City of Puyallup Development Engineering APPROVED

See permit for additional requirements.

Linda Lian

03/29/2023
9:37:26 AM

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.

City of Puyallup Development & Permitting Services ISSUED PERMIT

Building | Planning
Engineering | Public Works
Fire | Traffic

City of Puyallup Planning Division APPROVED

See permit conditions.

RNBrown

04/21/2023
9:16:00 AM

Provide complete sets of plans a revision-form/submittal form along with a response letter showing how all comments were addressed.

The markup plans are available in the Portal with comment letter.

GENERAL NOTES

1. CONTRACTOR SHALL COMPLY WITH THE CURRENT "GENERAL CONDITIONS," AND BUILDING STANDARDS AS PROVIDED BY THE BUILDING OWNER.

2. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF DIFFERENT TRADES.

3. DO NOT SCALE DRAWINGS. CONTACT ARCHITECT FOR ANY MISSING DIMENSIONS.

4. CONTRACTOR INITIATED CHANGES SHALL BE SUBMITTED IN WRITING TO THE OWNER AND ARCHITECT FOR APPROVAL PRIOR TO FABRICATION OR CONSTRUCTION. CHANGES SHOWN ON SHOP DRAWING ONLY WILL NOT SATISFY THIS REQUIREMENT.

5. ALL MODIFICATIONS, REQUIRING OWNER OR ARCHITECT APPROVAL WILL NOT BE VALID UNLESS AUTHORIZED IN WRITING BY OWNER AND/OR ARCHITECT.

6. WITHIN FIVE (5) BUSINESS DAYS OF START OF CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY IN WRITING BOTH THE ARCHITECT AND OWNER OF ANY ITEMS WHOSE ESTIMATED DELIVERY TO THE SITE WOULD BE LATER THAN THAT REQUIRED FOR TIMELY INSTALLATION IN THE CONSTRUCTION SEQUENCE SUBSTITUTION OF ALTERNATE ITEMS WITH SHORTER LEAD TIMES, PAYMENT OF RUSH FABRICATION OR DELIVERY CHARGES OUT OF SEQUENCE INSTALLATION, OR DELAY OF INSTALLATION OPTIONS TO BE AT THE SOLE APPROVAL OF OWNER OR ARCHITECT.

7. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL WORK AND MATERIALS IN ACCORDANCE WITH THE LATEST LOCAL BUILDING CODES AND ORDINANCES.

8. CONTRACTOR SHALL VERIFY ALL FIELD DIMENSIONS AND CONDITIONS AND SHALL REPORT ANY CONFLICTS OR QUESTIONS FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK. DO NOT SCALE THE DRAWINGS.

9. THE USE OF WORD "PROVIDE" SHALL ALWAYS MEAN, "FURNISH AND INSTALL, CONNECT, OR SECURE" AS REQUIRED.

10. ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS AND TRADE ASSOCIATES ACCEPTED STANDARDS.

11. CONTRACTOR SHALL PROVIDE A WRITTEN CONSTRUCTION SCHEDULE. THIS SCHEDULE SHALL INCLUDE DELIVERY LEAD TIMES OF CONSTRUCTION ITEMS, AND START AND COMPLETION DATES OF EACH PHASE. THE CONTRACTOR SHALL UPDATE AND PROVIDE SUCH SCHEDULE ON A BIWEEKLY BASIS.

12. WORK MUST BE SCHEDULED WITH THE BUILDING MANAGEMENT TO AVOID DISRUPTION TO THE TENANTS.

13. ACCESS TO AND FROM THE PROJECT SITE, SPECIAL CONDITIONS, NOISY WORK, TIMING OF WORK, INTERRUPTION OF MECHANICAL AND ELECTRICAL SERVICES, RELOCATION OF EXISTING EQUIPMENT, CASEWORK, FIXTURES, FITTINGS, ETC., MUST BE COORDINATED WITH THE BUILDING MANAGEMENT.

14. ADEQUATE CLEANUP, PROTECTION AND PLACEMENT OF ANY CEILING TILES AND/OR OTHER DISRUPTION TO THE ADJACENT TENANT IMPROVEMENTS MUST BE REPLACED BEFORE BUSINESS HOURS OF THAT TENANT IN ORDER THAT THE OCCUPANT WILL NOT BE INCONVENIENCED IN THE NORMAL CONTINUATION OF THEIR OFFICE HOURS.

15. EACH SUBCONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ADJACENT WORK AND SHALL REPAIR SAID DAMAGE AT THEIR OWN EXPENSE. THIS INCLUDES ALL AREAS ON THE PREMISES SUCH AS: COMMON HALLWAYS, FREIGHT ELEVATOR VESTIBULES, ETC.

16. SCHEDULE THE USE OF THE ELEVATOR WITH BUILDING MANAGEMENT.

17. UPON COMPLETION OF ALL CONSTRUCTION, THE CONTRACTOR SHALL SUPPLY THE LANDLORD WITH ONE SET OF "RECORD" AS-BUILT DRAWINGS.

18. ALL MATERIALS TO BE NEW UON.

19. PATCH ALL DISTURBED AND/OR DAMAGED AREAS AS REQUIRED TO ACCOMPLISH NEW WORK AND AS REQUIRED FOR FINISHED APPEARANCE.

20. GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY BACKING, BLOCKING, AND FRAMING FOR LIGHT FIXTURES, ELECTRICAL FIXTURES, CASEWORK AND ALL OTHER ITEMS REQUIRING IT.

21. CONTRACTOR TO COORDINATE ALL FIRE ALARM WORK WITH BUILDING OWNER.

22. ALL PAINT AND FINISH MATERIAL COLORS SHALL MATCH ARCHITECT'S CONTROL SAMPLES AND REQUIRE ARCHITECT'S REVIEW PRIOR TO INSTALLATION. SUBMIT TO ARCHITECT THREE (3) COPIES FOR REVIEW.

23. CONTRACTOR SHALL FURNISH SHOP DRAWINGS FOR REVIEW ON CABINETWORK, MILLWORK AND ANY OTHER SPECIAL ITEMS REQUIRING CUSTOM SHOP FABRICATION. SUBMIT TO ARCHITECT AT LEAST THREE (3) COPIES FOR REVIEW.

24. REPETITIVE FEATURES NOT FULLY SHOWN OR NOTED ON THE DRAWINGS SHALL BE COMPLETELY PROVIDED AS IF DRAWN IN FULL.

25. THROUGHOUT THE DRAWINGS ARE ABBREVIATIONS WHICH ARE IN COMMON USE. THE LIST OF ABBREVIATIONS PROVIDED IS NOT INTENDED TO BE A COMPLETE LIST. THE ARCHITECT WILL DEFINE THE INTENT OF ANY IN QUESTION.

SYMBOLS

ELEVATION REFERENCE SYMBOL
DETAIL ID
SHEET NO.

SECTION REFERENCE SYMBOL
DETAIL REFERENCE SYMBOL

COLUMN AND/OR GRID LINE SYMBOL
DIMENSION LINE: 20' - 0"

ANGLE
AT
CENTERLINE

INDICATES FINISHED SURFACES TO ALIGN
DRAWING TITLE BAR
DETAIL IDENTIFICATION
DRAWING TITLE
SCALE
FINISH PLAN
FLOOR ELEVATION SYMBOLS
NOMINAL FLOOR ELEVATION HEIGHT (ABOVE/BELOW)
BUILDING SPACE / ROOM ID
OFFICE 1127
SPACE NAME
SPACE NUMBER
DOOR NUMBER
DOCUMENT SHEET SYMBOL
KEYED SHEET NOTES
GLAZING SYMBOL
REVISION NUMBER
CPT1
FINISH SYMBOL

DEFINITIONS AND DIMENSIONS

A. DEFINITIONS:

1. "TYPICAL" OR "TYP" INDICATES IDENTICAL COMPLETE SYSTEM FOR THE CONDITION NOTED.

2. "SIMILAR" OR "SIM." INDICATES COMPLETE SYSTEM AND COMPONENTS COMPARABLE TO THE CHARACTERISTICS FOR THE CONDITION NOTED.

3. "AS REQUIRED" INDICATES CONTRACTOR SHALL PROVIDE COMPONENTS REQUIRED TO COMPLETE THE NOTED SYSTEM AS INDICATED IN THE PROJECT DOCUMENTS.

4. "ALIGN" INDICATES ACCURATELY PROVIDE FINISH FACES OF MATERIALS IN STRAIGHT, TRUE, AND PLUMB RELATION ADJACENT MATERIALS.

5. "CLEAR" INDICATES CRITICAL DIMENSION AND SHALL SET PRECEDENT FOR LAYOUT OF PARTITIONS.

B. DIMENSIONS:

1. DIMENSIONS ARE INDICATED TO THE FACE OF FINISHED SURFACE AT ALL NEW AND EXISTING CONSTRUCTION, CENTER OF COLUMNS OR GRID LINES UNLESS OTHERWISE NOTED.

2. ALIGNMENT OF PARTITIONS AND FINISHES AS SCHEDULED SHALL BE STRAIGHT, TRUE & PLUMB. DIMENSIONAL LAYOUT SHALL BE IN THE FOLLOWING PRIORITY ORDER.
   A. STRUCTURAL DRAWINGS
   B. LARGE SCALE DETAILS
   C. SMALL SCALE DETAILS
   D. ENLARGED PLANS AND SECTIONS
   E. FLOOR PLANS

3. MINIMUM DIMENSIONS FOR ACCESSIBILITY CLEARANCES AND BUILDING CODE REQUIREMENTS SHALL BE MAINTAINED.

4. FLOOR ELEVATIONS ARE INDICATED AT THE FACE OF THE STRUCTURAL SLAB, UNLESS OTHERWISE NOTED.

5. VERTICAL DIMENSIONS ARE INDICATED FROM THE FLOOR ELEVATION TO FACE OF FINISHED MATERIAL, UNLESS NOTED ABOVE FINISH FLOOR - "AFF".

6. CEILING HEIGHTS ARE INDICATED FROM THE FLOOR ELEVATION TO THE FACE OF SUSPENDED ACOUSTIC CEILING GRID OR FACE OF FINISH MATERIAL FOR OTHER CEILING TYPES, UNLESS OTHERWISE NOTED.

7. DOCUMENTS ARE DRAWN DIAGRAMMATICALLY, AND SCALED DIMENSIONS ARE APPROXIMATE. DIMENSIONS SHALL INDICATE REQUIRED SIZE, CLEARANCES, AND RELATIONSHIPS ARE INDICATED BY DIMENSIONS AS NOTED.

PROLOGIS PUYALLUP 1 MAKE READY

PUYALLUP 1

ARCH / INTERIOR ABBREVIATIONS

A.B.	ANCHOR BOLT	F.U.	FIREPROOF	P.	PAINT
A.C.P.	ACOUSTICAL CEILING PANEL	F.R.	FIRE RESISTIVE	PART.	PARTITION
A.C.T.	ACOUSTICAL CEILING TILE	F.R.P.	FIBERGLASS- REINFORCED PANEL	PBD.	PARTICLEBOARD
A.F.F.	ABOVE FINISH FLOOR	F.S.	FULL SIZE	PC.	PIECE
A.P.C.	ACOUSTICAL PANEL CEILING	FDN.	FOUNDATION	PERF.	PERFORATED
A.T.	ACOUSTICAL TILE	FIN.	FINISH	PERP.	PERPENDICULAR
ACOUS.	ACOUSTICAL	FIXT.	FIXTURE	PL.	PLATE
ADJ.	ADJACENT	FLASH	FLASHING	PLAM.	PLASTIC LAMINATE
ADJST.	ADJUSTABLE	FLDG.	FOLDING	PLAS.	PLASTER
ALT.	ALTERNATE	FLR.	FLOOR	PLBG.	PLUMBING
AL.	ALUMINUM	FLUOR.	FLUORESCENT	PLYWD.	PLYWOOD
AN.	ANODIZED	FR.	FRAME OR FRAMING	PNL.	PANEL
APPROX.	APPROXIMATELY	FT.	FEET OR FOOT	PR.	PAIR
ARCH.	ARCHITECTURAL	FTG.	FOOTING	PRCST.	PRECAST
ASB.	ASSEMBLY	FURR.	FURRING	PT.	PAINT OR POINT
A/V	AUDIO / VISUAL	FUT.	FUTURE	PTN.	PARTITION
B.O.C.	BOTTOM OF STRUCTURE	G.B.	GRAB BAR	QTY.	QUANITY
B.P.	BUILDING STANDARD	G.C.	GENERAL CONTRACTOR	(R)	RELOCATE
B.U.	BUILT-UP	G.L.R.	GLU-LAM BEAM	R.	RISER
BD.	BOARD	GWB	GYPSUM WALLBOARD	R.D.	RIGHT HAND
BTWN.	BETWEEN	GA.	GAUGE	R.I.A.	ROUGH-IN ONLY
BLDG.	BUILDING	GALV.	GALVANIZED	R.O.	ROUGH OPENING
BLK.	BLOCK	GL.	GLASS	RAD.	RADIUS
BLKG.	BLOCKING	GND.	GROUND	REF.	REFERENCE OR REFRIGERATOR
BM.	BEAM	GP.	GROUP	REINF.	REINFORCED OR REINFORCING
BO	BOTTOM OF	GR.	GRADE	REL.	RELOCATED
BOT.	BOTTOM	GYP.	GYPSUM	REM.	REMOVE
BRKT.	BRACKET	H.	HIGH	REQ.	REQUIRED
C.B.	CATCH BASIN	H.A.	HANDICAP OR HOLLOW CORE	REV.	REVISION
C.F.	CUBIC FEET OR FOOT	H.M.	HOLLOW METAL	RM.	ROOM
C.L.	CENTERLINE	H.R.	HAND RAIL	RTD.	RATED
C.M.A.	CONCRETE MASONRY UNITS	H.W.T.	HOT WATER TANK	S.C.	SOLID CORE
C.T.	CERAMIC TILE	HBD.	HARDBOARD	S.D.	SMOKE DETECTOR
C.Y.	CUBIC YARD(S)	HDR.	HEADER	S.F.	SQUARE FEET
CAB.	CABINET	HDW.	HARDWARE	S.S.	STAINLESS STEEL
CEM.	CEMENT	HORIZ.	HORIZONTAL	S.V.	SHEET VINYL
CER.	CERAMIC	HR.	HOUR	S.Y.	SQUARE YARDS
CLG.	CEILING	HT.	HEIGHT	SCHED.	SCHEDULE
CLKG.	CAULKING	HWD.	HARDWOOD	SCR.	SCREEN
CLR.	CLEAR	INCL.	INCLUDED, INCLUDING	SECT.	SECTION
CNTR.	COUNTER	INFO.	INFORMATION	SH.	SHELF
COL.	COLUMN	INSUL.	INSULATION	SH.&P.	SHELF AND POLE
COMP.	COMPOSITION	INT.	INTEGRAL INTERIOR	SHT.	SHEET
CONC.	CONCRETE	JAN.	JANITOR	SHTH.	SHEATHING
COND.	CONDITION	JST.	JOIST	SHWR.	SHOWER
CONF.	CONFERENCE	JT.	JOINT	SIM.	SIMILAR
CONN.	CONNECTION			SL.	SLOPE
CONSTR.	CONSTRUCTION	K.D.	KNOCK-OUT	SMS.	SHEET METAL SCREW
CONT.	CONTINUOUS	KIT.	KITCHEN	SPEC.	SPECIFICATION
CONTR.	CONTRACTOR			SPKLR.	SPRINKLER
CORR.	CORRIDOR / CORRUGATED	L.B.	LAG BOLT	SPKR.	SPEAKER
CPT.	CARPET	L.F.	LINEAL FOOT	SQ.	SQUARE
CTR.	CENTER	L.H.	LEFT HAND	STD.	STANDARD
CTSK.	COUNTERSUNK	LL.	LIVE LOAD	STL.	STEEL
D.	DEEP OR DEPTH	L.PT.	LOW POINT	STN.	STAIN
D.A.	DOUBLE ACTING	LAB.	LABORATORY	STOR.	STORAGE
D.F.	DRINKING FOUNTAIN	LAM.	LAMINATE	STRUC.	STRUCTURAL
D.P.	DAMPPROOFING	LAV.	LAVATORY	SURR.	SURROUND
D.W.	DISHWASHER	LB.	POUND	SUSP.	SUSPENDED
DBL.	DOUBLE	LBL.	LABEL	SYMM.	SYMMETRICAL
DEC.	DECORATIVE	LOC.	LOCATION	SYS.	SYSTEM
DEMO.	DEMOLISH OR DEMOLITION	LVR.	LOUVER	T.	TREAD
DEPT.	DEPARTMENT	M.D.F.	MEDIUM DENSITY FIBERBOARD	T.A.	TOILET ACCESSORY
DIA.	DIAMETER	M.D.O.	MEDIUM DENSITY OVERLAY	T.B.D.	TO BE DETERMINED
DIAG.	DIAGONAL	M.E.	MATCH EXISTING	T.&G.	TONGUE AND GROOVE
DIFF.	DIFFUSER	M.H.	MANHOLE	T.B.	TACK BOARD
DIM.	DIMENSION	M.O.	MASONRY OPENING	T.O.	TOP OF
DISP.	DISPENSER	MACH.	MACHINE	T.O.C.	TOP OF CURB OR CONCRETE
DN.	DOWN	MATL.	MATERIAL	T.O.S.	TOP OF SLAB OR TOP OF STEEL
DOCS.	DOCUMENTS	MAX.	MAXIMUM	T.O.P.	TOP OF PAVEMENT
DR.	DOOR	MBR.	MEMBER	T.O.W.	TOP OF WALL
DTL.	DETAIL	MECH.	MECHANICAL	T.S.	TUBE STEEL
DWG.	DRAWING	MEMB.	MEMBRANE	TV.	TELEVISION
(E)	EXISTING	MEZZ.	MEZZANINE	TEL.	TELEPHONE
E.W.	ELECTRICAL PANEL	MFR.	MANUFACTURER	TEMP.	TEMPERED OR TEMPORARY
EA.	EACH	MIN.	MINIMUM	THK.	THICK
EL.	ELEVATION	MIRR.	MIRROR	TLT.	TOILET
ELEC.	ELECTRICAL	MISC.	MISCELLANEOUS	THR.	THRESHOLD
ELEV.	ELEVATION OR ELEVATOR	MTD.	MOUNTED	TYP.	TYPICAL
ENCL.	ENCLOSURE	MTG.	MOUNTING	U.L.	UNDERWRITERS LABORATORIES
EQ.	EQUAL	MTL.	METAL	U.O.N.	UNLESS OTHERWISE NOTED
EQPT.	EQUIPMENT	MULL.	MULLION	U.P.S.	UNINTERUPTED POWER SUPPLY
EXH.	EXHAUST	N.	NEW	UNF.	UNFINISHED
EXST.	EXISTING	N.I.C.	NOT IN CONTRACT	UR.	URINAL
EXP.	EXPANSION	N.T.S.	NOT TO SCALE	V.B.	VAPOR BARRIER
EXT.	EXTERIOR	NO.	NUMBER	V.C.A.	VINYL COMPOSITION TILE
F.B.	FLAT BAR	NOM.	NOMINAL	V.G.	VERTICAL GRAIN
F.D.	FLOOR DRAIN	N/A	NOT APPLICABLE	V.I.F.	VERIFY IN FIELD
F.E.	FIRE EXTINGUISHER	O.C.	OVERALL	V.W.C.	VINYL WALL COVERING
F.E.C.	FIRE EXTINGUISHER CABINET	O.H.	ON CENTER	VERT.	VERTICAL
F.F.	FACTORY FINISH	O.L.	OVERHEAD	VEST.	VESTIBULE
F.F.E.	FINISH FLOOR ELEVATION	O.S.B.	OCCUPANT LOAD	W.	WIDE
F.F.W.	FINISH FACE OF WALL	O/	ORIENTED STRANDBOARD	W.A.	WATER CLOSET
F.I.O.	FURNISHED AND INSTALLED BY OWNER	OBS.	OVER	W.H.	WATER HEATER
F.O.	FACE OF	OCC.	OBSCURE	W.P.	WATERPROOF
F.O.F.	FACE OF FINISH	OFF.	OCCUPANT	W.R.	WATER RESISTANT
F.O.I.C.	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR	OP.	OFFICE	W/	WITH
F.T.I.C.	FURNISHED BY TENANT, INSTALLED BY CONTRACTOR	OPNG.	OPERABLE	W/O	WITHOUT
		OPP.	OPENING	WD.	WOOD
		OVHD.	OPPOSITE	WDW.	WINDOW
			OVERHEAD	WT.	WEIGHT

BUILDING SUMMARY

1. PROJECT ADDRESS:
   PROLOGIS PUYALLUP 1 MAKE READY
   PUYALLUP 1
   1601 INDUSTRIAL PARK WAY, SUITE #100
   PUYALLUP, WA 98371

2. APPLICABLE CODES & ORDINANCES:
   2018 INTERNATIONAL BUILDING CODE WITH STATEWIDE AMENDMENTS
   2018 INTERNATIONAL MECHANICAL CODE WITH STATEWIDE AMENDMENTS
   2018 INTERNATIONAL FUEL GAS CODE
   2018 INTERNATIONAL FIRE CODE WITH STATEWIDE AMENDMENTS
   2018 WASHINGTON STATE COMMERCIAL ENERGY CODE
   2018 UNIFORM PLUMBING CODE WITH STATEWIDE AMENDMENTS
   2018 INTERNATIONAL EXISTING BUILDING CODE WITH STATEWIDE AMENDMENTS
   (FOLLOWING PRESCRIPTIVE COMPLIANCE METHOD 301.3.1)
   2009 ICC/ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
   2020 NATIONAL ELECTRICAL CODE

3. GENERAL BUILDING DESCRIPTION:
   TYPE OF CONSTRUCTION: III-B
   FIRE RESISTIVE SYSTEM: SPRINKLERED WITHOUT QUICK RESPONSE HEADS
   OCCUPANCY TYPE: 'B' OFFICE / 'S-2' WAREHOUSE

4. FIRE RESISTIVE CONSTRUCTION REQUIREMENTS:
   SHAFT ENCLOSURES: 2 HOUR
   EXIT STAIR ENCLOSURES: 2 HOUR
   CORRIDORS: NON-RATED PER IBC TABLE 1020.1

5. CODE SUMMARY: REFER TO SHEET GI003

6. PROJECT DESCRIPTION:
   ±130,912 SF, NON-STRUCTURAL INTERIOR TENANT IMPROVEMENT: WORK INCLUDES NON-STRUCTURAL DEMOLITION, NEW PARTITIONS, DOORS, AND FINISHES.

LEGAL DESCRIPTION / PARCEL NO.

PARCEL NUMBER: 0420212076

LEGAL DESCRIPTION: SECTION 21 TOWNSHIP 20 RANGE 04 QUARTER 23 L 1 OF DBLR 2007-06-28-5005 DESC AS BEG AT INTER OF SELY PUY IND RES LI AND N LI OF N LEVEE RD TH N 66 DEG 45 MIN 04 SEC W 381.81 FT TH N 66 DEG 45 MIN 55 SEC W 128.49 FT THS 34 DEG 32 MIN 45 SEC E 8.80 FT TH N N 65 DEG 38 MIN 56 SEC W 59.37 FT TH N 24 DEG 21 MIN 04 SEC E 15 FT TH S 89 DEG 32 MIN 08 SEC E 26.43 FT TO BEG OF NON TANG CURVE CONCAVE NWLY RAD OF 38 FT & CENTRAL ANGLE OF 50 DEG 13 MIN 31 SEC TH NELY ALG ARC OF SD C TO L FROM WHICH A TANG LI BEARS N 74 DEG 35 MIN 06 SEC E 33.31 FT TO A PT OF TANG TH N 24 DEG 21 MIN 35 SEC E 70.66 FT TO BEG OF A CURVE CONCAVE WLY RAD OF 270 FT & CENTRAL ANGLE OF 23 DEG 34 MIN 46 SEC TH NLY ALG ARC OF SD C TO L 111.12 FT TH N 00 DEG 46 MIN 49 SEC E 299.51 FT TO BEG OF CURVE CONCAVE ELY RAD 330 FT & A CENTRAL ANGLE OF 38 DEG 09 MIN 03 SEC TH NLY ALG ARC OF C TO R 219.73 FT TH N 38 DEG 55 MIN 52 SEC E 562.96 FT TH S 86 DEG 32 MIN 28 SEC E 844.26 FT TO SD SELY LI OF PUY IND RES TH S 38 DEG 57 MIN 46 DEG W 1157.36 FT TO POB EXC THAT POR CYD TO CY OF PUYALLUP FOR R/W PER ETN 4207692 OUT OF 2-072 SEG 2010-0061 JU 8/20/09JU

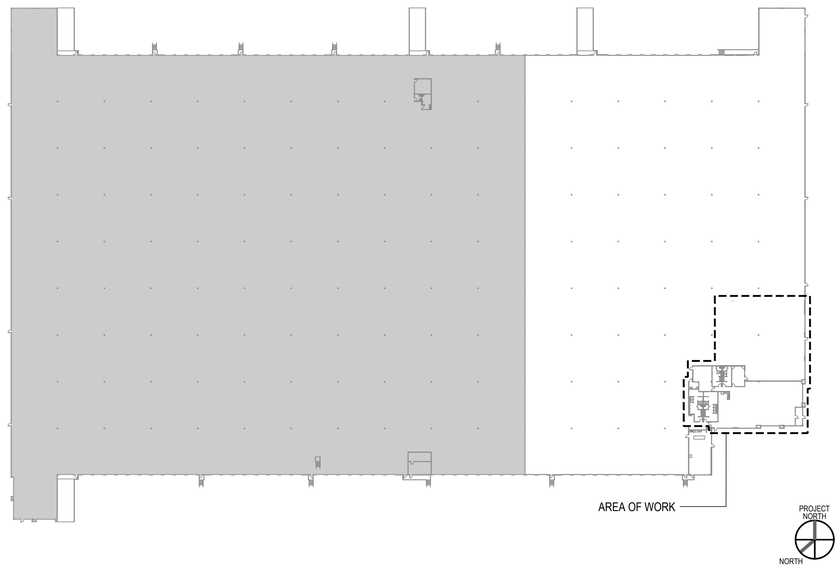
STREET MAP

PROJECT LOCATION

NORTH

KEY PLAN / FLOOR PLATE

SCALE: NTS



PROJECT TEAM

ARCHITECT/DESIGNER:
BURGESS INTERIOR ARCHITECTURE
1200 FIFTH AVENUE, SUITE 400
SEATTLE, WASHINGTON 98101
TEL: 206.587.7120
ATTN: SOPHEAP HILLE
EMAIL: SOPHEAPH@BURGESSPNW.COM

BUILDING MANAGER:
PROLOGIS
33930 WEYERHAEUSER WAY SOUTH, SUITE 100
FEDERAL WAY, WA 98001
TEL: 206.414.7626
ATTN: JAMES BIRCHARD
EMAIL: JBIRCHARD@PROLOGIS.COM

GENERAL CONTRACTOR:
TBD - BIDDER DESIGN BUILD BY G.C.

PLUMBING ENGINEER:
TBD - BIDDER DESIGN BUILD BY G.C.

MECHANICAL ENGINEER:
METRIX ENGINEERS - SCOTT AARON MILLER

ELECTRICAL ENGINEER:
METRIX ENGINEERS - BENJAMIN C. PREHODA

FIRE/LIFE SAFETY ENGINEER:
METRIX ENGINEERS - SCOTT AARON MILLER

DEFERRED SUBMITTALS / SEPARATE PERMIT

FIRE, LIFE SAFETY PERMIT UNDER SEPARATE SUBMITTAL.

DRAWING INDEX

SHEET NUMBER	SHEET TITLE	SHEET ISSUED	REVISION #	REVISION DATE
GI001	COVER SHEET / PROJECT INFORMATION	X		
GI002	PROJECT NOTES	X		
GI003	CODE SUMMARY	X		
GI004	PROLOGIS CUSTOMER STANDARD FINISH	X		
GI005	PROLOGIS CUSTOMER STANDARD FINISH	X		
ARCHITECTURE				
AD101	FLOOR DEMOLITION PLAN	X		
AD102	CEILING DEMOLITION PLAN	X		
AI101	CONSTRUCTION / POWER & DATA PLAN	X		
AI131	REFLECTED CEILING PLAN - OFFICE	X		
AI132	REFLECTED CEILING PLAN - WAREHOUSE	X		
AI200	ELEVATIONS			
AI300	SECTIONS	X		
AI500	DETAILS	X		
AI600	DOOR SCHEDULE & DETAILS / LIGHTING SCHEDULE	X		
ELECTRICAL				
E0.1	ELECTRICAL SYMBOLS & ABBREVIATIONS	X		
E0.2	ELECTRICAL SPECIFICATIONS	X		
E0.3	ELECTRICAL SCHEDULES	X		
E0.4	ELECTRICAL SCHEDULES	X		
E0.4	ELECTRICAL SCHEDULES	X		
ED2.1	LIGHTING DEMO PLAN	X		
ED3.1	POWER DEMO PLAN	X		
ED4.1	LOW VOLTAGE DEMO PLAN	X		
E2.1	LIGHTING PLAN	X		
E3.1	POWER PLAN	X		
E4.1	LOW VOLTAGE PLAN	X		
E8.1	ELECTRIC ONE-LINE DIAGRAM	X		
MECHANICAL				
M0.1	MECHANICAL LEGEND & GENERAL NOTES	X		
M0.2	MECHANICAL SCHEDULES	X		
MD1.1	MECHANICAL DEMOLITION FLOOR PLAN	X		
MD2.1	GAS PIPING DEMOLITION FLOOR PLAN	X		
M1.1	MECHANICAL FLOOR PLAN	X		
M1.2	MECHANICAL ROOF PLAN	X		
PLUMBING				
P0.1	PLUMBING LEGEND & GENERAL NOTES	X		
PD1.1	PLUMBING DEMOLITION FLOOR PLAN	X		

BURGESS DESIGN
INTERIORS - ARCHITECTURE
1200 5th Ave Suite 400 Seattle WA | 206.587.7120

Tenant:
PROLOGIS PUYALLUP 1
MAKE READY
PUYALLUP 1
1601 INDUSTRIAL PARK #100
PUYALLUP, WA 98371

CONSTRUCTION WORK SHALL NOT PROCEED UNTIL THE BUILDING OWNER / REPRESENTATIVE AND BUILDING TENANT HAVE GIVEN THEIR APPROVAL TO THESE CONSTRUCTION DOCUMENTS. APPROVAL BY THESE PARTIES SHALL BE INTERPRETED AS APPROVAL OF DRAWINGS FOR CONTENT, FINISH SELECTIONS, SCOPE OF WORK, AND ALL DIMENSIONS REGARDED BY EITHER PARTY AS BEING NECESSARY TO THEIR OPERATIONS, USE OF THE SPACE, FURNISHINGS, AND TENANT EQUIPMENT AND FURNITURE INSTALLATIONS.

CONSTRUCTION AND/OR INITIATION OF CONSTRUCTION, AUTHORIZED BY THE BUILDING OWNER FROM THESE CONSTRUCTION DOCUMENTS, SHALL BE INTERPRETED BY THE DESIGNER AS APPROVAL IN FULL OF THESE CONSTRUCTION DOCUMENTS BY BOTH THE BUILDING OWNER / REPRESENTATIVE AND THE TENANT.

Professional seal

6709 REGISTERED ARCHITECT
BRADLEY ROBERT SMITH
STATE OF WASHINGTON

No.	Issue Description	Date
	REVIEW SET	01.06.23
	REVIEW SET	01.30.23
	REVIEW SET	02.17.23
	REVIEW SET	02.27.23
	PERMIT SET	03.10.23

City Electronic Stamp Location

CLIENT APPROVAL DATE

City Electronic Stamp Location

Drawn by: MK Project Manager: SH

Project No: 22.0243.00

COVER SHEET/
PROJECT INFORMATION

Original drawing is 30" x 42". Scale entities accordingly if reduced

GI001

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

PROJECT NOTES

1. THESE PROJECT NOTES ARE GENERIC IN NATURE. CONTRACTORS INSTRUCTIONS FOR CONSTRUCTION ADMINISTRATION MAY VARY BASED ON THE CONTRACT BETWEEN BUILDING MANAGEMENT AND TENANT. VERIFY WITH BUILDING MANAGEMENT ALL CONSTRUCTION REQUIREMENTS AND CONSTRUCTION ADMINISTRATION RESPONSIBILITIES. THE DESIGNER MAY NOT HAVE CONSTRUCTION ADMINISTRATION OBLIGATIONS.
2. PLUMBING, ELECTRICAL, MECHANICAL & LIFE SAFETY SHALL BE PERFORMED UNDER THE DESIGN/BUILD CONTRACT, UNO. ALL WORK SHALL BE TO CODE. ANY INFORMATION ON THESE DRAWINGS ARE FOR REFERENCE AND SCHEMATIC DESIGN ONLY. CONTRACTOR IS RESPONSIBLE FOR ALL ASPECTS OF THE DESIGN. VERIFY REQUIREMENTS OF BUILDING MANAGEMENT AND TENANT. REVIEW OF SHOP DRAWINGS, IF APPROPRIATE, IS FOR AESTHETIC REASONS ONLY.
3. VERIFY BUILDING STANDARDS WITH BUILDING MANAGEMENT WHEN WORKING IN SUITES WITH NON BUILDING STANDARD ELEMENTS. VERIFY PREFERRED DETAILING OF THESE ELEMENTS WITH BUILDING MANAGEMENT.
4. VERIFY ALL RULES, GENERAL CONDITIONS AND SPECIALIZED BUILDING REQUIREMENTS WITH THE BUILDING MANAGEMENT.
5. VERIFY LEED REQUIREMENTS WITH BUILDING MANAGEMENT.

DIVISION I - GENERAL CONDITIONS

1. GENERAL DESCRIPTION OF THE PROJECT: NON-STRUCTURAL INTERIOR TENANT IMPROVEMENT OF A COMMERCIAL OFFICE SUITE, UON.
2. WHERE NO BUILDING STANDARDS EXIST FOR MATERIALS CALLED OUT AS "BUILDING STANDARD" ON THE PLANS, THE CONTRACTOR SHALL SO ADVISE BURGESS INTERIOR ARCHITECTURE WITHIN TEN (10) DAYS OF THE CONTRACTOR'S RECEIPT OF THE PLANS SO THAT BURGESS INTERIOR ARCHITECTURE MAY MAKE ALTERNATE SELECTIONS.
3. CONTRACTOR SHALL VERIFY ALL REQUIREMENTS OF EXACT SIZE AND QUANTITY OF EQUIPMENT FURNISHED BY THE TENANT, INCLUDING REQUIREMENTS FOR MECHANICAL AND ELECTRICAL SERVICES, AND IS RESPONSIBLE FOR ALL ROUGH-IN CONNECTIONS. EACH SUBCONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ADJACENT WORK AND SHALL REPAIR SAID DAMAGE AT THEIR OWN EXPENSE.
4. FIRE/EMERGENCY SYSTEMS INCLUDE, BUT ARE NOT LIMITED TO, SPRINKLER MODIFICATIONS, FIRE EXTINGUISHER PLACEMENT, AUDIBLE ALARMS, SMOKE AND HEAT DETECTORS, STROBES, AND EXIT SIGN PLACEMENT.
5. ALL DESIGN BUILD INFRASTRUCTURE SHALL BE UNDER A SEPARATE PERMIT BY CONTRACTOR.
6. WORK NOT INCLUDED: CONTRACTOR SHALL PROVIDE THE FOLLOWING ITEMS DESCRIBED IN THE SPECIFICATIONS AND SHOWN ON THE PLANS EXCEPT FOR THE ITEMS INDICATED "N.I.C." (NOT IN CONTRACT), SUCH AS TELEPHONE AND DATA CABLES, OFFICE FURNITURE, EQUIPMENT AND MOBILE KITCHEN APPLIANCES.
7. CONTRACTOR TO PROVIDE ALL FIRE/EMERGENCY SYSTEMS AS REQUIRED BY ALL APPLICABLE CODES. FIRE/EMERGENCY SYSTEMS INCLUDE BUT NOT LIMITED TO SPRINKLER MODIFICATIONS, FIRE EXTINGUISHERS, AUDIBLE ALARMS, STROBES, SPRINKLERS, SMOKE AND HEAT DETECTORS, AND EXIT SIGNS.
8. EVERY EXIT DOOR SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT, AND SHALL BE EQUIPPED WITH PANIC HARDWARE WHERE REQUIRED AND INDICATED.
9. ANY MATERIAL USED IN CONSTRUCTION SHALL MEET CURRENT FLAME CODE REGULATIONS.
10. ALL ELECTRICAL, PLUMBING AND MECHANICAL MATERIAL INSTALLATIONS SHALL COMPLY WITH THE BUILDING SHELL STANDARD SPECIFICATIONS.
11. THE GENERAL CONTRACTOR SHALL LAY OUT THE WORK IN CONFORMITY WITH THE REQUIREMENTS OF CONTRACT DOCUMENTS, AND WILL BE HELD RESPONSIBLE FOR PROPER ESTABLISHMENT AND MAINTENANCE OF ALL LINES AND DIMENSIONS. BEFORE DOING AND WORK, THE GENERAL CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS AT THE SITE AND NOTIFY THE ARCHITECTS OF ANY DISCREPANCIES.
12. THE CONTRACTORS SHALL USE DIMENSIONS ONLY. DO NOT SCALE PLANS. ALL DIMENSIONS ARE TO FINISHED FACE UNLESS OTHERWISE NOTED.
13. MATERIALS: ALL MANUFACTURED ARTICLES, MATERIALS, AND EQUIPMENT SHALL BE APPLIED AS RECOMMENDED BY MANUFACTURERS. ALL LIKE MATERIALS USED SHALL BE OF THE SAME MANUFACTURER AND QUALITY UNLESS OTHERWISE SPECIFIED. ALL MATERIAL, EQUIPMENT AND FIXTURES SHALL BE CODE WORTHY WITH ALL PROPER JURISDICTIONAL APPROVALS.
14. CONFIRM LONG LEAD ITEMS AT THE START OF THE JOB AND REPORT TO DESIGNER AND BUILDING MANAGEMENT ANY SCHEDULE CONFLICTS.
15. CONFIRM ALL WARRANTEE PERIOD WITH BUILDING MANAGEMENT. IN LIEU OF STANDARD ALL WORK SHALL BE WARRANTED FOR ONE YEAR.
16. CONFIRM STRUCTURAL SYSTEM OF BUILDING AND USE APPROPRIATE CONNECTION TECHNICS. UTILIZE REBAR OR TENDON DETECTION TECHNOLOGY TO LOCATE EXISTING STRUCTURE IN CONCRETE SLABS AND OTHER ON SITE CONDITIONS.

DIVISION II - SITE WORK AND DEMOLITION

1. FURNISH ALL LABOR, MATERIALS AND EQUIPMENT AS REQUIRED TO COMPLETE THE DEMOLITION AND REMOVAL OF ALL ITEMS LOCATED IN THE CONSTRUCTION AREAS. UPON COMPLETION OF ALL DEMOLITION WORK, ALL AREAS SHALL BE LEFT BROOM CLEAN.
2. DEMOLITION OF TELEPHONES, ELECTRICAL, VOICE/DATA AND PANELS ARE TO BE REMOVED BACK TO ORIGINATING SOURCE. DEMOLITION OF CORES AND RELATED CABLING TO BE REMOVED FROM TENANT SPACES BELOW.
3. DURING THE REMOVAL OF ANY ENVIRONMENTALLY HAZARDOUS MATERIALS, PROTECTION GUIDELINES SHOULD BE STRICTLY FOLLOWED BY CODE OR LOCAL GOVERNING AUTHORITY. VERIFY ALL REQUIREMENTS WITH BUILDING OWNER.
4. ALL EXISTING CONSTRUCTION ITEMS THAT INTERFERE WITH THE CONSTRUCTION NEGOTIATED BY THE PRICING PLAN / SPACE PLAN WITH WORK LETTER SHALL BE REMOVED, RELOCATED, OR KEPT FLUSH IN CEILING, WALL, OR FLOOR AS REQUIRED.
5. ALL DAMAGED, ALTERED OR REWORKED AREAS SHALL BE PATCHED AS REQUIRED AND FINISHED TO MATCH EXISTING ADJACENT AREAS OR AS SPECIFIED TO PROVIDE A "LIKE-NEW FINISH".
6. CONTRACTOR SHALL PROVIDE PLASTIC SHEETING OR OTHER APPROPRIATE BARRIER TO CONTROL DUST AND DEBRIS SUCH THAT IT DOES NOT AFFECT AREAS OUTSIDE THE AREA OF WORK.
7. CONTRACTOR SHALL PROVIDE ALL DUE CAUTION FOR SITE WORK. CALL 811 BEFORE STARTING ANY SITE WORK.

DIVISION VI - ARCHITECTURAL CARPENTRY AND CASEWORK

1. ROUGH CARPENTRY TO INCLUDE ANY WOOD STUDS, FURRING, BLOCKING, ROUGH FRAMING, WOOD CURBS, BUCKS, NAILERS, BACKING, FIXTURE FRAMING, EQUIPMENT SUPPORTS, ETC. AS DETAILED.
2. FINISH CARPENTRY TO INCLUDE INSTALLATION OF ALL FIXTURES AND ASSOCIATED TRIMS, HARDWARE AND NOSINGS.
3. PROVIDE INTERIOR DOOR AND SIDELIGHT FRAMES AS SCHEDULED.
4. CABINET CONSTRUCTION: COMPLY WITH THE A.W.I. ARCHITECTURAL WOODWORK QUALITY STANDARDS FOR CUSTOM GRADE WORK. CABINETS SHALL BE FLUSH CONSTRUCTION.
5. PROVIDE PARTICLE BOARD, MED. DENSITY, WEIGHING <40 LB./CU. FT., AT LEAST 3/4" THICK.
6. CABINET HARDWARE: FULL EXTENSION DRAWER GLIDES, STAINLESS STEEL CABINET PULLS, US32D FINISH, AND CONCEALED DOOR HINGES, SHELF HARDWARE AND OTHER REQUIRED ITEMS, UON IN ELEVATIONS / DETAILS, OR PER BUILDING STANDARD.
7. PLASTIC LAMINATE: HIGH-PRESSURE DECORATIVE LAMINATE SELECTED FROM WILSONART, NEVAMAR, AND FORMICA, UON. LAMINATE TO BE GENERAL-PURPOSE GRADE .050" HORIZONTAL AND .030" VERTICAL. SHELVING SHALL COMPLY WITH AWI SECTION 600.
8. CABINET HINGES SHALL BE 135 DEGREE FRAMELESS CONCEALED EUROPEAN STYLE HINGE AND FULL EXTENSION HEAVY DUTY DRAWER GLIDES, UNO. CORNER UNITS SHALL BE 94 DEGREE HINGES.
9. INTERIOR CABINET SURFACES & SHELVES TO BE OF PREFINISHED BOARD WITH POLYESTER OVERLAY, UON.
10. SHELF EDGING TO BE P-LAM, UON
11. SUBMIT SHOP DRAWING SUBMITTALS FOR ARCHITECT REVIEW.

DIVISION VII - THERMAL AND MOISTURE PROTECTION

1. WHEN PROJECT CONSISTS OF NEW RESTROOMS OR SHOWERS OR OTHER TYPES OF BUILD OUT. GC SHALL VERIFY ALL WATERPROOFING REQUIREMENTS WITH BUILDING MANAGEMENT. PROVIDE WATERPROOFING PER MANUFACTURE'S SPECIFICATION.
2. ROOF WORK SHALL BE DONE UNDER BUILDING MANAGEMENTS WARRANTEE POLICY. VERIFY ALL REQUIREMENTS WITH BUILDING MANAGEMENT.

