Abbreviations

AB	ANCHOR BOLT
AC	ACOUSTICAL
ACT	ACOUSTICAL CEILING TILE
ADJ	ADJUSTABLE
A/E	ARCHITECT OR ENGINEER
AFF	ABOVE FINISH FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
ALUM	ALUMINUM
ANOD	ANODIZED
APC	ACOUSTIC PANEL CEILING
ARCH	ARCHITECT, ARCHITECTURAL
ASF	ALUMINUM STOREFRONT
BAR	REINFORCING BAR
BFF	BELOW FINISH FLOOR
BLDG	BUILDING
BLKG	BLOCKING
BMU	BRICK MASONRY UNIT
BO	BOTTOM OF
BS	BOTH SIDES
BTWN	BETWEEN
BUR	BUILT-UP ROOF
CG	CORNER GUARD
CH	CEILING HEIGHT
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CORR	CORRIDOR
CPT	CARPET
CR	COLD ROLLED
CT	CERAMIC TILE
CTR	CENTER
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DL	DEADLOAD
DN	DOWN
DP	DIMENSION POINT
DR	DOOR
DS	DOWNSPOUT
DW	DISHWASHER
DWG	DRAWING
(E)	EXISTING
E	EAST
EA	EACH
EB	EXPANSION BOLT
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EXH	EXHAUST
EXP	EXPANSION
EXT	EXTERIOR
F	FIXTURE (LIGHT FIXTURE)
FB	FLAT BAR
FBO	FURNISHED BY OWNER
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FG	FINISH GRADE
FIN	FINISH
FIXT	FIXTURE
FLSHG	FLASHING
FND	FOUNDATION
FO	FACE OF
FOIC	FURNISHED BY OWNER INSTALLED BY CONTRACTOR
FOIO	FURNISHED AND INSTALLED BY OWNER
FT	FOOT, FEET
FTG	FOOTING
FV	FIELD VERIFY
GA	GAUGE
GB	GRAB BAR
G&S	GLUE & SCREW
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERAL
GL	GLASS
GL	GRID LINE
GMT	GLASS MOSAIC TILE
GWB	GYPSUM BOARD
GS	GYPSUM SHEATHING
H	HIGH
HI	HIGH
HDWR	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HVAC	HEATING, VENTILATION, AIR CONDITIONING
HWD	HARDWOOD
HWH	HOT WATER HEATER
ID	INSIDE DIAMETER
IN	INCH
INCL	INCLUDE, INCLUDING
INSUL	INSULATE, INSULATION
INT	INTERIOR
JT	JOINT
KO	KNOCK OUT
L	LOCK
L	LONG
L	LOW
LAM	LAMINATE, LAMINATED
LAV	LAVATORY
LL	LIVE LOAD
LN	LINOLEUM
LO	LOW
LT	LIGHT
LV	LIGHT VALENCE
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MB	METAL BASE
MECH	MECHANICAL
MEMB	MEMBRANE
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTL	METAL
MW	MICROWAVE
N	NORTH
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OCC	OCCUPANTS, OCCUPANCY
OD	OUTSIDE DIAMETER
OFF	OFFICE
OH	OVERHAND
OPNG	OPENING
OPP	OPPOSITE VIEW
OTS	OPEN TO STRUCTURE
P	PAINT
P-	PLUMBING FIXTURE
PC	POLYMER CEMENT
PERF	PERFORATED
PH	PANIC HARDWARE
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTIC
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT, PAINTED
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PT	PRESSURE TREATED
PTH	PAPER TOWEL HOLDER
R	RADIUS
RB	RUBBER BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFER, REFERENCE
REFR	REFRIGERATOR
REINF	REINFORCE, REINFORCED
REQD	REQUIRED
REV	REVISION
RM	ROOM
RO	ROUGH OPENING
RP	RESIN PANEL
SCHED	SCHEDULE
SD	SMOKE DETECTOR
SF	SQUARE FEET
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SMC	SUSPENDED METAL CEILING
SOG	SLAB ON GRADE
SP	SPLASH PAN
SPEC	SPECIFICATION, SPECIFIED
SQ	SQUARE
SSF	SOLID SURFACING
SSTL	STAINLESS STEEL
STL	STEEL
STOR	STORAGE
STN	STAIN
STRUCT	STRUCTURAL
SUSP	SUSPENDED
T	THERMOSTAT
T&G	TONGUE & GROOVE
TEL	TELEPHONE
TEMP	TEMPORARY
TEMP	TEMPERED
THK	THICK
TO	TOP OF
TOS	TOP OF STRUCTURE
TOW	TOP OF WALL
TS	TUBE STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V	VERIFY
VB	VAPOR BARRIER
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VP	VENEER PLASTER
W	WATT(S)
W	WIDE
W	WINDOW
W	WITH
WC	WATER CLOSET
WD	WOOD
W/D	WASHER/DRYER
W/O	WITHOUT
WP	WATERPROOF
WT	WEIGHT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH

SYMBOLS

&	AND
L	ANGLE
@	AT
C	CHANNEL
#	NUMBER

Drawing Symbols

NORTH ARROW

1 — GRID LINE MARKER

1 / A101 — EXTERIOR ELEVATION

SIM / 1 / A1.01 — BUILDING SECTION

SIM / 1 / A101 — WALL SECTION

1 / A101 — DETAIL

/ A101 / # — INTERIOR ELEVATIONS

ROOM NAME / 101 / F1 (CPT-1) — ROOM NAME, ROOM NUMBER, FLOOR FINISH (FINISH COLOR)

W1 — WINDOW TYPE

101A — DOOR NUMBER

RE1 — RELITE TYPE

10'-0" AFF — CEILING TYPE, CEILING HEIGHT

1 — PARTITION TYPE

1 — MATERIAL TAG

B.O.S. 9' - 6" — ELEVATION

410 — NEW TOPOGRAPHY

CONC ◄ ► CPT — FLOOR FINISH TRANSITION

1-HOUR FIRE RATED ENCLOSURE

2-HOUR FIRE RATED BUILDING SEPARATION

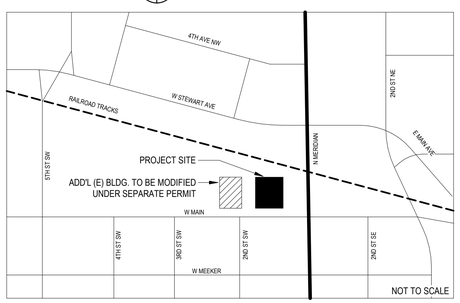
MATCHLINE

1 — REVISION TAG

T — TEACHING STATION TAG

Vicinity Map

NORTH



General Notes

1. CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE PROCEEDING WITH WORK. CONTRACTOR SHALL REPORT ERRORS, OMISSIONS AND DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
2. DIMENSIONS ARE SHOWN FACE OF STUD, FACE OF CONCRETE OR MASONRY, AND TO CENTERLINE OF GRID LINES, UNLESS NOTED OTHERWISE ON THE DRAWINGS. DIMENSIONS ARE SHOWN TO FACE OF FINISH FOR EXISTING WORK.
3. ALL APPLICABLE CODES AND ORDINANCES TAKE PRECEDENCE OVER ALL DRAWINGS, NOTES AND SPECIFICATIONS.
4. ALL WORK IS TO CONFORM TO THE CURRENT VERSION OF THE INTERNATIONAL BUILDING CODE (IBC) AND ALL AMENDMENTS IN EFFECT IN THE PERMITTING JURISDICTION AT THE TIME OF PERMITTING.
5. REPETITIVE FEATURES DRAWN OR NOTED ONLY ONCE SHALL BE COMPLETELY PROVIDED AS IF DRAWN OR NOTED IN FULL.
6. THESE DRAWINGS ARE SPECIFIC TO THIS PROJECT. THESE DRAWINGS OR PORTIONS THEREOF SHALL NOT BE USED FOR OTHER PROJECTS.
7. STOP WORK AND NOTIFY OWNER IF ASBESTOS OR HAZARDOUS MATERIALS ARE DISCOVERED.
8. DO NOT SCALE THE DRAWINGS. THE CONTRACTOR SHALL REFER TO DIMENSIONS SHOWN ON DRAWINGS AND INFORM ARCHITECT OF ANY DISCREPANCIES.

Materials & Symbols

- COMPACTED EARTH
- SAND, GRAVEL, OR CRUSHED ROCK
- CONCRETE
- METAL
- MASONRY (IN PLAN)
- WOOD - BLOCKING
- WOOD - CONTINUOUS
- WOOD FINISH
- RIGID INSULATION
- MINERAL WOOL BATT INSULATION
- MINERAL WOOL BOARD INSULATION
- GYPSUM BOARD

1. READ PERMIT CONDITIONS
2. Separate Permits required for Fire Alarm & Fire Sprinkler
3. Emergency Radio Testing Required
4. EXIT & Emergency Lighting Test Required

Project Information

Owner

COMMUNITY HEALTH CARE
1148 BROADWAY, SUITE 100
TACOMA, WA 98042
CONTACT: DEBBIE JACOBSON

Owner Project Manager

ROCK PROJECT MANAGEMENT SERVICES
1601 E VALLEY RD, SUITE 110
RENTON, WA 98057
CONTACT: ANNE REESE

Project Description

ADDRESS
111 W MAIN
PUYALLUP, WA 98371

TAX PARCEL NUMBER
7940100245

PROJECT DESCRIPTION
PROJECT SCOPE RECAP ONLY. REFER TO DRAWINGS AND SPECIFICATIONS FOR DESCRIPTION AND REQUIREMENTS.

ALTERATIONS TO EXISTING GARAGE AT GROUND FLOOR RETAIL LEVEL FROM EXISTING SHELL SPACE TO PROVIDE ADMINISTRATIVE AND PHARMACY WITH SUPPORT SPACES.

LEGAL DESCRIPTION
Section 28 Township 20 Range 04 Quarter 14 STEWARTS J P 1ST ADD PARCEL "B" OF DBLR 2006-04-14-5003 DESC AS FOLL COM AT 1/4 SEC COR COM TO SEC 28 & 27 TH N 89 DEG 11 MIN 44 SEC W 128.24 FT ALG C/L OF MAIN ST TH N 00 DEG 48 MIN 16 SEC E 30 FT TO S LI OF B 4 & POB TH CONT N 00 DEG 48 MIN 16 SEC E 59 FT TH N 89 DEG 11 MIN 44 SEC W 1 FT TH N 00 DEG 39 MIN 48 SEC E 100.67 FT TO A PT ON N LI OF PARCEL "A" OF DBLR 200510285005 TH N 89 DEG 12 MIN 45 SEC W 97.05 FT TO BEG OF NON TANG CURVE RAD OF 101 FT CENT S 23 DEG 43 MIN 42 SEC W TH ALG SD CURVE 74.50 FT THRU CENT ANGLE 42 DEG 15 MIN 49 SEC TH S 00 DEG 48 MIN 16 SEC W 161.91 FT TO NLY MAR OF SD ST TH S 89 DEG 11 MIN 44 SEC E 171.09 FT TO POB OUT OF 024-3, 024-1 & 04-20-28-1-164 SEG 2006-1084 04/26/06CL

Project Team

Architect

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SEATTLE, WA 98103
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KKLA
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PCS STRUCTURAL SOLUTIONS
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Mechanical Engineer

TRES WEST ENGINEERS
2702 42ND ST. SUITE 301
TACOMA WA 98409
CONTACT: DAVID MOORE

Electrical Engineer

TRES WEST ENGINEERS
2702 42ND ST. SUITE 301
TACOMA WA 98409
CONTACT: DAVID MOORE

THE APPROVED CONSTRUCTION PLANS, DOCUMENTS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.

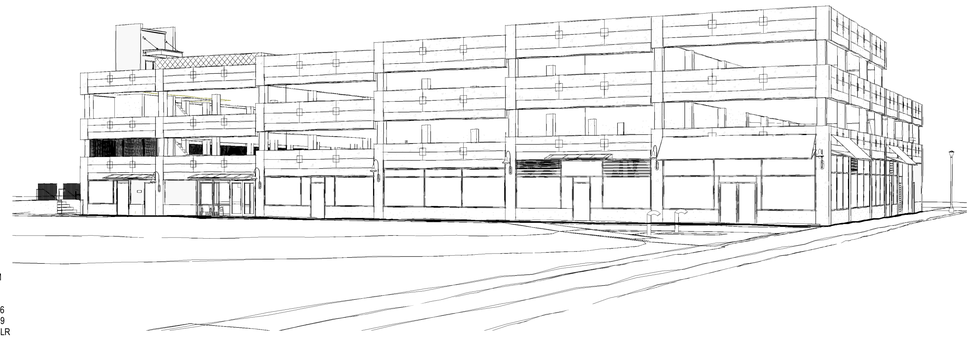
FULL SIZED LEDGIBLE COLOR PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITEE ON SITE FOR INSPECTION

Approval of submitted plans is not an approval of omissions or oversights 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 codes and regulations of the local government.

City of Puyallup
Building
APPROVED
See permit for additional requirements.
JMontgomery
01/18/2023
11:18:05 AM
CITY OF PUYALLUP STATE OF WASHINGTON

CHC Puyallup - Garage

PRCTI20221714



City of Puyallup
Development Engineering
APPROVED
See permit for additional requirements.
Linda Lian
01/17/2023
9:54:19 AM
CITY OF PUYALLUP STATE OF WASHINGTON

In accordance to City Standard 04.03.04 this project is required to install a sewer sampling tee on the existing sewer lateral. Building occupancy will not be granted until the installation is completed and a final approval granted.

** In accordance with Puyallup Municipal Code 14.02.220(3) this project is required to install a reduce pressure backflow assembly (RPBA). Building occupancy will not be granted until the installation is completed and a final approval granted **

In accordance with Puyallup Municipal Code 11.08.135 this project is required to make improvements to any street frontage that is damaged or that no longer meets current City or ADA design standard. Building occupancy will not be granted until the installation is completed and a final approval granted

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APPROVED PLAN
CITY OF PUYALLUP
PLANNING DIVISION

APPROVED BY: GClark

DATE: 11/23/2022

CASE NO.: PRCTI20221714

CONDITIONS:

CHC Puyallup - Garage

111 W. Main
Puyallup WA 98371

Miller Hayashi Architects
118 North 35th St. Suite 200
Seattle, Washington 98103
Tel: 206 634 0177
Fax: 206 634 0167

ARCHITECT'S STAMP

5222 REGISTERED ARCHITECT BRUCE A. HAYASHI STATE OF WASHINGTON

CONSULTANT

CONSULTANT'S STAMP

BUILDING DEPARTMENT'S STAMP

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

PHASE

PERMIT SET

DATE

11/02/2022

REVISIONS

No.	Description	Date

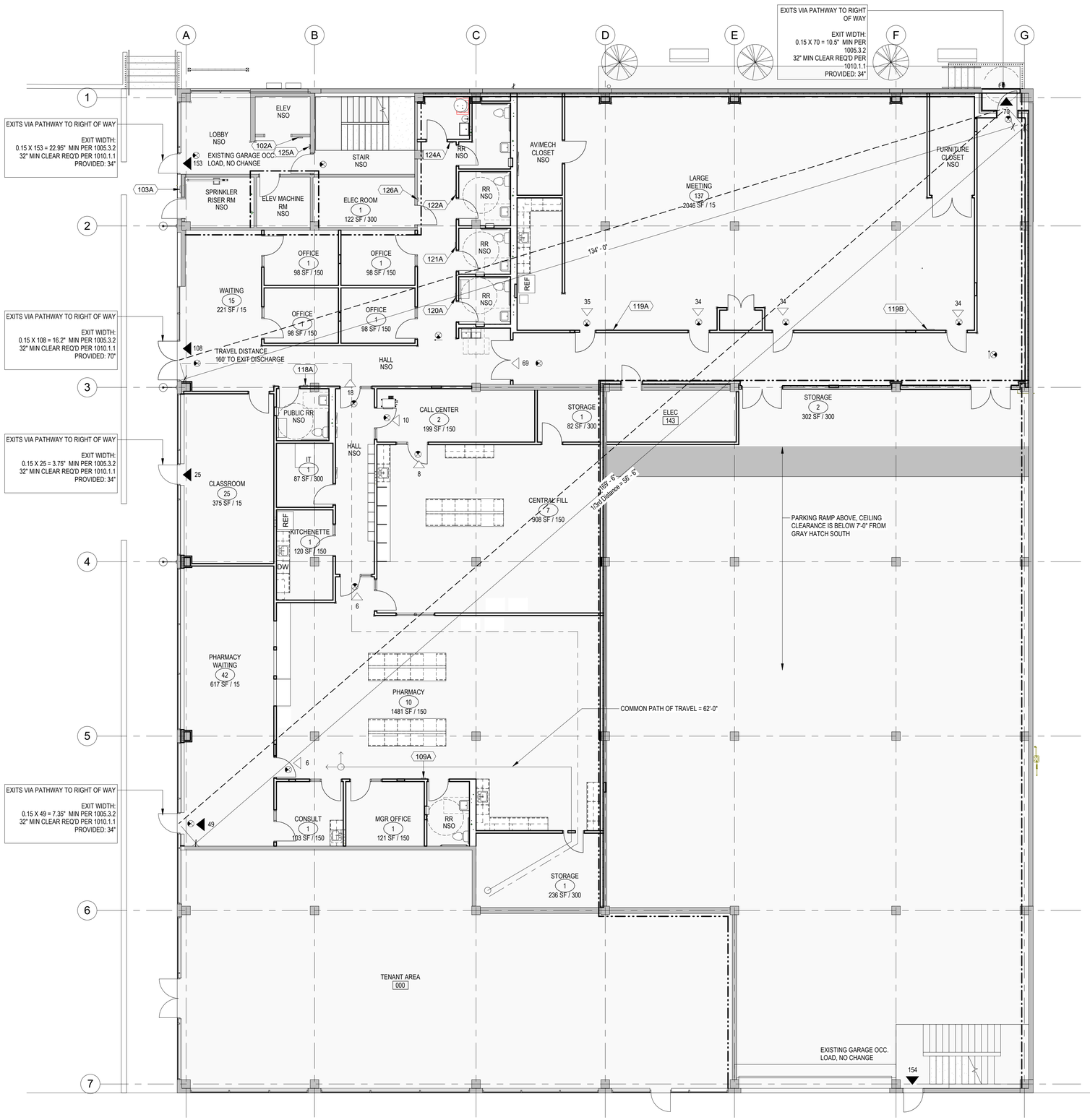
SHEET TITLE

TITLE SHEET, SHEET INDEX & GENERAL NOTES

SHEET NO.

AA1.00

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Building Code Summary

PRCTI20221714

APPLICABLE CODES
2018 INTERNATIONAL BUILDING CODE

CHAPTER 3 USE AND OCCUPANCY
SECTION 303.1.2: SMALL ASSEMBLY SPACES.
1. A ROOM OR SPACE USED FOR ASSEMBLY PURPOSES WITH AN OCCUPANT LOAD OF LESS THAN 50 PERSONS AND ACCESSORY TO ANOTHER OCCUPANCY SHALL BE CLASSIFIED AS GROUP B OCCUPANCY OR AS PART OF THAT OCCUPANCY.
2. A ROOM OR SPACE USED OFR ASSEMBLY PURPOSES THAT IS LESS THAN 750 SF IN AREA AND ACCESSORY TO ANOTHER OCCUPANCY SHALL BE CLASSIFIED AS GROUP B OCCUPANCY OR AS PART OF THAT OCCUPANCY.

SECTION 304.1 BUSINESS GROUP B (CLINIC, OUTPATIENT, ADMIN AREAS)

CHAPTER 6 TYPE OF CONSTRUCTION
SECTION 601 TYPE IIB FULLY SPRINKLERED
TABLE 601 IF STRUCTURES ARE WITHIN 10 FEET, 1-HR EXTERIOR WALL CONSTRUCTION REQUIRED.

CHAPTER 7 FIRE AND SMOKE PROTECTION
SECTION 705.8.1 ALLOWABLE AREA OF OPENINGS
EXCEPTION 2: BUILDINGS WHOSE EXTERIOR BEARING WALLS, EXTERIOR NON-BEARING WALLS AND EXTERIOR PRIMARY STRUCTURAL FRAME ARE NOT REQUIRED TO BE FIRE-RESISTANCE RATED SHALL BE PERMITTED TO HAVE UNLIMITED UNPROTECTED OPENINGS.

SECTION 712 VERTICAL OPENINGS
SECTION 712.1.6 DUCTS PENETRATING FLOOR LINES TO BE PROTECTED PER 717.6.3

SECTION 718 CONCEALED SPACES
SECTION 718.4.3 ATTIC DRAFT STOPPING EXCEPTION: DRAFT STOPPING IS NOT REQUIRED IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1

CHAPTER 10 MEANS OF EGRESS
SECTION 1004 OCCUPANT LOAD
TABLE 1004.1.2 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT:

ACCESSORY STORAGE, MECH, EQUIP.	300 GROSS
ASSEMBLY - CONCENTRATED (CHAIRS ONLY)	7 NET
ASSEMBLY- UNCONCENTRATED (TABLES AND CHAIRS):	15 NET
BUSINESS AREAS:	150 GROSS

SECTION 1005 MEANS OF EGRESS SIZING
SECTION 1005.3.1 STAIRWAYS. 0.2" WIDTH PER OCCUPANT WHEN SPRINKLERED; 0.3" IF NONSPRINKLERED.
SECTION 1005.3.2 OTHER EGRESS COMPONENTS. 0.15" WIDTH PER OCCUPANT WHEN SPRINKLERED; 0.2" IF NONSPRINKLERED.
SECTION 1005.7.1 ENCROACHMENT. DOORS SHALL NOT REDUCE REQUIRED WIDTH BY MORE THAN 7" WHEN FULLY OPEN OR BY MORE THAN HALF IN ANY POSITION.

SECTION 1006 NUMBER OF EXITS AND EXIT ACCESS DOORWAYS
TABLE 1006.2.1 SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY:
GROUP A: 49 OCC. MAX, 75' MAX COMMON PATH OF TRAVEL
GROUP B: 49 OCC. MAX, 100' MAX COMMON PATH OF TRAVEL IF SPRINKLERED OR OL < 30;

SECTION1006.3.1 EGRESS BASED ON OCCUPANT LOAD:
TABLE 1006.3.1: 1-500 OCCUPANTS PER STORY = MINIMUM 2 EXITS OR ACCESS TO EXITS FROM STORY

SECTION 1007 EXIT AND EXIT ACCESS DOORWAY CONFIGURATION
SECTION 1007.1.1 TWO EXITS OR EXIT ACCESS DOORWAYS. TWO REQUIRED EXITS SHALL BE PLACED NOT LESS THAN 1/2 THE OVERALL DIAGONAL DIMENSION.
EXCEPTION 2. WHERE A BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM THE SEPARATION DISTANCE SHALL NOT BE LESS THAN 1/3 THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED.

SECTION 1009 ACCESSIBLE MEANS OF EGRESS
SECTION 1009.1 ACCESSIBLE SPACES SHALL BE PROVIDED WITH NOT LESS THAN ONE ACCESSIBLE MEANS OF EGRESS. WHERE MORE THAN ONE MEANS OF EGRESS IS REQUIRED BY SECTION 1006.2 OR 1006.3 FROM ANY ACCESSIBLE SPACE, EACH ACCESSIBLE PORTION OF THE SPACE SHALL BE SERVED BY NOT LESS THAN TWO ACCESSIBLE MEANS OF EGRESS.
SECTION 1009.6 AREAS OF REFUGE (NOT REQUIRED REF. STAIRWAY & ELEVATOR EXCEPTIONS FOR SPRINKLERED BUILDINGS)
SECTION 1009.8 TWO-WAY COMMUNICATION: MUST BE PROVIDED AT EACH ELEVATOR LANDING THAT IS ONE OR MORE STORIES ABOVE OR BELOW THE LEVEL OF EXIT DISCHARGE.

SECTION 1011 STAIRWAYS
SECTION 1011.2 WIDTH AND CAPACITY
THE REQUIRED CAPACITY OF STAIRWAYS SHALL BE DETERMINED AS SPECIFIED IN SECTION 1005.1, BUT THE MINIMUM WIDTH SHALL BE NOT LESS THAN 44 INCHES. SEE SECTION 1009.3 FOR MEANS OF EGRESS STAIRWAYS
EXCEPTION 1. STAIRWAYS SERVING AN OCCUPANT LOAD OF LESS THAN 50 SHALL HAVE A WIDTH OF NOT LESS THAN 36 INCHES.
SECTION 1011.5 STAIR TREADS AND RISERS
SECTION 1011.5.2 STAIR RISER HEIGHTS SHALL BE 7 INCHES MAXIMUM AND 4 INCHES MINIMUM...RECTANGULAR TREAD DEPTHS SHALL BE 11 INCHES MINIMUM...
SECTION 1011.5.4 DIMENSIONAL UNIFORMITY
STAIR TREADS AND RISERS SHALL BE OF UNIFORM SIZE AND SHAPE. THE TOLERANCE BETWEEN THE LARGEST AND SMALLEST RISER HEIGHT OR BETWEEN THE LARGEST AND SMALLEST TREAD DEPTH SHALL BE 3/8 INCH IN ANY FLIGHT OF STAIRS.
SECTION 1011.6 STAIRWAY LANDINGS
THERE SHALL BE A LANDING AT THE TOP AND BOTTOM OF EACH STAIRWAY. THE WIDTH OF THE LANDINGS SHALL NOT BE LESS THAN THE WIDTH OF THE STAIRWAYS SERVED. EVERY LANDING SHALL HAVE A MINIMUM WIDTH MEASURED PERPENDICULAR TO THE DIRECTION OF TRAVEL EQUAL TO THE WIDTH OF THE STAIRWAY.

SECTION 1016 EXIT ACCESS
SECTION 1016.2 EGRESS THROUGH INTERVENING SPACES. INTERVENING ROOMS MUST BE ACCESSORY TO AN AREA, NOT A HIGH HAZARD OCCUPANCY, WITH A DISCERNABLE PATH OF EGRESS TRAVEL TO AN EXIT.

SECTION 1017 EXIT ACCESS TRAVEL DISTANCE
TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE:
GROUP B: 200' MAX (NONSPRINKLERED); 300; MAX (SPRINKLERED)
SECTION 1017.3.1 MEASUREMENT. TRAVEL DISTANCE ON EXIT ACCESS STAIRWAYS OR RAMPS SHALL BE INCLUDED IN THE EXIT ACCESS TRAVEL DISTANCE MEASUREMENT.

SECTION 1020 CORRIDORS
TABLE 1020.1 CORRIDOR FIRE-RESISTANCE RATING:
GROUP B: NOT RATED IF SPRINKLERED OR 30 OR FEWER OCCUPANTS;
OTHERWISE 1 HR REQUIRED
TABLE 1020.2 MINIMUM CORRIDOR WIDTH = 44" MIN
1020.4 CORRIDOR DEAD ENDS. 25' MAX.
EXCEPTION 2: GROUP B OCCUPANCIES W/ SPRINKLER ALLOWS 50' MAX ; EXCEPTION 3: NOT LIMITED IF LENGTH < 2.5 TIMES LEAST WIDTH

CHAPTER 29 PLUMBING FIXTURES
SECTION 2902 MINIMUM PLUMBING FACILITIES
TABLE 2902.1 MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES:

OCCUPANCY	WATER CLOSETS		LAVATORIES	
	MALE	FEMALE	MALE	FEMALE
B Occupancy: 6,375 SF/150 64 Total occupants (32 Male + 32 Female)	1 PER 25 FOR FIRST 50, 1 PER 50 FOR REMAINDER		1 PER 40 FOR FIRST 80, 1 PER 80 FOR REMAINDER	
	First 50 = (1) + .14 = 1.14	First 50 = (1) + .14 = 1.14	First 80 = 1	First 80 = 1
SUM REQUIRED (A)	1.14 / 2	1.14 / 2	1 / 1	1 / 1
A Occupancy: 3,630 SF/15 242 Total occupants (121 Male + 121 Female)	1 PER 25 FOR FIRST 50, 1 PER 50 FOR REMAINDER		1 PER 40 FOR FIRST 80, 1 PER 80 FOR REMAINDER	
	First 50 = (2) + 1.42 = 3.42	First 50 = (2) + 1.42 = 3.42	First 80 = (2) + 2.02 = 3.02	First 80 = (2) + 2.02 = 3.02
SUM REQUIRED (B)	3.42 / 4	3.42 / 4	3.02 / 4	3.02 / 4
TOTAL REQUIRED	**6**	**6**	**5**	**5**
TOTAL PROVIDED	GENDER NEUTRAL: 6 WC'S		GENDER NEUTRAL: 6 LAVS	

Code Plan Legend

- Name / # / 150 SF / 100 — ROOM NAME; OCCUPANT LOAD; OCCUPANT LOAD FACTOR; ROOM AREA
- EXIT PATHWAY
- XX — OCCUPANT LOAD AT EXIT
- XX — OCCUPANT LOAD FROM SPACE
- FEC — FIRE EXTINGUISHER CABINET
- ILLUMINATED EXIT SIGN
- DENOTES EXTENTS OF OCCUPANCY GROUP INDICATED
- 1-HR FIRE RATED ASSEMBLY
- BUILDING SEPARATION LINE

CHC Puyallup - Garage

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ARCHITECT'S STAMP

5222 REGISTERED ARCHITECT BRUCE T. HAYASHI STATE OF WASHINGTON

CONSULTANT

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BUILDING DEPARTMENT'S STAMP

City of Puyallup
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PHASE
PERMIT SET

DATE
11/02/2022

REVISIONS

No.	Description	Date

SHEET TITLE
CODE SHEET

SHEET NO.
AA1.10

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Wall Type U-Factor Calculations

(E) 6" conc with new interior R-16.2 cont. rigid and metal framing with R-13 batt	**W1**	Mass
Exterior Air Film		0.17 (ref Table A101.5)
6" concrete		0.38 (ref Table A101.5)
1/4" air space		0.91 (ref Table A101.5)
2x4 w/ R-13 batt		6.00 (ref Table A103.3.6.2)
2" cont. rigid		13.00 (mfr data)
5/8" GWB		0.56 (ref Table A101.5)
Interior Air Film		0.68 (ref Table A101.5)
total R		21.70
U-factor (1/R)		**0.046**

(E) 8" Concrete (e) with new interior R-16.2 cont. rigid and metal framing with R-13 batt	**W2**	Mass
Exterior Air Film		0.17 (ref Table A101.5)
8" concrete		0.50 (ref Table A101.5)
2" cont. rigid		13.00 (mfr data)
1/4" air space		0.91 (ref Table A101.5)
2x4 w/ R-13 batt		6.00 (ref Table A103.3.6.2)
5/8" GWB		0.56 (ref Table A101.5)
Interior Air Film		0.68 (ref Table A101.5)
total R		21.82
U-factor (1/R)		**0.046**

(E) plaster and 6" stud with new interior R-16.2 cont. rigid and metal framing with R-13 batt	**W3**
Exterior Air Film	0.17 (ref Table A101.5)
7/8" Plaster/Stucco	0.08 (ref Table A101.5)
5/8" Gyp shealthing	0.56 (ref Table A101.5)
2x6 w R-19 batt	7.10 (ref Table A103.3.6.2)
2" cont. rigid	13.00 (mfr data)
1/4" air space	0.91 (ref Table A101.5)
2x4 w/ R-13 batt	6.00 (ref Table A103.3.6.2)
5/8" GWB	0.56 (ref Table A101.5)
Interior Air Film	0.68 (ref Table A101.5)
total R	29.06
U-factor (1/R)	**0.034**

(E) plaster and 8" CMU new interior R-16.2 cont. rigid and metal framing with R-13 batt	**W4**	Mass
Exterior Air Film		0.17 (ref Table A101.5)
7/8" Plaster		0.08 (ref Table A101.5)
Exterior Air Film		0.17 (ref Table A101.5)
8" CMU		0.69 (ref Table A101.5)
2" cont. rigid		13.00 (mfr data)
1/4" air space		0.91 (ref Table A101.5)
2x4 w/ R-13 batt		6.00 (ref Table A103.3.6.2)
5/8" GWB		0.56 (ref Table A101.5)
Interior Air Film		0.68 (ref Table A101.5)
total R		22.26
U-factor (1/R)		**0.045**

(E) 4" wetal stud w/ 2layers gwb each side	**W5**
Exterior Air Film	0.17 (ref Table A101.5)
(2) 5/8" GWB	1.02 (ref Table A101.5)
2" cont. rigid	13.00 (mfr data)
2x4" studs R-13 Batt	6.00 (ref Table A103.3.6.2)
(2) 5/8" GWB	1.02 (ref Table A101.5)
Interior Air Film	0.68 (ref Table A101.5)
total R	21.89
U-factor (1/R)	**0.046**

(E) 4" wetal stud w/ 2layers gwb each side	**W6**	MASS
Exterior Air Film		0.17 (ref Table A101.5)
(E)6" Concrete panel		0.38 (ref Table A101.5)
(E)16" concrete		1.00 (ref Table A101.5)
2" cont. rigid		13.00 (mfr data)
5/8" GWB		0.56 (ref Table A101.5)
Interior Air Film		0.68 (ref Table A101.5)
total R		15.79
U-factor (1/R)		**0.063**

New Fiber Cement Panel	**W7**
Exterior Air Film	0.17 (ref Table A101.5)
Fiber Cement Panel	0.38 (ref Table A101.5)
2" cont. rigid	13.00 (mfr data)
1/2" Sheething	0.45 (ref Table A101.5)
6" framing with R-19	7.10 (ref Table A103.3.6.2)
5/8" GWB	0.56 (ref Table A101.5)
Interior Air Film	0.68 (ref Table A101.5)
total R	22.34
U-factor (1/R)	**0.045**

(E) slab on grade	**(E)S**
Floor Finish	1.23
24" Concrete	0.38 (ref Table A101.5)
Interior Air Film	0.68 (ref Table A101.5)
total R	2.29
U-factor (1/R)	**0.437**

(E) slab above with new 4" Ridgid	**S1**
Exterior Air Film	0.17 (ref Table A101.5)
6" concrete	0.38 (ref Table A101.5)
4" cont. rigid	19.50 (mfr data) 6.5 R per inch
Interior Air Film	0.68 (ref Table A101.5)
total R	20.73
U-factor (1/R)	**0.048**

(E) slab above with new 6" Ridgid	**S2**
Exterior Air Film	0.17 (ref Table A101.5)
6" concrete	0.38 (ref Table A101.5)
6" cont. rigid	39.00 (mfr data) 6.5 R per inch
Interior Air Film	0.68 (ref Table A101.5)
total R	40.23
U-factor (1/R)	**0.025**

Exterior Construction Assembly Schedule/Wall Section Key Notes

W1 **EXISTING CONCRETE WALL WITH NEW FURRED INTERIOR**
(E)6" CONCRETE WALL
(E)1/4" AIR SPACE
(E) 4" METAL STUDS W/ NEW R-13 BATT INSULATION
2" RIGID INSULATION 6.5R PER INCH FASTENED TO STUDS, TAPED & SEALED VAPOR RETARDER
5/8" GYPSUM WALL BOARD FINISH REF FINISH SCHEDULE

W2 **EXISTING BELOW GRADE CONCRETE WALL WITH NEW FURRED INTERIOR**
(E)8" CONCRETE WALL
2" RIGID INSULATION 6.5R PER INCH FASTENED TO CONCRETE, TAPED & SEALED
1/4" AIR SPACE
4" METAL STUDS W/ NEW R-13 BATT INSULATION
VAPOR RETARDER
5/8" GYPSUM WALL BOARD FINISH REF FINISH SCHEDULE

W3 **EXISTING FRAMED WALL W/ PLASTER SIDING AND NEW FURRED INTERIOR**
(E) 7/8" EXTERIOR PLASTER/STUCCO
(E) 5/8" EXTERIOR GYP SHEATHING
(E) 6" METAL FRAMING WITH R-19 BATT INSULATION
2" RIGID INSULATION 6.5R PER INCH FASTENED TO CONCRETE, TAPED & SEALED
1/4" AIR SPACE
4" METAL STUDS W/ NEW R-13 BATT INSULATION
VAPOR RETARDER
5/8" GYPSUM WALL BOARD, FINISH REF FINISH SCHEDULE

W4 **EXISTING CMU W/ NEW FURRED INTERIOR**
(E) 7/8" EXTERIOR PLASTER
(E) 8" CMU
2" RIGID INSULATION 6.5R PER INCH FASTENED TO CONCRETE, TAPED & SEALED
(E)1/4" AIR SPACE
(E) 4" METAL STUDS W/ NEW R-13 BATT INSULATION
5/8" GYPSUM WALL BOARD FINISH REF FINISH SCHEDULE

W5 **NEW 2 HOUR 4" STUD FRAMED WALL WITH NEW FURRED INTERIOR**
(2) TYPE X 5/8 GWB
2x4 STUD METAL FRAMING W/ R-13 BATT INSULATION
2" RIGID INSULATION 6.5R PER INCH FASTENED TO STUDS, TAPED & SEALED
VAPOR RETARDER
(2) TYPE X 5/8" GYPSUM WALL BOARD FINISH REF FINISH SCHEDULE

W6 **COLUMN WRAP**
(E)8" CONCRETE WALL
(E)16"X16" CONCRETE COLUMN
VAPOR RETARDER
2" RIGID INSULATION 6.5R PER INCH FASTENED TO CONCRETE, TAPED & SEALED
5/8" GYPSUM WALL BOARD FINISH REF FINISH SCHEDULE

W7 **NEW FRAMED WALL W/ METAL WALL PANEL SYSTEM**
PREFINISHED METAL WALL PANEL SYSTEM, REF EXTERIOR ELEVATIONS
CONTINUOUS 2" RIGID INSULATION 6.5R PER INCH WITH CLADDING SUPPORT CLIP SYSTEM
AIR & WEATHER BARRIER
SHEATHING
6" LIGHT GAUGE METAL FRAMING WITH R-19 BATT INSULATION
VAPOR RETARDER
5/8" GYPSUM WALL BOARD FINISH REF FINISH SCHEDULE

S1 **EXISTING CONCRETE SLAB CEILING**
(E) 6" CONCRETE SLAB
AIR BARRIER
3" RIGID INSULATION 6.5R PER INCH

S2 **EXISTING CONCRETE SLAB CEILING**
(E) 6" CONCRETE SLAB
AIR BARRIER
6" RIGID INSULATION 6.5R PER INCH

ES **EXISTING CONCRETE SLAB ON GRADE**
(E) 24" CONCRETE SLAB ON GRADE

FE1 **EXISTING STOREFRONT SYSTEM**

ED1 **EXISTING STOREFRONT DOOR**

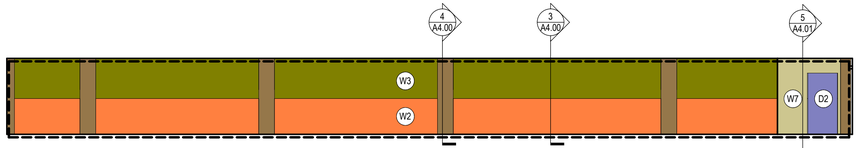
F1 **NEW STOREFRONT SYSTEM**
STOREFRONT AND/OR WINDOW ASSEMBLY
REF WINDOW TYPES ON A2.72
FIXED STOREFRONT
U-FACTOR = 0.38
SHGC = 0.38

D1 **NEW STOREFRONT ENTRANCE DOOR**
U-FACTOR = 0.60
SHGC = 0.40

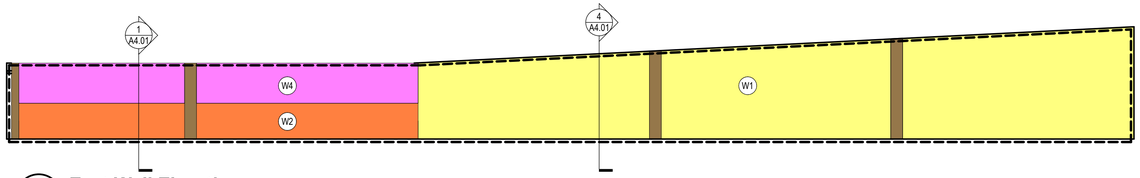
D2 **NEW OPAQUE ENTRANCE DOOR**
U-FACTOR = 0.30

Assemby Legend

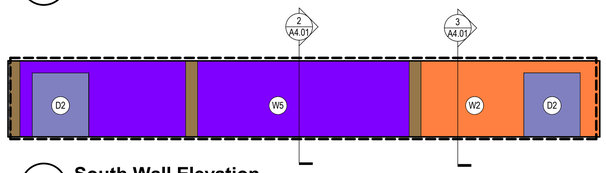
W1
W2
W3
W4
W5
W6
W7
S1
S2
(E)F
F1
D1
D2



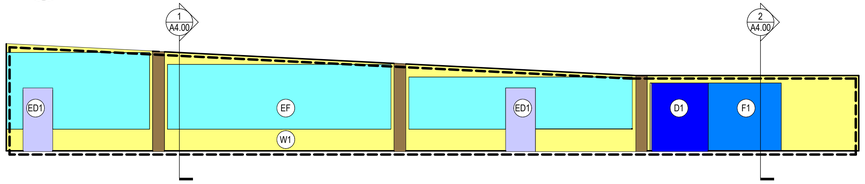
1 **North Wall Elevation**
1/8" = 1'-0"



2 **East Wall Elevation**
1/8" = 1'-0"



3 **South Wall Elevation**
1/8" = 1'-0"



4 **West Wall Elevation**
1/8" = 1'-0"

Thermal Envelope/Aia Barrier

THERMAL ENVELOPE BOUNDARY , AND AIR BARRIER

AREA OF 6-SIDE AIR BARRIER BOUNDARIES = 13348.8SF

Project Close Out Documents

AIR BARRIER TESTING REPORT
WSEC ENVELOPE COMPLIANCE REPORT
FENESTRATION NFRC RATING CERTIFICATES

Energy Code

PRCTI20221714

2018 WASHINGTON STATE ENERGY CODE

CHAPTER 3 GENERAL REQUIREMENTS

TABLE C301.1 CLIMATE ZONE
PIERCE IN ZONE 4-C (4-MARINE)

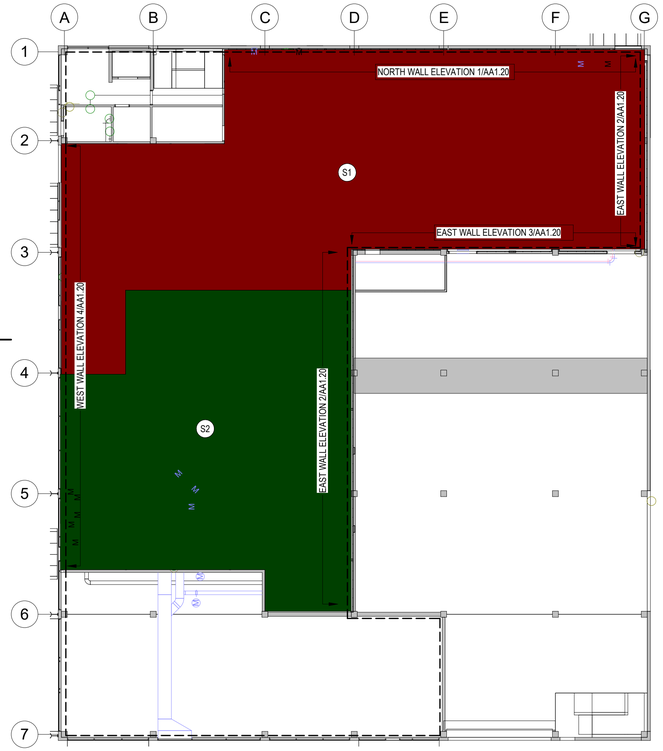
CHAPTER 4 COMMERCIAL ENERGY EFFICIENCY
C402.4.4 DOORS
OPAQUE DOORS SHALL COMPLY WITH APPLICABLE REQUIREMENTS FOR DOORS AS SPECIFIED IN TABLES C402.1.3 AND C402.1.3 AND BE CONSIDERED PART OF THE GROSS AREA OF ABOVE GRADE WALL THAT ARE PART OF THE BUILDING THERMAL ENVELOPE. OTHER DOORS SHALL COMPLY WITH THE PROVISION OF SECTION C402.4.3 FOR VERTICAL FENESTRATION AND THE ENTIRE DOOR ARE, INCLUDING FRAME, SHALL BE CONSIDERED PART OF THE FENESTRATION AREA OF THE BUILDING THERMAL ENVELOPE.
OPAQUE SWINGING U-0.37

C402.5.1.2 BUILDING TEST
THE COMPETED BUILDING SHALL BE TESTED AND THE AIR LEAKAGE RATE OF THE BUILDING ENVELOPE SHALL NOT EXCEED....

C402.5.7 VESTIBULES
ALL BUILDING ENTRANCES SHALL BE PROTECTED WITH AN ENCLOSED VESTIBULE.....
EXCEPTION 1. DOORS NOT INTENDED TO BE USED AS BUILDING ENTRANCES.

C501.4 COMPLIANCE. ALTERATIONS, REPAIRS, ADDITIONS AND CHANGES OF OCCUPANCY TO , OR RELOCATION OF, EXISTING BUILDINGS AND STRUCTURES SHALL COMPLY WITH THE PREVISIONS FOR ....
C501.4.1 U-FACTOR REQUIREMENTS FOR RETROFITS, FOR EXISTING BUILDING PROJECTS WHERE A ADDITION OR BUILDING ENVELOPE RETROFIT AREA IS COMBINED WITH EXISTING-TO-REMAIN BUILDING AREAS TO DEMONSTRATE COMPLIANCE WITH THIS CODE AS A WHOLE BUILDING, THE U-FACTORS APPLIED TO EXISTING-TO-REMAIN ENVELOPE ASSEMBLIES SHALL BE IN ACCORDANCE WITH RECORD DOCUMENTS.

CHAPTER 5 EXISTING BUILDINGS
C503 ALTERATIONS
503.1 GENERAL. ALTERATIONS TO ANY BUILDING OR STRUCTURE SHALL COMPLY WITH THE REQUIREMENTS OF SECTION C503 AND THE CODE FOR NEW CONSTRUCTION. ALTERATIONS TO AN EXISTING BUILDING...
EXCEPTION:
4. CONSTRUCTION WHERE THE EXISTING ROOF, WALL OR FLOOR CAVITY IS NOT EXPOSED.
7. REPLACEMENT OF EXISTING DOORS THAT SEPARATE CONDITIONED SPACE FROM THE EXTERIOR SHALL BOT REQUIRE THE INSULATION OF A VESTIBULE OR REVOLVING DOOR, PROVIDED HOWEVER THAT AN EXISTING VESTIBULE THAT SEPARATES A CONDITIONED SPACE FROM HE EXTERIOR SHALL BOT BE REMOVED.
C503.2 CHANGES IN SPACE CONDITIONING.
ANY LOW ENERGY SPACE IN ACCORDANCE WITH SECTION C402.1.1.1 THAT IS ALTERED TO BECOME CONDITIONED SPACE OR SEMI-HEATED SPACE SHALL BE BROUGHT INTO FULL COMPLIANCE WITH THIS CODE. ANY SEMI-HEATED SPACE IN ACCORDANCE...
EXCEPTION: BUILDINGS OR SPACES THAT WERE PERMITTED PRIOR TO 2009 WSEC, OR WERE ORIGINALLY PERMITTED AS UNCONDITIONED, MAY COMPLY WITH THIS SECTION AS FOLLOWS:
1. WHERE THE COMPONENT PERFORMANCE ALTERNATIVE IS SECTION C402.1.5 IS USED TO DEMONSTRATE COMPLIANCE WITH THIS SECTION, THE PROPOSED TOTAL UA IS ALLOWED TO BE UP TO 110 PERCENT OF THE ALLOWABLE TOTAL UA. THIS EXCEPTION MAY BE APPLIED TO THE PROJECT AREA ALONE, OR TO THE EXISTING BUILDING AND PROJECT AREA COMBINED AS A WHOLE BUILDING.



5 **Level 1 RCP Energy Code Diagram**
1/16" = 1'-0"

CHC Puyallup - Garage

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Puyallup WA 98371

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PHASE
PERMIT SET

DATE
11/02/2022

REVISIONS

No.	Description	Date

SHEET TITLE
THERMAL ENVELOPE DIAGRAMS

SHEET NO.
AA1.20

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ENVELOPE COMPLIANCE SUMMARY

2018 WSEC Compliance Forms for Commercial Buildings including Group R2, R3 & R4 over 3 stories and all R1

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Project & Applicant Information	**Project Title**	CHC Puyallup Garage - 2018 WSEC	For Building Department Use: **Date: Nov 02, 2022**
	Project Address	111 W Main Puyallup, WA 98371	
	Applicant Name	Rebecca Cook	
	Applicant Phone	206-634-0177	
	Applicant Email	rebeccacook@millerhayashi.com	

For questions about this report, contact WSEC Commercial Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com

General Occupancy	All Commercial	**General Building Use Type**	Office, Medical	**Building Cond. Floor Area**	9,843
Project Scope	Alteration	**Space Conditioning Categories**	Fully Conditioned	**Project Cond. Floor Area**	9,843
				Floors Above Grade	1
				Compliance Method	Compliance Method 1 - General
Envelope Project Description	TI of existing storefront on the first floor of a garage to be Pharmacy and office space.				

Envelope Compliance Scope and Method	Scope	Space Conditioning Category	Compliance Method	WWR/SRR per Category	UA Calculation Adjustment	Fenestration Alternates	Compliance Verification
	Alteration	Fully Conditioned	Component performance	18.40% / %	No Calculation Adjustments allowed	No alternates selected	**COMPLIES**

Air Barrier Testing	Air barrier testing included in project scope	**Air Barrier Comments**	

Project Title	CHC Puyallup Garage - 2018 WSEC	**Date**	Nov 02, 2022
Scope & Space Conditioning	**ALTERATION - FULLY CONDITIONED**	**Compliance Verification**	**COMPLIES**
Window-to-wall Ratio	18.40%	**Skylight-to-roof-ratio**	% **Vertical Fenestration Alternate** No alternates selected

Opaque Envelope Assemblies

				Insulation R-Values				
Roof/Ceiling	**Location in Documents**	**Assembly ID**	**Assembly Location**	**Cavity**	**Continuous (% penetration)**	**2nd Layer (MB Roof)**	**U-Factor**	**Net Area (SF)**
Insulation entirely above deck	A4.00	S1	Exterior		R-19.5 (< 0.04%)		U-0.048	5,928
	U-Factor Source: Computed			U-Factor Source Description: Table A101.5 (concrete), Mfr. data (insulation)				
	Is this assembly exterior or interior?: Exterior			Is assembly new, upgraded or unaltered existing?: Upgraded existing assembly				
Insulation entirely above deck	A4.00	S2	Exterior		R-39 (< 0.04%)		U-0.025	3,979
	U-Factor Source: Computed			U-Factor Source Description: Table A101.5 (concrete), Mfr. data (insulation)				
	Is this assembly exterior or interior?: Exterior			Is assembly new, upgraded or unaltered existing?: Upgraded existing assembly				
Walls	**Location in Documents**	**Assembly ID**	**Assembly Location**	**Cavity**	**Continuous (% penetration)**	**Insulated Wall Furring**	**U-Factor**	**Net Area (SF)**
Steel-framed - Commercial	A4.00	W7	Exterior	R-18	R-13 (< 0.04%)		U-0.45	36
	U-Factor Source: Other U-Factor Source			U-Factor Source Description: Table A101.5 (framed wall, GWB), Mfr. data (insulation)				
	Framing Depth: 2x6			Framing Spacing: 18"				
	Is this assembly exterior or interior?: Exterior			Is assembly new, upgraded or unaltered existing?: New assembly				
Steel-framed - Commercial	A4.00	W5	Exterior	R-6	R-13 (< 0.04%)		U-0.046	190
	U-Factor Source: Computed			U-Factor Source Description: Table A101.5 (framed wall, GWB), Mfr. data (insulation)				
	Framing Depth: 2x4			Framing Spacing: 24"				
	Is this assembly exterior or interior?: Exterior			Is assembly new, upgraded or unaltered existing?: Upgraded existing assembly				
Steel-framed - Commercial	A4.00	W3	Exterior	R-15	R-13 (< 0.04%)		U-0.034	366
	U-Factor Source: Computed			U-Factor Source Description: Table A101.5 (framed wall, GWB), Mfr. data (insulation)				
	Framing Depth: Other Framing Depth			Framing Spacing: 24"				
	Is this assembly exterior or interior?: Exterior			Is assembly new, upgraded or unaltered existing?: Upgraded existing assembly				
Mass (precast concrete) - Commercial	A4.00	W2	Yes	R-6	R-13 (< 0.04%)	Yes	U-0.046	649
	Does assembly include wall furring?: Yes			Wall Furring Material: Steel-frame				
	Framing Depth: 2x4			Framing Spacing: 24"				
	U-Factor Source: Computed			U-Factor Source Description: Table A101.5 (concrete, framed wall, GWB), Mfr. data (insulation)				
	Is assembly new, upgraded or unaltered existing?: Upgraded existing assembly							
Mass (precast concrete) - Commercial	A4.00	W1	Yes	R-6	R-13 (< 0.04%)	Yes	U-0.046	1,095
	Does assembly include wall furring?: Yes			Wall Furring Material: Steel-frame				
	Framing Depth: 2x4			Framing Spacing: 24"				
	U-Factor Source: Computed			U-Factor Source Description: Table A101.5 (concrete, framed wall, GWB), Mfr. data (insulation)				
	Is assembly new, upgraded or unaltered existing?: Upgraded existing assembly							
Mass (concrete masonry) - Commercial	A4.00	W4	Yes	R-6	R-13 (< 0.04%)	Yes	U-0.045	364
	Is CMU wall eligible for wall insulation exception?: No			Percentage of CMU cores filled with insulation: (Select One)				
	Space type enclosed by CMU walls: (Select One)			Does assembly include wall furring?: Yes				
	Wall Furring Material: Steel-frame			Framing Depth: 2x4				
	Framing Spacing: 24"			U-Factor Source: Computed				
	U-Factor Source Description: Table A101.5 (CMU, framed wall, GWB), Mfr. data (insulation)			Is assembly new, upgraded or unaltered existing?: Upgraded existing assembly				

Fenestration & Opaque Door Assemblies

				Insulation R-Values				
Opaque Doors	**Location in Documents**	**Assembly ID**	**Assembly Location**	**Door Insulation**			**U-Factor**	**Rough Opening (SF)**
Swinging	A4.00	D2	Exterior	R-20			U-0.37	69
	What percentage of this opaque door is glazing?: 50% or less			U-Factor Source: Other U-Factor Source				
	U-Factor Source Description: MFR of Door			Is this assembly exterior or interior?: Exterior				
	Is this a public entrance door?: No			Is assembly new, upgraded or unaltered existing?: New assembly				
Vertical Fenestration	**Location in Documents**	**Assembly ID**	**Assembly Location**	**Orientation**	**Shading (PF)**	**Fenestration SHGC**	**Fenestration U-Factor**	**Rough Opening (SF)**
Fixed - Class AW or site built	A4.00	F1	Exterior	South/East/West Facing	PF < 0.2	SHGC-0.38	U-0.38	62
	U-Factor & SHGC Source: Other Source			U-Factor Source Description: MFR of Storefront system				
	Is this assembly exterior or interior?: Exterior			Is assembly new, upgraded or unaltered existing?: New assembly				
Operable - Class AW or site built	A4.00	D1	Exterior	South/East/West Facing	PF < 0.2	SHGC-0.38	U-0.4	48
	U-Factor & SHGC Source: Other Source			U-Factor Source Description: MFR of Storefront system				
	Is this assembly exterior or interior?: Exterior			Is assembly new, upgraded or unaltered existing?: New assembly				

11/2/22, 11:25 AM https://www.waenergycodes.com/print_project_summary_form.php?k=Y29tYm9fdGZ2X3B0PXNjY19mdWxseV9jb25kaXRpb25lZCU3Q3BkX2FsdGVyYXRpb24mdGZ2PXNjY19md…

Project Title	CHC Puyallup Garage - 2018 WSEC	**Date**	Nov 02, 2022

U x A Calculation	**ALTERATION - FULLY CONDITIONED**			**COMPLIES**		
Opaque Envelope Assemblies		**PROPOSED**		**TARGET**		
Roof/Ceiling	**Assembly ID**	**Roof/Ceiling Assembly U-Factor**	**Net Area (SF)**	**U x A**	**Roof/Ceiling Assembly U-Factor**	**Net Area (SF)**	**U x A**
Insulation entirely above deck	S1	0.048	5,927.8	284.5	0.027	5,927.8 (1)	160.1
Insulation entirely above deck	S2	0.025	3,979.0	99.5	0.027	3,979.0 (1)	107.4
Walls	**Assembly ID**	**Wall Assembly U-factor**	**Net Area (SF)**	**U x A**	**Wall Assembly U-factor**	**Net Area (SF)**	**U x A**
Steel-framed - Commercial	W7	0.45	36.0	16.2	0.055	36.0 (1)	2.0
Steel-framed - Commercial	W5	0.046	190.0	8.7	0.055	190.0 (1)	10.5
Steel-framed - Commercial	W3	0.034	366.0	12.4	0.055	366.0 (1)	20.1
Mass (precast concrete) - Commercial	W2	0.046	649.0	29.9	0.104	649.0 (1)	67.5
Mass (precast concrete) - Commercial	W6	0.063	194.0	12.2	0.104	194.0 (1)	20.2
Mass (precast concrete) - Commercial	W1	0.046	1,095.0	50.4	0.104	1,095.0 (1)	113.9
Mass (concrete masonry) - Commercial	W4	0.045	364.0	16.4	0.104	364.0 (1)	37.9
Fenestration and Opaque Door Assemblies		**PROPOSED**			**TARGET**		
Opaque Doors	**Assembly ID**	**Door Assembly U-Factor**	**Rough Opening (SF)**	**U x A**	**Door Assembly U-Factor**	**Rough Opening (SF)**	**U x A**
Swinging	D2	0.37	69.0	25.5	0.37	69.0 (1)	25.5
Vertical Fenestration	**Assembly ID**	**Fenestration Assembly U-Factor**	**Rough Opening (SF)**	**U x A**	**Fenestration Assembly U-Factor**	**Rough Opening (SF)**	**U x A**
Fixed - Class AW or site built	F1	0.38	62.0	23.6	0.38	62.0 (1)	23.6
Operable - Class AW or site built	D1	0.4	48.0	19.2	0.40	48.0 (1)	19.2

	Proposed Area	**Proposed UxA**	**Target Area**	**Target UxA**
Project Totals	**12,980**	**599**	**12,980**	**608**

11/2/22, 11:25 AM https://www.waenergycodes.com/print_project_summary_form.php?k=Y29tYm9fdGZ2X3B0PXNjY19mdWxseV9jb25kaXRpb25lZCU3Q3BkX2FsdGVyYXRpb24mdGZ2PXNjY19md…

Project Title	CHC Puyallup Garage - 2018 WSEC	**Date**	Nov 02, 2022

SHGC x A Calculation	**ALTERATION - FULLY CONDITIONED**					**COMPLIES**		
Fenestration and Opaque Door Assemblies			**PROPOSED**			**TARGET**		
Vertical Fenestration - South/East/West Facing	**Assembly ID**	**PF**	**Fenestration SHGC**	**Rough Opening (SF)**	**SHGC x A**	**Fenestration SHGC**	**Rough Opening (SF)**	**SHGC x A**
Fixed - Class AW or site built	F1	PF < 0.2	0.38	62.0	23.6	0.38	62.0 (1)	23.6
Operable - Class AW or site built	D1	PF < 0.2	0.38	48.0	18.2	0.38	48.0 (1)	18.2

	Proposed Area	**Proposed SHGC x A**	**Target Area**	**Target SHGC x A**
Project Totals	**110**	**42**	**110**	**42**

PRCTI20221714

CHC Puyallup - Garage

111 W. Main
Puyallup WA 98371

Miller Hayashi Architects
118 North 35th St. Suite 200
Seattle, Washington 98103
Tel: 206 634 0177
Fax: 206 634 0167

ARCHITECT'S STAMP

5222 REGISTERED ARCHITECT BRUCE M. HAYASHI STATE OF WASHINGTON

CONSULTANT

CONSULTANT'S STAMP

BUILDING DEPARTMENT'S STAMP

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

PHASE

PERMIT SET

DATE

11/02/2022

REVISIONS

No.	Description	Date

SHEET TITLE

ENERGY COMPLIANCE FORMS

SHEET NO.

AA1.21

© MILLER HAYASHI ARCHITECTS 2213

RECORD OF SURVEY

ALTA/NSPS LAND TITLE SURVEY

LOCATED IN THE SE 1/4 OF THE NE 1/4 OF SECTION 28
TOWNSHIP 20 N, RANGE 4 E, WILLAMETTE MERIDIAN
CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

BOUNDARY EXHIBIT

PRCTI20221714

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

SURVEYOR'S NOTES

1. BASIS OF BEARING: ALONG THE CENTERLINE OF WEST MAINT, BETWEEN THE MONUMENTS SHOWN

HORIZONTAL DATUM, WASHINGTON SOUTH ZONE, NAD 83/2011, EPOCH 2010, UTILIZING WASHINGTON STATE REFERENCE NETWORK (WSRN)

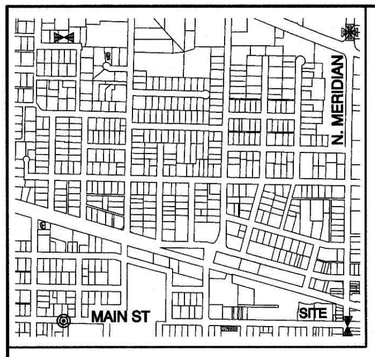
2. THE METHOD OF MONUMENT LOCATION WAS BY FIELD TRAVERSE, AND GPS OBSERVATION THE INSTRUMENTS USED WERE A TRIMBLE S-6 TOTAL STATION AND A TRIMBLE R-10-2 GNSS RECEIVER.

