.A.C. Unit Shutdown for the H.V.A.C. Unit that the Smoke Detector is Serving only	25 Initiate Global H.V.A.C. Unit Shutdown to the Energy Management Control System (EMCS)	26 Initiate Global Exhaust System Shutdown to the Energy Management Control System (EMCS)	27 Activation of all Elevator Shaft Exhaust Fans	28 Close all Fire / Smoke Dampers	29 Close all Fire Dampers	30 Close all Outside Air Louvers	21 Close Outside Air Louver to H.V.A.C. unit being shut down by Duct Smoke Detector	32 Open Outside Air Louver at the top of Elevator Shaft	High Volume Low Speed (H.V.L.S.) Fans	33 Immediately Deactivate the High Volume Low Speed (H.V.L.S.) Fan
Fire Alarm System:																																															
Fire Alarm System Control Panel in "Alarm" Condition	A		X	X	X								X	X	X	X			X	X	X																									
Manual Pull Station	B		X	X	X								X	X	X	X			X	X	X																									
Smoke Detector	C		X	X	X								X	X	X	X			X	X	X																									
Beam Detector	D		X	X	X								X	X	X	X			X	X	X																									
Heat Detector	E		X	X	X								X	X	X	X			X	X	X																									
Fire Alarm System Control Panel in "Trouble" Condition	F					X	X	X																																					
Fire Alarm System Control Panel in "Supervisory" Condition	G								X	X	X																																		
Carbon Monoxide Sensor in Commons Area	H		X	X	X								X	X	X	X	X																												
Carbon Monoxide Sensor in Mechanical Rooms with Fossil Fuel Burning Equipment	I		X	X	X								X	X	X	X	X																												
Carbon Monoxide Sensor in Kitchens with Fossil Fuel Burning Equipment	J		X	X	X								X	X	X	X	X																												
Fire Alarm Control Panel Bypass	K																																												
Smoke Detectors for Door Hold Opens:																																														
Smoke Detectors to Close Doors	L		X	X	X								X	X					X	X	X																									
Smoke Detectors for Fire / Smoke Damper Actuation:																																														
Smoke Detectors to Close Fire / Smoke Dampers	M		X	X	X								X	X	X	X			X	X	X																									
Elevators:																																														
Elevator Lobby Fire Detection Device on Primary Safe Floor for Elevator Recall	N		X	X	X								X	X	X	X																	X											X		
Elevator Lobby Fire Detection Device on Alternate Safe Floor for Elevator Recall	O		X	X	X								X	X	X	X																		X										X		
Elevator Machine Room Smoke Detector	P		X	X	X								X	X	X	X																		X										X		
Elevator Machine Room Heat Detector	Q		X	X	X								X	X	X	X							X													X	X							X		
Top of Shaft Smoke Detector	R		X	X	X								X	X	X	X																		X										X		
Top of Shaft Heat Detector	S		X	X	X								X	X	X	X							X													X	X							X		
Bottom of Shaft Smoke Detector	T		X	X	X								X	X	X	X																		X										X		
Bottom of Shaft Heat Detector	U		X	X	X								X	X	X	X							X													X	X							X		
Loss of Voltage to Control Circuit for Shunt Trip	V					X	X	X																																					
Elevator Shunt Trip Position Status (Breaker Tripped)	W					X	X	X																																					
Wet Pipe Automatic Fire Protection Sprinkler Systems:																																														
Water Flow Switch	X		X	X	X								X	X	X	X			X	X	X																									X
Control Valve Tamper Switch	Y								X	X	X																																		
Post Indicating Valve Tamper Switch	Z								X	X	X																																		
Dry Pipe Automatic Fire Protection Sprinkler Systems:																																														
Activation of Pressure Switch – Alarm (Loss of Air Pressure)	AA		X	X	X								X	X	X	X			X	X	X																									X
Activation of Pressure Switch – Supervisory Air (Low System Air Pressure)	BB								X	X	X																																		
Control Valve Tamper Switch	CC								X	X	X																																		
Post Indicating Valve Tamper Switch	DD								X	X	X																																		

IFC 5120.4.2.5 DAS system monitoring: May be required subject to existing system and DAS testing results. Please coordinate as needed with DAS submittal.

	ALL NEW DEVICES INDICATED WITH A DARK CONTINUOUS LINE TYPE
	ALL EXISTING DEVICES THAT ARE TO BE RETAINED ARE INDICATED WITH A LIGHT CONTINUOUS LINE TYPE
	ALL DEVICES THAT ARE TO BE REMOVED ARE INDICATED WITH A DARK DASH LINE TYPE

Separate fire alarm permit is required.
Plans for reference only.