DIVISION VIII - DOORS AND WINDOWS

1. PROVIDE AND INSTALL INTERIOR SUITE DOORS AS INDICATED ON DRAWINGS.
2. DOOR SCHEDULE SPECIFIES FINISH (BOTH SIDES OF DOOR) AND FRAME, UON.
3. DOORS SHALL BE PRE-MACHINED FOR HARDWARE PER HARDWARE SCHEDULE.
4. SUBMIT SHOP DRAWING SUBMITTALS FOR ARCHITECT REVIEW.
5. CONTRACTOR SHALL REVIEW SUITE FOR DOOR STYLE CHANGES AND VERIFY WITH ARCHITECT AND BUILDING MANAGEMENT THE DOOR AND SIDELIGHT STYLE TO MATCH IF A VARIATION IS PRESENT
6. PROVIDE FIRE PROTECTION IN ALL PENETRATIONS IN RATED ASSEMBLIES.
7. IN OPEN CEILING CONDITIONS REPAIR OR REPLACE FIRE PROTECTION AS NEEDED.
8. IF SPRAY ON FIREPROOFING IS VISIBLE AND TO RECEIVE PAINT FINISH PROVIDE A SMALL AREA MOCK UP OF BOTH FIRE PROOFING AND WALL SURFACE SO THAT THE COLOR CAN BE CORRECTED DUE TO THE SUBSURFACE CONDITIONS OF DISSIMILAR MATERIALS.
9. PATCH AND REPAIR ANY FIREPROOFING AT SHAFTS, CORRIDORS AND OTHER RATED ASSEMBLIES AS NEEDED. MATCH EXISTING RATINGS AND CONDITIONS. PROVIDE FIRESTOPPING, SEALANT AND OTHER FIRE RATED ASSEMBLIES AS NEEDED. VERIFY WITH BUILDING MANAGEMENT PREFERRED METHODS AND MATERIALS.
10. FINISH AND SPECIALTY HARDWARE INCLUDES ALL ACCESSORIES, TOOLS, AND FASTENERS REQUIRED FOR HARDWARE INSTALLATION AND MAINTENANCE. ITEMS NOT SPECIFICALLY MENTIONED, BUT NECESSARY TO COMPLETE THE WORK, SHALL BE FURNISHED MATCHING IN QUALITY AND FINISH OF SPECIFIED IN SIMILAR LOCATIONS.
11. PROVIDE ALL HARDWARE AS SPECIFIED PER THE HARDWARE SCHEDULE.
12. ALL LOCK SETS SHALL CONFORM TO THE BUILDING'S GRAND MASTER KEYING SYSTEMS. PROVIDE AT LEAST TWO (2) KEYS FOR EACH LOCK AND TWO (2) MASTER KEYS FOR THE SUITE. ALL KEYS TO BE TAGGED WITH ROOM NUMBERS. CONFIRM QUANTITY WITH BUILDING MANAGEMENT.
13. SUBMIT HARDWARE SCHEDULE WITH CATALOGUE CUT SHEETS FOR ARCHITECT REVIEW.
14. ALL DOORS SHALL HAVE A MINIMUM OF 1-1/2 PAIR OF BUTT HINGES, ONE LATCHSET OR LOCK SET, AND ONE DOOR STOP TO MEET ACCESSIBILITY REQUIREMENTS.
15. ALL HARDWARE SHALL BE COMMERCIAL GRADE AND RATED AT REQUIRED ASSEMBLIES.
16. PROVIDE CLOSERS PER HARDWARE SCHEDULE AND AT ALL RATED ASSEMBLIES.
17. ALL HARDWARE SHALL MATCH BUILDING STANDARD IN STYLE AND FINISH.
18. SET UNITS LEVEL, PLUMB AND TRUE TO LINE AND LOCATION. ADJUST AND REINFORCE THE ATTACHMENT SUBSTRATE AS NECESSARY FOR PROPER INSTALLATION AND OPERATION.
19. ADJUST AND CHECK EACH OPERATING ITEM OF HARDWARE AND EACH DOOR TO ENSURE PROPER OPERATION OR FUNCTION OF EVERY UNIT. REPLACE UNITS WHICH CANNOT BE ADJUSTED TO OPERATE FREELY AND SMOOTHLY AS INTENDED FOR THE APPLICATION MADE.
20. PROVIDE PROPER SMOKE GASKETS AT RATED ASSEMBLIES.
21. THE FOLLOWING UL LISTINGS ARE REQUIRED ON THE FOLLOWING HARDWARE:
    PANIC HARDWARE - UL #305
    FIRE EXIT HARDWARE - UL #106 & UL #305
    ELECTROMAGNETIC LOCK HARDWARE - UL # FWAX-S-A-6635
    THE CRASH BAR MUST BE AT LEAST 1/2 OF THE DOOR WIDTH AND OPEN FORCE NO MORE THAN 5 LBS. VERIFY WITH BUILDING STANDARD & MANAGEMENT AND INFORM ARCHITECT IF BUILDING STANDARD DOESN'T COMPLY.
22. ALL EXTERIOR DOORS SHALL HAVE CODE REQUIRED U VALUE AND WEATHER STRIPPING.
23. ALL GLASS AT SIDELIGHTS AND DOORS SHALL BE 1/4" TEMPERED SAFETY GLAZING, UON.
24. CONTRACTOR SHALL VERIFY GLASS THICKNESS IS APPROPRIATE FOR DIMENSIONS AND SPANS.
25. THIS PROJECT MAY CONTAIN GLAZING THAT WILL BE SUBJECT TO FEDERAL GLAZING STANDARDS. GLAZING SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ADHERENCE TO THE REQUIREMENTS. IF GLAZING SUBCONTRACTOR FINDS ANYTHING IN THE DOCUMENTS NOT IN COMPLIANCE WITH THE STANDARD, THEY SHALL BRING DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
26. RATED GLASS (CERAMIC) RELITE SHALL BE PREMIUM POLISHED FINISH. GLAZING SHALL COMPLY WITH IBC 716.3

DIVISION IX - FINISHES

1. INCLUDE NECESSARY MATERIALS, LABOR AND ACCESSORIES FOR THE INSTALLATION OF ALL PARTITIONS AS SHOWN IN THE PLANS.
2. "WALL SURFACES" MEAN ALL VERTICAL SURFACES INCLUDING COLUMNS WHERE EXPOSED, CONVECTOR OR RADIATOR ENCLOSURES, FASCIAS, RETURNS, PLYWOOD BACKBOARDS, ETC.
3. ALL PARTITION HEADS SHALL MATCH BUILDING STANDARD, UON.
4. WALLS SHOWN ALIGNED WITH BASE BUILDING STRUCTURE SHALL BE FLUSH AND SMOOTH WITH BASE BUILDING STRUCTURE, UON.
5. SEISMIC BRACING: PROVIDE SEISMIC BRACING AS REQUIRED PER THE LATEST BUILDING CODES TO THE PARTITION HEADS AND CEILING GRID.
6. FRAMING STUDS: GALVANIZED STEEL STUDS PER CONSTRUCTION PLANS. PROVIDE WITH SHEET METAL BACKING WITHIN ALL WALLS RECEIVING CASEWORK (CABINETS, BOOKSHELVES, ETC.). VERIFY STUD SIZE MATCHES DOOR FRAMES IN STOCK IF APPLICABLE.
7. CONTRACTOR SHALL PROVIDE AND LOCATE ACCESS PANELS AS REQUIRED AFTER INSTALLATION OF MECHANICAL DUCTS, PLUMBING, AND ELECTRICAL WORK. FIRE RATE AS REQUIRED.
8. ALL DRYWALL TO BE 5/8" TYPE "X" UNLESS OTHERWISE NOTED. PROVIDE "M/R" TYPE DRYWALL OR CEMENT BOARD WHERE REQUIRED BY CODE AND AT ALL TOILET ROOMS, AND BEHIND CERAMIC TILES, UON.
9. INSTALL CORNER BEADS AT ALL EXTERNAL CORNERS. INSTALL METAL EDGE TRIM WHENEVER EDGE OF GYPSUM BOARD WOULD OTHERWISE BE EXPOSED OR SEMI-EXPOSED.
10. PRIOR TO RECEIVING FINISH, ALL SURFACES SHALL BE PROPERLY PREPARED AS REQUIRED TO RECEIVE FINAL FINISHING AS SPECIFIED.
11. EXTEND ALL SOFFIT FRAMING TO STRUCTURE ABOVE. PROVIDE STRUCTURAL DIAGONAL BRACING AS NECESSARY.
12. PROVIDE FRAMING FOR SUSPENDED CEILING WITH SEISMIC BRACING IN ACCORDANCE WITH REQUIREMENTS OF APPLICABLE CODES AND AS SHOWN ON DRAWINGS.
13. USE ACOUSTICAL SEALANT AROUND ALL PIPES, DUCTS, CONDUIT, OUTLETS, SWITCHES, ETC. ON BOTH SIDES OF CROSSING/PENETRATING WALLS WITH ACOUSTICAL INSULATION. PENETRATIONS OF FIRE-RATED WALLS SHALL BE PROTECTED BY APPLICABLE FIRE-RATED ASSEMBLIES AND MATERIALS.
14. FIRE AND SMOKE SEPARATION ASSEMBLIES SHALL BE MARKED AS REQUIRED IN IBC SECTION 703.7.
15. PROVIDE NEW CEILING TILE, CEILING GRID AND ALL ACCESSORIES AS REQUIRED TO INSTALL SUSPENDED ACOUSTICAL CEILINGS AS INDICATED ON DRAWINGS.
16. PROVIDE SEISMIC BRACING AS REQUIRED BY CODE AT NEW CEILING WORK ONLY. VERIFY WITH BUILDING MANAGEMENT IF EXISTING CONDITIONS ARE SEISMICALLY BRACED OR PROVIDE PER CODE.
17. COORDINATE WORK WITH OTHER TRADES HAVING WORK IN THE CEILING AND THE TELEPHONE AND DATA CABLE COMPANIES WHEREVER THEIR RESPECTIVE WORK IS CONTIGUOUS.
18. PROVIDE CUTOUTS AND OTHER SPECIAL PROVISIONS IN ACOUSTICAL WORK AS REQUIRED FOR LIGHTING FIXTURES, REGISTERS, DIFFUSERS, SPRINKLERS, AND OTHER INSERTED ITEMS.
19. ALL CUTOUTS SHALL BE CENTERED WITHIN ACOUSTIC CEILING TILE, UON.
20. ALL MATERIAL SHALL HAVE AN IDENTIFIED CLASSIFICATION FOR BOTH FLAME SPREAD INDEX AND SMOKE DEVELOPMENT INDEX AS IDENTIFIED IN CHAPTER 8 INTERIOR FINISHES OF THE IBC FOR OCCUPANCY AND ROOM TYPE.
21. ALL JOINTS IN THE TILE FIELD SHALL BE SQUARE, LEVEL AND PERFECTLY ALIGNED WITH EACH OTHER.
22. INSTALLED SUSPENDED CEILINGS TO BE LEVEL WITHIN A TOLERANCE OF 1/8" IN 12'-0". ANCHOR AS REQUIRED.
23. IN AREAS OF ALTERATIONS CONTRACTOR SHALL MATCH CONDITIONS AND MAKE EVERY EFFORT TO ALIGN, LEVEL AND MATCH NEW CEILING TO OLD. CONTRACTOR SHALL REVIEW ALL CEILINGS UPON COMMENCEMENT OF THE PROJECT AND INFORM THE BUILDING MANAGEMENT OF ANY DISCONTINUITIES IN THE CEILING WITHIN 10 DAYS.
24. ADJUST PARTITION HEAD DETAIL TO MATCH EXISTING CEILING CONDITIONS IF NECESSARY.
25. IN OPEN CEILING CONDITIONS OR IF CLOUDS ARE SPECIFIED, PROVIDE ALL WORK SUITABLE FOR AN EXPOSED AND VISIBLE CONDITION. HANGING, CONDUIT, DUCTWORK AND OTHER ITEMS SHALL BE PLUM AND TRUE. VERIFY ALL REQUIREMENTS WITH BUILDING OWNER CONCERNING MAINTAINING THE RETURN AIR PLENUM. PROJECTS THAT CONVERT ACT SPACE INTO OPEN SPACE SHALL HAVE THE FINISH OF THE OLD INTERSTITIAL SPACE FINISHED WITH GWB TO A LEVEL FLOOR FINISH, UNO. THIS MAY REQUIRE FURRING OR STUDS EXTENDED TO THE UNDERSIDE OF STRUCTURE.
26. PROVIDE ACOUSTICAL INSULATION BETWEEN FRAMING STUDS AND EXTENDING TWO FEET ON EACH SIDE OF PARTITION HEAD ABOVE CEILINGS FOR ALL WALLS NOTED PER PLANS.
27. NEW DEMISING WALL CONSTRUCTION TO HAVE SOUND BATT INSULATION BETWEEN FRAMING STUDS AND TWO FEET OF INSULATION ON EITHER SIDE OF THE PARTITION HEAD ABOVE CEILING GRID, UON.
28. PROVIDE VCT, SHEET LINOLEUM, SHEET VINYL AND RUBBER BASE AS INDICATED IN DRAWINGS. COLOR AND MANUFACTURER PER FINISH SCHEDULE.
29. PROVIDE RUBBER-REDUCING STRIPS IN COLOR TO MATCH SPECIFIED BASE, UNO. REDUCING STRIPS TO OCCUR AT ALL AREAS OF FLOOR MATERIAL TRANSITION. USE STAINLESS STEEL TRANSITION AT TILE TO DISSIMILAR MATERIAL, UNO.
30. BASE TO BE INSTALLED IN LONGEST AVAILABLE LENGTH WITH NO PIECE LESS THAN 12". NO JOINTS AT OUTSIDE CORNERS OR WITHIN 6" OF CORNERS. VERIFY HEIGHT OF RUBBER BASE REQUIRED WITH BUILDING MANAGEMENT. 4.5" MAY BE NECESSARY.
31. PATCH, LEVEL AND PREPARE SUB FLOORING WITH CEMENTITIOUS UNDERLAY PER MFR'S WRITTEN INSTRUCTIONS IN AREAS TO RECEIVE NEW FLOORING. MAX. ALLOWABLE TOLERANCE = 1/4" OVER 10'.
32. GENERAL CONTRACTOR SHALL APPLY FLOOR WAX TO NEW FLOORING AREAS PER MANUFACTURERS SPECIFICATION, UON.
33. UNLESS SPECIFIED ALL RUBBER BASE SHALL BE COVED BASE.
34. PROVIDE AND INSTALL COMMERCIAL GRADE CARPET AS INDICATED IN DRAWINGS.
35. PROVIDE SEAMING DIAGRAMS FOR ARCHITECT'S REVIEW.
36. UNLESS OTHERWISE NOTED, PRIME ALL GWB WALL SURFACES AND PAINT WITH MINIMUM OF TWO (2) FINISH COATS OF BENJAMIN MOORE EGGSHELL FINISH LATEX PAINT OR APPROVED EQUAL, UON. PROVIDE FOR NUMBER OF PAINT COLORS AS INDICATED IN DRAWINGS. VERIFY STANDARD LEVEL OF FINISH WITH BUILDING MANAGEMENT.
37. FINISH DOORS, DOOR FRAMES, AND SIDELIGHT FRAMES AS INDICATED IN DRAWINGS.
    A) PAINTED WOODWORK TO BE FINISHED WITH ONE (1) COAT PRIMER AND TWO FINISH COATS.
    B) SEALED WOODWORK TO BE STAINED PER FINISH SCHEDULE AND SEALED WITH A COMMERCIAL GRADE CLEAR SATIN VARNISH.
38. PAINT FOR THE LIGHT SURFACES TO CONFORM TO THE REQUIREMENTS OF THE "ARCHITECTURAL SPECIFICATIONS MANUAL" (AWS) FOR PAINT SYSTEMS. LATEX PAINT: AWS SYSTEM 3-B "CUSTOM" (1) COAT PRIMER AND TWO (2) FINISH COATS. GRADE LIGHT COLOR PAINT FINISH ON GYPSUM BOARD SURFACES.
39. PAINT FOR THE DARK SURFACES TO CONFORM TO THE REQUIREMENTS FOR THE "ARCHITECTURAL SPECIFICATIONS MANUAL" (AWS) FOR PAINT SYSTEMS. LATEX PAINT: AWS SYSTEM 3-B "CUSTOM" (1) COAT PRIMER AND TWO (2) FINISH COATS. GRADE DEEP TONE PAINT FINISH ON GYPSUM BOARD SURFACES.
40. UPON COMPLETION OF WORK, REMOVE EXCESS PAINT, STAIN, VARNISH, ADHESIVE, CAULK, ETC. FROM ALL OTHER SURFACES THAT WERE NOT SPECIFIED TO RECEIVE SAME.
41. TOUCH-UP AND PATCH SURFACES AS REQUIRED AFTER THE COMPLETION OF WORK BY OTHER TRADES.
42. WHERE COLUMNS OCCUR IN AREAS SCHEDULED TO BE FINISHED, THEY SHALL RECEIVE THE SAME FINISH AS THE ROOM, UON.
43. ALL PAINTED SURFACES SHALL BE PREPARED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS (ESPECIALLY IN REGARD TO THE PRIMING OF EXISTING SURFACES).
44. PUTTY ALL NAIL HOLES, COUNTERSUNK SCREWS, BOLTS, CRACKS, ETC. BEFORE APPLYING FINISH.
45. SAND ALL WOOD SURFACES SMOOTH AND EVEN BEFORE APPLYING FINISH.
46. SAND ENAMELED FINISHES APPLIED TO WOODS OR METAL BETWEEN COATS WITH FINE SANDPAPER TO PRODUCE SMOOTH FINISH.
47. MAKE FINISH WORK UNIFORM AND SMOOTH, FREE OF RUNS, SAGS, DEFECTIVE BRUSHING AND CLOGGING. MAKE EDGES OF PAINT ADJOINING OTHER MATERIALS OR COLORS SHARP AND CLEAN WITHOUT OVERLAPPING.
48. CHANGE PAINT FORMULATION AS REQUIRED FOR DIFFERENT ENVIRONMENTS, MATERIALS AND SURFACE PREPARATIONS.
49. VERIFY ATTIC STOCK REQUIREMENTS OF ALL FINISH MATERIALS WITH BUILDING MANAGEMENT AND TENANT.

DIVISION XII - FURNISHINGS

1. ALL EXISTING INTERIOR AND PERIMETER MINI BLINDS TO BE BAGGED AND CLEANED T0 LIKE-NEW CONDITION.
2. ALL PERIMETER GLAZING TO RECEIVE BLINDS AS INDICATED IN DRAWINGS. COORDINATE WITH BUILDING MANAGEMENT. MATCH EXISTING CONDITIONS UON.
3. ALL INTERIOR SIDELIGHTS TO RECEIVE 1" MINI-BLINDS WHERE INDICATED IN DRAWINGS.
4. PROVIDE SAMPLE AND CUT SHEET TO ARCHITECT FOR REVIEW.
5. PROVIDE AND INSTALL ALL CODE REQUIRED SIGNAGE.
6. TENANT'S FURNITURE SHALL BE THE RESPONSIBILITY OF THE TENANT AND THEIR VENDOR. GC SHALL INVITE AND COORDINATE TENANTS VENDOR FOR FIELD MEASUREMENTS AND VERIFICATION OF LAYOUT AND ALL ELECTRICAL AND VOICE DATA REQUIREMENTS.
7. FURNITURE SYSTEMS CONNECTIONS (WHIPS) SHALL BE PROVIDED BY TENANT'S FURNITURE VENDOR AND INSTALLED BY THE GC, UNO. GC TO COORDINATE. VERIFY ALL ELECTRICAL AND VOICE DATA CONNECTIONS.

DIVISION XXI - FIRE SUPPRESSION

1. ALTER OR INSTALL FIRE PROTECTION SYSTEM PER BUILDING STANDARD, LOCAL REGULATIONS AND ORDINANCES.
2. PROVIDE ALL EMERGENCY LIGHTING, EXIT SIGNS, FIRE ALARM SPEAKERS, STROBES AND BELLS AS REQUIRED BY CODE. DESIGN AND INSTALL THE SAME IN COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT.
3. PROVIDE SPRINKLERS, FIRE RATED DOORS AND FRAMES, FIRE EXTINGUISHERS, ETC. AS REQUIRED BY APPLICABLE LOCAL CODES AND LAWS.
4. FIRE EXTINGUISHERS SHALL BE BY UNDERWRITER'S LABORATORY 2A-10BC 5-LB, MULTIPURPOSE EXTINGUISHER WITH SQUEEZE-TYPE HANDLE AND FLEXIBLE DISCHARGE HOSE WITH VISIBLE PRESSURE GAUGE, UON.
5. FIRE EXTINGUISHERS SHALL BE INSTALLED PER BUILDING STANDARD REQUIREMENTS, UON. VERIFY LOCATION WITH FIRE MARSHALL. WHEN REQUIRED BY CODE, PROVIDE 1 WALL MOUNT TYPE IN EACH SERVER ROOM OR LABORATORY.
6. DESIGN BUILD FIRE PROTECTION DRAWINGS SHALL INDICATE:
    A. LAYOUT, LOCATION, AND SIZE OF SPRINKLER LINES AND HEADS.
    B. PRESSURE REQUIREMENTS.
    C. SPRINKLER HEAD SPECIFICATIONS.
    D. LOCATION OF FIRE PROTECTION RISERS AND WALL HYDRANTS
    E. CHANGES OF USE SHALL BE RESOLVED FOR NEW OCCUPANCY FIRE FLOW.
7. CONTRACTOR TO PROVIDE INSTALLATION DESIGN DOCUMENTS TO ARCHITECT AND BUILDING OWNER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. INCLUDE HORNS AND STROBES.
8. ALL SPRINKLER HEADS SHALL BE CENTERED IN ACOUSTICAL CEILING TILE, UON.
9. USE OF NFPA 13 QUICK RESPONSE HEADS MAY BE REQUIRED. CONTRACTOR SHALL VERIFY EXTENT OF QUICK RESPONSE HEADS BY CITY FOR THIS PROJECT.
10. IF CEILING IS DESIGNED FOR AN OPEN CEILING CONDITION, GC SHALL PROVIDE SPRINKLER HEADS IN AN UPRIGHT CONDITION. WORK SHALL BE VISIBLE AND SUITABLY CONSTRUCTED.

DIVISION XXII - PLUMBING

1. PROVIDE SUPPLY, WASTE AND VENT LINES, VALVES, FITTINGS, ETC. REQUIRED FOR KITCHEN SINKS, DISHWASHER, REFRIGERATOR, AIR CONDITIONING UNIT(S), VENDING MACHINES, COFFEE MAKER, WATER HEATERS, ETC.
2. ALL FIXTURE INSTALLATIONS SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT.
3. PROVIDE NEW PLUMBING FIXTURES AS SPECIFIED PER DRAWINGS, OR PER BUILDING STANDARD, UON.
4. PROVIDE HOT AND COLD WATER TO SINKS/DISHWASHERS IF APPLICABLE.
5. ALL NEW WATER HEATERS ARE TO BE INSTALLED WITH DRIP PAN CONNECTED TO WASTE LINE. VERIFY LOCATIONS WITH BUILDING MANAGEMENT AND INSPECTORS.
6. ALL PLUMBING FIXTURES ARE TO BE INSTALLED TO MEET CURRENT GOVERNING LOCAL AND FEDERAL CODES.
7. CONTRACTOR SHALL PROVIDE INSTALLATION DESIGN DOCUMENTS TO ARCHITECT AND BUILDING OWNER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
8. VERIFY WATER SUPPLY & SEWER DRAIN CAPACITY FOR ENTIRE BUILDING WILL MEET NEW CAPACITY WHEN NEW RESTROOMS ARE ADDED TO BUILDING.

DIVISION XXIII - MECHANICAL

1. PROVIDE BUILDING STANDARD HVAC SYSTEM WITH ALL MATERIALS, LABOR AND ACCESSORIES FOR COMPLETE OPERATION OF SYSTEM. CONTRACTOR TO BALANCE HVAC SYSTEM AS REQUIRED.
2. DESIGN BUILD MECHANICAL ENGINEERING DRAWINGS INDICATE:
    A. DUCTS, AIR MOVEMENT REQUIREMENTS, & SIZES OF GRILLES & REGISTERS.
3. CONTRACTOR TO PROVIDE INSTALLATION DESIGN DOCUMENTS TO ARCHITECT AND BUILDING OWNER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
4. HVAC CONTRACTOR TO CLEAN, REPAIR OR REPLACE SOILED OR DAMAGED HVAC GRILLS, FILTERS AND THERMOSTATS.
5. RE-ZONE, ALTER OR SEPARATE HVAC AS NECESSARY AS DIRECTED BY BUILDING MANAGEMENT FOR ALTERED SUITES.
6. IN OPEN CEILING CONDITIONS DESIGN OF HVAC WILL ACCOUNT FOR CHANGES IN THE RETURN AIR PLENUM. ALL HVAC WILL BE VISIBLE AND OF SUITABLE MATERIAL AND INSTALLATION METHOD.
7. IN HIGHRISE BUILDINGS CONTRACTOR SHALL VERIFY METHOD OF SMOKE CONTROL AND PROVIDE DESIGN CONSIDERATIONS IF NEEDED.

DIVISION XXVI - ELECTRICAL AND TELECOMMUNICATIONS

1. REUSE EXISTING ELECTRICAL AND DATA AS APPROPRIATE TO MEET THE TENANT'S REQUIREMENTS. REPLACE OUTLET COVER PLATES TO MATCH NEW FINISH IF APPLICABLE.
2. PROVIDE ALL WORK, EQUIPMENT AND LABOR FOR A COMPLETE AND OPERABLE ELECTRICAL SYSTEM. PROVIDE ELECTRICAL OUTLETS PER POWER AND DATA PLAN.
3. PROVIDE MUD RING FOR DATA AND COMMUNICATION AS SHOWN ON THE POWER AND DATA PLAN. EACH MUD RING TO HAVE A MINIMUM NUMBER OF WIRE PULLS AS INDICATED ON DRAWINGS. COORDINATE DATA CABLE CONFIGURATION WITH THE TENANT
4. ALL OUTLETS AND MUD RINGS TO BE LOCATED AT 18" AFF TO THE CENTER LINE, UON.
5. WHERE MULTIPLE DEVISES OCCUR IN A SINGLE LOCATION, ALL DEVICES SHALL BE GANGED UON.
6. ALL ELECTRICAL OUTLETS WITHIN THE CODE REQUIRED DISTANCE FROM A SINK SHALL BE ON A GROUND FAULT INTERRUPTED CIRCUIT.
7. ALL WIRING DEVICES: SHALL BE BUILDING STANDARD EXCEPT: "ISOLATED GROUND" OUTLETS SHALL BE ORANGE, "HOSPITAL GRADE ISOLATED GROUND" OUTLETS SHALL BE ORANGE WITH A GREEN DOT, "EMERGENCY" OUTLETS SHALL BE RED, AND "DEDICATED" OUTLETS FOR "CLEAN CIRCUIT" FIXTURES SHALL BE GRAY (UNLESS BUILDING STANDARD DICTATES OTHERWISE). ALL COVER PLATES SHALL BE BUILDING STANDARD FINISH, UON. VERIFY WITH BUILDING MANAGEMENT.
8. PROVIDE SEPARATE CIRCUITS FOR TENANT'S EQUIPMENT (INCLUDING THE TELEPHONE SWITCH, COPIERS, COMPUTERS, ETC.) WHEN NOTED ON THE CONSTRUCTION DOCUMENTS.
9. COORDINATE SCHEDULE WITH FURNITURE VENDOR FOR THE USE OF ELECTRICIANS DURING THE INSTALLATION OF TENANT'S NEW FURNITURE.
10. ALL ELECTRICAL WIRING, TELEPHONE AND COMPUTER CABLING, AND CONDUIT SHALL BE CONCEALED IN FLOORS, WALLS, OR CEILINGS. CABLING FOR VOICE AND DATA TO BE PROVIDED BY TENANT'S VENDORS AND SHALL BE COORDINATED BY THE BUILDING MANAGER, UNO.
11. THE CONTRACTOR IS TO COORDINATE WITH THE TENANTS SUPPLIED FURNITURE SYSTEMS TO INCLUDE BUT NOT LIMITED TO: ELECTRICAL AND DATA WIRING LOCATIONS, J-BOX LOCATIONS, CONNECTIONS AND WALL MOUNTED REQUIREMENTS.
12. THE CONTRACTOR IS TO VERIFY EXISTING ABANDONED CORE DRILL LOCATIONS AND FILL AS REQUIRED WITH MATERIAL TO MEET CURRENT FLAME SPREAD REGULATIONS. LOCATIONS TO BE PREPARED TO RECEIVE NEW FLOOR FINISH AS REQUIRED. FLOOR SHALL BE LEFT FLUSH
13. ARCHITECTURAL DRAWINGS INDICATE LOCATION ONLY OF DEVICES SHOWN. SWITCHING AND CIRCUITING SHALL BE INDICATED ON SEPARATE ELECTRICAL ENGINEERING AS-BUILT DRAWINGS AND SHALL MEET OWNER'S GUIDELINES.
14. ALL TELEPHONE, ELECTRICAL, COMMUNICATION AND SECURITY WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE CODES.
15. DRAWINGS INDICATE ALL DIMENSIONS TO CENTERLINE OF TELEPHONE, ELECTRICAL, AND COMMUNICATION COVER PLATE. OUTLETS SHOWN GROUPED TOGETHER ON PLAN SHALL BE SET TO A MINIMUM DIMENSION BETWEEN EACH DEVICE.
16. BACK-TO-BACK OUTLETS ARE NOT PERMITTED. OFFSET OUTLETS THE MINIMUM DIMENSION REQUIRED FOR ACOUSTICAL CONTROL.
17. LOCATION OF ALL WALL MOUNTED POWER AND DATA DEVICES SHALL BE FIELD REVIEWED BY THE TENANT BEFORE INSTALLATION.
18. ELECTRICAL ENGINEER TO PROVIDE DESIGN/BUILD PACKAGE TO ARCHITECT FOR REVIEW PRIOR TO INSTALLATION.
19. THE LAYOUT DIAGRAMS COORDINATE LOCATION OF POWER & DATA DEVICES. REFER TO DESIGN/BUILD DOCUMENTS FOR SCOPE, TECHNICAL LAYOUT AND SPECIFICATIONS FOR EACH DISCIPLINE.
20. ARCHITECTS DOCUMENTS INDICATE LOCATION AND RELATIONSHIP OF DEVICES. COORDINATE EXACT LOCATION WITH FURNITURE VENDOR.
21. COORDINATE POWER/DATA, FIRE SAFETY DEVICES & LIGHT FIXTURE MOUNTING LOCATIONS WITH INTERIOR ELEVATIONS, SYSTEM FURNITURE, FINISHES & CASEWORK.
22. PROVIDE EXTENSION RINGS AND MOUNTING ACCESSORIES WHERE REQUIRED FOR POWER/DATA DEVICES AND LIGHT FIXTURES. COORDINATE WITH INTERIOR FINISHES AND CASEWORK.
23. CONTRACTOR TO PROVIDE INSTALLATION DESIGN DOCUMENTS TO ARCHITECT AND BUILDING OWNER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
24. RECIRCUIT, ALTER OR SEPARATE ELECTRICAL AND VOICE SYSTEM AS NECESSARY AND AS DIRECTED BY BUILDING MANAGEMENT FOR ALTERED SUITES.
25. IN AN OPEN CEILING CONDITION ALL ELECTRICAL AND VOICE DATA SHALL BE VISIBLE AND SUITABLE INSTALLATION METHODS SHALL BE USED.
26. LOCATION OF SWITCHES SHALL BE SHOWN ON THE REFLECTED CEILING PLAN. ALL SWITCHES SHALL BE MOUNTED AT A MAXIMUM HEIGHT OF 48" A.F.F. TO MEET THE LATEST ACCESSIBILITY CODES AND REGULATIONS.
27. WHERE MULTIPLE SWITCHES OCCUR IN A SINGLE LOCATION, ALL SWITCHES SHALL BE GANGED UON.
28. WHEN WORKING IN PUBLIC CORRIDOR OR COMMON AREAS VERIFY SWITCHING REQUIREMENTS WITH BUILDING MANAGEMENT.
29. VERIFY WITH BUILDING MANAGEMENT SEPARATION OF SUITE SWITCHING WHEN DEMISING CONFIGURATIONS CHANGE.
30. DOWN LIGHTS SHOWN IN THE CENTER OF CEILING TILE WITHOUT DIMENSIONS ARE TO BE LOCATED IN THE CENTER OF CEILING TILE OR CENTER OF 2X2 PORTION OF 2X4 SECOND LOOK TILE. UON.
31. REUSE ALL EXISTING BUILDING STANDARD FLUORESCENT FIXTURES AS NEEDED PER DESIGN LAYOUT AND TO MEET LOCAL ENERGY CODE COMPLIANCE. VERIFY OR PROVIDE NEW LAMPS AND REPLACE FAULTY BALLASTS.
32. PERMIT DRAWINGS TO BE REVIEWED AND APPROVED IN WRITING BY LANDLORD PRIOR TO COMMENCEMENT OF WORK.
33. ALL OFFICE AREAS LESS THAN 300 SQ. FT. ENCLOSED BY WALLS OR CEILING-HEIGHT PARTITIONS, AND ALL MEETING AND CONFERENCE ROOMS, SHALL BE EQUIPPED WITH OCCUPANCY SENSORS, PER CODE.
34. DESIGN BUILD ELECTRICAL ENGINEERING DRAWINGS INDICATE:
    A. CIRCUITING AND WIRING OF LIGHT FIXTURES, AND SWITCHES.
    B. LIFE SAFETY EQUIPMENT.
    C. LOCATION OF REQUIRED EMERGENCY LIGHT FIXTURES.
    D. LIGHT FIXTURE SPECIFICATIONS
35. CONTRACTOR TO PROVIDE INSTALLATION DESIGN DOCUMENTS TO ARCHITECT AND BUILDING OWNER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
36. CONTRACTOR SHALL RE-CIRCUIT AND RE-SWITCH ALL ASPECTS OF TENANT SUITE AND ADJOINING SUITES AS NECESSARY TO FULLY SEPARATE TENANT SUITE FROM OTHERS, AND PROVIDE NEW CORRIDOR, HALLWAY AND OPEN OFFICE SWITCHES AS NEEDED.
37. VERIFY SWITCHING WITH TENANT AND BUILDING MANAGEMENT. VERIFY APPROVED ENERGY CODE REQUIREMENTS OR ENERGY MANAGEMENT SYSTEM AS PART OF THE DESIGN BUILD CONTRACT.
38. PROVIDE, ALTER OR VERIFY ALL EMERGENCY EXIT LIGHTING AND ACCESS PATHWAY LIGHTING AS DIRECTED BY EXISTING CONDITIONS AND CODE REQUIREMENTS.
39. EXIT SIGNS SHALL HAVE UL #924
40. PROJECT MAY HAVE MULTIPLE LIGHT SOURCES AND LAMPS. CONTRACTOR SHALL PROVIDE CONSISTENT LAMPING FOR ALL LIGHT FIXTURE AND BETWEEN FIXTURE TYPES. 3,500K IS PREFERRED. NOTIFY DESIGNER IF CONSISTENT LAMPING IS UNOBTAINABLE AT THE START OF THE PROJECT.
41. VERIFY ALL ENERGY CODE REQUIREMENTS WITH JURISDICTION OF RECORD. VERIFY LIGHT SWITCHING WITH TENANT AND BUILDING MANAGEMENT.
42. PROJECT MAY HAVE LED LIGHTS SPECIFIED. PROVIDE LIGHTING LEVEL ANALYSIS (IN FOOT CANDLES) FOR DESIGNER'S REVIEW BEFORE ORDERING PRODUCT. VERIFY CONTROLS WITH DESIGNER. ALL LED FIXTURES SHALL HAVE DIMMING CAPABILITIES SO THAT AS FIXTURE DIMINISHES THE POWER CAN BE INCREASED SO THAT LIGHTING LEVELS REMAIN CONSTANT AT 70% OVER THE LIFE OF THE FIXTURE (10 YEARS).
43. GC SHALL VERIFY ALL CARD ACCESS AND SECURITY REQUIREMENTS WITH BUILDING MANAGEMENT AND TENANT. DETERMINE IF A BUILDING WIDE SYSTEM IS AVAILABLE AT THE START OF THE PROJECT. IF SO AL WORK SHALL BE DONE SO THAT THE BUILDINGS WARRANTEE AND OPERATION IS MAINTAINED.

BURGESS DESIGN
INTERIORS • ARCHITECTURE
1200 5th Ave Suite 400 Seattle WA | 206.587.7120

Tenant:
PROLOGIS PUYALLUP 1
MAKE READY
PUYALLUP 1
1601 INDUSTRIAL PARK #100
PUYALLUP, WA 98371

Professional seal
6709
BRADLEY ROBERT SMITH
Bradley R Smith

No.	Issue Description	Date
	REVIEW SET	01.06.23
	REVIEW SET	01.30.23
	REVIEW SET	02.17.23
	REVIEW SET	02.27.23
	PERMIT SET	03.10.23

City Electronic Stamp Location

CLIENT APPROVAL DATE

City Electronic Stamp Location

Drawn by: XX
Project Manager: SH
Project No: 22.0243.00

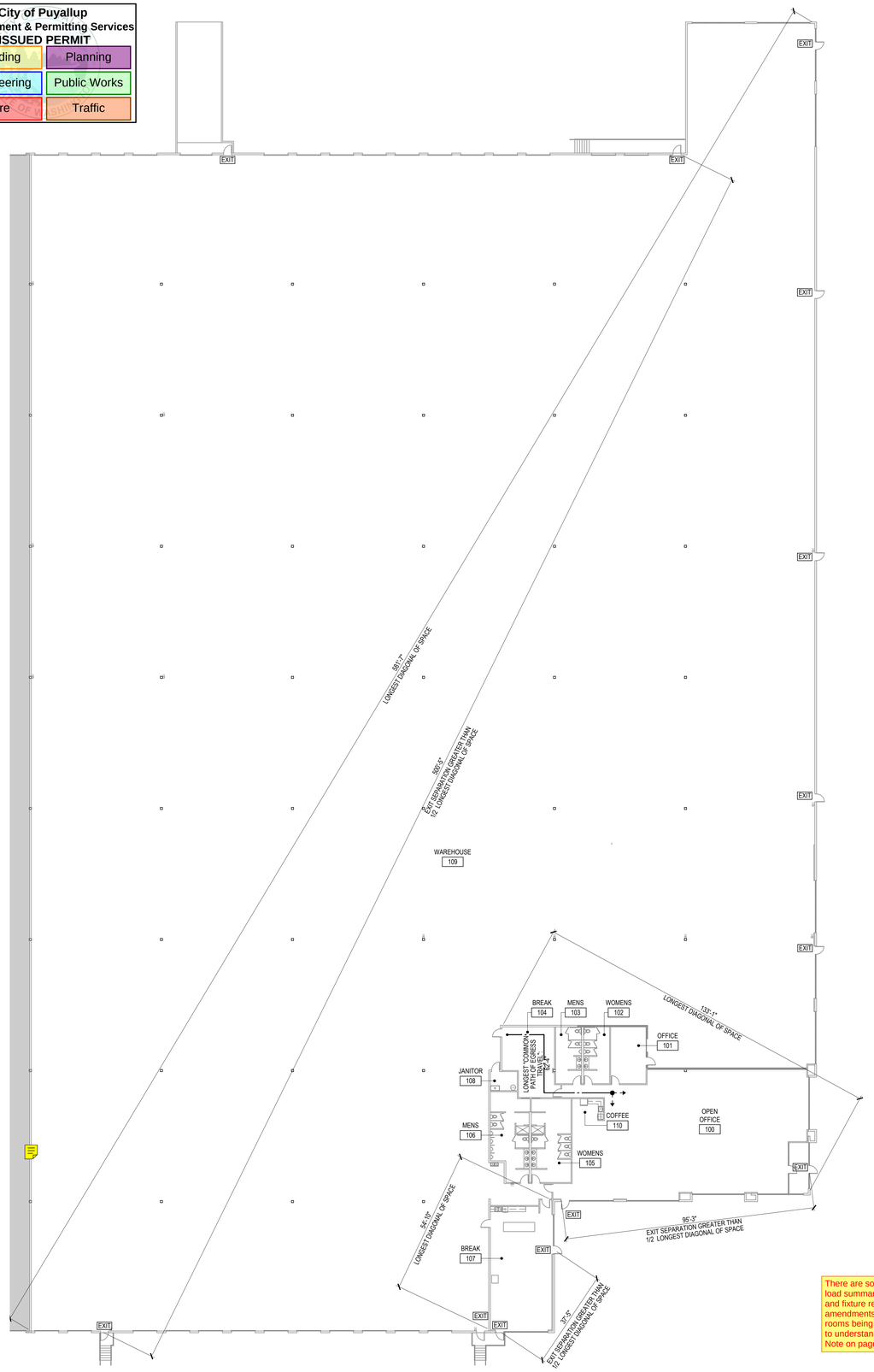
PROJECT NOTES

Original drawing is 30" x 42". Scale entities accordingly if reduced

GI002

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



R SUITE CODE SUMMARY PLAN
1" = 20'-0"

PROJECT NORTH
NORTH

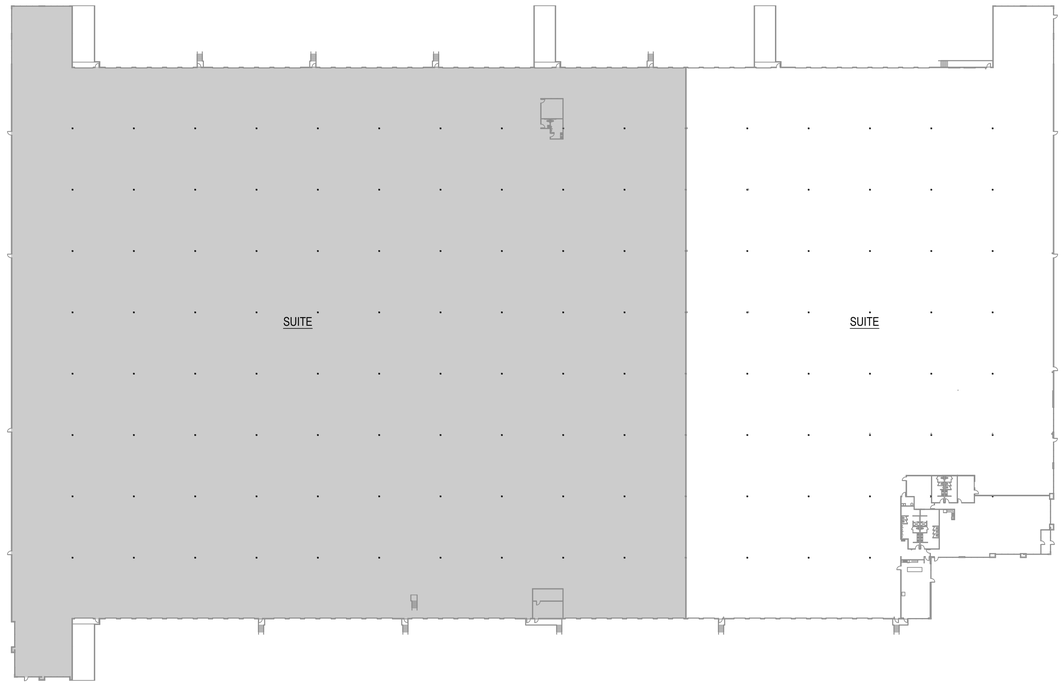
EXISTING:
WAREHOUSE: 116,613SF
OFFICE: 15,887 SF
TOTAL SF: 132,500 SF

-11.9% OF OFFICE

PROPOSED:
WAREHOUSE: 124,035 SF
OFFICE: 8,465 SF
TOTAL SF: 132,500 SF

-6.3% OFFICE

**SO, BOTH PROPOSED AND EXISTING HAVE THE SAME OCCUPANCIES (OFFICE AND STORAGE), SO THERE IS NO CHANGE OF USE. THE OFFICE IS DECREASING IN SIZE AND THEREFORE OCCUPANT LOAD HAS ALSO DECREASED.



J BUILDING CODE SUMMARY PLAN
1" = 50'-0"

PROJECT NORTH
NORTH

There are some discrepancies between the fixture and occupant load summaries in occupancy classifications and occupant loads and fixture requirements do not appear to be per the WA.ST. amendments in chapter 29 of the 2018 IBC. Are the break rooms being used just a break rooms or other uses. Just trying to understand the A-2 & A-3 classifications.
Note on page G1003 of plans.

CODE SUMMARY

GROUP B (BUSINESS)
TOTAL OCCUPANT LOAD — **TOTAL 396**

B GROUP - SMALL ASSEMBLY — TOTAL **110.61**

ROOM NUMBER	ROOM NAME	GROUP	SPACE USE	AREA (SQ FT)	MAX. OLF (SF/PERSON)	OCCUPANT LOAD (OL)
104	BREAK	B	2	487.30	15	32.49
107	BREAKROOM	A-2	2	1,096.50	15	73.10
110	COFFEE	B	3	75.40	15	5.03
	SUB-TOTAL			1,659.20		110.61

B GROUP — TOTAL **38.25**

ROOM NUMBER	ROOM NAME	GROUP	SPACE USE	AREA (SQ FT)	MAX. OLF (SF/PERSON)	OCCUPANT LOAD (OL)
100	OPEN OFFICE	B	1	4158.50	150	27.72
101	OFFICE	B	1	293.10	150	1.95
102	WOMENS	B	1	200.50	150	1.34
103	MENS	B	1	202.10	150	1.35
105	WOMENS	B	1	459.20	150	3.06
106	MENS	B	1	424.80	150	2.83
	SUB-TOTAL			5,738.20		38.25

STORAGE — TOTAL **247.13**

ROOM NUMBER	ROOM NAME	GROUP	SPACE USE	AREA (SQ FT)	MAX. OLF (SF/PERSON)	OCCUPANT LOAD (OL)
108	JANITOR	S-1	7	75.00	300	0.25
109	WAREHOUSE	S-1	13	123439.60	500	246.88
	SUB-TOTAL			123,514.60		247.13
	TOTAL			**130,912.00**		**396.00**

NOTES
- PROJECT PRIMARY CLASSIFICATION GROUP B WITH ACCESSORY USE OF SPACE LISTED UNDER "SPACE FUNCTION" COLUMN, UON
- OLF - OCCUPANCY LOAD FACTOR (FLOOR AREA IN SF PER PERSON)
- SPACE FUNCTION DESIGNATION AND OCCUPANT LOAD FACTORS

CODE	DESCRIPTION	OLF
1	OFFICE	150
2	SMALL ASSEMBLY SPACE FOR EXTERNAL USE (NET)	15
3	SMALL ASSEMBLY SPACE FOR INTERNAL USE	15
7	STORAGE/MEP	300
13	WAREHOUSE	500

EGRESS REQUIREMENT - SPRINKLERED - NON QUICK RESPONSE

	REQUIRED	PROVIDED
NUMBER OF EXITS PER STORY	2	13
SEPARATION DISTANCE OF EXITS (FEET)	291.00'	500

NOTES
- PER 2018 IBC SECTIONS 1006, 1017, 1020, TABLES 1006.2.1, 1006.3.2, 1017.2, 1020.2

MIN. EGRESS WIDTH REQUIRED	44 INCHES
MAX. NON-QUICK RESPONSE COMMON PATH TRAVEL DISTANCE TO EXIT ACCESS	75 FEET
MAX. NON-QUICK RESPONSE SPRINKLERED EXIT ACCESS TRAVEL DISTANCE	200 FEET
MAX. NON-QUICK RESPONSE SPRINKLERED DEAD-END CORRIDOR DISTANCE	25 FEET

- TABLE 1006.2.1, SPACE WITH OCCUPANT LOAD LESS OR EQUAL TO 30,

MAX. NON-QUICK RESPONSE SPRINKLERED COMMON PATH TRAVEL DISTANCE TO EXIT ACCESS	100 FEET
NUMBER OF EXIT REQUIRED	1

- FIRE EXTINGUISHER COVERAGE DISTANCE — 75 FEET

PLUMBING FIXTURES REQUIREMENT

TOTAL ROUNDED OCCUPANT LOAD A-3 SPACE USE	111	PER GENER	56
TOTAL ROUNDED OCCUPANT LOAD GROUP B SPACE USE	39	PER GENER	20
TOTAL ROUNDED OCCUPANT LOAD GROUP S SPACE USE	248	PER GENER	124

	REQUIRED							PROVIDED
	A-2	A-3	GROUP B	GROUP F	GROUP M	GROUP S	ROUNDED TOTAL	
WC								
MALE	0.00	0.44	0.78	0.00	0.00	1.24	3	10
FEMALE	0.00	0.85	0.78	0.00	0.00	1.24	3	7
LAVATORY								
MALE	0.00	0.28	0.49	0.00	0.00	1.24	3	5
FEMALE	0.00	0.28	0.49	0.00	0.00	1.24	3	5
WATER FOUNTAINS								
ADA FOUNTAIN							1	1
SERVICE SINK							1	1

NOTES
- PER 2018 IBC TABLE 2902.1

	MALE	FEMALE	MALE	FEMALE	DRINKING FOUNTAIN
A-2	1/75	1/75	1/200	1/200	1/500
A-3	1/125	1/65	1/200	1/200	1/500
GROUP B	FIRST 50: 1/25; EXCEEDING 50: 1/50		FIRST 80: 1/40; EXCEEDING 80: 1/80		1/100
GROUP S	1/100		1/100		1/400

- PER 2018 IPC 410.3 EXCEPTION 1 - A SINGLE DRINKING FOUNTAIN WITH TWO (2) SEPARATE SPOUTS THAT COMPLIES WITH THE REQUIREMENTS FOR PEOPLE WHO USE A WHEELCHAIR AND STANDING PERSONS SHALL BE PERMITTED TO BE SUBSTITUTED FOR TWO SEPARATE DRINKING FOUNTAINS
- PER 2018 IPC 410.4 SUBSTITUTION - IN OTHER OCCUPANCIES WHERE DRINKING FOUNTAINS ARE REQUIRED, WATER DISPENSERS SHALL BE PERMITTED TO BE SUBSTITUED FOR NOT MORE THAN 50 PERCENT OF THE REQUIRED NUMBER OF DRINKING FOUNTAINS

EGRESS LEGEND

- COMMON PATH OF TRAVEL
- EXIT ACCESS PATH OF TRAVEL
- DIRECTION OF TRAVEL / POINT OF COMMON PATH / POINT OF ORIGIN
- EXIT — EXIT ACCESS/ EXIT DISCHARGE
- LIGHTED EXIT SIGN (REFER TO RCP)
- FEC — FIRE EXTINGUISHER CABINET

WA. ST. does not adopt the IPC so these code references would be incorrect. Note on page G1003.

BURGESS DESIGN
INTERIORS - ARCHITECTURE
1200 5th Ave Suite 400 Seattle WA | 206.587.7120

Tenant:
PROLOGIS PUYALLUP 1
MAKE READY
PUYALLUP 1
1601 INDUSTRIAL PARK #100
PUYALLUP, WA 98371

Professional seal
6709 REGISTERED ARCHITECT
BRADLEY ROBERT SMITH
STATE OF WASHINGTON

No.	Issue Description	Date
	REVIEW SET	01.06.23
	REVIEW SET	01.30.23
	REVIEW SET	02.17.23
	REVIEW SET	02.27.23
	PERMIT SET	03.10.23

City Electronic Stamp Location

CLIENT APPROVAL DATE

City Electronic Stamp Location

Drawn by: MK Project Manager: SH
Project No: 22.0243.00

CODE SUMMARY

Original drawing is 30" x 42". Scale entities accordingly if reduced

GI003

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

NORTHWEST

DIVISION 1	GENERAL REQUIREMENTS
1.1	CODES: All construction shall comply with local, state and federal codes and regulations, including all ADA standards.
1.1A	PERMITS: Owner shall reimburse contractor for the cost of the building permit and any impact fees. Contractor shall be responsible for all trade permits and business licenses
1.2	**INSURANCE: MUST CONFORM WITH Prologis RISK MANAGEMENT REQUIREMENTS**
1.3	BUILDERS RISK INSURANCE: Owner shall provide builders risk insurance to cover the full value of the work being performed
1.4	JOBSITE CONDITIONS: All contractors must verify existing job conditions prior to bid.
1.5	DOCUMENT CONFLICTS: If there is a conflict in the drawings, or between the written specs and the drawings, the contractor shall be responsible for the more expensive of the options.
1.6	CLOSE-OUT DOCUMENTS: Provide O & M manuals and "as-built" drawings for all architectural, structural, plumbing, electrical, HVAC and fire protection work on two (2) flash drives in pdf format. Provide one (1) hard copy and one electronic copy in pdf format of the stamped permit set of drawings. The value of the close-out documents shall be 10% of the value of the respective work.
1.7	EXISTING STRUCTURE: Nothing may be suspended from the 2x4 or 2x6 sub-purlins at the roof without the structural engineer's written permission except for warehouse lighting fixtures specified below.
1.8	EXISTING CONDITIONS: These finish standards shall be modified to match existing conditions with written approval from the Prologis Project / Property Manager
1.9	FLOOR MAINTENANCE: No vehicles except scissor lifts shall be allowed inside the building during construction without written permission from the owner. All scissor lifts shall have non-marking tires and must be diapered to prevent marking and staining of the concrete floor.
1.10	SUPERVISION: The general contractor shall provide a highly experienced jobsite superintendent, acceptable to the owner, to manage all the work during the course of construction.
1.11	SAFETY: Contractor shall be green flagged in Avetta system prior to beginning any work
1.12	WARRANTIES: Contractor shall provide a one year labor and material warranty from project completion on all work performed.