3. THIS SURVEY COMPLIES WITH ALL STANDARDS AND GUIDELINES OF THE SURVEY RECORDING ACT CHAPTER 58.09 RCW AND 332-130 WAC

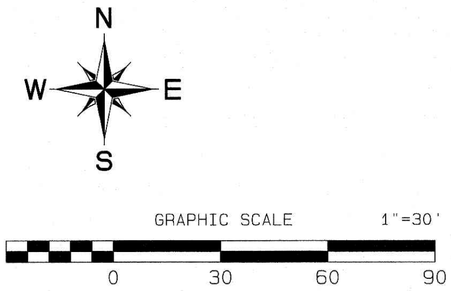
4. THIS SURVEY DOES NOT PURPORT TO SHOW ALL EASEMENTS OR UTILITIES EXCEPT AS SHOWN OR DISCLOSED BY CHICAGO TITLE NO. 211310-TC

5. ADDITIONAL REFERENCES:

BOUNDARY LINE ADJUSTMENT 200510285005

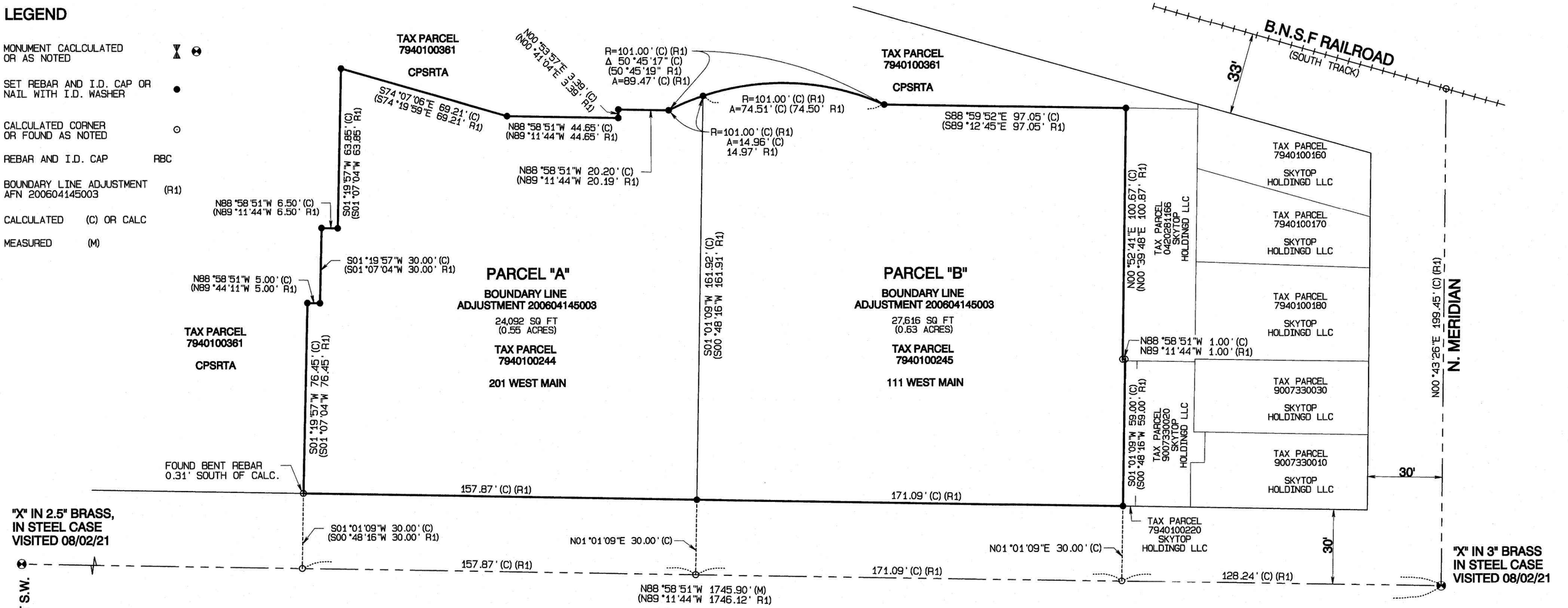


VICINITY MAP
1" = 1000'



LEGEND

MONUMENT CACLCULATED OR AS NOTED	⧗ ⊗
SET REBAR AND I.D. CAP OR NAIL WITH I.D. WASHER	●
CALCULATED CORNER OR FOUND AS NOTED	⊙
REBAR AND I.D. CAP	RBC
BOUNDARY LINE ADJUSTMENT AFN 200604145003	(R1)
CALCULATED	(C) OR CALC
MEASURED	(M)



OBSERVED EVIDENCE

1. THERE WAS NO EVIDENCE OF EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS WITHIN RECENT MONTHS.

2. THERE WAS NO EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS.

3. THERE WAS NO EVIDENCE THAT THE SITE WAS USED AS A SOLID WASTE DUMP, SUMP, OR SANITARY LANDFILL.

4. THERE WAS NO OBSERVABLE EVIDENCE THAT THE SITE WAS WITHIN 100 FEET OF A CEMETERY OR BURIAL GROUND.

5. THERE WERE NO ENCROACHMENTS EXCEPT AS SHOWN ON SHEET 2.

ZONING CBD-CORE

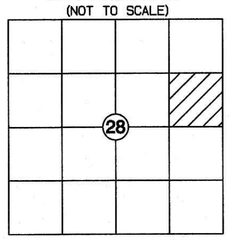
CENTRAL BUSINESS DISTRICT CORE

FEMA FLOOD ZONE "X"

AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN

INDEX LOCATION

S.28-T.20N-R.4E
(NOT TO SCALE)



ALTA/NSPS CERTIFICATION TO:

COMMUNITY HEALTH CARE A WASHINGTON NON-PROFIT CORPORATION AND CHICAGO TITLE COMPANY OF WASHINGTON

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARDS DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 7(a), 8, 9, 13, 15, AND 18, OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON AUGUST 8, 2021

DATE OF PLAT OR MAP 08/18/2021

8-18-21

THOMAS J. GALVIN — CERTIFICATE NO. 42686

AZURE | GREEN
CONSULTANTS
+feasibility +planning +engineering +surveying
409 East Pioneer, Suite A - Puyallup, WA 98372 *phone:* 253.770.3144 *fax:* 253.770.3142

AUDITOR'S CERTIFICATE

FILED FOR RECORD THIS _____ DAY OF _____

2021, AT THE REQUEST OF _____

RECORDERS FEE NO: _____

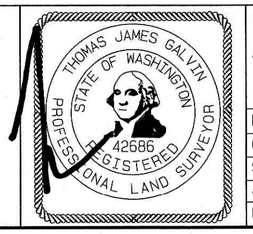
DEPUTY — COUNTY AUDITOR

SURVEYOR'S CERTIFICATE

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN AUGUST 2021 IN CONFORMANCE WITH THE REQUIREMENTS OF SURVEY RECORDING ACT AT THE REQUEST OF FOR: COMMUNITY HEALTH CARE

8-18-21

THOMAS J. GALVIN — CERTIFICATE NO. 42686



RECORD OF SURVEY
ALTA/NSPS

SHEET 1 OF 6

FOR: COMMUNITY HEALTH CARE

DRAWN BY:	TG
CHECKED:	JJ
SCALE:	1 INCH = 30 FEET
JOB NO:	3200
DATE:	AUGUST 18, 2021

RECORD OF SURVEY

ALTA/NSPS LAND TITLE SURVEY

LOCATED IN THE SE 1/4 OF THE NE 1/4 OF SECTION 28
TOWNSHIP 20 N, RANGE 4 E, WILLAMETTE MERIDIAN
CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

BUILDINGS / UTILITIES

PRCTI20221714

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

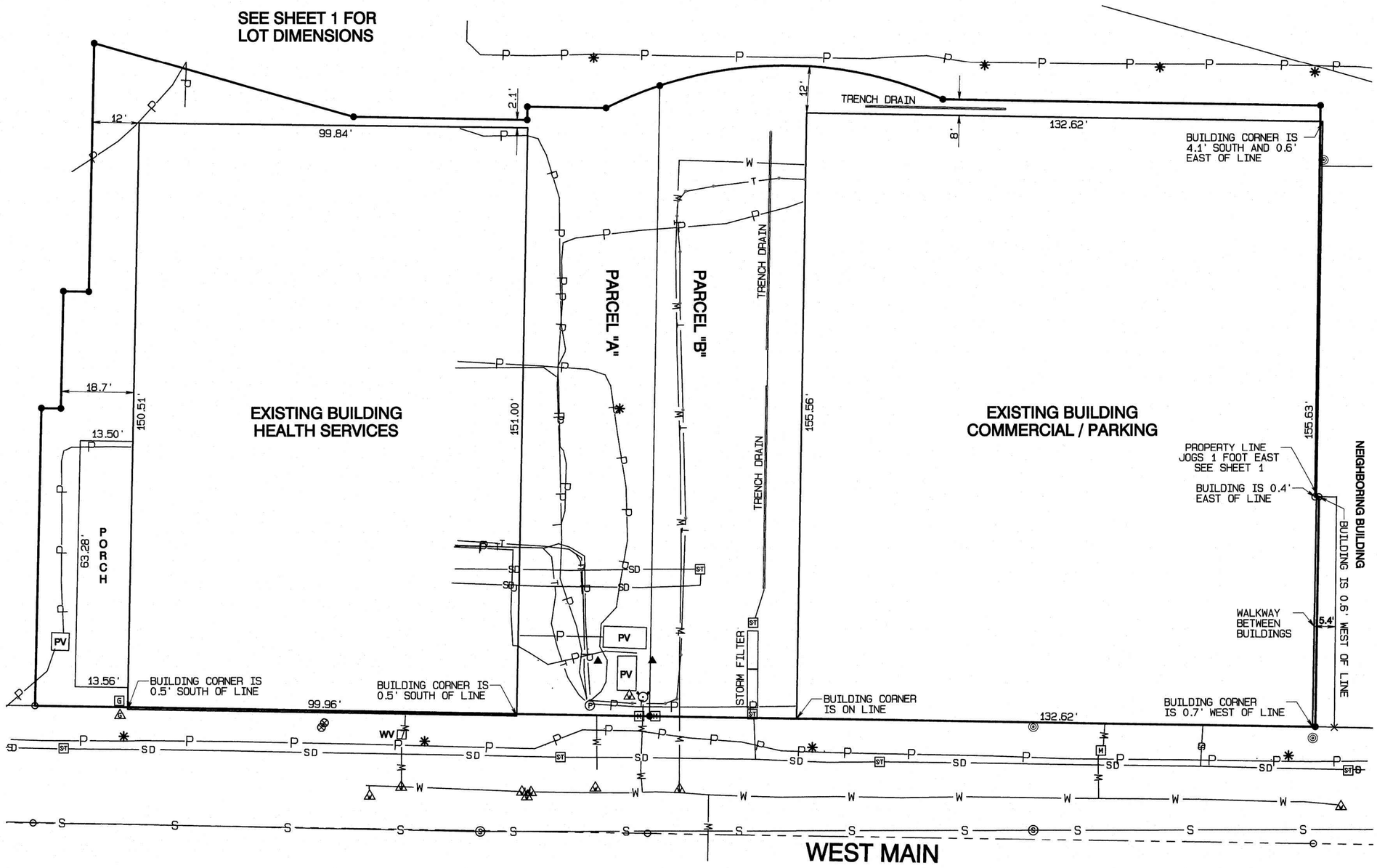
Building	Planning
Engineering	Public Works
Fire	Traffic

N
W E
S

GRAPHIC SCALE 1"=20'
0 20 40 60

LEGEND

- SET REBAR AND I.D. CAP OR NAIL WITH I.D. WASHER ●
- CALCULATED CORNER OR FOUND AS NOTED ⊙
- FIRE HYDRANT
- FIRE DEPARTMENT CONNECTION ▲
- CATCH BASIN ST
- STORM MANHOLE ST
- SEWER MANHOLE S
- SEWER CLEANOUT
- STORM CLEANOUT ⊗
- WATER METER M
- WATER VALVE
- POWER POLE P
- GUY WIRE
- LIGHT STANDARD ✱
- GAS VALVE
- GAS METER G
- POWER VAULT PV
- WATER VAULT WV
- SEWER LINE —S—
- STORM LINE —SD—
- POWER LINE —P—
- WATER LINE —W—
- GAS LINE —G—
- COMM. LINE —T—



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THOMAS JAMES GALVIN
STATE OF WASHINGTON
42686
REGISTERED
PROFESSIONAL LAND SURVEYOR

RECORD OF SURVEY
ALTA/NSPS

SHEET 2 OF 6

FOR: COMMUNITY HEALTH CARE

DRAWN BY:	TG
CHECKED:	JJ
SCALE:	1 INCH = 20 FEET
JOB NO:	3200
DATE:	AUGUST 18, 2021

RECORD OF SURVEY

ALTA/NSPS LAND TITLE SURVEY

LOCATED IN THE SE 1/4 OF THE NE 1/4 OF SECTION 28
TOWNSHIP 20 N, RANGE 4 E, WILLAMETTE MERIDIAN
CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

ADDITIONAL IMPROVEMENTS

PRCTI20221714

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

N W E S

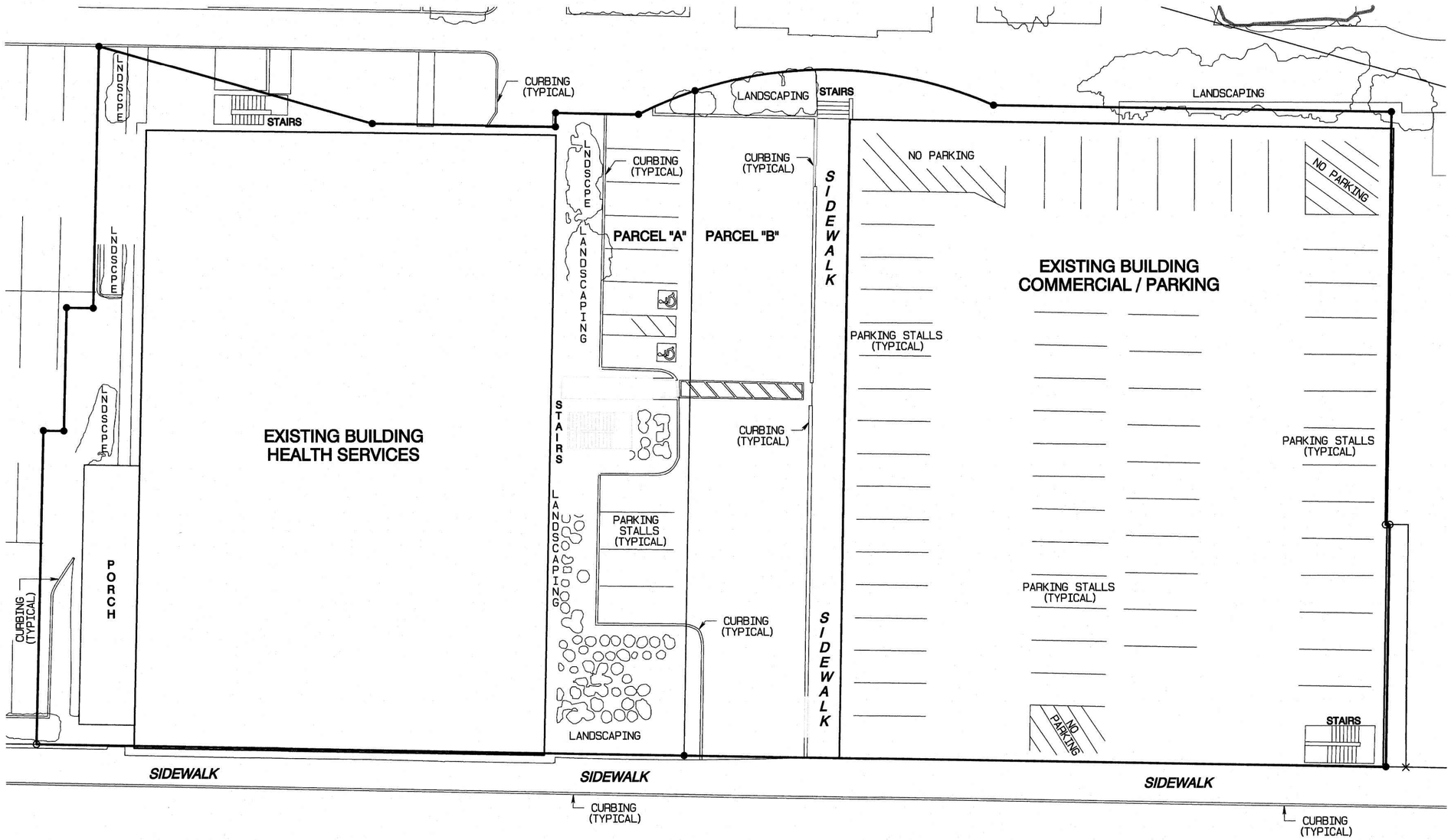
GRAPHIC SCALE 1"=20'
0 20 40 60

SEE SHEET 1 FOR LOT DIMENSIONS

LEGEND

SET REBAR AND I.D. CAP OR NAIL WITH I.D. WASHER ●

CALCULATED CORNER OR FOUND AS NOTED ○



SEE SHEET 1 FOR LOT DIMENSIONS

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8-18-21

THOMAS JAMES GALVIN — STATE OF WASHINGTON — 42686 — REGISTERED PROFESSIONAL LAND SURVEYOR

RECORD OF SURVEY
ALTA/NSPS

FOR: COMMUNITY HEALTH CARE

DRAWN BY:	TG
CHECKED:	JJ
SCALE:	1 INCH = 20 FEET
JOB NO:	3200
DATE:	AUGUST 18, 2021

RECORD OF SURVEY

ALTA/NSPS LAND TITLE SURVEY

LOCATED IN THE SE 1/4 OF THE NE 1/4 OF SECTION 28
TOWNSHIP 20 N, RANGE 4 E, WILLAMETTE MERIDIAN
CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

EASEMENTS

PRCTI20221714

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

N
W E
S

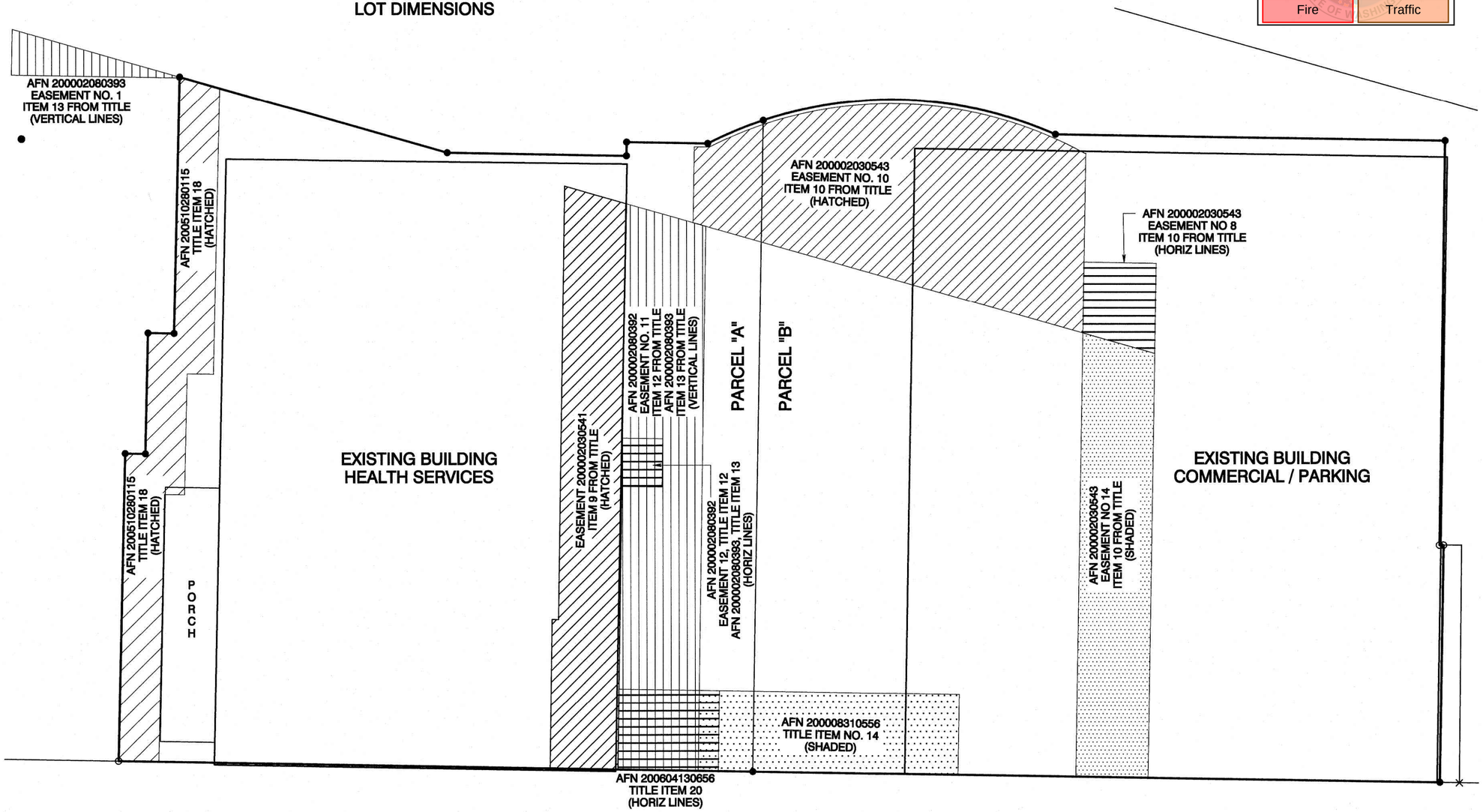
GRAPHIC SCALE 1"=20'
0 20 40 60

SEE SHEET 1 FOR
LOT DIMENSIONS

LEDGEND

SET REBAR AND I.D. CAP OR
NAIL WITH I.D. WASHER

CALCULATED CORNER
OR FOUND AS NOTED ⊙



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THOMAS JAMES GALVIN
STATE OF WASHINGTON
42686
REGISTERED
PROFESSIONAL LAND SURVEYOR

RECORD OF SURVEY
ALTA/NSPS

SHEET 4 OF 6

FOR: COMMUNITY HEALTH CARE

DRAWN BY:	TG
CHECKED:	JJ
SCALE:	1 INCH = 20 FEET
JOB NO:	3200
DATE:	AUGUST 18, 2021

RECORD OF SURVEY

ALTA/NSPS LAND TITLE SURVEY

LOCATED IN THE SE 1/4 OF THE NE 1/4 OF SECTION 28
TOWNSHIP 20 N, RANGE 4 E, WILLAMETTE MERIDIAN
CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

RECORD MATTERS

1. Easement to dig a ditch and maintain water pipes within 20 rods of either side of Northern Pacific Railway right of way granted to Puget Sound Manufacturing Co. and Ezra M. Meeker by deeds recorded in Book 7 of Deeds at Page 123, and in Book 22 of Deeds at Page 434, respectively, records of Pierce County, Washington.

AFFECTS PROPERTY, BLANKET IN NATURE OVER PROPERTY, NOT SHOWN

2. Covenants, conditions and restrictions but omitting any covenants or restrictions, if any, including but not limited to those based upon race, color, religion, sex, sexual orientation, familial status, marital status, disability, handicap, national origin, ancestry, source of income, gender, gender identity, gender expression, medical condition or genetic information, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law, as set forth in the document

Recording Date: December 30, 1943

AFFECTS PROPERTY, NOT LOCATEABLE, NOT SHOWN

Recording No.: 1336152

3. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Purpose: Ingress and egress

Recording Date: January 4, 1944

AFFECTS PROPERTY, BLANKET IN NATURE, NOT SHOWN

Recording No.: 1336370

Affecs: A portion of said premises as described in document

4. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:
Granted to: Hunt Brothers Packing Company, a Delaware corporation
Purpose: The right to operate and maintain an eight-inch water main or mains and the right to enter the land for maintenance of said water mains

Recording Date: January 6, 1944

AFFECTS PROPERTY, NOT LOCATEABLE, NOT SHOWN

Recording No.: 1336562

Affects: A portion of said premises as described in document
Note: The description contained in the above instrument is not sufficient to determine its exact location within the property herein described.

5. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:
Granted to: Puget Sound Power & Light Company
Purpose: Electric line including all necessary poles, towers, wires and fixtures

Recording Date: January 6, 1961

AFFECTS PROPERTY, BLANKET IN NATURE OVER PORTIONS OF THE PROPERTY, NOT SHOWN

Recording No.: 1911207

Affects: A portion of said premises as described in document
Note: The description contained in the above instrument is not sufficient to determine its exact location within the property herein described.

6. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:
Granted to: Puget Sound Power & Light Company
Purpose: Electric line, including all necessary poles, towers, wires and fixtures

Recording Date: January 6, 1961

AFFECTS PROPERTY, BLANKET IN NATURE, NOT SHOWN

Recording No.: 1911208

Affects: A portion of said premises as described in document

7. This item intentionally deleted

8. This item intentionally deleted

9. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:
Granted to: Central Puget Sound Regional Transit Authority, a regional transit authority

Purpose: Passenger access for ingress and egress

Recording Date: February 3, 2000

AFFECTS PROPERTY, SHOWN SHEET 4

Recording No.: 200002030541

Affects: A portion of said premises as described and delineated in document

10. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Purpose: Automobile parking, parking access and traffic circulation

Recording Date: February 3, 2000

AFFECTS PROPERTY, SHOWN SHEET 4

Recording No.: 200002030543

11. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:
Granted to: Central Puget Sound Regional Transit Authority
Purpose: Nuisance(s) including dust, traffic, visual impacts and noise impacts associated with the development, construction and operation of a Transit Center

Recording Date: February 3, 2000

AFFECTS PROPERTY, NUISANCE EASEMENT, NOT SURVEY RELATED, NOT SHOWN

Recording No.: 200002030544

Affects: A portion of said premises as described in document

12. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:
Purpose: Building setback, existing building encroachment, fire sprinkler facilities and pedestrian ingress and egress

Recording Date: February 8, 2000

AFFECTS PROPERTY, SHOWN SHEET 4

Recording No.: 200002080392

13. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:
Granted to: Central Puget Sound Regional Transit Authority, a regional transit authority
Purpose: Pedestrian access and public transit plaza

Recording Date: February 8, 2000

AFFECTS PROPERTY, SHOWN SHEET 4

Recording No.: 200002080393

Affects: A portion of said premises as described and delineated in document

14. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:
Granted to: Puget Sound Energy, Inc., a Washington corporation
Purpose: One or more utility systems for transmission, distribution and sale of electricity

Recording Date: August 31, 2000

AFFECTS PROPERTY, SHOWN SHEET 4

Recording No.: 200008310556

Affects: Portion(s) of said premises as described in document

Note: The description contained in the above instrument is not sufficient to determine its exact location within the property herein described.

15. Terms and conditions of easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Purpose: Access, roadways, utilities and parking

Recording Date: February 9, 2001

DOES NOT AFFECT PROPERTY, BLANKET IN NATURE OVER PORTIONS OF PROPERTRY, NOT SHOWN

Recording No.: 200102090858

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

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THOMAS JAMES GALVIN — STATE OF WASHINGTON — 42686 — REGISTERED PROFESSIONAL LAND SURVEYOR

RECORD OF SURVEY
ALTA/NSPS

SHEET 5 OF 6

FOR: COMMUNITY HEALTH CARE

DRAWN BY:	TG
CHECKED:	JJ
SCALE:	1 INCH = 20 FEET
JOB NO:	3200
DATE:	AUGUST 18, 2021

RECORD OF SURVEY

ALTA/NSPS LAND TITLE SURVEY

**LOCATED IN THE SE 1/4 OF THE NE 1/4 OF SECTION 28
TOWNSHIP 20 N, RANGE 4 E, WILLAMETTE MERIDIAN
CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON**

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

RECORD MATTERS

16. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:
Granted to: Puget Sound Energy, Inc., a Washington corporation
Purpose: One or more utility systems for transmission, distribution and sale of gas and electricity

Recording Date: December 29, 2004

Recording No.: 200412290989 *AFFECTS PROPERTY, EXACT LOCATION CANNOT BE DETERMINED, NOT SHOWN*

Affects: A portion of said premises as described in document

Note: The description contained in the above instrument is not sufficient to determine its exact location within the property herein described.

17. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:
Granted to: Central Puget Sound Regional Transit Authority, a regional transit authority

Purpose: Groundwater monitoring systems

Recording Date: October 28, 2005

Recording No.: 200510280114 *AFFECTS PROPERTY, BLANKET IN NATURE OVER PORTIONS OF THE PROPERTY, NOT SHOWN*

Affects: A portion of said premises as described in document

18. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:
Granted to: Central Puget Sound Regional Transit Authority, a regional transit authority

Purpose: Parking, landscaping and maintenance of improvements

Recording Date: October 28, 2005

Recording No.: 200510280115 *AFFECTS PROPERTY, SHOWN SHEET 4*

Affects: A portion of said premises as described and delineated in document

19. This item intentionally deleted

20. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:
Granted to: Puget Sound Energy, Inc., a Washington corporation

Purpose: One or more utility systems for transmission, distribution and sale of gas and electricity

Recording Date: April 13, 2006

Recording No.: 200604130656 *AFFECTS PROPERTY, SHOWN SHEET 4*

Affects: A portion of said premises as described in document

21. This item intentionally deleted

22. General and special taxes and charges, payable February 15, delinquent if first half unpaid on May 1, second half delinquent if unpaid on November 1 of the tax year (amounts do not include interest and penalties):
Year: 2021

Tax Account No.: 7940100244

Levy Code: 096

Assessed Value-Land: $655,700.00

Assessed Value-Improvements: $4,701,500.00 *AFFECTS PROPERTY, NOT SURVEY RELATED, NOT SHOWN*

General and Special Taxes:

Billed: $74,073.16

Paid: $37,036.58

Unpaid: $37,036.58

Affects: Parcel A

23. General and special taxes and charges, payable February 15, delinquent if first half unpaid on May 1, second half delinquent if unpaid on November 1 of the tax year (amounts do not include interest and penalties):

Year: .2021
Tax Account No.: 7940100245
Levy Code: 096
Assessed Value-Land: $751,600.00
Assessed Value-Improvements: $0.00 *AFFECTS PROPERTY, NOT SURVEY RELATED, NOT SHOWN*

General and Special Taxes:

Billed: $8,510.69
Paid: $4,255.34
Unpaid: .$4,255.35

Affects: Parcel B

24. A deed of trust to secure an indebtedness in the amount shown below

Amount: $4,387,500.00
Dated: March 30, 2016
Trustor/Grantor: Olson Investments LLC, a Delaware limited liability company
Trustee: First American Title Insurance Company
Beneficiary: Heritage Bank Recording Date: March 31, 2016

Recording No.: 201603310830 *AFFECTS PROPERTY, NOT SURVEY RELATED, NOT SHOWN*

25. Assignment of Rents:

Assigned to: Heritage Bank
Assigned by: Olson Investments LLC, a Delaware limited liability company
Recording Date: March 31, 2016

Recording No.: 201603310831 *AFFECTS PROPERTY, NOT SURVEY RELATED, NOT SHOWN*

26. A financing statement as follows:

Debtor: Olson Investments LLC
Secured Party: Heritage Bank
Recording Date: March 31, 2016
Recording No.: 201603311023 *AFFECTS PROPERTY, NOT SURVEY RELATED, NOT SHOWN*

A change to the above financing statement was filed:

Nature of Change: Continuation

Recording Date: January 27, 2021
Recording No.: 202101270762

27. This item intentionally deleted

28. This item intentionally deleted

29. Any additional unrecorded leaseholds or subleaseholds, right of vendors and holders of security interests on personal property installed upon the Land and rights of tenants or subtenants to remove trade fixtures at the expiration of the terms.

AFFECTS PROPERTY, NOT SURVEY RELATED, NOT SHOWN

AZURE | GREEN
CONSULTANTS
+feasibility +planning +engineering +surveying
409 East Pioneer, Suite A - Puyallup, WA 98372 *phone:* 253.770.3144 *fax:* 253.770.3142

12-31-21

THOMAS JAMES GALVIN
STATE OF WASHINGTON
42686
REGISTERED
PROFESSIONAL LAND SURVEYOR

RECORD OF SURVEY
ALTA/NSPS

SHEET 6 OF 6

FOR: COMMUNITY HEALTH CARE

DRAWN BY:	TG
CHECKED:	JJ
SCALE:	1 INCH = 20 FEET
JOB NO:	3200
DATE:	AUGUST 18, 2021

A PORTION OF THE SE 1/4 OF THE NE 1/4 OF SECTION 28, TOWNSHIP 20 N, RANGE 04 E, W.M.

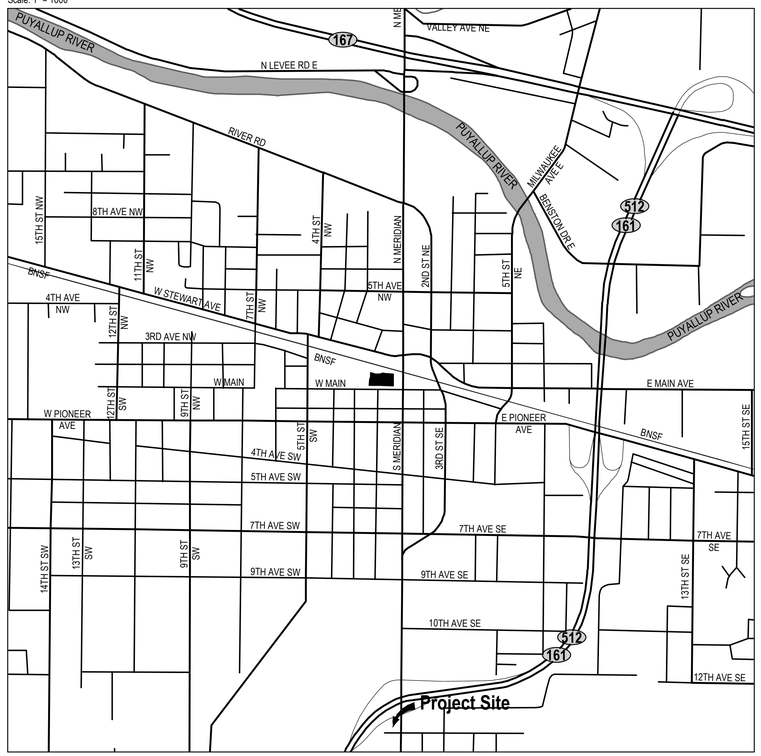
PRCTI20221714

CHC-PUYALLUP

201 WEST MAIN
111 WEST MAIN
PERMIT DRAWINGS
December 8, 2022

Vicinity Map

Scale: 1" = 1000'



BASIS OF BEARING:

THE MONUMENTED CENTERLINE OF WEST MAIN STREET BEARS NORTH 8911'44" W PER SURVEY AFN 9911085001.

VERTICAL DATUM:

CITY OF PUYALLUP DATUM
CITY BENCHMARKS:

#25
FOUND R/R SPIKE IN NW FACE OF POWER POLE LOCATED AT SE QUADRANT OF THE INTERSECTION OF 5TH AVENUE NW AND 4TH STREET NW.
ELEVATION 44.705

#194
FOUND R/R SPIKE IN W FACE OF POWER POLE LOCATED AT THE SE QUADRANT OF THE INTERSECTION OF WEST PIONEER AND 5TH STREET SW.
ELEVATION 40.365

LEGAL DESCRIPTIONS:

PARCEL A:

SECTION 28 TOWNSHIP 20 RANGE 04 QUARTER 14 STEWARTS J P 1ST ADD PARCEL `A` OF DBLR 2006-04-14-5003 DESC AS FOLL COM AT 1/4 SEC COR COM TO SEC 28 & 27 TH N 89 DEG 11 MIN 44 SEC W 457.20 FT ALG C/L OF MAIN ST TH N 00 DEG 48 MIN 16 SEC E 30 FT TO S LI
RTSQQ

PARCEL B:

SECTION 28 TOWNSHIP 20 RANGE 04 QUARTER 14 STEWARTS J P 1ST ADD PARCEL `B` OF DBLR 2006-04-14-5003 DESC AS FOLL COM AT 1/4 SEC COR COM TO SEC 28 & 27 TH N 89 DEG 11 MIN 44 SEC W 128.24 FT ALG C/L OF MAIN ST TH N 00 DEG 48 MIN 16 SEC E 30 FT TO S LI
RTSQQ

OWNER

COMMUNITY HEALTH CARE
1148 BROADWAY, SUITE 100
TACOMA, WA 98042
CONTACT: DEBBIE JACOBSON

ARCHITECT

MILLER HAYASHI ARCHITECTS PLLC
118 NORTH 35TH STREET SUITE 200
SEATTLE, WA 98103
CONTACT: ELLEN HAGEN

ENGINEER

COUGHLIN PORTER LUNDEEN
801 SECOND AVENUE, SUITE 900
SEATTLE, WA 98104
(206) 343-0460 CONTACT: KEITH KRUGER

SHEET INDEX

NUMBER	TITLE
C0.00	COVER SHEET
C0.10	NOTES
C1.00	DEMO AND TESC PLAN
C2.00	SITE PLAN
C2.10	ONSITE DETAILS
C2.11	ROW PAVING DETAILS
C2.12	UTILITY DETAILS

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.

COUGHLIN PORTER LUNDEEN

801 SECOND AVENUE, SUITE 900
SEATTLE, WA 98104

(206) 343-0460 www.cplinc.com

Stamp

KEITH N. KRUGER — STATE OF WASHINGTON — 39871 — REGISTERED PROFESSIONAL ENGINEER

12/8/2022

Revisions

1	Permit Corrections No. 1	12/8/2022

CHC PUYALLUP

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

201 & 111 WEST MAIN, PUYALLUP, WA

Drawing Title

COVER SHEET

Keymap

Date: 12-8-22
Job No: 22033
Drawn By: ENM
Checked By: KNK
Approved By: KNK
Sheet 01 of 07

Drawing No.

C0.00

Call Before You Dig. 8-1-1 or 1-800-424-5555 Underground Service (USA)

P:_2022\P22NW-016\(A0)\C0.00_COVER SHEET.dwg 12/8/2022 8:08 AM ENM

A PORTION OF THE SE 1/4 OF THE NE 1/4 OF SECTION 28, TOWNSHIP 20 N, RANGE 04 E, W.M.

General 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.

Roadway 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").
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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 REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT, SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
8. MONUMENTS SHALL BE INSTALLED AT ALL STREET INTERSECTIONS, AT ANGLE POINTS, AND POINTS OF CURVATURE IN EACH STREET. ALL BOUNDARY MONUMENTS MUST BE INSTALLED ACCORDING TO THE WASHINGTON STATE SUBDIVISION LAWS.
9. CURB AND GUTTER INSTALLATION SHALL CONFORM TO CITY STANDARD DETAIL 01.02.09.
10. SIDEWALKS AND DRIVEWAYS SHALL BE INSTALLED AS LOTS ARE BUILT ON. SIDEWALKS AND DRIVEWAYS SHALL CONFORM TO CITY STANDARD DETAIL 01.02.01, 01.02.02 AND 01.02.12. IF ASPHALT IS DAMAGED DURING REPLACEMENT OF CURB AND GUTTER, THE REPAIR SHALL CONFORM TO CITY STANDARD DETAIL 01.02.10.
11. THE SURROUNDING GROUND (5 FEET BEYOND THE BASE) FOR ALL POWER TRANSFORMERS, TELEPHONE/TV PEDESTALS, AND STREET LIGHT MAIN DISCONNECTS SHALL BE GRADED TO A POSITIVE 2 PERCENT SLOPE FROM TOP OF CURB.
12. SIGNAGE AND TRAFFIC CONTROL DEVICES ARE SAFETY ITEMS AND SHALL BE INSTALLED PRIOR TO ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY OR PLAT APPROVAL. HOWEVER, IN LARGER DEVELOPMENTS, EXACT LOCATIONS OF STOP AND YIELD SIGNS MAY NEED TO BE DETERMINED AFTER FULL BUILDOUT WHEN TRAFFIC PATTERNS HAVE BEEN ESTABLISHED. IN THIS CASE, CONTRACTOR SHALL PROVIDE INDICATED "CITY-PLACED" SIGNS, SIGNPOSTS, AND BRACKETS TO THE CITY SIGN SPECIALIST (253) 841-5471 FOR LATER INSTALLATION BY THE CITY. ALL SIGNAGE SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
13. PRIOR TO ANY SIGN OR STRIPING INSTALLATION OR REMOVAL THE CONTRACTOR SHALL CONTACT THE CITY SIGN SPECIALIST (253) 841-5471 TO ARRANGE FOR AN ON-SITE MEETING TO DISCUSS PLACEMENT AND UNIFORMITY.
14. NEW OR REVISED STOP SIGNS OR YIELD SIGNS SHALL BE ADVANCE WARNED USING THE PROCEDURE OUTLINED IN THE MUTCD. ADVANCE WARNING SIGNS AND FLAGS SHALL BE MAINTAINED BY INSTALLER FOR 30 DAYS AND THEN REMOVED.

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.
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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.
9. 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 PERMITTEE 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.
10. 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.
11. 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 PERMITTEE BUT MUST BE AUGMENTED WITH MULCHING, NETTING, OR OTHER TREATMENT APPROVED BY THE CITY.
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.

Construction Sequence:

1. HOLD A PRECONSTRUCTION MEETING WITH THE CITY AND OBTAIN REQUIRED PERMITS.
2. ESTABLISH CLEARING AND GRADING LIMITS.
3. CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCE.
4. CONSTRUCT PERIMETER DITCHES, SILT FENCES, AND OTHER EROSION CONTROL DEVICES AS SHOWN.
5. CONSTRUCT PROTECTION DEVICES FOR CRITICAL AREAS AND SIGNIFICANT TREES PROPOSED FOR RETENTION.
6. SCHEDULE AN EROSION CONTROL INSPECTION WITH THE CITY.
7. CONSTRUCT STORM DRAINAGE RETENTION/DETENTION (CONTROL AND STORAGE) FACILITIES. PROVIDE EMERGENCY OVERFLOW AS APPLICABLE.
8. ALL DITCHES AND SWALES AS SHOWN SHALL BE PROVIDED TO DIRECT ALL SURFACE WATER TO THE RETENTION/DETENTION AND SEDIMENTATION POND AS CLEARING AND GRADING PROGRESSES. NO UNCONTROLLED SURFACE WATER SHALL BE ALLOWED TO LEAVE THE SITE OR BE DISCHARGED TO A CRITICAL AREA AT ANY TIME DURING THE GRADING OPERATIONS.
9. CLEARLY STATE AT WHAT POINT GRADING ACTIVITIES CAN BEGIN, USUALLY ONLY AFTER ALL DRAINAGE AND EROSION CONTROL MEASURES ARE IN PLACE.
10. IDENTIFY EROSION CONTROL MEASURES WHICH REQUIRE REGULAR MAINTENANCE.

APPROVED

BY _____
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING

DATE _____

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.
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PRCTI20221714

COUGHLIN PORTER LUNDEEN

801 SECOND AVENUE, SUITE 900
SEATTLE, WA 98104

(206) 343-0460 www.cplinc.com

Stamp

KEITH N. KRUEGER — STATE OF WASHINGTON — 39871 — REGISTERED PROFESSIONAL ENGINEER

12/8/2022

Revisions

CHC PUYALLUP

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

201 & 111 MAIN, PUYALLUP, WA

Drawing Title

NOTES

Keymap

Date:	12-8-22
Job No:	22033
Drawn By:	ENM
Checked By:	KNK
Approved By:	KNK
Sheet	02 of 07

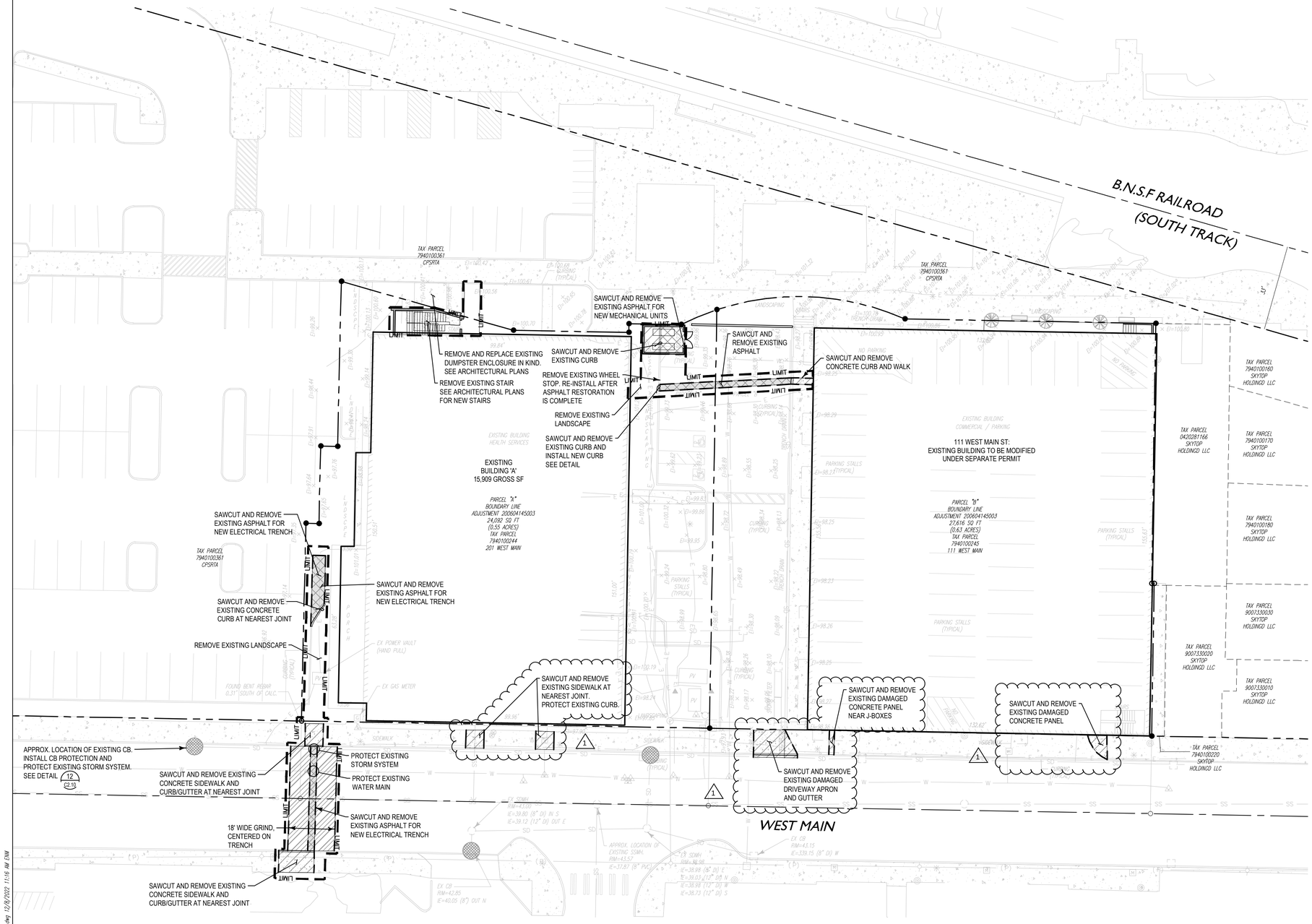
Drawing No.

C0.10

Call Before You Dig. 8-1-1 or 1-800-424-5555 Underground Service (USA)

P:_2022\P22WM-01A\CAD\03.00 COVER SHEET.dwg 12/8/2022 9:08 AM ENM

A PORTION OF THE SE 1/4 OF THE NE 1/4 OF SECTION 28, TOWNSHIP 20 N, RANGE 04 E, W.M.



SCALE 1"=20'

APPROVED

BY _____
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DEVELOPMENT ENGINEERING

DATE _____

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12/8/2022

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1	Permit Corrections No. 1	12/8/2022

CHC PUYALLUP

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

201 & 111 MAIN, PUYALLUP, WA

Drawing Title

DEMO AND TESC PLAN

Keymap

Date: 12-8-22
Job No: 22033
Drawn By: ENM
Checked By: KNK
Approved By: KNK
Sheet 03 of 07

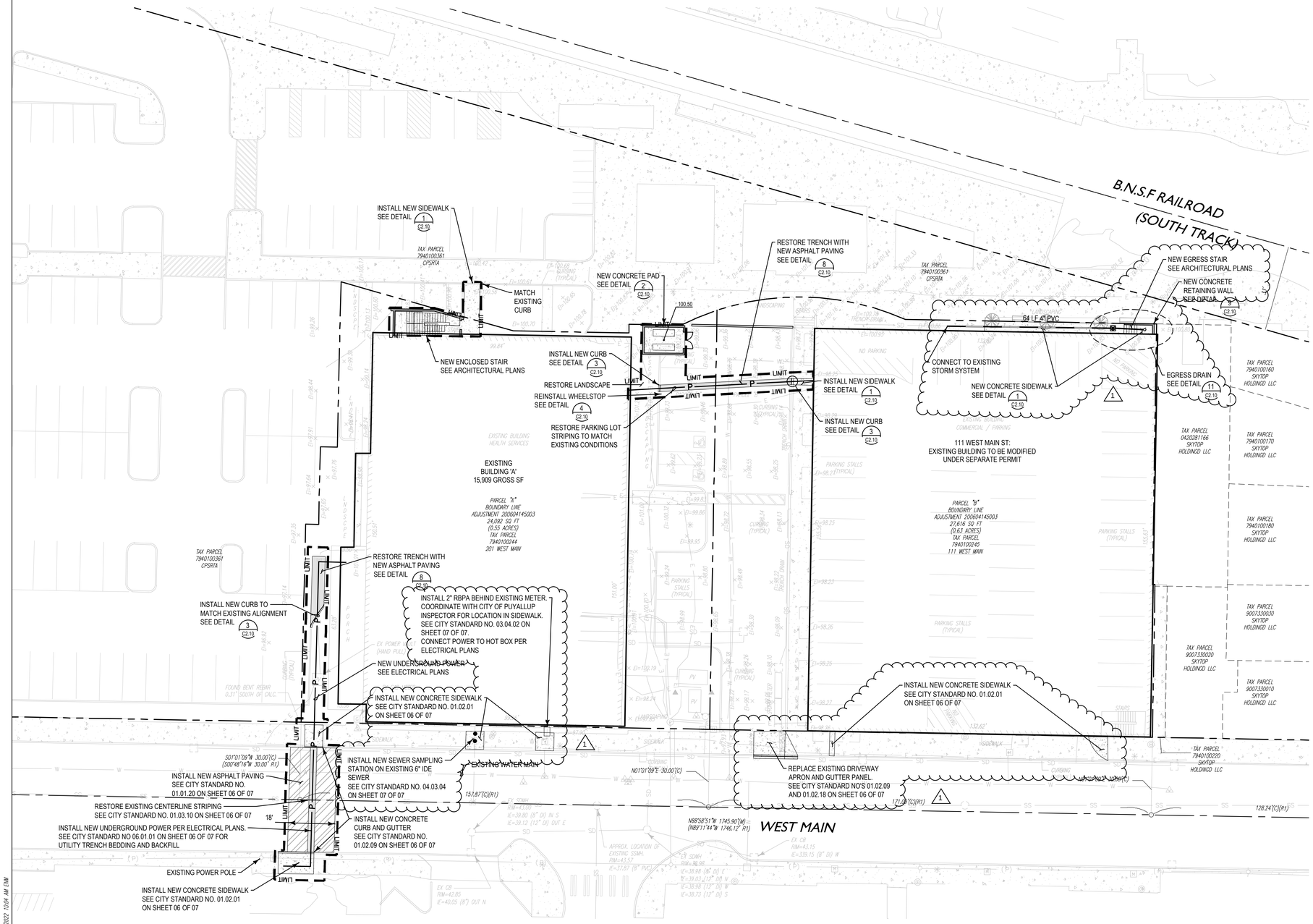
Drawing No.

C1.00

Call Before You Dig. 8-1-1 or 1-800-424-5555 Underground Service (USA)

P:_2022\P22NK-016\(24X36)\C1.00 DEMO AND TESC PLAN.dwg 12/8/2022 11:16 AM ENM

A PORTION OF THE SE 1/4 OF THE NE 1/4 OF SECTION 28, TOWNSHIP 20 N, RANGE 04 E, W.M.



0 10 20 40

SCALE 1"=20'

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.

PRCTI20221714

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COUGHLIN PORTER LUNDEEN

801 SECOND AVENUE, SUITE 900
SEATTLE, WA 98104

(206) 343-0460 www.cplinc.com

Stamp

KEITH N. KRUEGER — STATE OF WASHINGTON — 39871 — REGISTERED PROFESSIONAL ENGINEER

12/15/2022

Revisions

CHC PUYALLUP

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building | Planning | Engineering | Public Works | Fire | Traffic

201 & 111 MAIN, PUYALLUP, WA

Drawing Title

SITE PLAN

Keymap

Date:	12-8-22
Job No:	22033
Drawn By:	ENM
Checked By:	KNK
Approved By:	KNK
Sheet	04 of 07

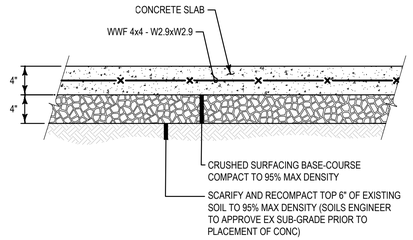
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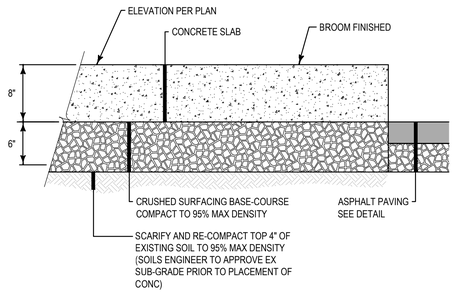
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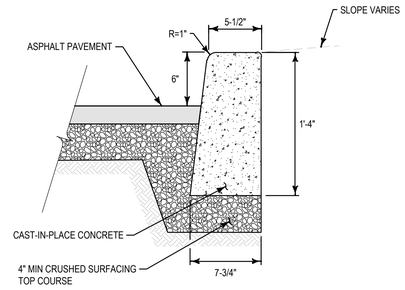
PRCTI20221714



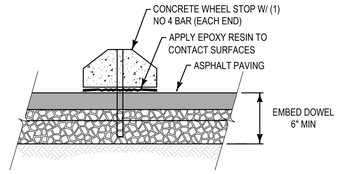
NTS
Concrete Sidewalk 1



NTS
Unreinforced Concrete Slab-on-grade 2

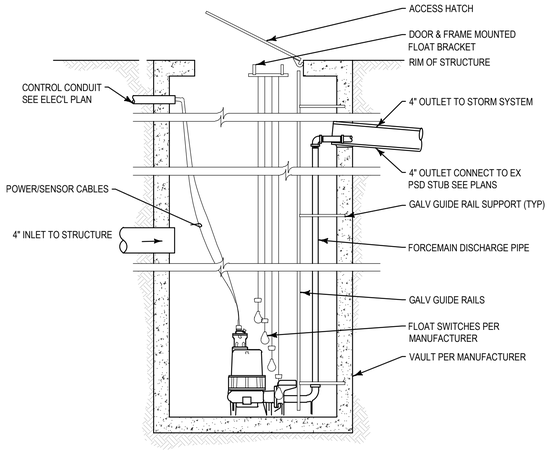


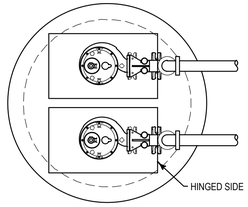
NTS
Concrete Vertical Curb 3



NTS
Port Style Wheel Stop 4

1





NOTES:

1. PUMPS SHALL BE A DESIGN/BID ITEM MEETING THE FOLLOWING REQUIREMENTS:

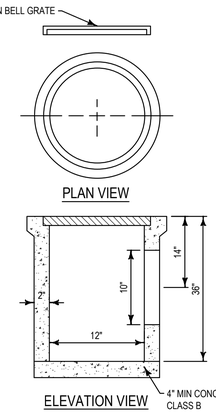
   QCONTINUOUS=5 GPM (0.91 CFS)
   MIN DESIGN HEAD = 10'
   PROVIDE DUPLEX PUMP SYSTEM

2. RAILS SYSTEM SHALL BE PER MANUFACTURER
3. CONTACT MANUFACTURER FOR CONTROL PANEL. CONTROL PANEL TO BE INCLUDE VISUAL AND AUDIBLE ALARMS. SEE ELEC'L PLANS FOR SUPPLY FEED.
4. PROVIDE A NON CORROSIVE CHECK VALVE AND A 'QUICK RELEASE' CONNECTOR FITTING ON THE PUMP

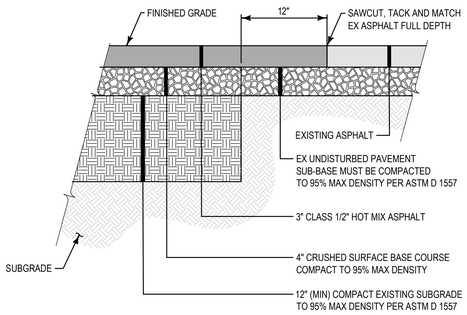
NTS
Pump Detail 6

NOTES:

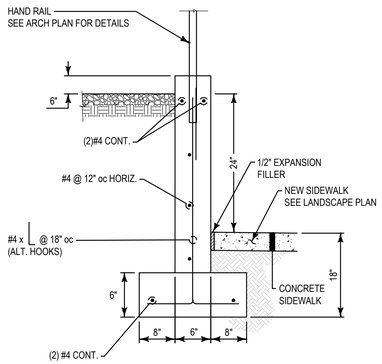
1. AREA INLETS TO BE CONSTRUCTED FROM CONCRETE PIPE, IN ACCORDANCE WITH ASTM C 14 UNLESS OTHERWISE SHOWN ON THE PLANS OR NOTED IN THE STANDARD SPECIFICATIONS.
2. CUTOUT HOLE SIZE IS EQUAL TO OUTLET PIPE SIZE DIAMETER PLUS AREA INLET WALL THICKNESS.
3. CONNECTION TO OUTLET PIPE TO BE MORTARED AND MADE FLUSH WITH INSIDE OF THE AREA INLET WALL.
4. CAST IRON BELL GRATE SHALL MEET THE STRENGTH REQUIREMENTS OF FEDERAL SPECIFICATION RR-F-621D. THE GRATE SHALL HAVE SLOTS (HOLES) THAT CONSTITUTE 50% OPEN AREA FOR DRAINAGE. INLET BELL SURFACE SHALL BE FINISHED TO ASSURE NON-ROCKING FIT WITH ANY COVER POSITION.



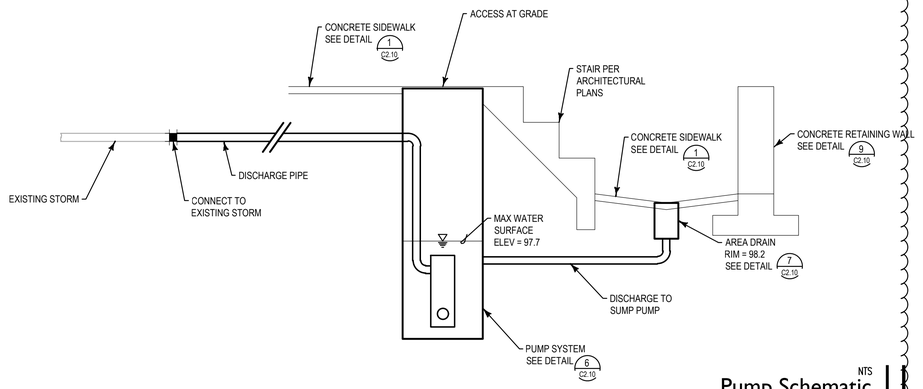
NTS
Area Drain 7



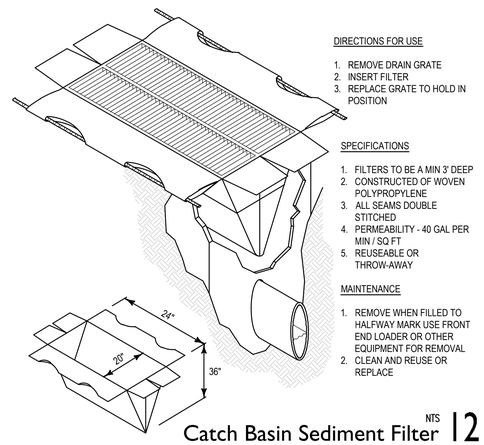
NTS
Standard Asphalt Paving Section 8



NTS
Retaining Wall Detail 9



NTS
Pump Schematic 11



DIRECTIONS FOR USE

1. REMOVE DRAIN GRATE
2. INSERT FILTER
3. REPLACE GRATE TO HOLD IN POSITION

SPECIFICATIONS

1. FILTERS TO BE A MIN 3' DEEP
2. CONSTRUCTED OF WOVEN POLYPROPYLENE
3. ALL SEAMS DOUBLE STITCHED
4. PERMEABILITY - 40 GAL PER MIN / SQ FT
5. REUSEABLE OR THROW-AWAY

MAINTENANCE

1. REMOVE WHEN FILLED TO HALFWAY MARK USE FRONT END LOADER OR OTHER EQUIPMENT FOR REMOVAL
2. CLEAN AND REUSE OR REPLACE

NTS
Catch Basin Sediment Filter 12

APPROVED

BY _____
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING

DATE _____

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COUGHLIN PORTER LUNDEEN

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SEATTLE, WA 98104

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KEITH N. KRUEGER — STATE OF WASHINGTON — 39871 — REGISTERED PROFESSIONAL ENGINEER

12/15/2022

Revisions

CHC PUYALLUP

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

201 & 111 MAIN, PUYALLUP, WA

Drawing Title

ONSITE DETAILS

Keymap

Date: 12-8-22
Job No: 22033
Drawn By: ENM
Checked By: KNK
Approved By: KNK
Sheet 05 of 07

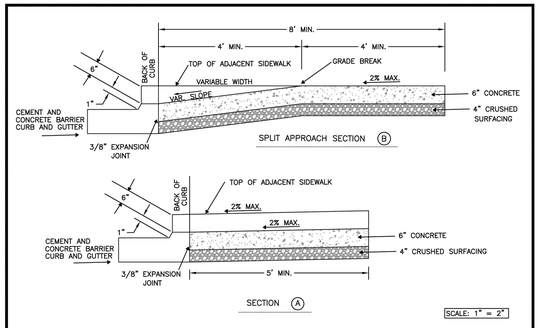
Drawing No.

C2.10

P:\...2022\P22NW-016\[D0]\C2.10 ONSITE DETAILS.dwg 12/15/2022 9:35 AM ENM

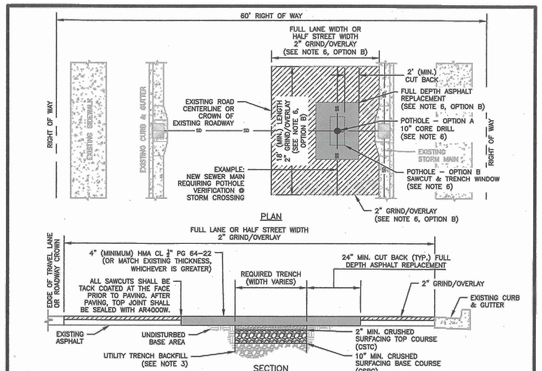
Call Before You Dig. 8-1-1 or 1-800-424-5555 Underground Service (USA)

A PORTION OF THE SE 1/4 OF THE NE 1/4 OF SECTION 28, TOWNSHIP 20 N, RANGE 04 E, W.M.



NOTES:
1. TO BE USED AS AN OPTION TO THE URBAN APPROACH WHEN GRADES ARE CREATING A SITE CONSTRAINT.
2. JOINTS IN PAVING SLAB SHALL NOT EXTEND INTO DRIVEWAY. ALL JOINTS SHALL BE CLEAN AND EDGED.
3. CONCRETE SHALL BE COMMERCIAL CONCRETE, 5.5 SACK MINIMUM, AASHTO GRADING 467 COARSE AGGREGATE, NO FLY ASH. + 30 FEET MINIMUM WIDTH FOR TWO WAY TRAFFIC. MAXIMUM WIDTH DEPENDANT ON VEHICLE VOLUME AND DESIGN VEHICLE TYPE.
4. DROP APPROACH RAMPS SHALL NOT EXCEED 8.3%, AS MEASURED WITH A SMART LEVEL, UNLESS RAMP LENGTH IS EXTENDED TO 15'.

CITY OF PUYALLUP DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	URBAN COMMERCIAL APPROACH ALTERNATE 2				
DRAWN BY: JIM ERWIN-SVOBODA	CHECKED BY: LINDA LIAN	APPROVED BY: COLLEEN HARRIS	REVISED BY: LINDA LIAN	CITY STANDARD
FILE NAME: F:\DWG\COMMON\STDS\CITY\2009\01_STR\01.02.01.18	DATE APPROVED: 07/01/2009	DATE REVISED: 03/21/11	SCALE: VARIES	01.02.18



NOTES:
1. BASE AND SUBBASE MATERIAL SHALL BE COMPACTED TO 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY.
2. ALL DEPTHS INDICATED ARE A MINIMUM COMPACTED DEPTH.
3. INITIAL BACKFILLING SHALL BE PERFORMED ONLY AFTER INSPECTION AND APPROVAL OF THE INSTALLED PIPE OR STRUCTURE. THE TRENCH BACKFILL MATERIAL SHALL BE IN ACCORDANCE WITH CITY STANDARD DETAIL NO. 06.01.01.
4. ALL BACKFILL FOR PIPE TRENCHES SHALL BE MECHANICALLY COMPACTED BY A POWER-OPERATED MECHANICAL TAMPER(S) AS SPECIFIED IN WSDOT STANDARD SPEC. 2-03.3 (14)C, COMPACTING EARTH EMBANKMENTS, METHOD C OF THE WSDOT STANDARD SPECIFICATIONS.
5. IF PAVING SURFACES ADJACENT TO THE TRENCH OPENING MAY BE DAMAGED WHERE TRENCHES ARE MADE PARALLEL TO THE STREET, OR WHERE A NUMBER OF CROSS TRENCHES ARE LAID IN CLOSE PROXIMITY TO ONE ANOTHER OR WHERE THE EQUIPMENT USED MAY CAUSE SUCH DAMAGE, THE CITY ENGINEER MAY REQUIRE A NEGOTIATED CONTRIBUTION FROM THE PERMITTEE FOR RESURFACING IN LIEU OF PATCHING.

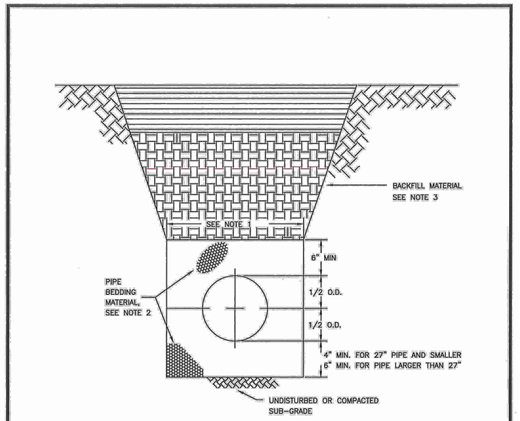
   IF THE TOTAL AREA OF THE PROPOSED PATCH OR PROBABLE DAMAGED AREA EXCEEDS 25 PERCENT OF THE TOTAL PAVEMENT SURFACING BETWEEN CURB FACES OR BETWEEN CONCRETE GUTTER EDGES IN ANY BLOCK, SUCH NEGOTIATIONS SHALL BE CARRIED ON AND CONTRIBUTIONS AGREED UPON PRIOR TO ISSUANCE OF A PERMIT. SUCH CONTRIBUTIONS SHALL BE IN ADDITION TO THE STANDARD PERMIT FEE.
6. POTHOLING FOR UTILITIES:

   OPTION A – UP TO A 10" DIAMETER CORE DRILL IS ALLOWED. CORE HOLES MADE DURING UTILITY POTHOLES SHALL BE BACKFILLED WITH CDF TO WITHIN 4" OF FINISHED GRADE. 4" OF HMA SHALL THEN BE PLACED AND COMPACTED, FLUSH WITH EXISTING GRADE.

   OPTION B – FOR POTHOLE WINDOWS LARGER THAN 10" IN DIAMETER OR TRENCHING COMPLETED IN EXISTING ROADWAY, THE CONTRACTOR SHALL MEET CITY STANDARD 08.01.01 FOR PIPE BEDDING AND BACKFILL REQUIREMENTS. PAVEMENT RESTORATION SHALL BE ACCOMPLISHED BY INSTALLING THE TRENCH PATCH, AS SHOWN HEREIN, AND THEN GRINDING/OVERLAYING TO A MINIMUM DEPTH OF 2". THE LIMITS OF THE REQUIRED GRIND/OVERLAY SHALL BE TO THE NEAREST LANE LINE, OR HALF STREET, AND SHALL BE A MINIMUM OF 18 FEET LONG (LONGITUDINALLY ALONG ROADWAY) CENTERED AT LOCATION OF PATCH. NOTE: IF EXISTING ASPHALT THICKNESS IS LESS THAN 3", FULL DEPTH PAVEMENT REPLACEMENT, IN LIEU OF GRIND/OVERLAY, TO MEET A MINIMUM ASPHALT THICKNESS OF 4" WILL BE REQUIRED.

   WHERE LOCATION OF TRENCH OR POTHOLE WINDOW INTERSECTS ROAD CENTERLINE, A MINIMUM GRIND AND OVERLAY OF ONE FULL LANE WIDTH (12') IS REQUIRED CENTERED ON ROADWAY. NO LONGITUDINAL JOINTS WILL BE ALLOWED IN THE WHEEL PATH.
7. ALL MANHOLE FRAMES, VALVE FRAMES AND MONUMENT COVERS SHALL BE INSTALLED AFTER PLACEMENT OF ASPHALT. IF MORE THAN ONE LIFT IS NECESSARY, FRAMES AND LIDS WILL BE ADJUSTED TO FINISH GRADE AT FIRST LIFT AS DIRECTED BY THE CITY.

CITY OF PUYALLUP OFFICE of THE CITY ENGINEER	APPROVED FOR PUBLICATION DATE/ADMIN: 2/15/18	STREET PATCH (NOT TO SCALE)	CITY STANDARD 01.01.20
FILE NAME: F:\DWG\COMMON\STDS\CITY\2009\01_STR\01.01.20			



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 ERWIN-SVOBODA	CHECKED BY: TED HILL	APPROVED BY: MARK PALMER	APPROVED BY: W.STOCKHAM	DATE REVISED: 06/21/11	CITY STANDARD
FILE NAME: F:\DWG\COMMON\STDS\CITY\STD\06_MISC\06.01.01.01	DATE APPROVED: 03/06/2009	SCALE: 1:1	DATE REVISED: XX/XX/XX	06.01.01	

APPROVED

BY _____
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING

DATE _____

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.
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PRCTI20221714

COUGHLIN PORTER LUNDEEN
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SEATTLE, WA 98104
(206) 343-0460 www.cplinc.com

Stamp

KEITH N. KRIEGER, STATE OF WASHINGTON, 39871, REGISTERED PROFESSIONAL ENGINEER
12/8/2022

Revisions

1	Permit Corrections No. 1	12/8/2022

CHC PUYALLUP

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning | Engineering | Public Works | Fire | Traffic
201 & 111 MAIN, PUYALLUP, WA

Drawing Title

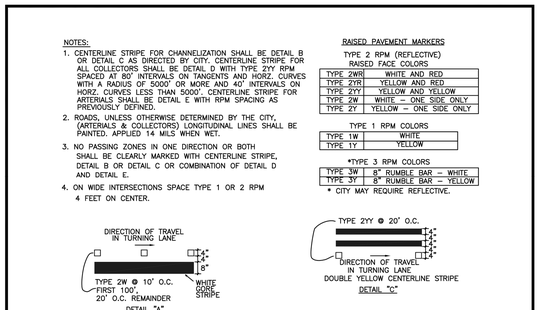
ROW PAVING DETAILS

Keymap

Date: 12-8-22
Job No: 22033
Drawn By: ENM
Checked By: KNK
Approved By: KNK
Sheet 06 of 07

Drawing No.

C2.11



NOTES:
1. CENTERLINE STRIPE FOR CHANNELIZATION SHALL BE DETAIL B OR DETAIL C AS DIRECTED BY CITY. CENTERLINE STRIPE FOR ALL COLLECTORS SHALL BE DETAIL D WITH TYPE 2YY RPM SPACED AT 80' INTERVALS ON TANGENTS AND HORZ. CURVES WITH A RADIUS OF 5000' OR MORE AND 40' INTERVALS ON HORZ. CURVES LESS THAN 5000'. CENTERLINE STRIPE FOR ARTERIALS SHALL BE DETAIL E WITH RPM SPACING AS PREVIOUSLY DEFINED.
2. ROADS, UNLESS OTHERWISE DETERMINED BY THE CITY, (ARTERIALS & COLLECTORS) LONGITUDINAL LINES SHALL BE PAINTED. APPLIED 14 MILS WHEN WET.
3. NO PASSING ZONES IN ONE DIRECTION OR BOTH SHALL BE CLEARLY MARKED WITH CENTERLINE STRIPE, DETAIL B OR DETAIL C OR COMBINATION OF DETAIL D AND DETAIL E.
4. ON WIDE INTERSECTIONS SPACE TYPE 1 OR 2 RPM 4 FEET ON CENTER.

RAISED PAVEMENT MARKERS

TYPE 2 RPM (REFLECTIVE) RAISED FACE COLORS

TYPE 2WR	WHITE AND RED
TYPE 2YR	YELLOW AND RED
TYPE 2YY	YELLOW AND YELLOW
TYPE 2W	WHITE – ONE SIDE ONLY
TYPE 2Y	YELLOW – ONE SIDE ONLY

TYPE 1 RPM COLORS

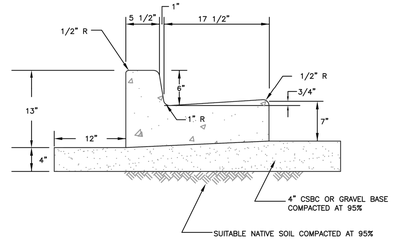
TYPE 1W	WHITE
TYPE 1Y	YELLOW

*TYPE 3 RPM COLORS

TYPE 3W	8" RUMBLE BAR – WHITE
TYPE 3Y	8" RUMBLE BAR – YELLOW

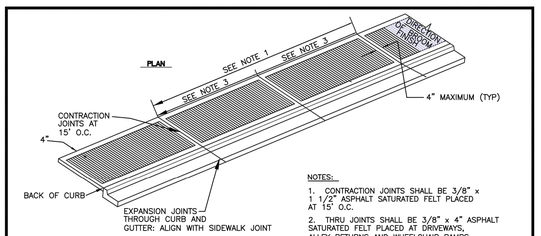
* CITY MAY REQUIRE REFLECTIVE.