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:

FIRE ALARM SYSTEM RISER AND SEQUENCE OF OPERATIONS

SHEET

FA0.02

JOB NO: 2170269.07

PERMIT/BID SET - 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

GENERAL NOTES

1. SEE SHEET FA0.01 FOR FIRE ALARM SYSTEM EQUIPMENT REQUIREMENTS, AUDIBILITY REQUIREMENTS, CABLING AND CONDUIT REQUIREMENTS, FLOOR PLAN GENERAL AND FLOOR PLAN CONSTRUCTION NOTES.
2. WHERE NEW FIRE ALARM SYSTEM RACEWAY MUST BE INSTALLED ON WALL OR CEILING SURFACES, PROVIDE WIREMOLD 700 OR 2400 SERIES RACEWAY, SIZED AS REQUIRED, ROUTED TO NEAREST ACCESSIBLE CEILING SPACE. **RUN SURFACE RACEWAY AS INCONSPICUOUSLY AS POSSIBLE.** FOLLOW WALL AND CEILING JOINTS TO MAINTAIN A CLEAN VISUAL APPEARANCE. PROVIDE FLEXIBLE ELBOWS WHERE NECESSARY FOR SURFACE RACEWAY CONTAINING DATA CABLES. IN AREAS THAT ARE NOT BEING REPAINTED, PAINT SURFACE RACEWAY TO MATCH ADJACENT SURFACES.
3. CEILING TYPES ARE SHOWN FOR REFERENCE ONLY AND ARE NOT PROVIDED TO INDICATE EXACT LAYOUTS.
4. CEILING MOUNTED DEVICES SHALL BE INSTALLED AT THE QUARTER POINT OR CENTER POINT OF 4'X2' ACOUSTICAL CEILING TILES AND CENTER POINT OF 2'X2' OR 1'X1' ACOUSTICAL CEILING TILES. SHEET FA-121 MAY NOT DEPICT THIS INSTALLATION DUE TO REFLECTED CEILING PLAN SHOWN BEING DIAGRAMMATICAL TO INDICATE CEILING TYPES, NOT EXACT ACOUSTICAL TILE LAYOUTS.
5. THE FIRE ALARM SYSTEM CONTRACTOR SHALL COORDINATE THE FIRE ALARM SYSTEM INSTALLATION WITH EXISTING ARCHITECTURAL FEATURES, H.V.A.C. GRILLES, ELECTRICAL LIGHTS, FIRE PROTECTION SPRINKLER HEADS, AND/OR EXISTING CONDITIONS.
6. EXISTING DEVICES SHOWN WITH A LIGHT LINETYPE TO REMAIN AND ARE SHOWN IN APPROXIMATE LOCATIONS FOR REFERENCE ONLY. ALL TRUE CEILING DETECTION IS EXISTING AND SHALL REMAIN AND BE ADJUSTED AS NECESSARY TO ACCOMMODATE NEW WALLS OR CEILINGS.

7 = FULL HEIGHT WALLS

THE FIRE ALARM SYSTEM CONTRACTOR SHALL ADJUST THE EXISTING TRUE CEILING DETECTION TO ACCOMMODATE NEW FULL HEIGHT WALLS (SHOWN WITH DASHED RED LINE). EXISTING DEVICES MAY NOT BE SHOWN.

	ALL NEW DEVICES INDICATED WITH A DARK CONTINUOUS LINE TYPE
	ALL EXISTING DEVICES THAT ARE TO BE RETAINED ARE INDICATED WITH A LIGHT CONTINUOUS LINE TYPE
	ALL DEVICES THAT ARE TO BE REMOVED ARE INDICATED WITH A DARK DASH LINE TYPE