DIVISION 3	CONCRETE
3.1	PATCHING: Any removal and replacement of the concrete slab shall meet the requirements of the existing slab. Do not overcut corners when cutting the floor in warehouse areas. Use care when removing concrete to avoid damage to adjacent slabs to remain. Backfill and subgrade shall be compacted to 95% of maximum dry density determined in accordance with ASTM D-1557. Dowel the new concrete patch to the existing slab with 1/2" steel dowels, extending a minimum of 8" into slab at 18" o.c., secured with epoxy. Install two (2) #4 rebar horizontally in all plumbing trenches. Use 4,000 p.s.i. (at 28 days) concrete for the pour back. All trench patching in the warehouse area shall have a 1/8 inch radius edge and apply new concrete seal. Prior to pouring concrete, stone the existing sawcut edge with an abrasive brick to approximate a 1/8 inch radius edge. Install vapor barrier if there is existing vapor barrier. Sawcut control joints in new concrete to match existing, and install joint filler to match existing (Metzger McGuire MM80 or equivalent)
3.2	BOLT HOLE AND SLAB CRACK REPAIR: All the top of the floor. Utilize a 2- part epoxy to fill the hole and over-apply to the slab surface. Scrape off the excess material once it is dry. Acceptable material: Metzger McGuire MM-80 semi-rigid 2-part epoxy material, or equal. For crack repair: Repair Procedure: • Chip out spalls to reveal fresh concrete and clean repair area thoroughly. • Repair areas to be at least ½" deep and ½" wide (on either side of control joint), with vertical repair edges, no feathering! • You'll need to fill any deep cracks with sand to provide a backer rod underneath the patching material so it doesn't sink down below grade after you pour the concrete in. Leave ½" – ¾" above sand to be filled with epoxy. Epoxy to be poured so that it's supported directly by firm concrete, with no sand. • Fill area with the 2 part epoxy. Epoxy to be slightly higher than the top of the floor and allow to cure • Sand down the patches so they're smooth and flush with the floor. • When repairing the floor at a warehouse floor joint, it's critical that relief cuts are installed to prevent repair failure.

DIVISION 4	MASONRY
4.1	MASONRY WALLS: NIC

DIVISION 5	METALS
5.1	BOLLARDS: Furnish and install two (2) 6" diameter, concrete filled, thin wall steel, pipe bollards extending 4'-0" A.F.F., set in 3'-0" of concrete at each grouping of electrical transformers and panels and at all sprinkler risers in all warehouse areas and other locations exposed to vehicular traffic. Paint new and existing bollards OSHA "Caution Yellow". Surface mounted bolt down bollards may be acceptable at low traffic areas (verify with Prologis Project / Property Manager). Surface mounted bollards shall be 4" diameter 4'-0" A.F.F. with a one foot square base plate and expansion anchored to the concrete floor with four (4) each ½" expansion anchors.
5.2	Framing for roof penetrations and supports for all rooftop equipment must be reviewed, approved and stamped by a structural engineer. See 15.3.6.
5.3	EXTERIOR METAL STAIRS: Match existing stairs

DIVISION 6	WOOD AND PLASTICS
6.1	CABINETS: Furnish and install a coffee bar and / or lunch room base cabinet. The base cabinet(s) shall be plastic laminate by Wilsonart or approved equal in the manufacturer's standard color on all exposed horizontal and vertical surfaces, including open cabinet interiors, unless otherwise noted. Semi-exposed cabinet interiors and shelves shall be white melamine with .5mm PVC edge binding. Drawers shall be Grass 6036 Zargen System slides or approved equal. The hardware shall be 96mm wire pulls, 125deg. Blum concealed hinges or approved equal. The cabinet(s) shall be 6'-0" long minimum and 34" high. Each cabinet shall have one row of drawers over doors. The maximum depth for cabinet and countertop should be 24". If the toe-kick is integrated with the cabinet doors to meet the ADA requirements, use stainless steel toe-kicks for those doors.
6.2	COUNTERTOPS: The countertops shall be plastic laminate by Wilsonart or approved equal. The coffee bar tops shall have a 2" bull nosed front edge and top edge with a 4" splash and a radius inside and outside corner at the backsplash. For SF Bay Area Market, install a solid surface countertop per finish spec provided by Prologis personnel.
6.3	LAVATORY COUNTERTOPS: All office toilet rooms with multiple lavatories shall have vanities. The lavatories shall be installed in a plastic laminated countertop with 2" bull nosed front edge, a 4" backsplash and a radius inside and outside corner at the backsplash. Single accommodation toilet rooms and multiple accommodations toilet rooms serving the warehouse shall receive wall mounted lavatories. For SF Bay Area Market, install a solid surface countertop per finish spec provided by Prologis personnel.
6.4	MILLWORK QUALITY: Architectural millwork and cabinetry shall be of a construction quality equal to that of the Architectural Woodwork Institute's (AWI) custom grade for flush overlay construction. MDF products shall be made with binder containing no urea-formaldehyde. Wood glues used for fastening shall have a VOC content of 30 g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24). Multipurpose construction adhesives shall have a VOC content of 70 g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24). Contact adhesives shall have a VOC content of 250 g/L or less when calculated according to 40 CFR 59, Subpart D(EPA Method 24)
6.5	MILLWORK ADA STANDARDS: All Millwork must meet ADA standard as required by governing agency. Millwork must pass review to properly close out the project.
6.6	BLOCKING: Blocking is to be provided as required for installation of wall mounted items and is to meet requirements of IBC 603.1.

DIVISION 7	THERMAL AND MOISTURE PROTECTION
7.1	ROOF INSULATION: The roof insulation above conditioned area ceilings shall be R-19 (or as required by the energy compliance calculation), unfaced fiberglass batts, wire-tied in place as manufactured by Owens-Corning or equal. Attach the vapor barrier (foil) to the sub-purlin where required by code or Prologis Managers. For the office where perimeter office walls do not extend to the roof deck, lay insulation on top of the ceiling tiles if code allows.
7.2	CEILING INSULATION: Where permitted by code furnish and install R-19 (or as required by the energy compliance calculation), unfaced fiberglass batt insulation on top of the suspended acoustical ceiling at conditioned spaces.
7.3	THERMAL WALL INSULATION: Furnish and install R-13 (or as required by the energy compliance calculation) unfaced fiberglass batt insulation from floor to roof in walls between conditioned and unconditioned spaces. Furnish and install R-13 at all furred exterior concrete wall at conditioned spaces. Provide a vapor barrier where required by code. For Seattle market, install R-10 rigid insulation from floor to roof in walls between conditioned and unconditioned spaces.
7.4	ACOUSTIC INSULATION: Furnish and install 3 1/2" unfaced fiberglass batt acoustic insulation in all toilet and shower room walls and ceilings, and demising wall at office area. The batt insulation at office demising wall should go the full height of the wall.
7.5	INSULATION FACING: All exposed fiberglass batt insulation shall have a white PSK-25 or approved equivalent facing.
7.6	SKYLIGHTS: Existing skylights in conditioned areas shall be sealed if they are vented.
7.7	ROOFING: The contractor shall use a roofing contractor certified to install the existing roofing material for patching of all roof penetrations. Prior to the work, contractor should verify with Prologis manager for the qualified roofers. The new roof penetrations shall be made in accordance with the roofing manufacturer's recommendations, such that the existing roofing warranty is maintained. The patch shall also meet all of the requirements stated in the building shell specifications. On built-up roofs, pipe and conduit penetrations at the roof shall receive galvanized pipe flashing with screw clamp and elastomeric sealant and shall also be hot asphalt patched with 4 ply.
7.8	ARCHITECTURAL SHEETMETAL: Furnish and install sheet metal cap flashing on top of any roof mounted wood sleepers approved by owner.
7.9	FIRE SAFING: Penetrations at one hour walls shall be fire safed or caulked.

DIVISION 8	DOORS AND WINDOWS
8.1	INTERIOR DOORS AND FRAMES: Furnish and install 3'-0" x 7'-0" x 1-3/4", solid core, birch, B-3 stain prefinished doors in "Timely" prefinished black steel frames (clear anodized aluminum frames by ACI, Eclipse or approved equal in the San Francisco Bay Area), with 1-1/2" pairs of Hager BB1279 butts per door U.O.N. (All office door shall receive a 2'-0" sidelight in the San Francisco Bay and Seattle Areas). Doors receiving closers shall receive ball-bearing butts. Doors and frames shall be 20 minutes rated where required. When working in an existing tenant space, the new doors and frames shall match the existing doors and frames U.O.N. Use metal frame for door backing, wood is not allowed.
8.2	NEW EXTERIOR DOORS/FRAMES: 20 gauge, full flush, 1-3/4" thick hollow metal with fibrous honeycomb core or steel stiffened hollow metal. Install overhead rain drip flashing and weather stripping on new hollow metal doors. Frame: 18 gauge with 2" faces and 5/8" stops formed internal corners mitered, welded and ground smooth.
8.3	INTERIOR DOOR HARDWARE: Furnish and install Schlage AL10S Saturn passage hardware on all doors except single accommodation toilet rooms which shall receive Schlage AL40S privacy locks. The door hardware shall have a brushed chrome 626 finish U.O.N. Furnish and install weather-stripping, closers, and drop seals at doors between conditioned and non-conditioned areas. Furnish and install closers on all toilet and shower room doors. The closer shall be installed on the toilet room or warehouse side of the door. When working in an existing tenant space, the new door hardware shall match the existing door hardware U.O.N.
8.4	EXTERIOR DOOR HARDWARE: Match the existing building hardware. Include door closers, mail slots, and latch guards on all new doors.
8.5	KEYS: Owner shall rekey all locking hardware
8.6	DOOR SIGNAGE Include all signage per code (Handicap, Exit, etc.)
8.7	OVERHEAD DOORS: Match the existing building overhead doors and door insulation. If no O.H. doors exist, use insulated Overhead Door Company or equal with 3" track 20 gauge door vertical reinforced bottom rail, with step plate flush panel sectional. Sawcut at exterior concrete panels must be certified by a licensed structural engineer. No overcuts will be allowed. Protect new overhead door tracks with "Zee Guards": 3/8" thick bent plate, 4 feet long, bolted to the tilt-up wall panel to protect all dock overhead door tracks
8.8	INTERIOR WINDOW FRAMES/GLASS: Interior windows shall be 1/4" clear tempered glass set in black "Timely" frames (or anodized aluminum frames in the S.F. Bay Area) to match the interior door frames. Glazing height shall match door height, UON; width shall be as indicated on plans.
8.9	MIRRORS: Furnish and install 4' high x 1/4" thick plate glass mirrors with two coats silver and electroplated copper backing, and wiped edges at all lavatory vanities. The mirror shall be the length of the lavatory top set directly on top of the splash and extending to the underside of the light shelf. If wall mounted lavatories are used, the mirror shall be a Bobrick 2436.
8.1	EXTERIOR GLASS: The glass in new storefront doors and "in-filled" truck door openings shall match the existing building glass. If the building glass is a long lead item, install gray vision glass (tempered if necessary) for temporary use until building standard glass is available.
8.11	WINDOW MULLIONS: Where interior drywall partitions meet the exterior window wall, furnish and install aluminum "false" mullions finished to match the existing exterior storefront.

DIVISION 9	FINISHES
9.1	FIRE RATED WALLS: All Rated walls and partitions to meet UL U419 listed standards or equal. Metal studs with one layer of 5/8" type "X" gypsum board on each side from the floor to the roof deck. The stud size and spacing shall be per the stud manufacturer's tables and local code requirements. Install fire safing between the gypsum board and roof deck U.O.N. Provide proper UL listed head joint detail when required by code. Penetrations at one hour walls shall be fire safed or caulked per UL listings.
9.2	FULL HEIGHT DRYWALL PARTITIONS (including tenant demising walls): Metal studs with one layer of 5/8" type "X" gypsum board on each side from the floor to the roof deck with top slip track. The stud size and spacing shall be per the stud manufacturer's tables and local code requirements. Drywall installed above an acoustical ceiling shall be firetaped and screws spotted
9.3	OFFICE DRYWALL PARTITIONS: All partitions in areas with ceilings shall be undergrid 3-5/8" or 3-1/2" x 25 GA. metal studs at 24" o.c. with 5/8" fire code type "X" gypsum board on each side. The ceiling grid shall be installed first with walls built to the grid. The intersection of the wall at the grid shall be snug and flush. Install "L" metal trim at the top of the wall. Toilet room perimeter walls shall be built to 6" above grid. Furr perimeter concrete walls and interior columns in office areas to 6" above the grid.
9.4	OFFICE/TOILET RM. WALL/CEILING FINISH: All office drywall shall receive a light skip trowel textured wall finish. Denver, Salt Lake City, Portland and Seattle area projects shall receive a smooth finish. The skip trowel texture shall be the size of a quarter dollar coin. The finish shall be mocked-up on a 4'x4' piece of drywall on the jobsite for the owner's approval prior to final application. The toilet and shower room walls and ceilings shall have a smooth finish and drywall ceiling installed at 8'-0" A.F.F. U.O.N.
9.5	WAREHOUSE GYPSUM BOARD WALL FINISH: All drywall in the warehouse shall be fire taped only unless otherwise noted. Spot screws in firetaped areas
9.6	END CAPS: Where a partition meets a window mullion, furnish and install an aluminum "wall end cap" finished to match the storefront U.O.N. Install rigid 2" x 2" black foam between end cap and storefront glass if end cap does not intersect vertical mullion.
9.7	WAINSCOT: Toilet room walls shall have 4' high white FRP or plastic laminated wainscot set 6" A.F.F. U.O.N. Walls behind mop sinks, drinking fountain and laundry sinks shall receive a 4' x 4' wainscot along each side of the sink in contact with the wall. All wet walls shall receive water resistant drywall (greenboard). Walls in showers shall receive cement board backer.
9.8	ACOUSTIC CEILING TILE: Furnish and install 24" x 48" x 5/8" USG Omni non-directional fissured tile or equal, installed at 9'-0" A.F.F., U.O.N. in all office areas except toilet and shower rooms. Use second-look ceiling tile in Seattle market.
9.9	ACOUSTIC CEILING TILE SUSPENSION SYSTEM: Furnish and install Class "A" 15/16" exposed "T" grid system, intermediate duty (heavy duty in seismic design category "D" areas) with 1-1/2" main tees, 1-1/2" cross tees, and 7/8" x 7/8" wall mold as manufactured by Donn or equal per code. Fire rated grid and tile shall be used where code requires. The grid color shall be white to match the tile exactly.
9.10	CARPET: Carpeting shall be Designweave, Shaw (such as Lynchburg 26 series) or approved equal, loop graphic, solution dyed 100% nylon, 26 oz. per square yard average yarn weight minimum, 1/10th gauge, color to be selected from manufacturer's standard colors U.O.N. Carpet shall be direct glue down U.O.N. Verify with Prologis Manager for final finish selection. In Seattle Area: Install walk-off mat at all doors from office to either exterior of the building or warehouse. The walk-off mat should be at least 4' wide or the width of the hallway by 3' deep. The product should be Connexus Super No 52 in either roll good or modular tile or equal.
9.11	CARPET BORDERS: Carpet insets or borders when specified as a customer upgrade shall be mitered at the corners.
9.12	CARPET PAD: Only when specified by the customer as an upgrade, shall be a minimum 3/8" thick, 8lb. dense rebound or slab rubber pad.
9.13	VINYL COMPOSITION TILE: Furnish and install 1/8" gauge, standard grade, VCT as manufactured by Tarkett, Azrock, or Armstrong. Install VCT in server rooms and IT closets. No VCT shall be installed in toilet rooms. Verify with Prologis Manager for final finish selection.
9.14	RUBBER BASE: All areas receiving floor covering and new walls except the toilet rooms shall have 4" high topset rubber base as manufactured by Burke, Roppe, or Tarkett in a standard color. Install the rubber base on a continuously roll, not sectional. Verify with Prologis Manager for final finish selection.
9.15	SHEET VINYL: New toilet rooms shall receive sheet vinyl flooring with a 6" integral flashed cove base with brushed aluminum trim on the top edge. All joints shall be heat welded and receive seam sealer. The sheet vinyl shall be Corlon or Mannington Magna. not available, need to specify later installed in all new toilet rooms. Verify with Prologis Manager for final finish selection.
9.16	TRANSITION STRIPS: Furnish and install black vinyl transition strips at all changes in flooring material U.O.N.
9.17	CERAMIC TILE: (Central Valley area only)
	RESTROOMS: Use 2x2 American Olean ceramic tile or equal slip resistant on floors and 4x4 ceramic tile on walls as noted on plans.
	ENTRANCES: When specified on plans, 8"x8" American Olean ceramic tile or equal.
	GROUT: color to be selected from manufacturer's standard colors. The tile floor shall be cleaned after installation to remove excess mortar and grout. The grout shall be sealed per manufacturer's recommendations. Verify with Prologis Manager for final finish selection.
9.18	CONCRETE FLOOR SEALER: All concrete floor patches shall be resealed to match the existing concrete floor sealer / hardener in warehouse areas.
9.19	PAINT: On walls receiving a skip troweled finish, apply one (1) coat of interior satin latex paint, Sherwin Williams or equal in a standard light color. Lunch / break rooms, toilet and shower rooms and the wall at the coffee bar shall receive one (1) coat of latex semi-gloss enamel over one (1) coat of PVA sealer. Smooth finished walls shall receive two coats of eggshell latex paint. Paint the warehouse demising wall(s) and warehouse side of the office walls one (1) coat of interior flat latex paint if required. Verify with Prologis Manager for final finish selection. All exposed warehouse columns 18'-0" or taller shall be painted OSHA yellow to 12'-0" from A.F.F.. The remainder of the column above 12'-0" to the roof shall be painted white.
9.20	PAINT – REPAINT INTERIOR: When re-painting in an occupied area, utilize zero VOC paint in the appropriate finish. Adhere to all surface preparation and application requirement per manufacturer's product specification data. Standard of quality shall be PPG Industries zero VOC product offering such as PPG/Pittsburgh Paints Pure Performance Line.
9.21	STAIN – NEW INTERIOR: Provide one (1) coat of stain, one (1) coat of sealer, and two (2) coats of polyurethane satin finish for all interior wood doors. Adhere to all surface preparation and application requirements per manufacturer's product specification data. Standard of quality shall be PPG/Porter Paints professional best product offering such as Porter Paints Wood Guardian or Pittsburgh Paints Rez Line.
9.22	WALLCOVERING: NIC
9.23	PAINT – EXTERIOR: The exterior of the office/warehouse wall shall be painted with exterior acrylic flat white paint. Adhere to all surface preparation and application requirements per manufacturer's product specification data. Standard of quality shall be PPG/Porter Paints professional best product offering such as Porter Paints Acri Pro 100 or Pittsburgh Paints Speedhide.
9.24	PAINTING - DOCK EQUIPMENT - Paint dock levelers, latex enamel semi-gloss Iron Ore SW 7069 with pit angle painted safety yellow.
9.25	WAREHOUSE FLOOR STRIPING: Installed with the intent of future removal. Grinding and/or shot blasting is NOT an acceptable method of floor preparation for striping. Use a modified epoxy paint similar or equal to International Interguard safety yellow; substitutions to be pre-approved by Prologis. Striping to be removed using Smart Strip.
9.26	BATTERY CHARGER FLOOR COATING (Epoxy): All new battery charging areas are to receive approximately 70 square feet of epoxy coating per battery charger. In the areas to receive epoxy coating, mechanically abrade the surface to clean and prepare the concrete for installation of new epoxy coating or by manufacturers recommendation. Apply one coat of General Polymers 3579 100% solids epoxy primer Apply two coats of General Polymers 3741 100% solids Novalac finish. General Polymers is the industrial floor division of Sherwin Williams.

DIVISION 10	SPECIALTIES
10.1	NAPKIN DISPOSALS: Bobrick B-270 sanitary napkin disposals in each women's toilet stall U.O.N.
	PAPER TOWEL DISPENSER: Bobrick B-369 (for single accommodation toilet rooms) or a Bobrick B-3944 (for multiple accommodation toilet rooms) recessed paper towel dispenser with a waste receptacle U.O.N.
	SEAT COVER DISPENSER: Bobrick B-221 seat cover dispenser in each toilet stall.
	TOILET PAPER HOLDER: Bobrick B-686 double toilet paper holder.
	GRAB BARS: Bobrick No. B6806-36 and B6806-42 stainless steel per ADA.
	WASTE RECEPTACLE: Bobrick #B-3644
	FRAMED MIRROR: Bobrick #B165-3436
	ACCESSORY INSTALLATION: Contractor is responsible for all blocking and framing requirements, as well as any additional requirements for powered accessories.
10.2	TOILET PARTITIONS: Furnish and install metal, floor mounted, toilet partitions with a baked enamel finish by Global Steel, Knickerbocker or equal in manufacturers standard "quick ship" color. Project Manager may substitute plastic laminated partitions pending approval of specifications.
10.3	SIGNAGE: Furnish and install all handicap and exit signage as required by code.

DIVISION 11	DOCK EQUIPMENT
11.1	MANUFACTURER: All dock equipment when required by the customer as an upgrade shall be Arbon, Kelly / Serco, Nordock or Powerramp.
11.2	LEVELER PIT: All exposed edges of the dock leveler pit shall be protected with steel corner angles. The existing steel angle or channel at the face of the existing dock shall be replaced with new steel integrally tied to the new pit. Do not overcut the corners when sawcutting the concrete slab for the new pit. On the exterior wall, all edges must have a clean ¾" chamfer, accomplished by grinding or sawcutting the existing concrete with a ¾" chamfer and pouring the new concrete with a ¾" chamfer.
11.3	DOCK LEVELERS: Mechanical 6' x 8' 35,000 lb. capacity Arbon, Kelly / Serco, Nordock or Powerramp with recessed pit per manufacturer's detail.
11.4	EDGE OF DOCK LEVELERS: 72" wide x 3,000 lb. capacity Arbon, Kelly / Serco, Nordock or Powerramp. The EOD must be mounted per manufacturer's instructions and must be installed with a transition plate extending 12"minimum into the building if there is no existing steel channel in the dock. Sawcut transition plate into the concrete floor at the leading edge .
11.5	DOCK SEALS: Rite-Hite PLATP793 (or approved equal) with 22 oz. black vinyl base fabric and 40 oz. vinyl wear pleats with an 8" exposure. The projection shall be 10" standard or 21" at E.O.D.'s including wood block outs.
11.6	DOCK SHELTERS: Rite Hite PLLE524 dock shelters (or approved equal). The fabric shall be 40 oz black hypalon. The projection shall be 24" standard and 36" at E.O.D.'s.
11.7	DOCK LIGHTS: Adjustable dock loading light with 40" extension.
11.8	DOCK BUMPERS: Serco or Rite Hite 24" Model B410-24 (or approved equal). Anchor to embed dock angle and anchor bolt per manufacturer recommendations.

DIVISION 12	FURNISHINGS
12.1	BLINDS: All exterior windows, including exterior warehouse windows and windows above any acoustic ceilings, shall receive mini-blinds by Bali "Classic" or approved equal, with a valance, in a color to match the storefront aluminum color U.O.N. The blinds shall be "inside mounted" (between the vertical window mullions) flush with the inside face of the mullion. Storefront doors and any interior windows shall not receive blinds. Install blinds at all door sidelights.

DIVISION 15	PLUMBING
15.1.1	DESIGN BUILD: Unless engineered plumbing system drawings are included in the bid documents, the plumbing work shall be performed on a design-build basis. The design-build plumbing contractor shall furnish and install a complete and operative plumbing system to meet all local and state codes.
15.1.2	PLANS: Provide plumbing plans for architect's and owner's review and approval.
15.1.2.A	
15.1.3	SEWER LINES: Sewer, soil and waste lines within the building below the finished floor elevation shall be schedule 40 ABS plastic or schedule 40 PVC plastic pipe. Sewer, soil and waste lines within the building above the finished floor elevation shall be standard weight cast iron. ABS piping may be used above the finished floor if permitted by code and approved by the owner. All lines should be at least a 1% grade of gravity flow. Must ensure that tree roots will not interfere with path of the sewer, soil, and waste lines.
15.1.4	GAS LINES: All gas lines shall be run under the roof above the bottom cord of the trusses perpendicular or parallel to the existing roof structure. All new and existing gas lines within a single tenant space shall be connected to a separate gas meter.
15.1.5	PIPE MATERIAL: All pipe materials shall be subject to the requirements of the City and/or governing body. All domestic water, condensate, and smitty pan drain lines must be copper.
15.1.6	PLUMBING FIXTURES AND TRIM:
15.1.6.A	LAVATORY FOR VANITY: American Standard, " Cadet Everclean- Oval Countertop Sink", model 0419.444EC, white, self-rimming or equal with a Delta Model 523 LF HDF or Moen L4601 single lever type faucet assembly with a grid strainer and bright chrome finish. Furnish and install a Handy-Shield Drain Cover #3011 White by Plumberex Specialty Products under each lavatory.
15.1.6.B	WALL-HUNG LAVATORY: American Standard, "Lucerne", model 0355.012, white, wall mounted lavatory or equal with a Delta Model 523 LF HDF single lever type faucet assembly with a grid strainer and bright chrome finish. Furnish and install a Handy-Shield Drain Cover #3011 White by Plumberex Specialty Products under each lavatory.
15.1.6.C	WATER CLOSET: American Standard, " Madera FloWise- Right Height" elongated, flush valve toilet, 17" height, model 3043.001 or approved equal in white, with an Olsonite #95 seat and a Sloan #111 flush valve
15.1.6.D	WATER CLOSET IF WATER SUPPLY IS NOT SUFFICIENT FOR FLUSH VALVE: American Standard 'Cadet' elongated pressure-assisted toilet, Model # 2333.100 (white) with Olsonite #64 SSTL toilet seat (white) for non-handicapped applications.
15.1.6.E	American Standard 'Cadet' Right Height Elongated pressure-assisted toilet, model # 2377.100 (white) with Olsanite # 64 SSTL toilet seat (white) for ADA applications.
15.1.6.F	URINAL: American Standard, "Washbrook FloWise", model 6590.125, or approved equal, white, with a 3/4" top spud . For Portland Area: American Standard, "Washbrook FloWise", model 6590.125, or approved equal, white. American Standard model 6590.125 comes with flush valve
15.1.6.G	COFFEE BAR / LUNCH ROOM SINK: Elkay, model LRAD 1918, stainless steel, with a Delta #100 faucet. If the Lunch Room base cabinet is 8'-0" or longer, use an Elkay model GECR 2521. Furnish and install a Handy-Shield Drain Cover #3011 White by Plumberex Specialty Products under each sink.
15.1.6.H	LAUNDRY TRAY: When specified as a customer upgrade use Fiat Products, Molded-Stone, model FL-1, with 20 gallon capacity, or Florestone Model FM Utility Sink with a Delta model 2123 laundry tub faucet.
15.1.6.I	SHOWER ENCLOSURE: When specified as a customer upgrade use Florestone, wheelchair accessible fiberglass shower stall, 44-52H white with grab bars, seat, mixing valve and shower curtain rod. Outside the shower pan, be sure to slope floor to drain the water to the floor drain.
15.1.6.J	WATER HEATER: The water heater shall be A.O. Smith, State or approved equal sized to meet the demand. It shall be located on the warehouse floor in a smitty pan draining into a hub drain with a trap primer. The location shall be as located by the architect or approved by the owner. All plumbing connections shall be made with dielectric unions. Installing the water heater above the ceiling is not allowed.
15.1.6.K	WATER COOLER: If drinking fountain is specified on the plan use Elkay model EZSTL8LC for the high-low drink fountain. If the local jurisdiction requires the protection for a blind person, use Bobrick model "819298" grab bar; 1 ½" stainless steel. Install two grab bars, one at each end of the fountain.
15.1.6.L	JANITOR'S HAND SINK: Mustee Utilitub Model # 18F – Floor mount, or Model 18W – wall hung, or equal.
15.1.6.M	Janitor's Mop Service Basin: Mustee Model # 62M 24" x 24" x 8 ¼" with Mustee Service Faucet Part No. 63.600A chrome plated brass service sink faucet, ½" pipe eccentric inlets on 8" centers, or equal.
15.1.7	CONDENSATE DRAINS: Furnish and install copper condensate drainage lines with proper venting for all HVAC equipment. The lines shall be no smaller than 3/4" diameter and shall be located under the roof unless prohibited by code. PVC condensate lines may not be used. In Reno, provide evaporator pans set in roof mastic.
15.1.8	SHUT-OFF VALVE: Furnish and install a main water line shut-off valve for the restrooms in the handicapped stall in the men's restroom, not above the ceiling, with an 8" x 8" painted steel access panel. Provide a typed label "Main Water Valve" on the access panel.
15.1.9	MAIN WATER LINE: If a main domestic water line is not existing above the tenant space, furnish and install a 2" diameter copper water line at the roof installed above the bottom cord of the trusses, properly braced to avoid movement. At each future tenant space that the line crosses, install a 2" "T" with 2" gate valve (one valve per storefront door). Extend the water line through the tenant demising wall into the "downstream" adjacent tenant space with a 2" diameter gate valve. Furnish and install a 2" pressure reducing valve with an access panel at the water service entrance when required.
15.1.10	HOSE BIB: Provide one rooftop hose bib if not existing (freeze proof where required). Vendors to drain water after each use.
15.1.11	CLEAN-OUTS: Furnish and install a brass floor clean-out cover at the proper finished elevation as required. If the clean-out is in the warehouse area, furnish and install a cast iron heavy duty traffic rated cover.
15.1.12	FLOOR DRAINS: Provide in toilet rooms where required by code.
15.1.13	INSULATION: Insulate all water piping (except Florida) with 1" insulation. Use 1 ½" insulation for piping in exterior walls.

DIVISION 15	FIRE PROTECTION
15.2.1	DESIGN BUILD: The fire protection work shall be performed on a design-build basis. The design-build fire protection contractor shall furnish and install all modifications to the existing fire sprinkler system to meet all applicable local and state fire code requirements. Sprinkler heads shall be dropped into all suspended ceiling areas. Upgrade of existing system shall conform with a class IV occupancy. In buildings with ESFR systems, maintain the necessary clearances from all obstructions.
15.2.2	PIPE MATERIAL: All fire sprinkler piping shall be standard schedule 10 for 6" piping, and schedule 7 for 4" and 2 ½" piping U.O.N. Schedule 5 pipe may not be used.
15.2.3	STANDARD WALL: Schedule 40 pipe is considered "standard wall" pipe. Schedule 10 pipe is acceptable in size 6-inch or larger provided submittals for Schedule 10 pipe are approved by the Prologis Project Manager. Pipe connections shall be welded or grooved couplings (Victaulic or approved equal). Threadable thin wall pipe shall not be used. Schedule 5 and other thin wall pipes shall not be used.
15.2.4	THIN WALL: Schedule 7 Dyna-flow "lined pipe", or approved equal is acceptable for branch lines less than 6-inches in diameter provided submittals for Schedule 7 Dyna-flow "lined pipe", or equal, are approved by the Prologis Project Manager. Pipe connections shall be welded or grooved couplings (Victaulic or approved equal). Threadable thin wall pipe shall not be used. Schedule 5 and other thin wall pipes shall not be used.
15.2.5	SPRINKLER HEADS: The fire sprinkler heads in areas with ceilings shall be chrome, semi-recessed, with white escutcheons. When "second look" acoustical ceiling tiles are used, sprinkler heads shall be centered on the half tile.
15.2.6	HYDRAULIC TESTING: The contractor shall include the cost of any required hydraulic testing of the fire sprinkler system.
15.2.7	FIRE EXTINGUISHERS: Fire extinguishers shall be furnished and installed per city fire code. Extinguishers may be wall hung.
15.2.8	SYSTEM SHUT DOWN: The building may be equipped with an ESFR fire protection system and booster pump. The pump must be turned off prior to causing any flow in the system. The pump must be turned back on immediately after flow is complete each day. Hoses must be used to drain down the system into the nearest catch basin to avoid staining of concrete, asphalt surfaces, and damage to landscape areas. Contact the Owner's property manager prior to performing any work on the fire system, or deactivating the pump.
15.2.9	In buildings with ESFR systems, maintain the necessary clearances to avoid sprinkler head obstructions. Utilize FM Global Property Loss Prevention Data Sheets 2-2 for guidance.

DIVISION 15	HVAC
15.3.1	DESIGN BUILD: Unless engineered HVAC system drawings are included in the bid documents, the HVAC work shall be performed on a design-build basis. The design shall be based upon ASHRAE standards, local code, and weather data. Calculations shall be provided upon owner request. The design-build HVAC contractor shall furnish and install a complete and operative HVAC system to meet all local and state codes.
15.3.2	PLANS: Provide HVAC plans for architect's and owner's review and approval.
15.3.3	WARRANTY AND SERVICE: All work shall include a one year parts and labor warranty, a five year compressor parts warranty and a 90 day service contract from the date of project completion.
15.3.4	DESIGN TEMPERATURES: The HVAC system shall maintain 75 degrees indoors, on a 100 degree outdoor day or local ASHRAE standards and code requirements, whichever is more stringent.
15.3.5	UNITS: The HVAC units shall be gas/electric, bottom discharge, as manufactured by Carrier, Trane, Lennox, or York. Units shall be installed on a leveled, manufactured curb. All rooftop equipment shall be seismically fastened to the structure. Side discharge units may not be used. Commercial grade heat pumps by Carrier (model 50TCQ), or Trane (model WCD) may only be used in the Las Vegas or Phoenix markets. When heat pumps are used, they must be installed with auxiliary strip heaters and single point wiring kits. Furnish and install economizers on all units larger than five tons and whenever required by the energy code. For Denver and Salt Lake City areas, provide hail guards on rooftop units
15.3.6	UNIT LOCATIONS: HVAC and evaporative cooler units (when used) shall be located on roof, adjacent to a glulam beam or girder, at or near a structural column, set back from building edge to hide them from sight. Framing for roof penetrations and supports for all roof-top equipment must be reviewed, approved, and stamped by a structural engineer.
15.3.7	EVAPORATIVE COOLER: Evaporative coolers when specified as a customer upgrade shall provide a minimum of four air changes per hour U.O.N. The coolers shall be United Metal Products "Slimline" units or approved equals. Provide adequate relief venting to allow all doors within the tenant space to close properly. The cooler plenums shall be located midway between fire sprinkler lines and fire sprinkler heads in buildings with ESFR systems. The plenums, water supply lines and drain lines shall not encroach into the building's clear space U.O.N.
15.3.8	CURBS/SLEEPERS: All mechanical units (HVAC units, evaporative coolers, and relief vents) shall be located on roof and shall be installed with a self-flashing, leveled, factory curb. Furnish and install 4 inch leg cant strips around all curbs. Absolutely no wood or metal sleepers may be used without owner's written permission.
15.3.9	CONTROLS: The HVAC system shall be connected to a 7-day digital programmable thermostat. All thermostats shall be mounted at 48" A.F.F. and shall have an automatic change-over feature. All thermostats that are not digital are to be converted to a digital programmable thermostat during Make Ready and Tenant Improvement projects. If freeze protection only is installed in the warehouse, the thermostat control should be mounted on the on the inside of the unit at the roof top level.
15.3.10	EXHAUST FANS: Furnish and install an exhaust fan in each toilet room and shower room (if applicable). Install a supply air grille or a transfer grille from the toilet, shower, or break room ceiling to the adjacent conditioned space. In multi-fixture restrooms, fans shall be rated at 150 CFM minimum.
15.3.11	DUCTING: All vertical ducting shall be galvanized spiral, insulated with 1-1/2" wrap and vapor barrier. Horizontal runs may be galvanized spiral or duct board. Any exposed duct in a conditioned warehouse area must be galvanized spiral sheet metal. Final connections to the registers shall be made with a minimum 5' soft flex duct for sound attenuation, and a maximum of 8' in length.. All plenums shall be fabricated from insulated galvanized sheet metal of appropriate gauge for low pressure use. Plenums shall extend from the unit to the level of the horizontal branches. No ducting or plenum drops may be installed over warehouse space, unless approved by owner. If the project is a remodel of an existing system, all abandoned ducting shall be removed.
15.3.12	FITTINGS: All wye branch fittings shall have volume dampers with locking quadrant in main and branch ducts. The dampers shall be tagged for easy recognition.
15.3.13	GRILLES: All conditioned areas shall have a supply register and a ducted return register. Transfer grills are not permitted in the office area. Supply and return air registers shall be white baked enamel 2'x2' with a perforated face, flush mounted. Supply air registers shall have a 4-way directional blow. Restroom registers need to be 1'x2' if there are multiple stalls. Restroom registers may be 1'x1' for one toilet bathrooms.
15.3.14	FILTERS: Filters shall be located at the unit, not at the return register. Replace all existing filters after the completion of the construction.
15.3.15	CONDENSATE DRAINS & PIPING: See section 15.1.7.
15.3.16	DUCT SMOKE DETECTORS: Smoke detectors shall be installed in all units 2000 cfm or greater and/or 5 ton or greater, or as required by code.
15.3.17	WAREHOUSE HEATERS: NIC
15.3.18	DRAFT STOPS: NIC

DIVISION 16	ELECTRICAL
16.1	DESIGN BUILD: Unless engineered electrical system drawings are included in the bid documents, the electrical work shall be performed on a design-build basis. The design-build electrical contractor shall furnish and install a complete and operative electrical system to meet all local and state codes.
16.2	PLANS: Provide electrical plans for architect's and owner's review and approval.
16.3	ENERGY CALCS: Provide energy compliance code lighting calculations if required.
16.4	METER SECTION: Furnish and install an electrical meter section "bussed for future" sections if not existing.
16.5	PANELS AND TRANSFORMERS: The locations of the 277/480 volt electrical panel, the transformer, and the 120/208 volt electrical panel shall be approved by the owner. Typically these should be located on the office/warehouse wall adjacent to the toilet rooms. The panels should not be located on a demising wall. The electrical panels and transformer shall be sized to allow for a 25% increase in the number of circuits in the future.
16.6-16.8	REFER TO Prologis LED SPECIFICATION FOR DESIGN, INSTALLATION AND FIXTURE REQUIREMENTS.
	OFFICE LIGHTING: Furnish and install 2'x4' lay-in LED light fixtures with standard acrylic lens, wired to the 277/480 volt panel, average 35 foot candles at 30" A.F.F. or as permitted by code but no less than two (2) fixtures per 10'x12' office. Wire one (1) light fixture near each exterior exit door to provide 24 hour lighting.
	WAREHOUSE LIGHTING: If not included in the building shell, furnish and install LED hi bay fixtures to achieve 25 foot candles (avg) at 30" A.F.F. based on an open floor plan. Fixtures shall have 15' of MC cable and shall be placed to maintain clearances and avoid conflicts relative to ESFR sprinkler systems (generally mid-way between ESFR heads or sprinkler lines). Variations from this layout necessary to accommodate the tenant's racking must meet fire code requirements.
16.9	OUTLET BOXES: All outlet boxes for wall switches, wall receptacles, telephone, etc. shall be galvanized steel or cast type boxes.
16.10	RECEPTACLES: Furnish and install two (2) 110V duplex receptacles and one (1) telephone "ring and string" in each office. Any unused telephone boxes shall receive a blank cover.
16.11	DEDICATED RECEPTACLES: Furnish and install a dedicated 110 volt fourplex outlet at the telephone board and two dedicated 110V outlets at the coffee bar. Provide a dedicated 20 AMP GFI receptacle if within 6' of any sink.
16.12	GFI RECEPTACLES: Provide one GFI electrical outlet in each toilet room and above the break room counter. Install GFI receptacles wherever required by code.
16.13	WAREHOUSE SWITCHING: The warehouse lighting shall be controlled with integral occupancy sensors, or in accordance with local code. Additionally, a manual switch (operating lighting contactors) to turn on lighting in the Speed Bay shall be provided in a location approved by Prologis.
16.14	ELECTRICAL CONDUIT / CONDUCTOR MATERIAL: All conduit shall be EMT or MC cable. All conductors must be copper. ESFR sprinkler heads shall not be obstructed by conduit.
16.15	CONDUIT INSTALLATION: All conduits in areas without ceilings shall be installed at or above the bottoms of the trusses or beams. All conduits shall be run at 90 degrees or parallel to structural members, walls, floors, and ceilings. No conduit may be installed below the slab or on top of the roof without the owner's written permission.
16.16	TELEPHONE CONDUIT: Furnish and install a 2" diameter metal conduit for phone system from the building telephone service entrance to a telephone board within the tenant space. Use PVC where allowable by code. Field verify location of building telephone service entrance. Verify that the conduit does not obstruct ESFR sprinkler heads.
16.17	TELEPHONE BOARD: Furnish and install one, 4'x8'x3/4", APA C-D plugged (paint grade), fire retardant plywood telephone backboard for mounting customer's electrical or telephone equipment. Provide No. 6 copper ground wire unless otherwise required.
16.18	TRIM COLOR: All light switches, outlets, and electrical trim shall be white U.O.N.
16.19	LABELING: Label all panels, control points, switches, and motors as directed. Panels shall be identified by panel number. Switches shall have typed labels indicating the equipment which they control. Typed (circuit) panel directories are to be supplied and installed.
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BURGESS DESIGN
INTERIORS · ARCHITECTURE
1200 5th Ave Suite 400 Seattle WA | 206.587.7120

Tenant:
PROLOGIS PUYALLUP 1
MAKE READY
PUYALLUP 1
1601 INDUSTRIAL PARK #100
PUYALLUP, WA 98371

Professional seal
6709
BRADLEY ROBERT SMITH
Bradley R Smith

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City Electronic Stamp Location

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City Electronic Stamp Location

Drawn by: MK
Project Manager: SH
Project No: 22.0243.00

PROLOGIS CUSTOMER FINISH STANDARDS

Original drawing is 30" x 42". Scale entities accordingly if reduced

GI004

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
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Prologis LED Lighting Specification – Americas

This LED Lighting Specification sets product, install, and procurement guidance for all LED lighting work in the Prologis Americas portfolio. Prologis has selected Acuity Brands to be the sole manufacturer of **LED lighting in the portfolio. All LED lighting spend will need to be directed through Acuity's National Account team.**

Acuity Brands (Lithonia Lighting)	**National Account Pricing Reference Code 901-18-10355**

Specific process flow charts outlining the procurement process and correct contact for each category (New Development, TI, Make Ready, Essentials) are attached as exhibits to this document.

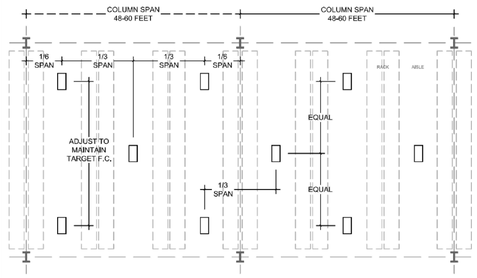
LIGHTING SYSTEM DESIGN, PERFORMANCE AND INSTALLATION REQUIREMENTS

General Requirements: The following general requirements apply to all Prologis lighting projects:

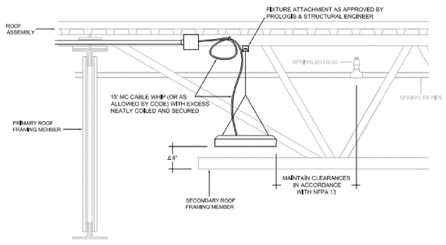
1. All work should be permitted and performed in accordance with local codes.
2. Photometric illumination studies are required for all projects. Reflectance values of walls, floors and ceilings should be set based on the space being lit, utilizing photos, site observation, etc.
3. Local, regional or tenant-driven specifications must be approved or directed by Prologis.
4. Branch wiring #2 and smaller shall be copper.
5. Conduit and cable shall run parallel to or at 90° to building lines.
6. Overhead conduits to be EMT. Alternate types for special conditions to be approved by Prologis.
7. Junction boxes shall be labeled with source panel and circuits contained.
8. Conduits above the roof deck (under the insulation) or within or below the slab are not allowed.

Warehouse Specifications:

A. Minimum Illumination: Open warehouse areas - 25 FC average, 12.5 FC minimum (30" AFF). Racked aisles - 15 FC average, 7.5 FC minimum (30" AFF).
B. Uniformity Ratio: Maximum to minimum of 4:1, average to minimum of 2:1.
C. Design Considerations: Fixtures shall be evenly spaced across the floor plan. Lighting designer shall have the flexibility to shift perimeter light rows off of the typical spacing for the project to minimize dark corner conditions and better illuminate the "Speed Bays" (the first column bay in from the dock wall). When available, racking plans should be used to develop a quality, cost-efficient lighting design. When racking plans are not available, and a new lighting layout is feasible, layouts based on diamond fixture arrangements illuminate open floor plans well and remain flexible for future racking (by requiring fewer fixtures to be added and avoiding instances where fixtures fall directly above racking).



D. Fixture Mounting: Fixtures shall hang 0-6" above the bottom chord of the secondary roof framing members (above the Clear Height) to maximize warehouse volume. Please refer to the fixture mounting detail below. Luminaires shall be installed with MC Cable whips containing #12 AWG conductors, 15' in length or as allowed by code. If allowed locally, a building-wide modular wiring system (RELOC, MWS, etc.) may be used. Fixtures cannot be attached to the roof deck without approval from Prologis and the structural engineer.



E. Controls: Local code will drive the level of controls required. At a minimum, luminaires should be provided with integral occupancy sensors (and daylight sensors when skylights are present) for local, non-networked control. All sensor and control types shall be selected by the design professional.

Office/Non-Warehouse Specifications:

A. Minimum Illumination:
1. Office: 35 FC average (30" AFF)
2. Conference rooms: 40 FC average (30" AFF)
3. Corridors / circulation: 25 FC average (30" AFF)
4. Restrooms, cafeteria, break areas: 30 FC average (32" AFF)

B. Uniformity Ratio: Maximum to minimum of 3:1, average to minimum of 2:1
C. Fixture Application: Illumination for interior office suites should be provided with 2x2, 2x4, recessed downlights and linear fixtures as required to meet the design intent. No less than two fixtures per private office, one light fixture near each exterior exit door to provide 24-hour lighting, plus emergency and egress lighting per code.
D. Controls: Local code will drive the level of controls required. At a minimum, non-networked occupancy controls should be provided. All sensor and control types shall be selected by the design professional. Care should be taken to ensure the specific sensor matches the use of the space, occupancy type, spatial and environmental factors, and local code.

Exterior Lighting Specifications:

A. Minimum Illumination:
1. Trailer parking and truck courts: 0.5 FC average (at grade)
2. Auto parking: 1 FC average (at grade)
3. Main building entry and exits: 5 FC average (at grade)
4. Pedestrian walkways: 2 FC average (at grade)
5. General traffic circulation: 1 FC average (at grade)

B. Uniformity Ratio: Average to minimum of 4:1
C. Fixture Application: Exterior lighting projects shall comply with all applicable codes and requirements. Illumination shall be provided first by wall packs, then by pole-mounted luminaires as a last resort, to meet the design intent. Wall packs shall be provided at exterior man doors and at truck dock areas. Pole lights shall be 30' and 40' tall in car and truck traffic areas, respectively (or as required by local code), and shall not be installed in traffic-exposed areas. Fixture selections should consider site-specific factors such as backlight, uplight, and glare restrictions (collectively B.U.G.), ambient temperature, susceptibility to corrosion, and presence of roosting birds.
D. Controls: Local code will drive the level of controls required. Exterior lighting shall, at a minimum, be controlled by an astronomic time clock system located near the house electrical panel. Time clock should include an override function so lighting can be forced 'on' during non-programmed hours to assist trouble shooting and replacement.

LED HIGHBAY

- Specifications:
  - Color Temp – 5000K
  - Color Rendering - 80 CRI
  - Lumens- 24000 nominal
  - LPW Target -160 LPW Nominal
  - Ambient – 55 Degree C
- Options:
  - LSXR Sensor (LSXR6 ADC)
  - Job Pack (48-60)
  - Battery Back up (Title 20 compliant 20 watt- MVOLT only)
  - Cord & Plug (Option only)
  - Distribution GND
  - HVOLT (347-480)

MOTION SENSOR

Sensor Programming & Specifications

LSXR 6 ADC 1V 7.5M 7.5MVLP

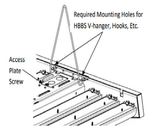
Lens = High Bay 360
Occupancy Time Delay = 7.5 minutes
Dim to Off Time Delay = 7.5 minutes
High Trim = 100%
Low Trim = 10%
Photocell = Enabled on/off and dimming
Photocell Set Point = 4fc

Sequence Of Operations

1. Upon occupancy: lights turn on to 100%
2. Ambient light is measured by the photocontrol, and if detected, will adjust the light level to 4 fc which is read at the sensor
3. After vacancy of 7.5 minutes.... lights will dim to 10% and remain there for another 7.5 minutes and then shut off, provided not occupancy it detected during this timeout period, otherwise process starts again.