CITY OF PUYALLUP DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	PAVEMENT MARKING DETAILS				
DRAWN BY: JIM ERWIN-SVOBODA	CHECKED BY: LINDA LIAN	APPROVED BY: COLLEEN HARRIS	REVISED BY: XXXX	CITY STANDARD
FILE NAME: F:\DWG\COMMON\STDS\CITY\2009\01_STR\01.03.10	DATE APPROVED: 07/01/2009	DATE REVISED: XX/XX/XX	SCALE: VARIES	01.03.10



NOTES:
1. CONTRACTION JOINTS SHALL BE 3/8" x 2 1/4" ASPHALT SATURATED FELT PLACED IN ALL EXPOSED SURFACES OF CURB AND GUTTER AND SPACED AT 15' MAX. 10' MIN. O.C.
2. THRU JOINTS SHALL BE 3/8" ASPHALT SATURATED FELT PLACED AT POINTS OF TANGENCY ON CURVES, AT CATCH BASINS, AND AT EDGES OF ALLEY AND DRIVEWAYS. THE MAXIMUM DISTANCE BETWEEN THRU JOINTS SHALL BE 100'.
3. CONCRETE SHALL BE CLASS 3000 COMMERCIAL CONCRETE, 5.5 SACK MINIMUM, AASHTO GRADING 467 COARSE AGGREGATE, NO FLY ASH.
4. FORMS SHALL BE STEEL UNLESS PRIOR APPROVAL IS GIVEN BY THE CITY ENGINEER. FORMS SHALL BE SET TRUE TO LINE AND GRADE AND SECURELY STAKED PRIOR TO CONCRETE PLACEMENT. FULL DEPTH DIVISION PLATES ARE ONLY TO BE USED WHERE THRU JOINTS ARE TO BE PLACED.
5. THE 1" RADIUS ON THE UPPER FACE OF THE CURB MAY BE FORMED BY AN EDGER TOOL OR BUILT INTO THE FACE FORM. THE 1" RADIUS AT THE BOTTOM FACE OF THE CURB SHALL BE FORMED BY THE FACE FORM.

CITY OF PUYALLUP DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	CURB AND GUTTER				
DRAWN BY: JIM ERWIN-SVOBODA	CHECKED BY: LINDA LIAN	APPROVED BY: COLLEEN HARRIS	REVISED BY: Linda Lian	CITY STANDARD
FILE NAME: F:\DWG\COMMON\STDS\CITY\2009\01_STR\01.02.09.DWG	DATE APPROVED: 07/01/2009	DATE REVISED: 05/23/12	SCALE: 1:1	01.02.09



MINIMUM SIDEWALK WIDTHS
- 5'(RS ZONES) SINGLE FAMILY RESIDENTIAL AREAS (DETACHED DWELLINGS)
- 8'(RS ZONES) COMMERCIAL USES, WHEN REQUIRED BY DEVELOPMENT SERVICES MANAGER
- 8'(RM ZONES) MEDIUM AND HIGH DENSITY MULTI-FAMILY RESIDENTIAL AREAS
- 8'(ML ZONES) INDUSTRIAL AREAS
- 8'(CG, CBD ZONES) COMMERCIAL AREAS
- 8'(PF ZONES) PUBLIC FACILITIES AREAS
- 8'(F ZONES) FAIR AREAS
- * MATCH GREATEST WIDTH FOR ANY ADJACENT ZONE

NOTES:
1. CONTRACTION JOINTS SHALL BE 3/8" x 1 1/2" ASPHALT SATURATED FELT PLACED AT 15' O.C.
2. THRU JOINTS SHALL BE 3/8" x 4" ASPHALT SATURATED FELT PLACED AT DRIVEWAYS, ALLEY RETURNS AND WHEELCHAIR RAMPS AND RADII.
3. V-GROOVEMARKS SHALL BE 1/8" DEEP AND 1/4" WIDE PLACED AT 5' O.C. FOR 5' SIDEWALKS AND 7.5' O.C. FOR 8' SIDEWALKS.
4. ALL JOINTS SHALL BE CLEAN AND EDGED TO A 1/4" RADIUS. JOINTS SHALL BE FLUSH WITH THE FINISHED SURFACE.
5. ALL UTILITY POLES AND STREET SIGN POSTS IN SIDEWALK AREA NOT REQUIRED TO BE RELOCATED SHALL HAVE A SQUARE SECTION OF CONCRETE SURROUNDED BY 3/8" EXPANSION JOINT MATERIAL AROUND THE POLE. THE JOINT SHALL BE NO CLOSER THAN 6" TO ANY SIDE OF THE POLE.
6. FORMS SHALL BE EITHER WOOD OR STEEL AND SHALL MEET ALL REQUIREMENTS OF THESE SPECIFICATIONS.
7. CONCRETE SHALL BE CLASS 3000 COMMERCIAL CONCRETE, 5.5 SACK MINIMUM, AASHTO GRADING 467 COARSE AGGREGATE, NO FLY ASH.
8. SIDEWALK MINIMUM UNOBSTRUCTED CLEAR WIDTH SHALL BE 4', EXCLUSIVE OF THE WIDTH OF THE CURB.
9. GRATINGS, ACCESS COVERS, JUNCTION BOXES, CABLE VAULTS, PULL BOXES AND OTHER APPURTENANCES WITHIN THE SIDEWALK (RIGHT-OF-WAY) MUST HAVE SLIP RESISTANT SURFACE AND MATCH THE GRADE OF THE SIDEWALK.
10. CURB RAMPS SHALL BE CONSTRUCTED AT INTERSECTIONS USING A DESIGN PREPARED BY A LICENSED PROFESSIONAL ENGINEER. WHEN A RAMP DESIGN FAILS TO MEET ALL APPLICABLE DESIGN STANDARDS, THE ENGINEER SHALL DOCUMENT WHY THE PROPOSED RAMP ACHIEVES DESIGN STANDARDS TO THE MAXIMUM EXTENT FEASIBLE.

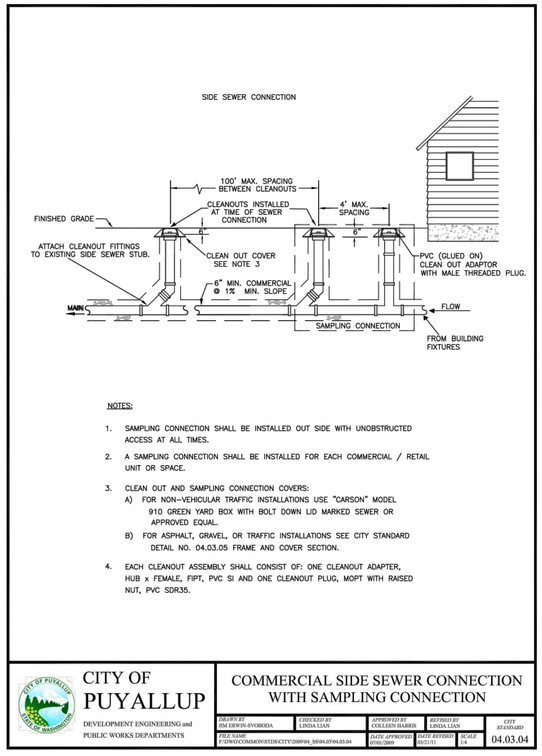
CITY OF PUYALLUP DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	SIDEWALK WITHOUT PLANTING STRIP				
DRAWN BY: JIM ERWIN-SVOBODA	CHECKED BY: LINDA LIAN	APPROVED BY: COLLEEN HARRIS	REVISED BY: LINDA LIAN	CITY STANDARD
FILE NAME: F:\DWG\COMMON\STDS\CITY\2009\01_STR\01.02.01.01	DATE APPROVED: 07/01/2009	DATE REVISED: 03/21/11	SCALE: 1:8	01.02.01

Call Before You Dig. 8-1-1 or 1-800-424-5555 Underground Service (USA)

P:_2022\P22XNW-016\CAD\C2.11 ROW PAVING DETAILS.dwg 12/7/2022 12:21 PM ENM

A PORTION OF THE SE 1/4 OF THE NE 1/4 OF SECTION 28, TOWNSHIP 20 N, RANGE 04 E, W.M.

PRCTI20221714



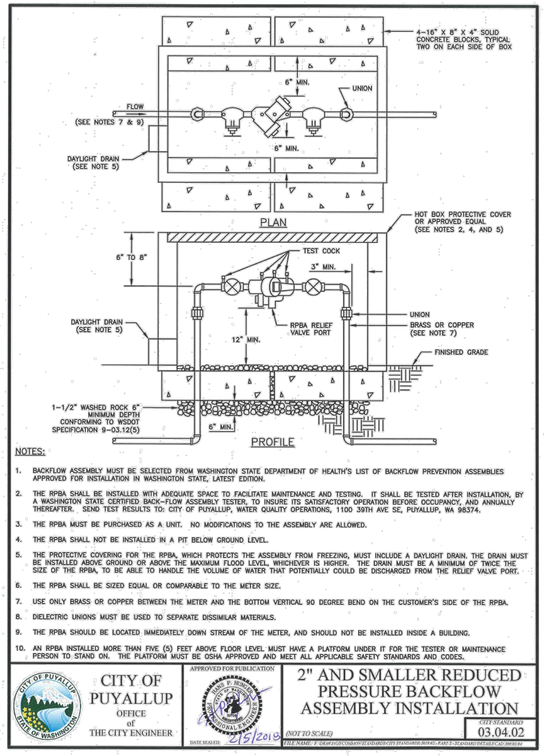
NOTES:

1. SAMPLING CONNECTION SHALL BE INSTALLED OUT SIDE WITH UNOBSTRUCTED ACCESS AT ALL TIMES.
2. A SAMPLING CONNECTION SHALL BE INSTALLED FOR EACH COMMERCIAL / RETAIL UNIT OR SPACE.
3. CLEAN OUT AND SAMPLING CONNECTION COVERS:
   A) FOR NON-VEHICULAR TRAFFIC INSTALLATIONS USE "CARSON" MODEL 910 GREEN YARD BOX WITH BOLT DOWN LID MARKED SEWER OR APPROVED EQUAL.
   B) FOR ASPHALT, GRAVEL, OR TRAFFIC INSTALLATIONS SEE CITY STANDARD DETAIL NO. 04.03.05 FRAME AND COVER SECTION.
4. EACH CLEANOUT ASSEMBLY SHALL CONSIST OF: ONE CLEANOUT ADAPTER, HUB x FEMALE, FIPT, PVC SI AND ONE CLEANOUT PLUG, MOPT WITH RAISED NUT, PVC SDR35.

CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

COMMERCIAL SIDE SEWER CONNECTION WITH SAMPLING CONNECTION

DRAWN BY	CHECKED BY	APPROVED BY	REVISED BY	CITY STANDARD
JIM EBWIN-SVOBODA	LINDA LIAN	COLLEEN HARRIS	LINDA LIAN	04.03.04
FILE NAME: P:\PROJ\COMMON\STD\CITY\200904_SI\04.03\04.03.04		DATE APPROVED: 07/01/2009	DATE REVISED: 05/21/11	SCALE: 1:1



NOTES:

1. BACKFLOW ASSEMBLY MUST BE SELECTED FROM WASHINGTON STATE DEPARTMENT OF HEALTH'S LIST OF BACKFLOW PREVENTION ASSEMBLIES APPROVED FOR INSTALLATION IN WASHINGTON STATE, LATEST EDITION.
2. THE RPBA SHALL BE INSTALLED WITH ADEQUATE SPACE TO FACILITATE MAINTENANCE AND TESTING. IT SHALL BE TESTED AFTER INSTALLATION, BY A WASHINGTON STATE CERTIFIED BACK-FLOW ASSEMBLY TESTER, TO INSURE ITS SATISFACTORY OPERATION BEFORE OCCUPANCY, AND ANNUALLY THEREAFTER. SEND TEST RESULTS TO: CITY OF PUYALLUP, WATER QUALITY OPERATIONS, 1100 39TH AVE SE, PUYALLUP, WA 98374.
3. THE RPBA MUST BE PURCHASED AS A UNIT. NO MODIFICATIONS TO THE ASSEMBLY ARE ALLOWED.
4. THE RPBA SHALL NOT BE INSTALLED IN A PIT BELOW GROUND LEVEL.
5. THE PROTECTIVE COVERING FOR THE RPBA, WHICH PROTECTS THE ASSEMBLY FROM FREEZING, MUST INCLUDE A DAYLIGHT DRAIN. THE DRAIN MUST BE INSTALLED ABOVE GROUND OR ABOVE THE MAXIMUM FLOOD LEVEL, WHICHEVER IS HIGHER. THE DRAIN MUST BE A MINIMUM OF TWICE THE SIZE OF THE RPBA, TO BE ABLE TO HANDLE THE VOLUME OF WATER THAT POTENTIALLY COULD BE DISCHARGED FROM THE RELIEF VALVE PORT.
6. THE RPBA SHALL BE SIZED EQUAL OR COMPARABLE TO THE METER SIZE.
7. USE ONLY BRASS OR COPPER BETWEEN THE METER AND THE BOTTOM VERTICAL 90 DEGREE BEND ON THE CUSTOMER'S SIDE OF THE RPBA.
8. DIELECTRIC UNIONS MUST BE USED TO SEPARATE DISSIMILAR MATERIALS.
9. THE RPBA SHOULD BE LOCATED IMMEDIATELY DOWN STREAM OF THE METER, AND SHOULD NOT BE INSTALLED INSIDE A BUILDING.
10. AN RPBA INSTALLED MORE THAN FIVE (5) FEET ABOVE FLOOR LEVEL MUST HAVE A PLATFORM UNDER IT FOR THE TESTER OR MAINTENANCE PERSON TO STAND ON. THE PLATFORM MUST BE OSHA APPROVED AND MEET ALL APPLICABLE SAFETY STANDARDS AND CODES.

CITY OF PUYALLUP
OFFICE of THE CITY ENGINEER

APPROVED FOR PUBLICATION
DATE MAILED: 12/5/2012

2" AND SMALLER REDUCED PRESSURE BACKFLOW ASSEMBLY INSTALLATION

CITY STANDARD: 03.04.02

(NOT TO SCALE)

FILE NAME: P:\PROJ\COMMON\STD\CITY\200904_SI\04.03\04.03.02_RPBA.DWG

1

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.

COUGHLIN PORTER LUNDEEN

801 SECOND AVENUE, SUITE 900
SEATTLE, WA 98104

(206) 343-0460 www.cplinc.com

Stamp

KEITH N. KRUEGER — STATE OF WASHINGTON — 39871 — REGISTERED PROFESSIONAL ENGINEER

12/8/2022

Revisions

1	Permit Corrections No. 1	12/8/2022

CHC PUYALLUP

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

201 & 111 MAIN, PUYALLUP, WA

Drawing Title

UTILITY DETAILS

Keymap

Date: 12-8-22
Job No: 22033
Drawn By: ___
Checked By: ___
Approved By: ___
Sheet 07 of 07

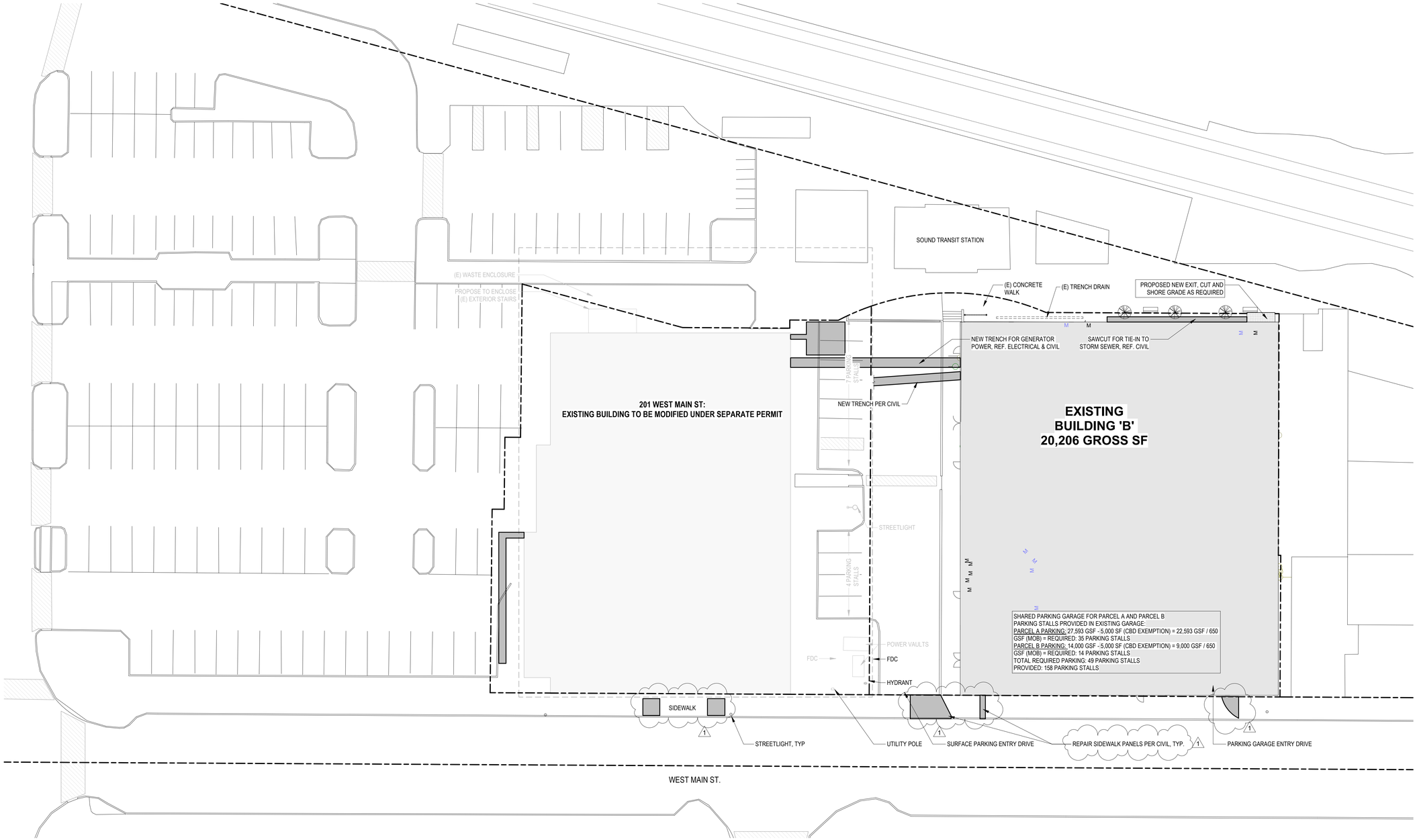
Drawing No.

C2.12

Call Before You Dig. 8-1-1 or 1-800-424-5555 Underground Service (USA)

P:_2022\22033NW-016\CAD\C2.12 UTILITY DETAILS.dwg 12/8/2022 11:25 AM DW

PRCTI20221714



1 **Demo Site Plan**
1" = 20'-0"

CHC Puyallup - Garage

111 W. Main
Puyallup WA 98371

Miller Hayashi Architects
118 North 35th St. Suite 200
Seattle, Washington 98103
Tel: 206 634 0177
Fax: 206 634 0167

ARCHITECT'S STAMP

5222 REGISTERED ARCHITECT BRUCE M. HAYASHI STATE OF WASHINGTON

CONSULTANT

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BUILDING DEPARTMENT'S STAMP

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Fire | Traffic

PHASE

PERMIT SET

DATE

11/02/2022

REVISIONS

No.	Description	Date
1	Permit Correction #1	1/9/23

SHEET TITLE

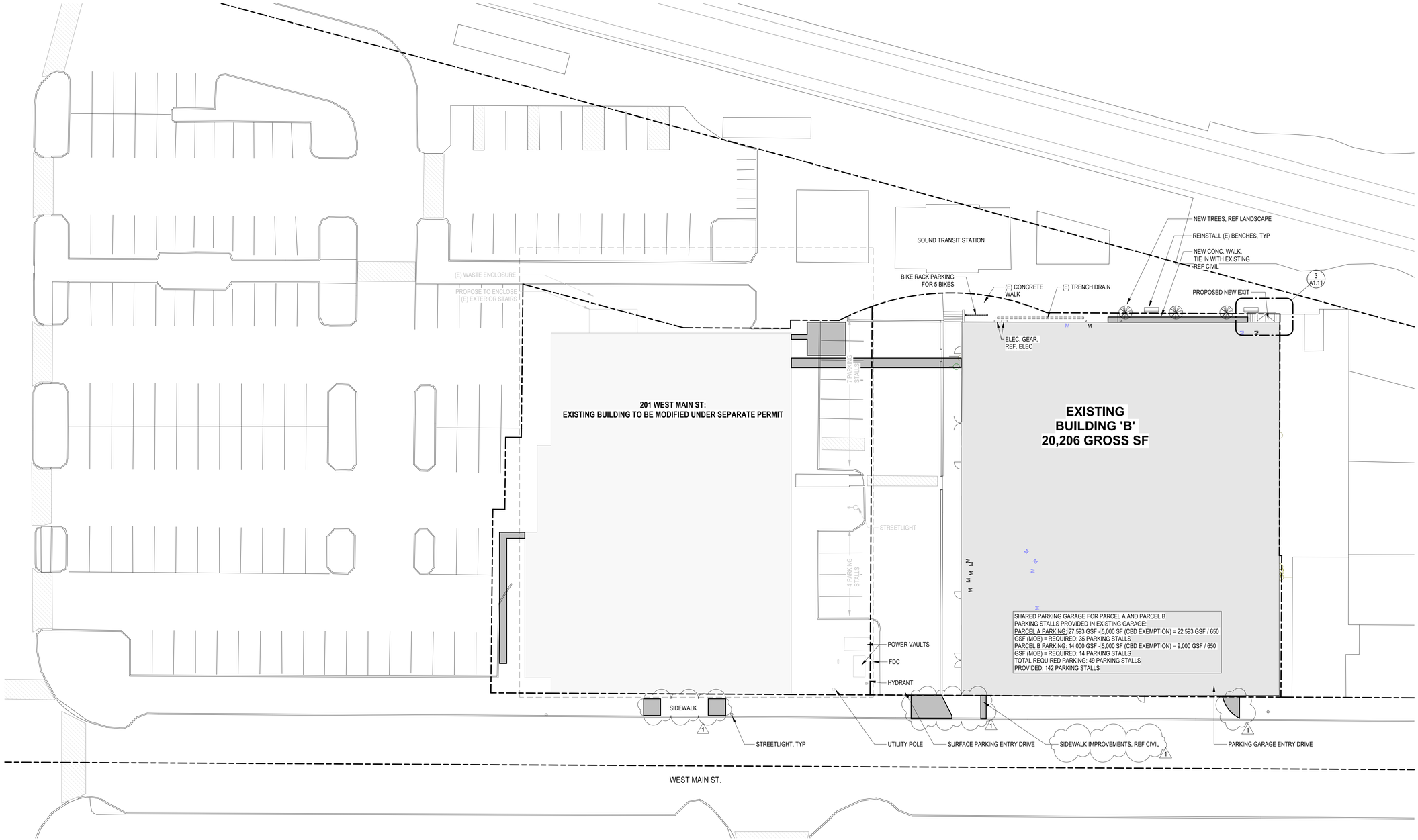
DEMO SITE PLAN

SHEET NO.

A1.00

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PRCTI20221714



1 **Site Plan**
1" = 20'-0"

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REVISIONS

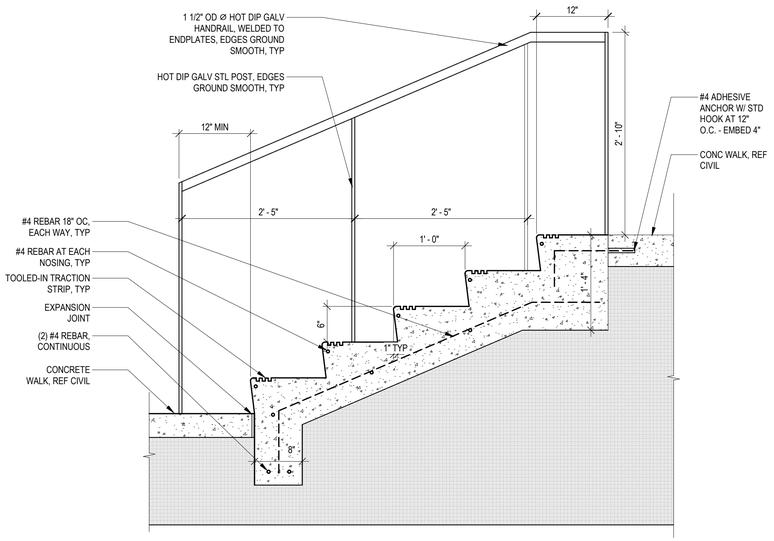
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SHEET TITLE
SITE PLAN

SHEET NO.
A1.10

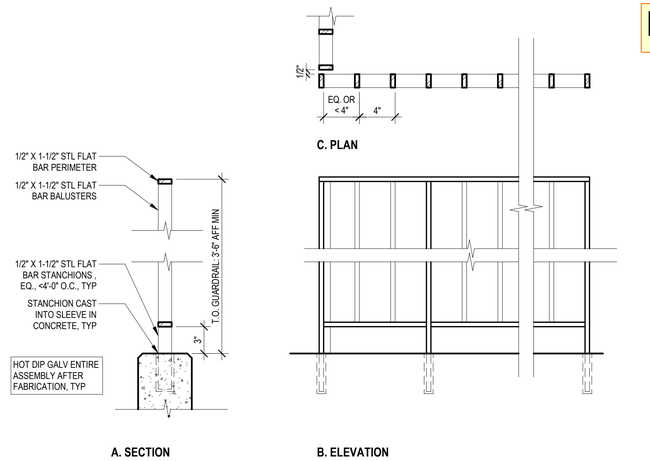
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PRCTI20221714



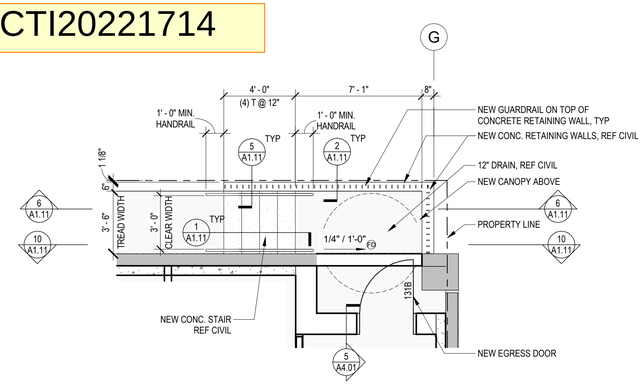
1 Concrete Stair on Grade

1" = 1'-0"



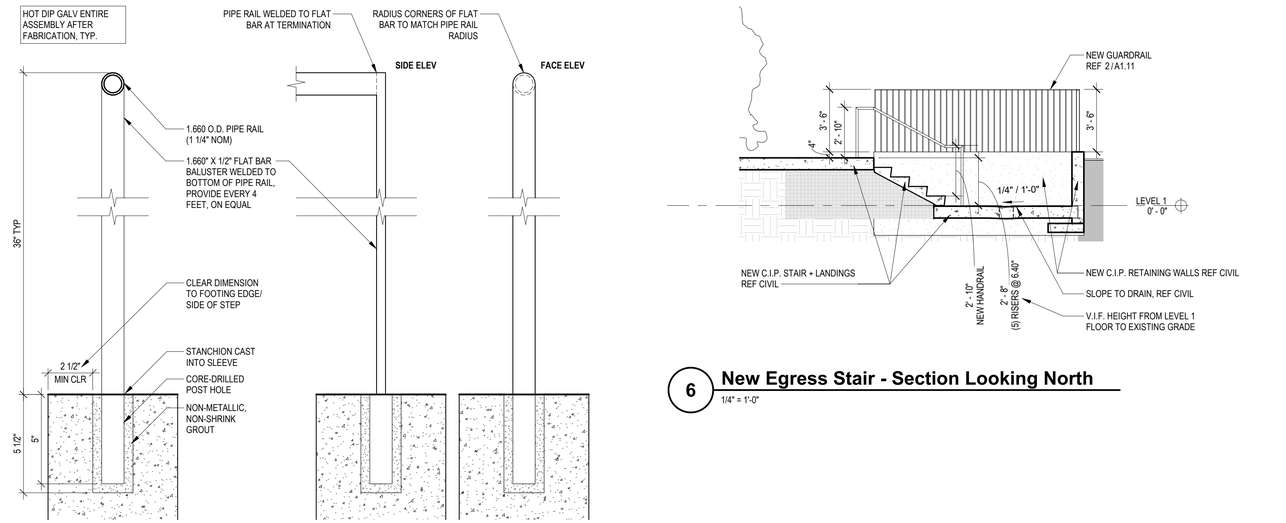
2 Guardrail @ North Egress Stair

1 1/2" = 1'-0"



3 New Egress Stair - Enlarged Plan

1/4" = 1'-0"

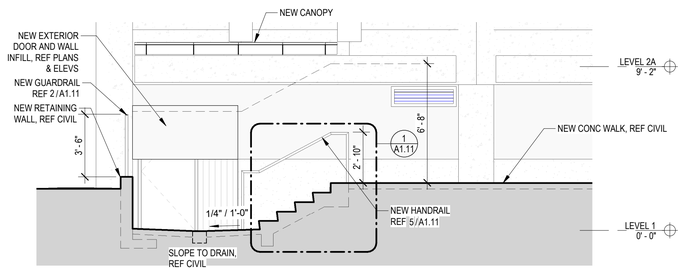


5 Sleeved Site Handrail Assembly, Typ

3" = 1'-0"

6 New Egress Stair - Section Looking North

1/4" = 1'-0"



10 New Egress Stair - Section Looking South

1/4" = 1'-0"

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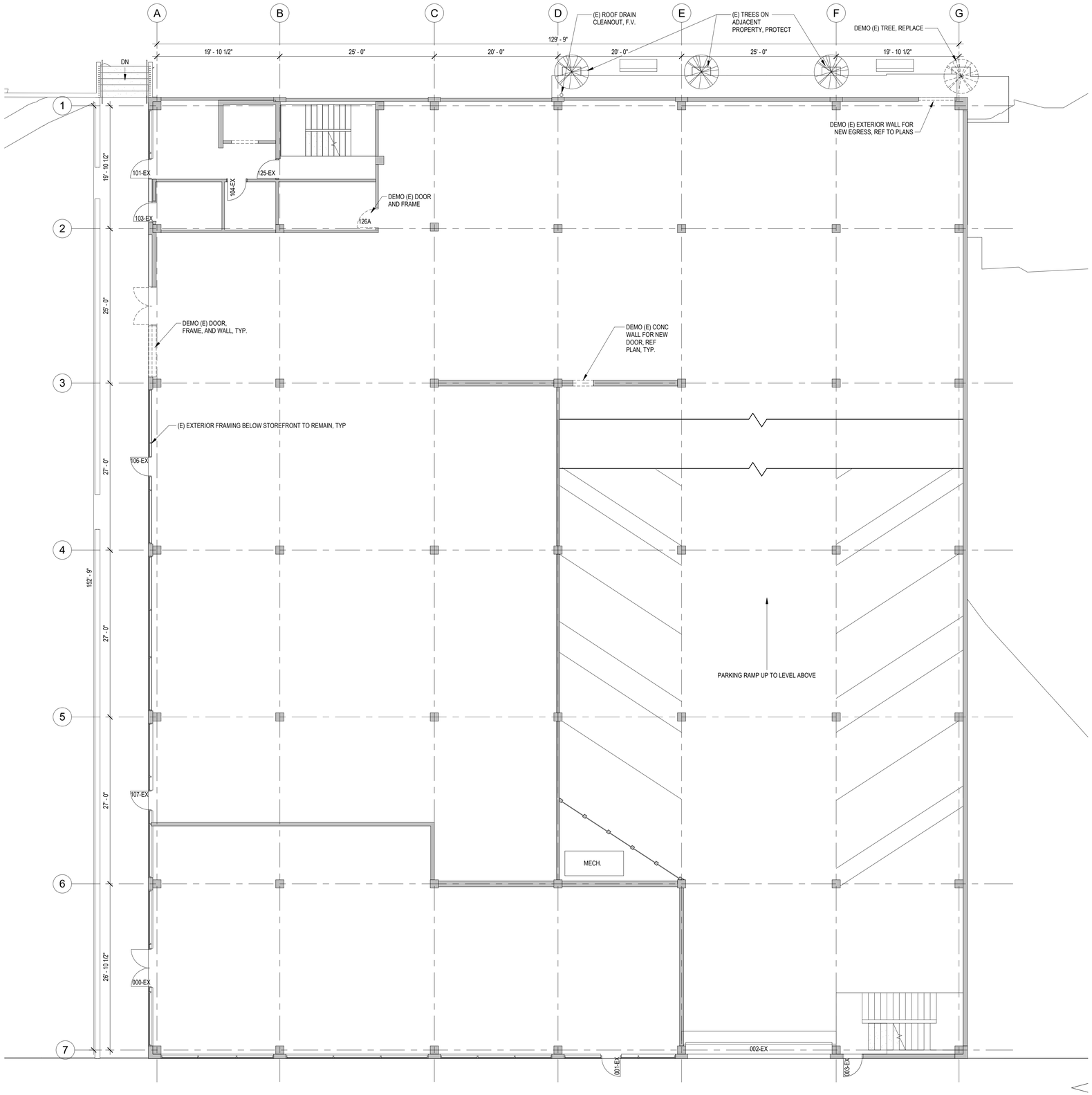
SHEET TITLE

SITE DETAILS

SHEET NO.

A1.11

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1 **LEVEL 1 - DEMOLITION**

1/8" = 1'-0"

PRCTI20221714

Selective Demolition Plan General Notes

GENERAL NOTES

1. CONTRACTOR TO COORDINATE ALL DEMOLITION WORK WITH THE HAZARDOUS MATERIALS ABATEMENT SPECIFICATIONS. REFER TO ABATEMENT SPECIFICATIONS AND REPORT. ABATEMENT WORK SHALL CONFORM TO ALL APPLICABLE STATE AND FEDERAL STANDARDS.
2. CONTRACTOR TO REVIEW THE ENTIRE PROJECT DOCUMENTS AND PERFORM SELECTIVE DEMOLITION TO ACCOMPLISH THE WORK OF THE CONTRACT WHILE PROTECTING THE BUILDING, GROUNDS, HARDSCAPE, LANDSCAPE, AND ALL WORK TO REMAIN. GENERAL CONTRACTOR SHALL PHOTOGRAPHICALLY DOCUMENT AND REVIEW EXISTING DAMAGE IN MATERIALS AND ASSEMBLIES TO REMAIN WITH THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCING DEMOLITION.
3. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND NOTIFY ARCHITECT OF DISCREPANCIES WITH THE DRAWINGS THAT MAY AFFECT THE STRUCTURAL CAPACITIES AND FINISHED APPEARANCE OF THE CONCRETE BEFORE PROCEEDING WITH ANY DEMOLITION ACTIVITIES.
4. DRAWING REPRESENTATIONS OF FRAMING AND OTHER CONCEALED CONDITIONS IN EXISTING BUILDING ARE APPROXIMATE. ACTUAL CONDITIONS MAY DIFFER. CONTRACTOR TO CONSULT W/ ARCHITECT IF SIGNIFICANT DISCREPANCIES ARE FOUND DURING DEMOLITION.
5. COORDINATE ALL DEMOLITION WORK, INCLUDING WORK OF ALL TRADES AND WORK SHOWN ON OTHER SHEETS THROUGHOUT THE SET.
6. DEMOLISH AND REMOVE ALL INTERIOR PARTITIONS DESIGNATED IN DASHED LINES IN THEIR ENTIRETY, UNO REFER TO ALTERATION PLAN FOR ADDITIONAL INFORMATION.
7. SELECTIVE DEMOLITION TO INCLUDE BUT NOT BE LIMITED TO ELEMENTS OF: FINISHES, DOORS, CASEWORK, PLUMBING FIXTURES, DUCTWORK, CEILING FINISHES, TELEPHONE AND ELECTRICAL CONDUIT, CABLE AND EQUIPMENT, LIGHT FIXTURES, PARTITIONS AND OTHER ITEMS WHERE INDICATED AND AS REQUIRED TO ACCOMPLISH THE FINAL WORK.
8. TAKE CARE TO PROTECT CONCRETE ELEMENTS, EXISTING ROOF, ROOFING, FLASHINGS, BRICK MASONRY, WINDOWS, DOORS, AND OTHER EXTERIOR ELEMENTS INTENDED TO REMAIN WHEN REMOVING FASTENERS AND ANCHORS. CONTRACTOR IS RESPONSIBLE FOR PATCHING AND REPAIRING SUCH AREAS.
9. WHERE EXISTING WORK IS TO BE CUT BACK FOR NEW WORK, CONTRACTOR IS TO ENSURE THAT CUTS ARE STRAIGHT AND TRUE. WHERE CUTS DO NOT CONFORM TO THE NEW WORK, PATCH THE EXISTING WORK TO A LEVEL DETERMINED TO BE ACCEPTABLE FOLLOWING CONSULTATION WITH THE ARCHITECT IN THE FIELD.
10. PROVIDE FIELD ENGINEERING AND TEMPORARY SUPPORT FOR (E) CONSTRUCTION TO REMAIN AS NECESSARY.
11. PROTECT ALL ITEMS AND FINISHES TO REMAIN. CONTRACTOR TO COORDINATE WITH FINAL FINISH REQUIREMENTS FOR ITEMS AND FINISHES TO REMAIN. CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ITEMS DAMAGE DURING THE COURSE OF THE WORK.
12. REMOVE WINDOWS AND LOUVERS AT EXISTING OPENINGS SCHEDULED TO RECEIVE NEW WINDOWS OR LOUVERS, UNO, AND PREPARE OPENING TO RECEIVE WINDOW OR LOUVER. REFER TO ELEVATIONS, WINDOW SCHEDULE, AND DETAILS.
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14. REFER TO SELECTIVE DEMO CEILING PLANS AND BUILDING ELEVATIONS FOR ADDITIONAL DEMOLITION REQUIREMENTS.

ARCHITECTURAL

1. CONTRACTOR SHALL WALK THE SITE WITH THE OWNER'S REPRESENTATIVE TO IDENTIFY ANY ITEMS WHICH SHOULD BE SET ASIDE AND PROTECTED FOR OWNER SALVAGE AFTER REMOVAL. THE OWNER WILL TRANSPORT SUCH ITEMS FROM THE SITE.
2. WHERE DOOR FRAMES ARE DEMOLISHED, DOOR STOP TO ALSO BE DEMOLISHED.
3. DEMO ALL SIGNAGE. ASSUME ONE AT EVERY DOOR AND 30 MORE. PATCH WALL AT DEMOLISHED SIGN.

STRUCTURAL

1. PROTECT ALL STRUCTURAL COMPONENTS TO REMAIN AND IMMEDIATELY NOTIFY ARCHITECT IF ANY DAMAGE OCCURS.

MECHANICAL

1. PLUMBING AND ROOF DRAINAGE INSTALLATIONS ARE SHOWN DIAGRAMMATICALLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE PRIOR TO BID AND DETERMINE THE FULL SCOPE OF DEMOLITION.
2. SAFELY TERMINATE ALL POWER AND PLUMBING LINES. REFER TO ALL APPLICABLE CODES.
3. COORDINATE WORK WITH THE OWNER'S UTILITIES SERVICE PROVIDERS.

ELECTRICAL

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3. MAKE ALL ELECTRICAL TERMINATIONS SAFELY AND PER CODE. REMOVE AND DISPOSE OF ALL ABANDONED MATERIAL

Selective Demo Plan Legend

- EXISTING WALL AND ITEMS TO REMAIN, TYP
- EXISTING WALLS AND ITEMS TO BE DEMOLISHED, TYP
- CUT OPENING IN WALL, TYPICAL FRAMED WALL UNLESS INDICATED OTHERWISE, TYP
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- SAWCUT AND DEMOLISH SLAB AND FLOOR FINISH, GC COORDINATE, REF STRUCT AND MECH, TYP

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ARCHITECT'S STAMP

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DATE

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REVISIONS

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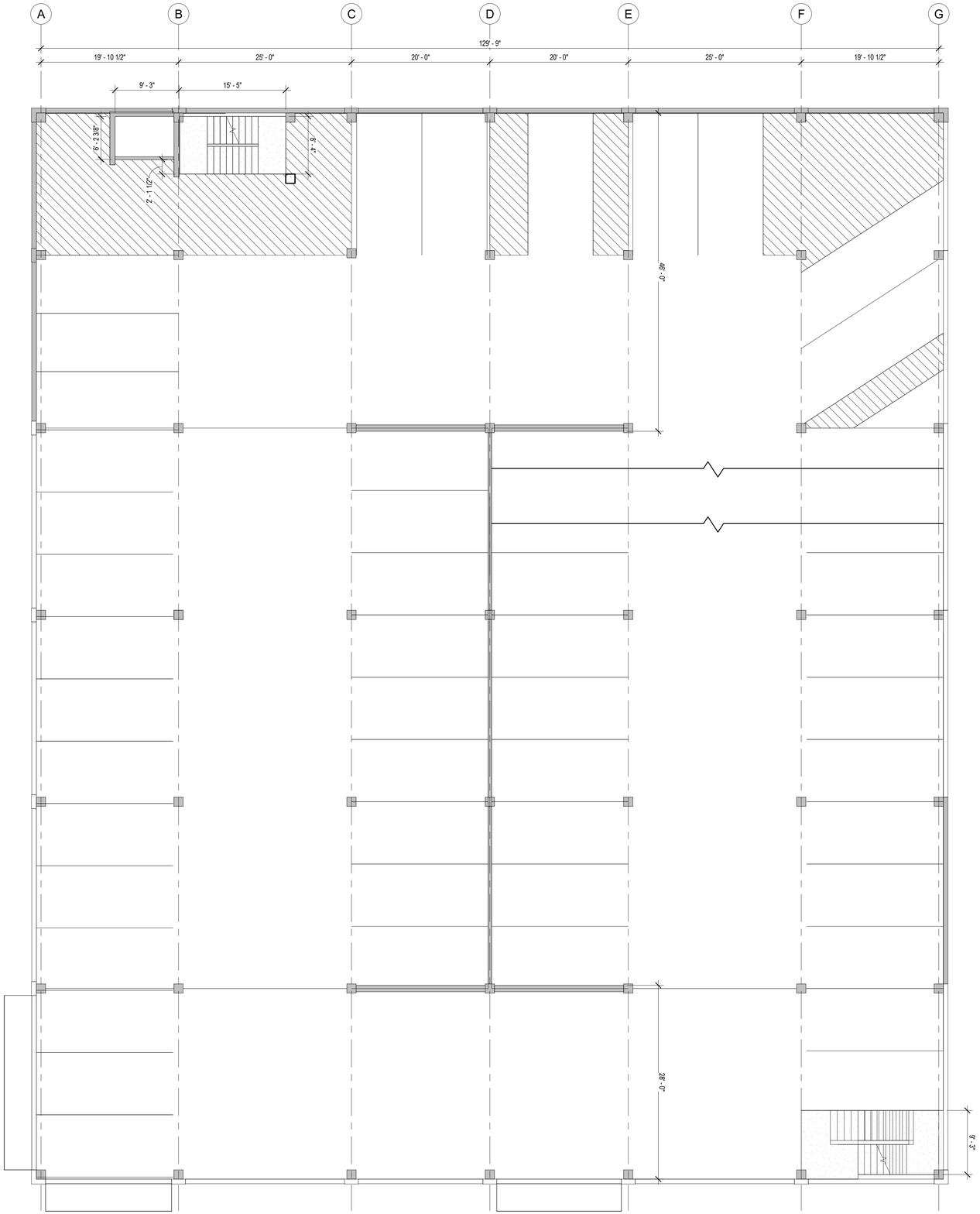
SHEET TITLE

DEMO FLOOR PLAN LEVEL 1

SHEET NO.

A1.20

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1 **LEVEL 2 - DEMOLITION**
1/8" = 1'-0"

PRCTI20221714

Selective Demolition Plan General Notes

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Selective Demo Plan Legend

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BUILDING DEPARTMENT'S STAMP

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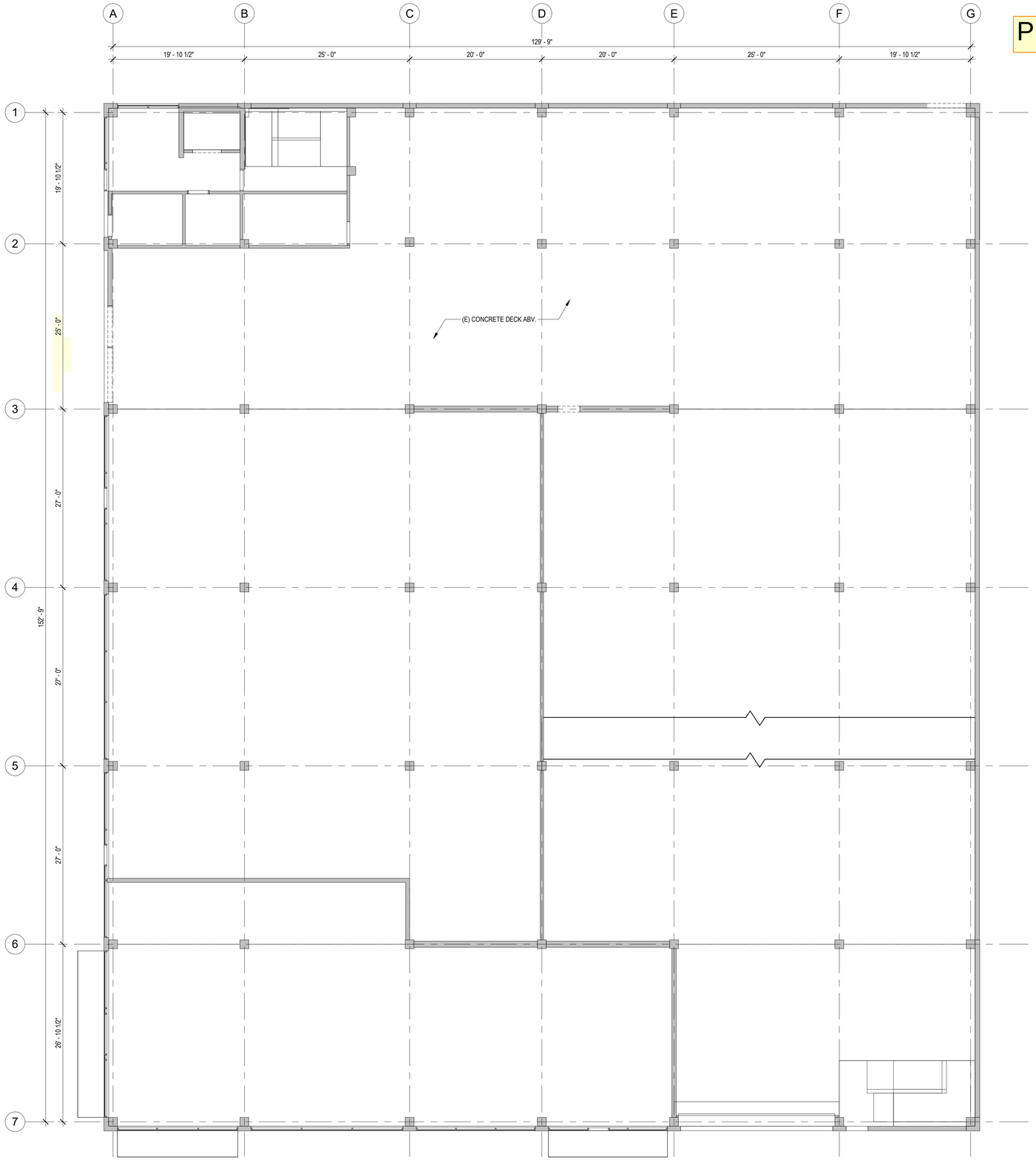
REVISIONS

No.	Description	Date

SHEET TITLE
DEMO FLOOR PLAN LEVEL 2

SHEET NO.
A1.30

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1 **Level 1 RCP - DEMOLITION**
1/8" = 1'-0"

PRCTI20221714

Selective Demolition RCP General Notes

1. REFER TO SELECTIVE DEMOLITION PLAN GENERAL NOTES ON A1.21.
2. PROTECT EXISTING WORK NOT INDICATED FOR DEMOLITION FROM DAMAGE DURING CONSTRUCTION.
3. REFER TO STRUCTURAL, MECHANICAL, AND ELECTRICAL SHEETS AND COORDINATE THE WORK.
4. PROTECT EXISTING STRUCTURE TO REMAIN DURING CONSTRUCTION.

Selective Demolition RCP Legend

EXISTING CEILING FINISH TO REMAIN.

REFER TO ALTERNATE BID #4:
AT LEVEL 1: DEMOLISH ACOUSTICAL PANELS. PROTECT SUSPENSION SYSTEM TO REMAIN.

AT LEVEL 2: DEMOLISH ACOUSTICAL PANELS AND BATT INSULATION. PROTECT SUSPENSION SYSTEM TO REMAIN.

AT LEVEL 1: DEMOLISH ACOUSTICAL PANELS AND SUSPENSION SYSTEM.

AT LEVEL 2: DEMOLISH ACOUSTICAL PANELS, BATT INSULATION AND SUSPENSION SYSTEM.

DEMOLISH ACOUSTICAL CEILING TILE. PROTECT GWB SUBSTRATE AND FRAMING TO REMAIN.

DEMOLISH ACOUSTICAL CEILING TILE, AND GWB SUBSTRATE, AND FRAMING.

DEMOLISH GWB CEILING AND FRAMING

FIXTURES TO BE DEMOLISHED, REF MECH AND ELEC, TYP

CHC Puyallup - Garage

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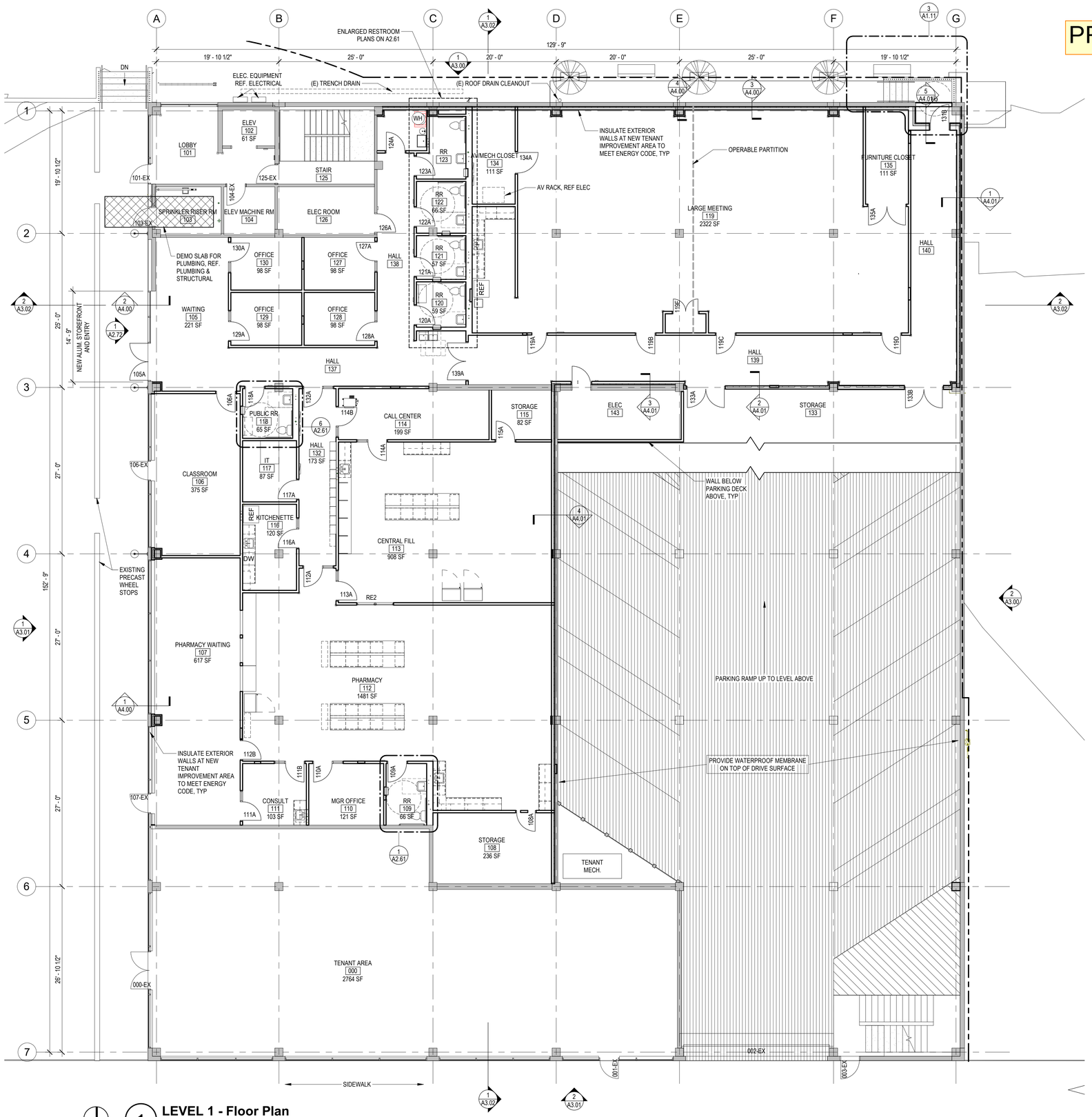
No.	Description	Date

SHEET TITLE
SELECTIVE DEMOLITION RCP

SHEET NO.
A1.40

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1 **LEVEL 1 - Floor Plan**
1/8" = 1'-0"

Floor Plan General Notes

1. REFER TO GENERAL NOTES ON SHEET AA1.00.
2. REFER TO FINISH SCHEDULE ON SHEET A2.70.
3. REFER TO DIMENSION & PARTITION TYPES PLAN FOR PARTITION TYPES.
4. ALL DIMENSIONS TO NEW PARTITIONS ARE TO FACE OF FRAMING UNO.
5. DIMENSIONS TO EXISTING WALLS ARE EITHER TO FINISHED FACE OR TO GRID LINE.
6. INFILL WITHIN EXISTING CONSTRUCTION AND NEW PARTITIONS IMMEDIATELY ADJACENT TO EXISTING CONSTRUCTION SHALL MATCH EXISTING CONSTRUCTION. PATCHES, INFILL, AND NEW PARTITIONS IMMEDIATELY ADJACENT TO OR WITHIN EXISTING PARTITIONS SHALL BE FINISHED TO BLEND SEAMLESSLY WITH EXISTING MATERIALS AND FINISH AND SHALL ALIGN WITH EXISTING FINISHES.
7. REPETITIVE FEATURES DRAWN OR NOTED ONLY ONCE SHALL BE COMPLETELY PROVIDED AS IF DRAWN OR NOTED IN FULL.
8. ALL INTERIOR WALLS BE CLEANED, SPOT PRIMED AS REQUIRED, AND TO RECEIVE NEW PAINT.
9. DOOR OPENINGS LOCATED 4" FROM ADJACENT PARTITION UNO.
10. REFER TO MECHANICAL AND ELECTRICAL AND COORDINATE THE WORK. COORDINATE EXTENTS OF CUTTING AND PATCHING AS REQUIRED FOR ALL MECHANICAL AND ELECTRICAL WORK. PATCH AND REPAIR ALL AREAS OF CUTTING AND PATCHING TO MATCH ADJACENT FINISHES.

Floor Plan Legend

- EXISTING PARTITION TO REMAIN, TYP
- REFER FLAG NOTE WHERE THIS DASHED LINE OCCURS
- INFILL AT EXISTING PARTITION, TYP
- FRAMED WALL PARTITION, TYP
- PROVIDE SLAB ON GRADE INFILL, REF STRUCT AND MECH/ELEC, TYP. PREP SUBSTRATE TO RECEIVE SCHED FINISH, REF FINISH PLAN, TYP
- PROVIDE ELEVATED CONC SLAB INFILL, REF STRUCT, TYP
- PROVIDE SELF-LEVELING UNDERLAYMENT SYSTEM TO LEVEL (E) FLOOR AFTER DEMO, TYP
- LINE INDICATES AREA TO RECEIVE BITUMINOUS DAMPPROOFING SYSTEM, REF DETAILS
- LINE INDICATES AREA TO RECEIVE SHEET WATERPROOFING SYSTEM, REF DETAILS

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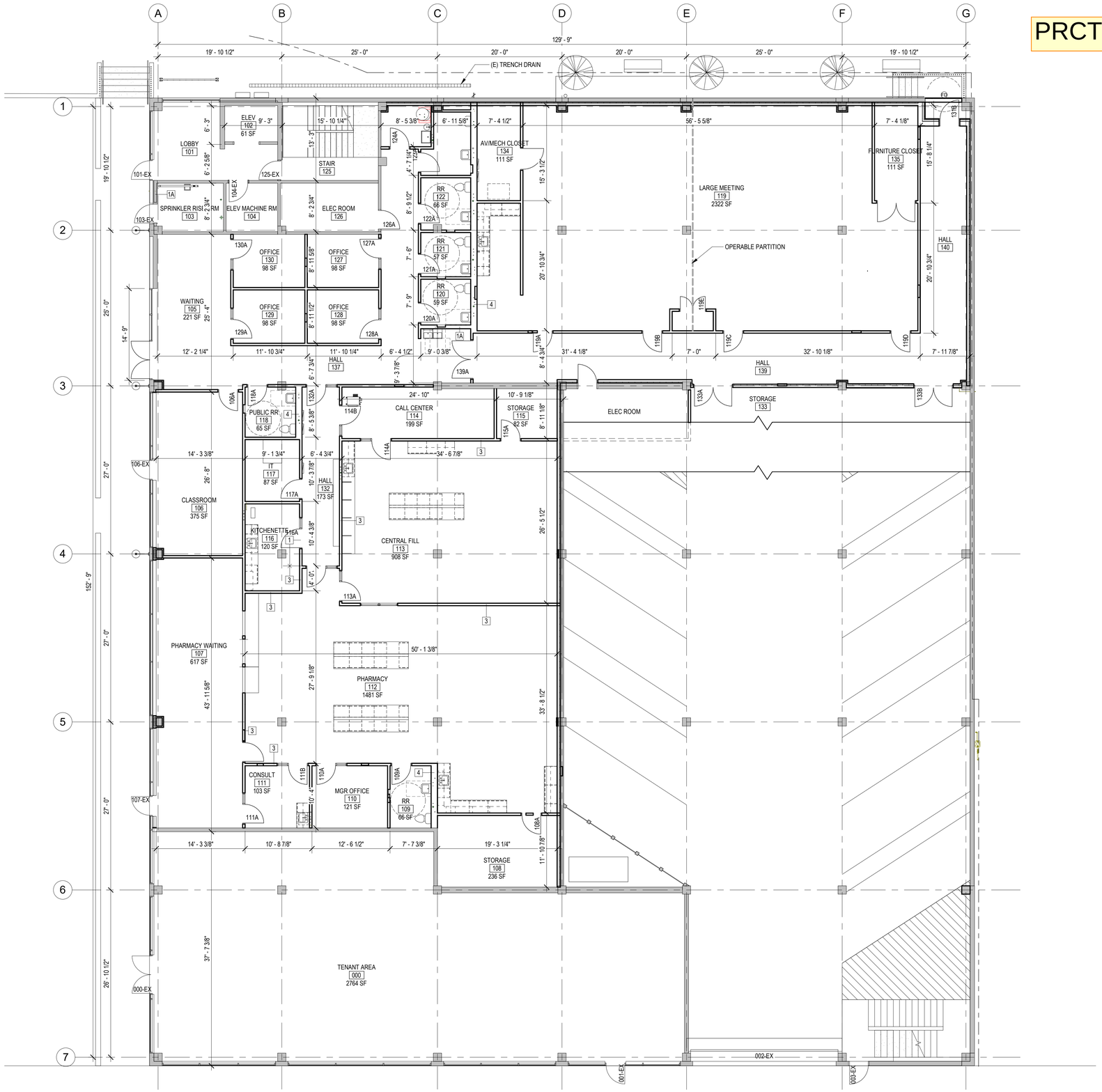
No.	Description	Date

SHEET TITLE
GARAGE GROUND FLOOR PLAN

SHEET NO.
A2.00

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PRCTI20221714



1 DIMENSION & PARTITION TYPES PLAN LEVEL 1
1/8" = 1'-0"

Dimension & Partition Types Plan Legend General Notes

1. REFER TO FLOOR PLAN GENERAL NOTES AND LEGEND, TYP.
2. REFER TO WALL SECTIONS FOR SLAB EDGE DIMENSIONS FROM GRIDLINE.

Dimension & Partition Types Plan Legend

DIM LAYOUT POINT

FRAMED WALL PARTITION, TYP

X — PARTITION TYPE, REF. A2.73 TYPICAL 1A UNO.

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No.	Description	Date
1	Permit Correction #1	1/9/23

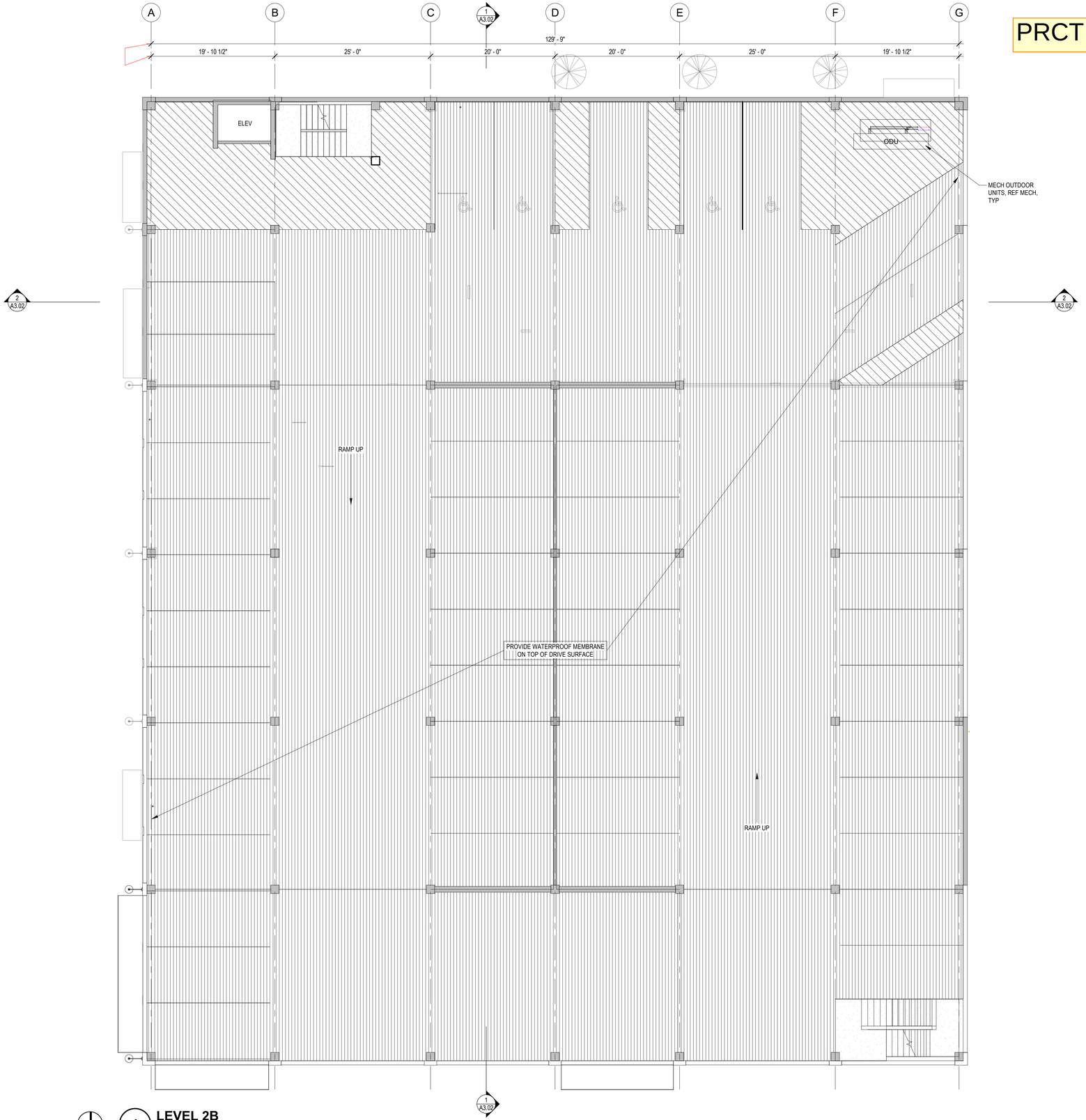
SHEET TITLE

DIMENSION & PARTITION TYPES PLAN LEVEL 1

SHEET NO.