KEY PLAN

1 FA0.03 FIRE ALARM SYSTEM - AREA A & B FULL HEIGHT WALLS
3/32" = 1'-0"

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:
FIRE ALARM SYSTEM - AREA A & B FULL HEIGHT WALLS

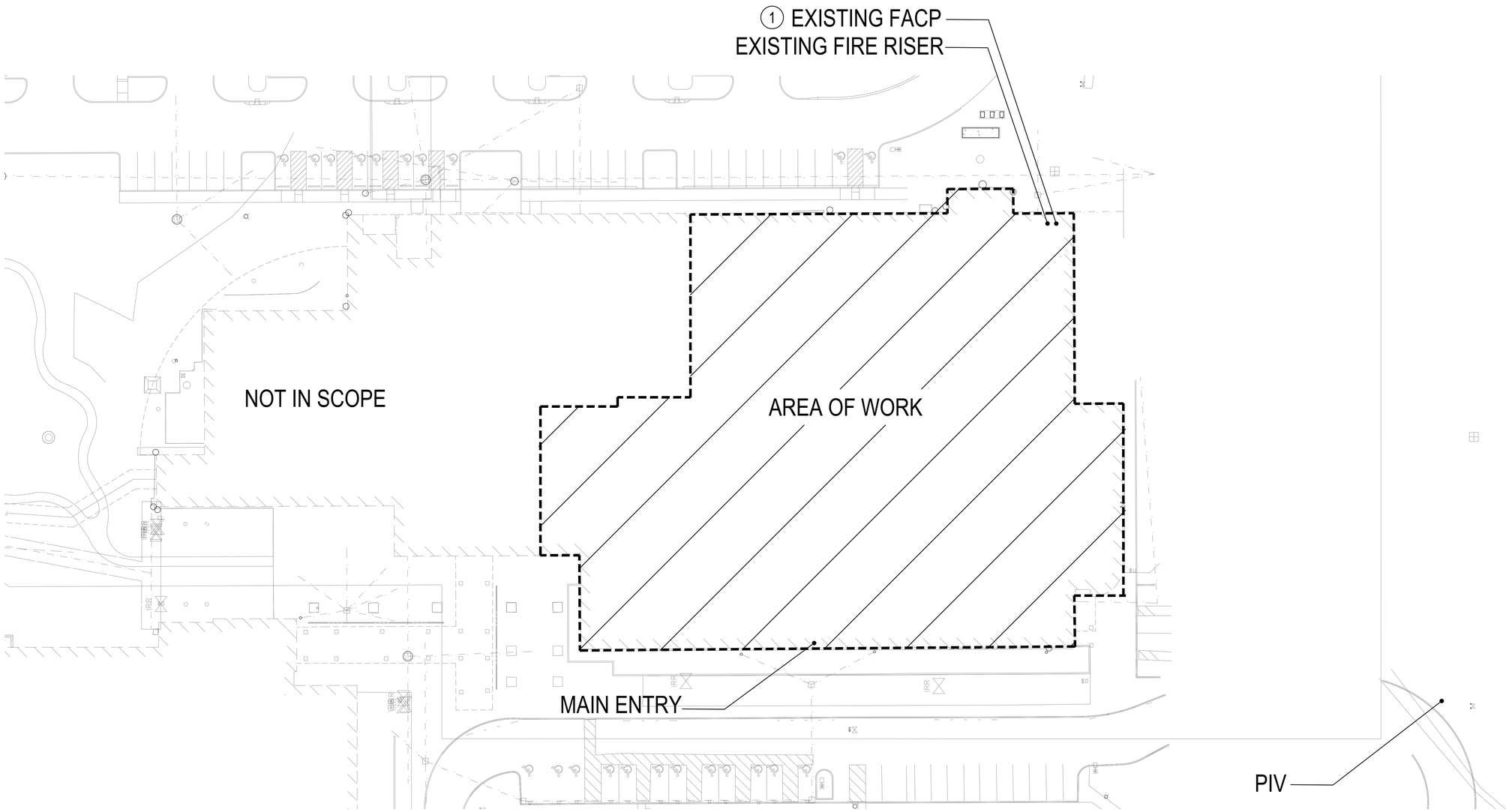
SHEET
FA0.03

JOB NO 2170269.07

PERMIT/BID SET - 03.04.2025

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



1 FA1.00 FIRE ALARM SYSTEM - OVERALL PLAN
1/2" = 1'-0"

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02/28/2025

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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE:

FIRE ALARM SYSTEM OVERALL PLAN

SHEET

FA1.00

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Plans for reference only.