This gives a maximum ON time of 15 minutes (7.5 @ 100% or less, and 7.5 @ 10%).

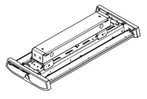
MOUNTING



HBBS & IBGACVH V-HANGER ACCESSORY

BATTERY BACKUP

(Access Plate not removable)



Battery Back up back box – needed for battery back
* Step down will be needed for HVOLT options adding to cost

TRADITIONAL SQUARE VANITY (FMVTSL)

FEATURES & SPECIFICATIONS

INTENDED USE

Provides an LED lighting platform to deliver general or task lighting for residential and light commercial applications. Light engine delivers long life and excellent color to ensure a quality, low-maintenance light installation. Ideal for use in bathrooms, lavatories, hallways, corridors, stairways, utility areas and more.

CONSTRUCTION

The Traditional Square Vanity is constructed of an acrylic diffuser with housings available in brushed nickel. The white acrylic diffuser provides even illumination and softens the appearance of the LEDs for improved aesthetics.

OPTICS

2' produces 1300 lumens, 3' produces 1900 lumens, and 4' produces 2500 lumens at 3000K with 50,000 hours of life.

Extruded acrylic diffuser is of highly transmissive material to minimize LED image and provides high-angle brightness control.

ELECTRICAL

Long-life LEDs, coupled with a multivolt driver, provide extended service life. Standard input = 9.5 watts, (2'); 26 watts, (3'); 34 watts, (4'). Fixture is rated to deliver L70 performance at 50,000 hours and operates at 120-277 volts.

Use with non-dimmable switches only.

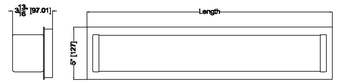
LISTINGS

UL Listed to US and Canadian safety standards. Listed for damp locations. ENERGY STAR® certified.

WARRANTY

5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

NOTE: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.



SPECIFICATIONS	2FT	3FT	4FT
Length:	23-7/16 (595)	35-1/4 (895)	47-1/16 (1195)
Weight:	7.3 (3.3)	10 (4.5)	12.7 (5.8)
3000K Lumens (LPW)	1302 (72)	1919 (73)	2551 (75)
4000K Lumens (LPW)	1373 (76)	2024 (77)	2689 (79)

All dimensions are inches (millimeters) unless otherwise indicated. Weights are pounds (kilograms).

ORDERING INFORMA For shortest lead times, configure product using bolded options.

Series	Length	Voltage	Color temperature	CRI	Finish
FMVTSL Traditional Square Vanity	**24IN** 2' Nominal **36IN** 3' Nominal **48IN** 4' Nominal	**MVOLT** MVOLT (120V-277V)	**30K** 3000 K	90CRI >90	**BN** Brushed Nickel

ELKAY BOTTLE FILLING STATION (LZSTL8WSLP)

PRODUCT SPECIFICATIONS

Elkay Enhanced ezH2O® Bottle Filling Station, & Versatile Bi-Level ADA Cooler, Filtered 8 GPH Light Gray. Chilling Capacity of 8.0 GPH (gallons per hour) of 50□ F drinking water, based on 80□ F inlet water and 90□ F ambient, per ASHRAE 18 testing. Features shall include Hands Free, Visual Filter Monitor, Automatic Filter Status Reset, Filtered, Energy Savings, Green Ticker™, Laminar Flow, Antimicrobial, Real Drain. Furnished with Flexi-Guard ® Safety Bubbler. Electronic Bottle Filler Sensor With Electronic Front And Side Bubbler Pushbar activation. Product shall be Wall Mount (On Wall), for Indoor applications, serving 2 station(s). Unit shall be certified to UL 399 and CAN/CSA C22.2 No. 120. Unit shall be lead-free design which is certified to NSF/ANSI 61 & 372 (lead free) and meets Federal and State low-lead requirements.

Special Features:	Hands Free, Visual Filter Monitor, Automatic Filter Status Reset, Filtered, Energy Savings, Green Ticker™, Laminar Flow, Antimicrobial, Real Drain
Finish:	Light Gray Granite
Power:	115V/60Hz
Bubbler Style:	Flexi-Guard ® Safety Bubbler
Activation by:	Electronic Bottle Filler Sensor With Electronic Front And Side Bubbler Pushbar
Mounting Type:	Wall Mount (On Wall)
Chilling Option*:	8.0 GPH
Full Load Amps	5
Rated Watts:	370
Dimensions (L x W x H):	36-3/4" x 19" x 39-1/2"
Approx. Shipping Weight:	104 lbs.
Installation Location:	Indoor
No. of Stations Served:	2
*Based on 80° F inlet water & 90° F ambient air temp for 50° F chilled drinking water.	

Special Note: One-Box Packaging.

- Visual Filter Monitor: LED Filter Status Indicator for when filter change is necessary.
- Filter is certified to NSF 42 and 53 for lead, particulate, chlorine, taste and odor reduction. 3,000 gal. capacity.

□ Energy-Savings Feature - allowing for the refrigeration to be powered off when not in use.
□ Green Ticker: Informs user of number of 20 oz. plastic water bottles saved from waste.
□ Laminar flow provides clean fill with minimal splash.

- Silver Ion Antimicrobial protection on key plastic components to inhibit the growth of mold and mildew.

□ Real Drain System eliminates standing water.

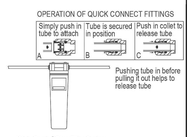
COOLING SYSTEM

□ Compressor: Hermetically-sealed, reciprocating type, single phase. Sealed-in lifetime lubrication.
□ Condenser: Fan cooled, copper tube with aluminum fins. Fan motor is permanently lubricated.
□ Cooling Unit: Combination tube-tank type. Continuous copper tubing with is fully insulated with EPS foam that meets UL requirements for self-extinguishing material.
□ Refrigerant Control: Refrigerant R-134a is controlled by accurately calibrated capillary tube.
□ Temperature Control: Easily accessible enclosed adjustable thermostat is factory preset. Requires no adjustment other than for altitude requirements.

IMPORTANT!
INSTALLER PLEASE NOTE :
This water cooler has been designed and built to provide water to the user which has not been altered by materials in the cooler waterways. The grounding of electrical equipment such as telephone, computer, etc. to water lines is a common procedure. The grounding may be in the building but may also occur away from the building. This grounding can cause electrical feedback into a water cooler creating an electrolysis which creates a metallic taste or causes an increase in the metal content of the water. This condition is avoidable by installing the cooler using the proper materials as shown below.

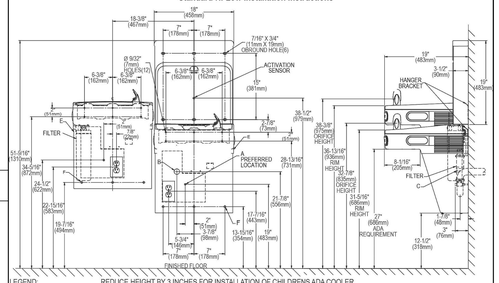
NOTICE
This water cooler must be connected to the water supply using a dielectric coupling. The cooler is furnished with a non-metallic strainer which meets this requirement. The drain trap which is provided by the installer should also be plastic to completely isolate the cooler from the building plumbing system.
Bottle filler unit on bracket attached to wall by 6 holes (as shown). Water and electrical will connect through pre-punched hole in basin.
These products are designed to operate on 20 psi to 105 psi supply line pressure. Simultaneous operation of both bubblers on a bi-level unit may not be possible depending on water supply pressure. If simultaneous operation is desired, please ensure a minimum of 65 psi supply.

OPERATION OF QUICK CONNECT FITTINGS



WaterSentry™ Plus Filter System

Standard Hi-Low Installation Instructions



LEGEND: REDUCE HEIGHT BY 3 INCHES FOR INSTALLATION OF CHILDRENS ADA COOLER
A = Recommended Water Supply location. Shut-off Valve (not furnished) to accept 3/8" O.D. unplated copper tube. Up to 3" (76mm) maximum out from wall.
B = Recommended Waste Outlet location. To accommodate 1-1/2" nominal drain. Drain stub 2" (51mm) out from wall.
C = 1-1/2" Trap (not furnished).
D = Electrical Supply (3) Wire Recessed Box Duplex Outlet.
E = Insure proper ventilation by maintaining 6" (152mm) minimum clearance from cabinet louvers to wall.
F = 7/16" (11mm) Bolt Holes for fastening to wall.
Note : New Installations Must Use Ground Fault Circuit Interrupter (GFCI). It is highly recommended that the circuit be dedicated and the load protection be sized for 20 amps.

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Professional seal

6709
REGISTERED ARCHITECT
BRADLEY ROBERT SMITH
STATE OF WASHINGTON

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City Electronic Stamp Location

CLIENT APPROVAL DATE

City Electronic Stamp Location

Drawn by: MK Project Manager: SH

Project No: 22.0243.00

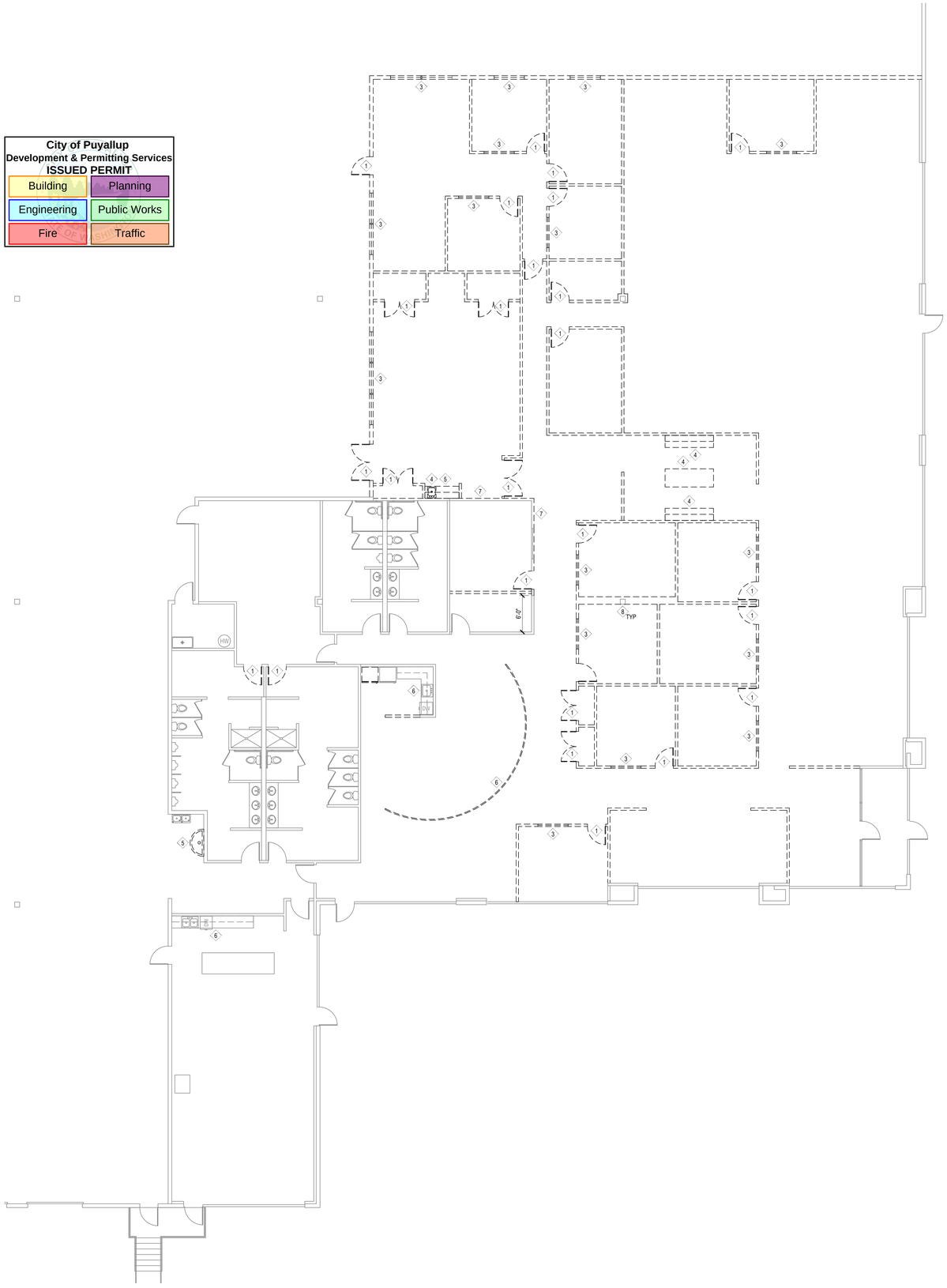
PROLOGIS CUSTOMER FINISH STANDARDS

Original drawing is 30" x 42". Scale entities accordingly if reduced.

GI004

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



R FLOOR DEMOLITION PLAN

1/8" = 1'-0"

PROJECT NORTH

NORTH

DEMOLITION SYMBOLS

EXISTING CONSTRUCTION TO BE REMOVED

EXISTING CONSTRUCTION TO REMAIN

NOT IN CONTRACT, (NIC)

GENERAL DEMOLITION NOTES

1. REFER TO CONSTRUCTION PLAN AND CEILING PLAN FOR EXTENT OF DEMOLITION.
2. SAVE AND STORE ALL LIGHT FIXTURES, EXIT SIGNS, DOORS & HARDWARE FOR RE-USE, UON.
3. SAVE ALL EXISTING PLUMBING FIXTURES FOR RE-USE, UON.
4. REMOVE ALL TELEPHONE, ELECTRICAL, AND DATA OUTLETS, FIXTURES, PANELS, ETC, FROM ALL DEMOLISHED PARTITIONS. REMOVE ALL CORRESPONDING CABLES, CONDUIT, WIRING, ETC. ALL THE WAY BACK TO THE ORIGINATING SOURCE, UON.
5. REMOVE ALL FLOOR FINISHES EXCEPT FOR EXISTING ROOMS NOTED AS NOT IN CONTRACT OR OTHERWISE INDICATED IN THE KEYNOTES. SCRAPE ALL ADHESIVE TO CLEAN FINISH. PATCH AND REPAIR FLOOR SLAB AS REQUIRED TO MAINTAIN A SMOOTH AND EVEN SURFACE. LEAVE FLOOR SLAB IN BROOM SWEPT CLEAN CONDITION TO PREPARE FOR NEW FLOOR FINISH.
6. REMOVE ALL WALL FINISHES, WALL BASE AND SKIM WALLS EXCEPT FOR EXISTING ROOMS NOTED AS NOT IN CONTRACT OR OTHERWISE INDICATED IN THE KEYNOTES.

KEYED SHEET NOTES

1. REMOVE DOOR, FRAME, AND HARDWARE - TO BE STORED OR RELOCATED AND REINSTALLED WHERE APPLICABLE; VERIFY WITH BUILDING MANAGEMENT. PATCH AND REPAIR SURFACES, AS REQUIRED, FOR NEW CONSTRUCTION AND/OR FINISHES.
2. REMOVE STOREFRONT GLAZING, DOOR AND ASSOCIATED SUPPORT. PATCH AND REPAIR SURFACES, AS REQUIRED, FOR NEW CONSTRUCTION AND/OR FINISHES.
3. REMOVE RELITE AND FRAME - TO BE STORED OR RELOCATED AND REINSTALLED WHERE APPLICABLE; VERIFY WITH BUILDING MANAGEMENT. PATCH AND REPAIR SURFACES, AS REQUIRED, FOR NEW CONSTRUCTION AND/OR FINISHES.
4. REMOVE UPPER AND LOWER CASEWORK.
5. REMOVE EXISTING PLUMBING FIXTURES, HARDWARE AND ASSOCIATED EQUIPMENT. REMOVE WATER AND DRAIN LINES, NOT TO BE REUSED, AND CAP PLUMBING AS REQUIRED. PATCH AND REPAIR ALL SURFACES AS REQUIRED FOR NEW CONSTRUCTION AND FINISHES.
6. UPPER CASEWORK TO REMAIN.
7. DEMOLISH AND DISPOSE OF GWB ON THIS SIDE OF EXISTING PARTITION. REMAINDER OF EXISTING WALL TO REMAIN. PREPARE FOR NEW WALL CONSTRUCTION. COORDINATE DEMOLITION WITH CONSTRUCTION PLAN.
8. PROTECT EXISTING COLUMN DURING DEMOLITION AND CONSTRUCTION, TYP.

BURGESS DESIGN
INTERIORS - ARCHITECTURE
1200 5th Ave Suite 400 Seattle WA | 206.587.7120

Tenant:
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MAKE READY
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Professional seal

6709 REGISTERED ARCHITECT
BRADLEY ROBERT SMITH
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Drawn by: MK Project Manager: SH

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FLOOR DEMOLITION PLAN

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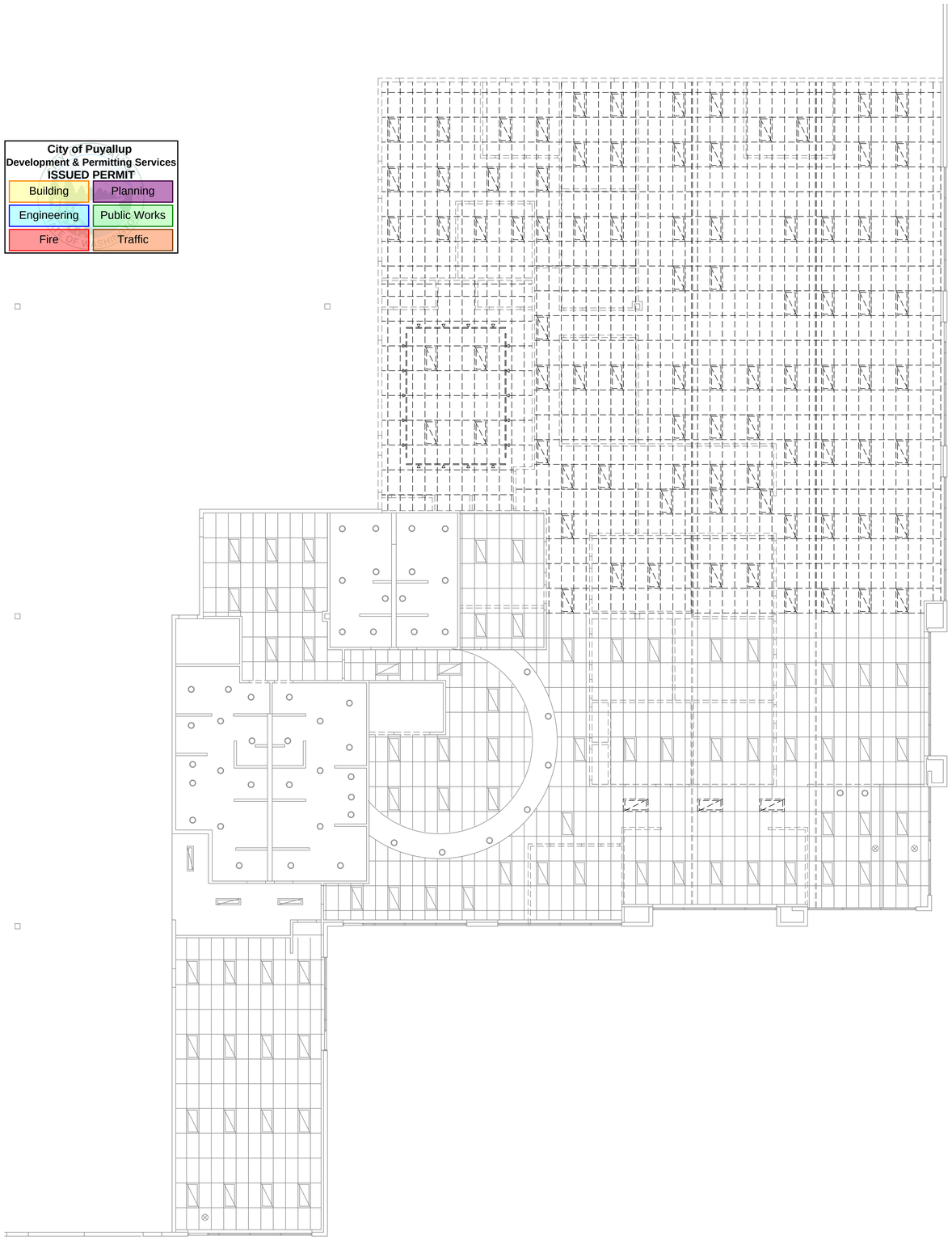
AD101

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



R CEILING DEMOLITION PLAN

1/8" = 1'-0"

PROJECT NORTH
NORTH

CEILING DEMOLITION LEGEND

FIXTURE / SYMBOL	DESCRIPTION/SPEC
	EXISTING 2' X 4' FIXTURE TO REMAIN.
	EXISTING 2' X 4' FIXTURE TO BE REMOVED.
	EXISTING 1' X 4' FIXTURE TO REMAIN.
	EXISTING RECESSED DOWNLIGHT FIXTURE TO REMAIN.
	EXISTING RECESSED DOWNLIGHT FIXTURE TO BE REMOVED.
	EXISTING EXIT SIGN TO REMAIN. COORDINATE WITH CODE OFFICIAL.
	EXISTING EXIT SIGN TO BE REMOVED.
	EXISTING CEILING GRID/TILE/SUPPORT TO BE REMOVED.
	NOT IN CONTRACT, (NIC)

GENERAL CEILING DEMOLITION NOTES

1. REFER TO CONSTRUCTION PLAN AND REFLECTED CEILING PLAN FOR EXTENT OF DEMOLITION.
2. SAVE AND STORE ALL LIGHT FIXTURES FOR RE-USE, UON.

B

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INTERIORS - ARCHITECTURE
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Tenant:
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MAKE READY
PUYALLUP 1
1601 INDUSTRIAL PARK #100
PUYALLUP, WA 98371

Professional seal

6709 REGISTERED ARCHITECT
BRADLEY ROBERT SMITH
STATE OF WASHINGTON

No.	Issue Description	Date
	REVIEW SET	01.06.23
	REVIEW SET	01.30.23
	REVIEW SET	02.17.23
	REVIEW SET	02.27.23
	PERMIT SET	03.10.23

City Electronic Stamp Location

CLIENT APPROVAL DATE

City Electronic Stamp Location

Drawn by: MK Project Manager: SH

Project No: 22.0243.00

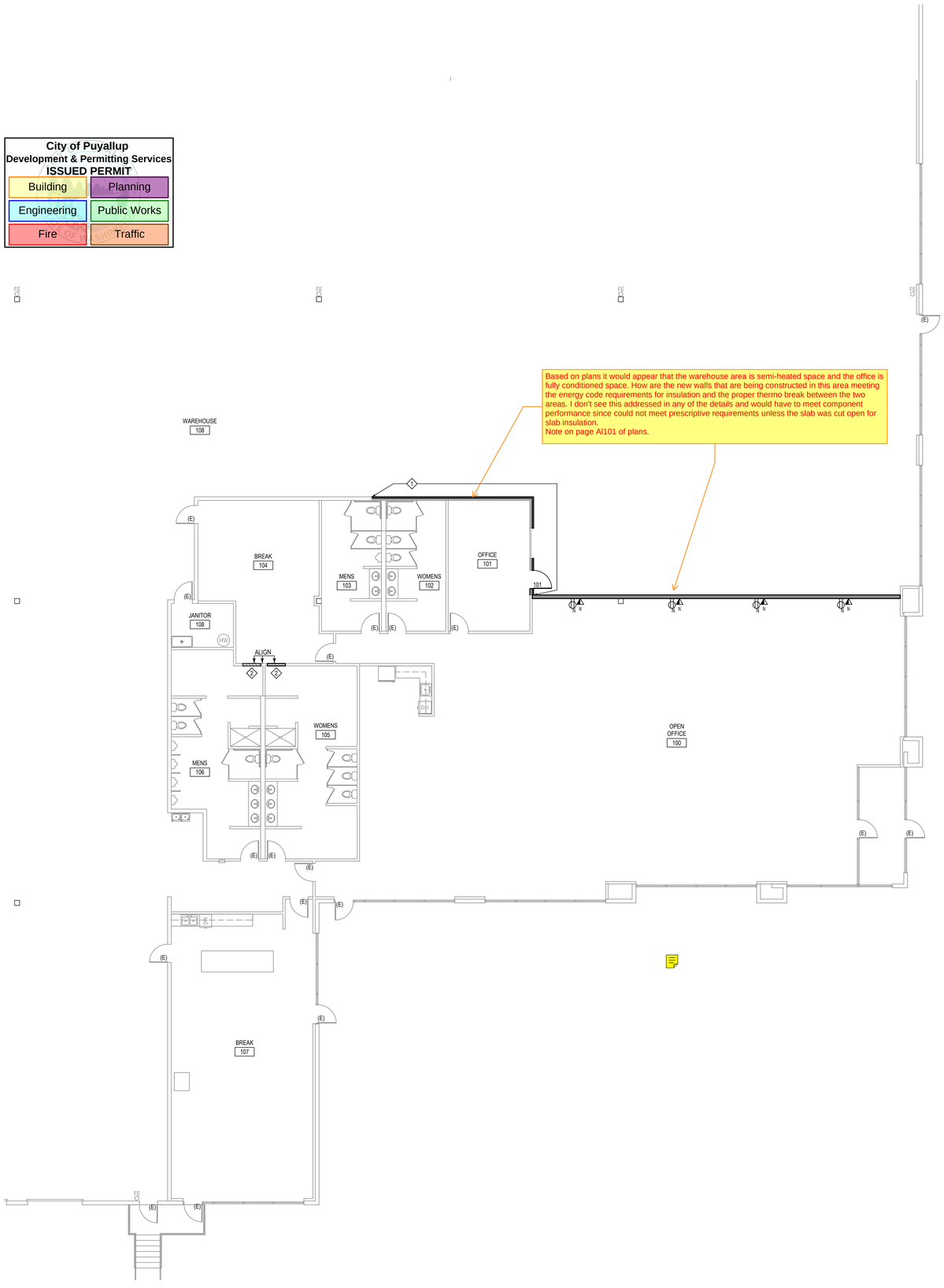
CEILING DEMOLITION PLAN

Original drawing is 30" x 42". Scale entities accordingly if reduced

AD102

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



R CONSTRUCTION / POWER & DATA PLAN
1/8" = 1'-0"

PROJECT NORTH
NORTH

CONSTRUCTION PLAN SYMBOL LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- NEW INSULATED INTERIOR PARTITION TO STRUCTURE ABOVE, PER DETAIL U/AI300
- EXISTING PARTITION EXTENDED TO STRUCTURE ABOVE, PER DETAIL V/AI300
- NEW INSULATED INTERIOR INFILL PARTITION CONSTRUCTION.
- F.E.C. NEW OR EXISTING BUILDING STANDARD FIRE EXTINGUISHER CABINET
- XXXX NEW DOOR
- NOT IN CONTRACT, (NIC)

GENERAL CONSTRUCTION PLAN NOTES

1. REFER TO PROJECT NOTES FOR CONSTRUCTION REQUIREMENTS.
2. GENERAL CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
3. ALL INTERIOR PARTITION, PENETRATIONS, AND OTHER OPENINGS IN THE BUILDING SHELL SHALL BE SEALED, GASKETED, OR WEATHER STRIPPED AS REQUIRED TO MEET PARTITION RATINGS.
4. WHERE PARTITION LAYOUT INTERSECTS EXISTING SHELL/CORE GYPSUM BOARD, REMOVE EXISTING CORNER BEADS AND OTHER ACCESSORIES, ALIGN FACE OF PARTITIONS, TAPE & SAND SMOOTH FOR NEW FINISH.
5. PROVIDE PARTITION ANCHOR BRACKETS FOR ALL CASEWORK, FIXTURES, EQUIPMENT, & DEVICES MOUNTED ON OR ATTACHED TO PARTITIONS.
6. PARTITIONS ARE TO BE BUILDING STANDARD FLOOR TO CEILING PARTITIONS, UON. SEE TYPICAL WALL DETAIL SHEET FOR MORE INFORMATION.
7. DOORS AND CASED OPENINGS WITHOUT DIMENSIONS OR DETAILS ARE TO BE LOCATED 4" FROM ADJACENT WALL OR MATCH EXISTING SUITE STANDARD.

WALL MOUNTED DEVICES

SYMBOL	DESCRIPTION
	EXISTING TO REMAIN
#	DUPLEX OUTLET (# DENOTES MOUNTING HT IN INCHES)
	VOICE & DATA COMBINATION OUTLET

MISC. NOTATION

N	DENOTES A NEW DEVICE

GENERAL ELECTRICAL PLAN NOTES

1. REFER TO PROJECT NOTES FOR CONSTRUCTION REQUIREMENTS.
2. ELECTRICAL SUB-CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE WORKING CONDITION OF ALL EXISTING OUTLETS NOTED TO REMAIN.
3. ALL OUTLETS SHOWN ARE APPROXIMATE. DUE TO HIDDEN CONDITIONS ADDITIONAL P/P/D MAY EXIST, BUT NOT BE REFLECTED ON THE PLANS.
4. FURNITURE SHOWN FOR INTENT ONLY. FINAL LOCATION OF FURNITURE AND OUTLETS TO BE COORDINATED WITH TENANT'S FURNITURE VENDOR. VERIFY ELECTRICAL AND VOICE/DATA REQUIREMENTS WITH TENANT.
5. UNLESS DIRECTED OTHERWISE, ALL VOICE/DATA CABLING AND EQUIPMENT ASSOCIATED WITH VOICE/DATA SERVICE INCLUDING WORK FROM BUILDING/FLOOR D-MARK TO SERVER ROOM SHALL BE FURNISHED AND INSTALLED BY TENANT.
6. REFER TO DETAIL C/AI600 FOR GENERAL DEVICE ALIGNMENT.

KEYED CONSTRUCTION PLAN SHEET NOTES

1. MODIFY EXISTING PARTITION TO EXTEND TO STRUCTURE.
2. INFILL EXISTING PARTITION TO MATCH EXISTING ADJACENT WALL CONSTRUCTION SO FINISH ALIGNS ON EACH SIDE OF WALL.

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BRADLEY ROBERT SMITH
STATE OF WASHINGTON

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City Electronic Stamp Location

CLIENT APPROVAL DATE

City Electronic Stamp Location

Drawn by: MK Project Manager: SH

Project No: 22.0243.00

CONSTRUCTION / POWER & DATA PLAN

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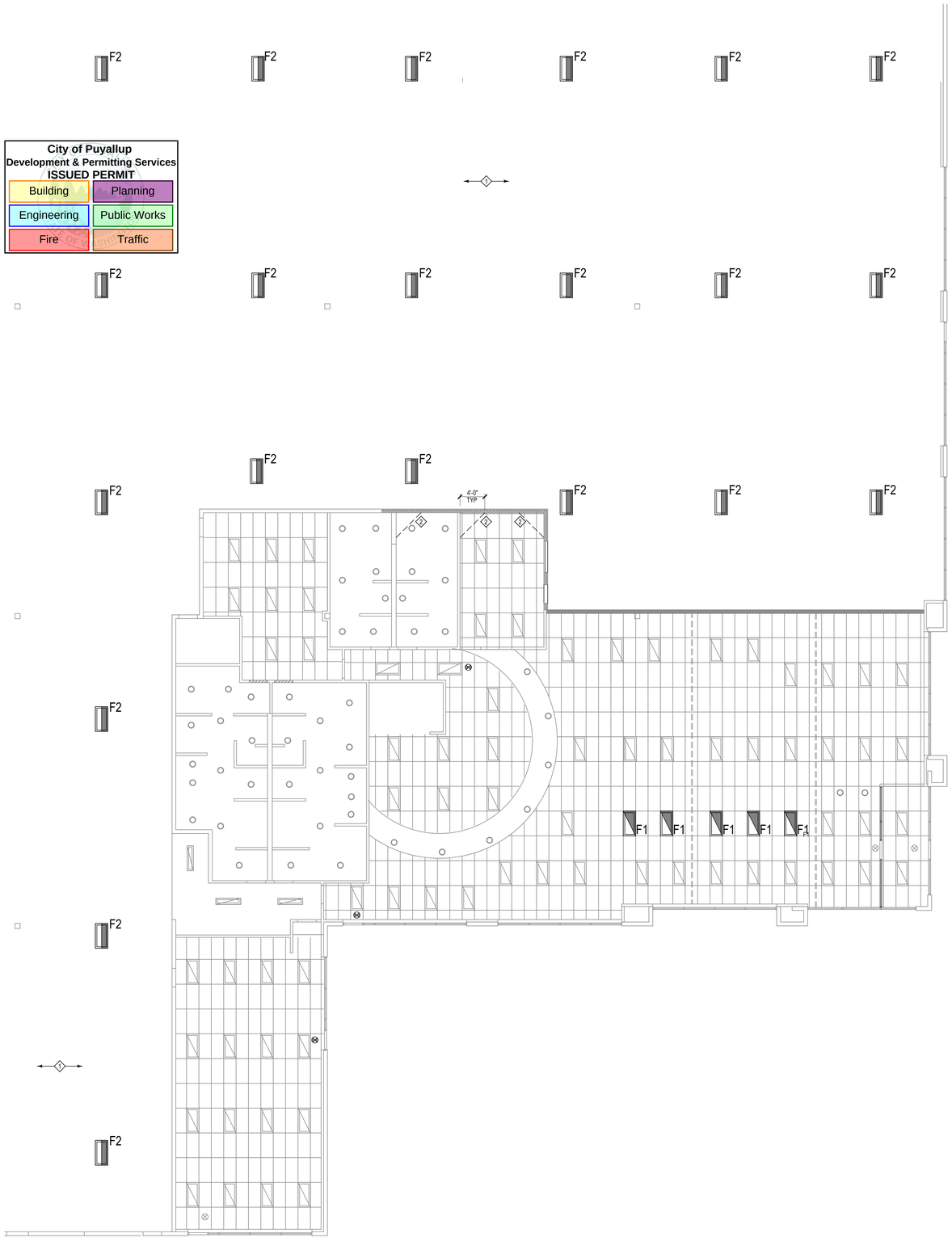
AI101



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

R REFLECTED CEILING PLAN - OFFICE
1/8" = 1'-0"

PROJECT NORTH
NORTH

REFLECTED CEILING PLAN LEGEND

FIXTURE / SYMBOL	DESCRIPTION/SPEC
	EXISTING 2' X 4' FLUORESCENT/LED FIXTURE TO REMAIN.
	EXISTING 1' X 4' FIXTURE TO REMAIN.
	EXISTING RECESSED DOWNLIGHT FIXTURE TO REMAIN.
F1	RELOCATED 2' X 4' FIXTURE.
F2	NEW SUSPENDED HIGH BAY LED LIGHT FIXTURE SPEC: LITHONIA PLD L24 24000LM SEF AFL GND MVOLT GZ10 50K 80 CRI
	ON/OFF WALL STATION SPEC: ECHOFLEX WIRELESS, OR ARCHITECT APPROVED EQUAL
	EXISTING EXIT SIGN TO REMAIN. COORDINATE WITH CODE OFFICIAL.
	NEW OR RELOCATED EXIT SIGN. COORDINATE FINAL LOCATION WITH CODE OFFICIAL.
	NOT IN CONTRACT. (NIC)

GENERAL RCP NOTES

1. REFER TO PROJECT NOTES FOR CONSTRUCTION REQUIREMENTS.
2. ARCHITECTURAL REFLECTED CEILING PLANS INDICATE TYPE AND LOCATION OF LIGHT FIXTURES. REFER TO DESIGN BUILD ELECTRICAL DRAWINGS AND DESIGN BUILD LIFE SAFETY FOR COMPLETE REFLECTED CEILING PLAN DESIGN.
3. LIGHT SWITCHES ARE SHOWN FOR LOCATION AND DESIGN INTENT ONLY. REFER TO ELECTRICAL DESIGN BUILD FOR SPECIFIC LOCATION AND SWITCHING DIAGRAMS.
4. UNLESS OTHERWISE NOTED, MULTIPLE SWITCHES IN A SINGLE LOCATION SHALL BE GANGED IN A SINGLE BOX AND COVERED WITH A SINGLE COVERPLATE.
5. CLEAN, REPAIR OR REPLACE AS REQUIRED ALL EXISTING SUSPENDED CEILING GRID AND TILES EXISTING TO REMAIN.
6. HVAC CONTRACTOR TO CLEAN ALL EXISTING SUPPLY/RETURN GRILLS PRIOR TO COMPLETION OF PROJECT.
7. ELECTRICAL SUB-CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE COUNTS OF EXISTING FIXTURES TO BE RELOCATED.
8. ELECTRICAL SUB-CONTRACTOR IS RESPONSIBLE FOR PROVIDING CUT SHEETS TO DESIGNER FOR ALL FIXTURES DESIGNATED AS NEW.
9. PROVIDE EGRESS ILLUMINATION PER IBC 1008. CONTRACTOR IS RESPONSIBLE FOR DESIGN OF THIS SYSTEM UNDER THE DESIGN BUILD CONTRACT. VERIFY WITH BUILDING MANAGEMENT'S EXISTING SYSTEM AND PROVIDE FULL COMPLIANCE TO NEW TENANT SPACE.
10. THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FOOT CANDLE (11 LUX) AT THE WALKING SURFACE.

KEYED RCP SHEET NOTES

1. REFER TO SHEET AI132 FOR WAREHOUSE LIGHTING LAYOUT AND ADDITIONAL INFORMATION.
2. HORIZONTAL METAL STUD CROSS BRACE.

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Drawn by: MK Project Manager: SH
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REFLECTED CEILING PLAN - OFFICE

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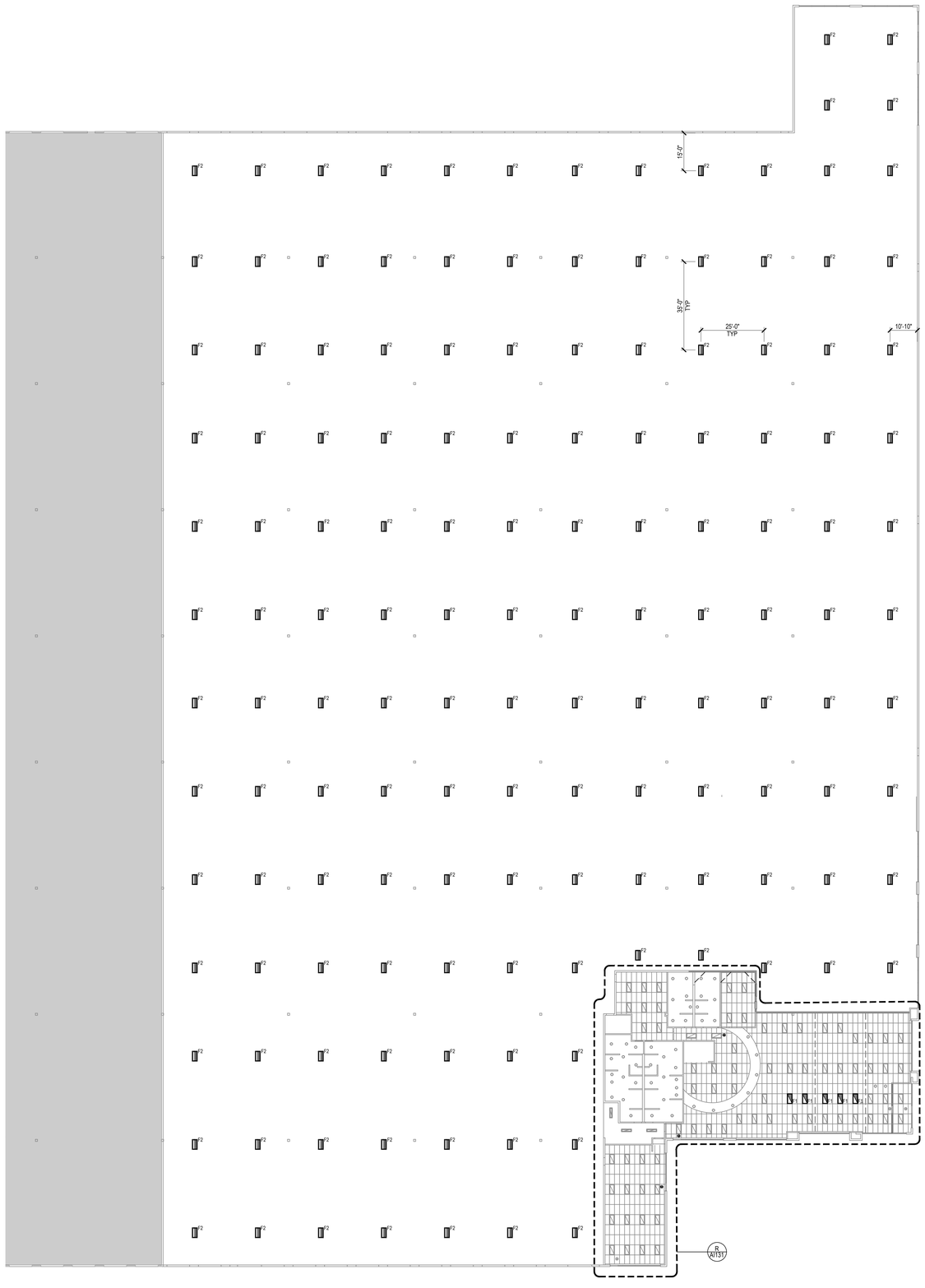
AI131



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

REFLECTED CEILING PLAN LEGEND

FIXTURE / SYMBOL	DESCRIPTION/SPEC
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	ON/OFF WALL STATION SPEC: ECHOFLEX WIRELESS, OR ARCHITECT APPROVED EQUAL
	EXISTING EXIT SIGN TO REMAIN. COORDINATE WITH CODE OFFICIAL.
	NEW OR RELOCATED EXIT SIGN. COORDINATE FINAL LOCATION WITH CODE OFFICIAL.
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GENERAL RCP NOTES

1. REFER TO PROJECT NOTES FOR CONSTRUCTION REQUIREMENTS.
2. ARCHITECTURAL REFLECTED CEILING PLANS INDICATE TYPE AND LOCATION OF LIGHT FIXTURES. REFER TO DESIGN BUILD ELECTRICAL DRAWINGS AND DESIGN BUILD LIFE SAFETY FOR COMPLETE REFLECTED CEILING PLAN DESIGN.
3. LIGHT SWITCHES ARE SHOWN FOR LOCATION AND DESIGN INTENT ONLY. REFER TO ELECTRICAL DESIGN BUILD FOR SPECIFIC LOCATION AND SWITCHING DIAGRAMS.
4. UNLESS OTHERWISE NOTED, MULTIPLE SWITCHES IN A SINGLE LOCATION SHALL BE GANGED IN A SINGLE BOX AND COVERED WITH A SINGLE COVERPLATE.
5. CLEAN, REPAIR OR REPLACE AS REQUIRED ALL EXISTING SUSPENDED CEILING GRID AND TILES EXISTING TO REMAIN.
6. HVAC CONTRACTOR TO CLEAN ALL EXISTING SUPPLY/RETURN GRILLS PRIOR TO COMPLETION OF PROJECT.
7. ELECTRICAL SUB-CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE COUNTS OF EXISTING FIXTURES TO BE RELOCATED.
8. ELECTRICAL SUB-CONTRACTOR IS RESPONSIBLE FOR PROVIDING CUT SHEETS TO DESIGNER FOR ALL FIXTURES DESIGNATED AS NEW.
9. PROVIDE EGRESS ILLUMINATION PER IBC 1008. CONTRACTOR IS RESPONSIBLE FOR DESIGN OF THIS SYSTEM UNDER THE DESIGN BUILD CONTRACT. VERIFY WITH BUILDING MANAGEMENT'S EXISTING SYSTEM AND PROVIDE FULL COMPLIANCE TO NEW TENANT SPACE.
10. THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FOOT CANDLE (11 LUX) AT THE WALKING SURFACE.

R REFLECTED CEILING PLAN - WAREHOUSE
1" = 20'-0"

PROJECT NORTH
NORTH

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REFLECTED CEILING PLAN -WAREHOUSE

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AI132

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

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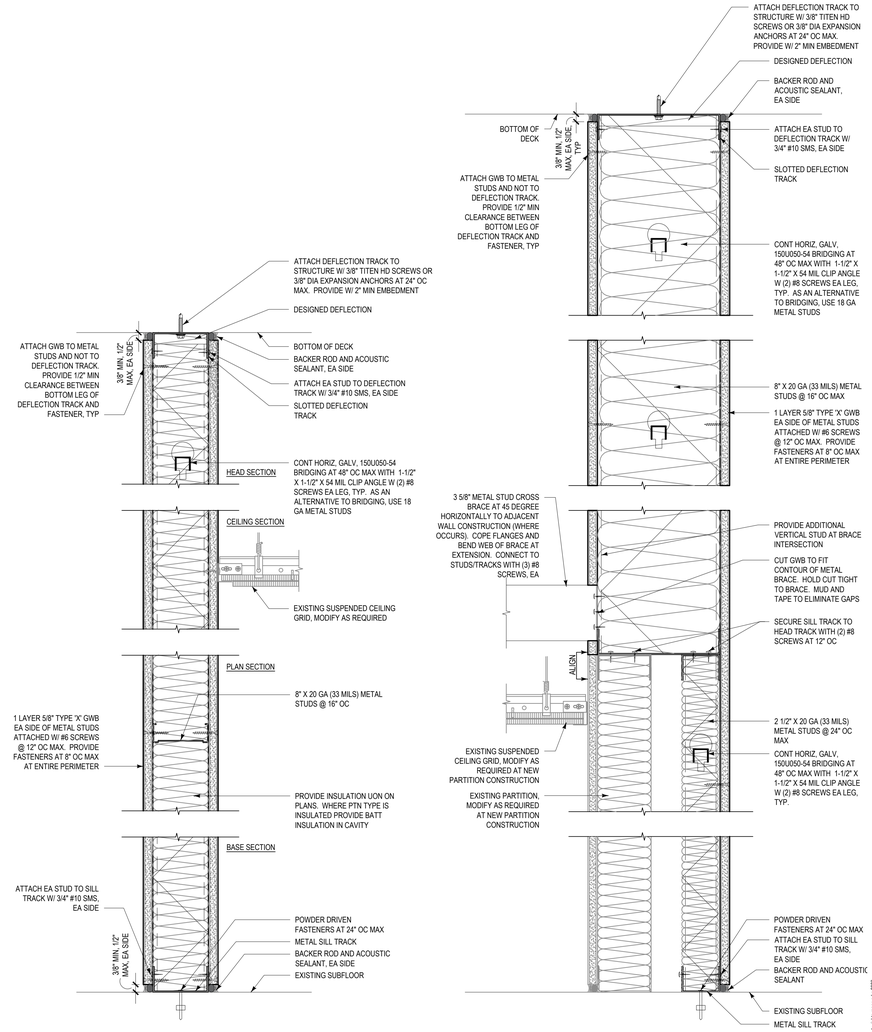

U SECTION
3" = 1'-0"

V PARTITION EXTENSION
3" = 1'-0"

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SECTIONS

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AI300

LIGHTING SUMMARY

LIGHTING COMPLIANCE SUMMARY

2018 WSEC Compliance Forms for Commercial Buildings including Group R2, R3 & R4 over 3 stories and all R1 — Administered by: ©2023 NEEA, All rights reserved

Project & Applicant Information	**Project Title**	Prologis Puyallup 1 Demise - 2018 WSEC	For Building Department Use: **Date: Feb 13, 2023**
	Project Address	1601 Industrial Park 100 Puyallup, WA 98371	
	Applicant Name	Mark Kroeger	
	Applicant Phone	206-587-7120	
	Applicant Email	markk@burgessnw.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**		Warehouse, General Storage	**Building Cond. Floor Area**	385,000
General Project Types	Alteration	New Building or Addition Lighting Scope		**Alteration Lighting Scope**	Interior Lighting	**Project Cond. Floor Area**	130,912
						Floors Above Grade	1
						Compliance Method	Compliance Method 1 - General
Lighting Project Description	NON-STRUCTURAL INTERIOR TENANT IMPROVEMENT: WORK INCLUDES NON-STRUCTURAL DEMOLITION, NEW PARTITIONS, DOORS, AND FINISHES.						