A2.00a

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1 **LEVEL 2B**
1/8" = 1'-0"

PRCTI20221714

Floor Plan General Notes

1. REFER TO GENERAL NOTES ON SHEET AA1.00.
2. REFER TO FINISH SCHEDULE ON SHEET A2.70.
3. REFER TO DIMENSION & PARTITION TYPES PLAN FOR PARTITION TYPES.
4. ALL DIMENSIONS TO NEW PARTITIONS ARE TO FACE OF FRAMING UNO.
5. DIMENSIONS TO EXISTING WALLS ARE EITHER TO FINISHED FACE OR TO GRID LINE.
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Floor Plan Legend

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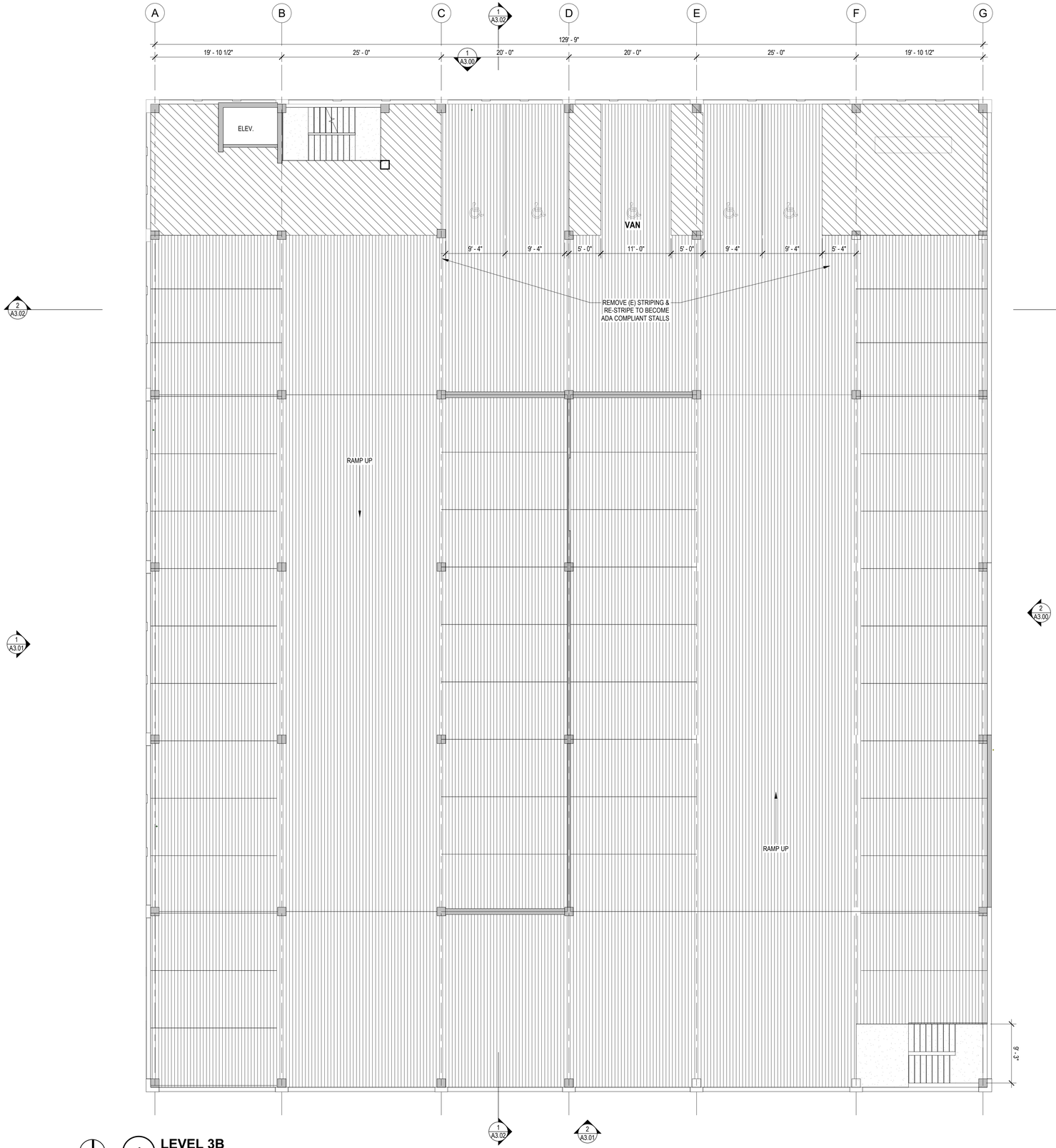
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No.	Description	Date

SHEET TITLE
GARAGE LEVEL 2A AND 2B

SHEET NO.
A2.01

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1 LEVEL 3B

1/8" = 1'-0"

PRCTI20221714

Floor Plan General Notes

1. REFER TO GENERAL NOTES ON SHEET A01.00.
2. REFER TO FINISH SCHEDULE ON SHEET A2.70.
3. REFER TO DIMENSION & PARTITION TYPES PLAN FOR PARTITION TYPES.
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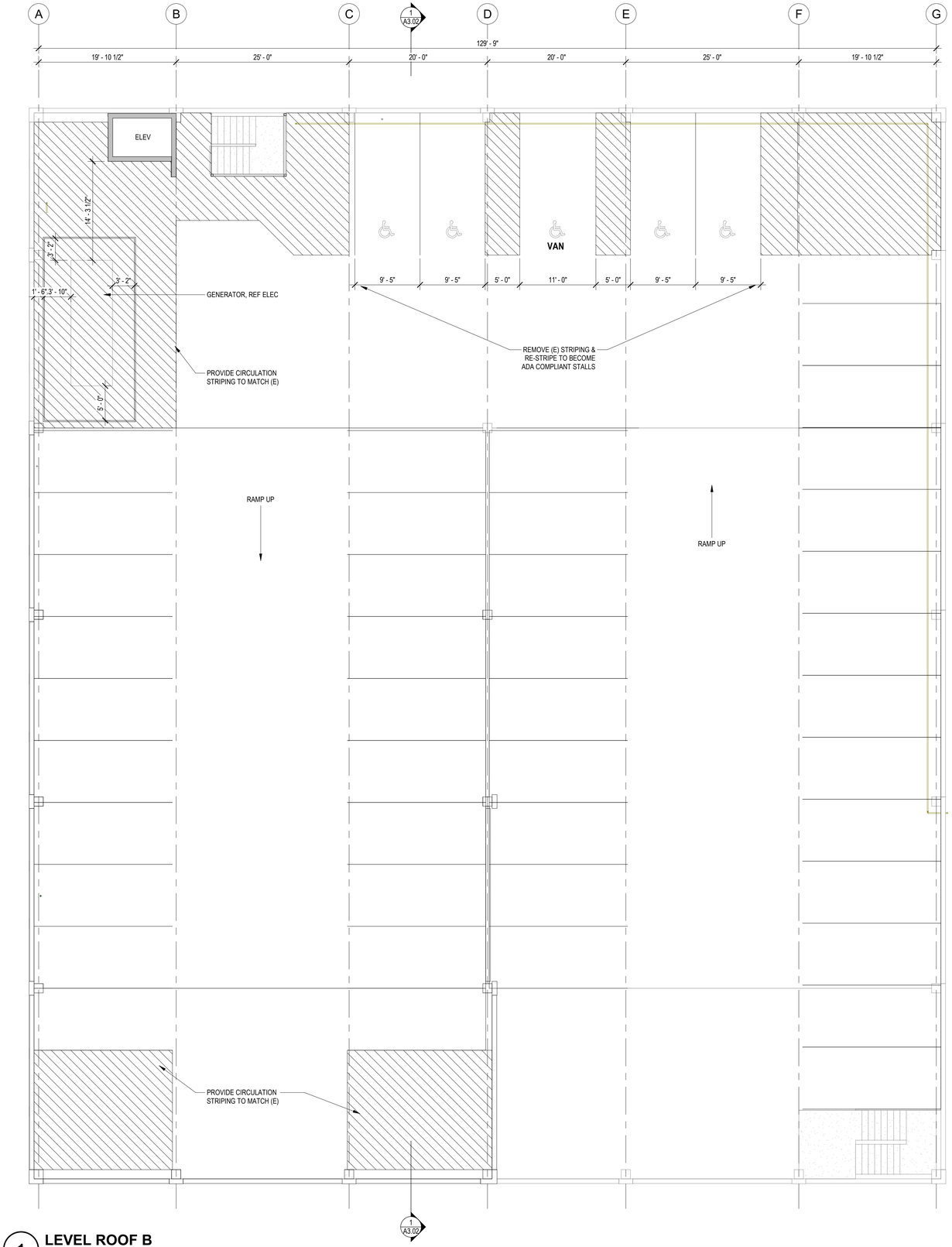
SHEET TITLE

GARAGE LEVEL 3A AND 3B

SHEET NO.

A2.02

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2 A3.02

2 A3.02

1 **LEVEL ROOF B**
1/8" = 1'-0"

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Floor Plan General Notes

1. REFER TO GENERAL NOTES ON SHEET AA1.00.
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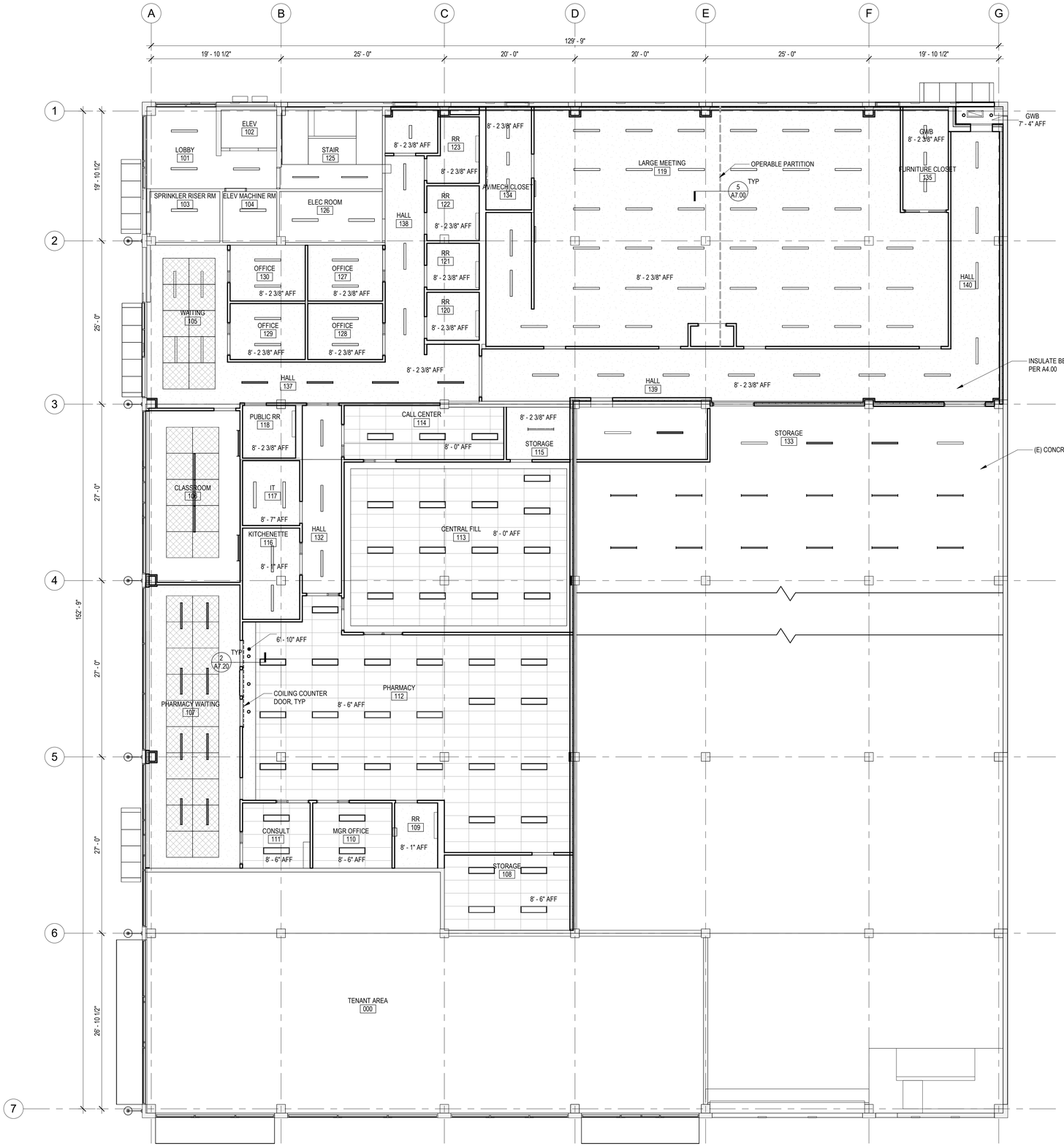
SHEET TITLE

GARAGE LEVEL 4A and 4B

SHEET NO.

A2.03

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1 **Level 1 RCP**
1/8" = 1'-0"

PRCTI20221714

RCP General Notes

1. REFER TO GENERAL NOTES ON SHEET AA1.00.
2. REFER TO FINISH SCHEDULE ON SHEET A2.70.
3. PROTECT EXISTING CEILING, FIXTURES, AND EQUIPMENT TO REMAIN DURING CONSTRUCTION.
4. IN SOME CASES SELECTED STRUCTURAL, MECHANICAL AND ELECTRICAL ITEMS ARE INDICATED FOR PURPOSES OF COORDINATION AND LOCATION. REFER TO STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL SCOPE OF WORK.
5. PAINT ALL EXPOSED DUCTWORK, PIPING, CONDUIT, STRUCTURE AND DECKING UNO.
6. PAINT ALL EXPOSED CEILINGS ABOVE APC BREAKS AND PERIMETERS.
7. FIRE SPRINKLER PIPING, PLUMBING PIPING SHALL AND ELECTRICAL CONDUIT SHALL BE ROUTED CONCEALED ABOVE DROPPED CEILINGS UNO.
8. CENTER ELECTRICAL DEVICES IN CEILING PANELS UNO, REF TO ELEC FOR ADDITIONAL DEVICES.

NO PROJECTIONS FROM THE CEILING ARE LESS THAN 7'-0" AFF, TYPICAL

RCP Legend

ARCHITECTURAL CEILINGS

10'-0" AFF — CEILING FINISH & HEIGHT ABOVE FINISH FLOOR

EXISTING CEILING/STRUCTURE, PAINT, TYP

APC: ACOUSTICAL PANEL CEILING 24X48"

(E) GWB: EXISTING GYPSUM WALL BOARD CEILING, PAINT

GWB: GYPSUM WALL BOARD CEILING ON LIGHT GAUGE FRAMING, PAINT

WPC: WOOD PLANK CEILING OVER GWB ON LIGHT GAUGE FRAMING, REF

SAP: SURFACE APPLIED ACOUSTIC CEILING PANEL

ACCESS PANEL

MECHANICAL DEVICES (REF MECH)

SUPPLY DIFFUSER

RETURN OR EXHAUST GRILLE

LIGHT FIXTURES (REF ELEC)

RECESSED FIXTURES

SURFACE MOUNTED FIXTURES

LINEAR PENDANT

WALL MOUNTED LINEAR, REF INT ELEVS

ELECTRICAL DEVICES (REF ELEC)
CENTER ON APC PANELS, TYP

EMERGENCY LIGHT FIXTURE

EXIT SIGN

(M) OCCUPANCY SENSOR

(P) PHOTOSENSOR

(F) FIRE ALARM DEVICE

(S) SMOKE DETECTOR

(H) HEAT DETECTOR

(C) SECURITY VIDEO CAMERA

(I) INTERCOM SPEAKER

(S) SPEAKER

(IR) INFRARED SENSOR

WAP — WIRELESS ACCESS POINT (ABOVE CEILING)

(S) MOTION DETECTOR

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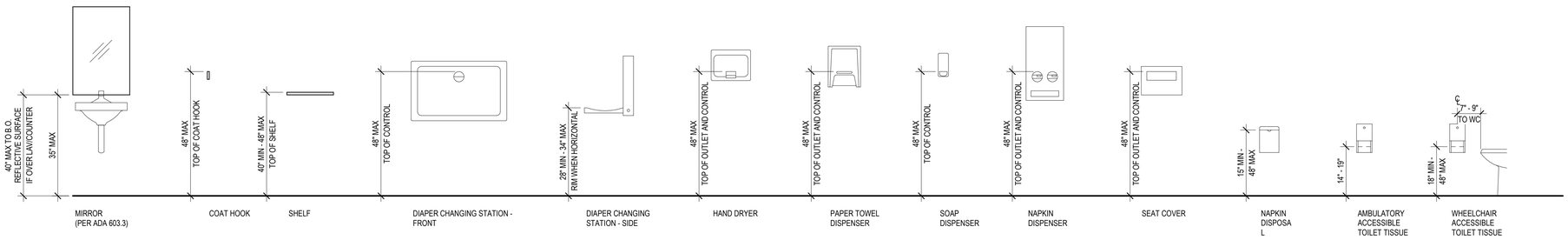
REFLECTED CEILING PLAN - LEVEL 1

SHEET NO.

A2.30

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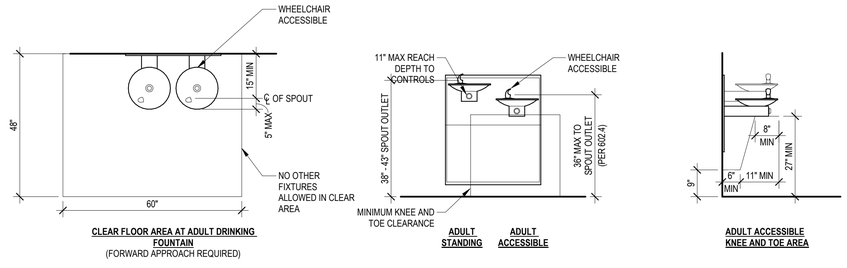
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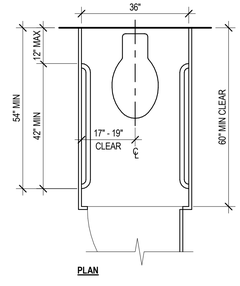
Note:
ALL ACCESSIBILTY DIMENSIONS TO FACE OF FINISH, UNO

Source Documents:
2009 ANSI A117 (IBC)
2010 ADA STANDARDS

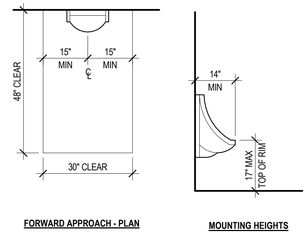
A. Typical Toilet Accessory Mounting Heights



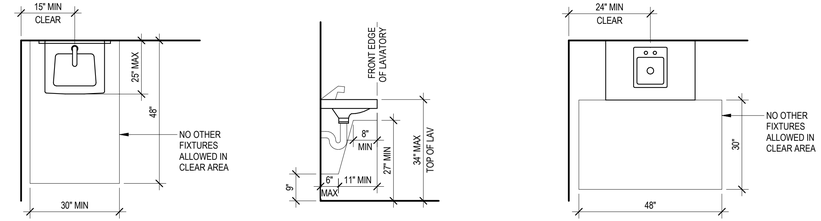
B. Accessible High/Low Drinking Fountain



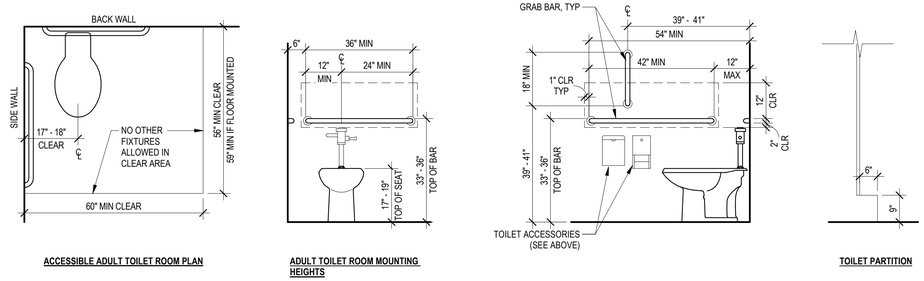
F. Typical Ambulatory Stall Layout



G. Typical Accessible Wall-Hung Urinal Layout



C. Typical Sink/Lavatory Layout



D. Typical Accessible Toilet Room Layout

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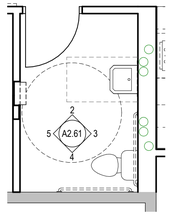
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ACCESSBILITY CLEARANCES

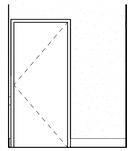
SHEET NO.
A2.60

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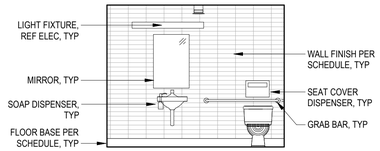
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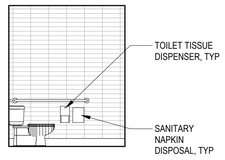
1 109 - RESTROOM
1/4" = 1'-0"



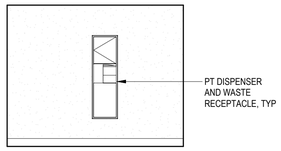
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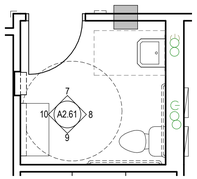
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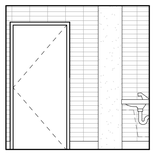
4 109 RESTROOM - S
1/4" = 1'-0"



5 109 RESTROOM - W
1/4" = 1'-0"



6 118 - PUBLIC RR
1/4" = 1'-0"



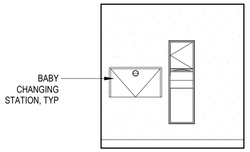
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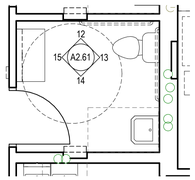
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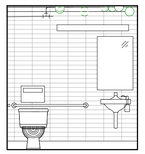
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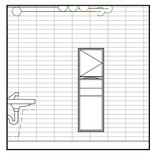
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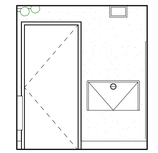
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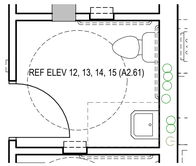
13 120 RESTROOM - E
1/4" = 1'-0"



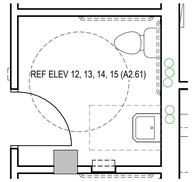
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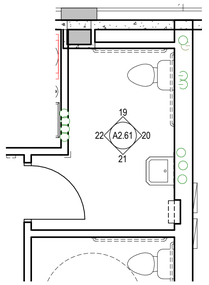
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1/4" = 1'-0"



16 121 - RESTROOM
1/4" = 1'-0"



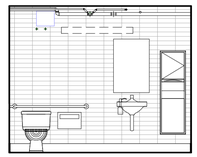
17 122 - RESTROOM
1/4" = 1'-0"



18 123 - RESTROOM
1/4" = 1'-0"



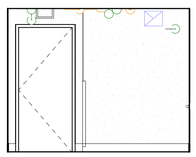
19 123 RESTROOM - N
1/4" = 1'-0"



20 123 RESTROOM - E
1/4" = 1'-0"



21 123 RESTROOM - S
1/4" = 1'-0"



22 123 RESTROOM - W
1/4" = 1'-0"

Interior Elevation General Notes

1. REFER TO A2.60 FOR ACCESSIBILITY CLEARANCES AND TYPICAL MOUNTING HEIGHTS.
2. REFER TO A2.61 FOR TOILET ACCESSORIES LEGEND. PROVIDE CONTINUOUS BACKING AT ALL WALL MOUNTED TOILET ACCESSORIES
3. REFER TO A2.70 FOR FINISH SCHEDULE AND LEGEND FOR ADDITIONAL INFORMATION.
4. REFER TO A2.71 & 2.72 FOR RELITE TYPES.
5. ALL DIMENSIONS ARE FROM FINISH FACE OR CENTERLINE OF DEVICE UNO.
6. COORDINATE DIMENSIONS AND ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT PRIOR TO INSTALLATION.
7. VERIFY SIZES AND DIMENSIONS OF ALL EQUIPMENT PRIOR TO INSTALLATION.
8. PROVIDE HORIZONTAL BACKING SUPPORT FOR ALL WALL SUPPORTED ITEMS SHOWN ON ELEVATIONS. PROVIDE BACKING AT FOIO ITEMS AS INDICATED IN EQUIPMENT LIST AND ON ELEVATIONS.
9. PROVIDE 4" WIDE 16 GA. CONTINUOUS METAL STRAPPING CENTERED AT 5'-0" AFF AT WALLS TO SUPPORT FIXTURES, FURNITURE, AND EQUIPMENT GREATER THAN 5'-0" HIGH AND AS INDICATED IN INTERIOR ELEVATIONS.
10. ALL WRITING BOARDS AND TACK BOARDS TO BE FASTENED DIRECTLY TO BLOCKING OR STUDS BEHIND THE FINISHED WALL SURFACE WITH SCREWS THROUGH THE METAL PERIMETER TRIM (NO CONCEALED ANGLES AND NO ADHESIVES).
11. MOUNTING HEIGHTS (TO CENTER, UNO):
    - ELECTRICAL AND DATA OUTLETS: 18" AFF UNO.
    - LIGHT SWITCHES: 44" AFF UNO.
    - CARD READERS : 44" AFF UNO.
    - FIRE ALARM PULLS: 44" AFF UNO.
    - ROOM SIGNS (BOTTOM EDGE): 48" AFF UNO.
12. MOUNT ROOM SIGNS WITH EDGE 2" FROM FRAME AT LATCH SIDE OF DOOR.
13. PROVIDE LOCKS AT CABINETS INDICATED WITH "L".

Interior Elevation Legend

- EXISTING GWB, REMOVE ALL SURFACE MOUNTED ITEMS, PATCH HOLES, DINGS, AND CRACKS, PAINT
- P- # — ACCENT PAINT
- CT-1 — CERAMIC TILE
- TB-1 — TACKBOARD
- TB-2 — TACKABLE WALL COVERING
- MB-1 — MARKER BOARD W/ DISPLAY RAIL
- VWP-1 — HDWD VENEER PANEL
- WPP-1 — WALL PROTECTION PANEL
- AWP-1 — ACOUSTICAL WALL PANEL
- X# — EQUIPMENT OR TOILET ACCESSORY; REF EQUIPMENT SCHEDULE ON A2.51, REF TOILET ACCESSORIES LEGEND ON A2.61

CHC Puyallup - Garage

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BUILDING DEPARTMENT'S STAMP

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

PHASE
PERMIT SET

DATE
11/02/2022

REVISIONS

No.	Description	Date

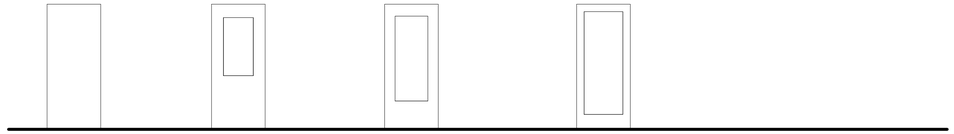
SHEET TITLE
ENLARGED RESTROOM PLANS & ELEVATIONS

SHEET NO.
A2.61

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PRCTI20221714

Door Types



A
SINGLE FLUSH DOOR

B
SINGLE FLUSH DOOR
WITH VISION GLASS

C
SINGLE FLUSH DOOR
WITH VISION GLASS

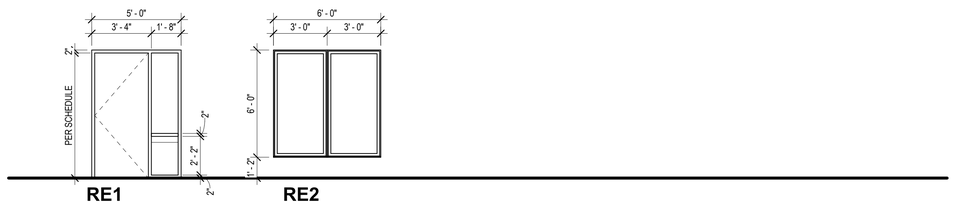
D
ALUMINUM STOREFRONT
SINGLE DOOR

AA
DOUBLE FLUSH DOORS

CC
DOUBLE FLUSH DOORS
WITH VISION GLASS

DD
ALUMINUM STOREFRONT
DOUBLE DOORS

Relite Types



RE1
HM FRAME
GLAZING TYPE GL-3

RE2
HM FRAME
GLAZING TYPE GL-3

Door Schedule

OPENING	DOOR PANEL	WIDTH	HEIGHT	DOOR MATERIAL	DOOR FINISH	RELITE	FRAME MATERIAL	FRAME FINISH	HEAD DETAIL	JAMB DETAIL	THRESHOLD DETAIL	HARDWARE SET	KEY NOTES	FIRE RATING	OVT Hardware Set
000-EX	(E)	6' - 0"	7' - 2"	(E)	(E)		(E)	(E)							00
001-EX	(E)	3' - 0"	7' - 0"	(E)	(E)		(E)	(E)							00
002-EX	(E)	23' - 8"	7' - 0"	(E)	(E)		(E)	(E)							00
003-EX	(E)	3' - 0"	7' - 0"	(E)	(E)	--	(E)	(E)							00
101-EX	(E)	3' - 0"	7' - 0"	(E)	(E)		(E)	(E)					6		00
103-EX	(E)	3' - 0"	7' - 0"	(E)	(E)	--	(E)	(E)							00
104-EX	(E)	3' - 0"	7' - 0"	(E)	(E)	--	(E)	(E)						60	00
105A	DD	6' - 0"	7' - 6"	GL		-	AL	PT	5/A7.20	5/A7.20	5/A7.20		16,6,7,8		01
105D	S	4' - 0"	7' - 0"			OPEN									00A
105E	C	3' - 0"	6' - 8"			--								45	02
106-EX	(E)	3' - 0"	7' - 0"	(E)	(E)		(E)	(E)	SEE A2.72	SEE A2.72	SEE A7.72				00
106A	C	3' - 0"	7' - 0"	WD	V	--	HM	PT	5/A7.20	5/A7.20	5/A7.20				03
107-EX	(E)	3' - 0"	7' - 0"	(E)	(E)		(E)	(E)	5/A7.20	5/A7.20	5/A7.20		1,4,7,9		00
108A	A	3' - 0"	7' - 0"	WD	V	143A	HM	PT	5/A7.20	5/A7.20	5/A7.20				04A
109A	A	3' - 0"	7' - 0"	WD	V	143A	HM	PT	5/A7.20	5/A7.20	5/A7.20		10		05
110A	A	3' - 0"	7' - 0"	WD	V	RE1	HM	PT	5/A7.20	5/A7.20	5/A7.20		11		06
111A	A	3' - 0"	7' - 0"	WD	V	RE1	HM	PT	5/A7.20	5/A7.20	5/A7.20				03
111B	A	3' - 0"	7' - 0"	WD	V	RE1	HM	PT	5/A7.20	5/A7.20	5/A7.20		7, 11		07C
112A	A	3' - 0"	7' - 0"	WD	V	RE1	HM	PT	5/A7.20	5/A7.20	5/A7.20		7		07B
112B	A	3' - 0"	7' - 0"	WD	V	143A	HM	PT	5/A7.20	5/A7.20	5/A7.20		7		07
113A	C	3' - 0"	7' - 0"	WD	V	RE1	HM	PT	5/A7.20	5/A7.20	5/A7.20				03A
114A	A	3' - 0"	7' - 0"	WD	V	RE1	HM	PT	5/A7.20	5/A7.20	5/A7.20		7		07A
114B	C	3' - 0"	7' - 0"	WD	V	RE1	HM	PT	5/A7.20	5/A7.20	5/A7.20				03A
115A	A	3' - 0"	7' - 0"	WD	V	143A	HM	PT	5/A7.20	5/A7.20	5/A7.20				04
116A	C	3' - 0"	7' - 0"	WD	V	RE1	HM	PT	5/A7.20	5/A7.20	5/A7.20				03A
117A	A	3' - 0"	7' - 0"	WD	V	143A	HM	PT	5/A7.20	5/A7.20	5/A7.20		7		07
118A	A	3' - 0"	7' - 0"	WD	V	143A	HM	PT	5/A7.20	5/A7.20	5/A7.20		10		05
119A	A	3' - 0"	7' - 0"	WD	V	143A	HM	PT	5/A7.20	5/A7.20	5/A7.20				08
119B	A	3' - 0"	7' - 0"	WD	V	143A	HM	PT	5/A7.20	5/A7.20	5/A7.20				08
119C	A	3' - 0"	7' - 0"	WD	V	143A	HM	PT	5/A7.20	5/A7.20	5/A7.20				08
119D	A	3' - 0"	7' - 0"	WD	V	143A	HM	PT	5/A7.20	5/A7.20	5/A7.20				08
119E	AA	4' - 0"	8' - 6"	WD	V	--	HM	PT	5/A7.20	5/A7.20	5/A7.20				09T
120A	A	3' - 0"	7' - 0"	WD	V	143A	HM	PT	5/A7.20	5/A7.20	5/A7.20		10		05A
121A	A	3' - 0"	7' - 0"	WD	V	143A	HM	PT	5/A7.20	5/A7.20	5/A7.20		10		05A
122A	A	3' - 0"	7' - 0"	WD	V	143A	HM	PT	5/A7.20	5/A7.20	5/A7.20		10		05
123A	A	3' - 0"	7' - 0"	WD	V	143A	HM	PT	5/A7.20	5/A7.20	5/A7.20		10		05
124A	A	3' - 0"	7' - 0"	WD	V	143A	HM	PT	5/A7.20	5/A7.20	5/A7.20				10
125-EX	A	3' - 0"	7' - 0"	(E)	(E)	--	(E)	(E)					6		00
126A	A	3' - 0"	7' - 0"	HM	PT	--	HM	PT	5/A7.20	5/A7.20	5/A7.20		6	90	02F
127A	A	3' - 0"	7' - 0"	WD	V	RE1	HM	PT	5/A7.20	5/A7.20	5/A7.20		11		06
128A	A	3' - 0"	7' - 0"	WD	V	RE1	HM	PT	5/A7.20	5/A7.20	5/A7.20		11		06
129A	A	3' - 0"	7' - 0"	WD	V	RE1	HM	PT	5/A7.20	5/A7.20	5/A7.20		11		06
130A	A	3' - 0"	7' - 0"	WD	V	RE1	HM	PT	5/A7.20	5/A7.20	5/A7.20		11		06
131B	A	3' - 0"	6' - 8"	HM	PT	--	HM	PT	5/A7.20	5/A7.20	5/A7.20		6,13,15	45	11
132A	C	3' - 0"	7' - 0"	WD	V	RE1	HM	PT	5/A7.20	5/A7.20	5/A7.20		7		07
133A	AA	6' - 0"	7' - 0"	WD	V	--	HM	PT	5/A7.20	5/A7.20	5/A7.20		13,15	90	12
133B	AA	6' - 0"	7' - 0"	WD	V	--	HM	PT	5/A7.20	5/A7.20	5/A7.20		13,15	90	12
134A	T	3' - 4"	7' - 0"	WD	V	--	HM	PT	5/A7.20	5/A7.20	5/A7.20				04BW
135A	AA	6' - 0"	7' - 0"	WD	V	--	HM	PT	5/A7.20	5/A7.20	5/A7.20				09A
139A	BB	6' - 0"	7' - 0"	WD	V	--	HM	PT	5/A7.20	5/A7.20	5/A7.20		7,6		13

Door Schedule General Notes

1. REFER TO SPECIFICATIONS FOR HARDWARE GROUPS.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION ON SCHEDULED FINISHES.
3. ALL DOOR AND RELITE GLAZING SHALL BE SAFETY GLAZING CONFORMING TO IBC SECTION 2406.
4. VERIFY ALL FRAME THROAT DIMENSIONS WITH PARTITION TYPES AND SCHEDULED FINISHES PRIOR TO FABRICATION.
5. REFER TO WINDOW FLASHING SEQUENCE DETAILS ON A6.10 AND OTHER ASSOCIATED DRAWINGS.
6. PROVIDE STAINLESS STEEL PAN FLASHINGS AND PREFINISHED ALUMINUM BRAKE SHAPES AND COORDINATE THE WINDOW INSTALLATION WITH AIR AND WATER BARRIER ASSEMBLIES AND FLASHINGS.
7. HINGE SIDE OF DOOR SHALL BE 4" FROM ADJACENT WALL, UNO.
8. INTERIOR DOORS SHALL REQUIRE A MINIMUM 5 POUND OPENING FORCE PER ADA.
9. DOOR THRESHOLD TRANSITIONS SHALL BE A MAXIMUM OF 1/2" TALL PER ADA.
10. PROVIDE DOOR SILENCERS ON ALL INTERIOR DOORS.
11. ALL EXTERIOR GLAZED DOORS SHALL BE LABELED AND CERTIFIED PER SEATTLE ENERGY CODE SECTION C303.1.3. SUBMIT NFRC CERTIFICATES PER SEC REQUIREMENTS.

Door Schedule Legend

MATERIALS/FINISHES

AL	ALUMINUM
ASF	ALUMINUM STOREFRONT
ACW	ALUMINUM CURTAINWALL
F	FACTORY FINISH, PER SPEC
GL	GLASS
HM	HOLLOW METAL
PT	PAINT
STL	STEEL
T	TEMPERED
V	CLEAR VARNISH
WD	WOOD
WS	WEATHERING STEEL
SWP	SPECIALTY WOOD PANEL

Door Schedule Key Notes

1. EXISTING DOOR FRAME AND PANEL TO REMAIN. CLEAN AND PREP PRIOR TO FINISHING PER SCHED.
2. EXISTING DOOR FRAME TO REMAIN, PAINT HALLWAY AND ROOM SIDE. REPLACE DOOR PANEL. CLEAN AND PREP PRIOR TO FINISHING PER SCHED.
3. EXISTING DOOR OPENING IS NO LONGER RATED.
4. REPLACE CYLINDER, TO BE KEYED FOR FD ACCESS.
5. 6' - 8" MIN DOOR HEIGHT, FIELD VERIFY
6. PROVIDE PANIC HARDWARE EXIT DEVICE
7. PROVIDE ACCESS CONTROL CONTACT
8. PROVIDE DOOR OPERATOR SYSTEM
9. PROVIDE EXIT ONLY HARDWARE
10. PROVIDE LATCH WITH VACANCY INDICATOR
11. PROVIDE COAT HOOK ON ROOM SIDE OF DOOR
12. REMOTE ACCESS CONTROL
13. INSULATED DOOR ASSEMBLY
14. PROVIDE SLIDING DOOR HARDWARE W/ SOFT CLOSE& ACOUSTIC SEAL
15. OPAQUE EXTERIOR DOOR WITH U-FACTOR = 0.30
16. STOREFRONT EXTERIOR DOOR WITH U-FACTOR = 0.60, SHGC = 0.40

CHC Puyallup - Garage

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ARCHITECT'S STAMP

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BUILDING DEPARTMENT'S STAMP

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic
Date: 11/02/2022

PHASE

PERMIT SET

DATE

11/02/2022

REVISIONS

No.	Description	Date

SHEET TITLE

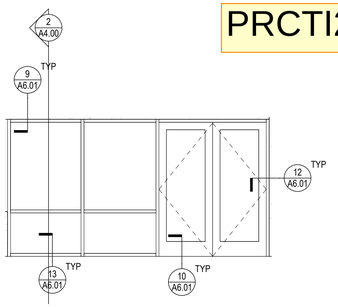
DOOR & RELITE TYPES, DOOR SCHEDULE

SHEET NO.

A2.71

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2213



WN1

WINDOW SYSTEM A
ALUMINUM STOREFRONT WINDOW

PRCTI20221714

Window Types General Notes

1. PROVIDE SAFTEY/TEMPERED GLAZING WHERE REQUIRED BY IBC SECTION 2406.
2. PROVIDE STRENGTH OF GLAZING AS REQUIRED BY IBC CHAPTER 24 AND SPECIFCATIONS.
3. ALL WINDOWS TO BE NFRC CERTIFIED. SUBMITS NFRC CERTIFICATES PER SEATTLE ENEGRY CODE REQUIREMENTS.
4. PROVIDE SEALANT AND BACKING AT ALL OPENINGS.
5. ALL WINDOWS ARE SHOWN FROM THE EXTERIOR UNLESS OTHERWISE NOTED.
6. DIMENSIONS GIVEN ARE ROUGH OPENING AND/OR MASONRY OPENING. FIELD VERIFY ALL OPENINGS.
7. COORDINATE ALL DOORS IN STOREFRONT ASSEMBLIES.
8. REFER TO EXTERIOR ELEVATIONS FOR WINDOW CALLOUTS
9. FOR ALL OPERABLE WINDOWS, PROVIDE 4" LIMITER AND SCREEN.

Window Types Legend

WINDOW SYSTEM A:
BASIS OF DESIGN: KAWNEER SERIES 451UT

MAX U-FACTOR, METAL FRAMING, FIXED	= 0.38
MAX U-FACTOR, METAL FRAMING, OPERABLE	= 0.40
MAX U-FACTOR, OPAQUE DOORS	= 0.37
MAX SHGC, SOUTH/EAST/WEST FACING	= 0.38

Glazing Types Legend

PROVIDE SAFETY GLAZING AT ALL GLAZING TYPES AS REQUIRED BY IBC SECTION 2406.4.1, AND WITHIN 24" OF DOOR JAMB AND SILL WHERE LESS THAN 60" ABOVE FLOOR.

GL-1 (TYPICAL EXTERIOR)
CLEAR 1" INSULATED LOW-E UNITS
SOLARBAN-70 W/ THERMAL SPACERS
U-VALUE = 0.31 MAX; SHGC = 0.27 MAX; VLT = 64%

GL-2 (TYPICAL INTERIOR GLAZED OPENINGS)
CLEAR 1/4" GLASS

Engery Code Glazing Calculations

NORTH STAIR ENCLOSURE NOT COUNTED IN CALCULATIONS, UNCONDITIONED

VERTICAL FENESTRATION AREA CALCULATION:
C402.4.1 MAXIMUM VERTICAL FENESTRATION-TO-WALL RATIO = 30%

PROPOSED:

TOTAL VERTICAL FENESTRATION (NEW)	= 110 SF
TOTAL VERTICAL FENESTRATION (EXSTG)	= 558 SF
TOTAL VERTICAL FENESTRATION COMBINED	= 668 SF
NET EXTERIOR ABOVE GRADE WALL AREA (NEW)	= 36 SF
NET EXTERIOR ABOVE GRADE WALL AREA (EXSTG)	= 2,858 SF
TOTAL NET EXTERIOR WALL AREA	= 2,894 SF
TOTAL NET EXTERIOR WALL AREA + FENESTRATION	= 3,562 SF

VERTICAL FENESTRATION-TO-WALL RATIO (WWR) = 18.4% PROPOSED

Mechanical Louvers Legend

L1: 42x12, Ref. Mechanical

CHC Puyallup - Garage

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No.	Description	Date

SHEET TITLE

WINDOW, LOUVER, & SKYLIGHT TYPES

SHEET NO.

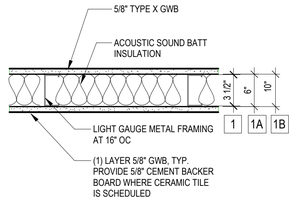
A2.72

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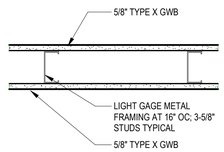
PRCTI20221714

PARTITION TYPES

NOTES:
1. EXTEND FRAMING AND GWB TO FLOOR/ROOF DECK ABOVE WITH COMPENSATION CHANNEL AT TOP.
2. PENETRATIONS FOR ELECTRICAL OUTLETS, ETC. SHALL BE OFFSET 1 STUD SPACE MIN.
3. CAULK ALONG BOTH SIDES OF PERIMETER W/ NON-HARDENING SILICONE MASTIC.
4. CONTINUOUS ACOUSTICAL SEALANT JOINT AT FLOOR WUNDER TRACK, TYP.



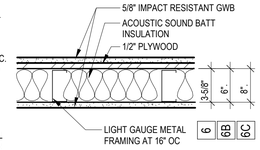
1 Partition Type: Typical
1-1/2" = 1'-0"



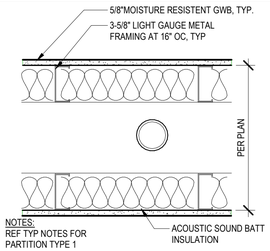
NOTES:
REF TYP NOTES FOR PARTITION TYPE 1

2 Partition Type: Partial Height
1-1/2" = 1'-0"

NOTES:
1. EXTEND FRAMING AND GWB TO FLOOR/ROOF DECK ABOVE WITH COMPENSATION CHANNEL AT TOP WHERE FULL HEIGHT WALL INDICATED.
2. PENETRATIONS FOR ELECTRICAL OUTLETS, ETC. SHALL BE OFFSET 1 STUD SPACE MIN.
3. SEAL ALONG BOTH SIDES OF PERIMETER W/ NON-HARDENING SILICONE MASTIC.
4. CONTINUOUS ACOUSTICAL SEALANT JOINT AT FLOOR UNDER TRACK, TYP.
5. PLYWOOD TO BE LOCATED ON HALLWAY AND WAITING SIDE OF WALL



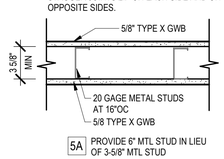
3 Partition Type: Impact Resistant
1-1/2" = 1'-0"



NOTES:
REF TYP NOTES FOR PARTITION TYPE 1

4 Partition Type: Chase, Typical
1-1/2" = 1'-0"

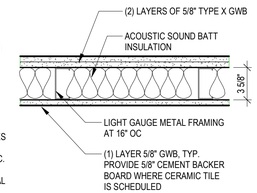
*PER GA-600 FILE NO. WP 1072
FASTEN GWB TO STUDS WITH 1" TYPE 'S' DRYWALL SCREWS 8" OC AT VERTICAL JOINTS AND 12" OC AT FLOOR AND CEILING RUNNERS AND INTERMEDIATE STUDS; STAGGER JOINTS 24" ON EACH SIDE AND ON OPPOSITE SIDES.



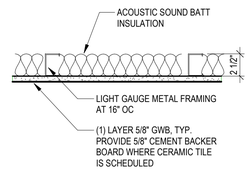
NOTES:
REF TYP NOTES FOR PARTITION TYPE 1

5 Partition Type: 1-Hour Fire Resistant
1-1/2" = 1'-0"

NOTES:
1. EXTEND FRAMING AND GWB TO FLOOR/ROOF DECK ABOVE WITH COMPENSATION CHANNEL AT TOP.
2. PENETRATIONS FOR ELECTRICAL OUTLETS, ETC. SHALL BE OFFSET 1 STUD SPACE MIN.
3. CAULK ALONG BOTH SIDES OF PERIMETER W/ NON-HARDENING SILICONE MASTIC.
4. CONTINUOUS ACOUSTICAL SEALANT JOINT AT FLOOR WUNDER TRACK, TYP.

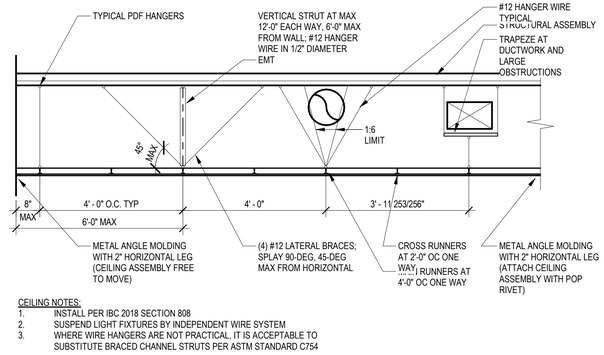


6 Partition Type: Acoustical
1-1/2" = 1'-0"



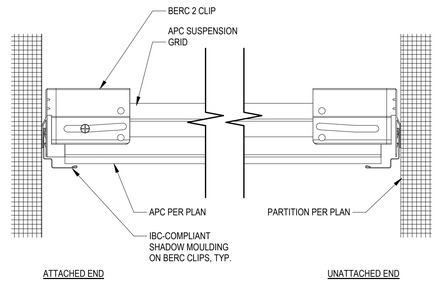
7 Partition Type: Typical One Sided
1-1/2" = 1'-0"

Partition General Notes:
1. ALL PARTITIONS TO BE TYPE 1 UNLESS INDICATED OTHERWISE.
2. WALL TYPE DESIGNATIONS ARE MADE ON THE A2.00 SERIES FLOOR PLANS
4. NOT USED
   NOT USED
5. ALL GYPSUM BOARD TO BE TYPE X, EXCEPT WEATHER- RESISTENT GYPSUM BOARD TO BE USED ON WET SIDE OF PARTITIONS AT KITCHENETTE & RESTROOMS.
6. ALL PARTITION TYPES TO EXTEND TO FLOOR/ROOF DECK ABOVE, UNO
7. PER IBC 703.6 RATED PARITITONS ARE REQUIRED TO BE PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING. SIGNAGE OR STENCILING TO BE:
   A. LOCATED IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING SPACE
   B. REPEATED EVERY 30 FEET
   C. LETTERING TO BE AT LEAST 1/2" TALL
   D. SUGGESTED WORDING "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS"

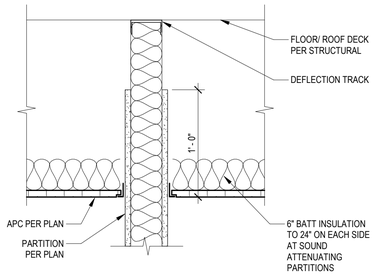


CEILING NOTES:
1. INSTALL PER IBC 2018 SECTION 808
2. SUSPEND LIGHT FIXTURES BY INDEPENDENT WIRE SYSTEM
3. WHERE WIRE HANGERS ARE NOT PRACTICAL, IT IS ACCEPTABLE TO SUBSTITUTE BRACED CHANNEL STRUTS PER ASTM STANDARD C754

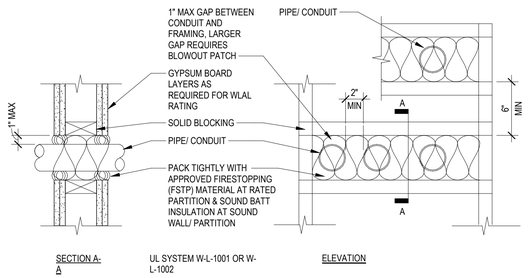
1 Typical Detail at APC Lateral Bracing
1/2" = 1'-0"



2 Typical Perimeter at Suspended Ceiling
NTS

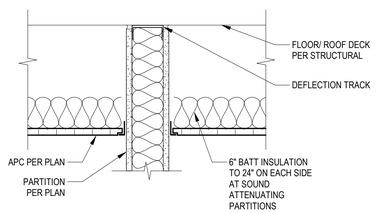


3 Typical Partition at Suspended Ceiling
1 1/2" = 1'-0"



SECTION A-A | UL SYSTEM W-L-1001 OR W-L-1002 | ELEVATION

4 Typ Detail at Pipe or Conduit Penetration of Fire Rated Wall
1 1/2" = 1'-0"



5 Typical Partition (Full Height) at Suspended Ceiling
1 1/2" = 1'-0"

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SHEET TITLE
PARTITION TYPES & TYPICAL ASSEMBLIES

SHEET NO.
A2.73

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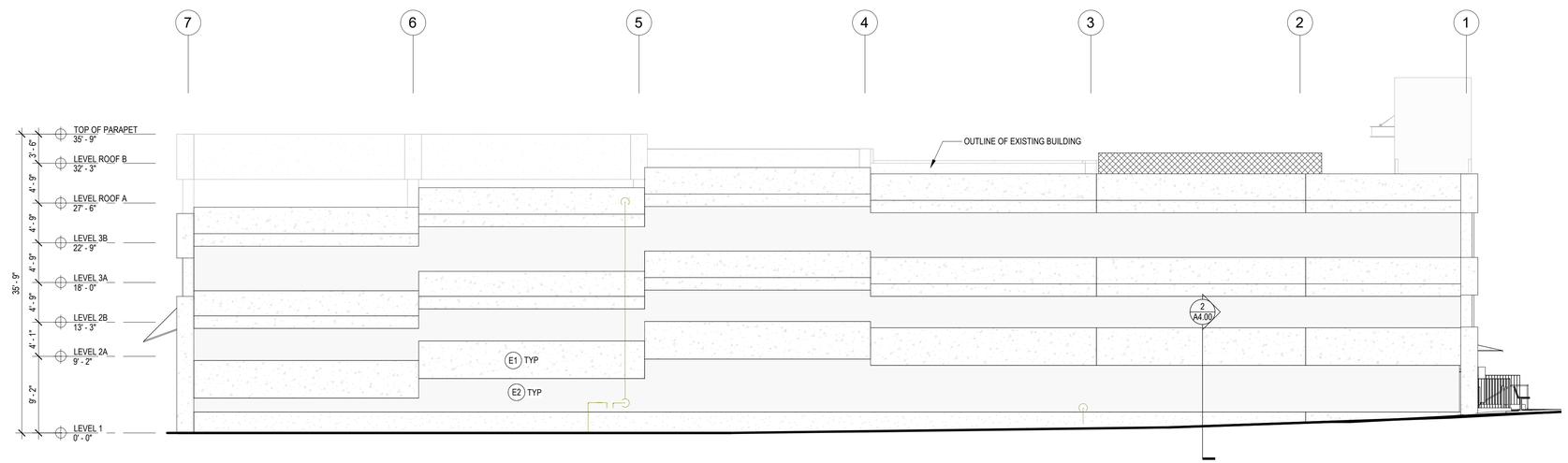
PRCTI20221714

Exterior Materials Legend

- E1 EXISTING PRECAST CONCRETE, NEW PAINT
- E2 EXISTING EIFS SYSTEM REPAIR AND RESEAL, REFER TO AA1.00 FOR ALTERNATE
- E3 EXISTING CAST-IN-PLACE CONCRETE STEM WALL, NEW PAINT
- LE EXISTING LOUVER TO REMAIN
- L1 LOUVER TYPE, REF A2.72 FOR LOUVER TYPES
- W# WINDOW / ENTRANCE TYPE, REF A2.72 FOR WINDOW TYPES



1 North Elevation
1/8" = 1'-0"



2 East Elevation
1/8" = 1'-0"

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SHEET TITLE

BUILDING ELEVATIONS

SHEET NO.

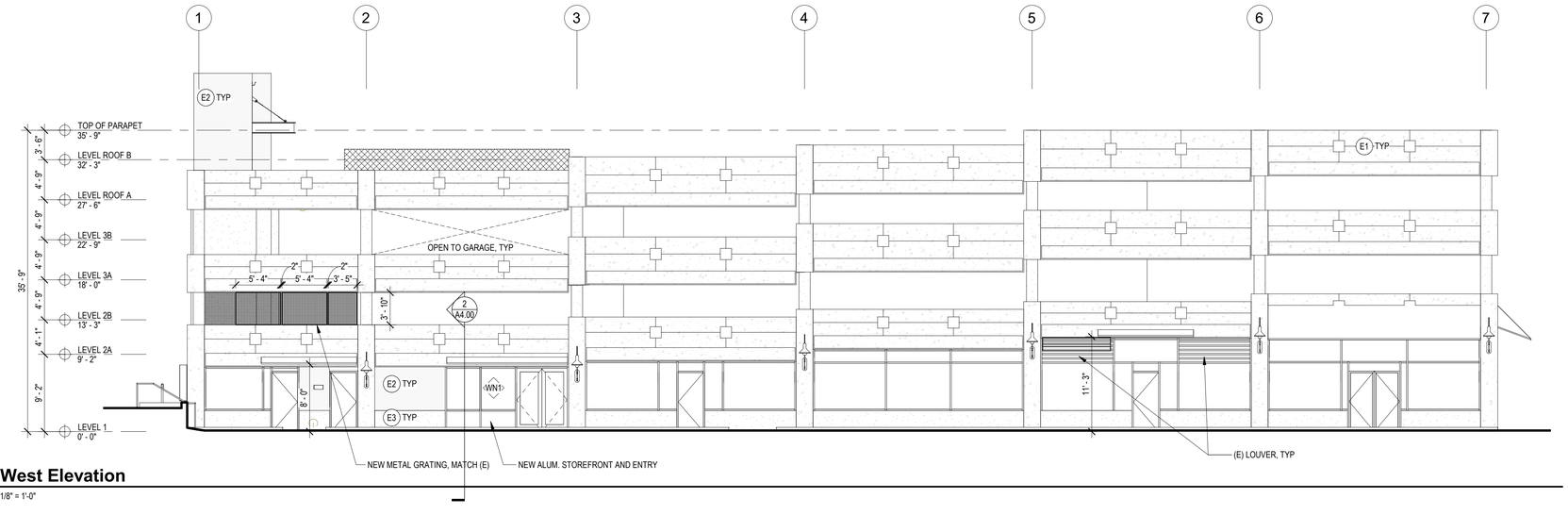
A3.00

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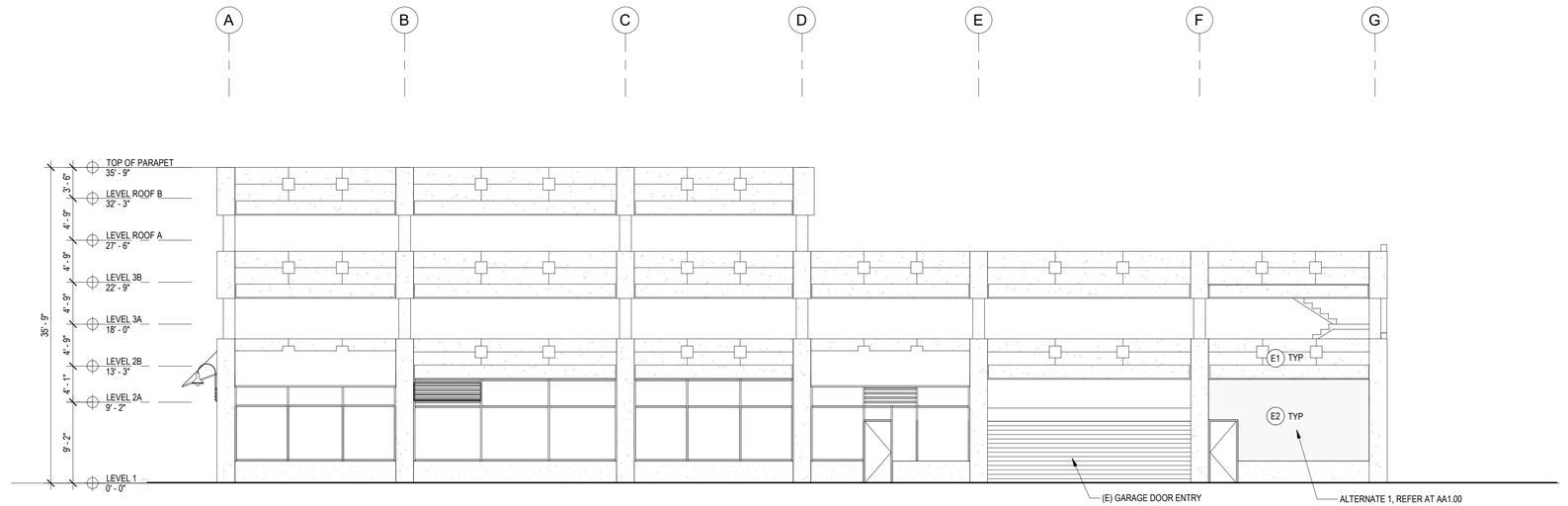
PRCTI20221714

Exterior Materials Legend

- E1 EXISTING PRECAST CONCRETE, NEW PAINT
- E2 EXISTING EIFS SYSTEM REPAIR AND RESEAL, REFER TO AA1.00 FOR ALTERNATE
- E3 EXISTING CAST-IN-PLACE CONCRETE STEM WALL, NEW PAINT
- LE EXISTING LOUVER TO REMAIN
- L1 LOUVER TYPE, REF A2.72 FOR LOUVER TYPES
- W# WINDOW / ENTRANCE TYPE, REF A2.72 FOR WINDOW TYPES



1 West Elevation
1/8" = 1'-0"



2 South Elevation
1/8" = 1'-0"

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No.	Description	Date

SHEET TITLE

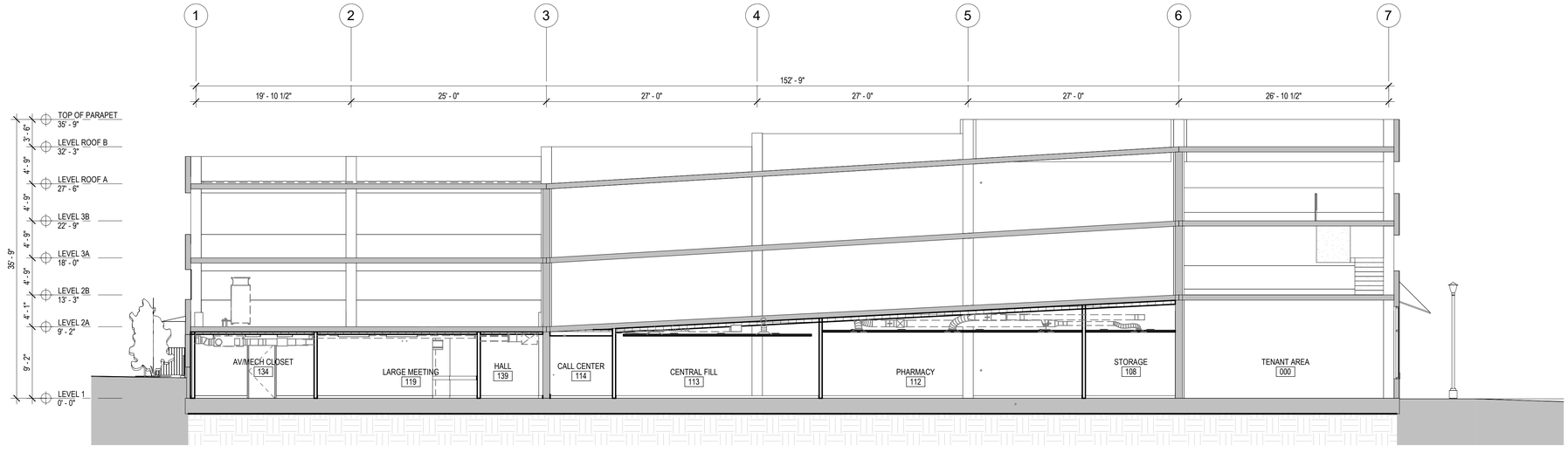
BUILDING ELEVATIONS

SHEET NO.

A3.01

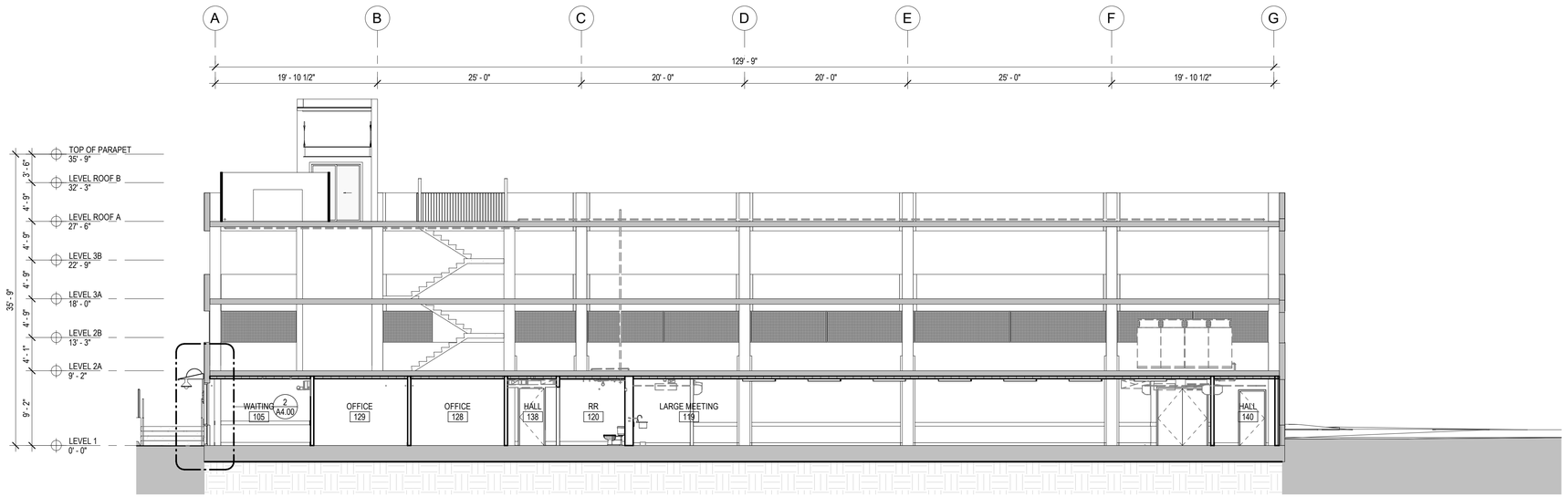
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PRCTI20221714



1 **Section Looking East**

1/8" = 1'-0"



2 **Section Looking North**

1/8" = 1'-0"

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No.	Description	Date

SHEET TITLE

BUILDING SECTIONS

SHEET NO.