JOB NO. 2170269.07

PERMIT/BID SET - 03.04.2025

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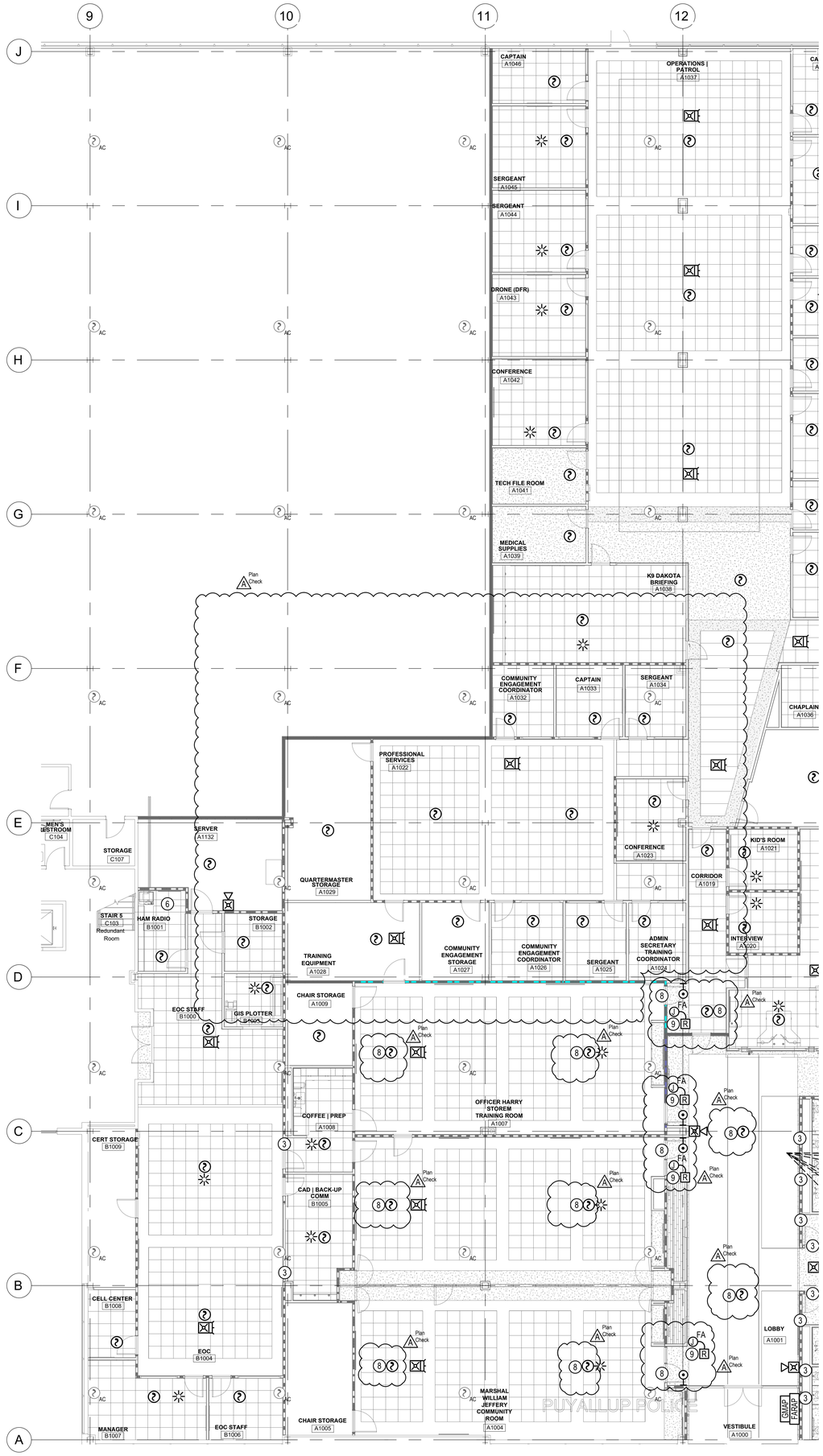
Building	Planning
Engineering	Public Works
Fire	Traffic



GENERAL NOTES

1. SEE SHEET FA0.01 FOR FIRE ALARM SYSTEM EQUIPMENT REQUIREMENTS, AUDIBILITY REQUIREMENTS, CABLING AND CONDUIT REQUIREMENTS, FLOOR PLAN GENERAL AND FLOOR PLAN CONSTRUCTION NOTES.
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KEY PLAN

1 FA1.01 FIRE ALARM SYSTEM - AREA A
1/8" = 1'-0"

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Plan Check Response 1	04/09/2025

SHEET TITLE:

FIRE ALARM SYSTEM - AREA A

SHEET

FA1.01

JOB NO. **2170269.07**

PERMIT/BID SET - 03.04.2025

City of Puyallup
Development & Permitting Services
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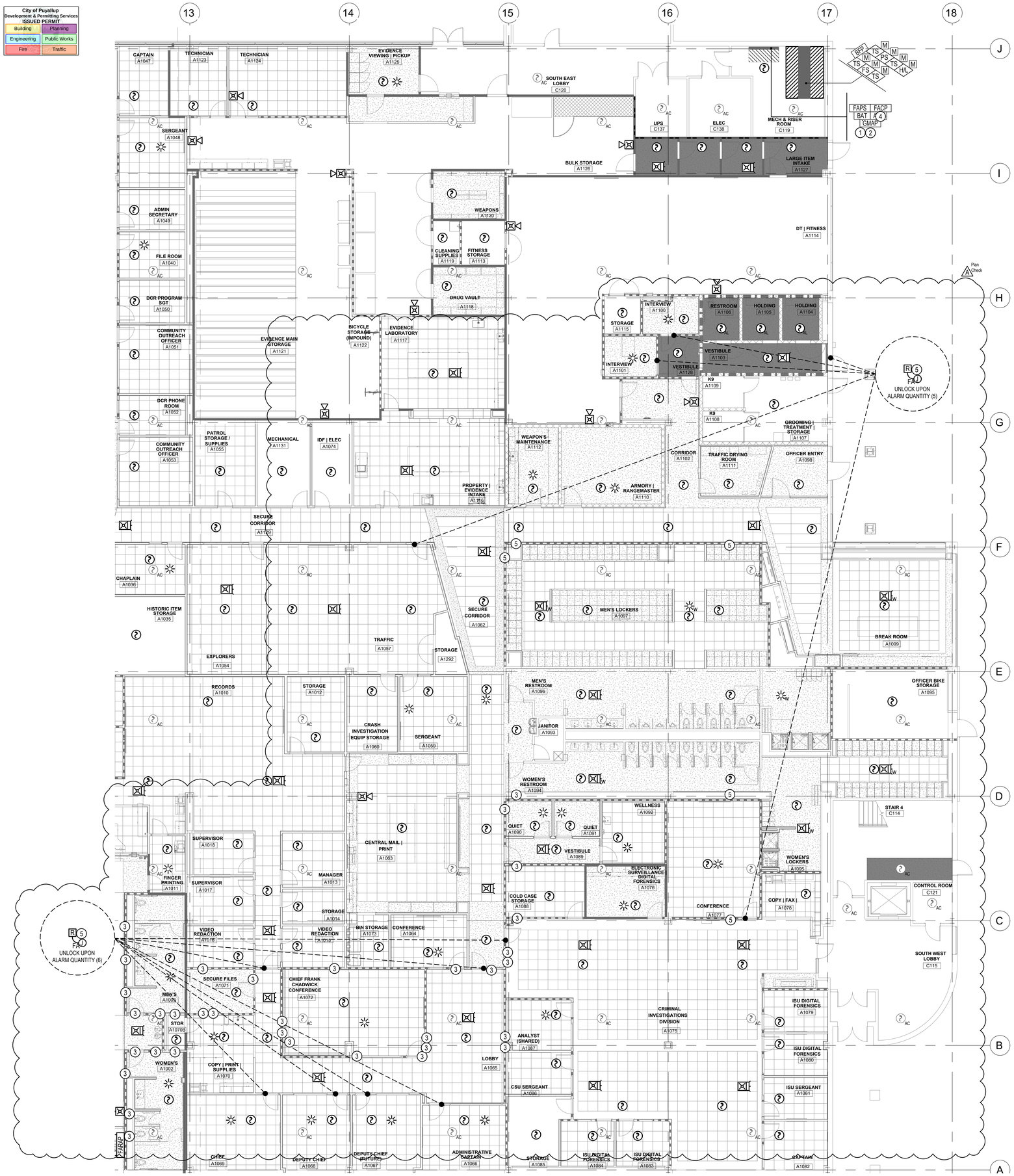
Building	Planning
Engineering	Public Works
Fire	Traffic



GENERAL NOTES

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KEY PLAN

1 FA1.02 FIRE ALARM SYSTEM - AREA B
1/8" = 1'-0"

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REVISION SCHEDULE

Delta	Issued As	Issue Date
A	Plan Check Response 1	04/09/2025

SHEET TITLE:

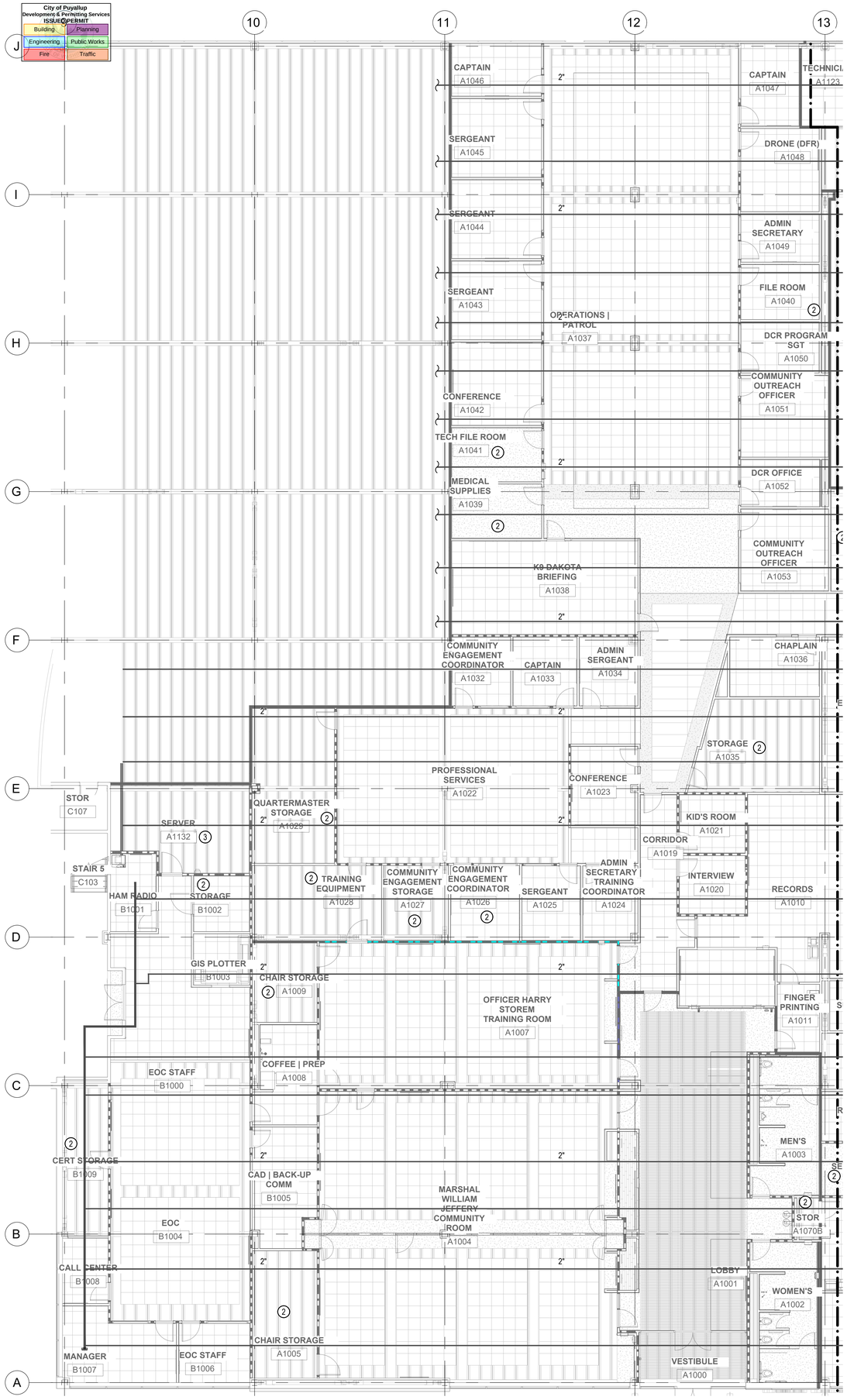
FIRE ALARM SYSTEM - AREA B

SHEET

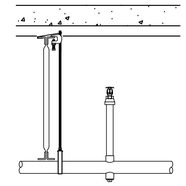
FA1.02

JOB NO. 2170269.07

PERMIT/BID SET - 03.04.2025



2 EXISTING FIRE PROTECTION RISER MANIFOLD
SCALE: NOT TO SCALE



3 EXISTING 1" SPRIG UP / 1" PLUG DOWN (TYP.)
SCALE: NOT TO SCALE

FIRE PROTECTION CONSTRUCTION NOTES

1. THE FIRE SPRINKLER SYSTEM DESIGN FOR THIS AREA SHALL BE BASED UPON NFPA #13 DESIGN CRITERIA FOR ORDINARY HAZARD GROUP I OCCUPANCY. AREAS NOT SPECIFICALLY NOTED SHALL BE DESIGNED BASED ON LIGHT HAZARD OCCUPANCY.
2. THE FIRE SPRINKLER SYSTEM DESIGN FOR THIS AREA SHALL BE BASED UPON NFPA #13 DESIGN CRITERIA FOR ORDINARY HAZARD GROUP II OCCUPANCY. AREAS NOT SPECIFICALLY NOTED SHALL BE DESIGNED BASED ON LIGHT HAZARD OCCUPANCY.
3. RE-ROUTE SPRINKLER CROSS MAIN AND GRIDDED BRANCH LINE TO OUTSIDE OF NEW SERVER ROOM WITH NEW HANGERS AND SEISMIC BRACING. REPLACE BRANCH LINE SERVING SERVER ROOM WITH NEW BRANCH LINE ROUTED IN COMPLIANCE WITH NFPA#13 AND NFPA #70 (SEE GENERAL NOTE #5)