Lighting Compliance Scope and Method	Project Type	Interior / Exterior (Interior includes both interior & parking)	Luminaire Replacement Scope	Compliance Method	LPA Calculation Adjustment	Compliance Verification
	Alteration	Interior Lighting	50% or more replaced	Space by space	No Calculation Adjustments allowed	**COMPLIES**
Additional Efficiency Options Included						

Project Title	**Prologis Puyallup 1 Demise - 2018 WSEC**	**Date**	**Feb 13, 2023**
Lighting Power Calculation	**ALTERATION - INTERIOR LIGHTING (50% or more replaced)**	**Compliance Verification**	**COMPLIES**
Compliance Method	**Space by space**	**LPA Calculation Adjustment**	**none**

Interior Lighting Power Allowance - Space by Space

General Space Type	Specific Space Type	Ceiling Height (Ft)	Gross Interior Area (SF)	LPA (Watts/SF)	Total Watts Allowed (SF x LPA x 1)	Total Proposed Watts (LPD + Display LPD)	Compliance Status
Lounge/breakroom	General		1,659	0.59	979		
Office	Enclosed > 250 sf		293	0.66	193		
Office	Open plan		4,158	0.61	2,536		
Restroom	General		1,285	0.63	810		
Storage room	50-100 sf		75	0.38	29		
Warehouse/storage area	Medium to bulky palletized items		123,439	0.33	40,735		
				Proposed Total LPD		**28566**	
	Totals				**45,282**	**28,566**	**COMPLIES**

Proposed Lighting Power Density

Fixture Type	Fixture ID	Quantity of Fixtures (#F)	Watts or Wattage Limit per Fixture (WpF)	Total Linear Feet (LF)	Watts per Linear Foot (WpLF)	Total Watts Proposed (#F x WpF) or (LF x WpLF)
Individual Fixtures						
Horizontal surface-mount	1x4 Light Fixture	3	64			192
Troffer	2x4 Light Fixture	79	64			5,056
Recessed downlight	Recessed Downlight	49	32			1,568
Suspended	Suspended Highbay LED Fixture	145	150			21,750
					Proposed Total LPD	**28566**

Project Title	**Prologis Puyallup 1 Demise - 2018 WSEC**	**Date**	**Feb 13, 2023**
Proposed Fixtures Details	**ALTERATION - INTERIOR LIGHTING (50% or more replaced)**		

Fixture Type/Application	Fixture ID	Location in Documents	Lamp Type	New or Existing-to-Remain
Individual Fixtures				
Horizontal surface-mount	1x4 Light Fixture	AI131/AI132	T-8 Fluorescent	Existing
	Fixture Description: 1x4 Light Fixture			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			
Troffer	2x4 Light Fixture	AI131/AI132	LED	Existing
	Fixture Description: 2x4 Light Fixture			Are these fixtures located within a daylight zone?:
	Do these fixtures require specific application lighting controls?:			
Recessed downlight	Recessed Downlight	AI131/AI132	Compact Fluorescent	Existing
	Fixture Description: Recessed Downlight			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			
Suspended	Suspended Highbay LED Fixture	AI131/AI132	LED	New
	Fixture Description: Suspended Highbay LED Fixture			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			

City of Puyallup
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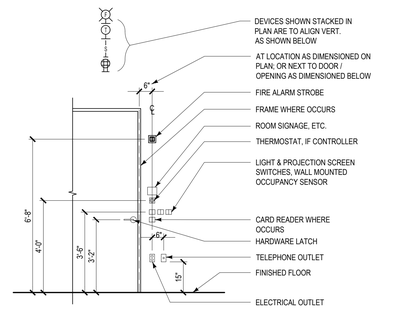
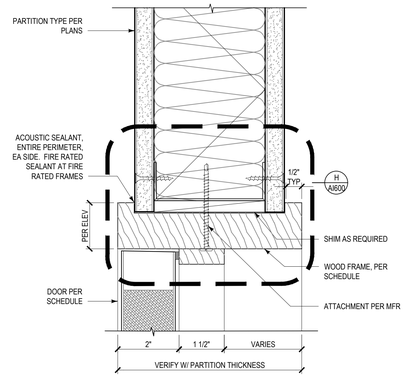


1. LOCATE SWITCHPLATES, ELECTRICAL AND TELEPHONE WALL OUTLETS AT NEAREST STUD FROM SCALED LOCATION ON PLAN, UNLESS SPECIFICALLY DIMENSIONED ON PLAN, ELEVATION, OR LOCATION, AS PER DIAGRAM ABOVE.
2. CENTER FIRE ALARM STROBES DIRECTLY ABOVE FIRE EXTINGUISHER CABINETS WHERE BOTH OCCUR.
3. DETAIL IS SCHEMATIC IN NATURE AND ADA COMPLIANCE MAY BE ACHIEVED WITHIN A RANGE. VERIFY WITH ARCHITECT IF QUESTIONS.
4. IN AREAS WHERE ACCESS FLOOR HAS BEEN REMOVED, VERIFY WITH BUILDING MANAGEMENT AND TENANT WHETHER DEVICES SHOULD BE ALTERED TO STANDARD HEIGHTS. LIGHT SWITCHES MUST BE LOWERED TO ADA COMPLIANT HEIGHTS.

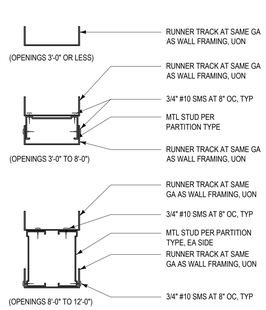
C GENERAL DEVICE ALIGNMENT

NTS



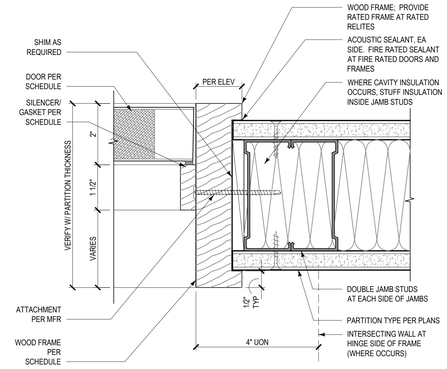
D WOOD DOOR HEAD

6" = 1'-0"



H OPENING HEADER FRAMING

3" = 1'-0"



J DOOR JAMB DETAIL

3" = 1'-0"

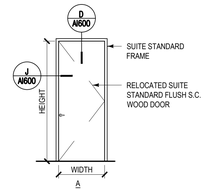
DOOR & HARDWARE GENERAL NOTES

1. SEE BUILDING STANDARD AND HARDWARE SPECIFICATIONS FOR HARDWARE, TYPES AND INSTALLATION.
2. DOOR WIDTH & HEIGHT ARE NOMINAL DIMENSIONS FROM JAMB TO JAMB AND FINISH FLOOR TO BOTTOM OF FRAME AT HEAD. REFER TO SPECIFICATIONS FOR CLEARANCES.
3. DOUBLE DOOR NOMINAL WIDTH INDICATES 2 DOOR LEAVES OF EQUAL WIDTH, UON.
4. DOOR CONSTRUCTION SHALL PROVIDE ATTACHMENT OF ALL HARDWARE WITHOUT THROUGH - BOLTS.
5. DOOR / HARDWARE SHALL COMPLY WITH ALL APPLICABLE IBC & ACCESSIBILITY REQUIREMENTS.
6. FOR OPENINGS LOCATED WITHIN CEILING HEIGHT AND FULL HEIGHT PARTITIONS, PROVIDE DOUBLE JAMB STUDS ON EA SIDE OF OPENING, UON. JAMB STUDS TO MATCH STUD WIDTH AND GAUGE USED AT PARTITION.
7. FOR OPENINGS LESS THAN 12'-0" IN LENGTH AND LOCATED WITHIN FULL HEIGHT PARTITIONS, PROVIDE 18 GA, FULL HT DOUBLE JAMB STUDS AND 18 GA HEADER FRAMING IN LIEU OF KICKER BRACING, UNLESS BRACING IS OTHERWISE INDICATED IN OPENING DETAILS. REFER TO DETAIL H/AI600 FOR HEADER FRAMING. REFER TO DOOR/SIDELIGHT TYPE ELEVATIONS FOR ADDITIONAL INFORMATION.

DOOR SCHEDULE

DOOR NUMBER	ROOM NAME	DOOR			HARDWARE GROUP	FRAME MATERIAL	FIRE RATING (MIN)	NOTES
		NOMINAL WIDTH	NOMINAL HEIGHT	TYPE				
101	OFFICE	EXIST	EXIST	A	EXIST	WD	-	NEW FRAME / RELOCATED DOOR AND HARDWARE

DOOR TYPES



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DOOR SCHEDULES & DETAILS / LIGHTING SCHEDULE

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AI600

City of Puyallup
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Building	Planning
Engineering	Public Works
Fire	Traffic

REFERENCE SYMBOLS

Symbol	Description
	NEW ELECTRICAL WORK
	EXISTING ELECTRICAL WORK
	ENLARGED PLAN BORDER
	MATCHLINE
	ITEM TO BE REMOVED
	AREA NOT IN CONTRACT
	EXISTING TO REMAIN
	EXISTING TO BE REMOVED
	NEW
1 / E-001	SECTION IDENTIFIER
1 / E-001	DETAIL OR DRAWING IDENTIFIER
1	REVISION TAG
AHU-XXX	EQUIPMENT IDENTIFIER
1	SHEET NOTE
XX	KITCHEN EQUIPMENT IDENTIFIER

RACEWAY SYMBOLS

Symbol	Description
	CONDUIT IN CEILING OR WALL
	CONDUIT IN FLOOR OR BELOW GRADE
4PN-102/1,3,5	HOME RUN TO BRANCH CIRCUIT PANELBOARD

POWER SYMBOLS

Symbol	Description
48" G WP C	DUPLEX RECEPTACLE XX" = MOUNTING HEIGHT G = GROUND FAULT CIRCUIT INTERRUPTER WP = WEATHERPROOF C = CONTROLLED
	DUPLEX RECEPTACLE SPLIT SWITCHED
	DOUBLE DUPLEX RECEPTACLE SPLIT SWITCHED
	SAFETY DISCONNECT SWITCH (FUSED)
	PANELBOARD
	EQUIPMENT CONNECTION. REFER TO MOTOR AND EQUIPMENT SCHEDULE FOR REQUIREMENTS
T	TRANSFORMER

DIAGRAM SYMBOLS

Symbol	Description
	CIRCUIT BREAKER
GF	GROUND FAULT RELAY
M	METER
	TRANSFORMER
	GROUND
	CURRENT TRANSFORMER

SECURITY SYMBOLS

Symbol	Description
	CAMERA
CR	CARD READER
	DOOR BELL
DC	DOOR CONTACT
EL	ELECTRIC LOCK
MD	MOTION DETECTOR CEILING
	PUSHBUTTON
	KEYPAD

COMMUNICATION SYMBOLS

Symbol	Description
S #	COMM SPEAKER CEILING # INDICATES ZONE CONTROL
VC	VOLUME CONTROL
	2-DROP DATA OUTLET
	TELEPHONE OUTLET
	WIRELESS ACCESS POINT

LIGHTING SYMBOLS

Symbol	Description
$	SINGLE POLE SWITCH
$^3	THREE-WAY SWITCH
$^4	FOUR-WAY SWITCH
^{OS}	OCCUPANCY SENSOR SWITCH
^{DT}	DIGITAL TIMER SWITCH
	EXIT SIGN
	LINEAR FIXTURE
	2X4 LUMINAIRE

ELECTRICAL GENERAL NOTES:

1. PROVIDE CONDUCTORS OPERATING AT 50 VOLTS OR GREATER IN RACEWAY. PROVIDE METAL RACEWAY WITHIN THE STRUCTURE ABOVE THE FLOOR SLAB. PROVDIE PVC RACEWAY BELOW THE FLOOR SLAB AND UNDERGROUND RACEWAY OUTSIDE THE STRUCTURE.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE INSTALLATION OF ELECTRICAL SYSTEMS AND THOSE REQUIRING ELECTRICAL CONNECTIONS TO MAINTAIN NEC REQUIRED CLEARANCES, INCLUDED BY NOT LIMITED TO AREAS ABOVE ACCESSIBLE CEILINGS.
3. COORDINATE WITH OTHER TRADES FOR PROPER INSTALLATION OF EQUIPMENT. CONSULT THE DRAWINGS OF OTHER TRADES OR CRAFTS TO AVOID CONFLICTS WITH EQUIPMENT, ETC. RESOLVE CONFLICTS PRIOR TO ROUGH-IN AND AT NO ADDITIONAL COST TO THE OWNER.
4. LEAVE THE SITE CLEAN AND READY FOR OCCUPANCY. REMOVE DIRT, DEBRIS, EMPTY CARTONS, TOOLS, CONDUIT AND WIRE SCRAPS AND MISCELLANEOUS SPARE EQUIPMENT AND MATERIALS USED IN THIS DIVISION OF THE WORK DURING CONSTRUCTION. COMPONENTS SHALL BE FREE OF DUST, GRIT AND FOREIGN MATERIALS AND LEFT AS NEW BEFORE FINAL ACCEPTANCE OF WORK.
5. PERFORM WORK TO COMPLY WITH THE STANDARD PRACTICES FOR GOOD WORKMANSHIP PUBLISHED BY NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION (NECA). COMPLY WITH THE LATEST ENFORCED EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), LOCAL CODES, AMENDMENTS, AND ORDINANCES.
6. FIELD COORDINATE FINAL MECHANICAL AND EQUIPMENT LOCATIONS ALONG WITH CONNECTION REQUIREMENTS AND CONTROL WIRING PRIOR TO ROUGH-IN.
7. PERFORM ELECTRICAL WORK UNDER THE SUPERVISION OF A LICENSED MASTER ELECTRICIAN. PROCURE PERMITS AND LICENSES AND PAY FEES ASSOCIATED WITH THIS WORK.
8. PROVIDE NEW, COMMERCIAL GRADE MATERIALS FURNISHED FOR THIS PROJECT THAT ARE FREE OF DEFECTS, AND LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY UNO.
9. PROVIDE COMPLETE OPERATION & MAINTENANCE MANUAL INCLUDING APPROVED SUBMITTAL DRAWINGS, WARRANTY INFORMATION FOR PRODUCT SUPPLIED,AND MANUFACTURES OPERATION AND MAINTENANCE INSTRUCTIONS.
10. CONDUIT AND WIRE IS NOT PERMITTED TO BE INSTALLED BELOW FLOOR SLAB UNLESS INDICATED ON PLAN BY DASHED CONDUIT.
11. CONTRACTOR IS RESPONSIBLE FOR WIRING ELECTRICAL ITEMS SHOWN ON DRAWINGS.
12. REFER TO APPENDIX "A" CONSTRUCTION SPECIFICATIONS FOR PRODUCTION OFFICES FOR ADDITIONAL REQUIREMENTS.

ABBREVIATIONS:

1P	1 POLE (2P, 3P, 4P, ETC.)
A	AMPERE
AC	ABOVE COUNTER
ACLG	ABOVE CEILING
ADO	AUTOMATIC DOOR OPENER
AF	AMP FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFI	ARC FAULT CIRCUIT INTERRUPTER
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ALT	ALTERNATE
AMP	AMPERE
AMPL	AMPLIFIER
ANNUN	ANNUNCIATOR
APPROX	APPROXIMATELY
AQ-STAT	AQUASTAT
ARCH	ARCHITECT, ARCHITECTURAL
AS	AMP SWITCH
AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AUX	AUXILIARY
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BATT	BATTERY
BD	BOARD
BLDG	BUILDING
BMS	BUILDING MANAGEMENT SYSTEM
C	CONDUIT
CAB	CABINET
CAT	CATALOG
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
COMB	COMBINATION
CMPR	COMPRESSOR
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUATION OR CONTINUOUS
CONTR	CONTRACTOR
CONV	CONVECTOR
CP	CIRCULATING PUMP
CRT	CATHODE-RAY TUBE
CT	CURRENT TRANSFORMER
CTR	CENTER
CU	COPPER
DCP	DOMESTIC WATER CIRCULATING PUMP
DEPT	DEPARTMENT
DET	DETAIL
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
DN	DOWN
DPR	DAMPER
DS	SAFETY DISCONNECT SWITCH
DT	DOUBLE THROW
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
ELEC	ELECTRIC, ELECTRICAL
ELEV	ELEVATOR
ELU	EMERGENCY LIGHTING UNIT
EM	EMERGENCY
EMS	ENERGY MANAGEMENT SYSTEM
EMT	ELECTRICAL METALLIC TUBING
EP	ELECTRIC PNEUMATIC
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXH	EXHAUST
EXP	EXPLOSION PROOF
FA	FIRE ALARM
FABP	FIRE ALARM BOOSTER POWER
FACP	FIRE ALARM CONTROL PANEL
FCU	FAN COIL UNIT
FIXT	FIXTURE
FLR	FLOOR
FLUOR	FLUORESCENT
FU	FUSE
FUDS	FUSED SAFETY DISCONNECT SWITCH
G	GROUND FAULT CIRCUIT INTERRUPTER
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTOR
GND	GROUND
GRS	GALVANIZED RIGID STEEL (CONDUIT)
GYP BD	GYPSUM BOARD
HOA	HANDS-OFF-AUTOMATIC SWITCH
HORIZ	HORIZONTAL
HP	HORSEPOWER
HPF	HIGH POWER FACTOR
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HV	HIGH VOLTAGE
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
IC	INTERRUPTING CAPACITY
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
INCAND	INCANDESCENT
IR	INFRARED
I/W	INTERLOCK WITH
J-BOX	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT-AMPERE
KVAR	KILOVOLT-AMPERE REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR
LOC	LOCATE OR LOCATION
LT	LIGHT
LTG	LIGHTING
LTNG	LIGHTNING
LV	LOW VOLTAGE
MAX	MAXIMUM
MAG.S	MAGNETIC STARTER
M/C	MOMENTARY CONTACT
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDC	MAIN DISTRIBUTION CENTER
MDP	MAIN DISTRIBUTION PANEL
MFR	MANUFACTURER
MFS	MAIN FUSED DISCONNECT SW
MH	MANHOLE
MIC	MICROPHONE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MMS	MANUAL MOTOR STARTER
MOA	MULTIOUTLET ASSEMBLY
MSP	MOTOR STARTER PANELBOARD
MSBD	MAIN SWITCHBOARD
MT	MOUNT
MT.C	EMPTY CONDUIT
MTS	MANUAL TRANSFER SWITCH
MTR	MOTOR, MOTORIZED
N.C.	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NFDS	NON-FUSED SAFETY DISCONNECT SWITCH
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
N.O.	NORMALLY OPEN
NPF	NORMAL POWER FACTOR
NTS	NOT TO SCALE
OH	OVERHEAD
OL	OVERLOADS
PA	PUBLIC ADDRESS
PB	PULL BOX OR PUSHBUTTON
PE	PNEUMATIC ELECTRIC
PED	PEDESTAL
PF	POWER FACTOR
PH	PHASE
PIV	POST INDICATING VALVE
PNL	PANEL
PP	POWER POLE
PR	PAIR
PRI	PRIMARY
PROJ	PROJECTION
PRV	POWER ROOF VENTILATOR
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE (CONDUIT)
PWR	POWER
QUAN	QUANTITY
RCPT	RECEPTACLE
REQD	REQUIRED
RM	ROOM
RSC	RIGID STEEL CONDUIT
RTU	ROOF TOP UNIT
SC	SURFACE CONDUIT
SEC	SECONDARY
SHT	SHEET
SIM	SIMILAR
S/N	SOLID NEUTRAL
SPEC	SPECIFICATION
SPKR	SPEAKER
SP	SPARE
SR	SURFACE RACEWAY
SS	STAINLESS STEEL
SSW	SELECTOR SWITCH
S/S	STOP/START PUSHBUTTONS
STA	STATION
STD	STANDARD
SURF	SURFACE MOUNTED
SW	SWITCH
SWBD	SWITCHBOARD
SYM	SYMMETRICAL
SYS	SYSTEM
TEL	TELEPHONE
TEL/DATA	TELEPHONE/DATA
TERM	TERMINAL
TL	TWIST LOCK
TR	TAMPER RESISTANT
T-STAT	THERMOSTAT
TTC	TELEPHONE TERMINAL CABINET
TV	TELEVISION
TVTC	TELEVISION TERMINAL CABINET
TYP	TYPICAL
UC	UNDER COUNTER
UE	UNDERGROUND ELECTRICAL
UG	UNDERGROUND
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
UT	UNDERGROUND TELEPHONE
UTIL	UTILITY
UV	ULTRAVIOLET
V	VOLT
VA	VOLT-AMPERES
VDT	VIDEO DISPLAY TERMINAL
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
W	WATT
W/	WITH
WG	WIRE GUARD
WH	WATER HEATER
W/O	WITHOUT
WP	WEATHERPROOF
XFMR	TRANSFORMER
XFR	TRANSFER
∠	ANGLE
@	AT
▲	DELTA
'	FEET
"	INCHES
#	NUMBER
Ø	PHASE
C	CENTER LINE
P	PLATE

BURGESS DESIGN
INTERIORS + ARCHITECTURE
1326 5th Ave Suite 400 Seattle WA | 206.587.7120

Tenant:
PROLOGIS
PUYALLUP 1
1601 INDUSTRIAL PARK #100
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Professional seal

No.	Issue Description	Date
	PERMIT SET	03.10.23

City Electronic Stamp Location

CLIENT APPROVAL DATE

City Electronic Stamp Location

Drawn by: NS Project Manager: BP

Project No: 22.0243.00

ELECTRICAL SYMBOLS & ABBREVIATIONS

Original drawing is 30" x 42". Scale entities accordingly if reduced

E0.1

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

SPECIFICATIONS

260500 COMMON WORK RESULTS FOR ELECTRICAL

A. SCOPE OF WORK

1. COMPLY WITH THE GENERAL CONDITIONS OF THIS CONTRACT. THE REQUIREMENTS OF THIS SPECIFICATION ARE IN ADDITION TO THE REQUIREMENTS OF THE GENERAL CONDITIONS.
2. UNLESS OTHERWISE NOTED, PROVIDE DEMOLITION OF EXISTING POWER RECEPTACLES, LIGHT FIXTURES, RACEWAYS, WIRING, VOICE/DATA OUTLETS AND VOICE/DATA CABLING. DEMOLISH FIRE ALARM DEVICES AND WIRING WHERE IN CONFLICT WITH NEW WORK.
3. PROVIDE ALL LABOR AND MATERIAL NECESSARY TO ACCOMPLISH THE WORK SPECIFIED HEREIN AND AS SHOW ON THE DRAWINGS.
4. COORDINATE WORK WITH ALL OTHER TRADES.
5. VISIT THE SITE AND VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID.
6. REMOVE ALL WASTE AND RUBBISH FROM THE SITE ON A DAILY BASIS.

B. WARRANTY: WORKMANSHIP AND MATERIALS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BUY THE OWNER. PROVIDE ADDITIONAL WARRANTY FOR VOICE/DATA SYSTEM AS NOTED ELSEWHERE.

C. REGULATIONS.

1. ELECTRICAL WORK SHALL COMPLY WITH THE FOLLOWING CODES AS PRESENTLY APPLICABLE:
   a. 2020 NATIONAL ELECTRIC CODE (NEC)
   b. LOCAL AND STATE CODES AND REGULATIONS
2. PERMITS: OBTAIN AND PAY FOR ALL REQUIRED PERMITS.

D. SUBMITTAL AND SHOP DRAWINGS: PRIOR TO INSTALLATION, SUBMIT CATALOG DATA FOR ALL EQUIPMENT AND MATERIALS FOR REVIEW. SUBMIT SHOP DRAWINGS SHOWING COMPLETE TERMINAL-TO-TERMINAL WIRING FOR EACH SIGNAL AND COMMUNICATION SYSTEM.

E. OPERATIONS AND MAINTENANCE MANUALS: PROVIDE MAINTENANCE AND OPERATIONS DATA FOR ALL ELECTRICAL EQUIPMENT AND SIGNAL AND COMMUNICATIONS SYSTEMS.

F. RECORD DRAWINGS: CORRECTIONS AND CHANGES MADE DURING THE PROGRESS OF THE WORK SHALL BE NEATLY RECORDED AS ACTUALLY INSTALLED FOR AS-BUILT RECORDS. SUBMIT TO THE ARCHITECT UPON PROJECT COMPLETION.

G. CERTIFICATES OF INSPECTION: SUBMIT SIGNED-OFF PERMITS FROM THE CODE ENFORCING AGENCIES TO THE OWNER UPON PROJECT COMPLETION.

H. PRODUCT LISTING OR LABELING: ALL ELECTRICAL EQUIPMENT SHALL BE LISTED AND LABELED BY UNDERWRITERS LABORATORIES INC.

I. MATERIAL AND EQUIPMENT: ALL MATERIALS AND EQUIPMENT SHALL BE NEW UNLESS NOTED OTHERWISE. PROTECT ALL MATERIALS AND EQUIPMENT FROM DAMAGE OF CORROSION.

J. CUTTING AND PATCHING: PROVIDE ALL REQUIRED CUTTING AND PATCHING FOR THE ELECTRICAL WORK.

K. EXISTING CONDITIONS:

1. GENERAL: SPECIFIC SCOPE OF DEMOLITION WORK AND OPERATING CONDITIONS TO BE ENCOUNTERED SHALL BE VERIFIED BY ON-SITE REVIEW PRIOR TO SUBMITTING BIG. DEMOLITION WORK IN GENERAL IS NOTED OR SHOWN ON THE DOCUMENTS BASED UPON AVAILABLE DRAWINGS OF RECORD AND MAY NOT SHOW THE ACTUAL CONDITIONS AS THEY PRESENTLY EXIST.
2. OWNER-RETAINED EQUIPMENT: THE OWNER MAY WISH TO RETAIN CERTAIN SPECIFIC ITEMS SCHEDULED FOR DEMOLITION. THE CONTRACTOR SHALL CAREFULLY REMOVE THESE ITEMS, PROVIDE PROTECTION AND PACKAGING AS MAY BE REQUIRED TO PROTECT THE EQUIPMENT AND TURN OVER SOLD EQUIPMENT TO THE OWNER AT A PLACE DESIGNATED ON THE JOBSITE. ANY EQUIPMENT THAT THE OWNER DOES NOT DESIRE TO RETAIN SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE REMOVED FROM THE SITE.
3. UNUSED CONDUIT AND WIRING: ALL UNUSED CONDUCTORS RESULTING FROM THIS PROJECT SHALL BE REMOVED. ALL UNUSED CONDUIT SHALL BE REMOVED EXCEPT WHERE LOCATED IN OR ABOVE EXISTING CONSTRUCTION WHICH IS NOT BEING ALTERED AND WOULD REQUIRE REMOVAL AND REPLACEMENT OF THE EXISTING CONSTRUCTION.
4. EXISTING RACEWAYS: PROPERLY SUPPORT ALL EXISTING RACEWAYS ABOVE SUSPENDED CEILINGS WHERE WORK IS TAKING PLACE. VERIFY EXTENT OF WORK PRIOR TO SUBMITTING BID.

L. CONTINUITY OF SERVICE: PERMANENTLY REROUTE OR RELOCATE EXISTING WIRING AND/OR EQUIPMENT WHICH IS IN CONFLICT WITH EXISTING BUILDING ALTERATIONS AND WHICH IS REQUIRED TO BE MAINTAINED IN USE.

M. REMOVAL AND REPLACEMENT OF EXISTING ACCESSIBLE CEILING PANELS, LIGHTING FIXTURES AND SPEAKERS: REMOVE AND REINSTALL ALL NECESSARY CEILING PANELS, LIGHTING FIXTURES, SPEAKERS AND OTHER EXISTING EQUIPMENT AND EXISTING ACCESSIBLE CEILINGS AS REQUIRED TO INSTALL THE ELECTRICAL WORK.

N. ANCHORAGE AND BRACING: PROVIDE COMPLETE SEISMIC ANCHORAGE AND BRACING FOR THE LATERAL AND VERTICAL SUPPORT OF CONDUIT AND ELECTRICAL EQUIPMENT AS REQUIRED BY THE INTERNATIONAL BUILDING CODE.

O. FIRE STOPPING: PROVIDE FIRE STOPPING FOR ALL PENETRATION AND RATED WALLS, CEILING AND FLOORS.

P. INSTRUCTION: CONTRACTOR SHALL INSTRUCT THE OWNER AND THE USE AND OPERATION OF ALL SYSTEMS INSTALLED UNDER THE SCOPE OF THIS CONTRACT.

Q. OWNER FURNISHED EQUIPMENT: PROVIDE COMPLETE ELECTRICAL SERVICE AND CONNECTION TO ALL OWNER-FURNISHED EQUIPMENT.

260519 CONDUCTORS AND CABLES

A. WIRE AND CABLE:

1. BRANCH CIRCUITS: TYPE THHN OR THWN, 600-VOLT INSULATION, STRANDED COPPER CONDUCTOR, MINIMUM CONDUCTOR SIZE:
   a. NEUTRAL: #12 AWG
   b. GROUND: #12 AWG
   c. PHASE CONDUCTORS (MORE THAN SIX IN A RACEWAY): #10 AWG
   d. PHASE CONDUCTORS (SIX OR LESS IN A RACEWAY): #12
2. FEEDERS: FEEDERS SHALL BE SIZED AS SHOWN ON THE DRAWINGS AND COLOR-CODED IN ACCORDANCE WITH LIST BELOW.
3. COLOR CODE WIRE IN ACCORDANCE WITH THE CODING SHOWN BELOW. POWER SYSTEMS CONDUCTORS ARE IDENTIFIED AS FOLLOWS.
   e. 208Y/120V: PHASE A BLACK, PHASE B RED, PHASE C BLUE, NEUTRAL WHITE
   f. 480Y/277V: PHASE A BROWN, PHASE B ORANGE, PHASE C YELLOW, NEUTRAL GRAY
   g. GROUND GREEN
   h. TRAVELERS: YELLOW (FOR 3- AND 4-WAY SWITCHING)
   i. CONTROLS: BLACK WITH WIRE NUMBERS ON EACH CONDUCTOR.
4. SPLICES AND TERMINATIONS: LIGHTING AND RECEPTACLE BRANCH CIRCUIT CONDUCTORS UP TO NO 10 AWG SHALL BE SPLICED WITH WING NUT TYPE CONNECTORS.

260526 GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS

A. GENERAL: PROVIDE THROUGH THE ENTIRE ELECTRICAL SYSTEM. A SPERATE GREEN EQUIPMENT GROUNDING CONDUCTOR SHALL BE PROVIDED IN ALL LIGHTING AND POWER RACEWAYS.

B. BONDING: INSULATED GROUNDING BUSHINGS SHALL BE INSTALLED TO BOND ALL FEEDER CONDUITS TO THE SWITCHBOARD GROUND BUS OR PANEL GROUND BUS AT BOTH ENDS OF FEEDER RACEWAYS. INSULATED GROUNDING BUSHINGS SHALL BE INSTALLED TO BOND ALL FEEDER CONDUITS TO THE GROUND BUS OR PANEL ENCLOSURES AT BOTH ENDS OF THE RUNS.

C. NEUTRAL GROUNDING: THE NEUTRAL POINT OF ALL TRANSFORMERS SHALL BE SOLIDLY GROUNDED TO THE GROUNDING SYSTEM AND TRANSFORMER ENCLOSURE WITH CODE SIZE GROUND CONDUCTORS. THE NEUTRAL BUS IN EACH PANELBOARD SHALL BE ISOLATED FROM THE GROUND. THE NEUTRAL SHALL BE GROUNDED ONLY AT A SINGLE POINT AT THE MAIN SWITCHBOARD OR AT SEPARATELY DERIVED SYSTEM TRANSFORMERS.

D. RECEPTACLE GROUNDING: CONNECT THE GROUND TERMINAL OF ALL RECEPTACLES BY UTILIZING A SEPARATE GROUNDING CONDUCTOR BETWEEN THE RECEPTACLE GROUNDING SCREW AND THE GROUNDING CONDUCTOR PROVIDED IN THE BRANCH CIRCUIT. INTEGRAL MOUNTING STRAPS WITHIN THE RECEPTACLE CONNECTED TO THE DEVICE MOUNTING STRAPS ARE NOT APPROVED AS A GROUNDING METHOD.

E. FLEXIBLE CONDUIT GROUNDING: PROVIDE A SEPARATE GROUNDING CONDUCTOR IN ALL FLEXIBLE CONDUIT RUNS INCLUDING WATERTIGHT FLEXIBLE CONDUIT WITH INTEGRAL GROUNDING STRAPS. INSTALL GROUND CONDUCTOR INSIDE CONDUIT WITH UNGROUNDED CONDUCTORS.

F. GROUND CONNECTIONS: GROUND CONNECTIONS TO BUILDING STEEL, GROUND RODS AND CABLE TOPS SHALL UTILIZE AN EXOTHERMIC WELDING PROCESS. CADWELD, ERICO PRODUCTS, INC. OR APPROVED EQUAL.

260533 RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS

A. RACEWAYS

1. ELECTRICAL METALLIC TUBING (EMT): STEEL-SCREW TYPE.
2. RIGID METAL CONDUIT (RMC): GALVANIZED STEEL.
3. FLEXIBLE METALLIC CONDUIT (FMC): GALVANIZED STEEL, SECURELY INTERLOCKED.

B. FITTINGS

1. ELECTRICAL METALLIC TUBING (EMT) AND RIGID METAL CONDUIT (RMC): STEEL-SCREW TYPE. FITTINGS TWO INCHES AND LARGER SHALL CONTAIN DUAL SET-SCREWS ON EACH SIDE OF THE COUPLING.
2. FLEXIBLE METALLIC CONDUIT (FMC): STEEL, ONE- OR TWO-SCREW CLAMP TYPE.
3. CONDUIT STRAPS: HEAVY DUTY, TWO-HOLE PRESSED STEEL.
4. OUTLET AND DEVICE BOXES:
   a. INTERIOR SURFACE-MOUNTED IN UNFINISHED AREAS: ONE-PIECE PRESSED STEEL. ELECTRO-GALVANIZED, SIZE AND DEPTH REQUIRED BY CODE, EXCEPT 4-INCH SQUARE OR 4-INCH OCTAGONAL MINIMUM.
   b. INTERIOR FLUSH-MOUNTED: SAME AS ABOVE EXCEPT PROVED PLASTER RING EXTENSION TO FINISHED SURFACE.
5. JUNCTION AND PULL BOXES FOR INTERIOR AREAS: STEEL, SCREW COVER, CODE GAUGE AND SIZE. LARGE JUNCTION AND PULL BOXES SHALL BE FABRICATED SHEET STEEL WITH BAKED ENAMEL FINISH AND RETURN FLANGE WITH SCREW RETAINED COVER.

C. EXECUTION

1. GENERAL:
   a. COORDINATION: THE CONTRACTOR SHALL REVIEW ALL DRAWINGS, DETAILS, AND ELEVATIONS PRIOR TO ROUGH-IN. WHERE EQUIPMENT IS FURNISHED BY OTHERS, THE CONTRACTOR SHALL REVIEW ALL DRAWINGS, DETAILS AND ELEVATIONS PRIOR TO ROUGH-IN. WHERE EQUIPMENT IS FURNISHED BY OTHERS, THE CONTRACTOR SHALL ASCERTAIN THE PROPER VOLTAGE, LOAD AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.
   b. MATERIALS: ALL MATERIALS OF A SPECIFIC TYPE SHALL BE PROVIDED BY THE SAME MANUFACTURER THROUGHOUT THE PROJECT.
2. RACEWAYS: INSTALL RACEWAY TYPES AND SIZES AS LISTED BELOW;
   a. ELECTRICAL METALLIC TUBING (EMT) AND RIGID METAL CONDUIT (RMC): ALL INTERIOR AREAS. MAY BE USED FOR FEEDERS WITH INTEGRAL GREEN GROUND CONDUCTOR.
   b. FLEXIBLE METALLIC CONDUIT: RECESSED FIXTURE CONNECTIONS, INTERIOR CONCEALED EQUIPMENT CONNECTIONS, EXPANSION JOINTS AND SOUND CONTROL. NOT TO BE USED FOR EXPOSED INSTALLATIONS WITHIN THE FINISHED AREAS OF THE BUILDING.
   c. MINIMUM RACEWAY SHALL BE INCH, EXCEPT FOR RACEWAYS WITH NO MORE THAN THREE #12 AWG CONDUCTORS WHICH MAY BE 1/2 INCH.

D. INSTALLATION:

1. CONCEALMENT: ALL RACEWAYS SHALL BE CONCEALED IN FINISHED AREAS. WHERE EXISTING WALL SURFACES ARE INACCESSIBLE, SURFACE METAL RACEWAYS FOR THESE EXCEPTIONS MAY BE PROVIDED WHEN APPROVED.
2. EXPOSED RACEWAYS. INSTALL EXPOSED RACEWAYS AS HIGH AS POSSIBLE, ABOVE DUCTWORK, PARALLEL OR AT RIGHT ANGLES TO BUILDING LINES.
3. EXPANSION AND EARTHQUAKE JOINTS. RACEWAYS SHALL NOT BE INSTALLED IN CONCRETE SLAB OR WALL CONSTRUCTION WHEN PASSING THROUGH ON EXPANSION OR EARTHQUAKE JOINT.
4. ROUTING: ALL RACEWAYS SHALL BE INSTALLED PARALLEL OR AT RIGHT ANGLES TO THE BUILDING CONSTRUCTION UNLESS PROHIBITED BY A PHYSICAL OBSTRUCTION.
5. RACEWAY SUPPORTS: RACEWAYS SHALL BE SUPPORTED WITH HEAVY-DUTY, ONE-HOLE, PRESSED STEEL STRAPS ON INTERIOR SURFACES. SUPPORT PENDANT-MOUNTED RACEWAYS ON 3/8-INCH ROD WITH PEAR-SHAPED HANGER OR TRAPEZE-TYPE HANGER WITH 3/8-INCH ROD (MINIMUM) AND 1-5/8-INCH SQUARE PREFORMED CHANNEL AND PIPE CLAMPS. PARALLEL, SURFACE-MOUNTED RACEWAYS SHALL BE SUPPORTED FROM 1-5/8-INCH SQUARE PREFORMED CHANNEL AND PIPE CLAMPS. ALL FITTINGS AND SUPPORTS SHALL BE HOT-DIP GALVANIZED IN EXTERIOR AREAS.
6. INDEPENDENT SUPPORT: CONDUITS SHALL NOT BE SUPPORTED FROM THE CEILING SUSPENSION SYSTEM. DUCTS, PIPES OR OTHER SYSTEMS FOREIGN TO THE ELECTRICAL INSTALLATION. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE KEPT INDEPENDENT FROM ANY OTHER TRADE.
7. PULL BOXES WITH COVERS: SHALL BE PROVIDED AS SHOWN ON THE DRAWINGS OR AS REQUIRED BY CODE. ALL PULL BOXES SHALL BE LOCATED SO AS TO BE ACCESSIBLE.
8. FLEXIBLE CONDUIT: SHALL BE USED ONLY FOR LIGHTING FIXTURE PIGTAILS IN ACCESSIBLE CEILINGS, FLUSH-MOUNTED SPEAKER PIGTAILS IN ACCESSIBLE CEILINGS, SOUND CONTROL, MOTOR CONNECTIONS AND AT BUILDING EXPANSION JOINTS AS SPECIFIED. ANY OTHER PROPOSED USE OF FLEXIBLE CONDUIT MUST BE APPROVED PRIOR TO INSTALLATION.
9. EMPTY RACEWAYS: PROVIDE A NYLON PULL STRING IN ALL EMPTY RACEWAYS.
10. BOXES AND FITTINGS:
   a. GENERAL: BOXES SHALL BE SUPPORTED SECURELY AND INDEPENDENTLY. MOUNT BOXES ON BUILDING SURFACES OR SUPPORT WITH TRAPEZE HANGER AS DESCRIBED IN RACEWAY INSTALLATION. JUNCTION BOXES SHALL NOT BE USED UNLESS THE NUMBER OF BENDS, PULLING LENGTH, OR CIRCUIT REQUIREMENTS NECESSITATES THEIR INSTALLATION. JUNCTION OR PULL BOX OPENINGS MUST BE ACCESSIBLE.
   b. SOUND CONTROL: WHERE BOXES ARE MOUNTED IN A COMMON WALL, THEY SHALL WHEREVER POSSIBLE, BE OFFSET HORIZONTALLY SO THAT THEY ARE NOT MOUNTED BACK-TO-BACK. CONNECT OFFSET BOXES WITH FLEXIBLE CONDUIT NOT TO EXCEED 18 INCHES IN LENGTH.

260553 IDENTIFICATION FOR ELECTRICAL SYSTEMS

A. GENERAL: LABEL ALL JUNCTION BOXES, TERMINAL CABINETS, ETC. WITH THE CIRCUIT NUMBER OR LOW-VOLTAGE SYSTEM CONTAINED WITHIN.

B. EQUIPMENT NAMEPLATES: SHALL BE ENGRAVED IN 1/16 INCH THICK PHENOLIC LETTERS A MINIMUM OF 3/16 INCH HIGH. COLORING SHALL BE WHITE LETTERS ON A BLACK BACKGROUND.

262726 WIRING DEVICES

A. WIRING DEVICES

1. COLOR OF SWITCH HANDLES: WHITE IN COLOR.
2. RECEPTACLE FACES: WHITE IN COLOR.

B. RECEPTACLES

1. DUPLEX RECEPTACLES: COMMERCIAL-GRADE, 20 AMPERE, 125-VOLT, GROUND TYPE.
2. DOUBLE DUPLEX RECEPTACLES: COMMERCIAL-GRADE, 20-AMPERE, 125-VOLT, GROUNDED TYPE.
3. GROUND FAULT INTERRUPTION RECEPTACLE: COMMERCIAL-GRADE 20-AMPERE, 120-VOLT, CLASS A, 5-MILLIAMPERE SENSITIVITY. PROVIDE LOCKABLE WEATHERPROOF METAL COVER FOR ALL EXTERIOR MOUNTED RECEPTACLES.

B. SWITCHES

1. SINGLE-POLE SWITCHES: COMMERCIAL-GRADE, 20 AMPERE, 125-VOLT.
2. DEVICE PLATES: STAINLESS STEEL.

C. EXECUTION

1. GENERAL: INSTALL DEVICES LEVEL, PLUMB AND SQUARE WITH BUILDING LINES.
2. RECEPTACLE MOUNTING HEIGHT: +18 TO THE CENTERLINE OF THE BOX UNLESS OTHERWISE NOTED.
3. SWITCHES: +48 TO THE CENTERLINE OF THE BOX.

262416 PANELBOARDS

A. EXISTING MANUFACTURERS: SQUARE D, EATON.

B. BOLT-ON MOLDED CASE THERMAL MAGNETIC TYPE CIRCUIT BREAKERS HAVING A MINIMUM INTERRUPTING RATING MATCHING THE EXISTING PANELBOARD INTERRUPTING RATING..

C. PROVIDE UPDATED TYPED PANEL SCHEDULE FOR EACH REVISED PANELBOARD.

262816 ENCLOSED SWITCHES AND CIRCUIT BREAKERS

A. APPROVED MANUFACTURERS: SQUARE D, GENERAL ELECTRIC, EATON, OR SIEMENS.

B. SINGLE-PHASE MOTOR: MOTORS 1/3 HP OR LESS PROVIDE WITH TOGGLE-TYPE, 20-AMP, 120-VOLT RATING, SPECIFICATION-GRADE DISCONNECT SWITCHES.

C. THREE-PHASE MOTOR: MOTORS 1/2 HP AND LARGER PROVIDE WITH AMP AND VOLTAGE RATING AS REQUIRED, SPECIFICATION-GRADE DISCONNECT SWITCHES. NEMA RATED PER ENVIRONMENT.

D. EQUIPMENT DISCONNECTS: SHALL BE FUSED OR NONFUSED AS REQUIRED BY THE EQUIPMENT MANUFACTURER, RATED AT 125 PERCENT OF FULL LOAD NAMEPLATE AMPERAGE OR RATED HORSEPOWER, HEAVY-DUTY TYPE.

E. DISCONNECTS: PROVIDE DISCONNECTS AT ALL MOTORS AND OTHER EQUIPMENT ITEMS UNLESS THE EQUIPMENT HAS A SELF-CONTAINED, CODE APPROVED DISCONNECTING METHOD. EQUIPMENT DISCONNECTS SHALL BE FUSED OR NON-FUSED AS REQUIRED BY THE EQUIPMENT MANUFACTURER.

262813 FUSES

A. MANUFACTURERS: BUSSMAN, FERREZ SHAWMUT.

B. FUSES: PROVIDE 200,000 AIC, CURRENT LIMITING, UL TIME DELAY FUSES AS FOLLOWS:

1. FEEDERS 600 AMPS AND LESS: CLASS RK-1, LPN-RK FOR 250-VOLT, DUAL ELEMENT, CLASS RK-1, LPS-RK FOR 600 VOLTS, DUAL ELEMENT.
2. MOTOR CIRCUIT 600 VOLTS AND BELOW: CLASS RK-1 OR CLASS J SIZED AT 125 PERCENT FLA OF MOTOR.

C. MOTOR CONTROLS

1. APPROVED MANUFACTURERS: SQUARE D, GENERAL ELECTRIC, EATON, OR SIEMENS.
2. MANUAL STARTERS: TOGGLE TYPE, LOCKABLE IN THE OFF POSITION, OVERLOAD PROTECTION, PILOT LIGHT AND NEMA 1 ENCLOSURE.

D. MOTOR CONTROLS AND EQUIPMENT CONNECTIONS:

1. GENERAL: PROVIDE ALL LINE VOLTAGE WIRING AND CONNECTIONS TO EQUIPMENT AND MOTORS AS SHOWN ON THE PLANS, DIAGRAMS OR SPECIFIED HEREIN. OBTAIN ALL NECESSARY ELECTRICAL AND PHYSICAL INFORMATION FROM THE TRADE PROVIDING THE EQUIPMENT, PRIOR TO ROUGH IN AND ADJUST INSTALLATION REQUIREMENTS AS NECESSARY FOR A COMPETE AND OPERABLE SYSTEM.
2. MOTOR CONTROLS, SEPARATELY MOUNTED: PROVIDE SEPARATELY MOUNTED MOTOR STARTING EQUIPMENT AS SHOWN OR NOTED. COORDINATE LOCATION AND INTERLOCKING WITH TEMPERATURE CONTROLS CONTRACTOR. VERIFY MOTOR HORSEPOWER SIZE OR FULL-LOAD AMPERAGE PRIOR TO ORDERING OVERLOAD HEATERS AND SIZE UNITS IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.

END OF ELECTRICAL SPECIFICATIONS

B
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No.	Issue Description	Date
	PERMIT SET	03.10.23

City Electronic Stamp Location

CLIENT APPROVAL DATE

City Electronic Stamp Location

Drawn by: NS Project Manager: BP

Project No: 22.0243.00

ELECTRICAL SPECIFICATIONS

Original drawing is 30" x 42". Scale entities accordingly if reduced

E0.2

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

MOTOR EQUIPMENT AND WIRING SCHEDULE

ID	DESCRIPTION	LOAD (kVA)	LOAD (HP)	VOLT	PH	CIRCUIT INFORMATION: PANEL	NO.	CONDUIT & WIRE SIZE	STARTER: FURNISH	INSTALL	DISCONNECT: SIZE	FUSE	FURNISH	REMARKS
RTU-1	ROOFTOP UNIT	40.74 kVA	0.00 HP	480 V	3	H-D10	32,34,36	1"C, 3#6, 1#10 EGC	-	-	60 A	*	DIV. 26	
ERV-1	ENERGY RECOVERY VENTILATOR	1.06 kVA	0.00 HP	208 V	1	L-D101	1,3	3/4"C, 2#12, 1#12 EGC	-	-	30 A	-	DIV. 26	
EDC-1	ELECTRIC DUCT COIL	2.50 kVA	0.00 HP	208 V	1	L-D101	5,7	3/4"C, 2#12, 1#12 EGC	-	-	30 A	-	DIV. 26	

* SIZE FUSES PER MANUFACTURER'S RECOMMENDATIONS.