A3.02

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Exterior Construction Assembly Schedule/Wall Section Key Notes

W1 **EXISTING CONCRETE WALL WITH NEW FURRED INTERIOR**
(E)6" CONCRETE WALL
(E)1/4" AIR SPACE
(E) 4" METAL STUDS W/ NEW R-13 BATT INSULATION
2" RIGID INSULATION 6.5R PER INCH FASTENED TO STUDS, TAPED & SEALED
VAPOR RETARDER
5/8" GYPSUM WALL BOARD FINISH REF FINISH SCHEDULE

W2 **EXISTING BELOW GRADE CONCRETE WALL WITH NEW FURRED INTERIOR**
(E)8" CONCRETE WALL
2" RIGID INSULATION 6.5R PER INCH FASTENED TO CONCRETE, TAPED & SEALED
1/4" AIR SPACE
4" METAL STUDS W/ NEW R-13 BATT INSULATION
VAPOR RETARDER
5/8" GYPSUM WALL BOARD FINISH REF FINISH SCHEDULE

W3 **EXISTING FRAMED WALL W/ PLASTER SIDING AND NEW FURRED INTERIOR**
(E) 7/8" EXTERIOR PLASTER/STUCCO
(E) 5/8" EXTERIOR GYP SHEATHING
(E) 6" METAL FRAMING WITH R-19 BATT INSULATION
2" RIGID INSULATION 6.5R PER INCH FASTENED TO CONCRETE, TAPED & SEALED
1/4" AIR SPACE
4" METAL STUDS W/ NEW R-13 BATT INSULATION
VAPOR RETARDER
5/8" GYPSUM WALL BOARD, FINISH REF FINISH SCHEDULE

W4 **EXISTING CMU W/ NEW FURRED INTERIOR**
(E) 7/8" EXTERIOR PLASTER
(E) 8" CMU
2" RIGID INSULATION 6.5R PER INCH FASTENED TO CONCRETE, TAPED & SEALED
(E)1/4" AIR SPACE
(E) 4" METAL STUDS W/ NEW R-13 BATT INSULATION
5/8" GYPSUM WALL BOARD FINISH REF FINISH SCHEDULE

W5 **NEW 2 HOUR 4" STUD FRAMED WALL WITH NEW FURRED INTERIOR**
(2) TYPE X 5/8 GWB
2x4 STUD METAL FRAMING W/ R-13 BATT INSULATION
2" RIGID INSULATION 6.5R PER INCH FASTENED TO STUDS, TAPED & SEALED
VAPOR RETARDER
(2) TYPE X 5/8" GYPSUM WALL BOARD FINISH REF FINISH SCHEDULE

W6 **COLUMN WRAP**
(E)8" CONCRETE WALL
(E)16"X16" CONCRETE COLUMN
VAPOR RETARDER
2" RIGID INSULATION 6.5R PER INCH FASTENED TO CONCRETE, TAPED & SEALED
5/8" GYPSUM WALL BOARD FINISH REF FINISH SCHEDULE

W7 **NEW FRAMED WALL W/ METAL WALL PANEL SYSTEM**
PREFINISHED METAL WALL PANEL SYSTEM, REF EXTERIOR ELEVATIONS
CONTINUOUS 2" RIGID INSULATION 6.5R PER INCH WITH
CLADDING SUPPORT CLIP SYSTEM
AIR & WEATHER BARRIER
SHEATHING
6" LIGHT GAUGE METAL FRAMING WITH R-19 BATT INSULATION
VAPOR RETARDER
5/8" GYPSUM WALL BOARD FINISH REF FINISH SCHEDULE

S1 **EXISTING CONCRETE SLAB CEILING**
(E) 6" CONCRETE SLAB
AIR BARRIER
3" RIGID INSULATION 6.5R PER INCH

S2 **EXISTING CONCRETE SLAB CEILING**
(E) 6" CONCRETE SLAB
AIR BARRIER
6" RIGID INSULATION 6.5R PER INCH

ES **EXISTING CONCRETE SLAB ON GRADE**
(E) 24" CONCRETE SLAB ON GRADE

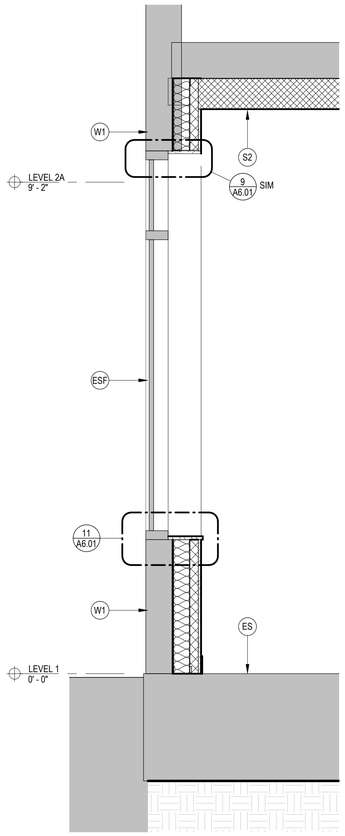
FE1 **EXISTING STOREFRONT SYSTEM**

ED1 **EXISTING STOREFRONT DOOR**

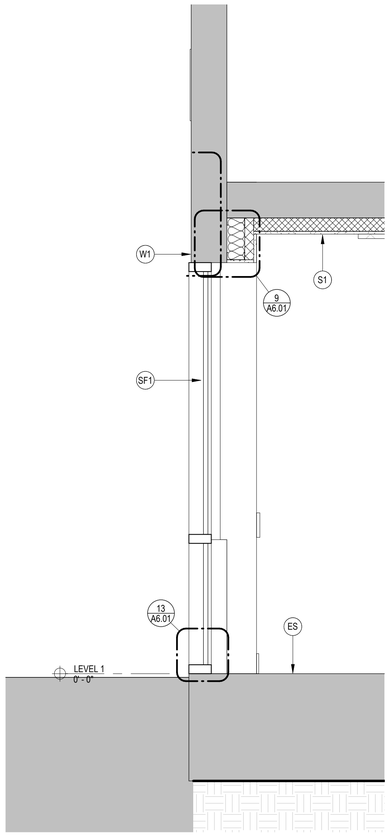
F1 **NEW STOREFRONT SYSTEM**
STOREFRONT AND/OR WINDOW ASSEMBLY
REF WINDOW TYPES ON A2.72
FIXED STOREFRONT
U-FACTOR = 0.38
SHGC = 0.38

D1 **NEW STOREFRONT ENTRANCE DOOR**
U-FACTOR = 0.60
SHGC = 0.40

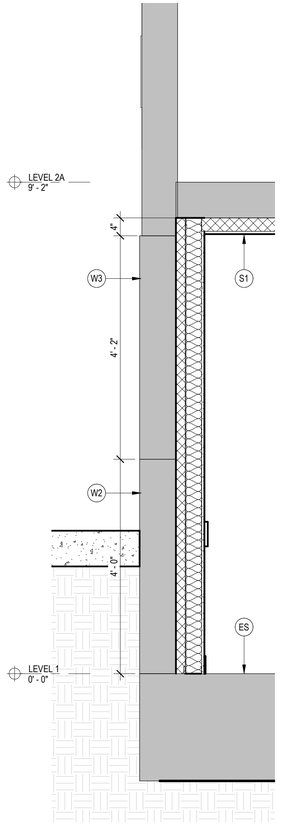
D2 **NEW OPAQUE ENTRANCE DOOR**
U-FACTOR = 0.30



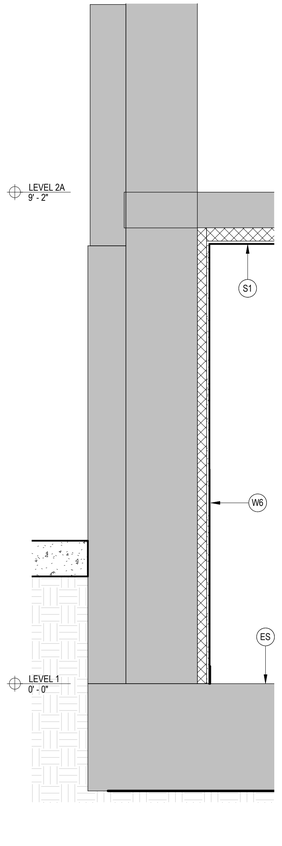
1 **West Wall at (E) Storefront**
3/4" = 1'-0"



2 **West Wall at New Storefront**
3/4" = 1'-0"



3 **North Wall at Meeting**
3/4" = 1'-0"



4 **Column Wrap, Typ.**
3/4" = 1'-0"

CHC Puyallup - Garage

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PHASE
PERMIT SET

DATE
11/02/2022

REVISIONS

No.	Description	Date

SHEET TITLE
WALL SECTIONS, WALL ASSEMBLIES

SHEET NO.
A4.00

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PHASE

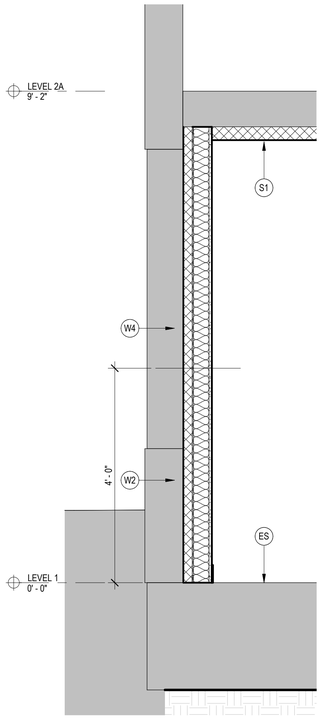
PERMIT SET

DATE

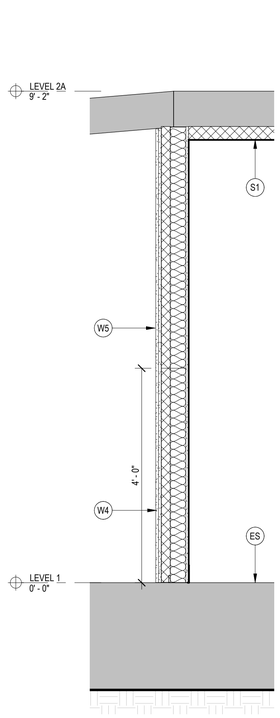
11/02/2022

REVISIONS

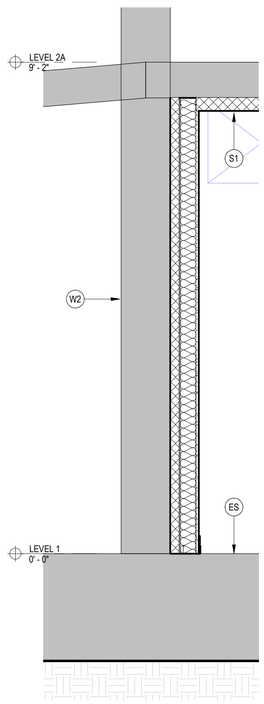
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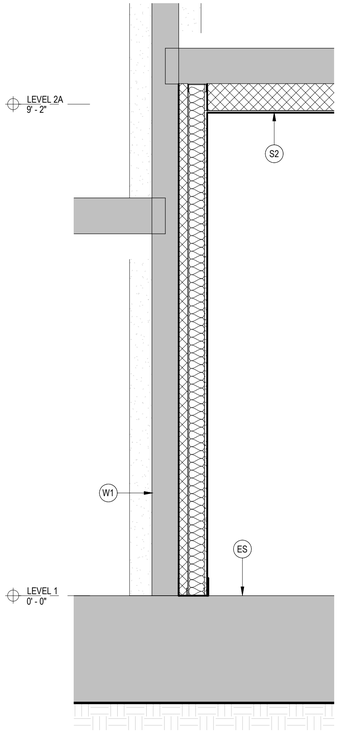
1 East Wall at Hall
3/4" = 1'-0"



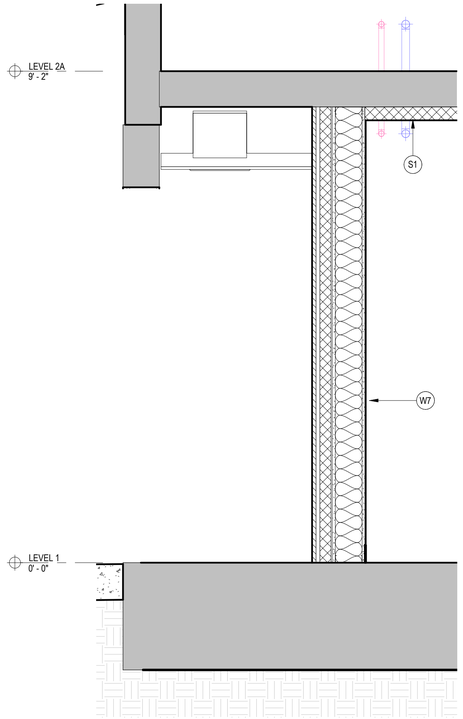
2 South Wall at Storage
3/4" = 1'-0"



3 South Wall at Hall
3/4" = 1'-0"



4 East Wall at Pharamcy and Garage
3/4" = 1'-0"



5 North Wall at Exit
3/4" = 1'-0"

SHEET TITLE

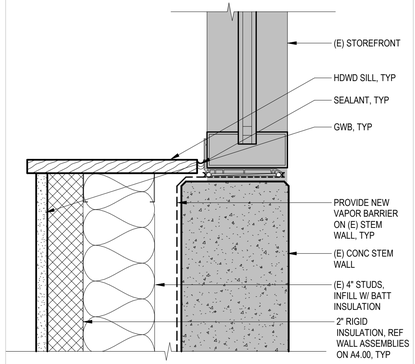
WALL SECTIONS

SHEET NO.

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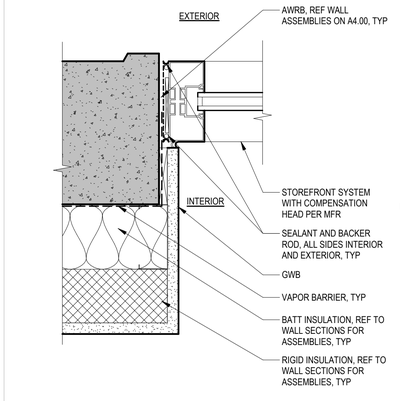
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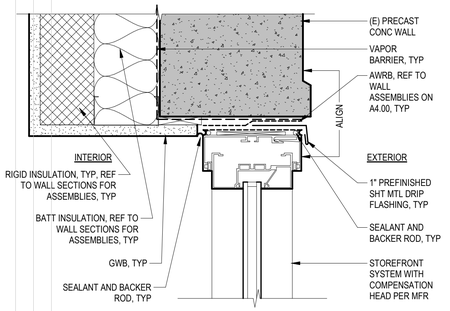
3 (E) Storefront Sill w/ New Insulation

3" = 1'-0"



4 Storefront Jamb @ New West Entry

3" = 1'-0"



5 Storefront Head @ New West Entry

3" = 1'-0"

9 Storefront Door Sill @ Concrete slab

3" = 1'-0"

SIM AT HM DOOR @ NORTH EGRESS

10 Storefront Sill at Concrete Slab

3" = 1'-0"

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SHEET TITLE

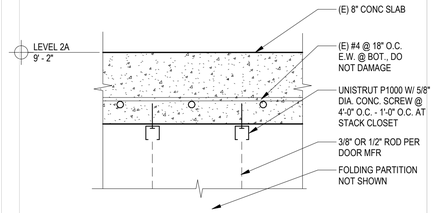
EXTERIOR DETAILS - WALLS & WINDOWS

SHEET NO.

A6.00

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5 **Operable Partition Anchorage**
1 1/2" = 1'-0"

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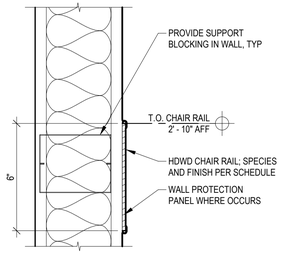
SHEET TITLE

INTERIOR DETAILS - CEILINGS

SHEET NO.

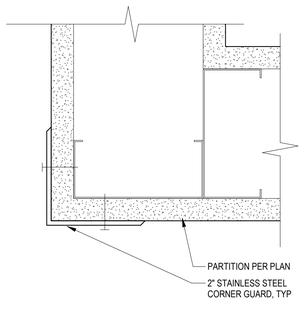
A7.00

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1 Chair Rail, Typ

3" = 1'-0"



2 Corner Guard, Typ

6" = 1'-0"

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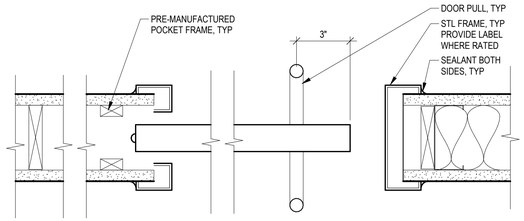
INTERIOR DETAILS - WALLS

SHEET NO.

A7.10

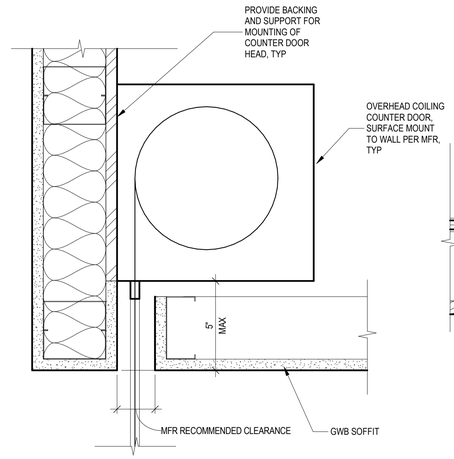
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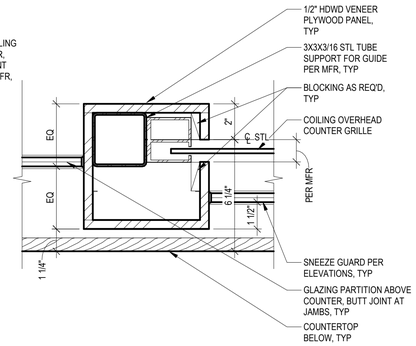
1 Pocket Door, Typ

3" = 1'-0"



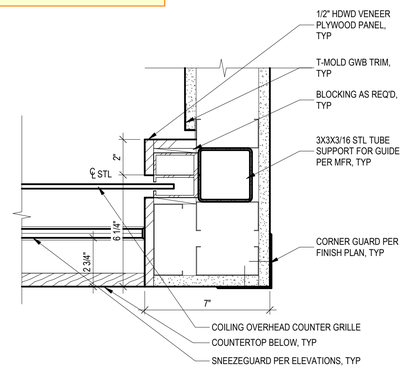
2 Coiling Overhead Grille Head

3" = 1'-0"



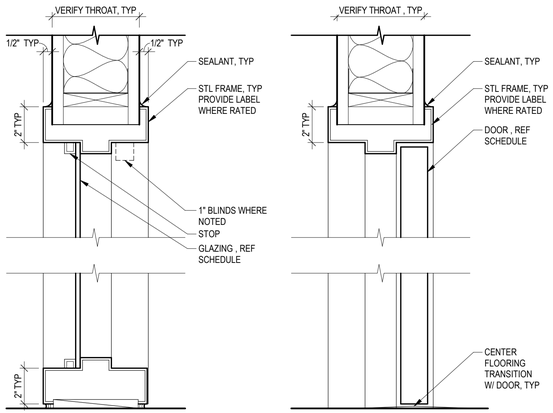
3 Coiling Overhead Grille Center Jamb

3" = 1'-0"



4 Coiling Overhead Grille Jamb

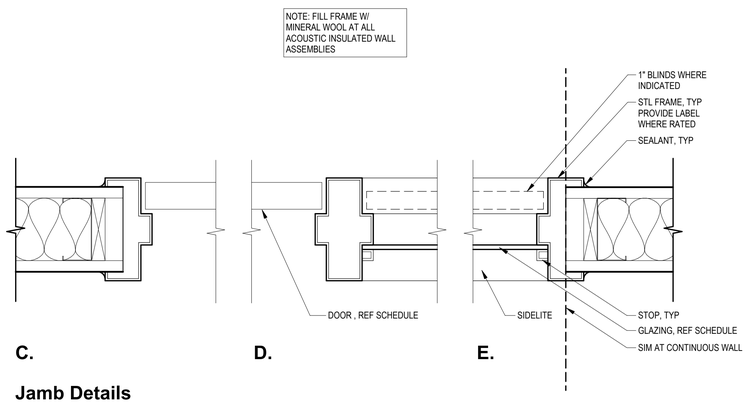
3" = 1'-0"



A. Relite, Head/Sill

B. Door, Head/Sill

NOTE: FILL FRAME W/
MINERAL WOOL AT ALL
ACOUSTIC INSULATED WALL
ASSEMBLIES



C. D. E.

Jamb Details

5 HM Door Frame, Typ

3" = 1'-0"

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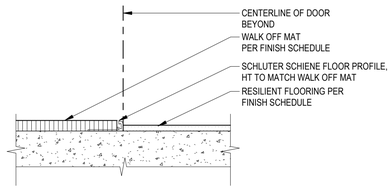
SHEET TITLE

INTERIOR DETAILS - RELITES & DOORS

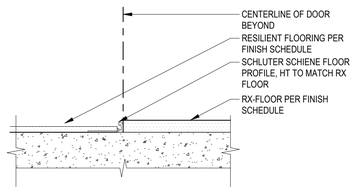
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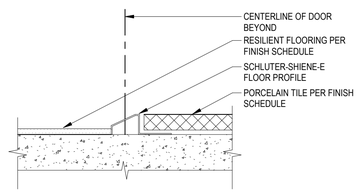
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A. Walk Off Mat to Resilient Floor



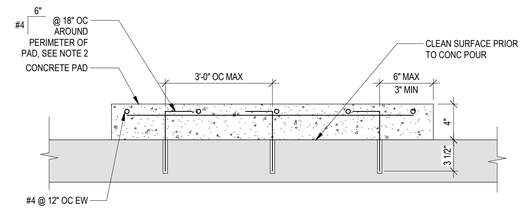
B. Resilient Floor to RX-Floor



C. Resilient Floor to Ceramic Tile

1 Flooring Transition Details

6" = 1'-0"



NOTES:
1. EQUIPMENT PAD SIZE TO BE 6" LARGER THAN EQUIPMENT IN EACH DIRECTION, UNLESS NOTED OTHERWISE. COORDINATE EXACT SIZE AND LOCATION OF CURB AND PADS WITH EQUIPMENT PROVIDED.
2. ATTACH REBAR TO SLAB AND ADHESIVE ANCHORING SYSTEM PER STRUCTURAL GENERAL NOTES.

2 Housekeeping Pad Detail

1 1/2" = 1'-0"

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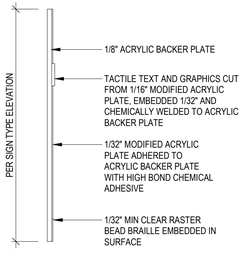
INTERIOR DETAILS - FLOORS

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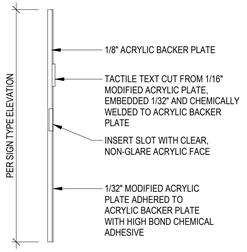
A7.30

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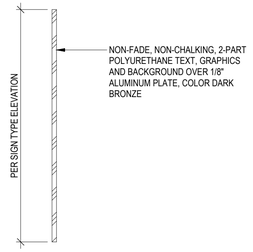
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1 **Sign Construction Type A**
6" = 1'-0"



2 **Sign Construction Type B**
6" = 1'-0"



3 **Sign Construction Type C**
6" = 1'-0"

Signage General Notes

1. MOUNT ROOM SIGNS WITH BOTTOM EDGE AT 4'-0" AFF.
2. MOUNT ROOM SIGNS WITH EDGE 2" FROM FRAME AT LATCH SIDE OF DOOR.
3. SEE FINISH PLAN FOR SIGN LOCATIONS.
4. PROVIDE MATCHING BLANK PANELS FOR SIGNS INSTALLED ON GLAZING.
5. ALL TEXT TO BE 'FRUITGER' FONT UNO.
6. EXACT PLACEMENT OF ALL SIGNS TO BE VERIFIED W/ OWNER AND ARCHITECT.
7. REFER TO SPECIFICATIONS FOR ADDITIONAL CODE SIGNAGE REQUIREMENTS.

SIGNAGE COLORS TO MATCH BENJAMIN MOORE COLOR NUMBERS INDICATED:
S1 2134-30 'IRON MOUNTAIN'
S2 RMI-74 'CHINA WHITE'
S3 XXXXX BLUE
S4 XXXXX ACCENT COLOR

Signage Legend

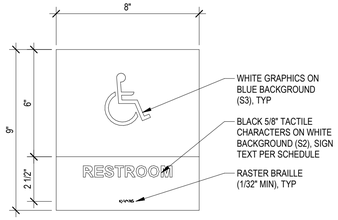
X — SIGNAGE MARK, REF FINISH PLANS FOR SIGN LOCATIONS; REF SIGNAGE SCHEDULE ON A2.75

Signage Key Notes

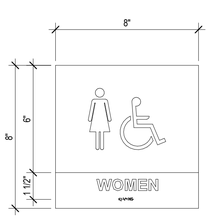
1. PROVIDE BLANK BACK PANEL TO MATCH
2. MAXIMUM OCCUPANCY SIGN TEXT:
   GYMNASIUM 115: 380
   STUDENT DINING 116: 413

MARK	SIGN TYPE	SIGN TEXT	KEY NOTES
	J		
102A	E	ELEVATOR	
103A	H	SPRINKLER RISER ROOM	
109A	A	UNISEX RESTROOM	
118A	A	UNISEX RESTROOM	
119A	G	MAX OCCUPANCY ___ PERSONS	137
119B	G	MAX OCCUPANCY ___ PERSONS	137
120A	A	UNISEX RESTROOM	
121A	A	UNISEX RESTROOM	
122A	A	UNISEX RESTROOM	
124A	J	JANITOR	
125A	F	IN CASE OF FIRE DO NOT USE ELEVATORS USE STAIRWAYS	
126A	J	ELECTRICAL ROOM	

Signage Types

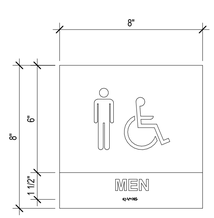


A CODE SIGNAGE
SIGN CONSTRUCTION TYPE A



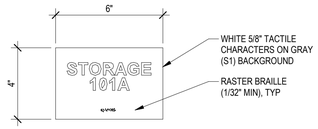
NOTE: SEE SIGNAGE TYPE A FOR CALLOUTS IN COMMON

C CODE SIGNAGE
SIGN CONSTRUCTION TYPE A

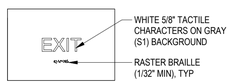


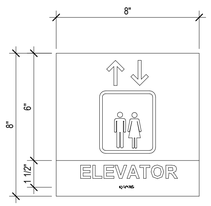
NOTE: SEE SIGNAGE TYPE A FOR CALLOUTS IN COMMON

D CODE SIGNAGE
SIGN CONSTRUCTION TYPE A



J ROOM IDENTIFICATION PLAQUE
SIGN CONSTRUCTION TYPE B





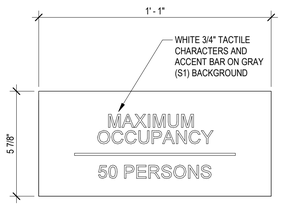
NOTE: SEE SIGNAGE TYPE A FOR CALLOUTS IN COMMON

E CODE SIGNAGE
SIGN CONSTRUCTION TYPE A

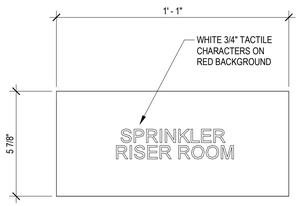


NOTE: SEE SIGNAGE TYPE A FOR CALLOUTS IN COMMON

F CODE SIGNAGE
SIGN CONSTRUCTION TYPE A



G CODE SIGNAGE
SIGN CONSTRUCTION TYPE A



H CODE SIGNAGE
SIGN CONSTRUCTION TYPE A

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SHEET TITLE

SIGNAGE

SHEET NO.

A9.00

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MECHANICAL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
A	COMPRESSED AIR		SUPPLY AIR-DUCT UP
F	FIRE MAIN/FIRE SPRINKLER PIPING		EXHAUST/RETURN AIR - DUCT UP
COND	CONDENSATE PIPING		OUTSIDE AIR DUCT UP
RG	REFRIGERANT GAS		SUPPLY AIR - DUCT DOWN
RL	REFRIGERANT LIQUID		EXHAUST/RETURN AIR - DUCT DOWN
	PIPE DOWN		OUTSIDE AIR DUCT DOWN
	PIPE UP		SOUNDLINED DUCT
	RELIEF VALVE		DUCT UP (ROUND)
	FLOAT VALVE		DUCT DOWN (ROUND)
	CIRCUIT SETTER	12/12 RR 300 CFM	AIR TERMINAL SIZE, TYPE & CFM
	SUCTION DIFFUSER	12/12 DL	DOOR LOUVER W/ SIZE
	TRIPLE DUTY VALVE		CEILING AIR TERMINAL - SQUARE
	2-WAY CONTROL VALVE		CEILING AIR TERMINAL - ROUND
	3-WAY CONTROL VALVE		FLEXIBLE DUCT
	4-WAY CONTROL VALVE		VOLUME DAMPER (VD)
	SOLENOID VALVE		MOTORIZED DAMPER
OR	BALANCING VALVE		FIRE DAMPER (FI.D.)
	REDUCER		FIRE/SMOKE DAMPER (CFSD) - COMBINATION
	STRAINER		SMOKE DAMPER (SD)
	UNION		BACKDRAFT DAMPER (BDD)
	PLUG VALVE		FLEXIBLE CONNECTION (DUCT)
	PETE'S PLUG		TURNING VANES (TV)
	FLOW STATION	T	ROOM TEMPERATURE SENSOR/THERMOSTAT
	FLOW CONTROL VALVE		EXPANSION JOINT
	FLEXIBLE CONNECTION (PIPE)		THERMOMETER
	AUTOMATIC OR MANUAL AIR VENT (AAV, MAV)		POINT OF CONNECTION
	VACUUM BREAKER		DEMOLITION SCOPE OF WORK
	PRESSURE GAUGE		

MECHANICAL SHEET LIST

SHEET NUMBER	SHEET NAME
M1.00	MECHANICAL GENERAL NOTES, ABBREVIATIONS AND LEGEND
M1.01	MECHANICAL SCHEDULES
M1.02	MECHANICAL SCHEDULES
M1.11	MECHANICAL DETAILS
M1.21	HVAC DEMOLITION PLAN - LEVEL 1
M2.01	MECHANICAL HVAC PLAN - LEVEL 1
M2.02	REFLECTED CEILING PLAN - LEVEL 1
M2.03	MECHANICAL ROOF LEVEL PLAN
M3.01	CONDENSATE PIPING PLAN - LEVEL 1
M4.01	REFRIGERANT PIPING DIAGRAM
P0.01	PLUMBING GENERAL NOTES AND ABBREVIATIONS
P0.02	PLUMBING LEGEND AND SCHEDULES
P0.03	PLUMBING SCHEDULES
P0.04	PLUMBING DETAILS
P1.01	PLUMBING FOUNDATION PLAN
P2.01	PLUMBING PLAN - LEVEL 1
P3.01	WASTE & VENT RISER DIAGRAM
P4.01	FIRE PROTECTION GENERAL NOTES AND DETAIL
P4.02	FIRE PROTECTION PLAN - LEVEL 1

MECHANICAL ABBREVIATIONS

Ø	DIAMETER, PHASE
A	AIR
ABV	ABOVE
AC	AIR CONDITIONING UNIT
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
ALUM	ALUMINUM
AMB	AMBIENT
APD	AIR PRESSURE DROP
APPROX	APPROXIMATE
ARCH	ARCHITECT
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR-CONDITIONING ENGINEERS, INC.
BDD	BACKDRAFT DAMPER
BHP	BRAKE HORSEPOWER
BLDG	BUILDING
BTUH	BRITISH THERMAL UNIT PER HOUR
CAP	CAPACITY
CD	CEILING DIFFUSER
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CL	CENTER LINE
CLG	CEILING
CO	CLEANOUT
COND	CONDENSATE PIPING
CONN	CONNECTION
COP	COEFFICIENT OF PERFORMANCE
CP	CONDENSATE PUMP
CU	CONDENSING UNIT, CUBIC
DB	DRY BULB
DIA	DIAMETER
DIAG	DIAGRAM
DIFF	DIFFERENTIAL
DIM	DIMENSION
DN	DOWN
DX	DIRECT EXPANSION
DWG	DRAWING
(E)	EXISTING
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
E.C.	ELECTRICAL CONTRACTOR
ECG	EGGCRATE GRILLE
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EFF	EFFICIENCY
EG	EXHAUST GRILLE
ELEC	ELECTRIC
ELEV	ELEVATION
EMCS	ENERGY MANAGEMENT CONTROL SYSTEM
ENT	ENTERING
EQUIP	EQUIPMENT
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
ETC	AND SO FORTH
EUH	ELECTRIC UNIT HEATER
EVAP	EVAPORATOR, EVAPORATIVE
EW	EYE WASH
EWH	ELECTRIC WATER HEATER
EWT	ENTERING WATER TEMPERATURE
EX	EXHAUST
EXT	EXTERIOR, EXTERNAL
°F	DEGREES FAHRENHEIT
FLA	FULL LOAD AMPS
FLR	FLOOR
FLEX	FLEXIBLE
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FEET, FINNED TUBE
G.C.	GENERAL CONTRACTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HP	HEAT PUMP, HORSEPOWER
HTR	HEATER
HVAC	HEATING, VENTILATION & AIR CONDITIONING
IN	INCH
KW	KILOWATT
L	LENGTH
LAT	LEAVING AIR TEMPERATURE
LF	LINEAR FEET
LL	REFRIGERANT LIQUID LINE
LRA	LOCKED ROTOR AMPS
LVG	LEAVING
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE
MAT	MIXED AIR TEMPERATURE
MAX	MAXIMUM
MBH	THOUSANDS OF BTUH
MCA	MINIMUM CIRCUIT AMPACITY
M.C.	MECHANICAL CONTRACTOR
MECH	MECHANICAL
MED	MEDIUM
MERV	MINIMUM EFFICIENCY REPORTING VALUE
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MOCP	MAXIMUM OVERCURRENT PROTECTION
MUA	MAKE-UP AIR
NC	NOISE CRITERIA, NORMALLY CLOSED
NO	NORMALLY OPEN
NO.	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OC	ON CENTER
OSA	OUTSIDE AIR
PD	PRESSURE DROP
PH	PHASE
POC	POINT OF CONNECTION
PSI	POUNDS PER SQUARE INCH
QTY	QUANTITY
RA	RETURN AIR
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REL	RELIEF
REQD	REQUIRED
RET	RETURN
RH	ROOF HOOD
RLA	RATED LOAD AMPS
SA	SUPPLY AIR
SCH	SCHEDULE
SG	SUPPLY GRILLE
SL	REFRIGERANT SUCTION LINE
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION, INC.
SPEC	SPECIFICATION
STD	STANDARD
SUP	SUPPLY
TG	TRANSFER GRILLE
TOP	TOP OF PIPE
TP	TOTAL PRESSURE
TSP	TOTAL STATIC PRESSURE
T'STAT	THERMOSTAT
TYP	TYPICAL
UH	UNIT HEATER
V	VOLTS
VAC	VACUUM
VAV	VARIABLE AIR VOLUME UNIT
VD	VOLUME DAMPER
VEL	VELOCITY
VENT	VENTILATION, VENTILATOR
VFD	VARIABLE FREQUENCY DRIVE
WB	WET BULB
WSEC	WASHINGTON STATE ENERGY CODE
WSFU	WATER SUPPLY FIXTURE UNIT

MECHANICAL GENERAL NOTES

1. STANDARD CURRENT TRADE PRACTICES & METHODS APPLY TO THIS PROJECT. ALL WORK IS TO MEET REQUIREMENTS OF ALL CURRENT CODE & LOCAL JURISDICTIONAL REQUIREMENTS AND AMENDMENTS. THESE CODES INCLUDE BUT ARE NOT LIMITED TO WASHINGTON STATE ENERGY CODE, INTERNATIONAL MECHANICAL CODE, INTERNATIONAL BUILDING CODE, UNIFORM PLUMBING CODE, NFPA, INTERNATIONAL FIRE CODE, & LOCAL JURISDICTIONAL REQUIREMENTS. COMPLY WITH ALL MANUFACTURER'S REQUIREMENTS. COORDINATE WITH OWNER'S REPRESENTATIVE FOR ANY VARIANCES.
2. DRAWINGS ARE DIAGRAMMATIC ONLY & NOT INTENDED TO SHOW ALL DETAILS OF THE WORK. VERIFY LOCATION & MEASUREMENTS OF ALL ITEMS ON THE JOB SITE PRIOR TO INSTALLATION. CONTRACTOR SHALL PROVIDE ALL OFFSETS & ADDITIONAL DUCTWORK & PIPING AS NECESSARY TO AVOID STRUCTURAL ELEMENTS ON THE PROJECT. CONTRACTOR SHALL PRODUCE SHOP DRAWINGS & COORDINATE WITH OTHER TRADES. THERE SHALL BE NO ADDITIONAL COST TO THE OWNER FOR THIS COORDINATION OR FOR EXTRA MATERIAL REQUIRED IN ORDER TO ACCOMPLISH THIS TASK.
3. PROVIDE COMPLETE & FULLY-OPERATING SYSTEMS.
4. COORDINATE LOCATIONS OF ALL EQUIPMENT & APPURTENANCES WITH OTHER TRADES.
5. ALL EQUIPMENT SHALL BE REGULARLY CATALOGED ITEMS OF THE MANUFACTURER & SHALL BE SUPPLIED AS A COMPLETE UNIT IN ACCORDANCE WITH THE MANUFACTURER'S STANDARD SPECIFICATIONS. ANY OPTIONAL ITEMS REQUIRED FOR PROPER INSTALLATION SHALL BE INCLUDED UNLESS OTHERWISE NOTED.
6. ANY CUTTING, PATCHING & PAINTING OF BUILDING ELEMENTS & FINISHED SURFACES IS TO BE DONE BY THE GENERAL CONTRACTOR.
7. ALL APPLIANCES DESIGNED TO BE FIXED IN POSITION SHALL BE SECURELY FASTENED IN PLACE.
8. ALL EQUIPMENT SHALL BE LABELED PER PLANS & THE REQUIREMENTS OF THE SPECIFICATIONS.
9. RATING OF ACCESS DOORS AND/OR ACCESS PANELS THROUGH FIRE-RATED WALLS, SHAFTS, CEILINGS, ETC., MUST EQUAL THE FIRE RATING OF THE MATERIAL PENETRATED.
10. CAULK & FLASH ALL PENETRATIONS PER CODE.
11. ADJUSTING & BALANCING: ADJUST EACH PART OF SYSTEM TO ENSURE PROPER FUNCTIONING OF ALL CONTROLS & SPECIFIED AIR DISTRIBUTION. LEAVE ENTIRE SYSTEM IN OPERATING CONDITION.
12. PROVIDE OPERATING & MAINTENANCE MANUALS (O&MS), RECORD DRAWINGS, & OWNER TRAINING PER SPECIFICATION.
13. PROVIDE NATIONAL ELECTRICAL CODE (NEC) MINIMUM WORKING CLEARANCE IN FRONT OF ANY ELECTRICAL PANEL, INCLUDING PANELS ON EQUIPMENT. RE-ROUTE OR OFFSET PIPING AND/OR DUCTWORK AS REQUIRED.
14. DOMESTIC HOT WATER CIRCULATORS SHALL BE CONTROLLED BY AN AQUASTAT, & SHALL SHUT DOWN WHEN WATER TEMPERATURE IS AT SETPOINT. DOMESTIC HOT WATER CIRCULATION SHALL HAVE SHUT-OFF CAPACITY BASED ON OCCUPANCY AND PERIODS OF DEMAND.
15. DOMESTIC PIPING SHALL BE INSULATED IN ACCORDANCE WITH THE WASHINGTON STATE ENERGY CODE. DOMESTIC HOT WATER PIPE INSULATION SHALL BE K=0.24, 1" THICK, EXCEPT RUNOUTS UP TO 12' SHALL BE 1/2"THICK. DOMESTIC COLD WATER PIPE INSULATION SHALL BE K=0.24, 1" THICK FOR PIPING LARGER THAN 1", & 1/2" THICK FOR PIPING 1" & LESS & RUNOUTS LESS THAN 2" DIAMETER UP TO 12'. INCREASE THICKNESS BY 1/2" FOR PIPING EXPOSED DIRECTLY TO OUTDOOR CONDITIONS.
16. SERVICE WATER PIPING INSULATION CONDUCTIVITY IS NOT TO EXCEED 0.27 BTU PER INCH/H*SQ.FT*DEGREE F. INSULATION THICKNESS SHALL BE PER TABLE C403.10.3.
17. PROTECT PIPING INSULATION PER REQUIREMENTS OF WSEC C403.10.3.1
18. PROVIDE COMMISSIONING OF THE HVAC SYSTEM. INCLUDE FUNCTIONAL TESTING SEQUENCE OF OPERATION & TEST PROCEDURES PER WASHINGTON STATE ENERGY CODE. SEE SPECIFICATIONS FOR SPECIFIC EQUIPMENT TESTING REQUIREMENTS. ITEMS TO BE COMMISSIONED ARE: CONTROL SYSTEMS, HEAT PUMPS, PUMPS, CONDENSING UNITS, DOAS AND WATER HEATERS. AIR AND PIPING SYSTEMS SHALL BE BALANCED SO AS TO FIRST MINIMIZE THROTTLING LOSSES, THEN ADJUSTED TO MEET DESIGN FLOW CONDITIONS. PROVIDE PRELIMINARY AND FINAL COMMISSIONING REPORTS. SUBMIT FIGURE C408.1.4.1 COMPLIANCE CHECKLIST FROM WASHINGTON STATE ENERGY CODE TO AUTHORITY HAVING JURISDICTION UPON COMPLETION OF PRELIMINARY COMMISSIONING REPORT. PROVIDE CLOSEOUT DOCUMENTS IN COMPLIANCE WITH C103.6
19. PROVIDE AIR SYSTEM BALANCING DEVICES, INCLUDING VOLUME DAMPERS, AND ZONE DAMPERS ON TERMINALS AS SHOWN ON PLANS. TEST AND BALANCE ALL SYSTEMS
20. PROVIDE WATER SYSTEM BALANCING DEVICES, INCLUDING ISOLATION VALVES, BALANCING VALVES, AND FLOW MEASURING DEVICES AS SHOWN ON PLANS.
21. EQUIPMENT, DIFFUSERS, & GRILLES SHALL BE COORDINATED WITH PLACEMENT OF LIGHT FIXTURES.
22. VENTILATION SHALL BE PROVIDED PER IMC CHAPTER 4. MECHANICALLY VENTILATED SYSTEMS SHALL BE CAPABLE OF REDUCING THE OUTDOOR AIR SUPPLY TO THE MINIMUM REQUIRED BY CHAPTER 4 OF THE IMC.
23. PROVIDE COMBINATION FIRE & SMOKE DAMPERS (CFSD) AND/OR FIRE DAMPERS WHERE REQUIRED BY CODE.
24. TEMPERATURE CONTROLS SHALL BE MINIMUM OF 7-DAY PROGRAMMABLE TYPE PROVIDING SETPOINT TEMPERATURES, NIGHT SETBACK, MANUAL OVERRIDE, & MINIMUM 5-DEGREE DEADBAND. CONTROLS SHALL ALLOW FOR OPTIMUM START.
25. SEAL & TEST ALL DUCTWORK AS REQUIRED PER IMC, WSEC C403.10.2 LEAKAGE REQUIREMENTS, & IBC VAPOR RETARDER REQUIREMENTS. DUCTWORK DESIGN PRESSURE IS 2"
26. ALL SHEET METAL DUCTWORK SHALL BE INSULATED IN ACCORDANCE WITH THE WASHINGTON STATE ENERGY CODE. CONCEALED DUCTWORK LOCATED WITHIN THE CONDITIONED SPACE SHALL BE INSULATED WITH A MINIMUM OF R-3.3. DUCTWORK LOCATED IN UNCONDITIONED SPACES SHALL BE INSULATED WITH A MINIMUM OF R-6. WHERE LOCATED OUTSIDE OF THE BUILDING (OUTDOORS AND EXPOSED TO WEATHER), DUCTWORK SHALL BE INSULATED WITH A MINIMUM OF R-8.
27. SOUND-LINE ALL SUPPLY, RETURN, OR EXHAUST DUCT WITHIN 10' OF FANS UNLESS NOTED OTHERWISE.
28. ALL SHEET METAL PRODUCTS SHALL COMPLY WITH SMACNA DUCT CONSTRUCTION STANDARDS, CURRENT EDITION.
29. ALL RECTANGULAR DUCTWORK SIZES SHOWN ARE GALVANIZED SHEET METAL UNLESS NOTED OTHERWISE. ROUND DUCT SHALL BE SHEET METAL. PROVIDE TURNING VANES IN ALL ROUND 2-PIECE AND RECTANGULAR 90 DEGREE ELBOWS.
30. ALL DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
31. WHERE FLEXIBLE DUCT IS SHOWN AT GRILLES, REGISTERS, AND DIFFUSERS, PROVIDE 6' MAXIMUM LENGTH OF FLEXIBLE DUCT.
32. PROVIDE FLEXIBLE CONNECTORS AT DUCT CONNECTIONS TO ALL AIR HANDLING EQUIPMENT.
33. SUPPORT FOR SUSPENDED EQUIPMENT SHALL INCLUDE APPURTENANCES AS NOTED IN ASHRAE AND REQUIRED IN CODE FOR SEISMIC/SWAY BRACING.
34. PROVIDE VOLUME DAMPERS AT ALL GRILLES, REGISTERS, & DIFFUSERS IN ADDITION TO OPPOSED BLADE DAMPERS.
35. MOTORIZED DAMPERS SHALL BE CLASS 1 AND HAVE A MAXIMUM LEAKAGE RATE OF 4 CFM/SQUARE FOOT AT 1.O" W.G.
36. DDC SYSTEM SHALL HAVE CONTROL POINTS AS REQUIRED FOR THE SEQUENCE OF OPERATIONS. SYSTEM SHALL TREND ALL POINTS AND UTILIZE A DEMAND RESPONSE TO ADJUST SETPOINT.
37. ALL COMPLEX SYSTEMS EQUIPPED WITH DDC SYSTEMS AND ALL BUILDINGS WITH TOTAL COOLING CAPACITY EXCEEDING 780,000 BTUH SHALL HAVE ALL INPUT AND OUTPUT POINTS ACCESSIBLE FOR TRENDING, AND SHALL INCLUDE A GRAPHIC TRENDING PACKAGE. SYSTEM SHALL INCLUDE DEMAND RESPONSE SETPOINT ADJUSTMENT AS NOTED IN WSEC C403.4.11.1
38. REFERENCE BUILDING HVAC LOAD CALCULATIONS FOR EQUIPMENT CAPACITIES. NO HUMIDIFICATION PROVIDED. NO SIMULTANEOUS HEATING/COOLING ALLOWED.
39. CONTROLS SHALL CLOSE ALL OSA DAMPERS WHEN EQUIPMENT IS NOT RUNNING IN COMPLIANCE WITH C403.7.8.4

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PHASE

PERMIT SET

DATE

11/2/22

REVISIONS

No.	Description	Date

SHEET TITLE

MECHANICAL GENERAL NOTES, ABBREVIATIONS AND LEGEND

SHEET NO.

M1.00

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Project Number

CITY MULTI VRF INDOOR UNIT SCHEDULE

UNIT NO.	SYSTEM TAG	MANUFACTURER	MODEL	AREA SERVED	CFM	ESP	TYPE	NOMINAL COOLING CAPACITY (BTUH)	NOMINAL HEATING CAPACITY (BTUH)	COOLING DESING ENTERING TEMP. DB/WB (°F)	HEATING DESIGN ENTERING TEMP. DB/WB (°F)	CORRECTED CAPACITY			ESTIMATED COOLING COIL LAT (°F)	ESTIMATED HEATING COIL LAT (°F)	REFRIGERANT PIPE DIM. LIQUID/SUCTION (INCH)	COND. DRAIN PIPE (IN)	SOUND PRESSURE PER FAN SPEED	VOLTAGE / PHASE	POWER COOLING 208V (KW)	POWER HEATING 208V (KW)	MCA/MFS	MOTOR NAMEPLATED HP	CONDENSATE REMOVAL RATE	WEIGHT (POUNDS)	NOTES
												COOLING TOTAL CAPACITY (BTUH)	COOLING SENSIBLE CAPACITY (BTUH)	HEATING CAPACITY (BTUH)													
FCU1-1	ODU-1	MITSUBISHI ELECTRIC TRANE HVAC US	TPKFYP015LM140A	LOBBY 101, STAIR 125	350		WALL MOUNTED	15,000	17,000	80/67	70	14,621.8	8,077.2	10,757.3	53.0	99.3	1/4 / 1/2	5/8"	29-34-37-40	208/1	0.04	0.03	0.24/15	0.05	0.61	28.4	1,2,3,4,5,6,7
FCU1-2	ODU-1	MITSUBISHI ELECTRIC TRANE HVAC US	TPKFYP012LM140A	WAITING 105	300		WALL MOUNTED	12,000	13,500	80/67	70	11,697.4	7,963.3	8,542.5	53.7	97.6	1/4 / 1/2	5/8"	24-31-37-41	208/1	0.04	0.03	0.24/15	0.05	0.59	24.5	1,2,3,4,5,6,7
FCU1-3	ODU-1	MITSUBISHI ELECTRIC TRANE HVAC US	TPKFYP030KM142A	JAN. 124, RESTROOMS 120, 121, 122, 123, HALLS 136, 137	910		WALL MOUNTED	30,000	34,000	80/67	70	29,243.5	21,779.9	21,514.5	56.8	92.5	3/8 / 5/8	5/8"	43-49	208/1	0.07	0.07	0.63/15	0.09	0.97	46	1,2,3,4,5,6,7
FCU1-4	ODU-1	MITSUBISHI ELECTRIC TRANE HVAC US	TPKFYP024KM142A	SMALL MEETING 106	910		WALL MOUNTED	24,000	27,000	80/67	70	23,394.8	19,378.6	17,085.1	59.3	87.9	3/8 / 5/8	5/8"	39-49	208/1	0.07	0.07	0.63/15	0.09	0.53	46	1,2,3,4,5,6,7
FCU1-5	ODU-1	MITSUBISHI ELECTRIC TRANE HVAC US	TPKFYP008LM140A	IT 117	235		WALL MOUNTED	8,000	9,000	80/67	70	7,798.3	5,482.5	5,695.0	57.3	93.1	1/4 / 1/2	5/8"	22-27-31-35	208/1	0.03	0.02	0.24/15	0.040	0.38	24.5	1,2,3,4,5,6,7
FCU1-6	ODU-1	MITSUBISHI ELECTRIC TRANE HVAC US	TPKFYP012LM140A	KITCHENETTE 116	295		WALL MOUNTED	12,000	13,500	80/67	70	11,697.4	7,963.3	8,542.5	53.7	97.6	1/4 / 1/2	5/8"	24-31-37-41	208/1	0.04	0.03	0.24/15	0.03	0.59	24.5	1,2,3,4,5,6,7
FCU1-7A	ODU-1	MITSUBISHI ELECTRIC TRANE HVAC US	TPKFYP030KM142A	LARGE MEETING 119	910		WALL MOUNTED	30,000	34,000	80/67	70	29,243.5	21,779.9	21,514.5	56.8	92.5	3/8 / 5/8	5/8"	43-49	208/1	0.07	0.07	0.63/15	0.09	0.97	46	1,2,3,4,5,6,7
FCU1-7B	ODU-1	MITSUBISHI ELECTRIC TRANE HVAC US	TPKFYP030KM142A	LARGE MEETING 119	910		WALL MOUNTED	30,000	34,000	80/67	70	29,243.5	21,779.9	21,514.5	56.8	92.5	3/8 / 5/8	5/8"	43-49	208/1	0.07	0.07	0.63/15	0.09	0.97	46	1,2,3,4,5,6,7
FCU1-8A	ODU-1	MITSUBISHI ELECTRIC TRANE HVAC US	TPKFYP030KM142A	LARGE MEETING 119	910		WALL MOUNTED	30,000	34,000	80/67	70	29,243.5	21,779.9	21,514.5	56.8	92.5	3/8 / 5/8	5/8"	39-49	208/1	0.07	0.07	0.63/15	0.09	0.97	46	1,2,3,4,5,6,7
FCU1-8B	ODU-1	MITSUBISHI ELECTRIC TRANE HVAC US	TPKFYP030KM142A	LARGE MEETING 119	910		WALL MOUNTED	30,000	34,000	80/67	70	29,243.5	21,779.9	21,514.5	56.8	92.5	3/8 / 5/8	5/8"	39-49	208/1	0.07	0.07	0.63/15	0.09	0.97	46	1,2,3,4,5,6,7,8
FCU1-9	ODU-1	MITSUBISHI ELECTRIC TRANE HVAC US	TPKFYP030KM142A	HALL 139	910		WALL MOUNTED	30,000	34,000	80/67	70	29,243.5	21,779.9	21,514.5	56.8	92.5	3/8 / 5/8	5/8"	43-49	208/1	0.07	0.07	0.63/15	0.09	0.97	46	1,2,3,4,5,6,7
FCU1-10	ODU-1	MITSUBISHI ELECTRIC TRANE HVAC US	TPLFYP005FM140A	MANAGER OFFICE 110	280		CEILING CASSETTE	5.000	5,600	80/67	70	4,873.9	4,336.4	3,543.6	64.8	82.2	1/4 / 1/2	1-1/4"	26-28-30	208/1	0.02	0.02	0.24/15	0.027	0.09	28.9	1,2,3,4,5,6,7
FCU1-11	ODU-1	MITSUBISHI ELECTRIC TRANE HVAC US	TPEFYP024MA144A	CENTRAL FILL 113 CALL CENTER 114, STORAGE 115	880	0.6	CEILING CONCEALED	24,000	27,000	80/67	70	23,394.8	18,980.9	17,085.1	59.0	88.6	3/8 / 5/8	1-1/4"	31-35-39	208/1	0.142	0.14	2.88/15	0.19	0.82	67	1,2,3,4,5,6,7,8
FCU1-12	ODU-1	MITSUBISHI ELECTRIC TRANE HVAC US	TPEFYP048MA144A	RESTROOM 109, PHARMACY 112	1300	0.6	CEILING CONCEALED	48,000	54,000	80/67	70	46,789.6	32,186.3	34,170.1	56.5	94.5	3/8 / 5/8	1-1/4"	40-46	208/1	0.620	0.60	4.16/15	0.32	1.87	86	1,2,3,4,5,6,7,8
FCU1-13	ODU-1	MITSUBISHI ELECTRIC TRANE HVAC US	TPEFYP036MA144A	PHARMACY WAITING 107, CONSULT 111	1270	0.6	CEILING CONCEALED	36,000	40,000	80/67	70	35,092.2	28,038.0	25,311.2	58.4	89.1	3/8 / 5/8	1-1/4"	35-39-43	208/1	0.222	0.22	4.25/15	0.30	0.92	84	1,2,3,4,5,6,7,8
FCU1-14	ODU-1	MITSUBISHI ELECTRIC TRANE HVAC US	TPKFYP004LM140A	OFFICE 130	145		WALL MOUNTED	4,000	4,500	80/67	70	3,899.1	2,861.7	2,847.5	61.1	88.5	1/4 / 1/2	5/8"	22-24-26-28	208/1	0.02	0.01	0.24/15	0.03	0.10	23.6	1,2,3,4,5,6,7
FCU1-15	ODU-1	MITSUBISHI ELECTRIC TRANE HVAC US	TPKFYP004LM140A	OFFICE 127	145		WALL MOUNTED	4,000	4,500	80/67	70	3,899.1	2,861.7	2,847.5	61.1	88.5	1/4 / 1/2	5/8"	22-24-26-28	208/1	0.02	0.01	0.24/15	0.03	0.10	23.6	1,2,3,4,5,6,7
FCU1-16	ODU-1	MITSUBISHI ELECTRIC TRANE HVAC US	TPKFYP004LM140A	OFFICE 128	145		WALL MOUNTED	4,000	4,500	80/67	70	3,899.1	2,861.7	2,847.5	61.1	88.5	1/4 / 1/2	5/8"	22-24-26-28	208/1	0.02	0.01	0.24/15	0.03	0.10	23.6	1,2,3,4,5,6,7
FCU1-17	ODU-1	MITSUBISHI ELECTRIC TRANE HVAC US	TPKFYP004LM140A	OFFICE 129	145		WALL MOUNTED	4,000	4,500	80/67	70	3,899.1	2,861.7	2,847.5	61.1	88.5	1/4 / 1/2	5/8"	22-24-26-28	208/1	0.02	0.01	0.24/15	0.03	0.10	23.6	1,2,3,4,5,6,7

1. NOMINAL COOLING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 80/67 °F (DB/WB), OUTDOOR OF 95 °F (DB)
2. NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70 °F (DB), OUTDOOR OF 43 °F (WB)
3. SEE OUTDOOR UNIT SCHEDULE FOR OUTDOOR AMBIENT CONDITIONS, CONNECTED CAPACITY, AND OTHER FACTORS ASSOCIATED WITH CORRECTED CAPACITIES.
4. SEE SCHEMATIC PIPING /CONTROL DIAGRAM FOR INDICATION OF REQUIRED INDOOR UNIT REMOTE CONTROLLERS, SYSTEM CONTROLLERS, AND INTEGRATION DEVICES.
5. PROVIDE WITH INTERNAL CONDENSATE PUMP
6. CORRECTED CAPACITY COOLING OUTDOOR DB 82°, HEATING OUTDOOR 29°.
7. MODULATE SUPPLY AIR BASED ON MECHANICAL LOAD
8. PROVIDE WITH FILTER BOX.

CITY MULTI VRF OUTDOOR UNIT SCHEDULE

Mark	MANUFACTURER	MODEL	MODULES	NOMINAL COOLING CAPACITY (BTUH)	NOMINAL HEATING CAPACITY (BTUH)	COOLING EFFICIENCY IEER/EER	HEATING COP @ 47° F HSPF	NOM SYSTEM CONNECTED CAPACITY (% OF NOM)	DESIGN COOLING OUTDOOR TEMP DB (°F)	DESIGN HEATING OUTDOOR TEMP WB (°F)	REFRIGERANT PIPE DIM HIGH/LOW PRESSURE (INCH)	CORRECTED COOLING TOTAL CAPACITY (BTUH)	CORRECTED HEATING CAPACITY (BTUH)	SOUND PRESSURE (dBA)	PRELIMINARY ADDED FIELD CHARGE (SEE NOTE 5)	ELECTRICAL PER MODULE				WEIGHT (POUNDS)	NOTES
																VOLTAGE / PHASE	MCA	RFS	MOCP		
ODU-1	MITSUBISHI ELECTRIC TRANE HVAC US	TURYE336BN40AN	P166, P168	336,000	378,000	21.25/10.5	3.255	113.1%	86	17.3	1-1/8 / 1-5/8	311,843.0	271,209.4	65.5/69.5	96.1	208/3	57/57	70/70	90/90	1554	1,2,3,4,5

1. NOMINAL COOLING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 80/67° F (DB/WB), OUTDOOR OF 95° F (DB)
2. NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70° F (DB), OUTDOOR OF 43° F (WB)
3. EFFICIENCY VALUES FOR EER, IEER, COP ARE BASED ON AHRI 1230 TEST METHOD FOR MIXTURE OF DUCTED & NON-DUCTED INDOOR UNITS.
4. FOR SYSTEMS WITH MULTIPLE MODULES, REFRIGERANT PIPE DIMENSIONS INDICATED TOTAL SYSTEM COMBINED PIPING DOWNSTREAM OF MODULE TWINNING.
5. ADDED FIELD CHARGE LISTED IS IN ADDITION TO FACTORY CHARGE, THIS MUST BE UPDATED BASED UPON FINAL AS-BUILT PIPING LAYOUT.

ENERGY RECOVERY UNIT SCHEDULE

Mark	MANUFACTURER	MODEL	SUPPLY FAN				EXHAUST FAN				EXCHANGE EFFICIENCY			ELECTRICAL CONNECTION			SOUND LEVEL dBA	WEIGHT (POUNDS)	NOTES
			CFM	ESP	KW	HP	CFM	ESP	KW	HP	TEMPERATURE	ENTHALPY COOLING %	ENTHALPY HEATING %	VOLT/PH	MCA	MOCP			
ERV1-1	MITSUBISHI ELECTRIC TRANE HVAC US	TLGHF0470RVX02A	470	1	0.425	0.57	470	1	0.425	0.57	69-73-7.5-84.5	51.0-57.0-64.0-72.0	64.0-69.0-75.0-83.0	208/1	5.1	15	40.0-34.0-26.0-20.0	110	1,2
ERV1-2	MITSUBISHI ELECTRIC TRANE HVAC US	TLGHF0380RVX02A	600	0.86	0.515	0.68	600	0.86	0.515	0.68	67-73-76.5-81	50.0-56.5-64.5-71.0	64.0-68.5-74.5-80.0	208/1	5.2	15	41.0-35.0-27.0-20.0	123	1,2
ERV1-3	MITSUBISHI ELECTRIC TRANE HVAC US	TLGHF0600RVX02A	350	0.86	0.34	0.46	350	0.86	0.34	0.46	65-69.5-75-82	49.0-53.5-60.0-68.0	61.0-65.5-71.0-78.0	208/1	3.9	15	38.0-31.0-24.0-19.0	90	1,2
ERV1-4	MITSUBISHI ELECTRIC TRANE HVAC US	TLGHF0600RVX02A	600	0.86	0.515	0.68	600	0.86	0.515	0.68	67-73-76.5-81	50.0-56.5-64.5-71.0	64.0-68.5-74.5-80.0	208/1	5.2	15	41.0-35.0-27.0-20.0	123	1,2
ERV1-5	MITSUBISHI ELECTRIC TRANE HVAC US	TLGHF0380RVX02A	380	0.86	0.34	0.46	360	0.86	0.34	0.46	65-69.5-75-82	49.0-53.5-60.0-68.0	61.0-65.5-71.0-78.0	208/1	3.9	15	38.0-31.0-24.0-19.0	90	1,2
ERV1-6	MITSUBISHI ELECTRIC TRANE HVAC US	TLGHF0600RVX02A	600	0.86	0.515	0.68	600	0.86	0.515	0.68	67-73-76.5-81	50.0-56.5-64.5-71.0	64.0-68.5-74.5-80.0	208/1	5.2	15	41.0-35.0-27.0-20.0	123	1,2
ERV1-7	MITSUBISHI ELECTRIC TRANE HVAC US	TLGHF0600RVX02A	600	0.86	0.515	0.68	600	0.86	0.515	0.68	67-73-76.5-81	50.0-56.5-64.5-71.0	64.0-68.5-74.5-80.0	208/1	5.2	15	41.0-35.0-27.0-20.0	123	1,2

1. PROVIDE WITH MERV. 13 FILTERHEATER SHALL BE DISABLED AND DAT SHALL BE LIMITED TO 60°F.
2. PROVIDE FAN SPEED CONTROLS.

VRF HEAT RECOVERY BRANCH CIRCUIT CONTROLLER SCHEDULE

UNIT NO.	MANUFACTURER	MODEL	TYPE (DOUBLE MAIN/SUB)	NUMBERE OF PORTS	CONNECT CAPACITY TO BC	VOLT/PH	POWER COOLING 208V (KW)	POWER HEATING 208V (KW)	COND. DRAIN PIPE (IN)	OPERATING WEIGHT (LBS)	NOTES
BC1-1	MITSUBISHI ELECTRIC TRANE HVAC US	TCMBM1016KA11N4	MAIN	16	356,000	208/1	0.258	0.137	3/4"	153	1
BC1-2	MITSUBISHI ELECTRIC TRANE HVAC US	TCMBS0104KB11N4	SUB	4	16,000	208/1	0.61	0.03	3/4"	51	1,2

1. INCLUDE DIAMONDBACK BALL VALVES BV-SEREIES, 700 PSIG WORKING PRESSURE, FULL PORT, 410A RATED.
2. PROVIDE BLUE DIAMOND MAXIBLUE CONDENSATE PUMP WITH RESEVOIR & SENSOR - 208V

DUCT HEATER SCHEDULE

UNIT NO	MANUFACTURER	MODEL	AREA SERVED	DUCT DIMENSIONS (INSIDE)		ELECTRIC SUPPLY		NOTES
				W (WIDTH)	H (HEIGHT)	KW	VOLT/PH	
DH1-1	GREENHECK	IDHE	ERV1-1	12	8	3	208/3	1,2,3
DH1-2	GREENHECK	IDHE	ERV1-2	16	8	3.5	208/3	1,2,3
DH1-3	GREENHECK	IDHE	ERV1-3	10	8	2	208/3	1,2,3
DH1-4	GREENHECK	IDHE	ERV1-4	12	10	3.5	208/3	1,2,3
DH1-5	GREENHECK	IDHE	ERV1-5	10	8	2	208/3	1,2,3
DH1-6	GREENHECK	IDHE	ERV1-6	12	10	3.5	208/3	1,2,3
DH1-7	GREENHECK	IDHE	ERV1-7	12	10	3.5	208/3	1,2,3

1. PROVIDE DUCT HEATERS WITH FACTORY 24 VOLT FAN RELAY INTERLOCK. CONTROL CONTRACTOR SHALL MOUNT AND WIRE THE FACTORY FAN RELAY INTERLOCK.
2. FACTORY CONTROLS SET LAT @ 65°.
3. PROVIDE WITH SCR CONTROL.

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MECHANICAL SCHEDULES

SHEET NO.

M1.01

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Project Number

AIR TERMINAL SCHEDULE

SYMBOL	AIR TERMINAL - SIZES AS NOTED ON PLANS
CD-*	CEILING DIFFUSER: TITUS MODEL TDCA ADJUSTABLE DIFFUSER FOR INSTALLATION IN T-BAR CEILINGS. PROVIDE 24x12 OR 24x24 PANS AS REQUIRED TO SUIT CEILING PANELS. MANUFACTURER'S STANDARD OFF-WHITE FINISH. INCLUDE OPPOSED-BLADE VOLUME DAMPER. "*" INDICATES THROW PATTERN.
CDH-*	CEILING DIFFUSER: TITUS MODEL TDCA ADJUSTABLE DIFFUSER FOR HARD CEILING APPLICATION. FURNISH WITH STANDARD FLANGE FRAME. MANUFACTURER'S STANDARD OFF-WHITE FINISH. INCLUDE OPPOSED-BLADE VOLUME DAMPER. "*" INDICATES THROW PATTERN.
CEG	CEILING EXHAUST GRILLE: TITUS MODEL 50-F FOR INSTALLATION IN T-BAR CEILINGS. PROVIDE 24x12 OR 24x24 PANS AS REQUIRED TO SUIT CEILING PANELS. MANUFACTURER'S STANDARD OFF-WHITE FINISH. PAINT DUCT MATTE BLACK BEHIND GRILLE.
CEGH	CEILING EXHAUST GRILLE: TITUS MODEL 50-F 1/2"x1/2"x1/2" EGGCRATE GRILLE FOR INSTALLATION IN HARD CEILINGS. MANUFACTURER'S STANDARD OFF-WHITE FINISH. PAINT DUCT MATTE BLACK BEHIND GRILLE.
CRG	CEILING RELIEF GRILLE: TITUS MODEL 50-F 1/2"x1/2"x1/2" EGGCRATE GRILLE FOR INSTALLATION IN T-BAR CEILINGS. PROVIDE 12x24 OR 24x24 PANS AS REQUIRED TO SUIT CEILING PANELS. MANUFACTURER'S STANDARD OFF-WHITE FINISH. PAINT DUCT MATTE BLACK BEHIND GRILLE.
CRGH	CEILING RELIEF GRILLE: TITUS MODEL 50-F 1/2"x1/2"x1/2" EGGCRATE GRILLE FOR INSTALLATION IN HARD CEILINGS. MANUFACTURER'S STANDARD OFF-WHITE FINISH. PAINT DUCT MATTE BLACK BEHIND GRILLE.
CRR	CEILING RETURN REGISTER: TITUS MODEL 50-F 1/2"x1/2"x1/2" EGGCRATE GRILLE FOR INSTALLATION IN T-BAR CEILINGS. PROVIDE 12x24 OR 24x24 PANS AS REQUIRED TO SUIT CEILING PANELS. MANUFACTURER'S STANDARD OFF-WHITE FINISH. INCLUDE OPPOSED-BLADE VOLUME DAMPER. PAINT DUCT MATTE BLACK BEHIND GRILLE.
CRRH	CEILING RETURN REGISTER: SHALL BE TITUS MODEL 50-F 1/2"x1/2"x1/2" EGGCRATE GRILLE FOR INSTALLATION IN HARD CEILINGS. MANUFACTURER'S STANDARD OFF-WHITE FINISH. INCLUDE OPPOSED-BLADE VOLUME DAMPER. PAINT DUCT MATTE BLACK BEHIND GRILLE.
WRG	WALL EXHAUST GRILLE: TITUS 350RL STEEL GRILLE WITH 35°-DEFLECTION LOUVERS SPACED 3/4". MANUFACTURER'S STANDARD OFF-WHITE FINISH. INCLUDE OPPOSED-BLADE VOLUME DAMPER.
RD	ROUND SUPPLY DIFFUSER: TITUS MODEL TMRA-AA, ALUMINUM, TRIPLE ROUND CONE CENTER, WITH TWO HORIZONTAL ADJUSTMENT SETTINGS. MANUFACTURER'S STANDARD OFF-WHITE FINISH.
SR	SUPPLY REGISTER: TITUS MODEL 300FS FOR INSTALLATION ON EXPOSED DUCTWORK OR WALL, 3/4" BLADE SPACING, DOUBLE DEFLECTION, INDIVIDUALLY ADJUSTABLE BLADES, FRONT BLADES PARALLEL TO SHORT DIMENSION. INCLUDE OPPOSED BLADE VOLUME DAMPER. MANUFACTURER'S STANDARD OFF-WHITE FINISH.
SFG	SOFFIT GRILLE: TITUS MODEL 350RL-SS FOR INSTALLATION ON OUTDOOR CORROSIVE ENVIRONMENTS. 3/4" BLADE SPACING, 45° FIXED DEFLECTION, FRONT BLADES PARALLEL TO LONG DIMENSION. MANUFACTURER'S STANDARD OFF-WHITE FINISH.
TG	TRANSFER GRILLE: TITUS MODEL 50-F 1/2"x1/2"x1/2" EGGCRATE GRILLE FOR INSTALLATION IN T-BAR CEILINGS. PROVIDE 12x24 OR 24x24 PANS AS REQUIRED TO SUIT CEILING PANELS. MANUFACTURER'S STANDARD OFF-WHITE FINISH. PAINT DUCT MATTE BLACK BEHIND GRILLE.
TGH	TRANSFER GRILLE: TITUS MODEL 50-F 1/2"x1/2"x1/2" EGGCRATE GRILLE FOR HARD CEILINGS. MANUFACTURER'S STANDARD OFF-WHITE FINISH. PAINT DUCT MATTE BLACK BEHIND GRILLE.
WEG	WALL EXHAUST GRILLE: TITUS 350RL STEEL GRILLE WITH 35°-DEFLECTION LOUVERS SPACED 3/4". MANUFACTURER'S STANDARD OFF-WHITE FINISH. INCLUDE OPPOSED-BLADE VOLUME DAMPER.
WTG	WALL TRANSFER GRILLE: TITUS MODEL 350RL, WITH HORIZONTAL 35°-DEFLECTION BLADES SPACED 3/4". MANUFACTURER'S STANDARD OFF-WHITE FINISH. PAINT DUCT MATTE BLACK BEHIND GRILLE. TURN BLADES UP.
WPL	WEATHERPROOF LOUVER: GREENHECK MODEL EVH-501 WIND-DRIVEN RAIN LOUVER. FRAME SHALL BE HEAVY GAUGE EXTRUDED 6005-T5 ALUMINUM, 5"x0.081", NOMINAL WALL THICKNESS. BLADES SHALL BE VERTICAL RAIN RESISTANT STYLE, HEAVY GAUGE EXTRUDED 6063-T5 ALUMINUM 0.060" POSITIONED ON APPROXIMATELY 1.5" SPACING. PROVIDE 3/4"x0.051" FLATTENED EXPANDED ALUMINUM BIRD SCREEN IN REMOVABLE FRAME INSIDE MOUNT. MILL FINISH. FINAL COLOR PAINT TO MATCH WALL.