FIRE PROTECTION GENERAL NOTES

1. THE EXISTING CONDITION CONSISTS OF EXISTING MAINS AND BRANCH LINES AT APPROXIMATELY 15 FT. AFF THAT INCORPORATE UPRIGHT SPRINKLERS ON SPRIGS, AND PLUGGED 1" DIAMETER OUTLETS POINTING DOWN AT TYPICALLY 12 FT. SPACING ALONG THE BRANCH LINES (CONTRACTOR SHALL VERIFY EXISTING ROUTING SHOWN). CONCEALED SPRINKLER ON 1" DROPS PROTECT EXISTING CEILINGS AND CEILING CLOUDS.
2. THE FIRE SPRINKLER CONTRACTOR SHALL EXTEND NEW DROPS TO PENDENT SPRINKLERS THROUGHOUT NEW CEILING AREAS, AND MODIFY EXISTING UPRIGHT SPRINKLERS. NEW PENDENT SPRINKLERS SHALL BE FLAT-PLATE CONCEALED QUICK-RESPONSE SPRINKLERS WITH WHITE COVER PLATES IN ACT AND GWB CEILINGS , AND BRONZE, BLACK, OR SIMULATED WOOD-GRAIN FINISH IN WOOD CEILINGS (COORDINATE FINISH WITH ARCHITECT).
3. FIRE SPRINKLER CONTRACTOR TO ADD, RELOCATE, AND DEMO SPRINKLERS WITHIN THE AREA OF TENANT IMPROVEMENT FOR NEW AND REVISED WALLS, CEILINGS, LIGHTING, HVAC, AND ANY CHANGE OF ROOM'S HAZARD CLASS IN COMPLIANCE WITH NFPA #13 AND THE CITY OF PUYALLUP.
4. THE FIRE SPRINKLER CONTRACTOR SHALL OBTAIN SPRINKLER PERMIT AND INSPECTIONS FROM THE CITY OF PUYALLUP.
5. NFPA #70 (NATIONAL ELECTRICAL CODE) REQUIRES A DEDICATED SPACE OF 6'-0" ABOVE ALL ELECTRICAL PANELS, TRANSFORMERS, SWITCHGEARS, ETC. NO PIPING, DUCTS, OR OTHER EQUIPMENT FOREIGN TO THE ELECTRICAL INSTALLATION SHALL BE LOCATED IN THIS ZONE PER SECTION 110.26(E)(1)(A). ALL SPRINKLER PIPING THAT IS NOT COORDINATED TO AVOID THESE AREAS SHALL BE MODIFIED AND RELOCATED AT THE FIRE PROTECTION SPRINKLER CONTRACTOR EXPENSE.
6. NEW OR RELOCATED SPRINKLERS IN A.C.T. CEILINGS SHALL BE LOCATED AT CENTER OF TILE.
7. ANY SPRINKLER REMOVED FROM ITS FITTING SHALL BE REPLACED WITH A NEW SPRINKLER.
8. NEW SPRINKLER IN A.C.T. CEILINGS SHALL UTILIZE FLEXIBLE DROPS, OR OVERSIZE ESCUTCHEONS RINGS TO OBTAIN SEISMIC CLEARANCE IN CEILING PENETRATIONS PER ASCE 7.
9. IF UTILIZED, FLEXIBLE DROPS TO PENDENT SPRINKLERS SHALL BE UL-LISTED AND/OR FM GLOBAL APPROVED AND SHALL INCORPORATE A BRAIDED STAINLESS-STEEL COVERING. THE BRACKET SHALL ALLOW ROOM FOR INSTALLATION OF CEILING TILE AFTER ATTACHMENT.