PANEL: H-D10

EXISTING

LOCATION: BREAK RM 122 — MANUFACTURER: EATON — VOLTAGE: 480Y/277V — AIC RATING: 14K
SUPPLY FROM: MDP — CAT. # PRL2A — PHASES: 3 — MAINS TYPE: MAIN LUGS ONLY
MOUNTING: SURFACE — WIRES: 4 — MAINS RATING: 400A
NEMA RATING: TYPE 1 — NEUTRAL RATING: 100%
BUSSING: CU

CCT	CIRCUIT DESCRIPTION	RATING	POLES	A (kVA)		B (kVA)		C (kVA)		POLES	RATING	CIRCUIT DESCRIPTION	CCT
1	TRANSFORMER L-D101/L-D102	90 A	3	0.00	0.00					1	20 A	OFFICE LIGHTS	2
3	-	-	-			0.00	0.00			1	20 A	OFFICE LIGHTS	4
5	-	-	-					0.00	0.00	1	20 A	OFFICE LIGHTS	6
7	IDX RTU-3	30 A	3	0.00	0.00					1	20 A	OFFICE LIGHTS	8
9	-	-	-			0.00	0.00			1	20 A	OFFICE LIGHTS	10
11	-	-	-					0.00	0.00	1	20 A	OFFICE LIGHTS	12
13	IDX RTU-4	30 A	3	0.00	0.00					3	30 A	UNLABELED	14
15	-	-	-			0.00	0.00			-	-	-	16
17	-	-	-					0.00	0.00	-	-	-	18
19	SHOP LIGHTS	20 A	1	0.00	0.00					3	50 A	UNLABELED	20
21	SHOP LIGHTS	20 A	1			0.00	0.00			-	-	-	22
23	SHOP LIGHTS	20 A	1					0.00	0.00	-	-	-	24
25	SHOP LIGHTS	20 A	1	0.00	0.00					3	50 A	UNLABELED	26
27	SHOP LIGHTS	20 A	1			0.00	0.00			-	-	-	28
29	SHOP LIGHTS	20 A	1					0.00	0.00	-	-	-	30
31	SHOP LIGHTS	20 A	1	0.00	17.74					3	80 A	IDX RTU-2	32
33	SHOP LIGHTS	20 A	1			0.00	17.74			-	-	-	34
35	SHOP LIGHTS	20 A	1					0.00	17.74	-	-	-	36
37	SPACE	-	-	0.00	0.00					-	-	SPACE	38
39	SPACE	-	-			0.00	0.00			-	-	SPACE	40
41	SPACE	-	-					0.00	0.00	-	-	SPACE	42
			TOTAL LOAD:	17.74 kVA		17.74 kVA		17.74 kVA					
			TOTAL AMPS:	64.00 A		64.00 A		64.00 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
LIGHTING (125%)	0.00 kVA	125%	0.00 kVA		
RECEPTACLES (<10kVA @ 100%)	0.00 kVA	100%	0.00 kVA	TOTAL CONN. (kVA):	53.21 kVA
RECEPTACLES (>10KVA @ 50%)	0.00 kVA	50%	0.00 kVA	TOTAL EST. DEMAND (kVA):	66.51 kVA
LARGEST MOTOR	53.21 kVA	125%	66.51 kVA	TOTAL CONN. (A):	64.03 A
MOTORS	0.00 kVA	100%	0.00 kVA	TOTAL EST. DEMAND (A):	80.04 A
KITCHEN EQUIPMENT	0.00 kVA	100%	0.00 kVA		
MISCELLANEOUS	0.00 kVA	100%	0.00 kVA		

NOTES:

PANEL: H-D10

REVISED

LOCATION: BREAK RM 122 — MANUFACTURER: EATON — VOLTAGE: 480Y/277V — AIC RATING: 14K
SUPPLY FROM: MDP — CAT. # PRL2A — PHASES: 3 — MAINS TYPE: MAIN LUGS ONLY
MOUNTING: SURFACE — WIRES: 4 — MAINS RATING: 400A
NEMA RATING: TYPE 1 — NEUTRAL RATING: 100%
BUSSING: CU

CCT	CIRCUIT DESCRIPTION	RATING	POLES	A (kVA)		B (kVA)		C (kVA)		POLES	RATING	CIRCUIT DESCRIPTION	CCT
1	TRANSFORMER L-D101/L-D102 (NOTE 1)	90 A	3	1.16	0.00					1	20 A	OFFICE LIGHTS	2
3	-	-	-			0.89	0.00			1	20 A	OFFICE LIGHTS	4
5	-	-	-					1.52	0.00	1	20 A	OFFICE LIGHTS	6
7	IDX RTU-3	30 A	3	0.00	0.00					1	20 A	OFFICE LIGHTS	8
9	-	-	-			0.00	0.00			1	20 A	OFFICE LIGHTS	10
11	-	-	-					0.00	0.00	1	20 A	OFFICE LIGHTS	12
13	IDX RTU-4	30 A	3	0.00	0.00					3	30 A	UNLABELED	14
15	-	-	-			0.00	0.00			-	-	-	16
17	-	-	-					0.00	0.00	-	-	-	18
19	SHOP LIGHTS	20 A	1	0.00	0.00					3	50 A	UNLABELED	20
21	SHOP LIGHTS	20 A	1			0.00	0.00			-	-	-	22
23	SHOP LIGHTS	20 A	1					0.00	0.00	-	-	-	24
25	SHOP LIGHTS	20 A	1	0.00	0.00					3	50 A	UNLABELED	26
27	SHOP LIGHTS	20 A	1			0.00	0.00			-	-	-	28
29	SHOP LIGHTS	20 A	1					0.00	0.00	-	-	-	30
31	SHOP LIGHTS	20 A	1	0.00	13.58					3	50 A	RTU-1 (NOTE 3)	32
33	SHOP LIGHTS	20 A	1			0.00	13.58			-	-	-	34
35	SHOP LIGHTS	20 A	1					0.00	13.58	-	-	-	36
37	WAREHOUSE LIGHTS (NOTE 2)	20 A	1	1.80	0.00					-	-	SPACE	38
39	SPACE	-	-			0.00	0.00			-	-	SPACE	40
41	SPACE	-	-					0.00	0.00	-	-	SPACE	42
			TOTAL LOAD:	16.54 kVA		14.47 kVA		15.10 kVA					
			TOTAL AMPS:	59.67 A		52.21 A		54.47 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
LIGHTING (125%)	1.80 kVA	125%	2.25 kVA		
RECEPTACLES (<10kVA @ 100%)	0.00 kVA	100%	0.00 kVA	TOTAL CONN. (kVA):	46.10 kVA
RECEPTACLES (>10KVA @ 50%)	0.00 kVA	50%	0.00 kVA	TOTAL EST. DEMAND (kVA):	56.74 kVA
LARGEST MOTOR	40.74 kVA	125%	50.93 kVA	TOTAL CONN. (A):	55.48 A
MOTORS	0.00 kVA	100%	0.00 kVA	TOTAL EST. DEMAND (A):	68.27 A
KITCHEN EQUIPMENT	0.00 kVA	100%	0.00 kVA		
MISCELLANEOUS	3.56 kVA	100%	3.56 kVA		

NOTES:
1. REVISED LOAD.
2. REVISED CIRCUIT. PROVIDE NEW 20A/1P BREAKER.
3. REVISED CIRCUIT. REMOVE EXISTING 80A/3P BREAKER AND PROVIDE NEW 50A/3P.

PANEL: L-D101

EXISTING

LOCATION: BREAK RM 122 — MANUFACTURER: — VOLTAGE: 208Y/120V — AIC RATING: 10K
SUPPLY FROM: H-D10 — CAT. # — PHASES: 3 — MAINS TYPE: MAIN CIRCUIT BREAKER
MOUNTING: SURFACE — WIRES: 4 — MAINS RATING: 200A
NEMA RATING: TYPE 1 — NEUTRAL RATING: 100%
BUSSING: CU

CCT	CIRCUIT DESCRIPTION	RATING	POLES	A (kVA)		B (kVA)		C (kVA)		POLES	RATING	CIRCUIT DESCRIPTION	CCT
1	REC'S RM 127	20 A	1	0.00	0.00					1	30A	30A REC RM 126	2
3	REC'S RM 134	20 A	1			0.00	0.00			1	30A	30A REC RM 126	4
5	REC'S RM 133,134	20 A	1					0.00	0.00	1	30A	30A REC RM 126	6
7	REC'S RM 134-136	20 A	1	0.00	0.00					3	20 A	PARTITION RM 137 S (SPARE)	8
9	REC'S RM 131,132	20 A	1			0.00	0.00			-	-	-	10
11	REC'S RM 126	20 A	1					0.00	0.00	-	-	-	12
13	REC PHONE BOARD	20 A	1	0.00	0.00					3	20 A	PARTITION RM 137 SW (SPARE)	14
15	REC'S 126.124	20 A	1			0.00	0.00			-	-	-	16
17	REC'S 124,125 110	20 A	1					0.00	0.00	-	-	-	18
19	PARTITION RM 137 NW (SPARE)	20 A	3	0.00	0.00					3	20 A	PARTITION RM 138 S (SPARE)	20
21	-	-	-			0.00	0.00			-	-	-	22
23	-	-	-					0.00	0.00	-	-	-	24
25	PARTITION RM 137 N (SPARE)	20 A	3	0.00	0.00					1	20 A	REC'S RM 102,106	26
27	-	-	-			0.00	0.00			1	20 A	REC'S RM 104,110	28
29	-	-	-					0.00	0.00	1	20 A	REC'S RM 103,109	30
31	PARTITION RM 137 NE (SPARE)	20 A	3	0.00	0.00					1	20 A	REC'S RM 105	32
33	-	-	-			0.00	0.00			1	20 A	REC'S RM 107,138	34
35	-	-	-					0.00	0.00	3	20 A	PARTITION RM 138 W (SPARE)	36
37	PARTITION RM 137 SE (SPARE)	20 A	3	0.00	0.00					-	-	-	38
39	-	-	-			0.00	0.00			-	-	-	40
41	-	-	-					0.00	0.00	1	20 A	REC RM 124 COPIER	42
			TOTAL LOAD:	0.00 kVA		0.00 kVA		0.00 kVA					
			TOTAL AMPS:	0.00 A		0.00 A		0.00 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
LIGHTING (125%)	0.00 kVA	125%	0.00 kVA		
RECEPTACLES (<10kVA @ 100%)	0.00 kVA	100%	0.00 kVA	TOTAL CONN. (kVA):	0.00 kVA
RECEPTACLES (>10KVA @ 50%)	0.00 kVA	50%	0.00 kVA	TOTAL EST. DEMAND (kVA):	0.00 kVA
LARGEST MOTOR	0.00 kVA	125%	0.00 kVA	TOTAL CONN. (A):	0.00 A
MOTORS	0.00 kVA	100%	0.00 kVA	TOTAL EST. DEMAND (A):	0.00 A
KITCHEN EQUIPMENT	0.00 kVA	100%	0.00 kVA		
MISCELLANEOUS	0.00 kVA	100%	0.00 kVA		

NOTES:
1. FEED THRU TO PANEL L-D102.

PANEL: L-D101

REVISED

LOCATION: BREAK RM 122 — MANUFACTURER: — VOLTAGE: 208Y/120V — AIC RATING: 10K
SUPPLY FROM: H-D10 — CAT. # — PHASES: 3 — MAINS TYPE: MAIN CIRCUIT BREAKER
MOUNTING: SURFACE — WIRES: 4 — MAINS RATING: 200A
NEMA RATING: TYPE 1 — NEUTRAL RATING: 100%
BUSSING: CU

CCT	CIRCUIT DESCRIPTION	RATING	POLES	A (kVA)		B (kVA)		C (kVA)		POLES	RATING	CIRCUIT DESCRIPTION	CCT
1	ERV-1 (NOTE 2,3)	15 A	2	0.53	0.00					1	30A	30A REC RM 126	2
3	-	-	-			0.53	0.00			1	30A	30A REC RM 126	4
5	EDC-1 (NOTE 2,3)	20 A	2					1.25	0.00	1	30A	30A REC RM 126	6
7	-	-	-	1.25	0.00					3	20 A	PARTITION RM 137 S (SPARE)	8
9	SPARE (NOTE 2)	20 A	1			0.00	0.00			-	-	-	10
11	REC'S RM 126	20 A	1					0.00	0.00	-	-	-	12
13	REC PHONE BOARD	20 A	1	0.00	0.00					3	20 A	PARTITION RM 137 SW (SPARE)	14
15	SPARE (NOTE 2)	20 A	1			0.00	0.00			-	-	-	16
17	SPARE (NOTE 2)	20 A	1					0.00	0.00	-	-	-	18
19	SPARE (NOTE 2)	20 A	3	0.00	0.00					3	20 A	PARTITION RM 138 S (SPARE)	20
21	-	-	-			0.00	0.00			-	-	-	22
23	-	-	-					0.00	0.00	-	-	-	24
25	SPARE (NOTE 2)	20 A	3	0.00	0.00					1	20 A	REC: OPEN OFFICE (NOTE 2)	26
27	-	-	-			0.00	0.00			1	20 A	SPARE (NOTE 2)	28
29	-	-	-					0.00	0.00	1	20 A	SPARE (NOTE 2)	30
31	SPARE (NOTE 2)	20 A	3	0.00	0.00					1	20 A	SPARE (NOTE 2)	32
33	-	-	-			0.00	0.00			1	20 A	REC'S RM 107,138	34
35	-	-	-					0.00	0.00	3	20 A	PARTITION RM 138 W (SPARE)	36
37	PARTITION RM 137 SE (SPARE)	20 A	3	0.00	0.00					-	-	-	38
39	-	-	-			0.00	0.00			-	-	-	40
41	-	-	-					0.00	0.00	1	20 A	SPARE (NOTE 2)	42
			TOTAL LOAD:	1.78 kVA		0.53 kVA		1.25 kVA					
			TOTAL AMPS:	14.82 A		4.41 A		10.41 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
LIGHTING (125%)	0.00 kVA	125%	0.00 kVA		
RECEPTACLES (<10kVA @ 100%)	0.00 kVA	100%	0.00 kVA	TOTAL CONN. (kVA):	3.56 kVA
RECEPTACLES (>10KVA @ 50%)	0.00 kVA	50%	0.00 kVA	TOTAL EST. DEMAND (kVA):	3.56 kVA
LARGEST MOTOR	0.00 kVA	125%	0.00 kVA	TOTAL CONN. (A):	9.89 A
MOTORS	0.00 kVA	100%	0.00 kVA	TOTAL EST. DEMAND (A):	9.89 A
KITCHEN EQUIPMENT	0.00 kVA	100%	0.00 kVA		
MISCELLANEOUS	3.56 kVA	100%	3.56 kVA		

NOTES:
1. FEED THRU TO PANEL L-D102.
2. REVISED CIRCUIT.
3. REMOVE EXISTING 20A/1P BREAKERS. PROVIDE NEW 15A/2P BREAKER.
4. REMOVE EXISTING 20A/1P BREAKERS. PROVIDE NEW 20A/2P BREAKER.

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No.	Issue Description	Date
	PERMIT SET	03.10.23

City Electronic Stamp Location

CLIENT APPROVAL — DATE

City Electronic Stamp Location

Drawn by: NS — Project Manager: BP
Project No: 22.0243.00

ELECTRICAL SCHEDULES

Original drawing is 30" x 42". Scale entities accordingly if reduced

E0.3

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

PANEL: L-D102

EXISTING

LOCATION:	BREAK RM 122	MANUFACTURER:	EATON	VOLTAGE:	208Y/120V	AIC RATING:	10K
SUPPLY FROM:	L-D101	CAT. #	PRL1A	PHASES:	3	MAINS TYPE:	MAIN LUGS ONLY
MOUNTING:	SURFACE			WIRES:	4	MAINS RATING:	225A
NEMA RATING:	TYPE 1					NEUTRAL RATING:	100%
						BUSSING:	CU

CCT	CIRCUIT DESCRIPTION	RATING	POLES	A (kVA)		B (kVA)		C (kVA)		POLES	RATING	CIRCUIT DESCRIPTION	CCT
1	REC'S R, 122, DIST DETECTORS	20 A	1	0.00	0.00					2	30 A	SPLIT SYSTEM SERVER RM RTU	2
3	REFRIGERATOR RM 122	20 A	1			0.00	0.00				-	-	4
5	VENDING RM 121	20 A	1					0.00	0.00	1	15 A	SPLIT SYSTEM INDOOR SERVER RM	6
7	VENDING RM 121	20 A	1	0.00	0.00					1	20 A	DUCT DETECTORS/ ZONE X- FORM	8
9	VENDING RM 121	20 A	1			0.00	0.00			1	20 A	EXH. FAN	10
11	VENDING RM 121	20 A	1					0.00	0.00	1	20 A	EXH. FAN	12
13	DSPOSA/ DISHWASHER RM 122	20 A	1	0.00	0.00					1	20 A	CIR PUMP JAN. CLOSET	14
15	MICRO RM 122	20 A	1			0.00	0.00			1	20 A	DED. REC RM 126	16
17	MICRO RM 122	20 A	1					0.00	0.00	1	20 A	DED. REC RM 126	18
19	REC'S RM 122	20 A	1	0.00	0.00					1	20 A	DED. REC RM 126	20
21	REC'S RM 115, 118, 120	20 A	1			0.00	0.00			2	30 A	W/H	22
23	REC'S RM 115	20 A	1					0.00	0.00	-	-	-	24
25	REFRIGERATOR RM 123	20 A	1	0.00	0.00					1	20 A	EXH FAN CF11-CF19	26
27	MICRO RM 123	20 A	1			0.00	0.00			-	-	SPACE	28
29	DISP/ DISH RM 123	20 A	1					0.00	0.00	1	20 A	RTU REC	30
31	REC'S RM 123	20 A	1	0.00	0.00					1	20 A	WEST DOCK REC'S	32
33	REC'S RM 108	20 A	1			0.00	0.00			1	20 A	WEST DOCK REC'S	34
35	REC'S RM 111,112	20 A	1					0.00	0.00	1	20 A	EXH. FAN PAINT STORAGE	36
37	SPARE	90 A	3	0.00	0.00					1	20 A	EXH FANS H2 & H3	38
39	-	-	-			0.00	0.00			1	20 A	SPARE	40
41	-	-	-					0.00	0.00	1	20 A	UNIT HEATERS 12 & 14	42
			TOTAL LOAD:	0.00 kVA		0.00 kVA		0.00 kVA					
			TOTAL AMPS:	0.00 A		0.00 A		0.00 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
LIGHTING (125%)	0.00 kVA	125%	0.00 kVA		
RECEPTACLES (<10kVA @ 100%)	0.00 kVA	100%	0.00 kVA	TOTAL CONN. (kVA):	0.00 kVA
RECEPTACLES (>10KVA @ 50%)	0.00 kVA	50%	0.00 kVA	TOTAL EST. DEMAND (kVA):	0.00 kVA
LARGEST MOTOR	0.00 kVA	125%	0.00 kVA	TOTAL CONN. (A):	0.00 A
MOTORS	0.00 kVA	100%	0.00 kVA	TOTAL EST. DEMAND (A):	0.00 A
KITCHEN EQUIPMENT	0.00 kVA	100%	0.00 kVA		
MISCELLANEOUS	0.00 kVA	100%	0.00 kVA		

NOTES:
1. PANEL SHOWN FOR REFERENCE ONLY.

PANEL: L-D102

REVISED

LOCATION:	BREAK RM 122	MANUFACTURER:	EATON	VOLTAGE:	208Y/120V	AIC RATING:	10K
SUPPLY FROM:	L-D101	CAT. #	PRL1A	PHASES:	3	MAINS TYPE:	MAIN LUGS ONLY
MOUNTING:	SURFACE			WIRES:	4	MAINS RATING:	225A
NEMA RATING:	TYPE 1					NEUTRAL RATING:	100%
						BUSSING:	CU

CCT	CIRCUIT DESCRIPTION	RATING	POLES	A (kVA)		B (kVA)		C (kVA)		POLES	RATING	CIRCUIT DESCRIPTION	CCT
1	REC'S R, 122, DIST DETECTORS	20 A	1	0.00	0.00					2	30 A	SPARE (NOTE 1)	2
3	REFRIGERATOR RM 122	20 A	1			0.00	0.00				-	-	4
5	VENDING RM 121	20 A	1					0.00	0.00	1	15 A	SPARE (NOTE 1)	6
7	VENDING RM 121	20 A	1	0.00	0.00					1	20 A	DUCT DETECTORS/ ZONE X- FORM	8
9	VENDING RM 121	20 A	1			0.00	0.00			1	20 A	EXH. FAN	10
11	VENDING RM 121	20 A	1					0.00	0.00	1	20 A	EXH. FAN	12
13	DSPOSA/ DISHWASHER RM 122	20 A	1	0.00	0.00					1	20 A	CIR PUMP JAN. CLOSET	14
15	MICRO RM 122	20 A	1			0.00	0.00			1	20 A	DED. REC RM 126	16
17	MICRO RM 122	20 A	1					0.00	0.00	1	20 A	DED. REC RM 126	18
19	REC'S RM 122	20 A	1	0.00	0.00					1	20 A	DED. REC RM 126	20
21	REC'S RM 115, 118, 120	20 A	1			0.00	0.00			2	30 A	W/H	22
23	REC'S RM 115	20 A	1					0.00	0.00	-	-	-	24
25	REFRIGERATOR RM 123	20 A	1	0.00	0.00					1	20 A	EXH FAN CF11-CF19	26
27	MICRO RM 123	20 A	1			0.00	0.00			-	-	SPACE	28
29	DISP/ DISH RM 123	20 A	1					0.00	0.00	1	20 A	RTU REC	30
31	REC'S RM 123	20 A	1	0.00	0.00					1	20 A	WEST DOCK REC'S	32
33	SPARE (NOTE 1)	20 A	1			0.00	0.00			1	20 A	WEST DOCK REC'S	34
35	REC'S RM 111,112	20 A	1					0.00	0.00	1	20 A	EXH. FAN PAINT STORAGE	36
37	SPARE	90 A	3	0.00	0.00					1	20 A	EXH FANS H2 & H3	38
39	-	-	-			0.00	0.00			1	20 A	SPARE	40
41	-	-	-					0.00	0.00	1	20 A	UNIT HEATERS 12 & 14	42
			TOTAL LOAD:	0.00 kVA		0.00 kVA		0.00 kVA					
			TOTAL AMPS:	0.00 A		0.00 A		0.00 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
LIGHTING (125%)	0.00 kVA	125%	0.00 kVA		
RECEPTACLES (<10kVA @ 100%)	0.00 kVA	100%	0.00 kVA	TOTAL CONN. (kVA):	0.00 kVA
RECEPTACLES (>10KVA @ 50%)	0.00 kVA	50%	0.00 kVA	TOTAL EST. DEMAND (kVA):	0.00 kVA
LARGEST MOTOR	0.00 kVA	125%	0.00 kVA	TOTAL CONN. (A):	0.00 A
MOTORS	0.00 kVA	100%	0.00 kVA	TOTAL EST. DEMAND (A):	0.00 A
KITCHEN EQUIPMENT	0.00 kVA	100%	0.00 kVA		
MISCELLANEOUS	0.00 kVA	100%	0.00 kVA		

NOTES:
1. REVISED CIRCUIT.

PANEL: L-E10

EXISTING

LOCATION:	BREAK RM 122	MANUFACTURER:	SQUARE D	VOLTAGE:	208Y/120V	AIC RATING:	10K
SUPPLY FROM:	-	CAT. #	NQ	PHASES:	3	MAINS TYPE:	MAIN CIRCUIT BREAKER
MOUNTING:	SURFACE			WIRES:	4	MAINS RATING:	200A
NEMA RATING:	TYPE 1					NEUTRAL RATING:	100%
						BUSSING:	CU

CCT	CIRCUIT DESCRIPTION	RATING	POLES	A (kVA)		B (kVA)		C (kVA)		POLES	RATING	CIRCUIT DESCRIPTION	CCT
1	208 OUTLET	30 A	2	0.00	0.00					2	30 A	208 OUTLET	2
3	-	-	-			0.00	0.00			-	-	-	4
5	OUTLET	30 A	1					0.00	0.00	1	30 A	OUTLET	6
7	OUTLET	30 A	1	0.00	0.00					1	30 A	OUTLET	8
9	OUTLET	30 A	1			0.00	0.00			1	20 A	UNMARKED	10
11	COLOR PRINTER	30 A	1					0.00	0.00	2	20 A	HVAC 2	12
13	SPACE	-	-	0.00	0.00					-	-	-	14
15	SPACE	-	-			0.00	0.00			-	-	SPACE	16
17	SPACE	-	-					0.00	0.00	-	-	SPACE	18
19	SPACE	-	-	0.00	0.00					-	-	SPACE	20
21	SPACE	-	-			0.00	0.00			-	-	SPACE	22
23	SPACE	-	-					0.00	0.00	-	-	SPACE	24
25	SPACE	-	-	0.00	0.00					-	-	SPACE	26
27	SPACE	-	-			0.00	0.00			-	-	SPACE	28
29	SPACE	-	-					0.00	0.00	-	-	SPACE	30
31	SPACE	-	-	0.00	0.00					-	-	SPACE	32
33	SPACE	-	-			0.00	0.00			-	-	SPACE	34
35	SPACE	-	-					0.00	0.00	-	-	SPACE	36
37	SPACE	-	-	0.00	0.00					-	-	SPACE	38
39	SPACE	-	-			0.00	0.00			-	-	SPACE	40
41	SPACE	-	-					0.00	0.00	-	-	SPACE	42
			TOTAL LOAD:	0.00 kVA		0.00 kVA		0.00 kVA					
			TOTAL AMPS:	0.00 A		0.00 A		0.00 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
LIGHTING (125%)	0.00 kVA	125%	0.00 kVA		
RECEPTACLES (<10kVA @ 100%)	0.00 kVA	100%	0.00 kVA	TOTAL CONN. (kVA):	0.00 kVA
RECEPTACLES (>10KVA @ 50%)	0.00 kVA	50%	0.00 kVA	TOTAL EST. DEMAND (kVA):	0.00 kVA
LARGEST MOTOR	0.00 kVA	125%	0.00 kVA	TOTAL CONN. (A):	0.00 A
MOTORS	0.00 kVA	100%	0.00 kVA	TOTAL EST. DEMAND (A):	0.00 A
KITCHEN EQUIPMENT	0.00 kVA	100%	0.00 kVA		
MISCELLANEOUS	0.00 kVA	100%	0.00 kVA		

NOTES:
1. DEMOLISH PANEL REMOVE CONDUIT AND CONDUCTORS BACK TO SOURCE.

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No.	Issue Description	Date
	PERMIT SET	03.10.23

City Electronic Stamp Location

CLIENT APPROVAL DATE

City Electronic Stamp Location

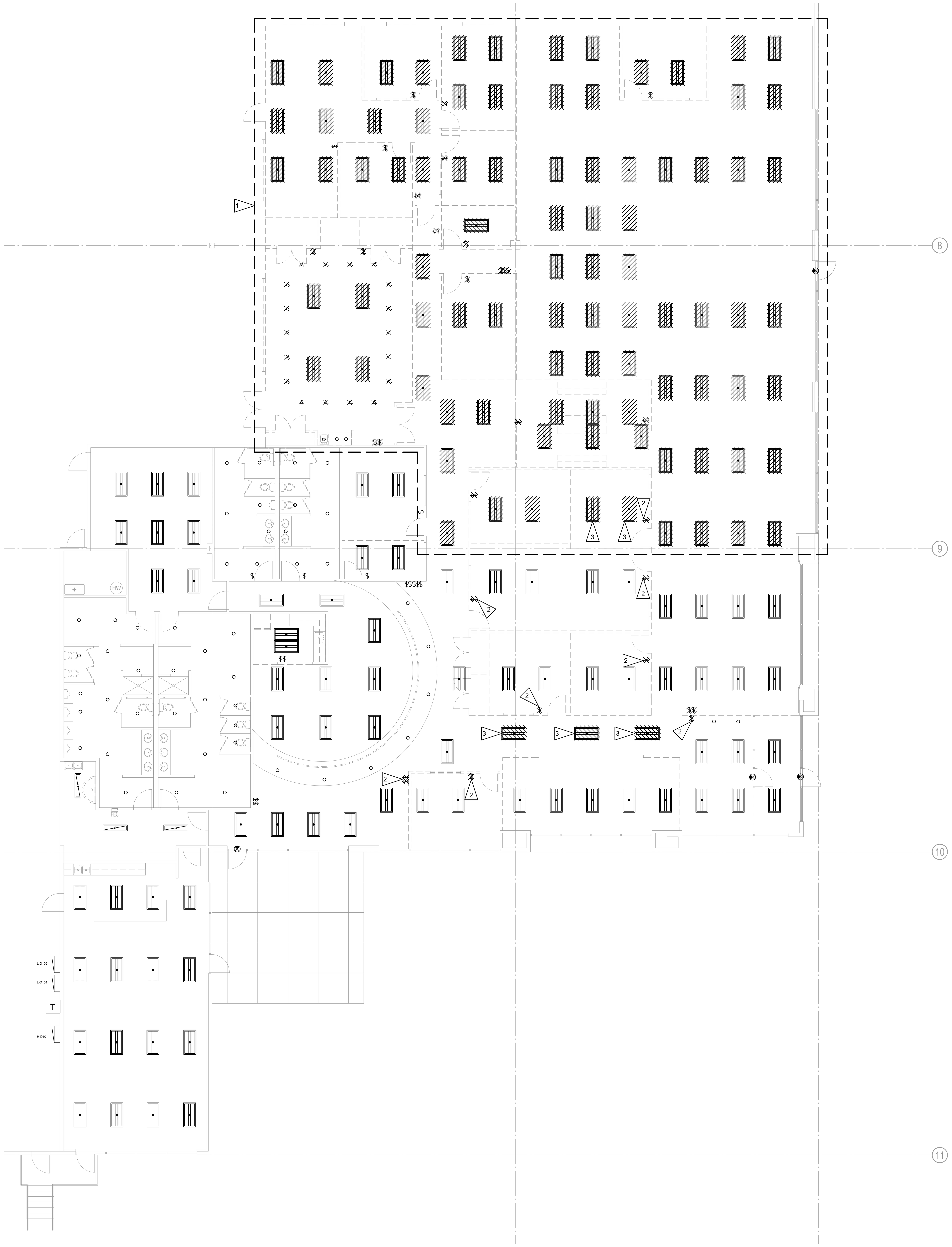
Drawn by: NS Project Manager: BP
Project No: 22.0243.00

ELECTRICAL SCHEDULES

Original drawing is 30" x 42". Scale entities accordingly if reduced

E0.4

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



1 ED2.1 LIGHTING DEMO PLAN
SCALE: 1/8" = 1'

GENERAL NOTES:

1. ALL EQUIPMENT SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.
2. BRANCH CIRCUITING INDICATED ON PLANS AND SCHEDULES IS BASED UPON EXISTING PLANS AND SITE OBSERVATION, CONTRACTOR TO FIELD VERIFY.
3. PROVIDE NECESSARY DEMOLITION TO FACILITATE NEW CONSTRUCTION WORK ASSOCIATED WITH THIS PROJECT. COORDINATE OUTAGES WITH OWNER MINIMUM 72 HOURS IN ADVANCE. PROVIDE DISPOSAL OF REMOVED MATERIAL. MAINTAIN CIRCUIT CONTINUITY AS REQUIRED.
4. REMOVE ABANDONED EQUIPMENT, WIRING AND RACEWAY.

FLAG NOTES:

1. NOT ALL EXISTING DEVICES ARE SHOWN. CONTRACTOR TO VERIFY ALL DEVICES IN AREA OF WORK TO BE DEMOLISHED. DEMOLISH ALL EXISTING LUMINAIRES, SWITCHES, CEILING MOUNTED DEVICES, ASSOCIATED CONDUITS, CONDUCTORS AND APPURTENANCES BACK TO PANEL UNLESS NOTED OTHERWISE. EXIT SIGNS AT EGRESS DOORS TO REMAIN.
2. DEMOLISH EXISTING SWITCH. RECIRCUIT ASSOCIATED EXISTING LUMINAIRE TO NEAREST SWITCHED CIRCUIT TO REMAIN.
3. RELOCATE FIXTURE AS SHOWN IN SHEET E2.1.

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No.	Issue Description	Date
	PERMIT SET	03.10.23

City Electronic Stamp Location

CLIENT APPROVAL	DATE

City Electronic Stamp Location

Drawn by: NS Project Manager: BP
Project No: 22.0243.00

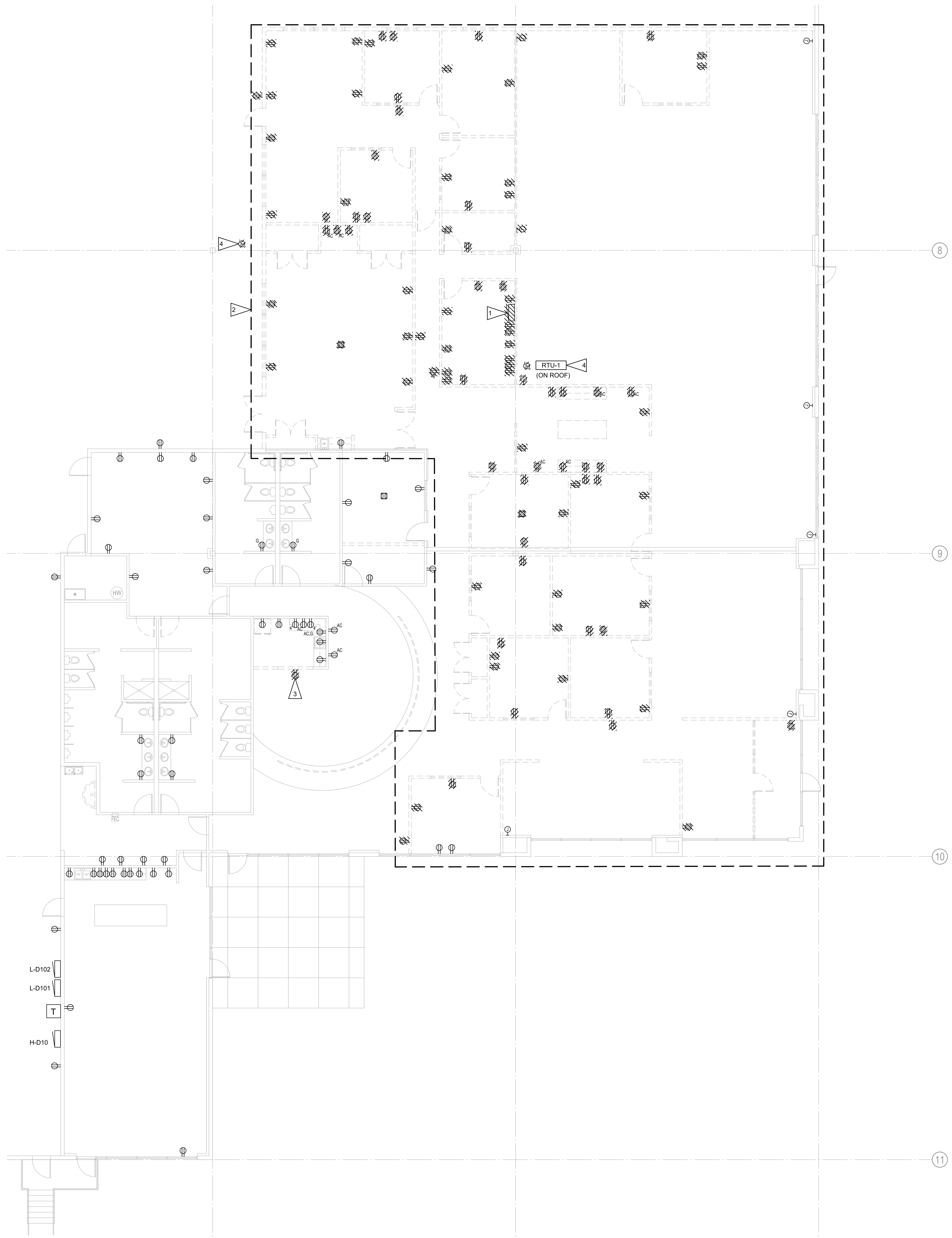
LIGHTING DEMO PLAN

Original drawing is 30" x 42". Scale entities accordingly if reduced

ED2.1

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



1 ED3.1 POWER DEMO PLAN
SCALE: 1/8" = 1'

GENERAL NOTES:

1. ALL EQUIPMENT SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.
2. BRANCH CIRCUITING INDICATED ON PLANS AND SCHEDULES IS BASED UPON EXISTING PLANS AND SITE OBSERVATION, CONTRACTOR TO FIELD VERIFY.
3. PROVIDE NECESSARY DEMOLITION TO FACILITATE NEW CONSTRUCTION WORK ASSOCIATED WITH THIS PROJECT. COORDINATE OUTAGES WITH OWNER MINIMUM 72 HOURS IN ADVANCE. PROVIDE DISPOSAL OF REMOVED MATERIAL. MAINTAIN CIRCUIT CONTINUITY AS REQUIRED.
4. REMOVE ABANDONED EQUIPMENT, WIRING AND RACEWAY.

FLAG NOTES:

1. DEMOLISH EXISTING ELECTRICAL PANEL. REMOVE EXISTING CONDUIT AND CONDUCTORS BACK TO SOURCE.
2. NOT ALL EXISTING DEVICES ARE SHOWN. CONTRACTOR TO VERIFY ALL DEVICES IN AREA OF WORK TO BE DEMOLISHED. DEMOLISH ALL ELECTRICAL DEVICES, ASSOCIATED CONDUITS, CONDUCTORS AND APPURTENANCES BACK TO PANEL SOURCE PANEL.
3. DEMOLISH EXISTING RECEPTACLE. REMOVE EXISTING BACK BOX, CONDUIT, AND CONDUCTORS BACK TO NEAREST JUNCTION BOX.
4. DISCONNECT EXISTING ROOFTOP UNIT. REMOVE EXISTING CONDUCTORS. EXISTING CONDUIT TO REMAIN.

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No.	Issue Description	Date
	PERMIT SET	03.10.23

City Electronic Stamp Location

CLIENT APPROVAL	DATE

City Electronic Stamp Location

Drawn by: NS Project Manager: BP
Project No: 22.0243.00

POWER DEMO PLAN

Original drawing is 30" x 42". Scale entities accordingly if reduced

ED3.1

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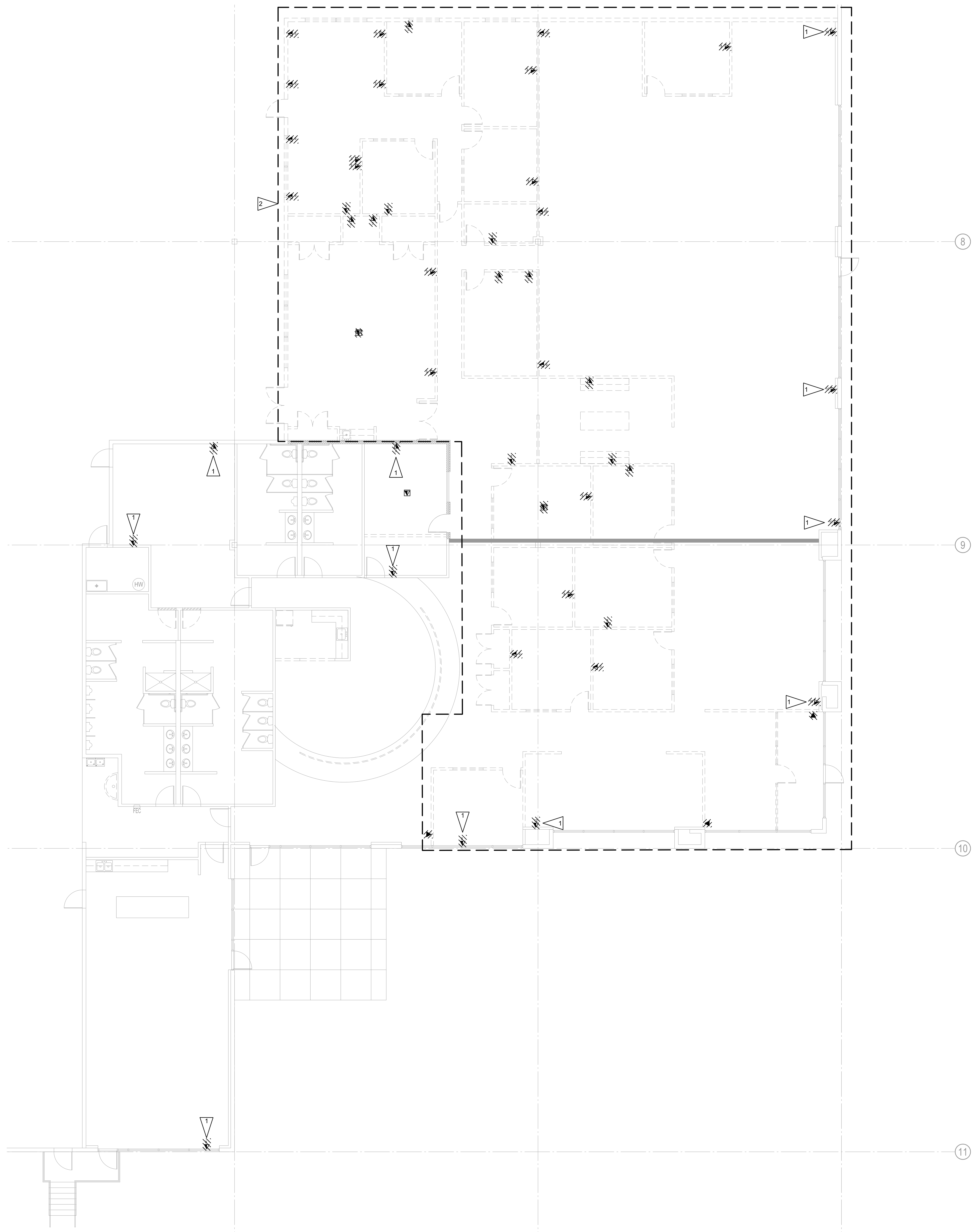
Building	Planning
Engineering	Public Works
Fire	Traffic



1 ED4.1 ELECTRICAL DEMO LOW VOLTAGE PLAN
SCALE: 1/8" = 1'

GENERAL NOTES:

1. ALL EQUIPMENT SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.
2. BRANCH CIRCUITING INDICATED ON PLANS AND SCHEDULES IS BASED UPON EXISTING PLANS AND SITE OBSERVATION, CONTRACTOR TO FIELD VERIFY.
3. PROVIDE NECESSARY DEMOLITION TO FACILITATE NEW CONSTRUCTION WORK ASSOCIATED WITH THIS PROJECT. COORDINATE OUTAGES WITH OWNER MINIMUM 72 HOURS IN ADVANCE. PROVIDE DISPOSAL OF REMOVED MATERIAL. MAINTAIN CIRCUIT CONTINUITY AS REQUIRED.
4. REMOVE ABANDONED EQUIPMENT, WIRING AND RACEWAY.

FLAG NOTES:

1 DEMOLISH EXISTING DATA OUTLET AND FACE PLATE. EXISTING BACK BOX TO REMAIN. PROVIDE NEW BLANK COVER PLATE.

2 NOT ALL EXISTING DEVICES ARE SHOWN. CONTRACTOR TO VERIFY ALL DEVICES IN AREA OF WORK TO BE DEMOLISHED. DEMOLISH ALL EXISTING LOW VOLTAGE DEVICES, ASSOCIATED CONDUITS, CONDUCTORS AND APPURTENANCES BACK TO SOURCE.

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No.	Issue Description	Date
	PERMIT SET	03.10.23

City Electronic Stamp Location

CLIENT APPROVAL DATE

City Electronic Stamp Location

Drawn by: NS Project Manager: BP
Project No: 22.0243.00

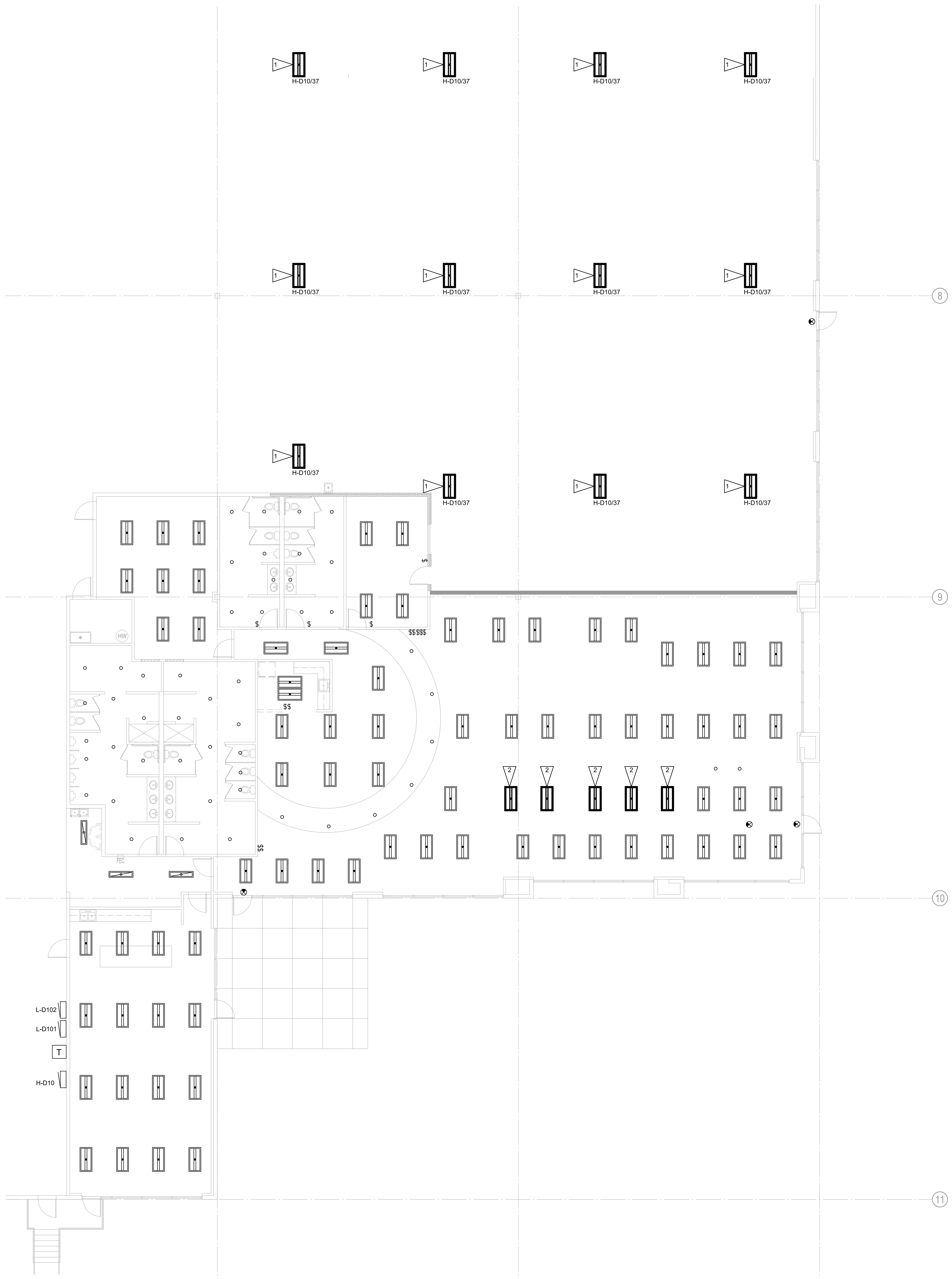
LOW VOLTAGE DEMO PLAN

Original drawing is 30" x 42". Scale entities accordingly if reduced

ED4.1

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



1 / E2.1 LIGHTING PLAN
SCALE: 1/8" = 1'

GENERAL NOTES:

1. BRANCH CIRCUITING INDICATED ON PLANS AND SCHEDULES IS BASED UPON EXISTING PLANS AND SITE OBSERVATION, CONTRACTOR TO FIELD VERIFY.
2. EQUIPMENT SHOWN IS DIAGRAMMATIC. COORDINATE EQUIPMENT LOCATION WITH OWNER AND ARCHITECTURAL PRIOR TO INSTALLATION.
3. COORDINATE EXPOSED CONDUIT ROUTING WITH ARCHITECTURAL PRIOR TO INSTALLATION IN ALL SPACES EXCEPT FOR MECHANICAL, ELECTRICAL, MDF/IDF, AND STORAGE ROOMS.
4. REFER TO SHEETS E0.3 AND E0.4 FOR PANEL SCHEDULES.

FLAG NOTES:

1. PROVIDE NEW HIGH-BAY LUMINAIRE, LITHONIA PLD L24 24000LM SEF AFL GND MVOLT GZ10 50K 80 CRI.
2. RELOCATED LIGHT FIXTURE.