TABLE C403.10.1.1 OUTDOOR AIR DUCTWORK INSULATION

DUCT SYSTEM	DUCT LOCATION AND USE	CLIMATE ZONE	AIR FLOW	MINIMUM INSTALLED DUCT INSULATION R-VALUE a, b	NOTES
OUTDOOR AIR	INSIDE CONDITIONED SPACE AND UPSTREAM OF AUTOMATIC SHUTOFF DAMPER	4C AND 5B	≥ 2800 CFM	R-16	SEE SECTION C403.10.1.1 FOR ADDITIONAL REQUIREMENTS
OUTDOOR AIR	INSIDE CONDITIONED SPACE AND UPSTREAM OF AUTOMATIC SHUTOFF DAMPER TO HVAC UNIT OR ROOM	4C	≥ 2800 CFM	R-8	
OUTDOOR AIR	INSIDE CONDITIONED SPACE AND UPSTREAM OF AUTOMATIC SHUTOFF DAMPER	5B	≥ 2800 CFM	R-12	
OUTDOOR AIR	INSIDE CONDITIONED SPACE	4C AND 5B	≤ 2800 CFM	R-7	SEE EXCEPTION 1 TO SECTION C403.10.1.1 FOR ADDITIONAL DETAILS

TABLE C403.10.1.2
SUPPLY, RETURN, EXHAUST AND RELIEF AIR DUCTWORK INSULATION

DUCT SYSTEM	DUCT LOCATION AND USE	CLIMATE ZONE	MINIMUM INSTALLED DUCT INSULATION R-VALUE a, b	NOTES
SUPPLY AIR OR RETURN AIR	OUTSIDE THE BUILDING (OUTDOORS AND EXPOSED TO WEATHER) c	4C	R-8	SEE SECTION C403.10.1.2 FOR DETAILS
SUPPLY AIR OR RETURN AIR	OUTSIDE THE BUILDING (OUTDOORS AND EXPOSED TO WEATHER) c	5B	R-12	SEE SECTION C403.10.1.2 FOR DETAILS
SUPPLY AIR OR RETURN AIR	UNCONDITIONED SPACE (ENCLOSED BUT NOT IN THE BUILDING CONDITIONED ENVELOP)	4C AND 5B	R-6	SEE SECTION C403.10.1.2 FOR DETAILS
SUPPLY AIR OR RETURN AIR	UNCONDITIONED SPACE WHERE THE DUCT CONVEYS AIR THAT IS WITHIN 15° F OF THE AIR TEMPERATURE OF THE SURROUNDING UNCONDITIONED SPACE	4C AND 5B	R-3.3	SEE IMC SECTION 603.12 FOR ADDITIONAL REQUIREMENTS FOR CONDENSATION CONTROL AT DUCTWORK
SUPPLY AIR OR RETURN AIR	WHERE LOCATED IN A BUILDING ENVELOPE ASSEMBLY	4C AND 5B	R-16	DUCT OR PLENUM IS SEPARATED FROM BUILDING ENVELOPE ASSEMBLY WITH THE MINIMUM INSULATION VALUE
SUPPLY AIR	WITHIN CONDITIONED SPACE WHERE THE SUPPLY DUCT CONVEYS AIR THAT IS LESS THAN 55° F OR GREATER THAN 105° F	4C AND 5B	R-3.3	SEE SECTION C403.10.1.2 FOR DETAILS
SUPPLY AIR	WITHIN CONDITIONED SPACE THAT THE DUCT DIRECTLY SERVES WHERE THE SUPPLY DUCT CONVEYS AIR THAT IS LESS THAN 55° F OR GREATER THAN 105° F	4C AND 5B	NONE	SEE SECTION C403.10.1.2 FOR DETAILS
SUPPLY AIR	WITHIN CONDITIONED SPACE WHERE THE SUPPLY DUCT CONVEYS AIR THAT IS LESS THAN 55° F OR GREATER THAN 105° F OR LESS	4C AND 5B	NONE	
RETURN OR EXHAUST AIR	WITHIN CONDITIONED SPACE DOWNSTREAM OF AN ENERGY RECOVERY MEDIA, UPSTREAM OF AN AUTOMATIC SHUTOFF DAMPER	4C	R-8	
RETURN OR EXHAUST AIR	WITHIN CONDITIONED SPACE DOWNSTREAM OF AN ENERGY RECOVERY MEDIA, UPSTREAM OF AN AUTOMATIC SHUTOFF DAMPER	5B	R-12	
RETURN OR EXHAUST AIR	CONDITIONED SPACE DOWNSTREAM OF AN AUTOMATIC SHUTOFF DAMPER	4C AND 5B	R-16	

a. INSULATION R-VALUES, MEASURED IN h.ft2.° F/Btu. ARE FOR THE INSULATION AS INSTALLED AND DO NOT INCLUDE FILM RESISTANCE. THE REQUIRED MINIMUM THICKNESS DO NOT CONSIDER WATER VAPOR TRANSMISSION AND POSSIBLE SURFACE CONDENSATION. INSULATION RESISTANCE MEASURED ON A HORIZONTAL PLANE IN ACCORDANCE WITH ASTM C518 AT A MEAN TEMPERATURE OF 75° F AT THE INSTALLED THICKNESS.
b. SEE INTERNATIONAL MECHANICAL CODE SECTIONS 603.12 AND 604 FOR FURTHER DETAILS ON DUCT INSULATION REQUIREMENTS.
c. INCLUDES ATTICS ABOVE INSULATED CEILINGS. PARKING GARAGES AND CRAWL SPACES.

PRCTI20221714

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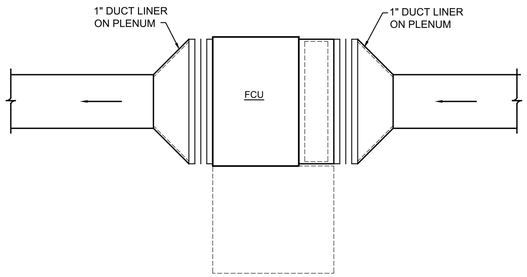
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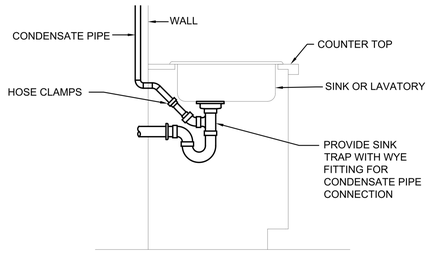
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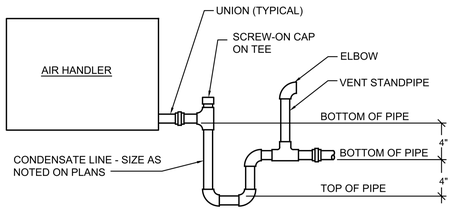
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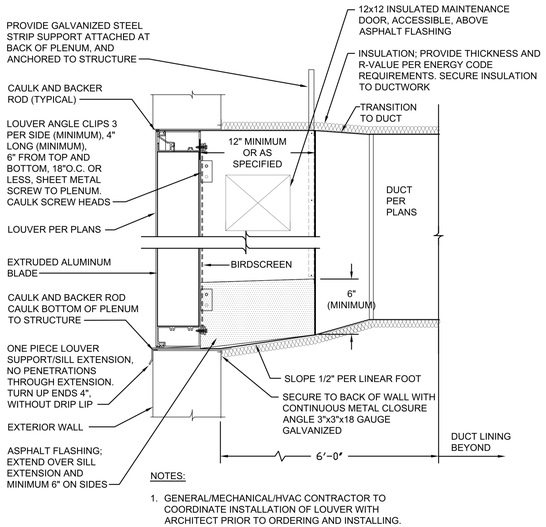
1 M1.11 FCU DUCT LINER DETAIL
SCALE: NONE



2 M1.11 CONDENSATE DRAIN TO TAILPIECE OF SINK
SCALE: NONE

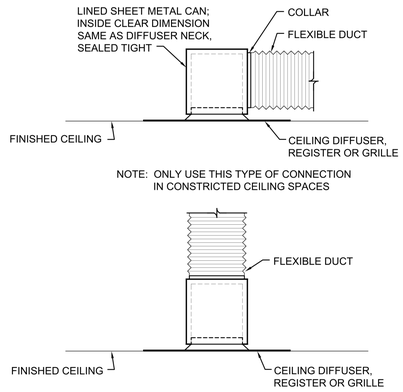


3 M1.11 CONDENSATE TRAP
SCALE: NONE



NOTES:
1. GENERAL/MECHANICAL/HVAC CONTRACTOR TO COORDINATE INSTALLATION OF LOUVER WITH ARCHITECT PRIOR TO ORDERING AND INSTALLING.

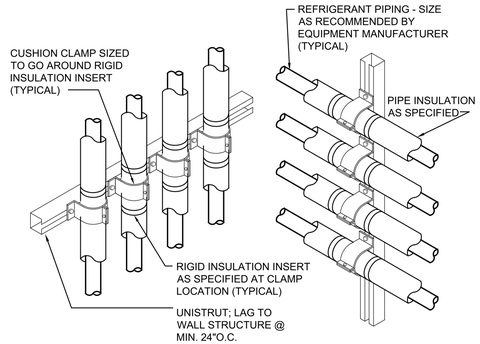
4 M1.11 VERTICAL BLADE WEATHERPROOF LOUVER INSTALLATION DETAIL
SCALE: NONE



NOTE: ONLY USE THIS TYPE OF CONNECTION IN CONSTRICTED CEILING SPACES

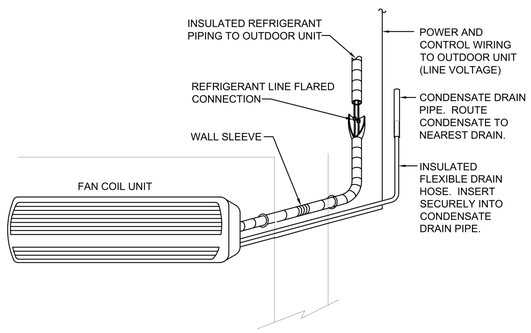
NOTE: USE THIS TYPE OF CONNECTION WHERE THERE IS ENOUGH CEILING SPACE TO KEEP KINKS OUT OF FLEXIBLE DUCT

5 M1.11 SUPPLY/RETURN AIR CAN CONNECTION
SCALE: NONE

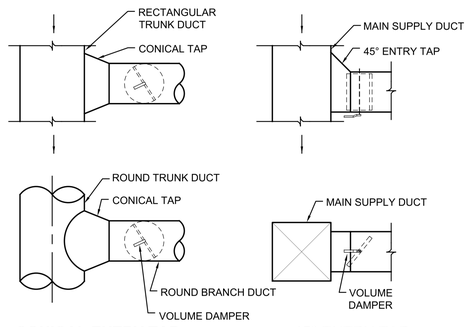


NOTES:
1. PROVIDE PIPING SUPPORT AS SHOWN AT ALLOWABLE SPACING AS NOTED IN SPECIFICATIONS FOR PIPE HANGERS.
2. COVER ENTIRE LENGTH OF EXPOSED PIPING ON EXTERIOR WALL W/ COVERING PER SPECIFICATIONS

6 M1.11 REFRIGERANT PIPING ON BUILDING EXTERIOR
SCALE: NONE



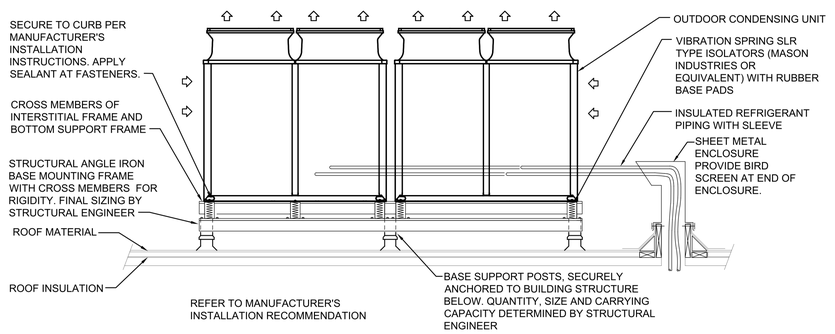
7 M1.11 INDOOR UNIT - WALL MOUNTED SPLIT-SYSTEM
SCALE: NONE



CONICAL ENTRY TAP 45° ENTRY TAP

NOTES:
1. FOLLOW SMACNA DUCT CONSTRUCTION STANDARDS.
2. ALL BRANCH DUCTS ARE TO HAVE VOLUME DAMPERS.

8 M1.11 BRANCH CONNECTION
SCALE: NONE



9 M1.11 ROOF MOUNTED OUTDOOR CONDENSING UNIT DETAIL
SCALE: NONE

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SHEET TITLE
MECHANICAL DETAILS

SHEET NO.
M1.11

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PLAN NOTES:

1. (E) DUCTWORK TO BE DEMOLISHED. PATCH WALL AS REQUIRED
2. (E) DUCTWORK AND GRILLES TO BE DEMOLISHED. PATCH WALL AND CEILING AS REQUIRED.
3. (E) FAN AND IT'S ASSOCIATED CONTROL WIRING TO BE DEMOLISHED.

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SHEET TITLE

HVAC DEMOLITION PLAN - LEVEL 1

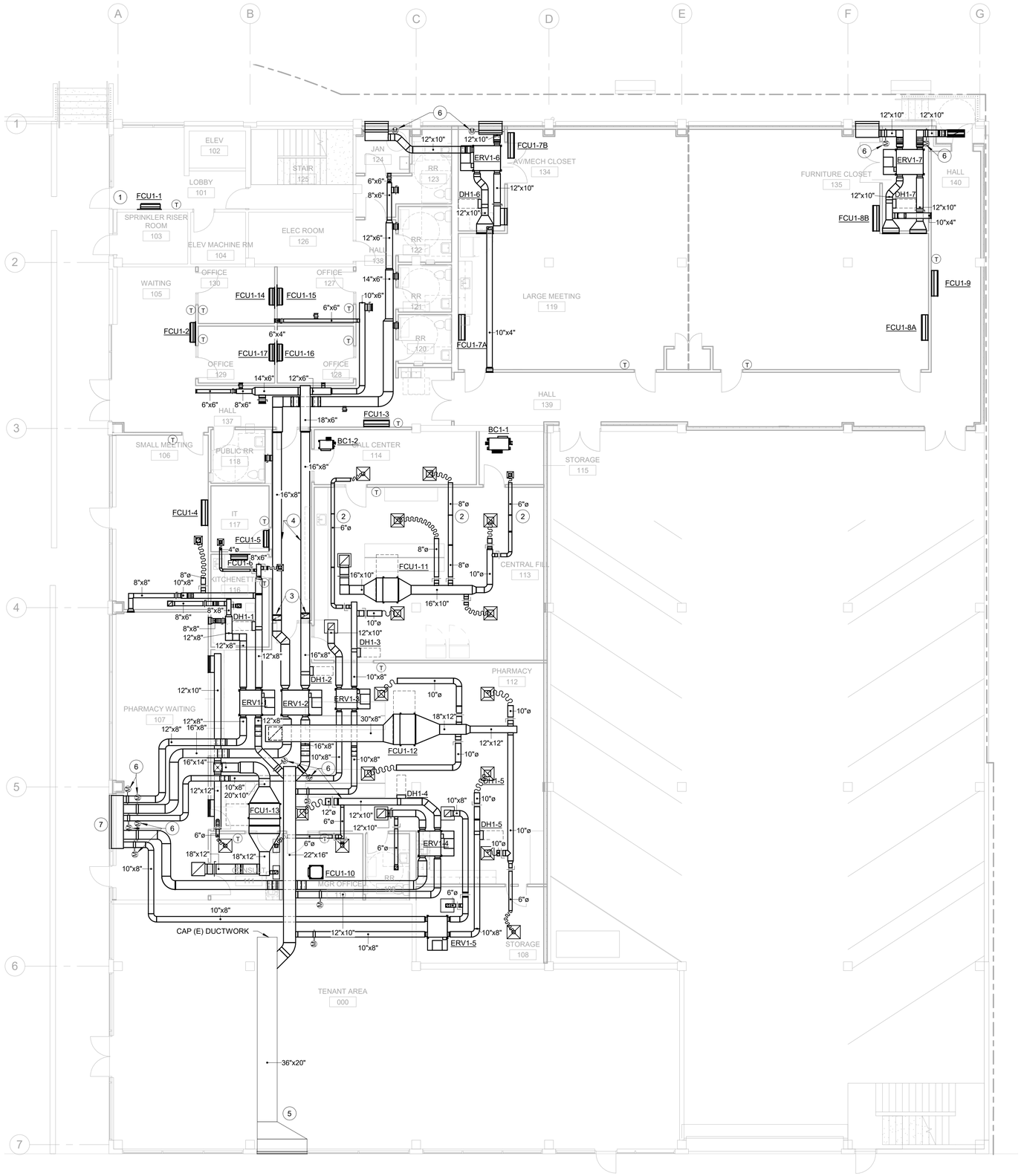
SHEET NO.

M1.21

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1 **HVAC DEMOLITION PLAN - LEVEL 1**
1/8" = 1'-0"

PRCTI20221714



PLAN NOTES:

1. NATURAL VENTILATION PER IBC 1202.5.1 DOOR OPENING IS 8.8% OF FLOOR AREA.
2. SLOPE DUCT TO FOLLOW STRUCTURE.
3. DROP DUCT BELOW CEILING.
4. DUCT EXPOSED BELOW CEILING.
5. (E) DUCTWORK AND WEATHERPROOF LOUVER TO REMAIN.
6. PROVIDE 120 V POWER TO MOTORIZED DAMPERS AND ERV TO BE INTERLOCKED WITH TWO MOTORIZED DAMPERS AND 120V INTERLOCK RELAY TO BE PROVIDED BY ELECTRICAL CONTRACTOR.
7. (E) LOUVER TO REMAIN. CONNECT NEW DUCTWORK TO (E) LOUVER AS SHOWN.

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SHEET TITLE

MECHANICAL HVAC PLAN - LEVEL 1

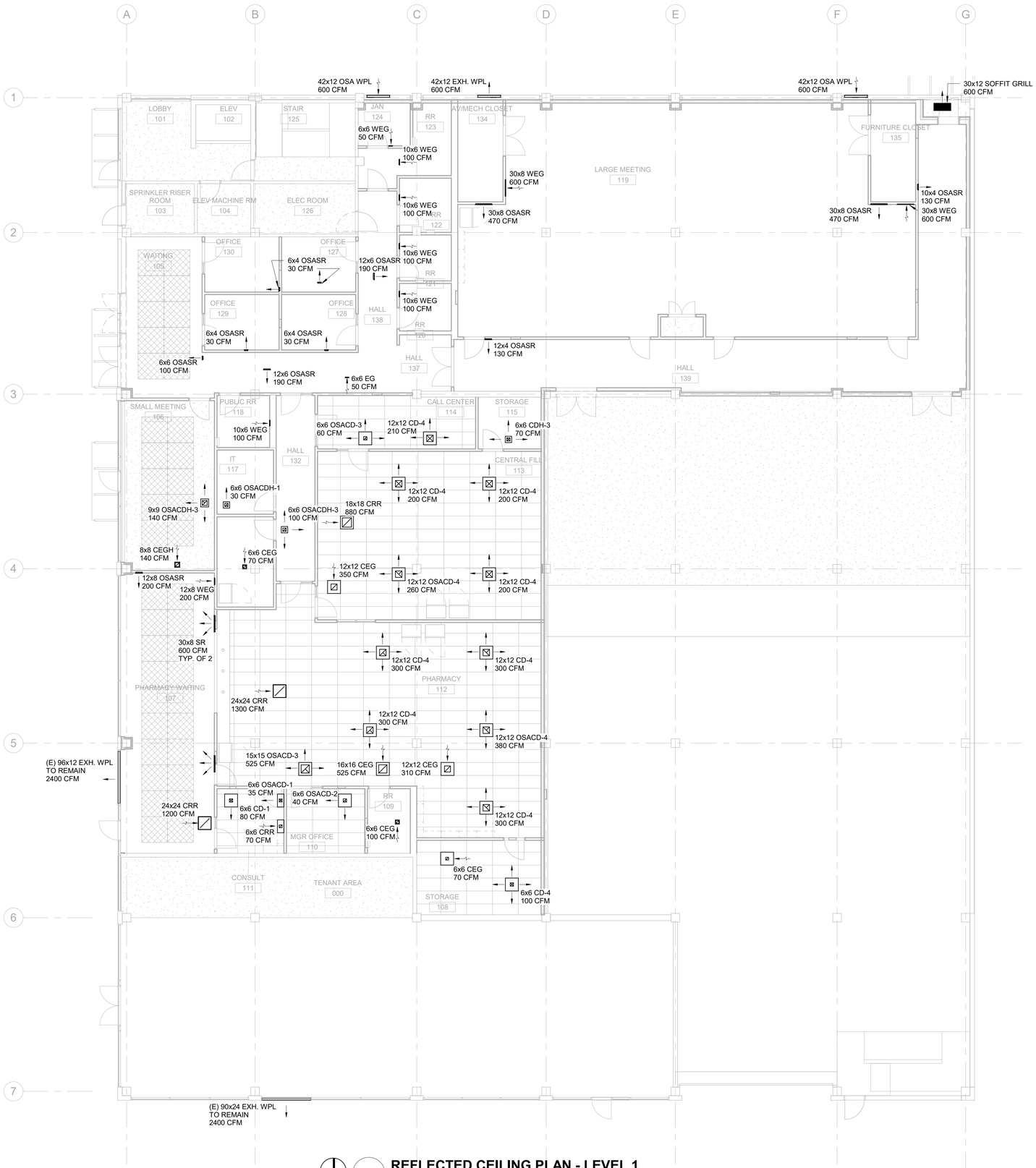
SHEET NO.

M2.01

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1 **MECHANICAL HVAC PLAN - LEVEL 1**
1/8" = 1'-0"

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1 **REFLECTED CEILING PLAN - LEVEL 1**
1/8" = 1'-0"

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REFLECTED CEILING PLAN - LEVEL 1

SHEET NO.

M2.02

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1 Mechanical roof level
1/8" = 1'-0"

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MECHANICAL ROOF LEVEL PLAN

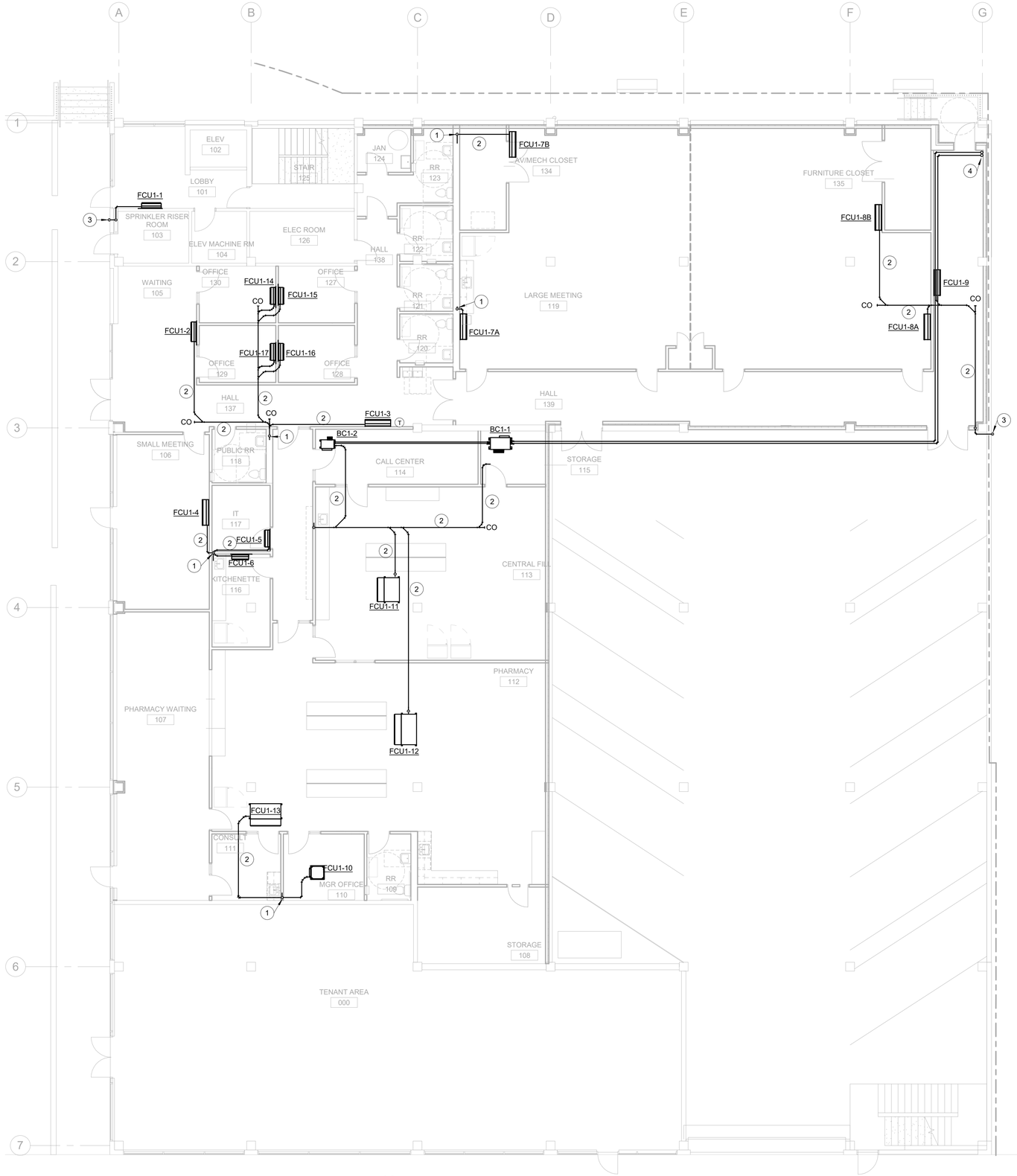
SHEET NO.

M2.03

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Project Number

PRCTI20221714



1 CONDENSATE PIPING PLAN - LEVEL 1
1/8" = 1'-0"

PLAN NOTES:

1. CONDENSATE PIPE DN. TO CONNECT TO TAILPIECE OF SINK.
2. CONDENSATE PIPING. ROUTE PIPE WITH 1/8"/FT SLOPE TOWARD DRAIN.
3. 3/4" CONDENSATE DN. TO OUTSIDE ELBOW DN. TERMINATE 12" ABOVE FINISHED GRADE FACING DN.
4. REFRIGERANT PIPING UP TO ODU-1 ON ROOF.

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CONDENSATE PIPING PLAN - LEVEL 1

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DIAGRAM SYMBOL LEGEND	
DISPLAY	DESCRIPTION
——///——	POWER WIRE
————	CONTROL WIRE
————	REF. PIPE

PIPING AND CONTROLS	
SYMBOL	BRANCH PIPE MODEL NAME
J1	CMY-R300NCBK
J2	CMY-R304S-G1
J3	CMY-R305S-G1
J4	CMY-R306S-G
SYMBOL	LIQUID PIPE/GAS PIPE SIZE
P1	7/8 /
P2	/ 1-1/8
P3	1/4 / 1/2
P4	3/8 / 5/8
P5	3/8 / 5/8 / 3/4
P6	1-1/8 / 1-5/8
SYMBOL	MODEL NUMBER
MA	TAR-40MAAU
LR	TZ-92DR-EA

CITY MULTI

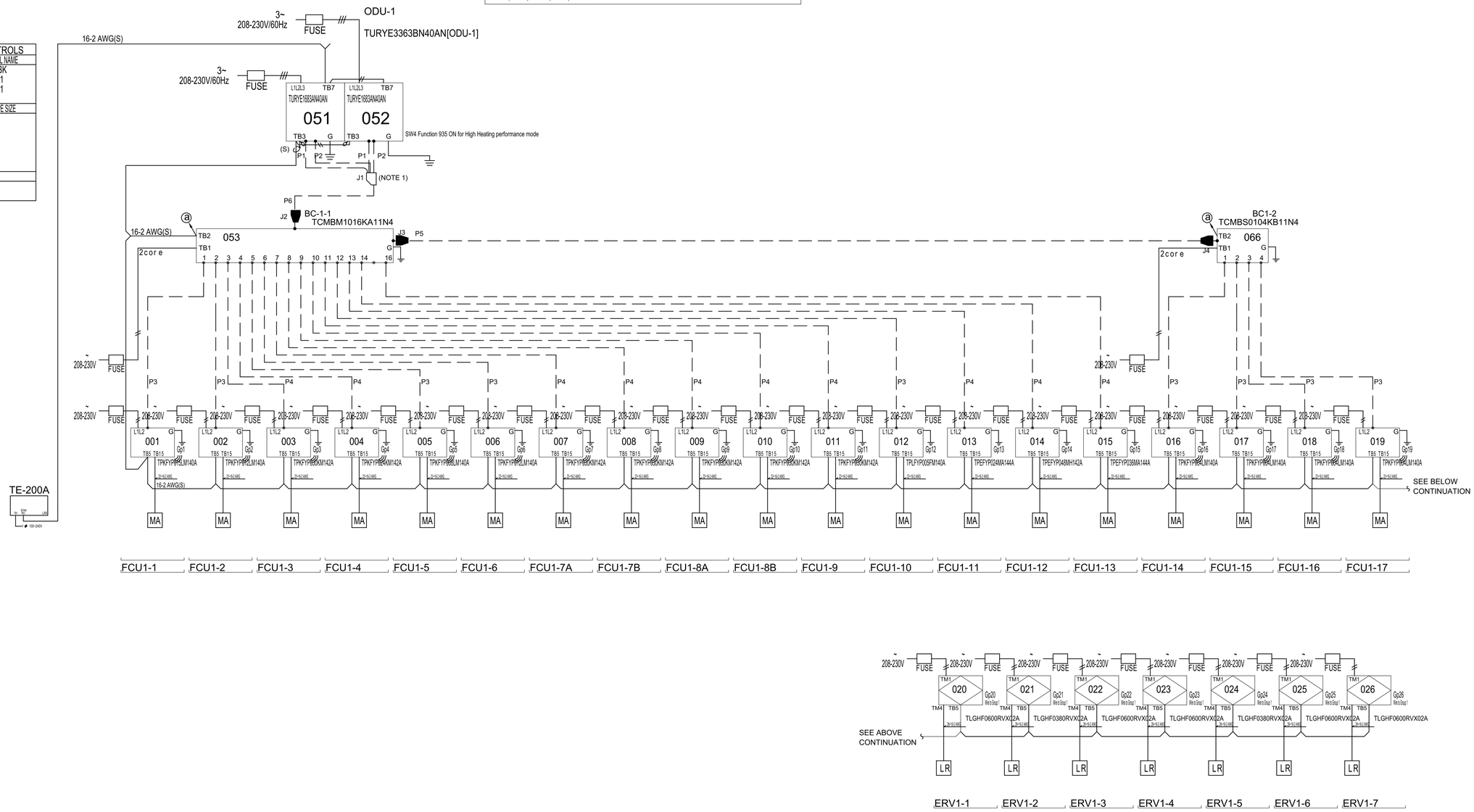
SYSTEM SCHEMATIC DWG.

This drawing is schematic in nature. Final routing of piping & wiring shall be determined by the installing contractor and/or designer of record

Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book.

1.25mm²(16 AWG) : 1.25mm²(16 AWG) or more. 0.75mm²(20 AWG) : between 0.5mm²(24 AWG) and 0.75mm²(20 AWG).

Coded Notes:
NOTE 1: Install twinning Y's within 15 degrees of level and with 20 inches of straight pipe on converging connection - reference installation manual for additional details including but not limited to special trapping requirements when twinning, and pipe slope requirements



1 REFRIGERANT PIPING DIAGRAM
SCALE: NONE

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REFRIGERANT PIPING DIAGRAM

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M4.01

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ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	LIGHTING OR POWER PANEL	EF	EQUIPMENT CONNECTION, SEE EQUIPMENT CONNECTION SCHEDULES FOR SPECIFIC REQUIREMENTS.
	CONDUIT EXPOSED	MR	20A MOTOR RATED SWITCH UNLESS OTHERWISE NOTED.
	CONDUIT CONCEALED IN WALL OR CEILING SPACE ONLY		MOTOR CONNECTION
	CONDUIT UNDER GROUND OR FLOOR		NON-FUSED DISCONNECT SWITCH
—E—	EXISTING CONDUIT	F	FUSED DISCONNECT SWITCH
	CONDUIT UP		SPECIAL EQUIPMENT CONNECTION
	CONDUIT DOWN		EQUIPMENT CONNECTION
	CONDUIT STUB OUT WITH PLASTIC BUSHING	FACP	FIRE ALARM PANEL
	BRANCH CIRCUIT HOME RUN	FAAP	FIRE ALARM ANNUNCIATOR
	GROUNDING ELECTRODE PER CODES	SD	FIRE ALARM SMOKE DETECTOR
	FLEXIBLE CONDUIT	SD CO	FIRE ALARM COMBINATION SMOKE AND CARBON MONOXIDE DETECTOR
IM M M	ELECTRICAL METER	SD D	FIRE ALARM SMOKE DETECTOR, DUCT TYPE
J	CODE SIZED JUNCTION BOX WITH COVER PLATE	SD A	FIRE ALARM SMOKE DETECTOR, ABOVE CEILING WITH REMOTE TEST/LED STATION MOUNTED ON T-BAR CEILING.
A	ELECTRICAL DEVICE AS INDICATED, A=ABOVE COUNTER, WP=WEATHERPROOF, UC=UNDER COUNTER	H	FIRE ALARM HEAT DETECTOR, RATE-OF-RISE TYPE
	DUPLEX RECEPTACLE	F H	FIRE ALARM HEAT DETECTOR, F=FIXED TEMPERATURE, FD=FIXED TEMPERATURE WITH DUAL CONTACTS
	DUPLEX RECEPTACLE, TAMPER RESISTANT TYPE	F	FIRE ALARM CONNECTION, TYPE AS NOTED ON PLANS
	TWO DUPLEX RECEPTACLES IN COMMON BACK BOX AND UNDER COMMON PLATE	TS	TAMPER SWITCH FIRE ALARM MONITORING CONNECTION
S	HALF-CONTROLLED DUPLEX RECEPTACLE.	FS	FLOW SWITCH FIRE ALARM MONITORING CONNECTION
S	HALF-CONTROLLED DOUBLE DUPLEX RECEPTACLE.	PS	LOW/HIGH SUPERVISORY PRESSURE SWITCH FIRE ALARM MONITORING CONNECTION
	SPECIAL EQUIP CONNECTION WITH LIQUID TIGHT FLEX TO MATCH EQUIPMENT	FA	FIRE ALARM AUDIO-VISUAL NOTIFICATION DEVICE
	DUPLEX RECEPTACLE GFCI TYPE	FAL	FIRE ALARM LOW FREQUENCY AUDIO-VISUAL NOTIFICATION DEVICE
	DUPLEX RECEPTACLE SURGE PROTECTION TYPE	FL	FIRE ALARM LOW FREQUENCY AUDIO NOTIFICATION DEVICE
	SPECIAL RECEPTACLE TYPE TO MATCH EQUIP SERVED, VERIFY REQUIREMENTS.		FIRE ALARM STROBE LIGHT
	EMERGENCY LIGHT	FA	CEILING MOUNTED FIRE ALARM AUDIO-VISUAL HORN/STROBE LIGHT
	EXIT LIGHT WITH DIRECTIONAL ARROWS, SHADING INDICATES DIRECTION OF FACE(S).	F	FIRE ALARM MANUAL PULL STATION, D=DUAL ACTION TYPE.
	EXIT LIGHT, SHADING INDICATES DIRECTION OF FACE(S).	D	FIRE ALARM DOOR RELEASE CONNECTION
R1	TYPICAL LIGHTING FIXTURE DESIGNATION, SEE SCHEDULE FOR TYPE	EM	FIRE ALARM ELECTROMAGNETIC TYPE DOOR HOLDER OUTLET
$	MANUAL ON/OFF SINGLE POLE SWITCH	D FA	COMBINATION FIRE/SMOKE DAMPER
3 $	THREE WAY SWITCH	S	CEILING MOUNTED FIRE ALARM SPEAKER/STROBE
LV $	LOW VOLTAGE SWITCH	FL	FIRE ALARM LOW FREQUENCY SOUNDER
MS $	LOW VOLTAGE MASTER OVERRIDE SWITCH	J FA	FIRE ALARM JBOX FOR FUTURE ADA NOTIFICATION DEVICE
P $	PILOT LIGHTED SWITCH	PIV	POST INDICATOR VALVE
D $	MANUAL ON/OFF WITH DIMMER SWITCH	M	FIRE ALARM MONITORING MODULE
VS $	LINE VOLTAGE - WALL MOUNT VACANCY SENSOR DUAL TECHNOLOGY WITH DIMMING SWITCH	AOR	AREA-OF-RESCUE EMERGENCY INTERCOM STATION AND POWER SUPPLY.
OS $	LINE VOLTAGE - WALL MOUNT OCCUPANCY SENSOR DUAL TECHNOLOGY WITH DIMMING SWITCH	MAR	MASTER AREA-OF-RESCUE EMERGENCY INTERCOM STATION AND POWER SUPPLY.
PC	CEILING MOUNTED PHOTO CELL	K	FIRE ALARM KNOX BOX
OS	LIGHTING CONTROL OCCUPANCY SENSOR DUAL TECHNOLOGY (CEILING MOUNT)		DATA/TV OUTLET
RC ##	LIGHTING CONTROL SYSTEM ROOM CONTROLLER (UL 924 FOR EM LTS). (## INDICATES CIRCUIT NUMBER)	z	TELECOMMUNICATIONS OUTLET, SUBNUMBER=QUANTITY OF DROPS
		WAP	CEILING WIRELESS ACCESS POINT, (2) CAT6A DROPS
CR	CARD READER		TELECOM BACKBOARD
DC	DOOR CONTACT	HH	HANDHOLE
	SECURITY IP VIDEO CAMERA	J	CODE SIZED JUNCTION BOX WITH COVER PLATE
		AV1	AV STATION AS INDICATED ON DETAIL 5 / E40.5.
		AV2	AV STATION AS INDICATED ON DETAIL 5 / E40.5.
			4-POST DATA RACK

ABBREVIATIONS

ADA	AMERICAN DISABILITY ACT
AE	ARCHITECTURAL AND ENGINEERING
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AMP	AMPERE
ATS	AUTOMATIC TRANSFER SWITCH
BKR	BREAKER
C	CONDUIT
CKT	CIRCUIT
CO	CONDUIT AND PULL WIRE ONLY
COMM	COMMUNICATION
CU	COPPER
DISC	DISCONNECT SWITCH
EC	ELECTRICAL CONTRACTOR
ELEC	ELECTRICAL
EQUIP	EQUIPMENT
EXIST	EXISTING
(E)	EXISTING ITEM
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
GA	GENERATOR REMOTE ANNUNCIATOR
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTER
G, GND	GROUND
ISP	INTERNET SERVICE PROVIDER
LCC	LIGHTING CONTROL CENTER
LCP	LIGHTING CONTROL PANEL OR PACKS
LTG	LIGHTING
LV	LOW VOLTAGE
MCB	MAIN BREAKER
MC	MECHANICAL CONTRACTOR
MDP	MAIN DISTRIBUTION PANEL
MECH	MECHANICAL
MLO	MAIN LUG ONLY
MRS	MOTOR RATED SWITCH
(N)	NEW
OC	ON CENTER
PB	PUSH BUTTON
PNL	PANEL
REC	RECEPTACLE
SER	SERVICE ENTRANCE RATED
SPD	SURGE PROTECTION DEVICE
SPECS	SPECIFICATIONS
SW	SWITCH
TB	TELECOM BACKBOARD
TEL	TELEPHONE
THRU	THROUGH
TTB	TELECOM TERMINATION BOARD
TV	TELEVISION
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
VP1	VIDEO PROJECTOR 1
VP2	VIDEO PROJECTOR 2
WP	WEATHERPROOF, NEMA 3R
XFMR	TRANSFORMER
XFER	TRANSFER

GENERAL REQUIREMENTS

1. PROVIDE COMPLETE WORK FOR REQUIREMENTS AS DESCRIBED ON LEGEND. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF DEVICES LOCATED IN OR ABOVE CASEWORK.
2. INSTALLATION SHALL COMPLY WITH APPLICABLE CODES, INCLUDING, BUT NOT LIMITED TO THE FOLLOWING: 2020 NATIONAL ELECTRICAL CODE (NEC), WASHINGTON STATE ADMINISTRATIVE CODE (WAC), AND 2018 WASHINGTON STATE ENERGY CODE.
3. PROVIDE TEMPORARY POWER FOR CONSTRUCTION. TEMPORARY POWER MAY BE IN THE FORM OF PORTABLE GENERATOR SET; CONNECTION TO UTILITIES COMPANY'S POWER POLE OR EXISTING FACILITY'S ELECTRICAL SYSTEM. OBTAIN ALL REQUIRED PERMITS ASSOCIATED WITH TEMPORARY POWER.
4. ALL FLUSH MOUNT EQUIPMENT, CABINETS, AND PANELBOARDS SHALL HAVE FACTORY TYPE FLUSH MOUNT TRIM KIT FOR COMPLETE INSTALLATION.
5. PROVIDE ALL MATERIAL AND LABOR RELATED TO THE INSTALLATION OF ELECTRICAL DEVICES PENETRATING INTO OR THROUGH FIRE RATED WALLS, FLOORS, OR CEILINGS SUCH THAT THE FIRE RATING OF THE WALL IS MAINTAINED. REFER TO ARCHITECTURAL FOR FIRE WALL LOCATIONS.
6. PROVIDE 1-HOUR FIRE RATED ENCLOSURE FOR RECESSED LIGHT FIXTURES IN FIRE RATED CEILING, (SEE ARCHITECTURAL PLAN FOR FIRE RATED CEILING). FIRE RATED ENCLOSURES FOR LED FIXTURES SHALL HAVE MINIMUM SIDE CLEARANCES OF 1" AND TOP CLEARANCES OF 5/8". FIRE RATED ENCLOSURES FOR RECESSED FIXTURES SHALL HAVE ALL AROUND MINIMUM CLEARANCES OF 3".
7. DO NOT INSTALL FLUSH WALL OUTLETS BACK TO BACK. A MINIMUM OF 24" SEPARATION IS REQUIRED BETWEEN ANY OUTLET INSTALLED ON FIRE RATED WALL.
8. DO NOT TAKE MEASUREMENTS FROM PLANS FOR DEVICE LOCATIONS. FIELD VERIFY EXACT DEVICE, EQUIPMENT LOCATIONS, AND MOUNTING HEIGHTS WITH OWNER'S REPRESENTATIVE FOR PROPER INSTALLATION.
9. RACEWAYS, WIRE SIZES AND CIRCUITS AS SHOWN REPRESENT INTENT OF INSTALLATION, BUT MAY NOT NECESSARILY REPRESENT THE COMPLETE WIRING COUNTS AND MINIMUM SIZES FOR CONNECTING THE CIRCUITS SHOWN. CONTRACTOR SHALL INCLUDE IN THE BID, ALL REQUIRED RACEWAY SIZES AND NUMBER OF CONDUCTORS IN ORDER TO PROVIDE ALL CIRCUITS SHOWN.
10. COMBINING HOME-RUNS IS ALLOWABLE AS LONG AS CONDUCTORS ARE DE-RATED PER NEC TABLE 310.15(C)(1) WHEN THERE ARE MORE THAN THREE CURRENT CARRYING CONDUCTORS. RACEWAY AND BOXES TO BE FILLED TO 40% MAXIMUM.
11. PROVIDE DEDICATED NEUTRALS AND EQUIPMENT GROUNDING CONDUCTORS FOR EACH CIRCUIT.
12. PROVIDE SEPARATE NEUTRALS FOR GFCI OUTLETS, AND DIMMER CIRCUITRY.
13. REFER TO EQUIPMENT SCHEDULES FOR WIRING REQUIREMENTS NOT INDICATED ON PLANS.
14. PROVIDE ALL WIRING TO PANELS AND POWER DISTRIBUTION EQUIPMENT IN ACCORDANCE WITH ONE-LINE POWER DIAGRAM.
15. INCLUDE COST OF PROVIDING ALL ELECTRICAL CONNECTIONS AS REQUIRED FOR FULL OPERATION OF ALL OWNER FURNISHED, CONTRACTOR INSTALLED EQUIPMENT. SEE ARCHITECTURAL DRAWINGS TO VERIFY LOCATIONS.
16. VERIFY ALL LIGHT FIXTURE TYPES, VOLTAGE, AND MOUNTING METHODS TO SUIT BUILDING STRUCTURE, CEILING SYSTEM, TRUSS, JOISTS, AND SUPPORTING SURFACES. ALL FIXTURE MOUNTING HEIGHTS SHALL BE APPROVED OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. VERIFY CORRECT CATALOG NUMBERS PRIOR TO ORDERING OF FIXTURES. REFER TO CONTRACT DRAWINGS FOR LOCATIONS OF EMERGENCY FIXTURES. ALL SUBSTITUTE LIGHT FIXTURES MUST BE SUBMITTED FOR APPROVAL PRIOR TO BID. APPROVED SUBSTITUTES WILL BE IDENTIFIED IN AN ADDENDUM. PROVIDE ONLY THE APPROVED SUBSTITUTE FIXTURES OR THE FIXTURES AS SPECIFIED. LIGHT FIXTURES WITHOUT PRIOR APPROVALS WILL NOT BE ALLOWED FOR SUBSTITUTION AFTER BIDS.
17. WIRING SYSTEMS SHALL BE CONCEALED WHERE POSSIBLE, EXCEPT IN ELECTRICAL ROOM, MECHANICAL ROOM, AND UTILITY AREAS, OR AS OTHERWISE NOTED.
18. PROVIDE SURFACE METAL RACEWAY AS WIRING METHOD WHERE OUTLETS AND WIRING CANNOT BE CONCEALED.
19. EXTERIOR MOUNTED ELECTRICAL DEVICES, INCLUDING, BUT NOT LIMITED TO, DISCONNECT SWITCH, STARTER, SPEAKER, FIRE ALARM HORN AND COVERS SHALL BE NEMA-3R WEATHERPROOF RATED, UNLESS NOTED OTHERWISE.
20. AT EXTERIOR WALLS PROVIDE WEATHERPROOF J-BOXES, GASKETS AND SEAL J-BOXES AND PENETRATIONS. DEVICES EXPOSED TO WEATHER SHALL BE WEATHERPROOF AND RECEPTACLES SHALL BE GFCI PROTECTED.
21. ELECTRICAL CONTRACTOR SHALL PROVIDE ELECTRICAL EQUIPMENT AND ELECTRICAL CONNECTIONS FOR MECHANICAL EQUIPMENT. COORDINATE LOCATIONS AND CONNECTIONS WITH MECHANICAL CONTRACTOR.
22. PROVIDE CONDUIT AND WIRE FROM ALL HVAC UNITS 2000 CFM AND OVER TO FIRE ALARM PANEL FOR HVAC UNIT CONTROL. CONDUIT AND WIRE MAY NOT BE INDICATED IN ELECTRICAL DRAWINGS.
23. COORDINATE LIGHT FIXTURE INSTALLATIONS IN/ON CEILINGS WITH OTHER TRADES.
24. COORDINATE DEVICE INSTALLATIONS WITH ARCHITECTURAL WALLS, CASEWORK, AND PROVIDE EQUIPMENT AND APPURTENANCES AS REQUIRED TO ACCOMMODATE COMPLETE INSTALLATION.
25. VERIFY WITH CABINET INSTALLER FOR ALL CABINET LOCATIONS, DIMENSIONS, AND COUNTER HEIGHTS PRIOR TO OUTLET ROUGH-IN. OUTLETS LOCATED ABOVE COUNTER SHALL BE INSTALLED TO CENTERLINE ABOVE COUNTERTOP BACKSPLASH, PER ARCHITECTURAL DETAILS AND REQUIREMENTS. VERIFY HEIGHT WITH OWNER'S REPRESENTATIVE OF ANY LOCATION THAT CANNOT ACCOMMODATE MOUNTING HEIGHT. INSTALL HORIZONTALLY WHERE LIMITED SPACE REQUIRES HORIZONTAL MOUNTING.
26. LABEL ALL EQUIPMENT, RECEPTACLES/COVERPLATES, J-BOXES, RACEWAY AND WITH SERVING PANEL NAME AND CIRCUIT NUMBER(S).
27. INSTALLATION OF UNDERGROUND WIRING SYSTEMS SHALL INCLUDE EXCAVATION, CUTTING, PATCHING, BACKFILL, AND COMPACTION. DO NOT CUT OR DAMAGE ANY EXISTING UTILITIES, STRUCTURAL MEMBERS, OR BUILDING FOUNDATIONS. VERIFY EXISTING CONDITIONS PRIOR TO EXCAVATION WORK. INCLUDE COST FOR UNDERGROUND LOCATOR SERVICE TO IDENTIFY LOCATIONS OF EXISTING COMPONENTS. HAND EXCAVATE IN LOCATIONS WHERE EXISTING UNDERGROUND COMPONENTS ARE SUBJECT TO DAMAGE. REPAIR DAMAGE TO EXISTING UTILITIES OR BUILDING STRUCTURE TO OWNER'S SATISFACTION AT THE CONTRACTORS EXPENSE.
28. ONE-LINE DIAGRAMS AND RACEWAY ROUTING ARE SCHEMATIC AND DO NOT SHOW EXACT PHYSICAL ARRANGEMENT OF EQUIPMENT. WHERE INDICATED ON DRAWINGS, JUNCTION BOXES AND PULLBOXES ARE MINIMUM REQUIREMENTS. PROVIDE FITTINGS AND PULLBOXES OF ADEQUATE SIZE IN RACEWAY SYSTEMS WHEREVER NECESSARY OR REQUIRED BY THE NEC OR LOCAL CODES. PROVIDE EXPANSION JOINT FITTINGS FOR RACEWAY PASSING THROUGH NEW OR EXISTING EXPANSION JOINTS INSTALLED BETWEEN BUILDINGS. VERIFY EXACT LOCATIONS AND DETAILS OF EXPANSION JOINTS PRIOR TO WORK. COORDINATE ALL RACEWAY ROUTING, PULLBOXES, AND EQUIPMENT LOCATIONS WITH OTHER TRADES TO AVOID CONFLICTS OF EQUIPMENT INSTALLATIONS.
29. PROVIDE PULL-WIRES IN ALL EMPTY CONDUITS.
30. PRIOR TO PREPARATION OF BID, VISIT JOBSITE AND EXAMINE EXISTING CONDITIONS.
31. PROVIDE DUCT SMOKE DETECTOR(S) FOR EACH UNIT THAT HAS A CFM RATING AT OR GREATER THAN 2,000 CFM. ELECTRICAL CONTRACTOR SHALL PROVIDE DUCT SMOKE DETECTORS, MECHANICAL CONTRACTOR SHALL INSTALL DUCT SMOKE DETECTORS, AND ELECTRICAL CONTRACTOR SHALL PROVIDE ALL RACEWAY/WIRE AND MAKE CONNECTIONS FOR COMPLETE OPERATION. COORDINATE LOCATIONS AND REQUIREMENTS WITH MECHANICAL CONTRACTOR.
32. CONDUIT OR OTHER ELECTRICAL COMPONENTS SHALL NOT BE INSTALLED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS OR APPROVED BY STRUCTURAL ENGINEER. ALL CORE DRILLING FOR RACEWAY INSTALLATION, SHALL BE THE RESPONSIBILITY OF THE E.C.
33. IN OPEN EXPOSED AREAS, RACEWAY SHALL BE INSTALLED TO RUN ALONG JOISTS AT CEILING LINE LEVEL PARALLEL TO STRAIGHT BUILDING LINE. WHERE FURRED SPACES ARE CREATED, RACEWAY SHALL BE INSTALLED CONCEALED INSIDE THESE SPACES WHERE SUITABLE.
34. CONTRACTOR SHALL SUBMIT PANEL SCHEDULES WITH ALL LOADS IDENTIFIED AND CIRCUIT BREAKER TYPES AND SIZES FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
35. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK RELATED TO PERMITS, PLAN REVIEW, NEW UTILITY SERVICE INCLUDING REMOVAL OF EXISTING SERVICE, AND INSPECTIONS.
36. ALL LIGHT SWITCHES SHALL BE LOCATED AND COORDINATED IN FIELD WITH ACTUAL FRAMING AND DOOR SWINGS TO ACHIEVE BEST LOCATION FOR OWNER'S USE. SWITCHES THAT CAN NOT BE LOCATED ON STRIKE SIDE OF DOOR BECAUSE OF STRUCTURAL MEMBERS SHALL BE AS DIRECTED IN FIELD.

CHC GARAGE - ELECTRICAL DRAWING INDEX

SHEET NO.	SHEET TITLE	SHEET NO.	SHEET TITLE	SHEET NO.	SHEET TITLE
E0.00	ELECTRICAL LEGEND, NOTES, & ABBREVIATIONS	E4.11	MECHANICAL / PLUMBING EQUIPMENT SCHEDULE		
E0.01	ELECTRICAL SCHEDULES	E5.01	LEVEL 1 - FIRE ALARM PLAN		
E1.00	ELECTRICAL SITE PLAN	E5.10	ELECTRICAL FIRE ALARM ONE-LINE DIAGRAMS		
E2.01	LEVEL 1 - POWER & SYSTEMS PLAN	E6.00	ELECTRICAL ONE-LINE DIAGRAM		
E2.01	ROOF - PARTIAL A POWER & SYSTEMS PLAN	E6.01	ELECTRICAL PANEL SCHEDULES		
E3.01	LEVEL 1 - LIGHTING PLAN				
E4.01	LEVEL 1 - MECH EQUIP POWER PLAN				
E4.10	MECHANICAL EQUIPMENT SCHEDULE				

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SHEET TITLE

ELECTRICAL LEGEND, NOTES, & ABBREVIATIONS

SHEET NO.

E0.00

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LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER		LAMP	LUMEN OUTPUT	INPUT WATTS	MOUNTING	NOTES
		NAME	CATALOG NUMBER	COLOR				
D1	6" DOWN LIGHT LED	SPECTRUM	SGRTE6XT-30L35K-WD-DS10-1-JBM / AR7466XT-MW	35K	3000	34.6	RECESS	COORDINATE LIGHT FIXTURE COLOR WITH ARCHITECT AND OWNER PRIOR TO ORDERING FIXTURES.
D1E	6" DOWN LIGHT LED EMERGENCY BATTERY BACKUP	SPECTRUM	SGRTE6XT-30L35K-WD-DS10-1-JBM-EM / AR7466XT-MW	35K	3000	34.6	RECESS	COORDINATE LIGHT FIXTURE COLOR WITH ARCHITECT AND OWNER PRIOR TO ORDERING FIXTURES.
P1	4" x 4' PENDANT CEILING MOUNTED LED	FINELITE	HP-4-P-D-4'-S-V-835-WSO-BG-96LG-120-SC-FC-10%-FA50-C2-FE-SW	35K	3,708	37.2	PENDANT	PROVIDE DUAL AIRCRAFT CABLE AS REQUIRED. COORDINATE LIGHT FIXTURE HEIGHT WITH ARCHITECT AND OWNER PRIOR TO ORDERING FIXTURE.
P1E	4" x 4' PENDANT CEILING MOUNTED LED EMERGENCY BATTERY BACKUP	FINELITE	HP-4-P-D-4'-S-V-835-WSO-BG-96LG-120-SC -FC-10%-FA50-C2-FE-SW-BSL310LP-EM/GEN	35K	3,708	37.2	PENDANT	PROVIDE DUAL AIRCRAFT CABLE AS REQUIRED. COORDINATE LIGHT FIXTURE HEIGHT WITH ARCHITECT AND OWNER PRIOR TO ORDERING FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP.
R1	1' x 4' RECESS CEILING MOUNTED LED	FOCAL POINT	FEQ2-14-AC-4000L-35K-1C-UNV-LD1-GX-WH	35K	4000	36	RECESS	
R1E	1' x 4' RECESS CEILING MOUNTED LED EMERGENCY BATTERY BACKUP	FOCAL POINT	FEQ2-14-AC-4000L-35K-1C-UNV-LD1-GX-EM-WH	35K	4000	36	RECESS	PROVIDE EMERGENCY BATTERY BACKUP.
S1	1' X 4' SURFACE MOUNT LED	COLUMBIA	ESL-4-35-LW-FA-W-U	35K	4,100	34.4	SURFACE	
S2	3" x 4' SURFACE CEILING MOUNTED LED	BARTCO	BSS214-4-35-DM-H-SM-SN-ESS	35K	3,535	42.4	SURFACE	
S2E	3" x 4' SURFACE CEILING MOUNTED LED EMERGENCY BATTERY BACKUP	BARTCO	BSS214-4-35-DM-H-SM-SN-EM-ESS	35K	3,535	42.4	SURFACE	PROVIDE EMERGENCY BATTERY BACKUP.
S3	WALL SCONCE MOUNTED LED	BROWNLEE	1575D-24-BN-H32-35K-DTR-ES	35K	3,024	32	WALL	
W	EXTERIOR WALLPACK SURFACE MOUNT TYPE 3 LED	BEACON	RWL1-48L-25-4K7-4W-UNV-PSS-SCP-8F-PC	4K	3,680	25	WALL	ALL WALL PACK LIGHT FIXTURES SHALL BE MOUNTED AT 10FT AFF MINUMUM. OR PER ARCHITECT ELEVATION PLAN.
WE	EXTERIOR WALLPACK EGRESS SURFACE MOUNT TYPE 3 LED	BEACON	RWL1-48L-25-4K7-4W-UNV-PSS-SCP-8F-PC-E	4K	3,680	25	WALL	ALL WALL PACK LIGHT FIXTURES SHALL BE MOUNTED AT 10FT AFF MINUMUM. OR PER ARCHITECT ELEVATION PLAN. PROVIDE INTEGRAL BACKBOX EMERGENCY BATTERY BACKUP.
V	WALL MOUNTED LED (VANITY)	BROWNIEE	5160-48-H32-35K	35K	3,668	32	SURFACE	
X	EXIT LIGHT LED GREEN EMERGENCY BATTERY BACKUP	BRUNO	BRU-SA-LG-U-M-BA	35K		2	UNIVERSAL	PROVIDE MOUNTING BRACKET, DOUBLE FACE, AND DIRECTIONAL ARROWS AS REQUIRED. REFER TO ARCHITECT FOR PATH OF EGRESS..PROVIDE WITH BATTERY EMERGENCY BACKUP

LIGHTING NOTES:

1) ALL DRIVERS SHALL BE HIGH POWER FACTOR, ELECTRONIC.

2) MANUFACTURE AND PART NUMBER ARE FOR BASIS OF DESIGN, LIGHTING LOAD CALCAULATIONS, AND POINT BY POINT.
PROVIDE REQUEST FOR SUBSTITUTIONS OF EQUAL MANUFACTURE AND PART NUMBER WITH RED ARROWS MARKING EACH OPTION THAT MATCHES THE BASIS OF DESIGN PART NUMBER.

2) MANUFACTURE AND PART NUMBER ARE FOR BASIS OF DESIGN, LIGHTING LOAD CALCAULATIONS, AND POINT BY POINT.
PROVIDE REQUEST FOR SUBSTITUTIONS OF EQUAL MANUFACTURE AND PART NUMBER WITH RED ARROWS MARKING EACH OPTION THAT MATCHES THE BASIS OF DESIGN PART NUMBER.

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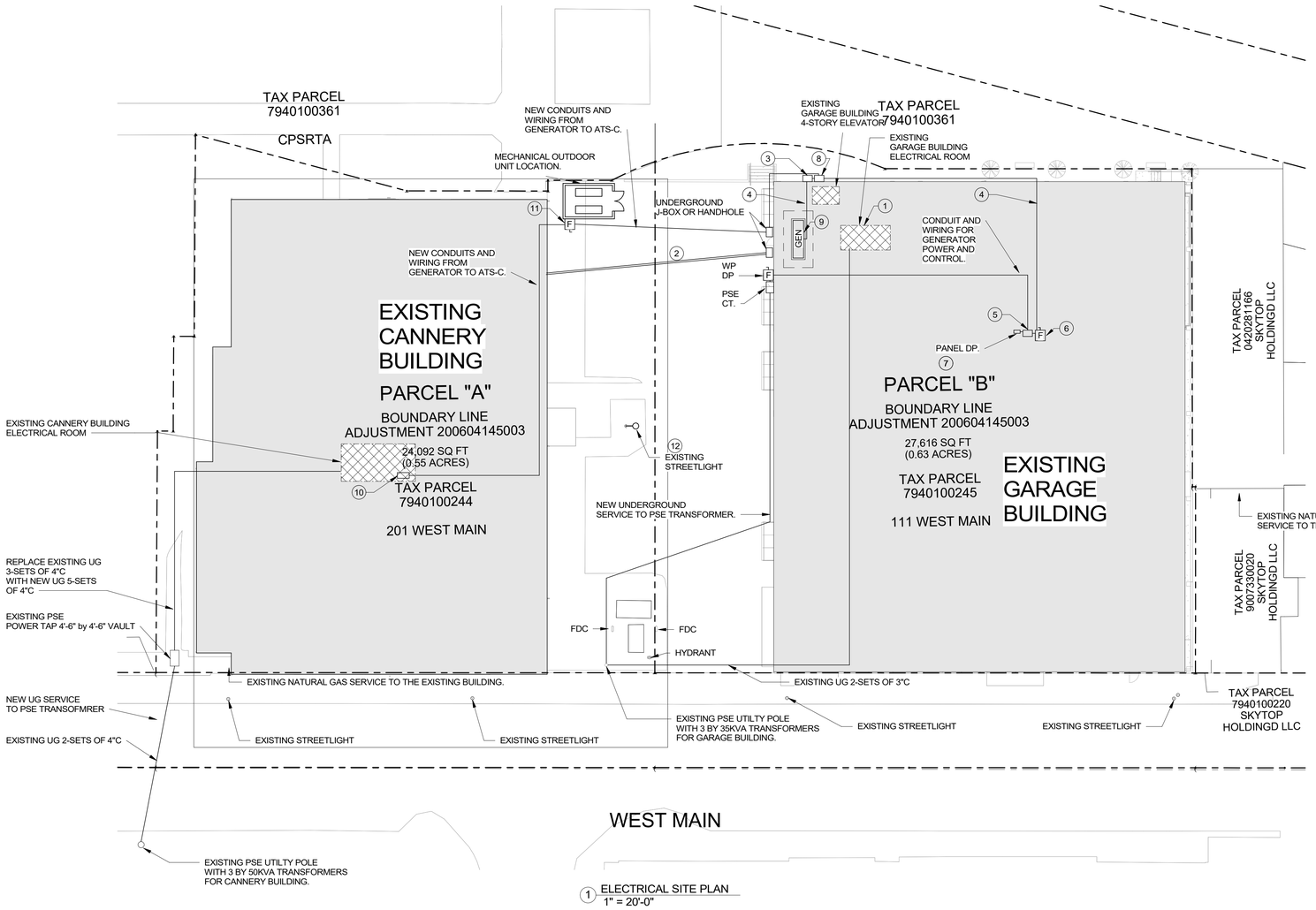
ELECTRICAL SCHEDULES

SHEET NO.

E0.01

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PRCTI20221714



1 ELECTRICAL SITE PLAN
1" = 20'-0"

GENERAL NOTES

1. REFER TO SHEET E6.0 ELECTRICAL ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
2. COORDINATE ALL POWER SHUTDOWN TO THE BUILDING WITH GENERAL CONTRACTOR AND OWNER PRIOR TO TURNING POWER TO THE BUILDING.
3. PROVIDE ALL REQUIRED RACEWAY, CABLING, MOUNTING HARDWARE, AND APPURTENANCES AS REQUIRED FOR COMPLETE OPERATION.

PLAN NOTES

1. EXISTING PSE ELECTRICAL SERVICES TO HOUSE AND TENANT PANELS TO REMAIN.
2. PROVIDE (2)4"C BETWEEN BUILDING EXISITNG ELECTRICAL ROOMS TELECOMM BOARDS WITH PULL STRING. EXISTING TRENCH ACROSS THESE TWO BUILDING WAS NOT PATCHED ADQUATELY. PROVIDE TRENCH IN SAME LOCATION. PROVIDE TRENCHING, BACKFILL, MATCH GRADE, AND HANDHOLES AS REQUIRED. FINAL FINISH BY G.C.
3. NEW NEMA-3R 600AMP 120/208V, 3ϕ, 4W OUTDOOR TRIPLE SWITCH FOR CONNECTION TO TEMPORARY GENERATOR. LOCATE ON WALL 1ST LEVEL. THIS ITEM IS IN CANNERY BASE BID.
4. PROVIDE CONDUIT AND WIRING AS REQUIRED.
5. NEW 150AMP 4-POLE ATS-G FOR GARAGE BUILDING LOCATED IN FIRST FLOOR STORAGE AREA.
6. NEW 150AMP FUSED-DISCONNECT SWITCH "BG" FOR GARAGE BUILDING LOCATED IN FIRST FLOOR STORAGE AREA.
7. NEW 400AMP 120/208V, 3ϕ, 4W PANEL "DP" FOR GARAGE BUILDING LOCATED IN FIRST FLOOR STORAGE AREA.
8. NEW NEMA-3R 600AMP 120/208V, 3ϕ, 4W BUSS AND FUSED DISCONNECTS FOR GARAGE BUILDING LOCATED ON ROOF. THIS ITEM IS IN CANNERY BASE BID.
9. NEW 150KW, 208/120V, 3ϕ, 4W OUTDOOR NATURAL GAS GENERATOR LOCATED ON ROOFLEVEL OF PARKING GARAGE.
10. NEW 600AMP, 120/208V, 3ϕ, 4W 4-POLE ATS-C FOR CANNERY BUILDING LOCATED IN FIRST FLOOR ELECTRICAL ROOM.
11. NEW 600AMP FUSED-DISCONNECT SWITCH "DG" FOR CANNERY BUILDING LOCATED ON FIRST FLOOR EXTERIOR MECHANICAL AREA.
12. EXISTING POLE LIGHT TO REMAIN. TRACE EXISITNG BRANCH CIRCUIT BACK TO SOURCE. IF THE EXISITNG IS SERVICED FROM GARAGE BUILDING PANEL H THEN MAINTAIN THE CIRCUIT. IF THE EXISITNG SERVICED BY CANNERY BUILDLING THEN REPLACE EXISTING BRANCH CIRCUIT. PROVIDE ALL REQUIRED TRENCHING, BACKFILL, RACEWAY, CABLING, MOUNTING HARDWARE, AND APPURTENANCES AS REQUIRED FOR COMPLETE OPERATION.

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ELECTRICAL SITE PLAN

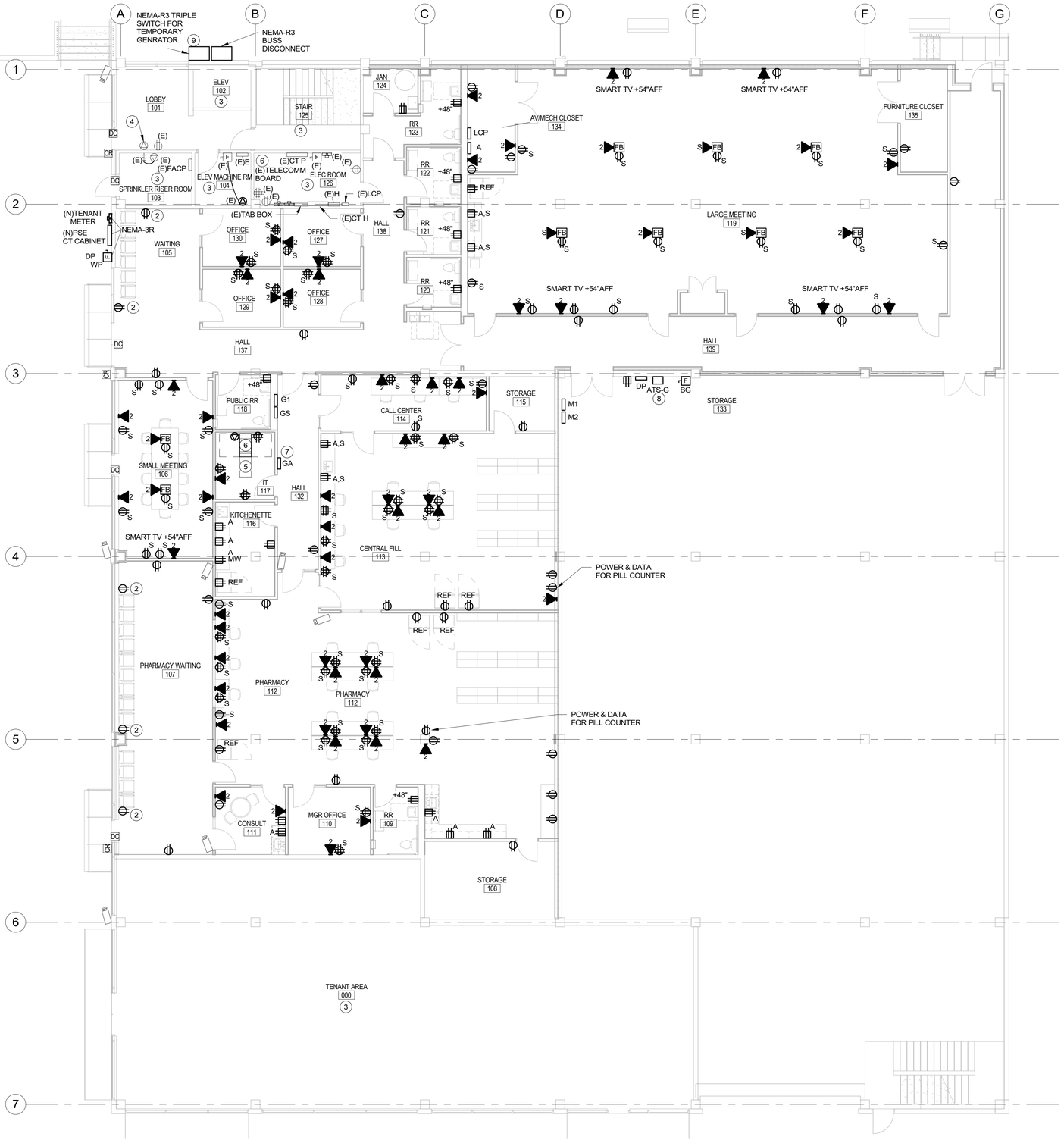
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Project Number

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1 LEVEL 1 - POWER & SYSTEMS PLAN
1/8" = 1'-0"

GENERAL NOTES

1. EXISTING ELECTRICAL SERVICE ENTRANCE TO REMAIN. PROVIDE NEW DISTRIBUTION FOR THE TI AREA. PROVIDE INTEGRAL TVSS FOR ALL ELECTRICAL PANELS.
2. PROVIDE ELECTRICAL DEMOLITION WORK TO ACCOMMODATE NEW ELECTRICAL WORK.
3. RECEPTACLES: PROVIDE ALL HOSPITAL GRADE TYPE, IN WAITING ROOM AREA, PROVIDE TAMPER RESISTANT TYPE.
4. FEEDER: ALL WIRING IN CONDUITS, FEEDER WIRING WITH DEDICATED GROUND WIRE.
5. BRANCH CIRCUIT: ALL WIRING IN CONDUITS, BRANCH WIRING WITH DEDICATED GROUND WIRE.
6. ROOM CONTROLLER: PROVIDE TO CONTROL SWITCHED-RECEPTACLE AND LIGHTS FOR OFFICES.
7. SOME EXISTING ROOM RECEPTACLES WILL REMAIN IN PLACE AND REPLACE BRANCH WIRING PER HEALTH CARE CODES.
8. PROVIDE POWER CONNECTION TO MECHANICAL EQUIPMENT.
9. PROVIDE POWER AND CONTROL CONNECTION TO MEDICAL EQUIPMENT.
10. THE EXISTING FIRE ALARM SYSTEM WILL REMAIN AND RE-USED. ADD ADDITIONAL DEVICES IN TI AREA.
11. PROVIDE COMPLETE TELECOMM OUTLETS, WIRING AND RACEWAYS FOR TELECOMMUNICATION SYSTEM.
12. PROVIDE NEW SECURITY ALARM FOR BUILDING PERIMETER PROTECTION. PROVIDE COMPLETE RACEWAY SYSTEM FOR ALL WIRING.
13. PROVIDE NEW SECURITY CAMERAS FOR BUILDING PERIMETER PROTECTION. PROVIDE COMPLETE RACEWAY SYSTEM FOR ALL WIRING.
14. PROVIDE NEW CARD ACCESS SYSTEM FOR SECURE BUILDING ENTRY AND TENANT AREA ENTRY. PROVIDE COMPLETE RACEWAY SYSTEM FOR ALL WIRING.