1 FX1.01 FIRE PROTECTION FLOOR PLAN - AREA A
1/8" = 1'-0"

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REVISION SCHEDULE

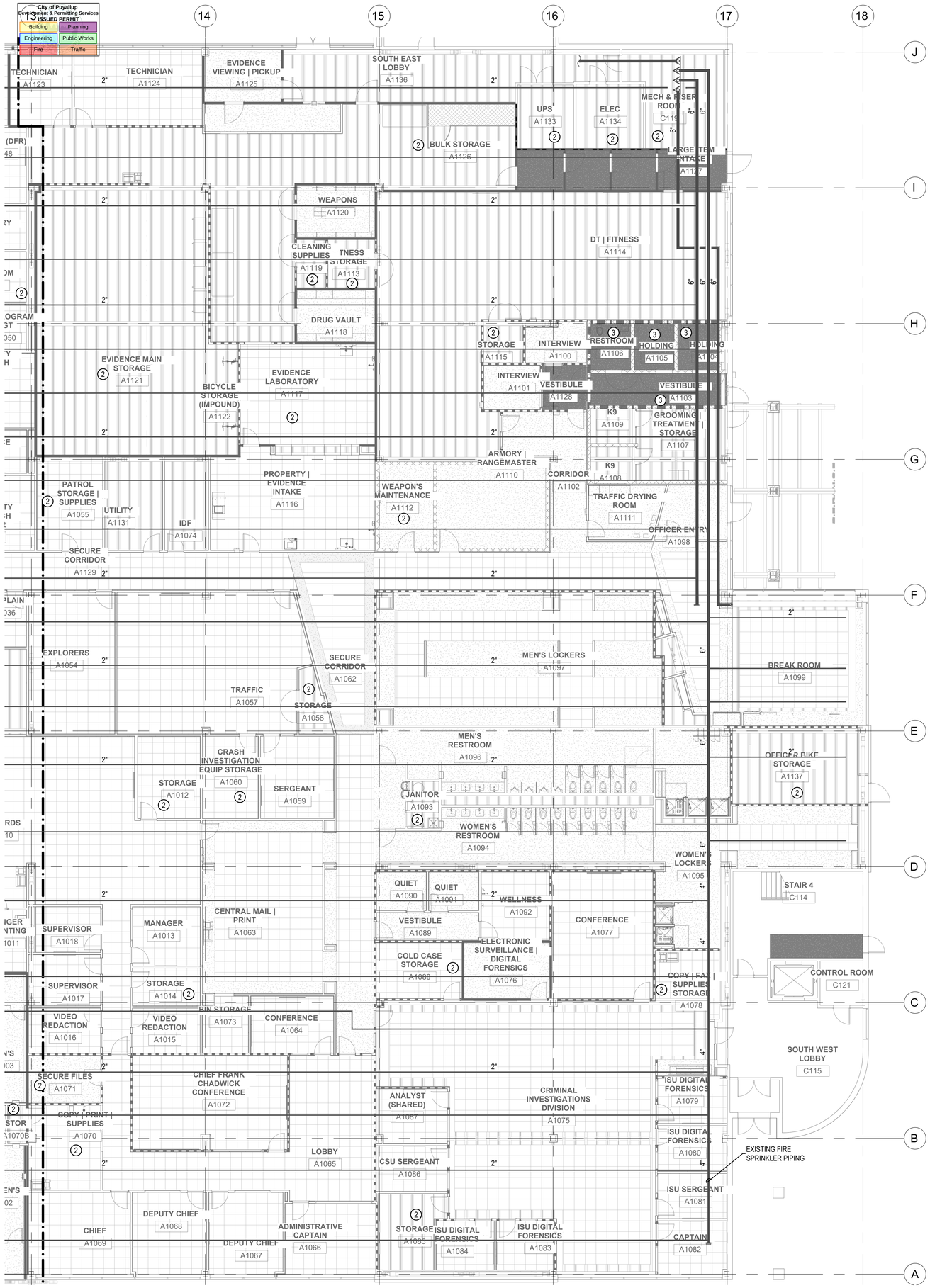
Delta	Issued As	Issue Date

SHEET TITLE:
FIRE PROTECTION - FIRST FLOOR PLAN - AREA A

SHEET
FX1.01

JOB NO. 2170269.07

PERMIT/BID SET - 03.04.2025



FIRE PROTECTION GENERAL NOTES

1. THE EXISTING CONDITION CONSISTS OF EXISTING MAINS AND BRANCH LINES AT APPROXIMATELY 15 FT. AFF THAT INCORPORATE UPRIGHT SPRINKLERS ON SPRIGS, AND PLUGGED 1" DIAMETER OUTLETS POINTING DOWN AT TYPICALLY 12 FT. SPACING ALONG THE BRANCH LINES (CONTRACTOR SHALL VERIFY EXISTING ROUTING SHOWN). CONCEALED SPRINKLER ON 1" DROPS PROTECT EXISTING CEILINGS AND CEILING CLOUDS.
2. THE FIRE SPRINKLER CONTRACTOR SHALL EXTEND NEW DROPS TO PENDENT SPRINKLERS THROUGHOUT NEW CEILING AREAS, AND MODIFY EXISTING UPRIGHT SPRINKLERS. NEW PENDENT SPRINKLERS SHALL BE FLAT-PLATE CONCEALED QUICK-RESPONSE SPRINKLERS WITH WHITE COVER PLATES IN ACT AND GWB CEILINGS , AND BRONZE, BLACK, OR SIMULATED WOOD-GRAIN FINISH IN WOOD CEILINGS (COORDINATE FINISH WITH ARCHITECT).
3. FIRE SPRINKLER CONTRACTOR TO ADD, RELOCATE, AND DEMO SPRINKLERS WITHIN THE AREA OF TENANT IMPROVEMENT FOR NEW AND REVISED WALLS, CEILINGS, LIGHTING, HVAC, AND ANY CHANGE OF ROOM'S HAZARD CLASS IN COMPLIANCE WITH NFPA #13 AND THE CITY OF PUYALLUP.
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3. FIRE SPRINKLER CONTRACTOR SHALL INSTALL LIGATURE RESISTANT INSTITUTIONAL TYPE SPRINKLERS IN THESE AREAS.

1 FX1.02 FIRE PROTECTION FLOOR PLAN - AREA B
1/8" = 1'-0"

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City of Puyallup

Project
Puyallup Public Safety Building
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CHRISTOPHER ANDREW ... REGISTERED PROFESSIONAL ENGINEER
05/27/2025
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REVISION SCHEDULE

Delta	Issued As	Issue Date

SHEET TITLE
FIRE PROTECTION - FIRST FLOOR PLAN - AREA B

SHEET
FX1.02

JOB NO. 2170269.07

PERMIT/BID SET - 03.04.2025