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No.	Issue Description	Date
	PERMIT SET	03.10.23

City Electronic Stamp Location

CLIENT APPROVAL DATE

City Electronic Stamp Location

Drawn by: NS Project Manager: BP
Project No: 22.0243.00

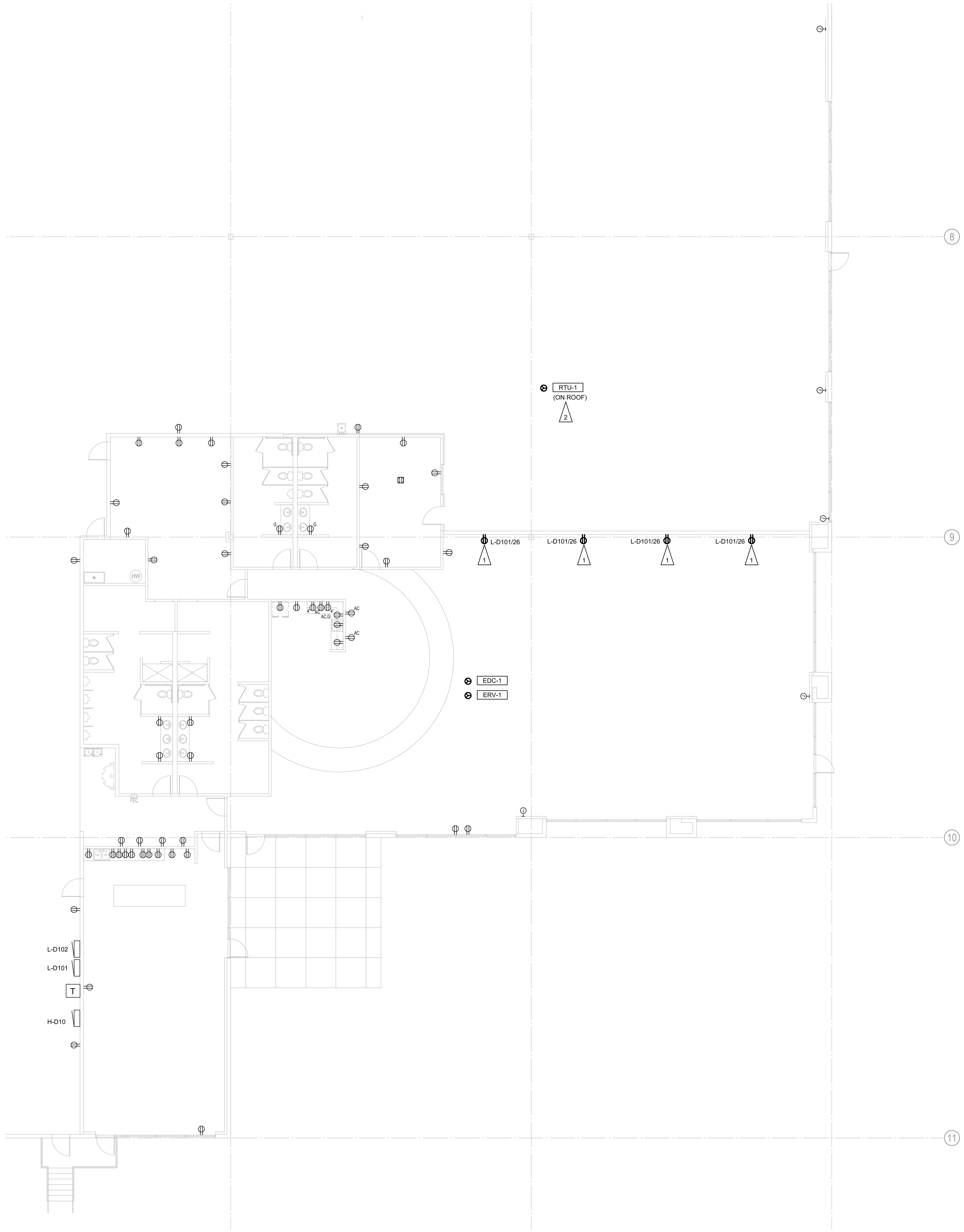
LIGHTING PLAN

Original drawing is 30" x 42". Scale entities accordingly if reduced

E2.1

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



1 E3.1 POWER PLAN
SCALE: 1/8" = 1'

GENERAL NOTES:

1. BRANCH CIRCUITING INDICATED ON PLANS AND SCHEDULES IS BASED UPON EXISTING PLANS AND SITE OBSERVATION, CONTRACTOR TO FIELD VERIFY.
2. EQUIPMENT SHOWN IS DIAGRAMMATIC. COORDINATE EQUIPMENT LOCATION WITH OWNER AND ARCHITECTURAL PRIOR TO INSTALLATION.
3. COORDINATE EXPOSED CONDUIT ROUTING WITH ARCHITECTURAL PRIOR TO INSTALLATION IN ALL SPACES EXCEPT FOR MECHANICAL, ELECTRICAL, MDF/IDF, AND STORAGE ROOMS.
4. REFER TO SHEETS E0.3 AND E0.4 FOR PANEL SCHEDULES.

FLAG NOTES:

1 PROVIDE NEW RECEPTACLE.
2 PROVIDE CONDUCTORS FOR NEW ROOFTOP UNIT CONNECTION. EXTEND CONDUIT AS NEEDED.

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No.	Issue Description	Date
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City Electronic Stamp Location

CLIENT APPROVAL	DATE

City Electronic Stamp Location

Drawn by: NS Project Manager: BP
Project No: 22.0243.00

POWER PLAN

Original drawing is 30" x 42". Scale entities accordingly if reduced

E3.1

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

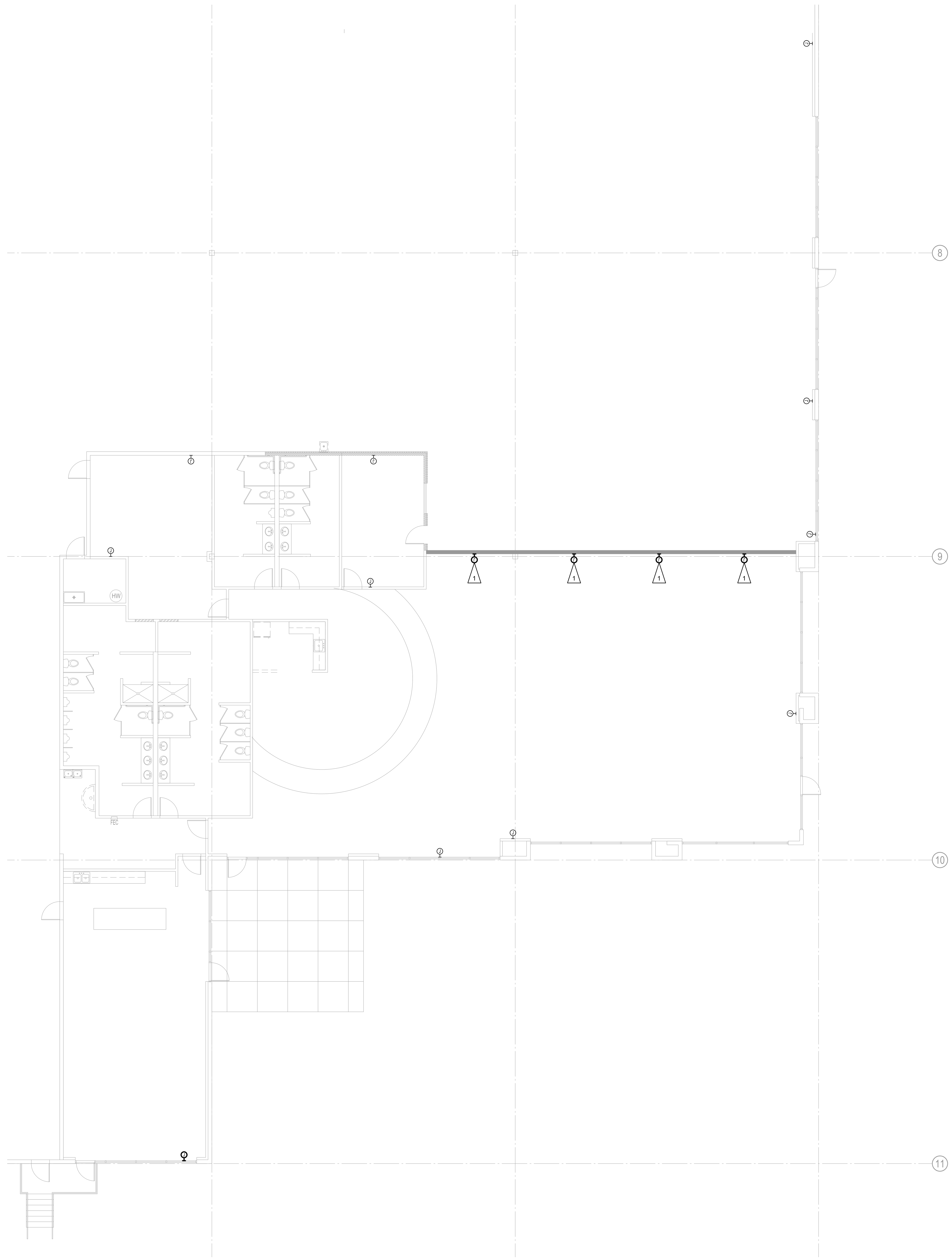
Building	Planning
Engineering	Public Works
Fire	Traffic

GENERAL NOTES:

1. ALL EQUIPMENT IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.
2. BRANCH CIRCUITING INDICATED ON PLANS AND SCHEDULES IS BASED UPON EXISTING PLANS AND SITE OBSERVATION, CONTRACTOR TO FIELD VERIFY.
3. EQUIPMENT SHOWN IS DIAGRAMMATIC. COORDINATE EQUIPMENT LOCATION WITH ARCHITECTURAL AND OWNER PRIOR TO INSTALLATION.
4. CEILING DEVICES AND CONDUIT ROUTING SHOWN IS DIAGRAMMATIC. COORDINATE ALL DEVICES AND CONDUIT ROUTING WITH EXISTING ELEMENTS PRIOR TO INSTALLATION.
5. PROVIDE MINIMUM 1" CONDUIT FOR ALL NEW DATA DROP LOCATIONS TO ACCESSIBLE CEILING.
6. REFER TO ARCHITECTURAL FOR ALL MOUNTING HEIGHTS.

FLAG NOTES:

1 PROVIDE RING AND STRING AND BLANK FACEPLATE FOR FUTURE DATA.



1 E4.1 LOW VOLTAGE PLAN
SCALE: 1/8" = 1'

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No.	Issue Description	Date
	PERMIT SET	03.10.23

City Electronic Stamp Location

CLIENT APPROVAL DATE

City Electronic Stamp Location

Drawn by: NS Project Manager: BP
Project No: 22.0243.00

LOW VOLTAGE PLAN

Original drawing is 30" x 42". Scale entities accordingly if reduced

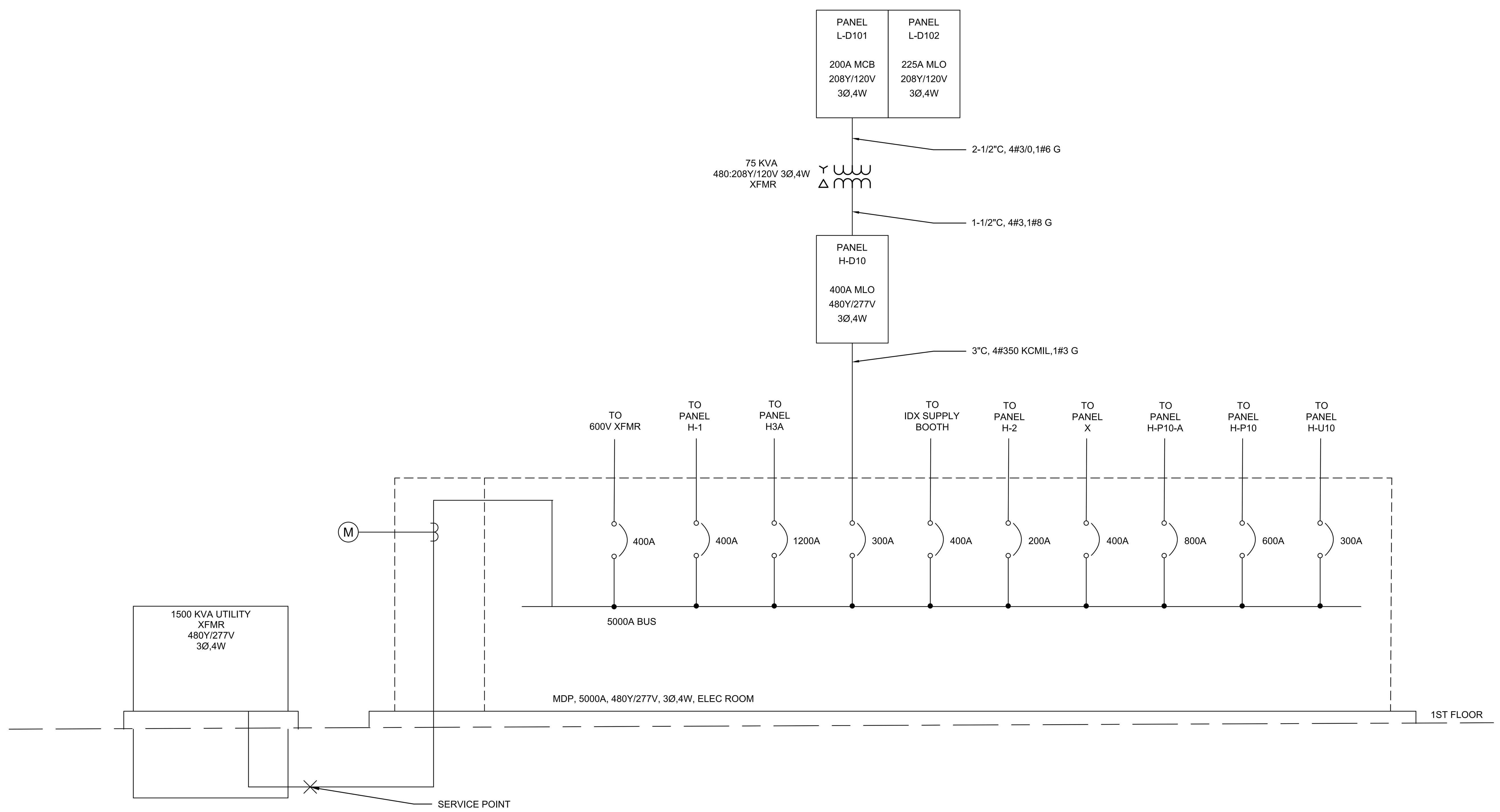
E4.1

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

GENERAL NOTES:

1. ALL EQUIPMENT IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.
2. PROVIDE NECESSARY DEMOLITION TO FACILITATE NEW CONSTRUCTION WORK ASSOCIATED WITH THIS PROJECT. COORDINATE OUTAGES WITH OWNER MINIMUM 72 HOURS IN ADVANCE. PROVIDE DISPOSAL OF REMOVED MATERIAL. MAINTAIN CIRCUIT CONTINUITY AS REQUIRED.
3. REMOVE ABANDONED EQUIPMENT, WIRING AND RACEWAY UNLESS NOTED OTHERWISE.
4. REFER TO SCHEDULES ON SHEETS E0.03 AND E0.04 FOR ADDITIONAL INFORMATION.



1 / E8.1 ELECTRICAL ONE-LINE DIAGRAM
SCALE: NONE

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No.	Issue Description	Date
	PERMIT SET	03.10.23

City Electronic Stamp Location

CLIENT APPROVAL DATE

City Electronic Stamp Location

Drawn by: NS Project Manager: BP
Project No: 22.0243.00

ELECTRIC ONE-LINE DIAGRAM

Original drawing is 30" x 42". Scale entities accordingly if reduced

E8.1

ABBREVIATIONS:

Ø	DIAMETER, PHASE
ABV	ABOVE
AC	AIR CONDITIONING UNIT
AD	AREA DRAIN, ACCESS DOOR
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECT
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR-CONDITIONING ENGINEERS, INC.
ATM	ATMOSPHERE
AV	ACID RESISTANT (CHEMICAL) VENT
AW	ACID RESISTANT (CHEMICAL) WASTE
BF	BELOW FLOOR
BFF	BELOW FINISHED FLOOR
BHP	BRAKE HORSEPOWER
BLDG	BUILDING
BLW	BELOW
BOP	BOTTOM OF PIPE
BOT	BOTTOM
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
C	CONDENSATE DRAIN PIPING
CAP	CAPACITY
CBV	CIRCUIT BALANCING VALVE
CC	COOLING COIL
CD	CEILING DIFFUSER
CI	CAST IRON
CL	CENTER LINE
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COMB	COMBUSTION, COMBINATION
COND	CONDENSATE
CONN	CONNECTION
CONT	CONTINUE, CONTROL
CONTR	CONTRACTOR
COP	COEFFICIENT OF PERFORMANCE
CP	CONDENSATE PUMP
CT	COOLING TOWER
CV	CHECK VALVE, CONSTANT VOLUME
CW	DOMESTIC COLD WATER
DB	DRY BULB
DEPT	DEPARTMENT
DEG	DEGREE
DF	DRINKING FOUNTAIN
DFU	DRAINAGE FIXTURE UNIT
DI	DUCTILE IRON
DIA	DIAMETER
DIAG	DIAGRAM
DIFF	DIFFERENTIAL
DIM	DIMENSION
DN	DOWN
DWG	DRAWING
DWP	DOMESTIC WATER PUMP
(E)	EXISTING
EA	EACH, EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
ECG	EGGCRATE GRILLE
EDH	ELECTRIC DUCT HEATER
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EFF	EFFICIENCY
EG	EXHAUST GRILLE
EJ	EXPANSION JOINT
ELEC	ELECTRIC
ELEV	ELEVATION
EMCS	ENERGY MANAGEMENT CONTROL SYSTEM
EQUIP	EQUIPMENT
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
ETC	AND SO FORTH
EUH	ELECTRIC UNIT HEATER
EVAP	EVAPORATOR, EVAPORATIVE
EW	EYE WASH
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EX	EXHAUST
EXT	EXTERIOR, EXTERNAL
F	FIRE SPRINKLER
°F	DEGREES FAHRENHEIT
FCO	FLOOR CLEANOUT
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
F/D	FIRE DAMPER
FDC	FIRE DEPARTMENT CONNECTION
FFD	FUNNEL FLOOR DRAIN
FLA	FULL LOAD AMPS
FLR	FLOOR
FLEX	FLEXIBLE
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FS	FLOOR SINK
F/S/D	COMBINATION FIRE SMOKE DAMPER
FT	FEET, FINNED TUBE
G	GAS
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GPR	GAS PRESSURE REGULATOR
GR	GRILLE
GRD	GRILLES, REGISTERS, AND DIFFUSERS
GW	GREASE WASTE
GWB	GYPSUM WALLBOARD
HB	HOSE BIBB
HD	HEAD
HP	HEAT PUMP, HORSEPOWER
HR	HOUR
HT	HEIGHT
HVAC	HEATING, VENTILATION & AIR CONDITIONING
HW	DOMESTIC HOT WATER
HWC	DOMESTIC HOT WATER CIRCULATING
IAQ	INDOOR AIR QUALITY
I.E.	INVERT ELEVATION
IN	INCH
INCL	INCLUDING
INV	INVERT
KW	KILOWATT
L	LENGTH
LAT	LEAVING AIR TEMPERATURE
LAV	LAVATORY
LB	POUND
LD	LINEAR DIFFUSER
LF	LINEAR FEET
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	THOUSANDS OF BTUH
MCA	MINIMUM CIRCUIT AMPACITY
MECH	MECHANICAL
MED	MEDIUM
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MOCP	MAXIMUM OVERCURRENT PROTECTION
MPG	MEDIUM PRESSURE GAS
MS	MOP SINK
MTD	MOUNTED
MUA	MAKEUP AIR UNIT
(N)	NEW
NA, N/A	NOT APPLICABLE
NC	NOISE CRITERIA, NORMALLY CLOSED
NEG	NEGATIVE
NO	NORMALLY OPEN
NO.	NUMBER
NP	NON-POTABLE
NPW	NON-POTABLE WATER
NTS	NOT TO SCALE
OC	ON CENTER
ORWL	OVERFLOW RAIN WATER LEADER
OSA	OUTSIDE AIR
P	PRESSURE, PUMP
PH	PHASE
POC	POINT OF CONNECTION
PRESS	PRESSURE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PTRV	PRESSURE/TEMPERATURE RELIEF VALVE
PU	PUMP
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFERENCE
REG	REGISTER
REL	RELIEF
REQD	REQUIRED
ROD	ROOF OVERFLOW DRAIN
RPBA	REDUCED PRESSURE BACKFLOW ASSEMBLY
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RPM	REVOLUTIONS PER MINUTE
RTU	ROOFTOP UNIT
RV	RELIEF VALVE
RWL	RAIN WATER LEADER
SCH	SCHEDULE
SCHEM	SCHEMATIC
SPEC	SPECIFICATION
SQ	SQUARE
SRV	SAFETY RELIEF VALVE
SS	STAINLESS STEEL
ST	STORAGE TANK, SOUND TRAP
STD	STANDARD
STM	STEAM
STR	STARTER, STRUCTURAL
SUCT	SUCTION
SUP	SUPPLY
TEMP	TEMPERATURE
TOF	TOP OF FOOTING
TOP	TOP OF PIPE
TPRV	TEMPERATURE/PRESSURE RELIEF VALVE
TSP	TOTAL STATIC PRESSURE
T'STAT	THERMOSTAT
TYP	TYPICAL
UH	UNIT HEATER
UNOCC	UNOCCUPIED
URN	URINAL
V	VENT, VOLTS
VB	VACUUM BREAKER
VEL	VELOCITY
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT THRU ROOF
W	WASTE, WATT, WIDTH
W/	WITH
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WATER HEATER
WM	WATER METER
W/O	WITHOUT
WPD	WATER PRESSURE DROP
WSEC	WASHINGTON STATE ENERGY CODE
WSFU	WATER SUPPLY FIXTURE UNIT
WT	WEIGHT

REFERENCE SYMBOLS

- NEW MECHANICAL WORK
- EXISTING MECHANICAL WORK
- EXISTING MECHANICAL WORK TO BE DEMOLISHED
- ENLARGED PLAN BORDER
- MATCHLINE
- SECTION IDENTIFIER (1 / MX.X)
- DETAIL OR DRAWING IDENTIFIER (1 / MX.X)
- REVISION CLOUD INDICATES WHERE SECTION APPEARS
- INDICATES REVISION & NUMBER
- FLAG NOTE (1)
- EQUIPMENT IDENTIFIER (AHU-XXX)
- POINT OF CONNECTION
- NORTH ARROW
- MECHANICAL ACCESS

HVAC PIPING LINE DESIGNATION SYMBOLS

- MU — MAKEUP WATER
- C — CONDENSATE DRAIN PIPING
- PC — PUMPED CONDENSATE
- LL — REFRIGERANT LIQUID LINE
- SL — REFRIGERANT SUCTION LINE
- G — LOW PRESSURE NATURAL GAS
- MPG — MEDIUM PRESSURE NATURAL GAS

DUCTWORK SYMBOLS

- NEW DUCTWORK
- RISE OR DROP DIRECTION OF AIR FLOW (R / D)
- INTERNALLY LINED DUCT
- MANUAL VOLUME DAMPER
- BACKDRAFT DAMPER (BDD)
- MOTOR OPERATED DAMPER (M)
- DUCT SMOKE DETECTOR (DSD)
- FIRE DAMPER
- SMOKE DAMPER
- COMBINATION FIRE/SMOKE DAMPER
- HORIZONTAL FIRE DAMPER
- HORIZONTAL SMOKE DAMPER
- HORIZONTAL COMBINATION FIRE/SMOKE DAMPER
- FLEXIBLE CONNECTION
- UNDERCUT DOOR (UC)
- SUPPLY AIR DUCT SECTION
- RETURN OR OUTSIDE AIR DUCT SECTION
- EXHAUST AIR DUCT SECTION
- RECTANGULAR DUCT UP
- RECTANGULAR DUCT DOWN
- ROUND DUCT UP
- ROUND DUCT DOWN
- FLEXIBLE DUCTWORK

DIFFUSER, REGISTER, AND GRILLE SYMBOLS

- AIR DEVICE TAG (XxX CFM)
- SUPPLY DIFFUSER
- RETURN OR RELIEF GRILLE
- EXHAUST GRILLE
- SIDEWALL GRILLE (SUPPLY), LOUVER (EXHAUST OR RETURN)
- SIDEWALL GRILLE (RETURN OR EXHAUST), LOUVER (OUTSIDE)
- LINEAR GRILLE
- ROUND DIFFUSER

REFERENCE SYMBOLS

- NEW MECHANICAL WORK
- EXISTING MECHANICAL WORK
- EXISTING MECHANICAL WORK TO BE DEMOLISHED
- ENLARGED PLAN BORDER
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- SECTION IDENTIFIER (1 / MX.X)
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- REVISION CLOUD INDICATES WHERE SECTION APPEARS
- INDICATES REVISION & NUMBER
- FLAG NOTE (1)
- EQUIPMENT IDENTIFIER (AHU-XXX)
- POINT OF CONNECTION
- NORTH ARROW
- MECHANICAL ACCESS

BUILDING CODES:

2018 INTERNATIONAL BUILDING CODE

2018 UNIFORM PLUMBING CODE

2018 WASHINGTON STATE ENERGY CODE AND WASHINGTON STATE AMENDMENTS

AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) 7-16

MECHANICAL SHEET INDEX

GENERAL NOTES:

GENERAL:

1. COORDINATE MECHANICAL WORK WITH ELECTRICAL, ARCHITECTURAL, STRUCTURAL, CIVIL AND LANDSCAPE WORK SHOWN ON OTHER CONTRACT DOCUMENTS. PROVIDE ADDITIONAL OFFSETS FOR COORDINATED INSTALLATION WHERE REQUIRED.
2. COORDINATE HVAC, PLUMBING AND FIRE PROTECTION 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 DUCT AND PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE DUCT AND PIPING DIMENSIONS BEFORE FABRICATION.
5. PROVIDE MISCELLANEOUS STEEL REQUIRED TO ENSURE PROPER INSTALLATION OF MECHANICAL SYSTEMS.
6. LOCATE VALVES, WATER HAMMER ARRESTERS, CLEANOUTS, DAMPERS, 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/ENGINEER. INSTALL TAG ON CEILING GRID FRAME TO INDICATE LOCATION AND TYPE OF EQUIPMENT THAT REQUIRES MAINTENANCE. PROVIDE 16 GA. STEEL, FLUSH TYPE ACCESS DOOR WITH CONCEALED HINGE AND SLOT SCREWDRIVER TYPE CAM LATCH. PROVIDE FACTORY PRIMED IN PAINTED SURFACE AREAS FOR FIELD PAINTING. PROVIDE STAINLESS STEEL FOR ALL OTHER AREAS. PROVIDE UL LISTED AND LABELED DOOR WHERE FIRE-RESISTANCE RATING IS INDICATED ON DRAWINGS. ACCESS DOOR SHALL BE SIZED SO THAT ADJACENT EQUIPMENT IS ACCESSIBLE. PROVIDE ACUDOR, ELMDOR, MILCOR, OR APPROVED.
7. COORDINATE ATTACHMENTS TO STRUCTURE TO VERIFY THAT ATTACHMENT POINTS ON EQUIPMENT AND STRUCTURE CAN ACCEPT SEISMIC, WEIGHT, AND OTHER LOADS IMPOSED.
8. REFER TO TYPICAL DETAILS PROVIDED IN THIS DWG SET FOR DUCTWORK, PIPING, AND EQUIPMENT INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR CONFORMANCE WITH DETAILS.
9. 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 EXISTING WALLS, CEILINGS, FLOORS AND ROOFS AS REQUIRED TO ACCOMMODATE WORK AS INDICATED IN THE MECHANICAL CONTRACT DOCUMENTS, UNLESS SPECIFICALLY SHOWN ON ARCHITECTURAL DRAWINGS.
10. PROVIDE ELASTOMERIC FOAM MATERIAL ON MECHANICAL EQUIPMENT THAT PRESENT A SAFETY HAZARD.
11. 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.
12. 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.
13. 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.
14. 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.
15. BUILDING SPACE IS LIMITED. STRONG ATTENTION TO DETAIL AND CARE MUST BE TAKEN WHEN DEVELOPING SHOP DRAWING SO ROUTING IS COORDINATED WITH OTHER DISCIPLINES.
16. MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723.
17. MECHANICAL EQUIPMENT, PACKAGED UNITS, CONTROL PANELS, MOTOR STARTER, MOTOR CONTROLLERS, VARIABLE FREQUENCY DRIVES AND SIMILAR EQUIPMENT SHALL CARRY A SHORT CIRCUIT CURRENT RATING (SCCR) EQUAL TO OR GREATER THAN AVAILABLE FAULT CURRENT DELIVERED FROM ELECTRICAL SYSTEM. INCLUDE VISIBLE FACTORY NAMEPLATE FOR SUCH EQUIPMENT INDICATING SCCR OF EQUIPMENT IN ACCORDANCE WITH UL 1995 AND UL 508A.

PIPING:

1. PROVIDE AN AUTOMATIC AIR VENT AT THE HIGH POINT OF EACH DROP IN THE HEATING WATER, CHILLED WATER, AND OTHER CLOSED WATER PIPING SYSTEMS. PIPE VENT TO NEAREST DRAIN. PIPING SHALL GRADE TO LOW POINTS. PROVIDE HOSE END DRAIN VALVES AT THE BOTTOM OF RISERS AND LOW POINTS.
2. VALVES SHALL BE INSTALLED SO THAT VALVE REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON EQUIPMENT SIDE OF VALVE IS REMOVED.
3. VALVES (EXCEPT CONTROL VALVES) AND STRAINERS SHALL BE FULL SIZE OF PIPE BEFORE REDUCING SIZE TO MAKE CONNECTIONS TO EQUIPMENT AND CONTROLS.
4. 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.
5. PROVIDE FLEXIBLE CONNECTORS IN PIPING SYSTEMS CONNECTED TO AIR HANDLING EQUIPMENT, PUMPS, CHILLERS, COOLING TOWERS, AND OTHER EQUIPMENT WHICH REQUIRE VIBRATION ISOLATION.
6. PROVIDE LINE SIZE STRAINER UPSTREAM OF EACH BACKFLOW PREVENTER, WATER PRESSURE REDUCING VALVE, AUTOMATIC FLOW CONTROL VALVE, CONTROL VALVE, SOLENOID VALVE, GAS PRESSURE REGULATOR, AND PUMP, PROVIDE SHUTOFF VALVE ON EACH SIDE OF STRAINER.
7. VALVES, EXPANSION FITTINGS/LOOPS, AND PIPING SPECIALTIES SHALL BE FULL SIZE OF PIPE UNLESS NOTED OTHERWISE.

HVAC/SHEET METAL:

1. DUCTWORK DIMENSIONS, AS SHOWN ON THE DRAWINGS, ARE INTERNAL CLEAR DIMENSIONS AND DUCT SIZE SHALL BE INCREASED TO COMPENSATE FOR DUCT LINING THICKNESS.
2. PROVIDE TEMPORARY COVERS OVER OPEN ENDS OF EQUIPMENT AND DUCTWORK DURING CONSTRUCTION.
3. PROVIDE MANUAL VOLUME DAMPER FOR EACH DIFFUSER, REGISTER, AND GRILLE.
4. PROVIDE DUCT ACCESS DOORS AT DUCT SMOKE DETECTORS, BACKDRAFT DAMPERS, MOTORIZED CONTROL DAMPERS, FIRE DAMPERS, SMOKE DAMPERS, COMBINATION FIRE/SMOKE DAMPERS, DUCT MOUNTED COILS, DUCT AIRFLOW STATIONS AND LOUVER PLENUMS.
5. ALL DUCTWORK SHALL BE CONSTRUCTED AND SEALED PER IMC.
6. ALL DUCTWORK IS LOW PRESSURE.
7. PROVIDE THE FOLLOWING MINIMUM BRANCH DUCT SIZE TO DIFFUSERS, REGISTERS, AND GRILLES, UNLESS NOTED TO USE LARGER SIZE ON DRAWINGS:
   - 7.1. 6"Ø: 100 CFM
   - 7.2. 8"Ø: 200 CFM
   - 7.3. 10"Ø: 300 CFM
   - 7.4. 12"Ø: 450 CFM
   - 7.5. 14"Ø: 600 CFM
   - 7.6. 16"Ø: 750 CFM

ENERGY CODE: *(STATE ENERGY CODE)*

1. MOTORS: COMPLY WITH MINIMUM FULL LOAD EFFICIENCIES LISTED IN THE STATE ENERGY CODE.
2. PIPING AND DUCT INSULATION: COMPLY WITH THICKNESS AND TYPES LISTED IN THE STATE ENERGY CODE.
3. DUCT SEALING: SEAL DUCT TRANSVERSE JOINTS AND LONGITUDINAL SEAMS PER THE STATE ENERGY CODE.
4. RECORD DRAWINGS: PROVIDE PER THE STATE ENERGY CODE.
5. OPERATION AND MAINTENANCE MANUALS: PROVIDE PER THE STATE ENERGY CODE.
6. SYSTEM BALANCING: PROVIDE PER THE STATE ENERGY CODE.
7. MECHANICAL SYSTEMS COMMISSIONING: PROVIDE PER THE STATE ENERGY CODE.
8. THIS BUILDING AND ITS ENERGY SYSTEMS HAVE BEEN DESIGNED TO COMPLY WITH THE STATE ENERGY CODE. CONTRACTOR IS RESPONSIBLE FOR CORRECT INSTALLATION OF ENERGY CONSERVATION MEASURES.
9. BUILDING PRESSURE TESTING: COORDINATE PHASING OF BUILDING ENVELOPE LEAKAGE TESTING WITH MECHANICAL SYSTEM SCOPES OF WORK, TEMPORARILY CAP SYSTEMS AS REQUIRED TO FACILITATE LEAKAGE TESTING SCOPE OF WORK.
10. DAMPER ACTUATION: CONFIGURE AUTOMATIC CONTROLS TO CLOSE OUTDOOR AIR INTAKE AND RELIEF DAMPERS DURING UNOCCUPIED EQUIPMENT OPERATION.
11. AUTOMATIC SETBACK AND SHUT-DOWN: PROVIDE AUTOMATIC SETBACK AND SHUTDOWN WITH MANUAL OVERRIDE FUNCTIONS CONTROLLED BY EITHER AN AUTOMATIC TIME CLOCK OR 7 DAY PROGRAMMABLE CONTROLS.
12. AUTOMATIC START / STOP: PROVIDE AUTOMATIC START AND STOP CONTROLS PER SECTION C403.4.2.3 OF THE WSEC. START CONTROLS SHALL BE CONFIGURED IN A WAY TO BRING THE SPACE'S TEMPERATURE UP TO THE DESIGN TEMPERATURE PRIOR TO SCHEDULED OCCUPANCY. STOP CONTROLS SHALL BE CONFIGURED IN A WAY TO REDUCE THE HEATING SETPOINT AND INCREASE THE COOLING SETPOINT BY 2F PRIOR TO SCHEDULED UNOCCUPANCY.

NON-STRUCTURAL MECHANICAL COMPONENTS:

1. THE FOLLOWING ITEMS ARE TAKEN DIRECTLY FROM THE INTERNATIONAL BUILDING CODE AND FROM THE AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) STANDARD 7-10. THE CONTRACTOR SHALL REFER TO THE ABOVE FOR ADDITIONAL INFORMATION, EXCEPTIONS, AND FURTHER DESCRIPTIONS, THE CONTRACTOR SHALL ADHERE TO REQUIREMENTS AND AS SUCH, SHALL BE INCLUDED WITHIN BID.
2. IBC 1613.1 SCOPE: ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND NON-STRUCTURAL COMPONENTS THAT ARE PERMANENTLY ATTACHED TO STRUCTURES AND THEIR SUPPORTS AND ATTACHMENTS SHALL BE DESIGNED AND CONSTRUCTED TO RESIST THE EFFECTS OF EARTHQUAKE MOTIONS IN ACCORDANCE WITH ASCE 7-10, EXCLUDING CHAPTER 14 AND APPENDIX 11A.
3. IBC 1705.11 CONTRACTOR RESPONSIBILITY: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF A SEISMIC-FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM, OR SEISMIC-RESISTING COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS.

EXISTING MECHANICAL:

1. WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER. CARE SHALL BE EXERCISED TO MINIMIZE ANY INCONVENIENCE OR DISTURBANCE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. ISOLATE WORK AREAS BY MEANS OF TEMPORARY PARTITIONS AND/OR TARPS TO KEEP DUST AND DIRT WITHIN THE CONSTRUCTION AREA.
2. EXISTING MATERIALS THAT ARE REMOVED SHALL NOT BE REUSED IN NEW SYSTEMS, EXCEPT WHERE INDICATED AS BEING RELOCATED.
3. WHERE INDICATED, DUCTWORK AND PIPING OR PORTIONS OF DUCTWORK AND PIPING SHALL BE REUSED. REFER TO DRAWING PLANS FOR POINTS OF CONNECTIONS.
4. PROVIDE TEMPORARY SUPPORT OF EXISTING MECHANICAL SYSTEMS WHERE REQUIRED BY DEMOLITION OR ALTERATION OF EXISTING STRUCTURE DURING CONSTRUCTION. COORDINATE WITH GENERAL CONTRACTOR AND PROVIDE ALL NECESSARY PIPE, DUCT AND EQUIPMENT SUPPORTS AND HANGERS TO MAINTAIN INTEGRITY, SAFETY AND PROPER OPERATION OF EXISTING MECHANICAL SYSTEMS FOR THE DURATION OF THE WORK.

DEMOLITION:

1. TAKE CAUTION IN DEMOLITION OF MECHANICAL EQUIPMENT.
2. CONTRACTOR SHALL REMOVE AND LEGALLY DISPOSE OF ALL PIPING, DUCTWORK, AND EQUIPMENT INDICATED ON DRAWINGS INCLUDING ALL ASSOCIATED INSULATION, HANGERS, VALVES, PLENUM WALLS, DAMPERS, WIREMOLD, WIRING, CONTROLS, AND APPURTENANCES ASSOCIATED WITH EACH PIECE OF EQUIPMENT.
3. EXISTING CONTROL PATHWAYS MAY BE RE-USED. COORDINATE CONTROLS DEMO WORK PRIOR TO DEMOLITION. REMOVE ALL EXISTING THERMOSTATS SHOWN ON THE DRAWINGS ALONG WITH ASSOCIATED WIRING AND RACEWAYS.
4. WHERE EXISTING ITEMS PENETRATE A WALL OR ROOF, CONTRACTOR SHALL PROVIDE INFILL AT (E) PENETRATIONS THROUGH WALL/ROOF WITH LIKE MATERIALS. PATCH & REPAIR TO MATCH SURROUNDING SURFACES INCLUDING PAINT.
5. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT OF EXISTING MECHANICAL EQUIPMENT WHERE REQUIRED BY DEMOLITION OR ALTERATION OF EXISTING STRUCTURE DURING CONSTRUCTION. COORDINATE WITH GC AND PROVIDE NECESSARY SUPPORTS AND HANGERS TO MAINTAIN INTEGRITY, SAFETY AND PROPER OPERATION OF EXISTING MECHANICAL SYSTEMS.
6. THE OWNER HAS THE RIGHT TO RETAIN OWNERSHIP OF ANY MATERIALS BEING REMOVED. DELIVER ITEMS TO THE OWNER'S REPRESENTATIVE AS INDICATED IN THE CONTRACT DOCUMENTS. NOTIFY OWNER IN WRITING AT LEAST 7 DAYS IN ADVANCE OF DEMOLITION.

CLOSEOUT DOCUMENTATION:

PROVIDE PROJECT CLOSE OUT DOCUMENTATION AND TRAINING OF BUILDING OPERATIONS PERSONNEL IS REQUIRED FOR ALL MECHANICAL COMPONENTS, EQUIPMENT AND SYSTEMS GOVERNED BY THIS CODE; CLOSE OUT DOCUMENTATION SHALL INCLUDE: RECORD DOCUMENTS, O&M MANUALS, APPLICABLE WSEC MECHANICAL EQUIPMENT COMPLIANCE REPORTS AND CALCULATIONS.

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SCOTT AARON MILLER — STATE OF WASHINGTON — 40508 — REGISTERED PROFESSIONAL ENGINEER — 3/10/23

Professional seal

No.	Issue Description	Date
	PERMIT SET	03.10.23

City Electronic Stamp Location

CLIENT APPROVAL DATE

City Electronic Stamp Location

Drawn by: TO Project Manager: SM

Project No: 23023

MECHANICAL LEGEND & GENERAL NOTES

Original drawing is 30" x 42". Scale entities accordingly if reduced

M0.1

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

EXISTING PACKAGED GAS ROOFTOP UNIT SCHEDULE

TAG	LOCATION	MANUFACTURER/MODEL	FLOW	ESP	GAS HEATING		COOLING		ELECTRICAL			WEIGHT	NOTES
					INPUT CAPACITY (MBH)	OUTPUT CAPACITY (MBH)	TOTAL CAPACITY (MBH)	EER	MCA	MOCP	VOLTAGE/ PHASE V/Ø		
			(CFM)	(IN WC)					(AMPS)	(AMPS)		(LBS)	
RTU-3	ROOF	CARRIER / 48TMD006	2000	0.5	74	59.2	57.8	10	13.2	20	460/3	775	1
RTU-4	ROOF	CARRIER / 48TMD009	3400	0.5	125	72 / 100	1000	10.1	21	25	460/3	1098	1

NOTES:
1) RTU IS EXISTING TO REMAIN.

EXISTING EXHAUST FAN SCHEDULE

TAG	MANUFACTURER / MODEL	FAN		MOTOR		NOTES
		FLOW (CFM)	ESP (IN WC)	POWER (HP)	VOLTAGE/PHASE (V/Ø)	
EF-1	FANTECH / FX-6	197	0.375	0.74	115/1	1
EF-2	NUTONE / QTRN100	90	0.25	0.9	115/1	1
EF-3	FANTECH / FX-6	197	0.375	0.74	115/1	1
EF-4	ILG / CRBA12-1/4	1200	0.5	0.25	115/1	1
EF-5	ILG / CRBA10-1/4	550	-	-	115/1	1, 2

NOTES:
1) UNIT IS EXISTING TO REMAIN.
2) FAN SHALL BE REBALANCED TO THE SPECIFIED FLOW.

PACKAGED GAS/ELECTRIC ROOFTOP UNIT SCHEDULE

TAG	LOCATION	MANUFACTURER/MODEL	FAN				CONDENSER FAN		HEATING (HEAT PUMP MODE)			HEATING (SECONDARY ELECTRIC MODE)							COOLING			ELECTRICAL			FILTER	DIMENSIONS (LxWxHT)	WEIGHT	NOTES
			FLOW	ESP	SPEED	MOTOR	DRIVE TYPE	FLA	OUTPUT CAPACITY	EAT	LAT	OUTPUT CAPACITY	DELTA T	HEATER RATING	STAGE	MCA	MFS	MCB	TOTAL CAPACITY	SENSIBLE CAPACITY	EER	MCA	MOP	VOLTAGE/ PHASE				
			(CFM)	(IN WC)	(RPM)	(HP)		(AMPS)	(MBH)	(°F)	(°F)	(MBH)	(°F)	(kW)		(AMPS)	(AMPS)	(AMPS)	(MBH)	(MBH)		(AMPS)	(AMPS)	V/Ø	(# - WxHxD)	(INxINxIN)	(LBS)	
RTU-1	ROOF	TRANE / WHC102H4RG	3000	0.5	1218	2.75	1218	1.6	64.81	60	80	61.47	18.87	18	1	49	50	50	100	77	12	49	50	460/3	4 - 20"x25"x2"	88x53x47	855	1

NOTES:
1) EXISTING UNIT: CARRIER 48TMD028. OBTAIN SERIAL NUMBER TO VERIFY ACTUAL DIMENSIONS PRIOR TO ORDERING CURB ADAPTER.
2) INSTALL DUCT SMOKE DETECTOR IN RETURN DUCT OF UNIT.
3) STAGED HEATING OPERATION SHALL BE CONTROLLED WITH A LOCKOUT-TEMPERATURE OF 40F.

ENERGY RECOVERY VENTILATOR SCHEDULE

TAG	MANUFACTURER / MODEL	AIRFLOW	ESP	ENTHALPY COOLING EFFICIENCY	ENTHALPY HEATINGING EFFICIENCY	ELECTRICAL				DIMENSIONS (LxWxHT)	WEIGHT	NOTES
						POWER	VOLTAGE/ PHASE	MCA	MOCP			
		(CFM)	(IN, WG)	(%)	(%)	(KW)	V/Ø	(AMPS)	(AMPS)	(INxINxIN)	(LBS)	
ERV-1	MITSUBISHI / TLGHF0470RVX02A	470	1	73	83	0.425	208/1	5.1	15	41x51x15	110	1

NOTES:
1) PROVIDE WITH STANDARD MERV 7 FILTER.

ELECTRIC DUCT COIL SCHEDULE

TAG	MANUFACTURER / MODEL	DUCT DIMENSION (WxH) (INxIN)	ELECTRICAL				TEMP SETPOINT (F)	MIN VELOCITY (FPM)	CONTROL OPTION	AIRFLOW CODE	SPECIAL FEATURE CODE	NOTES
			CAPACITY (KW)	STAGES	CURRENT (AMPS)	VOLTAGE/PHASE (V/Ø)						
EDC-1	INDEECO / QUA	12x12	2.5	1	12.02	208/1	70	180	K	U8	E36, E23, L6, M6, Q1, Q4, T2, U8, Z3	1

NOTES:
1) PROVIDE WITH PECO ELECTRONIC DUCT T'STAT, 1031404 & 1031407 (SENSOR).

DIFFUSER, REGISTER, AND GRILLE SCHEDULE

TAG	MANUFACTURER / MODEL	TYPE	MATERIAL (NOTE 8).	FINISH	FACE STYLE	FACE SIZE	DUCT INLET	MOUNTING	PATTERN	DAMPERS	ACCESSORIES	NOTES
A	PRICE / SMCD	MODULAR CORE SUPPLY DIFFUSER	ST	WHITE	-	NOTE 2	NOTE 3	NOTE 4	-	NONE	-	1, 5, 7
E	PRICE / 80F	EGGCRATE GRILLE	AL	WHITE	-	NOTE 2	NOTE 3	NOTE 4	-	NONE	-	-
R	PRICE / 530RL	RETURN / EXHAUST GRILLE	ST	NOTE 7	-	NOTE 2	NOTE 3	NOTE 4	-	NONE	-	-

NOTES:
1) SEE DRAWINGS FOR FACE SIZE (24x24 OR 12x12). PROVIDE 24x24 FOR LAY IN CEILINGS.
2) FACE SIZE DETERMINED FROM DUCT INLET SIZE.
3) SEE AIR DEVICE TAG FOR DUCT INLET SIZE.
4) COORDINATE BORDER TYPE (SURFACE MOUNT, SNAP IN, LAY-IN, SPLINE, DROPPED FACE, AND BEVELED DROP FACE) WITH ARCHITECTURAL CEILING PLANS.
5) COORDINATE BORDER TYPE WITH ARCHITECTURAL CEILING DETAILS.
7) PROVIDE CUSTOM COLOR PER ARCHITECT.
8) PROVIDE ALUMINUM DIFFUSERS, REGISTERS AND GRILLES IN KITCHENS, LOCKER ROOMS, ROOMS CONTAINING SHOWERS AND OTHER AREAS SUBJECT TO MOISTURE.

ABBREVIATIONS:
ST = STEEL, AL = ALUMINUM, BE = BAKED ENAMEL, AA = ANODIZED ALUMINUM, FA = FULLY ADJUSTABLE, TP = TWO POSITION, OPD = OPPOSED BLADE DAMPERS, ADJ = ADJUSTABLE, BA = BAKED ACRYLIC, BO = BLANK OFF, DB = DIRECTIONAL BLADES, AND P = PLENUM.