PLAN NOTES

1. PROVIDE REMOTE GENERATOR ANNUNCIATOR. REFER TO SHEET E1.00 ELECTRICAL SITE PLAN.
2. PROVIDE DUPLEX RECEPTACLE WITH TWO USB PORTS IN THIS LOCATION.
3. EXISTING ELECTRICAL EQUIPMENT AND DEVICES TO REMAIN IN THIS ROOM UNLESS OTHERWISE NOTED.
4. REMOVE EXISTING ELECTRICAL HEATER UNIT, CONDUIT, WIRING, AND CONNECTIONS BACK TO SOURCE. PROVIDE A TYPED NEW PANEL SCHEDUE INDEX CARD FOR PANEL H.
5. PROVIDE 2HR RATED PLYWOOD AROUND THE MDF AND IDF ROOMS TO INSTALL LOW VOLTAGE SYSTEM EQUIPMENT.
6. PROVIDE (2)3"C FROM EXISTING ELECTRICAL ROOM TELECOMM BOARD TO IT ROOM DATA RACK.
7. PROVIDE 1-1/2"C FROM GENERATOR REMOTE ANNUNCIATOR TO GENSET ON ROOF OF GARAGE BUILDING.
8. PROVIDE GENSET CONTROL/START/STOP/ALARMS J-BOX OR GUTTER WITH (5)1-1/4"C FROM ATS TO GENSET ON ROOF OF GARAGE BUILDING. PROVIDE WIRING AND CABLING PER MANUFACTURE REQUIREMENTS.
9. PROVIDE GENSET CONTROL J-BOX OR GUTTER WITH (3)1-1/4"C FROM TRIPLE SWITCH TO GENSET ON ROOF OF GARAGE BUILDING. PROVIDE WIRING AND CABLING PER MANUFACTURE REQUIREMENTS.

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LEVEL 1 - POWER & SYSTEMS PLAN

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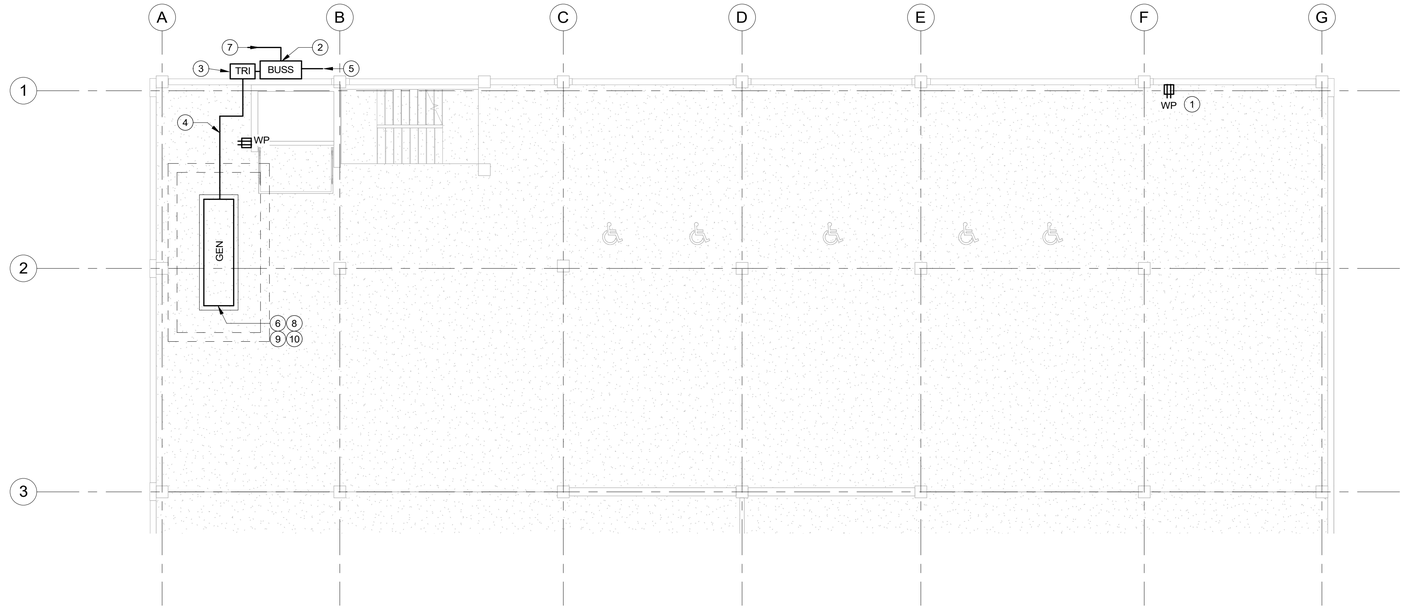
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GENERAL NOTES

1. EXISTING ELECTRICAL SERVICE ENTRANCE TO REMAIN. PROVIDE NEW DISTRIBUTION FOR THE TI AREA. PROVIDE INTEGRAL TVSS FOR ALL ELECTRICAL PANELS.
2. PROVIDE ELECTRICAL DEMOLITION WORK TO ACCOMMODATE NEW ELECTRICAL WORK.
3. RECEPTACLES: PROVIDE ALL HOSPITAL GRADE TYPE, IN WAITING ROOM AREA, PROVIDE TAMPER RESISTANT TYPE.
4. FEEDER: ALL WIRING IN CONDUITS, FEEDER WIRING WITH DEDICATED GROUND WIRE.
5. BRANCH CIRCUIT: ALL WIRING IN CONDUITS, BRANCH WIRING WITH DEDICATED GROUND WIRE.
6. ROOM CONTROLLER: PROVIDE TO CONTROL SWITCHED-RECEPTACLE AND LIGHTS FOR OFFICES.
7. SOME EXISTING ROOM RECEPTACLES WILL REMAIN IN PLACE AND REPLACE BRANCH WIRING PER HEALTH CARE CODES.
8. PROVIDE POWER CONNECTION TO MECHANICAL EQUIPMENT.
9. PROVIDE POWER AND CONTROL CONNECTION TO MEDICAL EQUIPMENT.
10. THE EXISTING FIRE ALARM SYSTEM WILL REMAIN AND RE-USED. ADD ADDITIONAL DEVICES IN TI AREA.
11. PROVIDE COMPLETE TELECOMM OUTLETS, WIRING AND RACEWAYS FOR TELECOMMUNICATION SYSTEM.
12. PROVIDE NEW SECURITY ALARM FOR BUILDING PERIMETER PROTECTION. PROVIDE COMPLETE RACEWAY SYSTEM FOR ALL WIRING.
13. PROVIDE NEW SECURITY CAMERAS FOR BUILDING PERIMETER PROTECTION. PROVIDE COMPLETE RACEWAY SYSTEM FOR ALL WIRING.
14. PROVIDE NEW CARD ACCESS SYSTEM FOR SECURE BUILDING ENTRY AND TENANT AREA ENTRY. PROVIDE COMPLETE RACEWAY SYSTEM FOR ALL WIRING.

PLAN NOTES

1. PROVIDE WP GFIC DUPLEX RECEPTACLE ADJACENT TO MECHANICAL EQUIPMENT DISCONNECT SWITCH. USE #10 WIRE FOR HOMERUN.
2. NEW NEMA-3R 600AMP 120/208V, 3ϕ, 4W BUSS AND FUSED DISCONNECTS.
3. NEW NEMA-3R 600AMP 120/208V, 3ϕ, 4W OUTDOOR TRIPLE SWITCH FOR CONNECTION TO TEMPORARY GENERATOR. LOCATE ON WALL GROUND FLOOR.
4. PROVIDE EXTERIOR CONDUIT AND WIRING AS REQUIRED.
5. TO 150AMP FUSED-DISCONNECT SWITCH "BG" FOR GARAGE BUILDING LOCATED IN FIRST FLOOR STORAGE AREA. REFER TO SHEET E2.01 LEVEL 1 POWER PLAN.
6. NEW 150KW, 208/120V, 3ϕ, 4W OUTDOOR NATURAL GAS GENERATOR WITH CONCRETE HOUSEKEEPING PAD.
7. DOWN TO GROUND FLOOR HANDHOLE & TO CANNERY BUILDING. REFER TO SHEET E1.00 ELECTRICAL SITE PLAN.
8. PROVIDE 1"C WITH 2#12, #12G POWER FOR GENSET BATTERY CHARGER AND 2#12, #12G BLOCK HEATER FROM PANELBOARD GS.
9. PROVIDE 2"C FROM GENSET TO GENERATOR REMOTE ANNUNCIATOR IN LEVEL 1 OF CANNERY BUILDING. ROUTE CONDUIT WITH POWER FEEDER.
10. PROVIDE 2"C FROM GENSET TO GENERATOR REMOTE ANNUNCIATOR IN LEVEL 1 OF GARAGE BUILDING. ROUTE CONDUIT WITH POWER FEEDER.



1 ROOF A POWER & SYSTEMS PLAN PARTIAL
1/8" = 1'-0"

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ROOF - PARTIAL A POWER AND SYSTEMS PLAN

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E2.02

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1 LEVEL 1 - LIGHTING PLAN
1/8" = 1'-0"

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GENERAL NOTES

1. PROVIDE ELECTRICAL DEMOLITION WORK TO ACCOMMODATE NEW ELECTRICAL WORK.
2. BRANCH CIRCUIT: ALL WIRING IN CONDUITS, BRANCH WIRING WITH DEDICATED GROUND WIRE.
3. ALL LIGHTING FIXTURES WILL BE LED TYPE.
4. ALL EGRESS EMERGENCY LIGHTS WILL BE EMERGENCY BATTERY TYPE.
5. ROOM CONTROLLER: PROVIDE TO CONTROL SWITCHED-RECEPTACLE AND LIGHTS FOR OFFICES.
6. ALL SWITCHES SHALL BE DIMMING TYPE UNLESS OTHERWISE NOTED.
7. ALL LIGHTING SHALL HAVE OCCUPANCY OR VACANCY CONTROL AND DAYLIGHTING AND TIME CONTROLS PER ENERGY CODES.

PLAN NOTES

1. EXISTING BUILDING TENANT TO REMAIN AND NOT IN SCOPE OF WORK.
2. EXISTING LIGHTING AND LIGHTING CONTROL TO REMAIN.
3. PROVIDE LOW-VOLTAGE DIMMER SWITCHES. PROVIDE 6-BUTTON MULTI SWITCHES IF THE SWITCH ZONES ARE LARGER THAN 2-ZONES. PROVIDE CONDUIT, WIRING, CABLING, AND CONNECTIONS FOR A COMPLETE OPERATIONAL SYSTEM.
4. PROVIDE LIGHTING ROOM CONTROLLER TO CONTROL LIGHTING AND CONTROLLED RECEPTACLES. PROVIDE CONDUIT, WIRING, CABLING, CONNECTIONS, AND PROGRAMMING AS REQUIRED FOR A COMPLETE OPERATIONAL SYSTEM.
5. PROVIDE PHOTOCELL SENSOR FOR DAYLIGHTING PRIMARY & SECONDARY ZONE CONTROL ALL LIGHT FIXTURES IN THE OFFICE AND MEETING ROOMS.
6. PROVIDE LOW-VOLTAGE MASTER 2-HR OVERRIDE SWITCHES FOR AFTER WORK HOURS. PROVIDE LIGHTING PANEL OR ROOM CONTROLLERS, CONDUIT, WIRING, CABLING, AND CONNECTIONS FOR A COMPLETE OPERATIONAL SYSTEM.
7. REPLACE EXISITNG LIGHT FIXTURE WITH NEW LED LIGHT FIXTURE IN THE SAME PLACE. LIGHTING CONTROL, AND POWER CIRCUIT. PROVIDE CONDUIT, WIRING, CABLING, AND CONNECTIONS FOR A COMPLETE OPERATIONAL SYSTEM.
8. SAME AS PLAN NOTE 3. PLUS FOUR PROGRAMMED SCENES BUTTONS.

LIGHTING CONTROL SECQUENCE OF OPERATIONS

1. ALL CORRIDORS, WAITING, AND LOBBY TO BE AUTOMATIC ON/AUTOMATIC OFF BY TIME CLOCK IN LCP OR POWER PACKS. VERIFY THE OPEN AND CLOSE OF OFFICE HOURS WITH OWNER PRIOR TO PROGRAMMIING. DIM DOWN TO 50% WHEN UNOCCUPANY AND WHEN OCCUPANY FULL BRIGHT UTILIZING AN OCCUPANCY SENSORS. MASTER OVERIRDE SWITCH WILL TURN FOR 2-HOURS ON OFF HOURS.
2. ALL RESTROOMS TO BE AUTOMATIC ON/AUTOMATIC OFF UTILIZING AN OCCUPANCY SENSOR. MASTER OVERRIDE SWITCH ON/OFF.
3. ALL OTHER SPACES WILL REQUIRE VACANCY SENSORS TO BE PROGRAMMED MANUAL ON/AUTOMATIC OFF.
4. ELECTRICAL, IDF, AND JAN ROOMS SHALL BE PROVIDED WITH ONLY A WALL SWITCH.
5. PRIVATE OFFICES TO HAVE WALL-MOUNTED VACANCY OR CEILING-MOUNTED VACANCY SENSORS. CONTROL TO BE MANUAL ON/AUTOMATIC OFF.
6. ALL OFFICE AND THERE AREAS WITH CONTROLLED RECPETACLE SHALL BE CONTROLLED BY OCCUPANY OR VACANCY SENSORS IN THE AREA. PROVIDE LIGHTING CONTROL DEVICE, CONDUIT, WIRING, CABLING, AND CONNECTIONS FOR A COMPLETE OPERATIONAL SYSTEM.
7. ALL EXTERIOR LIGHTING SHALL BE CONTROLLED BY TIME CLOCK DUSK TO DAWN AND INTEGRAL PHOTOCELL IN THE FIXTURES.
8. ALL SPACES WITH (3) OR MORE FIXTURES WITH EXTERIOR FENESTRATION WILL REQUIRE DAYLIGHTING CONTROLS. PROVIDE FIXTURES WITH INTEGRAL DAYLIGHT SENSORS OR CEILING MOUNTED DAYLIGHT SENSORS. DAYLIGHT SENSORS SHALL AUTOMATICALLY DIM FIXTURES FROM PHOTOCELL READINGS.
9. PROVIDE PRIMARY AND SECONDARY DAY LIGHT ZONE AS REQUIRED ENERGY CODE.

PL PRIMARY DAY LIGHT ZONE

SL SECONDARY DAY LIGHT ZONE

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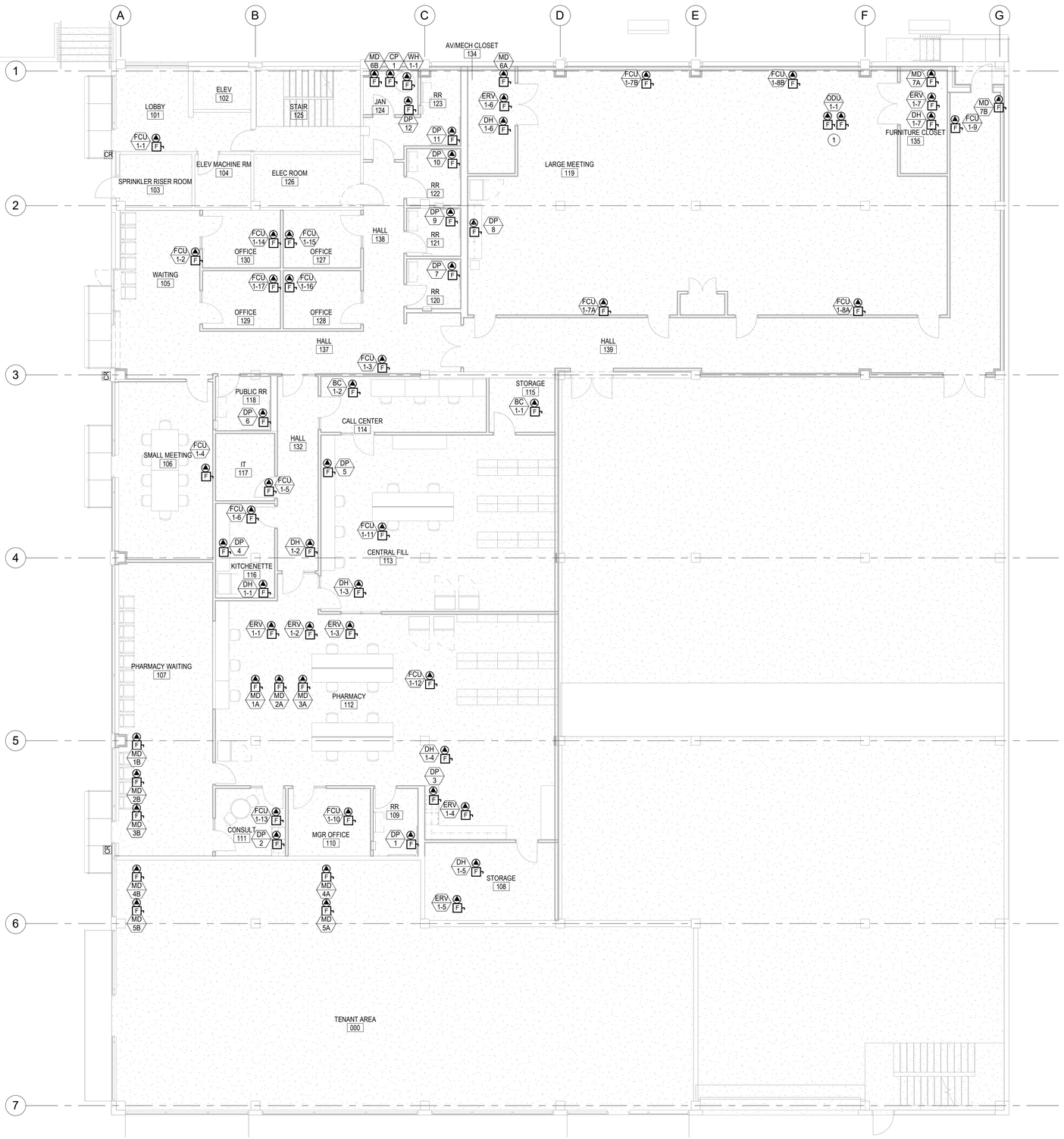
LEVEL 1 - LIGHTING PLAN

SHEET NO.

E3.01

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Project Number



1 LEVEL 1 - MECH EQUIP POWER PLAN
1/8" = 1'-0"

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FIRE SPRINKLER SYSTEM REQUIRED SEPERATE PERMIT.

GENERAL NOTES

1. SEE MECHANICAL PLANS FOR EQUIPMENT TYPE AND LOCATIONS.
2. PROVIDE MAINTENANCE RECEPTACLES LOCATED MAXIMUM OF 25' FROM MECHANICAL UNITS.
3. PROVIDE PULL BOXES IN FEEDER BOXES AS REQUIRED.
4. ALL EQUIPMENT CONNECTIONS AND DISCONNECTS ARE TO BE WEATHER-PROOF. PROVIDE WEATHER-PROOF GFI RECEPTACLE AT EACH EQUIPMENT LOCATION.
5. RACEWAYS AND CABLES ON ROOF TO BE INSTALLED ON SUPPORT SYSTEMS. BOTTOM OF RACEWAY AND ROOF TO BE MINIMUM 1" ALONG ENTIRE RUN.
6. ALL CONDUITS ON ROOF SHALL BE GALVANIZED RIGID STEEL.
7. FEEDER: ALL WIRING IN CONDUITS, FEEDER WIRING WITH DEDICATED GROUND WIRE.
8. PROVIDE ALL POWER CONNECTION TO MECHANICAL EQUIPMENT.
9. PROVIDE ALL REQUIRED RACEWAY, CABLING, MOUNTING HARDWARE, AND APPURTENANCES AS REQUIRED FOR COMPLETE OPERATION.
10. PROVIDE HANGERS, SUPPORTS, PENETRATIONS, CUTTING, PATCHING, AND SEALING AS REQUIRED.
11. ALL MOTOR RATED SWITCH SHALL BE RATED FOR 20A UNLESS OTHERWISE NOTED.
12. REFER TO SHEET E2.02 FOR MECHENICAL EQUIPMENT ON LEVEL 2.

PLAN NOTES

1. THIS MECHANICAL UNIT THIS MOUNTED ON THE PARKING LOT ROOF. REFER TO MECHANCIAL PLANS FOR LOCATION.

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SHEET TITLE
LEVEL 1 - MECH EQUIP POWER PLAN

SHEET NO.
E4.01

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MECH EQUIPMENT POWER CONNECTION SCHEDULE

QUANTITY	EQUIPMENT ID	ITEM DESCRIPTION	VOLTAGE	PHASE	MECHANICAL DEMAND	APPARENT POWER	CONDUIT SIZE	CONDUCTOR SIZE	LOCAL DISCONNECT	FUSE SIZE	DISCONNECT BY	REMARKS
1	BC1-1	BRANCH CIRCUIT CONTROLLER	208 V	1	CLG-0.258KW /HTG-0.137KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	
1	BC1-2	BRANCH CIRCUIT CONTROLLER	208 V	1	CLG-0.258KW /HTG-0.137KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	
1	DH1-1	DUCT HEATER	208 V	3	3KW	SEE PANEL SCHEDULE	3/4"C	3#12, 1#12G	FUSED DISC	20 A	ELEC	
1	DH1-2	DUCT HEATER	208 V	3	3.5KW	SEE PANEL SCHEDULE	3/4"C	3#12, 1#12G	FUSED DISC	20 A	ELEC	
1	DH1-3	DUCT HEATER	208 V	3	3KW	SEE PANEL SCHEDULE	3/4"C	3#12, 1#12G	FUSED DISC	20 A	ELEC	
1	DH1-4	DUCT HEATER	208 V	3	3.5KW	SEE PANEL SCHEDULE	3/4"C	3#12, 1#12G	FUSED DISC	20 A	ELEC	
1	DH1-5	DUCT HEATER	208 V	3	2KW	SEE PANEL SCHEDULE	3/4"C	3#12, 1#12G	FUSED DISC	20 A	ELEC	
1	DH1-6	DUCT HEATER	208 V	3	3.5KW	SEE PANEL SCHEDULE	3/4"C	3#12, 1#12G	FUSED DISC	20 A	ELEC	
1	DH1-7	DUCT HEATER	208 V	3	3.5KW	SEE PANEL SCHEDULE	3/4"C	3#12, 1#12G	FUSED DISC	20 A	ELEC	
1	FCU1-1	VRF INDOOR UNIT	208 V	1	GLC-0.04KW / HTG-0.03KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	
1	FCU1-2	VRF INDOOR UNIT	208 V	1	GLC-0.04KW / HTG-0.03KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	
1	FCU1-3	VRF INDOOR UNIT	208 V	1	GLC-0.07KW / HTG-0.07KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	
1	FCU1-4	VRF INDOOR UNIT	208 V	1	GLC-0.07KW / HTG-0.07KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	
1	FCU1-5	VRF INDOOR UNIT	208 V	1	GLC-0.02KW / HTG-0.02KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	
1	FCU1-6	VRF INDOOR UNIT	208 V	1	GLC-0.02KW / HTG-0.01KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	
1	FCU1-7A	VRF INDOOR UNIT	208 V	1	GLC-0.07KW / HTG-0.07KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	
1	FCU1-7B	VRF INDOOR UNIT	208 V	1	GLC-0.07KW / HTG-0.07KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	
1	FCU1-8A	VRF INDOOR UNIT	208 V	1	GLC-0.07KW / HTG-0.07KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	
1	FCU1-8B	VRF INDOOR UNIT	208 V	1	GLC-0.07KW / HTG-0.07KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	
1	FCU1-9	VRF INDOOR UNIT	208 V	1	GLC-0.07KW / HTG-0.07KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	
1	FCU1-10	VRF INDOOR UNIT	208 V	1	GLC-0.02KW / HTG-0.02KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	
1	FCU1-11	VRF INDOOR UNIT	208 V	1	GLC-0.142KW / HTG-0.14KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	
1	FCU1-12	VRF INDOOR UNIT	208 V	1	GLC-0.242KW / HTG-0.24KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	
1	FCU1-13	VRF INDOOR UNIT	208 V	1	GLC-0.222KW / HTG-0.22KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	
1	FCU1-14	VRF INDOOR UNIT	208 V	1	GLC-0.02KW / HTG-0.01KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	
1	FCU1-15	VRF INDOOR UNIT	208 V	1	GLC-0.02KW / HTG-0.01KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	
1	FCU1-16	VRF INDOOR UNIT	208 V	1	GLC-0.02KW / HTG-0.01KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	
1	FCU1-17	VRF INDOOR UNIT	208 V	1	GLC-0.02KW / HTG-0.01KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	
1	ODU1-1 MODULE 1	VRF OUTDOOR UNIT	208 V	3	MCA 57	SEE PANEL SCHEDULE	1-1/4"C	3#1, 1#8G	FUSED DISC	90 A	ELEC	THIS UNIT IS MOUNTED ON THE PARKING LOT ROOF
1	ODU1-1 MODULE 2	VRF OUTDOOR UNIT	208 V	3	MCA 53	SEE PANEL SCHEDULE	1-1/4"C	3#1, 1#8G	FUSED DISC	80 A	ELEC	THIS UNIT IS MOUNTED ON THE PARKING LOT ROOF

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MECHANICAL EQUIPMENT SCHEDULE

SHEET NO.

E4.10

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Project Number

PRCTI20221714

MECH EQUIPMENT POWER CONNECTION SCHEDULE 2

QUANTITY	EQUIPMENT ID	ITEM DESCRIPTION	VOLTAGE	PHASE	MECHANICAL DEMAND	APPARENT POWER	CONDUIT SIZE	CONDUCTOR SIZE	LOCAL DISCONNECT	FUSE SIZE	DISCONNECT BY	REMARKS
1	ERV1-1	ENERGY RECOVERY UNIT	208 V	1	SF-0.425KW / EF-O.425KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	PROVIDE POWER AND INTERLOCK RELAY FOR DAMPERS.
1	ERV1-2	ENERGY RECOVERY UNIT	208 V	1	SF-0.515KW / EF-O.515KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	PROVIDE POWER AND INTERLOCK RELAY FOR DAMPERS.
1	ERV1-3	ENERGY RECOVERY UNIT	208 V	1	SF-0.425KW / EF-O.425KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	PROVIDE POWER AND INTERLOCK RELAY FOR DAMPERS.
1	ERV1-4	ENERGY RECOVERY UNIT	208 V	1	SF-0.515KW / EF-O.515KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	PROVIDE POWER AND INTERLOCK RELAY FOR DAMPERS.
1	ERV1-5	ENERGY RECOVERY UNIT	208 V	1	SF-0.34KW / EF-O.34KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	PROVIDE POWER AND INTERLOCK RELAY FOR DAMPERS.
1	ERV1-6	ENERGY RECOVERY UNIT	208 V	1	SF-0.515KW / EF-O.515KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	PROVIDE POWER AND INTERLOCK RELAY FOR DAMPERS.
1	ERV1-7	ENERGY RECOVERY UNIT	208 V	1	SF-0.515KW / EF-O.515KW	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	PROVIDE POWER AND INTERLOCK RELAY FOR DAMPERS.
1	MD-1A	MOTORIZED DAMPER	120 V	1	5W	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	INTERLOCK WITH ERV PER MECH SCHEDULE.
1	MD-1B	MOTORIZED DAMPER	120 V	1	5W	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	INTERLOCK WITH ERV PER MECH SCHEDULE.
1	MD-2A	MOTORIZED DAMPER	120 V	1	5W	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	INTERLOCK WITH ERV PER MECH SCHEDULE.
1	MD-2B	MOTORIZED DAMPER	120 V	1	5W	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	INTERLOCK WITH ERV PER MECH SCHEDULE.
1	MD-3A	MOTORIZED DAMPER	120 V	1	5W	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	INTERLOCK WITH ERV PER MECH SCHEDULE.
1	MD-3B	MOTORIZED DAMPER	120 V	1	5W	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	INTERLOCK WITH ERV PER MECH SCHEDULE.
1	MD-4A	MOTORIZED DAMPER	120 V	1	5W	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	INTERLOCK WITH ERV PER MECH SCHEDULE.
1	MD-4B	MOTORIZED DAMPER	120 V	1	5W	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	INTERLOCK WITH ERV PER MECH SCHEDULE.
1	MD-5A	MOTORIZED DAMPER	120 V	1	5W	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	INTERLOCK WITH ERV PER MECH SCHEDULE.
1	MD-5B	MOTORIZED DAMPER	120 V	1	5W	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	INTERLOCK WITH ERV PER MECH SCHEDULE.
1	MD-6A	MOTORIZED DAMPER	120 V	1	5W	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	INTERLOCK WITH ERV PER MECH SCHEDULE.
1	MD-6B	MOTORIZED DAMPER	120 V	1	5W	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	INTERLOCK WITH ERV PER MECH SCHEDULE.
1	MD-7A	MOTORIZED DAMPER	120 V	1	5W	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	INTERLOCK WITH ERV PER MECH SCHEDULE.
1	MD-7B	MOTORIZED DAMPER	120 V	1	5W	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS		ELEC	INTERLOCK WITH ERV PER MECH SCHEDULE.

PLUMBING EQUIPMENT POWER CONNECTION SCHEDULE

QUANTITY	EQUIPMENT ID	ITEM DESCRIPTION	VOLTAGE	PHASE	MECHANICAL DEMAND	APPARENT POWER	CONDUIT SIZE	CONDUCTOR SIZE	LOCAL DISCONNECT	FUSE SIZE	DISCONNECT BY	REMARKS
1	CP-1	PUMP	120 V	1	70W FLA, 1/2HP	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS	0 A	ELEC	
1	DP-1	DRIAN PUMP	120 V	1	9A, 1HP	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS	0 A	ELEC	
1	DP-2	DRIAN PUMP	120 V	1	4.5A, 0.4HP	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS	0 A	ELEC	
1	DP-3	DRIAN PUMP	120 V	1	4.5A, 0.4HP	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS	0 A	ELEC	
1	DP-4	DRIAN PUMP	120 V	1	4.5A, 0.4HP	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS	0 A	ELEC	
1	DP-5	DRIAN PUMP	120 V	1	4.5A, 0.4HP	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS	0 A	ELEC	
1	DP-6	DRIAN PUMP	120 V	1	9A, 1HP	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS	0 A	ELEC	
1	DP-7	DRIAN PUMP	120 V	1	9A, 1HP	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS	0 A	ELEC	
1	DP-8	DRIAN PUMP	120 V	1	4.5A, 0.4HP	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS	0 A	ELEC	
1	DP-9	DRIAN PUMP	120 V	1	9A, 1HP	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS	0 A	ELEC	
1	DP-10	DRIAN PUMP	120 V	1	9A, 1HP	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS	0 A	ELEC	
1	DP-11	DRIAN PUMP	120 V	1	9A, 1HP	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS	0 A	ELEC	
1	DP-12	DRIAN PUMP	120 V	1	4.5A, 0.4HP	SEE PANEL SCHEDULE	3/4"C	2#12, 1#12G	MRS	0 A	ELEC	
1	WP1-1	ELECTRICAL WATER HEATER	208 V	1	5500W	SEE PANEL SCHEDULE	3/4"C	2#8, 1#10G	FUSED DISC	35 A	ELEC	

•Separate electrical permit is required with Washington State Department of Labor & Industries.
https://lni.wa.gov/licensing-permits/electrical/electrical-permits-fees-and-inspections or Licensing information: Call 1-800-647-0982

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MECHANICAL / PLUMBING EQUIPMENT SCHEDULES

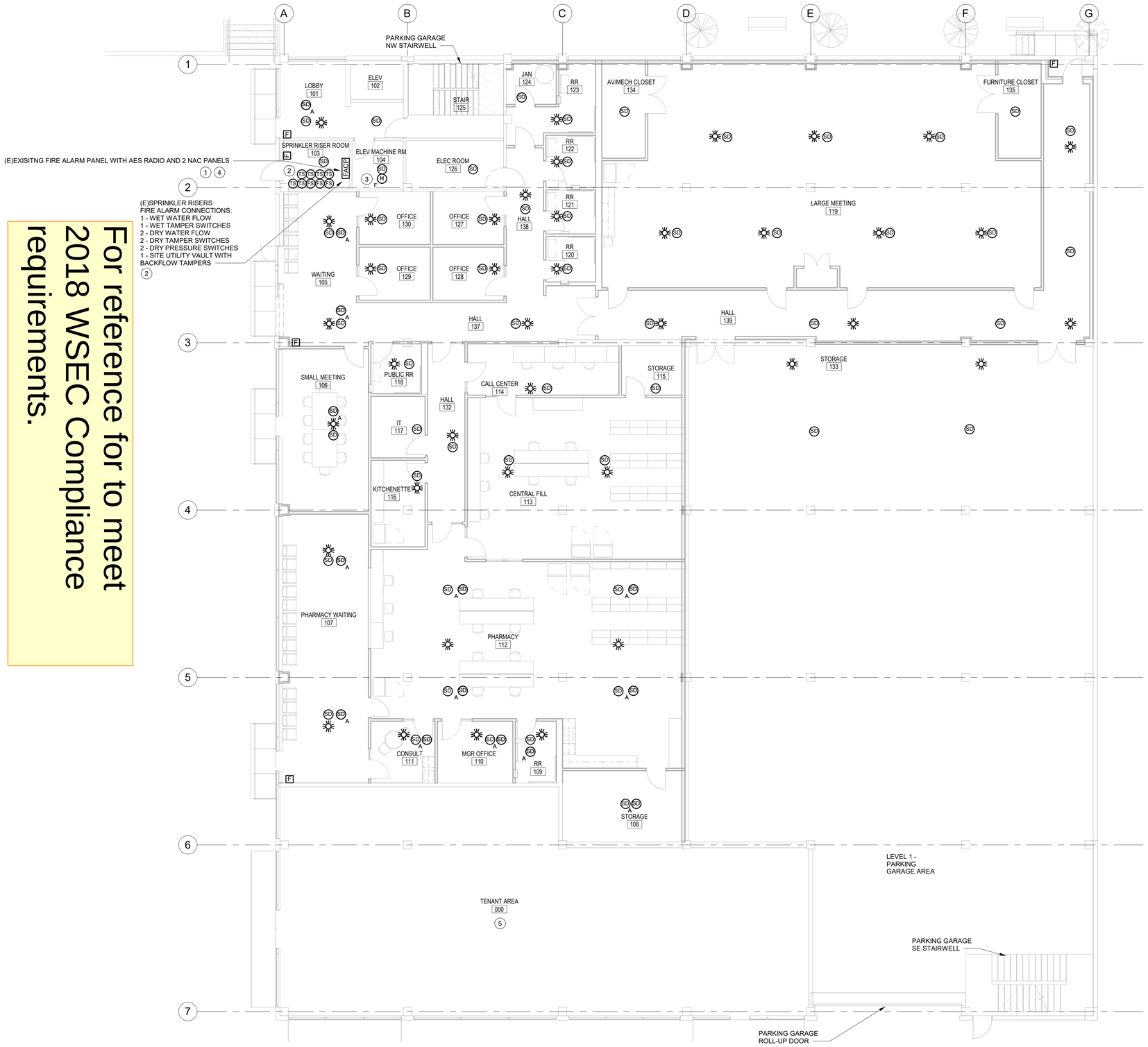
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PRCTI20221714

For reference for to meet 2018 WSEC Compliance requirements.



1 LEVEL 1 - FIRE ALARM PLAN
1/8" = 1'-0"

GENERAL NOTES

1. SCOPE OF WORK AREA IS THE ENTIRE BUILDING UNLESS NOTED OTHERWISE.
2. DEMO EXISTING UL FIRE ALARM SYSTEM WITH NEW. PROVIDE FIRE ALARM SYSTEM WITH A TOTAL SMOKE COVERAGE PER CITY OF PUYALLUP MUNICIPAL FIRE CODE AND UL FIRE ALARM CERTIFICATE.
3. PROVIDE ALL REQUIRED FIRE DETECTORS, DEVICES, RACEWAY, CABLING, MOUNTING HARDWARE, AND APPURTENANCES AS REQUIRED FOR COMPLETE OPERATIONAL SYSTEM.
4. PROVIDE HANGERS, SUPPORTS, PENETRATIONS, CUTTING, PATCHING, AND SEALING AS REQUIRED.
5. EXISTING WET AND DRY SPRINKLER RISERS TO REMAIN.
6. EXISTING ELEVATOR EQUIPMENT TO REMAIN.
7. REMOVE EXISTING FIRE ALARM PANELS AND DEVICES TO REMAIN UNLESS OTHER WISE NOTED.
8. THIS GARAGE BUILDING IS 4-STORIES REPLACE ALL FIRE ALARM DETECTORSAND DEVICES ON EVERY FLOOR. EACH LEVEL HAS THE FOLLOWING ITEMS:
   1 - WP RATE COMPENSATED HEAT DETECTOR WITH ADRESSABLE MODULE IN ELEVATOR LOBBY.
   1 - ADRESSABLE MODULE FOR SPRINKLER TAMPER SWITCH
   2 - WP MANUAL PULL STATION FOR STAIRWELLS
   8 - WP HORN/STROBES
   THERE IS 1 WP HORN/STROBE ON STREET SIDE OF BUILDING.

PLAN NOTES

1. REPLACE EXISTING UL LISTED FIRE ALARM SYSTEM WITH NEW FIRE ALARM PANEL, NAC PANELS, AES RADIO PANEL, AND DOOR HOLDER RELAY MODULE.
2. PROVIDE ALL FIRE ALARM MONITOR MODULES FOR THE EXISTING SPRINKLER SYSTEM RISERS. PROVIDE FIRE ALARM DEVICES,CONDUIT, CABLING, CONNECTIONS AS REQUIRED FOR A COMPLETE OPERATIONS SYSTEM.
3. EXISTING ELEVATOR MACHINE ROOM.
   PROVIDE FIRE ALARM RELAYS AND MONITOR MODULES AS REQUIRED FOR A COMPLETE OPERATIONAL SYSTEM.
   1 - PRIMARY MAIN RECALL - FIRE RELAY MODULE.
   1 - SECONDARY ALTERNATE RECALL - FIRE RELAY MODULE.
   1 - HAT ALTERANTE RECALL - FIRE RELAY MODULE.
   1 - SHUNT TRIP POWER - FIRE MONITOR MODULE
   1 - HEAT DETECTOR - FIRE ONITOR MODULE.
   REPLACE EXISTING HEAT DETECTOR WITH NEW DUAL CONTACT HEAT DETECTOR
   ADD A 120VAC FORM C TYPE RELAY TO MONITOR THE ELEVATOR SHUNT TRIP POWER AND SHUNT TRIP FIRE ALARM .
4. REPLACE EXISTING FIRE ALARM MAP WITH NEW REVISED FIRE ALARM GRAPHIC MAP.
5. REPLACE ALL EXISTING FIRE ALARM DEVICES IN THE EXISTING TENANT SPACE AND PROVIDE TOTAL SMOKE COVERAGE PER CITY OF PUYALLUP FIRE CODE. COORDICATE ALL WORK WITH OWNER AND TENANT PRIOR TO INSTALLATION AND TESTS. PROVIDE FIRE ALARM DEVICES,CONDUIT, CABLING, CONNECTIONS AS REQUIRED FOR A COMPLETE OPERATIONS SYSTEM.

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No.	Description	Date

SHEET TITLE

LEVEL 1 - FIRE ALARM PLAN

SHEET NO.

E5.01

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PRCTI20221714

CHC Puyallup Cannery Building Fire Alarm Control Panel FACP General Input and Output Matrix		System Outputs													
		ACTIVATION OF LOCAL ALARM AT FACP (LCD DISP. AUDIBLE INDICATION)	DISPLAY ALARM AT ANNUCIATOR	ACTIVATE ALL AUDIBLE/VISIBLE DEVICES	RELEASE DOOR HOLDERS AND SHUTDOWN COILING DOORS PER FLOOR	FIRE SMOKE DAMPERS	ACCESS CONTROL UNLOCK	HVAC SHUNT DOWN	ELEVATOR MAIN RECALL	ELECTRICAL ALTERNATE RECALL	ELEVATOR HAT RECALL	TRANSMIT ALARM EVENTS TO CENTRAL STATION MONITORING	TRANSMIT SUPERVISORY EVENTS TO CENTRAL STATION MONITORING	TRANSMIT GENERAL TROUBLE EVENTS TO CENTRAL STATION MONITORING
System Inputs	FIRE ALARM PANEL	X	X												X
	PULL STATIONS	X	X	X			X					X			X
	SMOKE DETECTORS	X	X	X			X	X				X			X
	ELEVATOR LOBBY 1ST SMOKE DETECTOR	X	X	X			X	X		X		X			X
	ELEVATOR LOBBY ALL OTHER SMOKE DETECTORS	X	X	X			X	X	X			X			X
	ELEVATOR MACHINE ROOM SMOKE	X	X	X			X	X		X	X	X			X
	ELEVATOR MACHINE POWER SHUNT LOSS	X	X											X	X
	SERVER ROOM SMOKE DETECTORS	X	X											X	X
	SERVER ROOM HEAT DETECTOR	X	X	X			X	X				X			X
	SERVER RM SPRINKLER PRESSURE SW	X	X											X	X
	SPRINKLER WATER FLOW SWITCHES	X	X	X			X	X	X			X			X
	SPRINKLER TAMPER SWITCHES	X	X											X	X
	SPRINKLER PRESSURE SWITCH	X	X											X	X
	DOOR SMOKE DETECTORS	X	X	X	X		X	X				X			X
	DAMPER SMOKE DETECTORS	X	X			X	X	X						X	X
	DUCT SMOKE DETECTORS	X	X			X	X	X						X	X

NOTES: ALL FIRE ALARM DEVICES SHALL REPORT TO CENTRAL STATION MONITORING BY POINT.
PROGRAM HVAC UNITS SHUTDOWN WITH FIRE/SMOKE DAMPERS DUCT DETECTOR AND DAMPER SMOKE DETECTORS.
PROVIDE BYPASS SWITCHES AS REQUIRED MAINTAINING FIRE ALARM SYSTEM DURING MAINTENANCE AND ANNUAL INSPECTION.

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH LATEST N.E.C., CITY OF PUYALLUP AND FIRE CODES.
2. DEMO EXISTING UL FIRE ALARM SYSTEM WITH NEW. PROVIDE FIRE ALARM SYSTEM WITH A TOTAL SMOKE COVERAGE PER CITY OF PUYALLUP MUNICIPAL FIRE CODE AND UL FIRE ALARM CERTIFICATE.
3. PROVIDE ALL REQUIRED FIRE DETECTORS, DEVICES, RACEWAY, CABLING, MOUNTING HARDWARE, AND APPURTENANCES AS REQUIRED FOR COMPLETE OPERATION.
4. EXISTING ONE WET AND TWO DRY SPRINKLER RISERS TO REMAIN.
5. EXISTING ELEVATOR EQUIPMENT TO REMAIN.
6. ALL EMPTY CONDUITS SHALL INCLUDE PULL STRING.
7. COORDINATE ALL WORK WITH OWNER REPRESENTATIVE FOR WORK SCHEDULES DETAILS PRIOR TO DECOMMISSIONED, DEMOLITION, RELOCATION, SHUT DOWN OF FIRE ALARM PANELS AND PANELBOARDS & ETC.
8. PROVIDE ELECTRICAL AND FIRE ALARM WORK ACCORDING TO CONSTRUCTION PHASING SCHEDULES. AT THE END OF EACH AREA OF CONSTRUCTION PER PHASING PLANNING SCHEDULE. PROVIDE ELECTRICAL AND FIRE ALARM COMMISSIONING TO INSURE COMPLETION OF WORK IS SATISFACTORY FOR ACCEPTANCE.

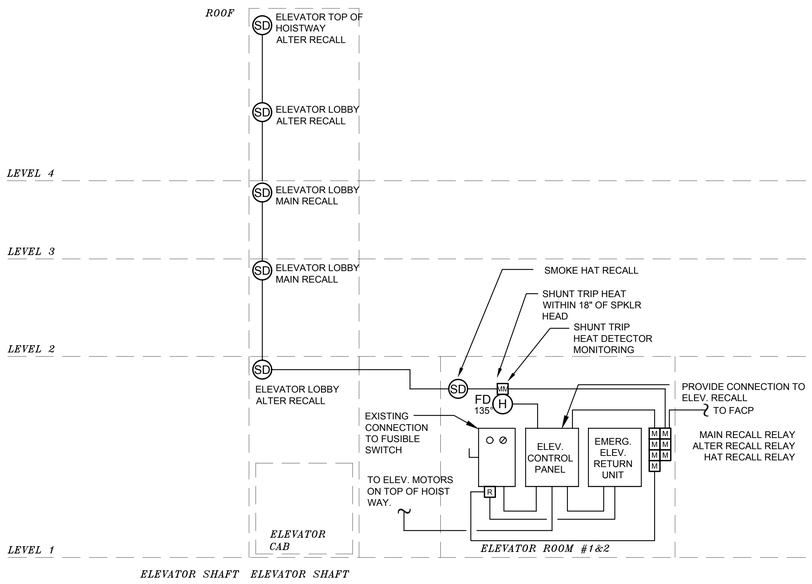


DIAGRAM NOTES:

1. CONTRACTOR TO PROVIDE ADDRESSABLE SMOKE DETECTORS IN ELEVATOR MACHINE ROOM AND ELEVATOR LOBBY FOR ELECTRICAL RECALL PROGRAM FUNCTIONS. CONTRACTOR TO PROVIDE THREE (3) ADDRESSABLE RELAY MODULES FOR ELECTRICAL RECALL MAIN, ALTERNATE, HAT PROGRAM FUNCTIONS PER ELEVATOR CODE. CONTRACTOR TO PROVIDE COMPLETE WIRING AND CONNECTIONS TO ELEVATOR CONTROLLER FOR COMPLETE OPERATION OF RECALL SYSTEM.
2. CONTRACTOR TO COORDINATE CONNECTION REQUIREMENTS WITH ELEVATOR SUPPLIER/CONTRACTOR PRIOR TO WORK.
3. CONTRACTOR TO PROVIDE COMPLETE POWER AND CONTROL CONNECTIONS TO ELEVATOR SYSTEM FOR COMPLETE OPERATION PER THE MANUFACTURER'S INSTRUCTIONS, WIRING DIAGRAMS, AND ALL CODES.
4. CONTRACTOR TO PROVIDE ADDRESSABLE MONITORING MODULE FOR ELEVATOR SHUNT TRIP POWER MONITORING. PROVIDE 120VAC INTERFACE RELAY INSIDE ENCLOSURE TO BE TIE INTO THE SHUNT TRIP POWER SOURCE FOR MONITORING THE POWER PER SEATTLE ELEVATOR CODE.
5. CONTRACTOR TO PROVIDE ADDRESSABLE MONITORING MODULE FOR ELEVATOR SHUNT TRIP DUAL CONTACT FIXED HEAT DETECTOR.
6. EXISTING ELEVATOR COMPANY SHALL BE A PART OF THE ELEVATOR AND FIRE ALARM INTERFACE. COORDINATE ALL ELEVATOR WORK WITH OWNER AND ELEVATOR CONTRACTOR.

2 - ELECTRICAL ELEVATOR RECALL DIAGRAM - GARAGE BLDG
SCALE: NTS

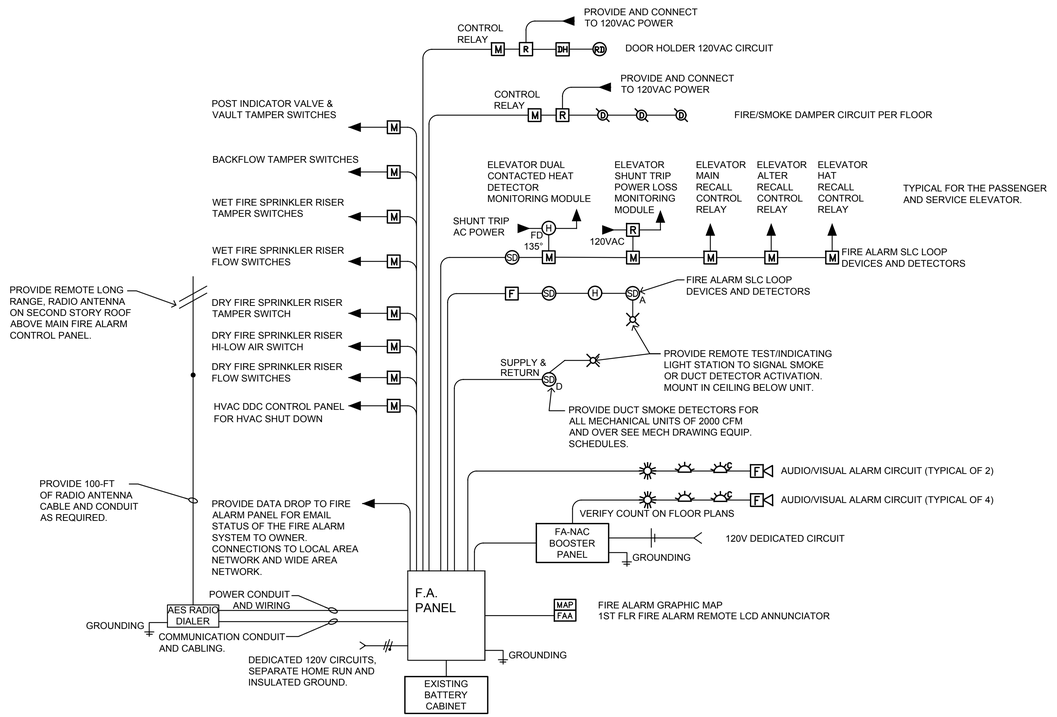


DIAGRAM NOTES:

1. PROVIDE ALL J-BOXES, CONDUIT, WIRING & CONNECTIONS TO ALL NEW DEVICES AS REQUIRED FOR COMPLETE FIRE ALARM SYSTEM.
2. REFER TO FLOOR PLAN FOR DEVICE COUNTS.
3. ALL DEVICES WILL BE MOUNTED IN AN ACCESSIBLE SPACE AND AT THE ELEVATION PER NFPA 72, ADA, AND AHJ CODES.
4. PROVIDE FLUSH MOUNT BACK BOXES FOR ALL DEVICES IN ALL FINISHED SPACE.
5. PROVIDE COMPLETE GROUNDING TO EQUIPMENT PER MANUFACTURERS RECOMMENDATION.
6. SEE FIRE ALARM SPECIFICATION FOR COMPLETE DETAILS.
7. PROVIDE NEW FIRE ALARM PANEL ADDRESSABLE.
8. PROVIDE SHUT DOWN CONNECTIONS FOR ALL 2000CFM HVAC UNITS WITH DUCT DETECTORS AS SHOWN.
9. SET ALL VISUAL DEVICES TO PROVIDE THE RIGHT COVERAGE OF CANDELA FOR THE SPACE PER NFPA 72 AND AHJ CODES.
10. SET ALL AUDIO DEVICES TO TEMPORAL AND TO BE 15dB ABOVE AMBIENT SOUND LEVEL OF THE ROOM PER NFPA 72 CODES TABLE.
11. ALL AUDIO AND VISUAL DEVICE WILL BE SYNC PER NFPA 72 CODES.
12. PROVIDE COMPLETE REPROGRAMMING OF SYSTEM TO UPDATE ALL ZONES, ADDRESSES, AND DIALER MONITORING BY POINTS.
13. PROVIDE COMPLETE SHOP PLANS FOR INSTALLATION AND AS-BUILT SET OF THESE PLANS NEXT TO FIRE ALARM PANEL ON COMPLETION.
14. PROVIDE CD-ROM, DVD, OR FINGER DRIVE OF PROGRAM DATA IN FIRE ALARM PANEL AS REQUIRED BY NFPA 72 CODES.
15. PROVIDE FIRE ALARM CURRENT AES RADIO DIALER OR EQUAL WITH REMOTE LONG RANGE ANTENNA TO MONITOR ALL FIRE ALARM LOG EVENTS (ALARM, SUPERVISORY, AND TROUBLE) TO TRANSMIT TO UL LISTED CENTRAL STATION MONITORING IN THE STATE OF WASHINGTON. COORDINATE MONITORING COMPANY WITH SOUND TRANSIT. MOUNT RADIO DIALER ADJACENT TO THE MAIN FIRE ALARM PANEL. TEST RADIO FOR SIGNAL WITH NORMAL ANTENNA, IF NO SIGNAL THEN MOUNT REMOTE LONG RANGE ANTENNA ON SECOND STORY ROOF TOP. COORDINATE ROUTING OF RADIO ANTENNA CONDUIT AND LOCATION OF ROOF TOP ANTENNA WITH ARCHITECT PRIOR TO INSTALLATION. PROVIDE 24VDC POWER FROM FIRE ALARM PANEL OR FIRE ALARM AUX POWER AND PROVIDE BATTERY-BACKUP IN RADIO DIALER. PROVIDE ALL EQUIPMENT, CONNECTIONS, AND PROGRAMMING FOR A COMPLETE OPERATIONAL SYSTEM.
16. PROVIDE ADDITIONAL NAC POWER SUPPLIES AS REQUIRED FOR NAC CIRCUITS AND 24VDC DOOR HOLDERS FOR A COMPLETE OPERATIONAL SYSTEM.

1 - ELECTRICAL FIRE LARM ONE-LINE DIAGRAM GARAGE BLDG
SCALE: NTS

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SHEET TITLE
ELECTRICAL FIRE ALARM ONE-LINE DIAGRAMS

SHEET NO.
E5.10

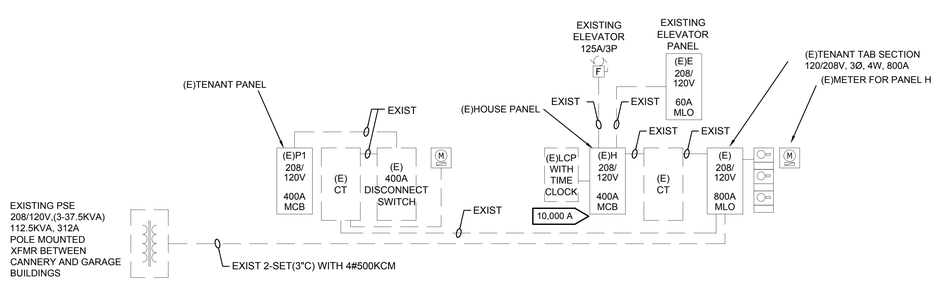
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PRCTI20221714

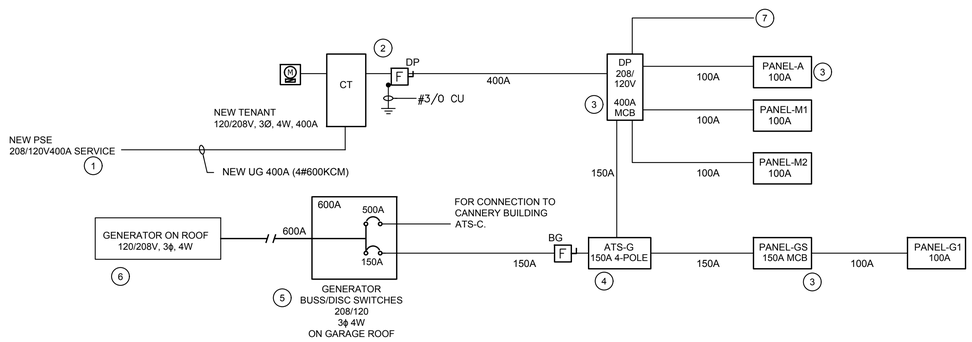
MAIN PANEL		LOCATION GARAGE BLDG						208/120 V		3 P		4 W	
DP		STORAGE 133						400 A		MAIN BKR 400		AIC 50K	
NO	LOAD	TYPE	KVA	A/P				A/P	KVA	TYPE	LOAD		NO
1	PANEL-A	SF	11.96	100/3	A			100/3	22.36	SF	PANEL-M1		2
3						B							4
5							C						6
7	ATS - PANEL-GS G1	SF	41.00	150/3	A			100/3	3.52	SF	PANEL-M2		8
9						B							10
11							C						12
13	ODU1 57 MCA	M	16.43	90/3	A			35/2	5.50	WH	WH-1		14
15	MOD-1					B							16
17							C	20/1	1.10	M	CP-1 1/2HP		18
19	ODU1 57 MCA	M	16.43	90/3	A			20/1			SPACE		20
21	MOD-2					B		20/1			SPACE		22
23							C	20/1			SPACE		24
25	SPACE				A			20/1			SPACE		26
27	SPACE					B		20/1			SPACE		28
29	SPACE						C	20/1			SPACE		30
31	SPACE				A			20/1			SPACE		32
33	SPACE					B		20/1			SPACE		34
35	SPACE						C	20/1			SPACE		36
37	SPACE				A			20/1			SPACE		38
39	SPACE					B		20/1			SPACE		40
41	SPACE						C	20/1			SPACE		42
43	SPACE				A			20/1			SPACE		44
45	SPACE					B		20/1			SPACE		46
47	SPACE						C	20/1			SPACE		48

LOAD TYPE	L	R	M	H	WH			D	A	K	LM	TOTAL		
BRANCH			33.96		5.50						16.43	39.46	KVA	109.52 A
PANEL-A	1.52	10.44										11.96	KVA	33.19 A
PANEL-GS G1	4.70	22.14	13.66	0.50							1.08	41.00	KVA	113.81 A
PANEL-M1		0.36		22.00								22.36	KVA	62.07 A
PANEL-M2			3.52								0.73	3.52	KVA	9.78 A
													KVA	A
CONN LOAD	6.22	32.94	51.14	22.50	5.50						16.43	118.30	KVA	328.37 A
DEMAND LOAD	7.78	21.47	51.14	22.50	5.50						4.11	112.49	KVA	312.25 A

SERVICE ENTRANCE X SURFACE
X INTEGRAL TVSS



1 - ELECTRICAL ONE-LINE DIAGRAM GARAGE BLDG - EXISITNG (REFERENCE ONLY)
SCALE: NONE



2 - ELECTRICAL ONE-LINE DIAGRAM GARAGE BLDG - NEW TENANT POWER SERVICE
SCALE: NONE

GENERAL NOTES

1. PROVIDE ALL COMPLETE NEW FEEDERS FOR ALL WORK.
2. ALL UTILITY WORK TO BE PERFORMED IN ACCORDANCE WITH PSE STANDARDS. COORDINATE ALL UTILITY WORK WITH PSE.
3. PROVIDE ALL NEW ELECTRICAL PANELS. SEE SCHEDULES.
4. REFER TO ELECTRICAL SITE PLAN FOR ADDITIONAL INFORMATION.

PLAN NOTES

1. PROVIDE NEW UG SERVICE FOR NEW TENANT. CONTACT PSE FOR NEW SERVICE REQUIREMENT.
2. PROVIDE NEW CT AND FUSED-DSICONNECT DP FOR NEW TENANT SERVICE.
3. PROVIDE ALL NEW 400A,120/208V, 3Ø, 4W PANEL DP AND FEEDER. TYPICAL.
4. PROVIDE AUTOMATIC ATS-G SWITCH, COMPLETE CONTROL CONDUIT AND CONTROL WIRING.
5. CONNECT TO NEW OUTDOOR GENERATOR BUSS/DISCONNECT ON GARAGE BUILDING ROOF, SEE SITE PLAN.
6. GENERATOR ON ROOF OF GARAGE BUILDING. SEE SITE PLAN.
7. 2" CONDUIT TO ROOF FOR PV SYSTEM.

For reference for to meet 2018 WSEC Compliance requirements.