DUCT CONSTRUCTION SCHEDULE

DUCT SYSTEM	PRESSURE CLASS (IN WG)	MIN SMACNA SEAL CLASS	DUCT MATERIAL	DUCT DIMENSION (IN)	FLEX DUCT CONNECTION	INSULATION	NOTES
SUPPLY AIR	2	C	GA	NOTE 6	8 FOOT MAX	NOTE 7	1, 2, 3, 4, 5, 8
RETURN AIR	2	C	GA	NOTE 6	-	NOTE 7	1, 2, 3, 4, 5, 8
EXHAUST AIR	2	B	GA	NOTE 6	-	NOTE 7, NOTE 9	1, 2, 3, 4, 5, 8
OUTDOOR AIR	2	C	GA	NOTE 6	-	NOTE 7, NOTE 9	1, 2, 3, 4, 5, 8

NOTES:
1) DUCT CONSTRUCTION, INCLUDING SHEET METAL THICKNESSESS, SEAM AND JOINT CONSTRUCTION, REINFORCEMENTS, AND HANGERS AND SUPPORTS, SHALL COMPLY WITH SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE.
2) DUCTWORK WILL BE SEALED TO MEET SMACNA SEAL CLASS A AS A MINIMUM AND TO LIMIT DUCTWORK LEAKAGE NOT EXCEEDING 1% OF THE DESIGN FLOW RATE FOR HIGH PRESSURE DUCTWORK AND 2% FOR LOW PRESSURE DUCTWORK.
3) ALL DUCTWORK SHALL COMPLY WITH ASTM A 653/A 653M AND SHALL BE CONSTRUCTED AND SEALED PER THE INTERNATIONAL MECHANICAL CODE.
4) GALVANIZED COATING DESIGNATION: G90.
5) SEISMIC SUPPORT SHALL WITHSTAND THE EFFECT OF GRAVITY AND SEISMIC LOADS AND STRESSES WITHIN LIMITS AND UNDER CONDITIONS DESCRIBED IN SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE" AND AS REQUIRED BY LOCAL JURISDICATIONS.
6) OUTSIDE AIR DUCTWORK SHALL MEET AIR LEAKAGE REQUIREMENTS PER WSEC SECTION C402.5 AND VAPOR RETARDER REQUIREMENTS PER IBC.
7) SUPPLY AND RETURN DUCTWORK IN UNCONDITIONED SPACES SHALL BE MINIMUM R-6. OUTSIDE AIR DUCTWORK INSULATION SHALL BE MINIMUM R-8.
8) INSULATION MATERIAL SHALL BE FIBERGLASS.
9) INSULATE OUTSIDE / EXHAUST AIR PLENUMS WITH R-VALUE EQUAL OR GREATER THAN THE BUILDING ENVELOPE UP TO THE BACKDRAFT/ MOTORIZED DAMPER.

DUCT INSULATION

CODE	SERVICE	MATERIAL	R-VALUE	NOTES
WSEC	SUPPLY & RETURN IN UNCONDITIONED SPACE	MINERAL - WOOL BLANKET	6.0	1,2,4,5,6
	SUPPLY & RETURN IN OUTSIDE OF BUILDING	MINERAL - WOOL BLANKET	8.0	1,2,4,5,6
	SUPPLY WITH TEMP <55F OR 105F IN CONDITION SPACE	MINERAL - WOOL BLANKET	3.3	1,2,4,5,6
	EXPOSED SUPPLY DUCTS IN CONDITIONED SPACE	MINERAL - WOOL BLANKET	0.0	1,2,4,5,6
	OUTSIDE AIR FROM EXTERIOR OF BUILDING TO AUTOMATIC SHUT OFF DAMPER OR HEATING / COOLING EQUIPMENT AND > 2800 CFM	MINERAL - WOOL BLANKET	NOTE 2	1,2,4,5,6
	OUTSIDE AIR FROM EXTERIOR OF BUILDING TO AUTOMATIC SHUT OFF DAMPER OR HEATING / COOLING EQUIPMENT AND < 2800 CFM	MINERAL - WOOL BLANKET	7.0	1,2,4,5,6
WSMC	OUTSIDE AIR IN CONDITIONED SPACE	MINERAL - WOOL BLANKET	4.0	1,2,4,5,6
	FOR HEAT OR ERV SYSTEM, UPSTREAM OF HEAT EXCHANGER	MINERAL - WOOL BLANKET	4.0	1,2,4,5,6
	EXHAUST IN UNCONDITIONED SPACE	MINERAL - WOOL BLANKET	4.0	1,2,4,5,6

NOTES:
1) INSULATION SHALL COMPLY WITH WSMC AND WSEC
2) DUCTS SHALL MEET THE REQUIREMENT OF THE METAL FRAMED WALLS PER WSEC TABLE C402.1.4
3) VAPOR RETARDER S INSTALLED ON SUPPLY DUCT THAT DOES COOLING AND OUTSIDE AIR PER WSMC 604.11
4) EXTERNAL DUCKWORK INSULATION IS IDENTIFIABLE PER VSMC 604.7
5) ALL DUCTWORK IS CONSTRUCTED AND SEALED PER WSMC
6) INSULATION SHALL HAVE MAXIMUM FLAME SPREAD INDEX OF 25 AND MAXIMUM SMOKE DEVELOPED INDEX OF 50 PER WSMC 604.3

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Professional seal

No.	Issue Description	Date
	PERMIT SET	03.10.23

City Electronic Stamp Location

CLIENT APPROVAL DATE

City Electronic Stamp Location

Drawn by: TO Project Manager: SM

Project No: 23023

MECHANICAL SCHEDULES

Original drawing is 30" x 42". Scale entities accordingly if reduced

M0.2

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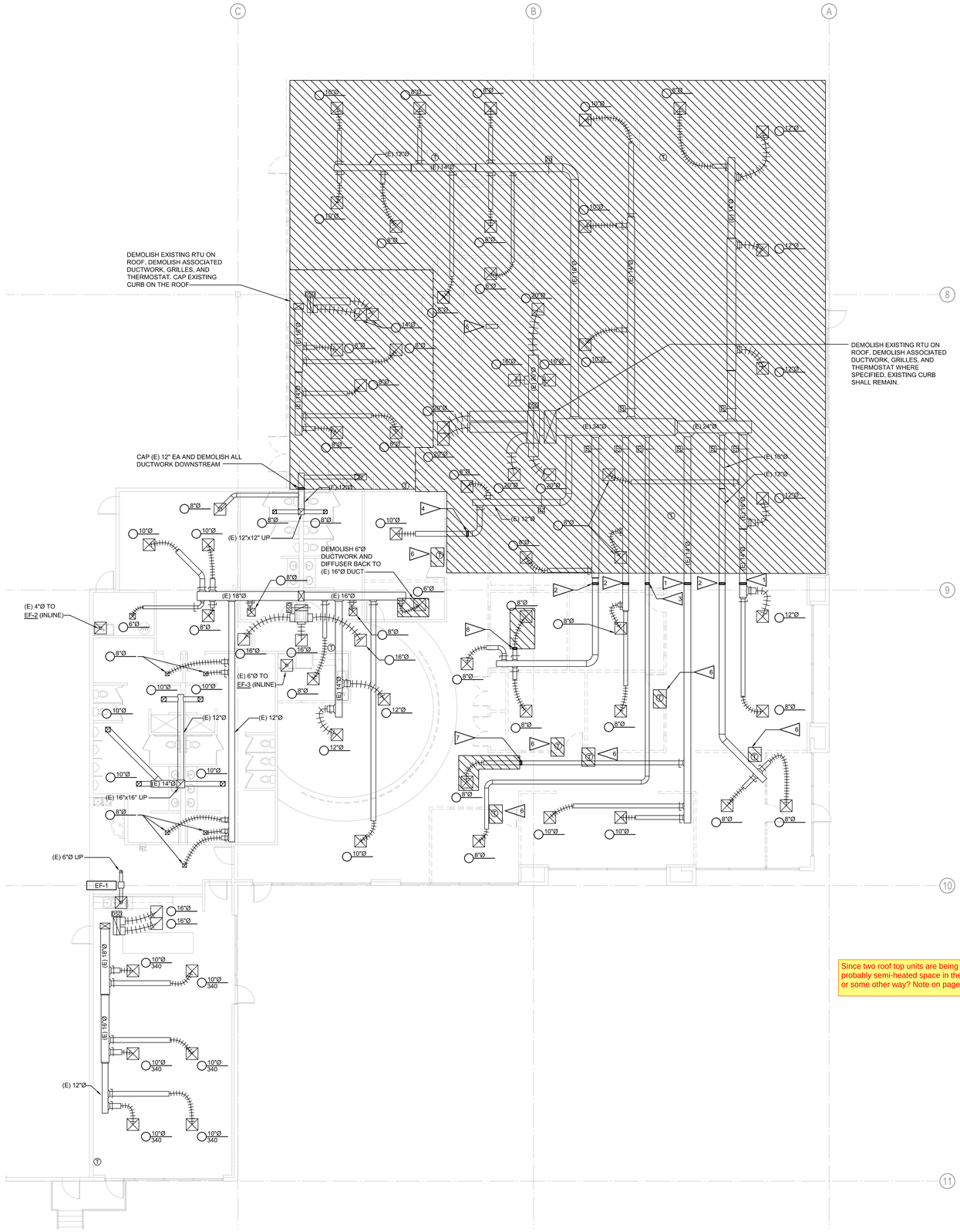
Building	Planning
Engineering	Public Works
Fire	Traffic



1 MD1.1 MECHANICAL DEMOLITION FLOOR PLAN
SCALE: 1/8" = 1'

GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF WORK.
2. CONTRACTOR SHALL COORDINATE WITH BUILDING OWNER AND FUTURE TENANTS PRIOR TO SHUTDOWN OF ANY UTILITIES.

FLAG NOTES:

1. CAP (E) 14"Ø DUCT. DEMOLISH EXISTING DUCTWORK UPSTREAM.
2. CAP (E) 12"Ø DUCT. DEMOLISH EXISTING DUCTWORK UPSTREAM.
3. CAP (E) 8"Ø DUCT. DEMOLISH EXISTING DUCTWORK UPSTREAM.
4. CAP (E) 10"Ø DUCT. DEMOLISH EXISTING DUCTWORK UPSTREAM.
5. DEMOLISH EXISTING INDOOR SPLIT SYSTEM AND DECOMMISSION CORRESPONDING OUTSIDE UNIT. DEMOLISH SUCTION AND LIQUID LINES BACK TO THE OUTSIDE UNIT.
6. DEMOLISH EXISTING THERMOSTAT.
7. REMOVE EXISTING 8"Ø DIFFUSER AND STORE FOR FUTURE USE. DEMOLISH EXISTING 8"Ø DUCTWORK AND CAP 8"Ø DUCT AT THE SPECIFIED LOCATION.
8. DEMOLISH EXISTING 8"Ø DIFFUSER AND ASSOCIATED FLEX DUCT, CAP (E) 8"Ø DUCT.

Since two roof top units are being removed from this area how is this area maintaining the probably semi-heated space in the warehouse i.e. unit heaters not exceeding 8 BTU's per SQ.FT. or some other way? Note on page MD1.1 of plans.

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MECHANICAL DEMOLITION FLOOR PLAN

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MD1.1

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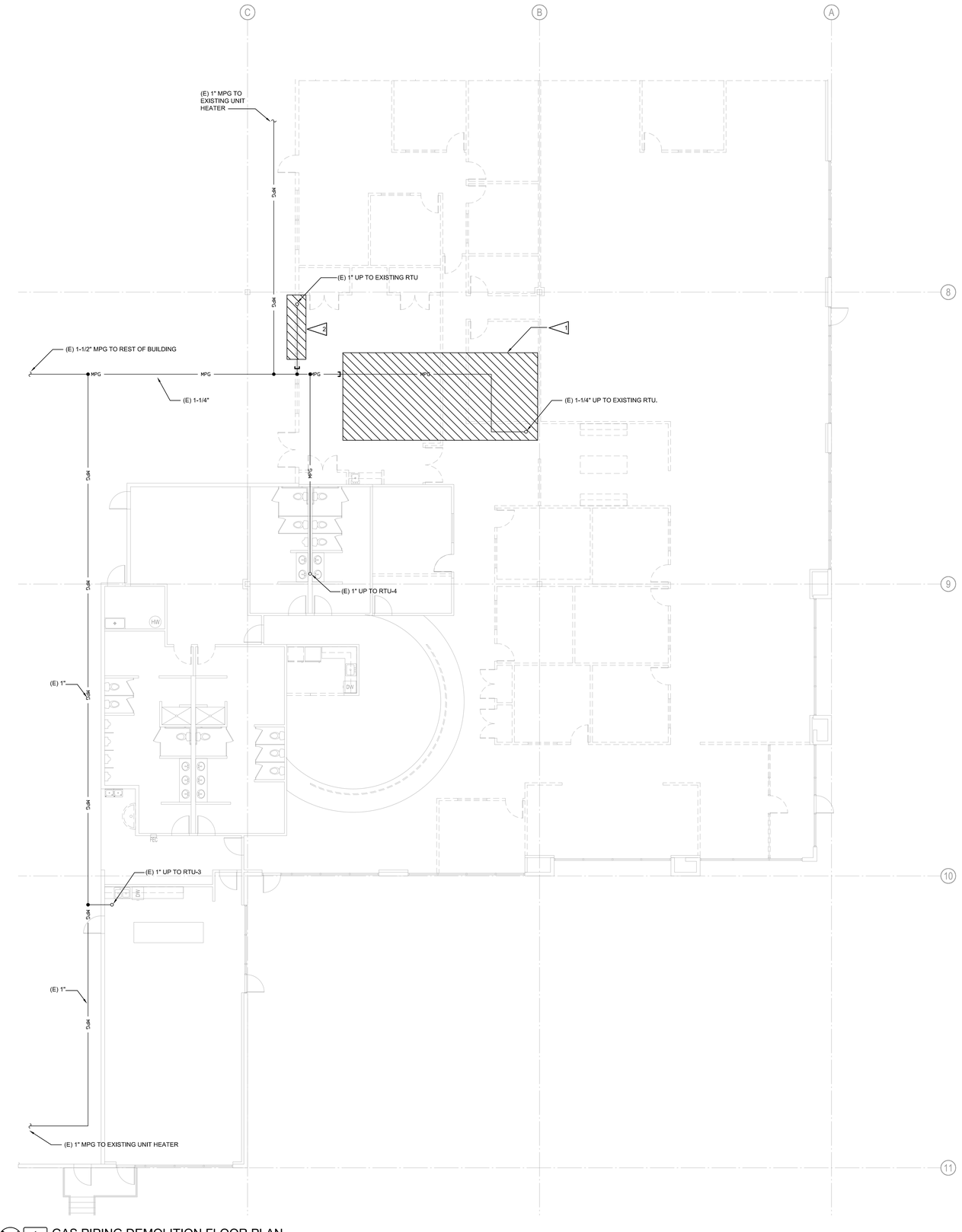
Building	Planning
Engineering	Public Works
Fire	Traffic



1 MD2.1 GAS PIPING DEMOLITION FLOOR PLAN
SCALE: 1/8" = 1'

GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF WORK.
2. CONTRACTOR SHALL COORDINATE WITH BUILDING OWNER AND FUTURE TENANTS PRIOR TO SHUTDOWN OF ANY UTILITIES.

FLAG NOTES:

1. DISCONNECT EXISTING RTU FROM THE MEDIUM PRESSURE GAS PIPING AND CAP (E) 1-1/4" MPG.
2. DISCONNECT EXISTING RTU FROM THE MEDIUM PRESSURE GAS PIPING AND CAP (E) 1" MPG.

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GAS PIPING DEMOLITION FLOOR PLAN

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MD2.1

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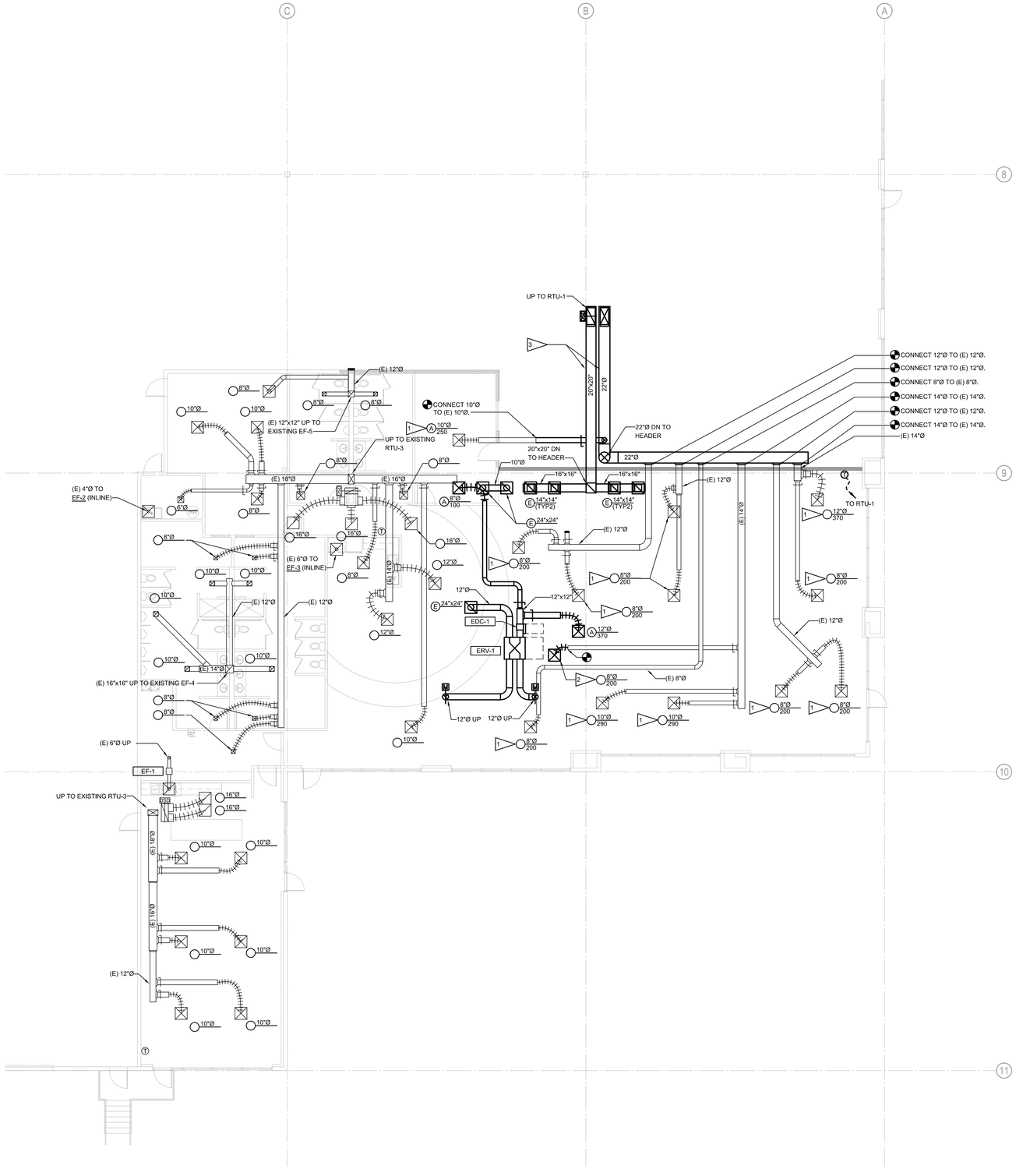
Building	Planning
Engineering	Public Works
Fire	Traffic



GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF WORK.
2. CONTRACTOR SHALL COORDINATE WITH BUILDING OWNER AND FUTURE TENANTS PRIOR TO SHUTDOWN OF ANY UTILITIES.

FLAG NOTES:

1. REBALANCE EXISTING DIFFUSER TO THE SPECIFIED AIRFLOW.
2. RELOCATE THE EXISTING 8"Ø DIFFUSER TO THE SPECIFIED LOCATION. RECONNECT THE 8"Ø DIFFUSER TO (E) 8"Ø WITH FLEX DUCT. REBALANCE THE DIFFUSER TO THE SPECIFIED AIRFLOW.
3. ROUTE DUCTWORK AS HIGH AS POSSIBLE.

1 MECHANICAL FLOOR PLAN
M1.1 SCALE: 1/8" = 1'

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MECHANICAL FLOOR PLAN

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M1.1

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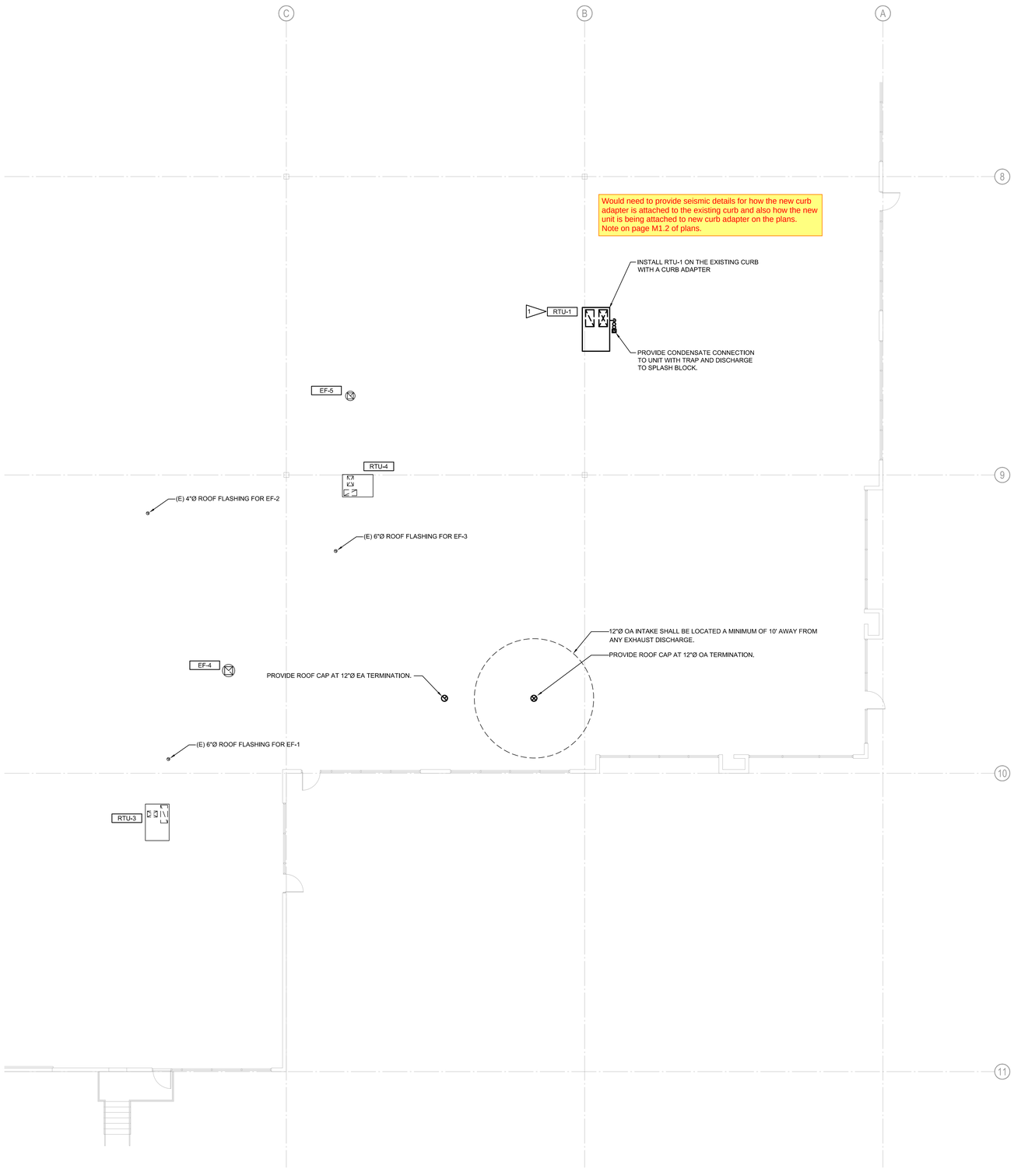
Building	Planning
Engineering	Public Works
Fire	Traffic



1 / M1.2 MECHANICAL ROOF PLAN
SCALE: 1/8" = 1'

GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF WORK.
2. CONTRACTOR SHALL COORDINATE WITH BUILDING OWNER AND FUTURE TENANTS PRIOR TO SHUTDOWN OF ANY UTILITIES.

FLAG NOTES:

1 DEMOLISHED RTU WEIGHT: 2270 LBS
NEW RTU WEIGHT: 855 LBS

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Project Manager: SM
Project No: 23023

MECHANICAL ROOF PLAN

Original drawing is 30" x 42". Scale entities accordingly if reduced

M1.2

ABBREVIATIONS:

Ø	DIAMETER, PHASE
ABV	ABOVE
AC	AIR CONDITIONING UNIT
AD	AREA DRAIN, ACCESS DOOR
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECT
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR-CONDITIONING ENGINEERS, INC.
ATM	ATMOSPHERE
AV	ACID RESISTANT (CHEMICAL) VENT
AW	ACID RESISTANT (CHEMICAL) WASTE
BF	BELOW FLOOR
BFF	BELOW FINISHED FLOOR
BHP	BRAKE HORSEPOWER
BLDG	BUILDING
BLW	BELOW
BOP	BOTTOM OF PIPE
BOT	BOTTOM
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
C	CONDENSATE DRAIN PIPING
CAP	CAPACITY
CBV	CIRCUIT BALANCING VALVE
CC	COOLING COIL
CD	CEILING DIFFUSER
CI	CAST IRON
CL	CENTER LINE
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COMB	COMBUSTION, COMBINATION
COND	CONDENSATE
CONN	CONNECTION
CONT	CONTINUE, CONTROL
CONTR	CONTRACTOR
COP	COEFFICIENT OF PERFORMANCE
CP	CONDENSATE PUMP
CT	COOLING TOWER
CV	CHECK VALVE, CONSTANT VOLUME
CW	DOMESTIC COLD WATER
DB	DRY BULB
DEPT	DEPARTMENT
DEG	DEGREE
DF	DRINKING FOUNTAIN
DFU	DRAINAGE FIXTURE UNIT
DI	DUCTILE IRON
DIA	DIAMETER
DIAG	DIAGRAM
DIFF	DIFFERENTIAL
DIM	DIMENSION
DN	DOWN
DWG	DRAWING
DWP	DOMESTIC WATER PUMP
(E)	EXISTING
EA	EACH, EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
ECG	EGGCRATE GRILLE
EDH	ELECTRIC DUCT HEATER
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EFF	EFFICIENCY
EG	EXHAUST GRILLE
EJ	EXPANSION JOINT
ELEC	ELECTRIC
ELEV	ELEVATION
EMCS	ENERGY MANAGEMENT CONTROL SYSTEM
EQUIP	EQUIPMENT
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
ETC	AND SO FORTH
EUH	ELECTRIC UNIT HEATER
EVAP	EVAPORATOR, EVAPORATIVE
EW	EYE WASH
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EX	EXHAUST
EXT	EXTERIOR, EXTERNAL
F	FIRE SPRINKLER
°F	DEGREES FAHRENHEIT
FCO	FLOOR CLEANOUT
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
F/D	FIRE DAMPER
FDC	FIRE DEPARTMENT CONNECTION
FFD	FUNNEL FLOOR DRAIN
FLA	FULL LOAD AMPS
FLR	FLOOR
FLEX	FLEXIBLE
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FS	FLOOR SINK
F/S/D	COMBINATION FIRE SMOKE DAMPER
FT	FEET, FINNED TUBE
G	GAS
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GPR	GAS PRESSURE REGULATOR
GR	GRILLE
GRD	GRILLES, REGISTERS, AND DIFFUSERS
GW	GREASE WASTE
GWB	GYPSUM WALLBOARD
HB	HOSE BIBB
HD	HEAD
HP	HEAT PUMP, HORSEPOWER
HR	HOUR
HT	HEIGHT
HVAC	HEATING, VENTILATION & AIR CONDITIONING
HW	DOMESTIC HOT WATER
HWC	DOMESTIC HOT WATER CIRCULATING
IAQ	INDOOR AIR QUALITY
I.E.	INVERT ELEVATION
IN	INCH
INCL	INCLUDING
INV	INVERT
KW	KILOWATT
L	LENGTH
LAT	LEAVING AIR TEMPERATURE
LAV	LAVATORY
LB	POUND
LD	LINEAR DIFFUSER
LF	LINEAR FEET
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	THOUSANDS OF BTUH
MCA	MINIMUM CIRCUIT AMPACITY
MECH	MECHANICAL
MED	MEDIUM
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MOCP	MAXIMUM OVERCURRENT PROTECTION
MPG	MEDIUM PRESSURE GAS
MS	MOP SINK
MTD	MOUNTED
MUA	MAKEUP AIR UNIT
(N)	NEW
NA, N/A	NOT APPLICABLE
NC	NOISE CRITERIA, NORMALLY CLOSED
NEG	NEGATIVE
NO	NORMALLY OPEN
NO.	NUMBER
NP	NON-POTABLE
NPW	NON-POTABLE WATER
NTS	NOT TO SCALE
OC	ON CENTER
ORWL	OVERFLOW RAIN WATER LEADER
OSA	OUTSIDE AIR
P	PRESSURE, PUMP
PH	PHASE
POC	POINT OF CONNECTION
PRESS	PRESSURE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PTRV	PRESSURE/TEMPERATURE RELIEF VALVE
PU	PUMP
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFERENCE
REG	REGISTER
REL	RELIEF
REQD	REQUIRED
ROD	ROOF OVERFLOW DRAIN
RPBA	REDUCED PRESSURE BACKFLOW ASSEMBLY
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RPM	REVOLUTIONS PER MINUTE
RTU	ROOFTOP UNIT
RV	RELIEF VALVE
RWL	RAIN WATER LEADER
SCH	SCHEDULE
SCHEM	SCHEMATIC
SPEC	SPECIFICATION
SQ	SQUARE
SRV	SAFETY RELIEF VALVE
SS	STAINLESS STEEL
ST	STORAGE TANK, SOUND TRAP
STD	STANDARD
STM	STEAM
STR	STARTER, STRUCTURAL
SUCT	SUCTION
SUP	SUPPLY
TEMP	TEMPERATURE
TOF	TOP OF FOOTING
TOP	TOP OF PIPE
TPRV	TEMPERATURE/PRESSURE RELIEF VALVE
TSP	TOTAL STATIC PRESSURE
T'STAT	THERMOSTAT
TYP	TYPICAL
UH	UNIT HEATER
UNOCC	UNOCCUPIED
URN	URINAL
V	VENT, VOLTS
VB	VACUUM BREAKER
VEL	VELOCITY
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT THRU ROOF
W	WASTE, WATT, WIDTH
W/	WITH
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WATER HEATER
WM	WATER METER
W/O	WITHOUT
WPD	WATER PRESSURE DROP
WSEC	WASHINGTON STATE ENERGY CODE
WSFU	WATER SUPPLY FIXTURE UNIT
WT	WEIGHT

REFERENCE SYMBOLS

- NEW MECHANICAL WORK
- EXISTING MECHANICAL WORK
- EXISTING MECHANICAL WORK TO BE DEMOLISHED
- ENLARGED PLAN BORDER
- MATCHLINE
- 1 / MX.X — SECTION IDENTIFIER
- 1 / MX.X — DETAIL OR DRAWING IDENTIFIER
- REVISION CLOUD INDICATES WHERE SECTION APPEARS
- INDICATES REVISION & NUMBER
- 1 — FLAG NOTE
- AHU-XXX — EQUIPMENT IDENTIFIER
- POINT OF CONNECTION
- NORTH ARROW
- MECHANICAL ACCESS

PLUMBING LINE DESIGNATION SYMBOLS

- DOMESTIC COLD WATER (POTABLE)
- DOMESTIC HOT WATER (POTABLE)
- DOMESTIC HOT WATER CIRCULATING (POTABLE)
- NPCW — NON-POTABLE COLD WATER
- NPHW — NON-POTABLE HOT WATER
- NPHWC — NON-POTABLE HOT WATER CIRCULATING
- IRR — IRRIGATION WATER
- SANITARY SEWER ABOVEGROUND
- SANITARY SEWER UNDERGROUND
- VENT PIPING
- GW — GREASE WASTE ABOVEGROUND
- GW — GREASE WASTE UNDERGROUND
- AW — ACID RESISTANT (CHEMICAL) WASTE ABOVEGROUND
- AW — ACID RESISTANT (CHEMICAL) WASTE UNDERGROUND
- AV — ACID RESISTANT (CHEMICAL) VENT PIPING
- A — COMPRESSED AIR
- VAC — VACUUM
- RWL — RAIN WATER LEADER
- ORWL — OVERFLOW RAIN WATER LEADER

PIPING ELEMENTS/VALVING

- VALVE
- CHECK VALVE
- BALANCING VALVE
- THREE WAY CONTROL VALVE
- TWO WAY CONTROL VALVE
- SOLENOID VALVE
- PRESSURE REDUCING VALVE (PRV)
- TEMPERATURE/PRESSURE RELIEF VALVE
- RELIEF/SAFETY VALVE
- MANUAL AIR VENT
- AAV — AUTOMATIC AIR VENT (EXTEND DISCHARGE TO DRAIN)
- FM — FLOW METER
- AUTOMATIC FLOW CONTROL VALVE
- DIRECTION OF FLOW
- D — DIRECTION OF PITCH-RISE OR DROP
- STRAINER
- STRAINER WITH BLOW OFF VALVE
- UNION
- ANCHOR
- GUIDE
- FS — FLOW SWITCH
- TT — TEMPERATURE TRANSMITTER
- PT/PS — PRESSURE TRANSMITTER OR PRESSURE SWITCH
- PRESSURE GAUGE
- THERMOMETER
- AQUASTAT
- GAUGE WITH GAUGE COCK & SIPHON (STEAM)
- GAS PRESSURE REGULATOR
- T — TEMPERATURE/PRESSURE TEST PORT
- BASKET STRAINER
- STEAM TRAP
- VB — VACUUM BREAKER
- FLEXIBLE CONNECTOR
- WM — WATER METER
- GM — GAS METER
- BACKFLOW PREVENTION DEVICE (REDUCED ZONE)
- BACKFLOW PREVENTION DEVICE (DOUBLE CHECK VALVE ASSEMBLY)
- WATER HAMMER ARRESTER
- PIPE CONTINUES
- PIPE CAP
- VTR — VENT THRU ROOF
- PIPE RISING UP
- PIPE DROPPING DOWN
- PIPE CONNECTION
- PIPE CONNECTION DOWN

GENERAL NOTES:

GENERAL:

1. COORDINATE MECHANICAL WORK WITH ELECTRICAL, ARCHITECTURAL, STRUCTURAL, CIVIL AND LANDSCAPE WORK SHOWN ON OTHER CONTRACT DOCUMENTS. PROVIDE ADDITIONAL OFFSETS FOR COORDINATED INSTALLATION WHERE REQUIRED.
2. COORDINATE HVAC, PLUMBING AND FIRE PROTECTION 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 DUCT AND PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE DUCT AND PIPING DIMENSIONS BEFORE FABRICATION.
5. PROVIDE MISCELLANEOUS STEEL REQUIRED TO ENSURE PROPER INSTALLATION OF MECHANICAL SYSTEMS.
6. LOCATE VALVES, WATER HAMMER ARRESTERS, CLEANOUTS, DAMPERS, 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/ENGINEER. INSTALL TAG ON CEILING GRID FRAME TO INDICATE LOCATION AND TYPE OF EQUIPMENT THAT REQUIRES MAINTENANCE. PROVIDE 16 GA. STEEL, FLUSH TYPE ACCESS DOOR WITH CONCEALED HINGE AND SLOT SCREWDRIVER TYPE CAM LATCH. PROVIDE FACTORY PRIMED IN PAINTED SURFACE AREAS FOR FIELD PAINTING. PROVIDE STAINLESS STEEL FOR ALL OTHER AREAS. PROVIDE UL LISTED AND LABELED DOOR WHERE FIRE-RESISTANCE RATING IS INDICATED ON DRAWINGS. ACCESS DOOR SHALL BE SIZED SO THAT ADJACENT EQUIPMENT IS ACCESSIBLE. PROVIDE ACUDOR, ELMDOR, MILCOR, OR APPROVED.
7. COORDINATE ATTACHMENTS TO STRUCTURE TO VERIFY THAT ATTACHMENT POINTS ON EQUIPMENT AND STRUCTURE CAN ACCEPT SEISMIC, WEIGHT, AND OTHER LOADS IMPOSED.
8. REFER TO TYPICAL DETAILS PROVIDED IN THIS DWG SET FOR DUCTWORK, PIPING, AND EQUIPMENT INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR CONFORMANCE WITH DETAILS.
9. 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 EXISTING WALLS, CEILINGS, FLOORS AND ROOFS AS REQUIRED TO ACCOMMODATE WORK AS INDICATED IN THE MECHANICAL CONTRACT DOCUMENTS, UNLESS SPECIFICALLY SHOWN ON ARCHITECTURAL DRAWINGS.
10. PROVIDE ELASTOMERIC FOAM MATERIAL ON MECHANICAL EQUIPMENT THAT PRESENT A SAFETY HAZARD.
11. 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.
12. 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.
13. 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.
14. 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.
15. BUILDING SPACE IS LIMITED. STRONG ATTENTION TO DETAIL AND CARE MUST BE TAKEN WHEN DEVELOPING SHOP DRAWING SO ROUTING IS COORDINATED WITH OTHER DISCIPLINES.
16. MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723.
17. MECHANICAL EQUIPMENT, PACKAGED UNITS, CONTROL PANELS, MOTOR STARTER, MOTOR CONTROLLERS, VARIABLE FREQUENCY DRIVES AND SIMILAR EQUIPMENT SHALL CARRY A SHORT CIRCUIT CURRENT RATING (SCCR) EQUAL TO OR GREATER THAN AVAILABLE FAULT CURRENT DELIVERED FROM ELECTRICAL SYSTEM. INCLUDE VISIBLE FACTORY NAMEPLATE FOR SUCH EQUIPMENT INDICATING SCCR OF EQUIPMENT IN ACCORDANCE WITH UL 1995 AND UL 508A.

PIPING:

1. PROVIDE AN AUTOMATIC AIR VENT AT THE HIGH POINT OF EACH DROP IN THE HEATING WATER, CHILLED WATER, AND OTHER CLOSED WATER PIPING SYSTEMS. PIPE VENT TO NEAREST DRAIN. PIPING SHALL GRADE TO LOW POINTS. PROVIDE HOSE END DRAIN VALVES AT THE BOTTOM OF RISERS AND LOW POINTS.
2. VALVES SHALL BE INSTALLED SO THAT VALVE REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON EQUIPMENT SIDE OF VALVE IS REMOVED.
3. VALVES (EXCEPT CONTROL VALVES) AND STRAINERS SHALL BE FULL SIZE OF PIPE BEFORE REDUCING SIZE TO MAKE CONNECTIONS TO EQUIPMENT AND CONTROLS.
4. 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.
5. PROVIDE FLEXIBLE CONNECTORS IN PIPING SYSTEMS CONNECTED TO AIR HANDLING EQUIPMENT, PUMPS, CHILLERS, COOLING TOWERS, AND OTHER EQUIPMENT WHICH REQUIRE VIBRATION ISOLATION.
6. PROVIDE LINE SIZE STRAINER UPSTREAM OF EACH BACKFLOW PREVENTER, WATER PRESSURE REDUCING VALVE, AUTOMATIC FLOW CONTROL VALVE, CONTROL VALVE, SOLENOID VALVE, GAS PRESSURE REGULATOR, AND PUMP. PROVIDE SHUTOFF VALVE ON EACH SIDE OF STRAINER.
7. VALVES, EXPANSION FITTINGS/LOOPS, AND PIPING SPECIALTIES SHALL BE FULL SIZE OF PIPE UNLESS NOTED OTHERWISE.

ENERGY CODE: *(STATE ENERGY CODE)*

1. MOTORS: COMPLY WITH MINIMUM FULL LOAD EFFICIENCIES LISTED IN THE STATE ENERGY CODE.
2. PIPING AND DUCT INSULATION: COMPLY WITH THICKNESS AND TYPES LISTED IN THE STATE ENERGY CODE.
3. DUCT SEALING: SEAL DUCT TRANSVERSE JOINTS AND LONGITUDINAL SEAMS PER THE STATE ENERGY CODE.
4. RECORD DRAWINGS: PROVIDE PER THE STATE ENERGY CODE.
5. OPERATION AND MAINTENANCE MANUALS: PROVIDE PER THE STATE ENERGY CODE.
6. SYSTEM BALANCING: PROVIDE PER THE STATE ENERGY CODE.
7. MECHANICAL SYSTEMS COMMISSIONING: PROVIDE PER THE STATE ENERGY CODE.
8. THIS BUILDING AND ITS ENERGY SYSTEMS HAVE BEEN DESIGNED TO COMPLY WITH THE STATE ENERGY CODE. CONTRACTOR IS RESPONSIBLE FOR CORRECT INSTALLATION OF ENERGY CONSERVATION MEASURES.
9. BUILDING PRESSURE TESTING: COORDINATE PHASING OF BUILDING ENVELOPE LEAKAGE TESTING WITH MECHANICAL SYSTEM SCOPES OF WORK. TEMPORARILY CAP SYSTEMS AS REQUIRED TO FACILITATE LEAKAGE TESTING SCOPE OF WORK.

NON-STRUCTURAL MECHANICAL COMPONENTS:

1. THE FOLLOWING ITEMS ARE TAKEN DIRECTLY FROM THE INTERNATIONAL BUILDING CODE AND FROM THE AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) STANDARD 7-10. THE CONTRACTOR SHALL REFER TO THE ABOVE FOR ADDITIONAL INFORMATION, EXCEPTIONS, AND FURTHER DESCRIPTIONS. THE CONTRACTOR SHALL ADHERE TO REQUIREMENTS AND AS SUCH, SHALL BE INCLUDED WITHIN BID.
2. IBC 1613.1 SCOPE: ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND NONSTRUCTURAL COMPONENTS THAT ARE PERMANENTLY ATTACHED TO STRUCTURES AND THEIR SUPPORTS AND ATTACHMENTS SHALL BE DESIGNED AND CONSTRUCTED TO RESIST THE EFFECTS OF EARTHQUAKE MOTIONS IN ACCORDANCE WITH ASCE 7-10, EXCLUDING CHAPTER 14 AND APPENDIX 11A.
3. IBC 1705.11 CONTRACTOR RESPONSIBILITY: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF A SEISMIC-FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM, OR SEISMIC-RESISTING COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS.

DEMOLITION:

1. TAKE CAUTION IN DEMOLITION OF MECHANICAL EQUIPMENT.
2. CONTRACTOR SHALL REMOVE AND LEGALLY DISPOSE OF ALL PIPING, DUCTWORK, AND EQUIPMENT INDICATED ON DRAWINGS INCLUDING ALL ASSOCIATED INSULATION, HANGERS, VALVES, PLENUM WALLS, DAMPERS, WIREMOLD, WIRING, CONTROLS, AND APPURTENANCES ASSOCIATED WITH EACH PIECE OF EQUIPMENT.
3. EXISTING CONTROL PATHWAYS MAY BE RE-USED. COORDINATE CONTROLS DEMO WORK PRIOR TO DEMOLITION. REMOVE ALL EXISTING THERMOSTATS SHOWN ON THE DRAWINGS ALONG WITH ASSOCIATED WIRING AND RACEWAYS.
4. WHERE EXISTING ITEMS PENETRATE A WALL OR ROOF, CONTRACTOR SHALL PROVIDE INFILL AT (E) PENETRATIONS THROUGH WALL/ROOF WITH LIKE MATERIALS. PATCH & REPAIR TO MATCH SURROUNDING SURFACES INCLUDING PAINT.
5. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT OF EXISTING MECHANICAL EQUIPMENT WHERE REQUIRED BY DEMOLITION OR ALTERATION OF EXISTING STRUCTURE DURING CONSTRUCTION. COORDINATE WITH GC AND PROVIDE NECESSARY SUPPORTS AND HANGERS TO MAINTAIN INTEGRITY, SAFETY AND PROPER OPERATION OF EXISTING MECHANICAL SYSTEMS.
6. THE OWNER HAS THE RIGHT TO RETAIN OWNERSHIP OF ANY MATERIALS BEING REMOVED, DELIVER ITEMS TO THE OWNER'S REPRESENTATIVE AS INDICATED IN THE CONTRACT DOCUMENTS. NOTIFY OWNER IN WRITING AT LEAST 7 DAYS IN ADVANCE OF DEMOLITION.

PLUMBING SHEET INDEX

BUILDING CODES:

2018 INTERNATIONAL BUILDING CODE

2018 UNIFORM PLUMBING CODE

2018 WASHINGTON STATE ENERGY CODE AND WASHINGTON STATE AMENDMENTS

AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) 7-16

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REGISTERED
PROFESSIONAL ENGINEER
3/10/23

Professional seal

No.	Issue Description	Date
	PERMIT SET	03.10.23

City Electronic Stamp Location

CLIENT APPROVAL DATE

City Electronic Stamp Location

Drawn by: TO Project Manager: SM

Project No: 23023

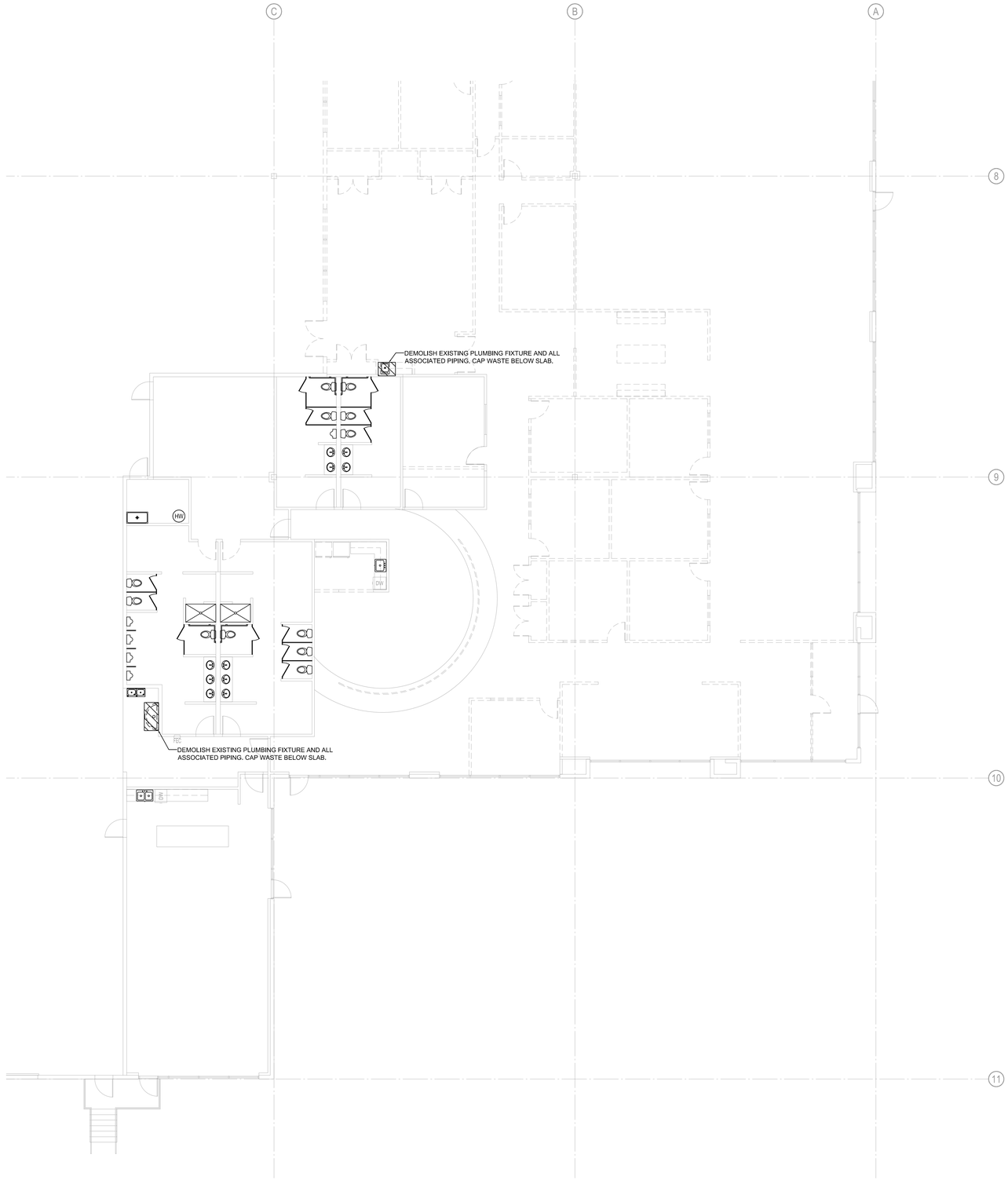
PLUMBING LEGEND & GENERAL NOTES

Original drawing is 30" x 42". Scale entities accordingly if reduced

P0.1

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



1 / PD1.1 PLUMBING DEMOLITION FLOOR PLAN
SCALE: 1/8" = 1'

GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF WORK.
2. CONTRACTOR SHALL COORDINATE WITH BUILDING OWNER AND FUTURE TENANTS PRIOR TO SHUTDOWN OF ANY UTILITIES.

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