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SHEET TITLE
ELECTRICAL
ONE-LINE DIAGRAM

SHEET NO.
E6.00

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Project Number

PRCTI20221714

PANEL A | **LOCATION** LEVEL 1 — AV/MECH CLOSET 134 | 208/120 V | 3 P | 4 W | 225 A | **MAIN** BKR 100A | **AIC** 22K

NO	LOAD	TYPE	KVA	A/P				A/P	KVA	TYPE	LOAD	NO
1	REC - KITCH 116	R	0.18	20/1	A			20/1	0.148	L	LT - CLOSET	2
3	REC - KITCH 116	R	0.18	20/1		B		20/1	0.518	L	LT - L MTG 119	4
5	REC - KITCH 116	R	0.18	20/1			C	20/1	0.259	L	LT - L MTG 119	6
7	REC - HALL 132	R	0.36	20/1	A			20/1	0.592	L	LT - L MTG 119	8
9	REC - RR 118	R	0.18	20/1		B		20/1			SPARE	10
11	SPARE			20/1			C	20/1	0.72	R	REC AV CLOSET134	12
13	SPARE			20/1	A			20/1	0.72	R	REC L MTG 119 WALL	14
15	REC - WAIT 105 HALL 137	R	0.54	20/1		B		20/1	0.18	R	REC L MTG 119 CNTR	16
17	REC - HALL 139	R	0.54	20/1			C	20/1	0.36	R	REC L MTG 119 CNTR	18
19	REC - RR 120 121	R	0.54	20/1	A			20/1	0.54	R	REC L MTG 119 WALL	20
21	REC - JAN RR 122 123	R	0.54	20/1		B		20/1	0.72	R	REC L MTG 119 WALL	22
23	REC SMMTG 106	R	0.72	20/1			C	20/1	0.72	R	REC L MTG 119 CLOSET 135	24
25	REC SMMTG 106	R	0.72	20/1	A			20/1	0.36	R	REC L MTG 119 FLOOR	26
27	REC SMMTG 106 FLOOR	R	0.36	20/1		B		20/1	0.36	R	REC L MTG 119 FLOOR	28
29	REC P WAIT 107	R	0.36	20/1			C	20/1			SPARE	30
31	REC P WAIT 107	R	0.36	20/1	A			20/1			SPARE	32
33	SPARE			20/1		B		20/1			SPARE	34
35	SPARE			20/1			C	20/1			SPARE	36
37	SPARE			20/1	A			20/1			SPARE	38
39	SPARE			20/1		B		20/1			SPARE	40
41	SPARE			20/1			C	20/1			SPARE	42
43	SPARE			20/1	A			20/1			SPARE	44
45	SPARE			20/1		B		20/1			SPARE	46
47	SPARE			20/1			C	20/1			SPARE	48
49	SPARE			20/1	A			20/1			SPARE	50
51	SPARE			20/1		B		20/1			SPARE	52
53	SPARE			20/1			C	20/1			SPARE	54

LOAD TYPE	L	R	M	H	WH	D	A	K	LM	TOTAL
CONN. LOAD	1.52	10.44								11.96 KVA 33.19 A
DEMAND LOAD	1.90	10.22								12.12 KVA 33.63 A

SERVICE ENTRANCE — X SURFACE
X INTEGRAL TVSS — FLUSH

PANEL GS | **LOCATION** LEVEL1 — STORAGE 133 | 208/120 V | 3 P | 4 W | 200 A | **MAIN** BKR 150 | **AIC** 22K

NO	LOAD	TYPE	KVA	A/P				A/P	KVA	TYPE	LOAD	NO
1	REC CALL CENTER 114	R	0.18	20/1	A			20/1	0.72	R	REC PHARMACY 112	2
3	REC CALL CENTER 114	R	0.72	20/1		B		20/1	0.72	R	REC PHARMACY 112	4
5	REC CALL CENTER 114	R	0.54	20/1			C	20/1	0.72	R	REC PHARMACY 112	6
7	REC CALL CENTER 114	R	0.18	20/1	A			20/1	0.72	R	REC PHARMACY 112	8
9	REC CALL CENTER 114	R	0.36	20/1		B		20/1	0.72	R	REC PHARMACY 112	10
11	REC CALL CENTER 114	R	0.36	20/1			C	20/1	0.54	R	REC PHARMACY 112	12
13	REC STOR 28	R	0.18	20/1	A			20/1	0.18	R	REC PHARMACY 112	14
15	REC CENTRAL FILL 113	R	0.36	20/1		B		20/1	0.18	R	REC PHARMACY REF	16
17	REC CENTRAL FILL 113	R	0.36	20/1			C	20/1	0.18	R	REC PHARMACY REF	18
19	REC CENTRAL FILL 113	R	0.72	20/1	A			20/1	0.18	R	REC PHARMACY REF	20
21	REC CENTRAL FILL 113	R	0.72	20/1		B		20/1	0.18	R	REC PHARMACY CNTR	22
23	REC CENTRAL FILL 113	R	0.72	20/1			C	20/1	0.18	R	REC PHARMACY CNTR	24
25	REC CENTRAL FILL 113	R	0.18	20/1	A			20/1	0.36	R	REC PHARMACY CNTR	26
27	REC CENTRAL FILL REF	R	0.18	20/1		B		20/1	0.18	R	REC PHARMACY CNTR	28
29	REC CENTRAL FILL REF	R	0.18	20/1			C	20/1	0.18	R	REC PHARMACY CNTR	30
31	REC CENTRAL FILL 113	R	0.36	20/1	A			20/1	0.18	R	REC PHARMACY PILL	32
33	REC CENTRAL FILL 113	R	0.18	20/1		B		20/1	0.18	R	REC PHARMACY PILL	34
35	REC KITCH 116 REF	R	0.18	20/1			C	20/1	0.36	R	REC RR109	36
37	REC KITCH 116	R	0.36	20/1	A			20/1	0.54	R	REC MGR OFFICE 110	38
39	REC IT 117 SECURITY ALARM	R	0.36	20/1		B		20/1	0.72	R	REC CONSULT 111	40
41	REC IT 117	R	0.72	20/1			C	20/1	0.72	R	REC OFFICE	42
43	REC IT 117	R	0.36	20/1	A			20/1	0.72	R	REC OFFICE	44
45	REC IT 117	D	1.50	30/2		B		20/1	0.72	R	REC OFFICE	46
47							C	20/1	0.72	R	REC OFFICE	48
49	REC IT 117	D	1.50	30/2	A			20/1			SPARE	50
51						B		20/1			SPARE	52
53	GENSET BATTERY CHGR	D	0.50	20/1			C	20/1			SPARE	54
55	GENSET BLOCK HEATER	H	0.50	20/1	A			20/1			SPARE	56
57	SPARE			20/1		B		20/1			SPARE	58
59	SPARE			20/1			C	20/1			SPARE	60
61	SPARE			20/1	A			100/3	21.24	SF	PANEL-G1	62
63	SPARE			20/1		B						64
65	SPARE			20/1			C					66

LOAD TYPE	L	R	M	H	WH	D	A	K	LM	TOTAL
BRANCH		19.26		0.50		3.50				23.26 KVA 64.56 A
PANEL-G1	4.70	2.88	13.66						1.08	21.24 KVA 58.96 A
										KVA A
CONN LOAD	4.70	22.14	13.66	0.50					1.08	41.00 KVA 113.81 A
DEMAND LOAD	5.88	16.07	13.66	0.50					0.27	36.38 KVA 100.98 A

SERVICE ENTRANCE — X SURFACE
X INTEGRAL TVSS

PANEL G1 | **LOCATION** LEVEL1 — STORAGE 133 | 208/120 V | 3 P | 4 W | 225 A | **MAIN** LUGS | **AIC** 22K

NO	LOAD		TYPE	KVA	A/P				A/P	KVA	TYPE	LOAD	NO
1	ERV1-1		M	0.52	15/2	A			20/1	0.05	L	LT - EXIT LIGHTS	2
3							B		20/1	0.05	L	LT - EXIT LIGHTS	4
5	ERV1-2		M	0.52	15/2			C	20/1	0.100	L	LT - EXTERIOR	6
7						A			20/1	0.407	L	LT - HALL 139	8
9	ERV1-3		M	0.52	15/2		B		20/1	0.555	L	LT - HALL 137 RR WATING	10
11								C	20/1	0.296	L	LT - OFFICES	12
13	ERV1-4		M	0.52	15/2	A			20/1	0.777	L	LT - IT BREAK RR MTG WAIT	14
15							B		20/1	0.740	L	LT - CALL CTR, C FILL	16
17	ERV1-5		M	0.52	15/2			C	20/1	0.703	L	LT - PHARMACY	18
19						A			20/1	0.703	L	LT - PHARMACY OFFICE	20
21	ERV1-6		M	0.52	15/2		B		20/1	0.222	L	LT - STOR133	22
23								C	20/1	0.10	L	LT - CONTROL	24
25	ERV1-7		M	0.52	15/2	A			20/1			SPARE	26
27							B		20/1	0.72	R	REC OFFICE 127	28
29	MOTORISED DAMPERS MD		M	0.10	20/1			C	20/1	0.72	R	REC OFFICE 128	30
31	MOTORISED DAMPERS MD		M	0.10	20/1	A			20/1	0.72	R	REC OFFICE 129	32
33	SPARE				20/1		B		20/1	0.72	R	REC OFFICE 130	34
35	DP-1	9 A	M	1.08	20/1			C	20/1			SPARE	36
37	DP-2	4.5 A	M	0.54	20/1	A			20/1			SPARE	38
39	DP-3	4.5 A	M	0.54	20/1		B		20/1			SPARE	40
41	DP-4	4.5 A	M	0.54	20/1			C	20/1			SPARE	42
43	DP-5	4.5 A	M	0.54	20/1	A			20/1			SPARE	44
45	DP-6	9 A	M	1.08	20/1		B		20/1			SPARE	46
47	DP-7	9 A	M	1.08	20/1			C	20/1			SPARE	48
49	DP-8	4.5 A	M	0.54	20/1	A			20/1			SPARE	50
51	DP-9	9 A	M	1.08	20/1		B		20/1			SPARE	52
53	DP-10	9 A	M	1.08	20/1			C	20/1			SPARE	54
55	DP-11	9 A	M	1.08	20/1	A			20/1			SPARE	56
57	DP-12	4.5 A	M	0.54	20/1		B		20/1			SPARE	58
59	TP-01		M	0.10	20/1			C	20/1			SPARE	60
61	SPARE				20/1	A			20/1			SPARE	62
63	SPARE				20/1		B		20/1			SPARE	64
65	SPARE				20/1			C	20/1			SPARE	66

LOAD TYPE	L	R	M	H	WH	D	A	K	LM	TOTAL
CONN. LOAD	4.70	2.88	13.66						1.08	21.24 KVA 58.96 A
DEMAND LOAD	5.88	2.88	13.66						0.27	22.69 KVA 62.98 A

SERVICE ENTRANCE — X SURFACE
INTEGRAL TVSS — FLUSH

PANEL M1 | **LOCATION** LEVEL 1 — AV/MECH CLOSET 134 | 208/120 V | 3 P | 4 W | 225 A | **MAIN** LUGS | **AIC** 22K

NO	LOAD	TYPE	KVA	A/P				A/P	KVA	TYPE	LOAD	NO
1	REC - ROOF	R	0.18	20/1	A			20/3	3.0	H	DH-1 DUCT HEATER	2
3	REC - OUTDOOR	R	0.18	20/1		B						4
5	SPARE			20/1			C					6
7	SPARE			20/1	A			20/3	3.5	H	DH-2 DUCT HEATER	8
9	SPARE			20/1		B						10
11	SPARE			20/1			C					12
13	SPARE			20/1	A			20/3	3.0	H	DH-3 DUCT HEATER	14
15	SPARE			20/1		B						16
17	SPARE			20/1			C					18
19	SPARE			20/1	A			20/3	3.5	H	DH-4 DUCT HEATER	20
21	SPARE			20/1		B						22
23	SPARE			20/1			C					24
25	SPARE			20/1	A			20/3	2.0	H	DH-5 DUCT HEATER	26
27	SPARE			20/1		B						28
29	SPARE			20/1			C					30
31	SPARE			20/1	A			20/3	3.5	H	DH-6 DUCT HEATER	32
33	SPARE			20/1		B						34
35	SPARE			20/1			C					36
37	SPARE			20/1	A			20/3	3.5	H	DH-7 DUCT HEATER	38
39	SPARE			20/1		B						40
41	SPARE			20/1			C					42

LOAD TYPE	L	R	M	H	WH	D	A	K	LM	TOTAL
CONN. LOAD		0.36		22.00						22.36 KVA 62.07 A
DEMAND LOAD		0.36		22.00						22.36 KVA 62.07 A

SERVICE ENTRANCE — X SURFACE
INTEGRAL TVSS — FLUSH

PANEL M2 | **LOCATION** LEVEL 1 — AV/MECH CLOSET 134 | 208/120 V | 3 P | 4 W | 225 A | **MAIN** LUGS | **AIC** 22K

NO	LOAD		TYPE	KVA	A/P				A/P	KVA	TYPE	LOAD	NO
1	FCU1-1	0.24 MCA	M	0.040	15/2	A			15/2	0.105	M	FCU1-9 0.63 MCA	2
3							B						4
5	FCU1-2	0.24 MCA	M	0.040	15/2			C	15/2	0.04	M	FCU1-10 0.24 MCA	6
7						A							8
9	FCU1-3	0.63 MCA	M	0.105	15/2		B		15/2	0.48	M	FCU1-11 2.88 MCA	10
11								C					12
13	FCU1-4	0.63 MCA	M	0.105	15/2	A			15/2	0.73	M	FCU1-12 4.38 MCA	14
15							B						16
17	FCU1-5	0.24 MCA	M	0.040	15/2			C	15/2	0.71	M	FCU1-13 4.25 MCA	18
19						A							20
21	FCU1-6	0.24 MCA	M	0.040	15/2		B		15/2	0.04	M	FCU1-14 0.24 MCA	22
23								C					24
25	FCU1-7A	0.63 MCA	M	0.105	15/2	A			15/2	0.04	M	FCU1-15 0.24 MCA	26
27							B						28
29	FCU1-7B	0.63 MCA	M	0.105	15/2			C	15/2	0.04	M	FCU1-16 0.24 MCA	30
31						A							32
33	FCU1-8A	0.63 MCA	M	0.105	15/2		B		15/2	0.04	M	FCU1-17 0.24 MCA	34
35								C					36
37	FCU1-8B	0.63 MCA	M	0.105	15/2	A			15/2	0.516	M	BC1-1 & BC1-2	38
39							B						40
41	SPARE				20/1			C	20/1			SPARE	42
43	SPARE				20/1	A			20/1			SPARE	44
45	SPARE				20/1		B		20/1			SPARE	46
47	SPARE				20/1			C	20/1			SPARE	48

LOAD TYPE	L	R	M	H	WH	D	A	K	LM	TOTAL
CONN. LOAD			3.52						0.73	3.52 KVA 9.78 A
DEMAND LOAD			3.52						0.18	3.71 KVA 10.29 A

SERVICE ENTRANCE — X SURFACE
INTEGRAL TVSS — FLUSH

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ELECTRICAL SCHEDULES

SHEET NO.

E6.01

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Project Number

PRCTI20221714

PLUMBING GENERAL NOTES:

GENERAL:

1. COORDINATE ALL PLUMBING WORK WITH ELECTRICAL, ARCHITECTURAL, STRUCTURAL, CIVIL AND LANDSCAPE WORK. PROVIDE ADDITIONAL OFFSETS FOR COORDINATED INSTALLATION WHERE REQUIRED.
2. COORDINATE ALL PLUMBING WORK PRIOR TO INSTALLATION. DUCTWORK AND EQUIPMENT ACCESS TAKES PRECEDENCE OVER PIPING FOR AVAILABLE SPACE.
3. WHERE USED, THE TERM "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".
4. COORDINATE EQUIPMENT CONNECTIONS WITH MANUFACTURERS' CERTIFIED DRAWINGS. COORDINATE AND PROVIDE PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE PIPING DIMENSIONS BEFORE FABRICATION.
5. PROVIDE 4" MINIMUM CONCRETE BASES (HOUSEKEEPING PADS) UNDER FLOOR MOUNTED PLUMBING EQUIPMENT.
6. PROVIDE MISCELLANEOUS STEEL REQUIRED TO ENSURE PROPER INSTALLATION OF PLUMBING SYSTEMS.
7. LOCATE VALVES, WATER HAMMER ARRESTERS, CLEANOUTS, CONTROLS AND SIMILAR COMPONENTS SO THAT THEY ARE ACCESSIBLE. PROVIDE ACCESS DOORS FOR MECHANICAL EQUIPMENT INSTALLED BEHIND WALLS, ABOVE INACCESSIBLE CEILINGS AND BELOW FLOORS. COORDINATE ACCESS DOOR LOCATIONS WITH ARCHITECT.
8. COORDINATE ATTACHMENTS TO STRUCTURE TO VERIFY THAT ATTACHMENT POINTS ON EQUIPMENT AND STRUCTURE CAN ACCEPT SEISMIC, WEIGHT, AND OTHER LOADS IMPOSED.
9. MAINTAIN INDICATED FIRE AND SMOKE RATING OF WALLS, PARTITIONS, CEILINGS, AND FLOORS AT MECHANICAL PENETRATIONS. SEAL PENETRATIONS WITH FIRESTOP MATERIAL. PROVIDE MATERIAL IN ACCORDANCE WITH ASTM E 814 AND UL 1479 3M OR APPROVED.
10. LOCATIONS AND SIZES OF FLOOR, WALL, AND ROOF OPENINGS SHALL BE COORDINATED WITH OTHER TRADES INVOLVED. INCLUDE IN THE COST OF MECHANICAL WORK, CUTTING, CORING, PATCHING AND PAINTING OF WALLS, CEILINGS, FLOORS AND ROOFS AS REQUIRED TO ACCOMMODATE WORK AS INDICATED IN THE MECHANICAL CONTRACT DOCUMENTS, UNLESS SPECIFICALLY SHOWN ON ARCHITECTURAL DRAWINGS.
11. PROVIDE ELASTOMERIC FOAM MATERIAL ON MECHANICAL EQUIPMENT THAT PRESENT A SAFETY HAZARD. PAINT FOAM MATERIAL WHITE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFEKEEPING OF HIS OWN PROPERTY ON THE JOB SITE. OWNER ASSUMES NO RESPONSIBILITY FOR PROTECTION OF PROPERTIES AGAINST FIRE, THEFT AND ENVIRONMENTAL CONDITIONS.
13. CLEAN THE JOB SITE DAILY AND REMOVE FROM THE PREMISES ANY DIRT AND DEBRIS CAUSE BY THE PERFORMANCE OF THE WORK INCLUDED IN THIS CONTRACT. BEFORE SUBSTANTIAL COMPLETION, CLEAN EQUIPMENT, FIXTURES, EXPOSED DUCTS, PIPING AND SIMILAR ITEMS.
14. PROVIDE EQUIPMENT THAT FITS INTO THE SPACE ALLOTTED AND ALLOWS ADEQUATE ACCEPTABLE CLEARANCE FOR INSTALLATION, REPLACEMENT, ENTRY, SERVICING AND MAINTENANCE. COORDINATE WITH OTHER TRADES TO ENSURE NO CONFLICT WITH REQUIRED CLEARANCES.
15. PROVIDE OFFSETS IN PIPING WHERE PLUMBING/PIPING WALL IS LOCATED DIRECTLY ABOVE STRUCTURE. OFFSET PIPING INTO CASEWORK OR SHAFT TIGHT TO WALL AND BACK INTO WALL ONCE BELOW STRUCTURE. REFER TO STRUCTURAL DRAWINGS.
16. BUILDING SPACE IS LIMITED. STRONG ATTENTION TO DETAIL AND CARE MUST BE TAKEN WHEN DEVELOPING SHOP DRAWING SO ROUTING IS COORDINATED WITH OTHER DISCIPLINES. ALL EXPOSED SYSTEMS ROUTING REQUIRES APPROVAL OF ARCHITECT.
17. STANDARD CURRENT TRADE PRACTICES & METHODS APPLY TO THIS PROJECT. ALL WORK IS TO MEET REQUIREMENTS OF ALL CURRENT CODE & LOCAL JURISDICTIONAL REQUIREMENTS AND AMENDMENTS. THESE CODES INCLUDE BUT ARE NOT LIMITED TO WASHINGTON STATE ENERGY CODE, INTERNATIONAL MECHANICAL CODE, INTERNATIONAL BUILDING CODE, UNIFORM PLUMBING CODE, NFPA, INTERNATIONAL FIRE CODE, & LOCAL JURISDICTIONAL REQUIREMENTS. COMPLY WITH ALL MANUFACTURER'S REQUIREMENTS. COORDINATE WITH OWNER'S REPRESENTATIVE FOR ANY VARIANCES.
18. DRAWINGS ARE DIAGRAMMATIC ONLY & NOT INTENDED TO SHOW ALL DETAILS OF THE WORK. VERIFY LOCATION & MEASUREMENTS OF ALL ITEMS ON THE JOB SITE PRIOR TO INSTALLATION. CONTRACTOR SHALL PROVIDE ALL OFFSETS & ADDITIONAL PIPING AS NECESSARY TO AVOID STRUCTURAL ELEMENTS ON THE PROJECT. CONTRACTOR SHALL PRODUCE SHOP DRAWINGS & COORDINATE WITH OTHER TRADES. THERE SHALL BE NO ADDITIONAL COST TO THE OWNER FOR THIS COORDINATION OR FOR EXTRA MATERIAL REQUIRED IN ORDER TO ACCOMPLISH THIS TASK.
19. ALL EQUIPMENT SHALL BE REGULARLY CATALOGED ITEMS OF THE MANUFACTURER & SHALL BE SUPPLIED AS A COMPLETE UNIT IN ACCORDANCE WITH THE MANUFACTURER'S STANDARD SPECIFICATIONS. ANY OPTIONAL ITEMS REQUIRED FOR PROPER INSTALLATION SHALL BE INCLUDED UNLESS OTHERWISE NOTED.
20. ANY CUTTING, PATCHING & PAINTING OF BUILDING ELEMENTS & FINISHED SURFACES IS TO BE DONE BY THE GENERAL CONTRACTOR.
21. ALL APPLIANCES DESIGNED TO BE FIXED IN POSITION SHALL BE SECURELY FASTENED IN PLACE.
22. ALL EQUIPMENT SHALL BE LABELED PER PLANS.
23. RATING OF ACCESS DOORS AND/OR ACCESS PANELS THROUGH FIRE-RATED WALLS, SHAFTS, CEILINGS, ETC., MUST EQUAL THE FIRE RATING OF THE MATERIAL PENETRATED.
24. CAULK & FLASH ALL PENETRATIONS PER CODE.
25. PROVIDE OPERATING & MAINTENANCE MANUALS (O&MS), RECORD DRAWINGS, & OWNER TRAINING IN ACCORDANCE WITH THE WASHINGTON STATE ENERGY CODE.
26. PROVIDE NATIONAL ELECTRICAL CODE (NEC) MINIMUM WORKING CLEARANCE IN FRONT OF ANY ELECTRICAL PANEL, INCLUDING PANELS ON EQUIPMENT. RE-ROUTE OR OFFSET PIPING AS REQUIRED.
27. DOMESTIC HOT WATER CIRCULATORS SHALL BE CONTROLLED BY AN AQUASTAT, & SHALL SHUT DOWN WHEN WATER TEMPERATURE IS AT SETPOINT. DOMESTIC HOT WATER CIRCULATION SHALL HAVE SHUT-OFF CAPACITY BASED ON OCCUPANCY AND PERIODS OF DEMAND.
28. DOMESTIC PIPING SHALL BE INSULATED IN ACCORDANCE WITH THE WASHINGTON STATE ENERGY CODE. DOMESTIC HOT WATER PIPE INSULATION SHALL BE K=0.24, 1" THICK, EXCEPT RUNOUTS UP TO 12' SHALL BE 1/2"THICK. DOMESTIC COLD WATER PIPE INSULATION SHALL BE K=0.24, 1" THICK FOR PIPING LARGER THAN 1", & 1/2" THICK FOR PIPING 1" & LESS & RUNOUTS LESS THAN 2" DIAMETER UP TO 12'. INCREASE THICKNESS BY 1/2" FOR PIPING EXPOSED DIRECTLY TO OUTDOOR CONDITIONS.
29. PROVIDE COMMISSIONING OF THE WATER SERVICE SYSTEM. INCLUDE FUNCTIONAL TESTING OF OPERATION & TEST PROCEDURES PER WASHINGTON STATE ENERGY CODE. ITEMS TO BE COMMISSIONED ARE: CONTROL DEVICES, PUMPS PROVIDE PRELIMINARY AND FINAL COMMISSIONING REPORTS. SUBMIT FIGURE C408.1.2.1 COMPLIANCE CHECKLIST FROM WASHINGTON STATE ENERGY CODE TO AUTHORITY HAVING JURISDICTION UPON COMPLETION OF PRELIMINARY COMMISSIONING REPORT. PROVIDE CLOSEOUT DOCUMENTS IN COMPLIANCE WITH C103.6
30. SERVICE WATER PIPING INSULATION CONDUCTIVITY IS NOT TO EXCEED 0.27 BTU PER INCH/H*SQ.FT*DEGREE F
    INSULATION THICKNESS SHALL BE PER TABLE C403.2.9.
31. PROTECT PIPING INSULATION PER REQUIREMENTS OF THE WSEC, SECTION C403.2.9.1.
32. PROVIDE WATER SYSTEM BALANCING DEVICES, INCLUDING ISOLATION VALVES, BALANCING VALVES, AND FLOW
    MEASURING DEVICES AS SHOWN ON PLANS.
33. PER WSBC 2902.5.1, EXCEPTION 2 A DRINKING FOUNTAIN NEED NOT BE PROVIDED IN A DRINKING OR DINING
    ESTABLISHMENT.
    THE CLASSROOMS FUNCTION AS A DRINKING/DINING ESTABLISHMENT AS:
    - SNACKS ARE PROVIDED EVERY 2-3 HOURS PER WAC 110-300-0180.
    - CHILDREN ARE OFFERED FRESH DRINKING WATER MULTIPLE TIMES PER DAY AND FRESH DRINKING WATER IS
    READILY AVAILABLE TO CHILDREN AT ALL TIMES PER WAC 110-300-0236.

PLUMBING GENERAL NOTES:

PLUMBING:

1. DOMESTIC WATER TUBE, PIPE, FITTINGS, JOINING MATERIALS, SPECIALTIES, PLUMBING EQUIPMENT, PLUMBING FIXTURES, PLUMBING FITTINGS AND ALL OTHER APPURTENANCES IN CONTACT WITH DRINKING WATER SHALL BE LEAD-FREE EXCEPT THOSE EXPLICITLY EXEMPTED IN SECTION 3874 OF THE SAFE WATER DRINKING ACT. LEAD-FREE SHALL MEAN (A) NOT CONTAINING MORE THAN 0.2 PERCENT LEAD WHEN USED WITH RESPECT TO SOLDER AND FLUX; AND (B) NOT MORE THAN A WEIGHTED AVERAGE OF 0.25 PERCENT LEAD WHEN USED WITH RESPECT TO WETTED SURFACES OF DOMESTIC WATER TUBE, PIPE, FITTINGS, JOINING MATERIALS, SPECIALTIES, PLUMBING EQUIPMENT, PLUMBING FIXTURES, AND PLUMBING FITTINGS.
2. PROVIDE WATER HAMMER ARRESTORS IN DOMESTIC WATER PIPING IN ACCORDANCE WITH PDI-WH 201.
3. PROVIDE LINE SIZE STRAINER UPSTREAM OF EACH BACKFLOW PREVENTER, WATER PRESSURE REDUCING VALVE, CONTROL VALVE, SOLENOID VALVE AND PUMP. PROVIDE SHUTOFF VALVE ON EACH SIDE OF STRAINER.
4. VALVES, EXPANSION FITTINGS/LOOPS, AND PIPING SPECIALTIES SHALL BE FULL SIZE OF PIPE UNLESS NOTED OTHERWISE.
5. PROVIDE TRAP PRIMER FOR ALL FLOOR DRAINS, FLOOR SINKS, AND AIR GAP DRAIN TRAPS.

PIPING:

1. VALVES SHALL BE INSTALLED SO THAT VALVE REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON EQUIPMENT SIDE OF VALVE IS REMOVED.
2. ALL VALVES (EXCEPT CONTROL VALVES) AND STRAINERS SHALL BE FULL SIZE OF PIPE BEFORE REDUCING SIZE TO MAKE CONNECTIONS TO EQUIPMENT AND CONTROLS.
3. PROVIDE UNIONS AND/OR FLANGES AT EACH PIECE OF EQUIPMENT, AT EACH CONTROL VALVE, IN BYPASSES, AND IN LONG PIPING RUNS (100 FEET OR MORE) TO PERMIT DISASSEMBLY FOR ALTERATION AND REPAIRS.
4. PROVIDE FLEXIBLE CONNECTORS IN PIPING SYSTEMS CONNECTED TO EQUIPMENT WHICH REQUIRE VIBRATION ISOLATION.

PLUMBING ABBREVIATIONS

ABBREV.	DESCRIPTION
Ø	DIAMETER, PHASE
A	AIR
AAV	AUTOMATIC AIR VENT
ABV	ABOVE
AD	AREA DRAIN, ACCESS DOOR
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECT
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR-CONDITIONING ENGINEERS, INC.
ATM	ATMOSPHERE
BLDG	BUILDING
BLW	BELOW
BOP	BOTTOM OF PIPE
BOT	BOTTOM
CAP	CAPACITY
CLG	CEILING
CO	CLEANOUT
CONN	CONNECTION
CW	DOMESTIC COLD WATER
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DWG	DRAWING
EFF	EFFICIENCY
ELEC	ELECTRIC
ELEV	ELEVATION
EQUIP	EQUIPMENT
ET	EXPANSION TANK
°F	DEGREES FAHRENHEIT
FC	FLEXIBLE CONNECTOR
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FLR	FLOOR
FT	FEET, FINNED TUBE
FV	FACE VELOCITY
G	GAS
HB	HOSE BIBB
HP	HEAT PUMP, HORSEPOWER
HR	HOUR
HT	HEIGHT
HW	DOMESTIC HOT WATER
HWC	DOMESTIC HOT WATER CIRCULATING
I.E.	INVERT ELEVATION
IN	INCH
LAV	LAVATORY
LB	POUND
MECH	MECHANICAL
MED	MEDIUM
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MS	MOP SINK
MTD	MOUNTED
(N)	NEW
NA	NOT APPLICABLE
NO.	NUMBER
NTS	NOT TO SCALE
POC	POINT OF CONNECTION
RM	ROOM
SPEC	SPECIFICATION
SUP	SUPPLY
TAB	TESTING, ADJUSTING AND BALANCING
TEMP	TEMPERATURE
TYP	TYPICAL
V	VENT, VOLTS
VEL	VELOCITY
VTR	VENT THRU ROOF
W	WASTE, WATT, WIDTH
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WATER HEATER
W/O	WITHOUT
WSEC	WASHINGTON STATE ENERGY CODE

NOTE:
ALL HOT AND COLD WATER PIPING, SANITARY WASTE AND VENT PIPING, HVAC CONTROL SYSTEM AND CONDUIT PENETRATIONS OF FIRE-RESISTANT RATED AND SMOKE-RESISTANT RATED HORIZONTAL AND VERTICAL ASSEMBLIES SHALL BE PROTECTED BY APPROVED, LISTED PENETRATION SYSTEMS IN ACCORDANCE WITH 2018 IBC, SECTION 714.

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PLUMBING GENERAL NOTES AND ABBREVIATIONS

SHEET NO.

P0.01

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PRCTI20221714

PLUMBING LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	COLD WATER (CW)		TRIPLE DUTY VALVE
	HOT WATER (HW)		2-WAY CONTROL VALVE
	HOT WATER CIRC (HWC)		3-WAY CONTROL VALVE
	WASTE OR SAN. SEWER		4-WAY CONTROL VALVE
GW	GREASE WASTE (GW)		SOLENOID VALVE
	VENT (V)	OR	BALANCING VALVE
OW	OIL WASTE (OW)		REDUCER
SD	STORM DRAIN		STRAINER
	FIRE MAIN/FIRE SPRINKLER PIPING		UNION
	PIPE DOWN		PLUG VALVE
	PIPE UP		PETE'S PLUG
	BRANCH - TOP CONNECTION		FLOW STATION
	BRANCH - BOTTOM CONNECTION		FLOW CONTROL VALVE
	BRANCH - SIDE CONNECTION		THRUST BLOCK (TB)
	CAP END OF PIPE	OR	DRAIN VALVE WITH HOSE CONNECTION OR HOSE BIBB
	FLOW DIRECTION	BFP	BACKFLOW PREVENTER ASSEMBLY
	FLUSH CLEANOUT (FCO) OR SURFACE CLEANOUT (SCO) AS INDICATED		FLOOR DRAIN (FD)
	WALL CLEANOUT (WCO)		FLOOR & FUNNEL DRAIN (F&FD)
	CLEANOUT (CO)		ROOF/OVERFLOW/DECK DRAIN (RD, OD & DD)
DS	DOWNSPOUT		PIPE ANCHOR
	VENT THRU ROOF (VTR)		PIPE GUIDE
	GATE VALVE (GV)		FLEXIBLE CONNECTION (PIPE)
	GLOBE VALVE		AUTOMATIC OR MANUAL AIR VENT (AAV, MAV)
	VALVE IN RISER		VACUUM BREAKER
	BUTTERFLY VALVE		PRESSURE GAUGE
	PRESSURE REDUCING VALVE (PRV)		THERMOMETER
	CHECK VALVE (CV)		EXPANSION JOINT
	TEMPERATURE / PRESSURE RELIEF VALVE (T&PV)		EXPANSION LOOP
	BALL VALVE (BV)	M	METER
	FREEZEPROOF WALL HYDRANT (FWH) HOSE BIBB (HB)	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
	AQUASTAT	(E)	EXISTING
OR	PUMP	M.C.	MECHANICAL CONTRACTOR
	RELIEF VALVE	E.C.	ELECTRICAL CONTRACTOR
	FLOAT VALVE	G.C.	GENERAL CONTRACTOR
	CIRCUIT SETTER		
	SUCTION DIFFUSER		

NOTES: NOT ALL SYMBOLS USED. REFER TO DRAWINGS.

TABLE C404.3.1 - HOT WATER PIPING VOLUME & MAXIMUM PIPE LENGTHS

NOMINAL PIPE SIZE (INCHES)	VOLUME (LIQUID OUNCES PER FOOT LENGTH)	MAXIMUM PIPING LENGTH (FEET)		REMARKS
		PUBLIC LAV FAUCETS	OTHER FIXTURES/APPLIANCES	
1/4"	0.33	6.0	50.0	
5/16"	0.50	4.0	50.0	
3/8"	0.75	3.0	50.0	
1/2"	1.50	2.0	43.0	
5/8"	2.00	1.0	32.0	
3/4"	3.00	0.5	21.0	
7/8"	4.00	0.5	16.0	
1"	5.00	0.5	13.0	
1-1/4"	8.00	0.5	8.0	
1-1/2"	11.00	0.5	6.0	
2"	18.00	0.5	4.0	

PIPING SYSTEMS INSULATION SCHEDULE

TYPE OF PIPE	INSTALLATION LOCATION	INSULATION (TYPE)	PIPE SIZE (INCHES)	INSULATION THICKNESS (INCHES)	NOTES
COLD PLUMBING PIPING	INSIDE BUILDING ENVELOPE	FIBERGLASS	ALL SIZES	1" THICK	NOTE 2
	OUTSIDE BUILDING ENVELOPE AND BURIED	ELASTOMERIC	ALL SIZES	MULTIPLE LAYERS FOR 1-1/2" TOTAL THICKNESS	NOTES 1, 2, 3, 4
HOT PLUMBING PIPING	INSIDE BUILDING ENVELOPE	FIBERGLASS	1-1/4 INCH AND SMALLER	1" THICK	NOTE 2
			1-1/2 INCH AND LARGER	1-1/2" THICK	NOTE 2
	OUTSIDE BUILDING ENVELOPE AND BURIED	ELASTOMERIC	ALL SIZES	MULTIPLE LAYERS FOR 2" TOTAL THICKNESS	NOTES 1, 2, 3, 4

NOTES:
1. INCREASE THICKNESS OF PIPE INSULATION BY 1/2 INCH WHERE PIPING IS LOCATED OUTDOORS OR OTHERWISE EXPOSED TO AMBIENT AIR.
2. INCLUDE PEX.
3. INCLUDE MULTI-PLY LAMINATE JACKET.
4. INCLUDE FACTORY APPLIED WEATHERABLE JACKET OR MANUFACTURER RECOMMENDED COATING.

WATER HAMMER ARRESTOR SIZING SCHEDULE (BELLOWS)

MARK	FIXTURE UNITS	SIZE	HYDROTROL MODEL NUMBER
A1	1-11	3/4"	5005
A2	12-32	1"	5010
A3	33-60	1"	5020
A4	61-113	1"	5030
A5	114-154	1"	5040

WATER HAMMER ARRESTOR SIZING SCHEDULE (PISTON)

MARK	FIXTURE UNITS	SIZE	PPP MODEL NUMBER
A1	1-11	1/2"	SC-500
A2	12-32	3/4"	SC-750
A3	33-60	1"	SC-1000
A4	61-113	1-1/4"	SC-1250
A5	114-154	1-1/2"	SC-1500

WATER SUPPLY NEW FIXTURE UNIT (WSFU) COUNT

ITEM	QTY.	FIXTURE UNIT EACH	TOTAL FIXTURE UNIT
WATER CLOSET FLUSH TANK	6	2.5	15
LAVATORY	6	1.0	6
SINK	3	1.5	4.5
WATER CONNECTION BOX	1	0.5	0.5
MOP SINK	1	3.0	3.0
FREEZELESS WALL HYDRANT	1	2.5	2.5
FREEZELESS WALL HYDRANT (Additional)	1	1.0	1.0
TRAP PRIMER	1	1.5	1.5
TOTAL WATER SUPPLY FIXTURE UNIT COUNT:			33.5

1. CALCULATIONS WERE PERFORMED PER 2018 UPC CHAPTER 6 , TABLE 610.3.
2. PER 2018 UPC , CHAPTER 6, TABLE 610.4 BUILDING SUPPLY 33.5 FU REQUIRED 1-1/4". 33.5 FU = 22 GPM = 1-1/4" PIPE AT 2PSI/100' PRESSURE DROP.

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PLUMBING LEGEND AND SCHEDULES

SHEET NO.

P0.02

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PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	FIXTURE	SERVICES W	SERVICES V	SERVICES CW	SERVICES HW	NOTES
P-1	WATER CLOSET ADA	FLOOR-MOUNTED TWO-PIECE TANK TYPE, REAR OUTLET, WITH ELONGATED FRONT TOILET BOWL-PART #087, COMFORT HEIGHT, DUAL FLUSH 1.28GPF: SANIFLOW #087 WATER CLOSTET WITH #005 INSULATED TANK AND EXTENSION PIPE #030. SUPPLIES: REINFORCED PVC INNER HOSE WITH POLYMER-BRAIDED OUTER LAYER, CHROME-PLATED NUT, QUARTER-TURN ANGLE BALL STOP, NO LEAD; BRASSCRAFT SPEEDI-PLUMB PLUS OR EQUAL BY MCGUIRE OR EASTMAN. MISC:OPEN FRONT SEAT WITH CHECK HINGE, NO COVER MISCELLANEOUS: FLUSH CONTROL SHALL BE MOUNTED FOR USE FROM WIDE SIDE OF WATER CLOSET AREA. HANDICAPPED - MOUNTING HEIGHT FROM FLOOR TO TOP OF SEAT SHALL BE A MAXIMUM OF 19" AND MINIMUM OF 17"	3"	2"	1/2"	-	PROVIDE AS PACKAGE WITH PUMP . SEE SCHEDULE BELOW
P-2	LAVATORY ADA	WALL HUNG, 4" CENTERS, VITREOUS CHINA; AMERICAN STANDARD "LUCERNE" NO. 0355.012 FAUCET: CHICAGO FAUCETS MODEL NO 802-CP WITH 4" SPOUT, NO. E12VP 0.5 GPM VANDAL RESISTANT AERATOR; ADA COMPLIANT TRAPS & TAILPIECES: MCGUIRE. OR EQUAL, 1-1/2" CHROME-PLATED CAST BRASS P-TRAP AND TAILPIECE. SUPPLIES: LOOSE KEY QUARTER-TURN BALL STOP WITH FLEXIBLE BRAIDED STAINLESS STEEL RISERS; BRASSCRAFT MISC:PROVIDE INSULATION ON TRAP AND SUPPLIES PER SPECIFICATIONS	2"	1-1/2"	1/2"	1/2"	
P-3	SINK ADA	COUNTERTOP, SINGLE-COMPARTMENT, 304 18 GAUGE STAINLESS STEEL, 17 1/2"X19"X6 1/2" JUST "STYLIST" SL-ADA-17519-A-GR. FAUCETS: 8" CENTERS, SINGLE WING HANDLES, GOOSENECK SPOUT, BASKET STRAINER. CHICAGO FAUCETS NO. 1100-GN8AE3-317AB. 1.5 GPM VANDAL RESISTANT AERATOR. TRAPS & TAILPIECES: MCGUIRE, OR EQUAL, 1-1/2" CHROME-PLATED CAST BRASS P-TRAP & TAILPIECE. SUPPLIES: LOOSE KEY QUARTER-TURN BALL STOP WITH FLEXIBLE BRAIDED STAINLESS STEEL RISERS; BRASSCRAFT MISC: PROVIDE ADA SHIELD, TRU-BRO BASIN GUARD OR EQUAL	2"	1-1/2"	1/2"	1/2"	
P-4	UTILITY SINK	FREE STANDING ONE COMPARTMENT BADGET SINK, ELKAY MODEL B1C18x21X SINGLE BOWL CENTERED, 21"x24 1/2"x42". SINK TO BE FABRICATED FROM 18 GA, TYPE 300 STAINLESS STEEL. (4) 1 5/8" O.D. STAINLESS STEEL LEGS. ELKAY FAUCETS NO. LK940HA08L2S, POLISHED CHROME PLATED SOLID CAST BRASS CONSTRUCTION. 10" HIGHx8" SWING GOOSENECK, 2.2 GPM. SUPPLIES: LOOSE KEY QUARTER-TURN BALL STOP WITH FLEXIBLE BRAIDED STAINLESS STEEL RISERS; BRASSCRAFT	3"	2"	3/4"	3/4"	
P-5	FREEZELESS WALL HYDRANT	QUARTER-TURN, NON-FREEZE WALL HYDRANT WITH INTEGRAL VACUUM BREAKER AND STAINLESS STEEL BOX, LOOSE KEY, HINGED LOCKING COVER, ADJUSTABLE WALL CLAMP, NICKEL-BRONZE BOX FACE; JAY R SMITH 5509QT	-	-	3/4"	-	
P-6	WATER COOLER	TYPE, MFR., MODEL: HI-LO WATER COOLER, STAINLESS STEEL BASIN (HANDICAPPED); ELKAY LZSTLG8WS, WITH FLEXI-GUARD STREAMSAVER BUBBLER, LEAD FREE, INNOVATIVE GREEN TICKER, TOUCHLESS BOTTLE FILLING STATION, PUSHBAR ACTIVATION, FILTRATION SYSTEM, ANTI-MICROBIAL PROTECTION, FILL RATE 1.1 GPM, LAMINAR FLOW, REAL DRAIN SYSTEM MISCELLANEOUS: SPOUT HEIGHT FOR LOW FOUNTAIN TO BE MAX. 36" AFF. MEET ALL ADA REQUIREMENTS IN 2010 ADA STANDARDS AND ICCA117.1-2009	2"	1-1/2"	1/2"	-	
FS-1	FLOOR SINK	ZURN: Z1751, J.R. SMITH FIGURE 3003	PER PLAN	PER PLAN	-	-	

ELECTRIC WATER HEATER SCHEDULE

ID/NO	SERVICE	MANUFACTURER	MODEL	CAPACITY (GALLONS)	HEIGHT (INCHES)	DIAMETER (INCHES)	DISCHARGE TEMP (DEG F)	ENERGY FACTOR	RECOVERY GPH	RECOVERY TEMP RISE	ELECTRICAL VOLTS	ELECTRICAL PHASE	ELECTRICAL WATTAGE	WEIGHT (LBS)	NOTES
WH-1	SPRINKLER RISERV RM 106	BRADFORD	RE350T6	50	59-3/8	22	120	0.95	21	90	208	1	5500	138	1, 2, 3,

NOTES:
1. ASME RATED.
2. ADVANCED MODULATING CONTROL
3. EFFICIENCY SHALL MEET THE MINIMUM REQUIREMENTS ON WSEC C404.2

EXPANSION TANK SCHEDULE

UNIT NO.	MANUFACTURER	MODEL	SERVICE	VOLUME (GALLONS) TANK	VOLUME (GALLONS) ACCEPTANCE	DIMENSIONS (IN.) DIAMETER	DIMENSIONS (IN.) HEIGHT	OPERATIFNG WEIGHT (POUNDS)	NOTES
ET-1	AMTROL	ST-5VC	WH-1	2	0.9	8	13	40	1

NOTES:
1. NSF RATED

MIXING VALVE SCHEDULE

UNIT NO	MANUFACTURER	MODEL	SERVICE	INLET SIZE (INCHES)	OUTLET SIZE (INCHES)	INLET TEMP (°F)	OUTLET TEMP (°F)	GPM MINIMUM RECIRC. FLOW	GPM MAXIMUM FLOW AT SPECIFIED PRESSURE DROP	PRESSURE DROP (PSI)	NOTES
MV-1	WATTS	LFMM432	WH-1	3/4	1	140°	110°	4 GPM	21 GPM	5	1, 2

NOTES:
1. CERTIFIED LEAD-FREE. PIPING SHALL BE 1-1/2" UP TO VALVE. 2. ASSE 1017 CERTIFIED. 3. CERTIFIED LEAD-FREE. PIPING SHALL BE 1" UP TO VALVE.

PUMP SCHEDULE

UNIT NO	MFR	MODEL	SERVICE	TYPE	GPM	HEAD (FT)	ELECTRICAL CONNECTION HP	ELECTRICAL CONNECTION VOLT/PHASE	ELECTRICAL CONNECTION FLA	STARTER/ DISCONNECT BY	NOTES
CP-1	B&G	ECOCIRC+ 20-18	WH-1	IN-LINE	4	20	70W	120/1	1/2	E.C.	1,2,3

NOTES: 1. ALL BRONZE LEAD-FREE CONSTRUCTION FOR POTABLE WATER.
2. ECM MOTOR.
3. PROVIDE WITH EXTERNAL TEMPERATURE SENSOR.

DRAIN PUMP SCHEDULE

UNIT NO	MFR	MODEL	SERVICE	TYPE	NOISE LEVEL (DBA)	ELECTRICAL CONNECTION Hz	ELECTRICAL CONNECTION VOLTE	ELECTRICAL CONNECTION AMPS	MOTOR (HP)	DISCHARGE PIPE Ø	DISCHARGE RATE	DISCHARGE RATE AT 3 FT	INLETS VENT	CAPACITY (GAL)	NOTES
DP-1	SANIFLO	SANIBEST PRO	TOILET + LAVATORY	GRINDER	63	60	120	9	1	3/4" OR 1"	@ 25'-19 GPM	38 GPM	2" (SIDE) 1-1/2" (TOP)	3.2	1, 2
DP-2	SANIFLO	SANIVITE	SINK	DRAIN PUMP	44	60	120	4.5	0.4	1" OR 1-1/2"	@ 16'-18 GPM	29 GPM	2" (SIDE) 1-1/2" (TOP)	3.7	1
DP-3	SANIFLO	SANIVITE	SINK	DRAIN PUMP	44	60	120	4.5	0.4	1" OR 1-1/2"	@ 16'-18 GPM	29 GPM	2" (SIDE) 1-1/2" (TOP)	3.7	1
DP-4	SANIFLO	SANIVITE	SINK	DRAIN PUMP	44	60	120	4.5	0.4	1" OR 1-1/2"	@ 16'-18 GPM	29 GPM	2" (SIDE) 1-1/2" (TOP)	3.7	1
DP-5	SANIFLO	SANIVITE	SINK	DRAIN PUMP	44	60	120	4.5	0.4	1" OR 1-1/2"	@ 16'-18 GPM	29 GPM	2" (SIDE) 1-1/2" (TOP)	3.7	1
DP-6	SANIFLO	SANIBEST PRO	TOILET + LAVATORY	GRINDER	63	60	120	9	1	3/4" OR 1"	@ 25'-19 GPM	38 GPM	2" (SIDE) 1-1/2" (TOP)	3.2	1, 2
DP-7	SANIFLO	SANIBEST PRO	TOILET + LAVATORY	GRINDER	63	60	120	9	1	3/4" OR 1"	@ 25'-19 GPM	38 GPM	2" (SIDE) 1-1/2" (TOP)	3.2	1, 2
DP-8	SANIFLO	SANIVITE	SINK	DRAIN PUMP	44	60	120	4.5	0.4	1" OR 1-1/2"	@ 16'-18 GPM	29 GPM	2" (SIDE) 1-1/2" (TOP)	3.7	1
DP-9	SANIFLO	SANIBEST PRO	TOILET + LAVATORY	GRINDER	63	60	120	9	1	3/4" OR 1"	@ 25'-19 GPM	38 GPM	2" (SIDE) 1-1/2" (TOP)	3.2	1, 2
DP-10	SANIFLO	SANIBEST PRO	TOILET + LAVATORY	GRINDER	63	60	120	9	1	3/4" OR 1"	@ 25'-19 GPM	38 GPM	2" (SIDE) 1-1/2" (TOP)	3.2	1, 2
DP-11	SANIFLO	SANIBEST PRO	TOILET + LAVATORY	GRINDER	63	60	120	9	1	3/4" OR 1"	@ 25'-19 GPM	38 GPM	2" (SIDE) 1-1/2" (TOP)	3.2	1, 2
DP-12	SANIFLO	SANIVITE	SINK	DRAIN PUMP	44	60	120	4.5	0.4	1" OR 1-1/2"	@ 16'-18 GPM	29 GPM	2" (SIDE) 1-1/2" (TOP)	3.7	1

NOTES:
1. PROVIDE WITH SANIALARM
2. PROVIDE AS PACKAGE WITH WATER CLOSET

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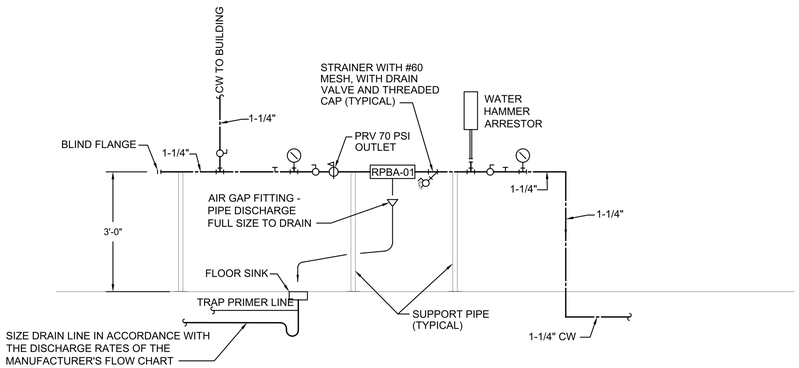
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PLUMBING SCHEDULES

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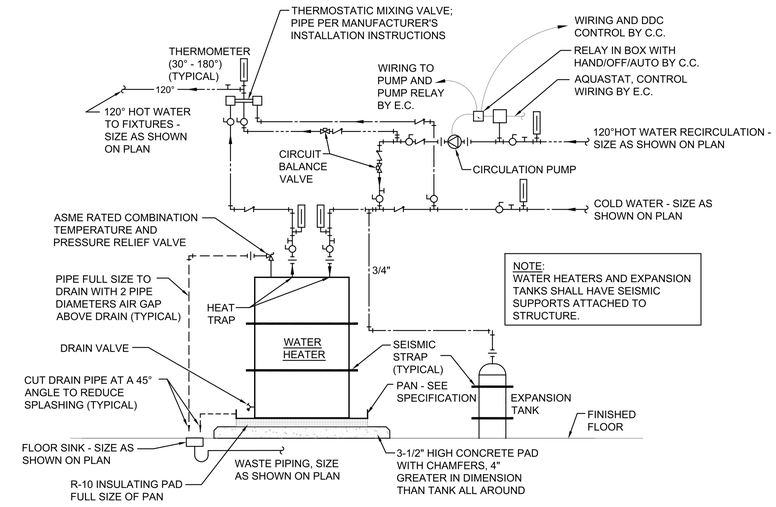
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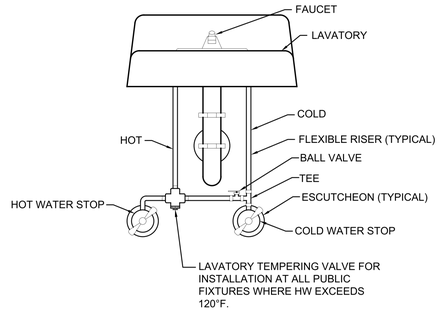
NOTE
ALL MATERIALS IN CONTACT WITH WATER TO BE COPPER, BRASS, BRONZE, EPDM, STAINLESS STEEL AND CERTIFIED LEAD FREE. ALL EQUIPMENT TO HAVE FLANGED CONNECTIONS FOR EASE OF REPLACEMENT

1 DOMESTIC WATER HEADER DETAIL
NOT TO SCALE

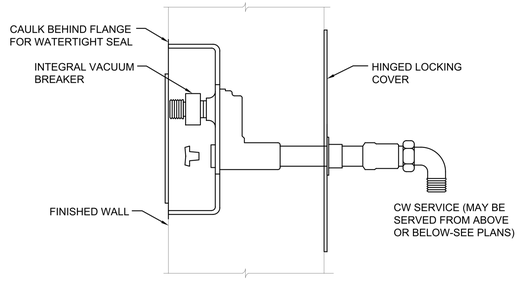


NOTE:
WATER HEATERS AND EXPANSION TANKS SHALL HAVE SEISMIC SUPPORTS ATTACHED TO STRUCTURE.

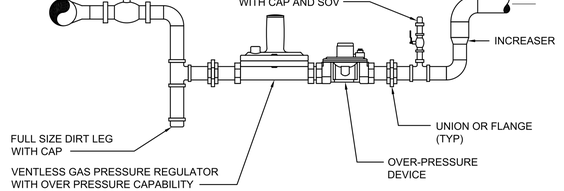
2 ELECTRIC WATER HEATER DETAIL
NOT TO SCALE



3 LAVATORY SERVICES INSTALLATION
NOT TO SCALE

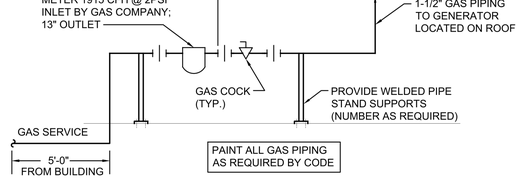


4 FREEZE PROOF WALL HYDRANT
NOT TO SCALE

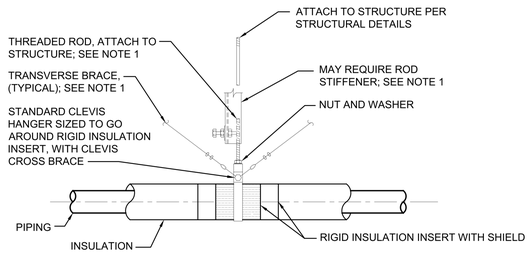


NOTES:
1. GAS VENT THROUGH ROOF IF USED SHALL BE A MINIMUM OF 10'-0" AWAY FROM OUTSIDE AIR INTAKES.
2. PROVIDE VENT SIZED PER GAS PRESSURE REGULATOR'S REQUIREMENTS.
3. SUPPORT PIPING PER MANUFACTURER'S RECOMMENDATIONS.

5 GAS PRESSURE REGULATOR AT WATER HEATER
NOT TO SCALE



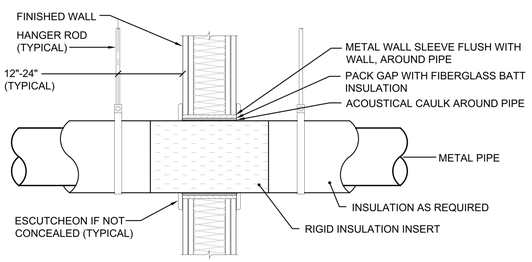
6 GAS HEADER DETAIL
NOT TO SCALE



NOTES:

1. SEISMIC BRACING, RIGID OR CABLE, SIZE, SPACING, CABLE ANCHORAGE TO BE SPECIFIED BY MECHANICAL CONTRACTOR'S SEISMIC ENGINEER, FOLLOWING SMACNA RESTRAINT MANUAL.
2. PROVIDE PIPE INSULATION IN ACCORDANCE WITH WASHINGTON STATE ENERGY CODE.

7 INSULATED PIPING INSTALLATION
NOT TO SCALE



INSULATED METAL PIPE PENETRATION THROUGH NON-RATED WALL ASSEMBLY
8
NOT TO SCALE

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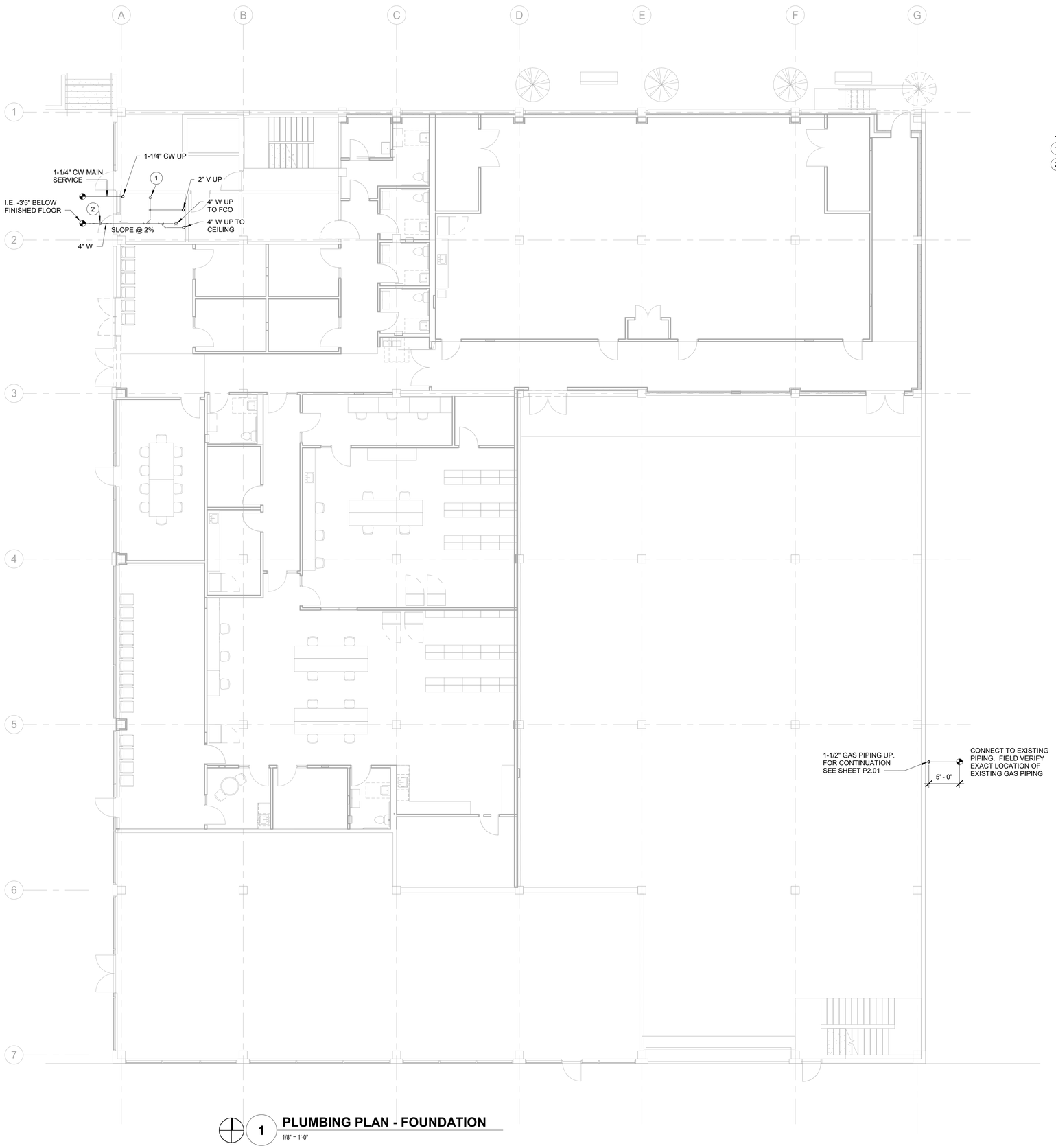
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PLAN NOTES

1. 3" W UP TO FLOOR SINK.
2. 4" W UP TO 2-WAY SCO.

1 PLUMBING PLAN - FOUNDATION

1/8" = 1'-0"

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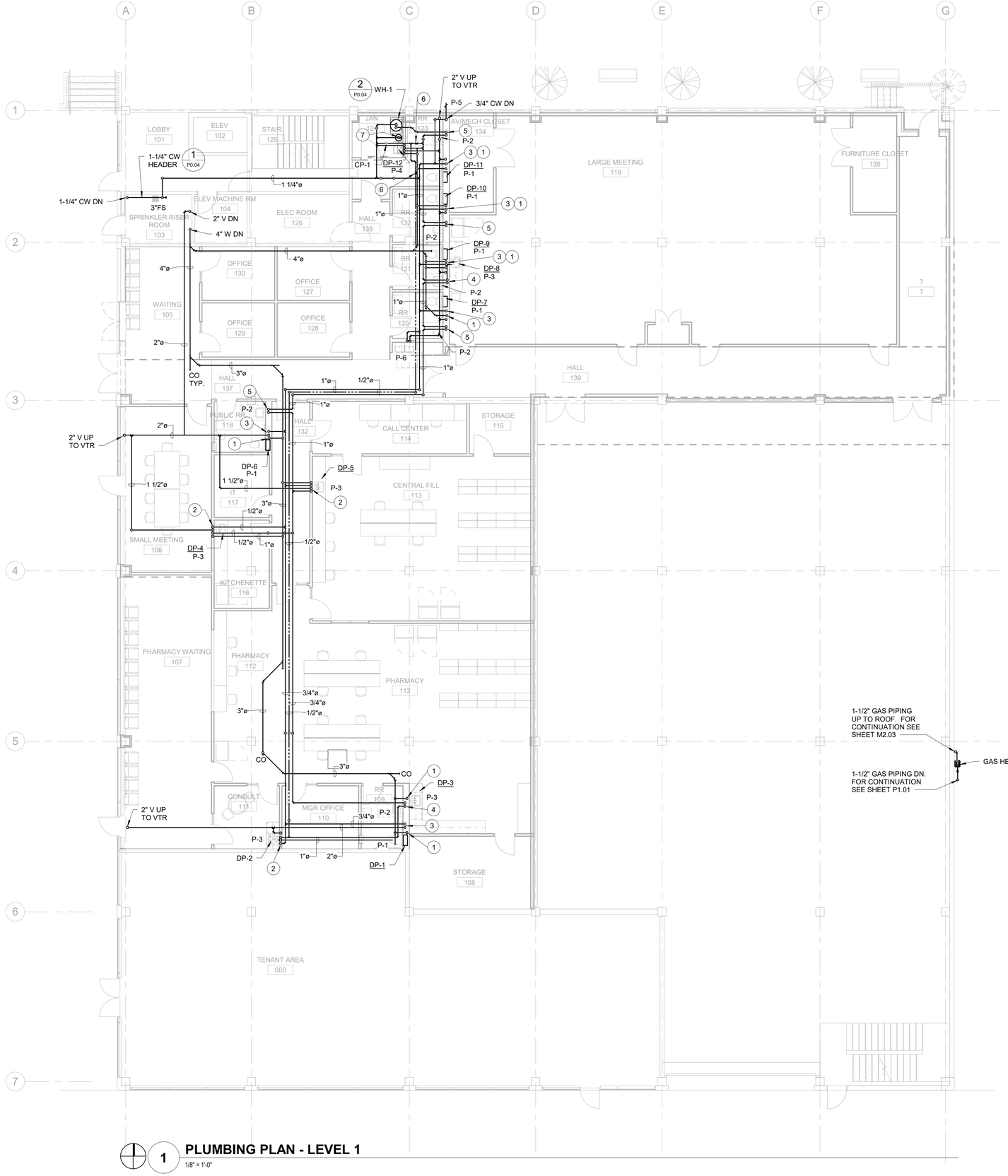
PLUMBING FOUNDATION PLAN

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PLAN NOTES

1. 1" DISCHARGE FROM PUMP.
2. 1/2" CW, HW, 1-1/2" V DN. 1" DISCHARGE FROM PUMP.
3. 3/4" CW, 2" V DN. ROUTE FULL SIZE PIPING IN CHASE TO ADJACENT PLUMBING FIXTURE. SEE PLUMBING FIXTURE SCHEDULE FOR RUNOUT PIPING.
4. FULL SIZE HW DN. LOOP HW TO WITHIN 12" OF LAVATORY STOPS TO MEET WSEC REQUIREMENTS. PROVODE 1/2" HW TO P-3.
5. FULL SIZE HW DN. LOOP HW TO WITHIN 12" OF LAVATORY STOPS TO MEET WSEC REQUIREMENTS.
6. 1 GPM BALANCING VALVE.
7. 3/4" CW DN TO ET-1.

1 PLUMBING PLAN - LEVEL 1
1/8" = 1'-0"

CHC Puyallup - Garage

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SHEET TITLE
PLUMBING PLAN - LEVEL 1

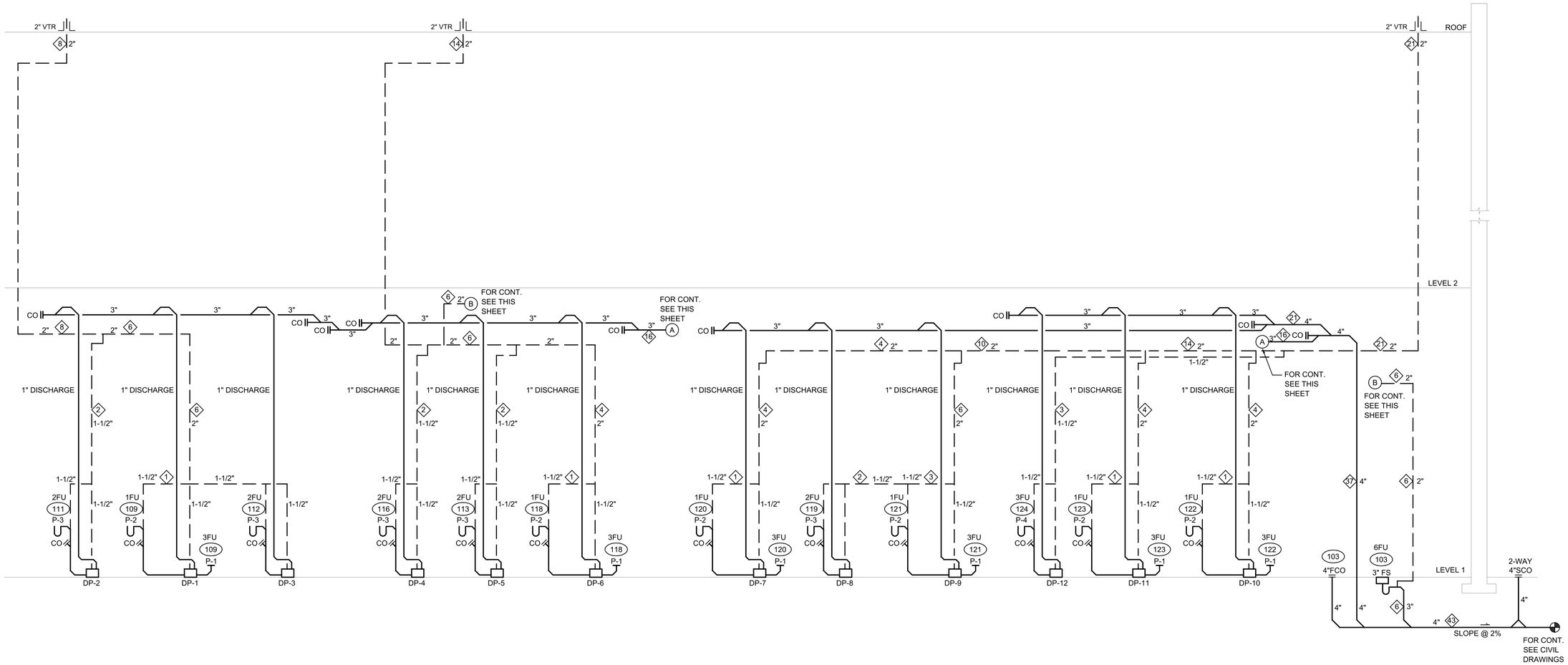
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GENERAL NOTES

1. WASTE/VENT FIXTURE UNITS NOTED AS ◇



1 WASTE & VENT RISER DIAGRAM
SCALE: DIAGRAMMATIC

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WASTE & VENT RISER DIAGRAM

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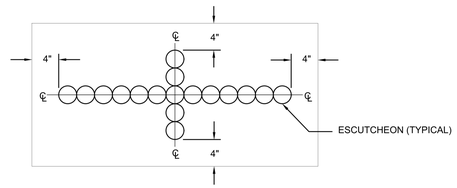
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GENERAL NOTE

1. IT IS THE FULL RESPONSIBILITY OF THE FIRE SPRINKLER CONTRACTOR TO INSTALL A COMPLETE WORKING SYSTEM MEETING ALL APPLICABLE CODES.
2. THE AUTOMATIC SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 13, IBC, IFC AND ALL LOCAL CODES AS A MINIMUM STANDARD. ADDITIONAL REQUIREMENTS ARE NOTED IN THE SPECIFICATIONS OR IN THESE DRAWINGS.
3. PROVIDE COVERAGE FOR THE ENTIRE FACILITY INCLUDING, BUT NOT LIMITED TO, AREAS ABOVE AND BELOW CEILINGS, ATTIC SPACES, MEZZANINES, INTERSTITIAL SPACES, OVERHANGS, ELEVATOR SHAFT AND MECHANICAL/ELECTRICAL ROOMS. PROVIDE DRY PIPE/DRY HEAD COVERAGE WHERE SHOWN, WHERE FREEZING CONDITIONS EXIST, AND IN UNHEATED SPACES. THE ASSUMPTION OF FIRE ALARM DEVICES OR SYSTEMS BEING INSTALLED DOES NOT RELIEVE THE FIRE SPRINKLING CONTRACTOR OF PROVIDING COVERAGE IN ALL AREAS.
4. FIRE SPRINKLER MAINS NOT SHOWN SHALL BE LAID OUT PER FIRE SPRINKLER COVERAGE REQUIREMENTS. SEE ARCHITECTURAL DRAWINGS FOR AREAS NOT SHOWN OR FOR MULTIPLE FLOORS THAT REQUIRE FIRE SPRINKLING COVERAGE.
5. DO NOT RUN PIPING OVER ELECTRICAL PANELS OR SWITCHGEAR EXCEPT WHERE LOCATED ABOVE STRUCTURAL CEILING.
6. THE FIRE SPRINKLER CONTRACTOR SHALL COORDINATE THE LOCATION OF PIPING AND HEADS TO AVOID INTERFERENCES WITH LIGHT FIXTURES, HEATING/COOLING EQUIPMENT, DUCTWORK AND ANY ARCHITECTURAL FEATURES SUCH AS EXPOSED SLOPED ROOF STRUCTURE, SKYLIGHTS, STAIRWAYS, ETC. PIPING SHALL BE RUN AS HIGH AS POSSIBLE TO ALLOW MAXIMUM HEADROOM OVER MECHANICAL EQUIPMENT AND AISLE SPACES. MAXIMUM CLEARANCE SHALL BE MAINTAINED FOR SERVICE ACCESS AND MAINTENANCE FOR ALL EQUIPMENT. FAILURE TO COORDINATE SHALL BE JUSTIFICATION TO REQUIRE THE FIRE SPRINKLER CONTRACTOR, AT HIS OWN EXPENSE, TO MOVE AND REDO HIS WORK.

NOTES:

1. WHERE SPRINKLER HEADS ARE LOCATED IN REMOVABLE GRID CEILING, THE HEADS SHALL BE LOCATED ON THE CENTERLINE AXIS OF EITHER THE LONG OR SHORT SIDE DIMENSION [SEE DETAIL BELOW], WITH THE HEAD CANOPY A MINIMUM OF 4" FROM EDGE OF PANEL.
2. IN ROOMS WHERE MULTIPLE HEADS ARE NEEDED, HEADS SHALL BE LINED UP, NOT IN RANDOM PATTERN.
3. DUCTWORK, AIR TERMINALS AND LIGHTING LOCATIONS TAKE FIRST PRIORITY OVER FIRE SPRINKLING SYSTEM. COORDINATION SHALL BE FIRE SPRINKLER CONTRACTOR'S RESPONSIBILITY.
4. SYSTEM DRAINAGE POINTS MUST BE CAREFULLY COORDINATED WITH ARCHITECT. IF NOT COORDINATED, FIRE SPRINKLER CONTRACTOR SHALL REMOVE AND REWORK LOCATIONS TO ARCHITECT'S SATISFACTION.
5. HEADS MUST BE LOCATED IN SUCH A MANNER THAT HEAT FROM A DIFFUSER, DUCT, FLUE, KILN, HYDRONIC PIPE, ENGINE EXHAUST, OR OTHER HEAT GENERATING DEVICE, WILL NOT SET OFF THE FIRE PROTECTION SYSTEM.



1 CEILING PANEL FIRE SPRINKLER HEAD LOCATIONS

SCALE: NOT TO SCALE

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FIRE PROTECTION GENERAL NOTES AND DETAIL

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1 **FIRE PROTECTION PLAN - LEVEL 1**
1/8" = 1'-0"

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FIRE PROTECTION PLAN - LEVEL 1

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