PUYALLUP BELL PLACE

204 4TH ST SW, PUYALLUP, WA 98371

RESIDENTIAL DEVELOPMENT

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PROJECT DESCRIPTION

CONSTRUCTION OF A 5 STORY MULTI-FAMILY BUILDING WITH 100 RESIDENTIAL UNITS. 70 PARKING SPACES IN A GROUND FLOOR PARKING GARAGE. LOBBY AND LEASING OFFICE ON LEVEL 1 AND AMENITY DECK AND DOG RUN ON LEVEL 2.

CITY STAMP

VICINITY MAP

PROJECT TEAM

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Grand total: 187	

All items that are listed in the Deferred Submittals list need to be submitted for review prior to permit approval (Construction Set, Sheet G000)

DEFERRED SUBMITTALS

STOREFRONT WINDOW SYSTEM (SEE STRUCT. FOR MORE INFO)
MEP EQUIPMENT BRACING (SEE STRUCT. FOR MORE INFO)
ROOF TRUSSES (SEE STRUCT. FOR MORE INFO)
SUSPENDED SOFFITS AND CEILINGS, INCLUDING BRACING (SEE STRUCT. FOR MORE INFO)
CONTINUOUS THREADED ROD (SEE STRUCT. FOR MORE INFO)
ROOFTOP ANCHORAGE (SEE STRUCT. FOR MORE INFO)
GUARDRAILS AND HANDRAILS (SEE STRUCT. FOR MORE INFO)
POST TENSION REINFORCEMENT DRAWINGS AND CALCULATIONS (SEE STRUCT. FOR MORE INFO)
RAMMED AGGREGATE PIERS (SEE STRUCT. FOR MORE INFO)
PREFABRICATED BOLT ON BALCONIES (SEE STRUCT. FOR MORE INFO)

NOTE: ALL DEFERRED SUBMITTALS MUST BE REVIEWED AND APPROVED BY THE ARCHITECT OR ENGINEER OF RECORD PRIOR TO BEING SUBMITTED TO THE CITY OF PUYALLUP FOR REVIEW AND APPROVAL.

DELEGATED DESIGN

MASTER SIGNAGE PACKAGE (CODE RELATED SIGNAGE)
ROOF TIE-BACK EQUIPMENT AND LAYOUT
ELEVATOR SYSTEMS
METAL STAIRS

SEPARATE SUBMITTALS

FIRE SPRINKLERS NFPA STANDARD 13
FIRE ALARM SYSTEM
STANDPIPE SYSTEM
KNOX BOX
EMERGENCY RESPONDER IN-BUILDING RADIO ENHANCEMENT SYSTEM (DAS)
EXTERIOR BUILDING SIGNAGE (SEE STRUCT. FOR MORE INFO)

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
BUILDING PERMIT SET
REVISION: DESCRIPTION:

REPRODUCTION OF THIS DRAWING IS EXPRESSLY FORBIDDEN WITHOUT THE SPECIFIC WRITTEN PERMISSION OF C2K ARCHITECTURE INC.. THIS DRAWING IS ONLY CONDITIONALLY ISSUED, AND NEITHER RECEIPT OR POSSESSION THEREOF CONFERS OR TRANSFERS ANY RIGHT TO, OR LICENSE TO, USE THE SUBJECT MATTER OF THIS DRAWING OR ANY TECHNICAL INFORMATION SHOWN THEREON, NOR ANY RIGHT TO REPRODUCE THIS DRAWING OR PART THEREOF, WITHOUT THE WRITTEN AUTHORIZATION OF C2K ARCHITECTURE INC..

11707 REGISTERED ARCHITECT John R. Wright STATE OF WASHINGTON

SHEET TITLE:
COVER SHEET

SHEET NO.:
G000

BUILDING PERMIT SET

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SOUTH FACADE - ALONG PIONEER AVE

SE CORNER - INTERSECTION OF 4TH AND PIONEER

NORTH FACADE - ALONG MEEKER

WEST FACADE & SW CORNER - INTERSECTION OF 5TH AND PIONEER

NW CORNER - INTERSECTION OF 5TH & MEEKER

NE CORNER - INTERSECTION OF 4TH & MEEKER

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP
BELL PLACE

OWNER:
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PUYALLUP, WA 98371

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11707 REGISTERED ARCHITECT
JOHN R. WOHN
STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
IMAGES

SHEET NO.:
G010

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PROJECT INFORMATION

PROJECT NAME: URBAN PUYALLUP MIXED-USE - BELL PLACE

ADDRESS: 204 4TH ST SW, PUYALLUP, WA 98371

JURISDICTION: CITY OF PUYALLUP, WA

OWNER: Urban Puyallup Mixed Use LLC

ASSESSOR PARCEL#: 5745001641, 5745001632, 5745001631

LOT SIZE: 0.746 ACRES 32,516 S.F.

ZONING DISTRICT RM-CORE

SEISMIC ZONE: DESIGN CATEGORY D
OCCUPANCY GROUP: MULTIFAMILY R-2, GARAGE S-2
CONSTRUCTION TYPE: MULTIFAMILY V-B, GARAGE 1-A

BUILDING NARRATIVE

CONSTRUCTION OF A 5 STORY MULTI-FAMILY BUILDING WITH 100 RESIDENTIAL UNITS. 70 PARKING SPACES IN A GROUND FLOOR PARKING GARAGE. LOBBY AND LEASING OFFICE ON LEVEL 1 AND AMENITY DECK AND DOG RUN ON LEVEL 2.

APPLICABLE BUILDING REGULATIONS

2021 INTERNATIONAL BUILDING CODE (WSBC) W/ WASHINGTON STATE AMENDMENTS
2023 NATIONAL ELECTRICAL CODE (NEC) W/ WASHINGTON STATE AMENDMENTS
2021 INTERNATIONAL MECHANICAL CODE (IMC) W/ WASHINGTON STATE AMENDMENTS
2021 INTERNATIONAL PLUMBING CODE W/ WASHINGTON STATE AMENDMENTS
2021 INTERNATIONAL FUEL GAS CODE (IFGC)
2021 INTERNATIONAL FIRE CODE (IFC)
2019 CITY OF PUYALLUP DOWNTOWN DESIGN GUIDELINES
2021 WASHINGTON STATE ENERGY CODE (WSEC)
ICC/ANSI A117.1-2017 - ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES (ANSI)

BUILDING CODE

BUILDING OCCUPANCY AND SEPARATIONS — CHAPTER 3, 4, 5

OCCUPANCY CLASSIFICATION GROUPS: R-2, S-2

OCCUPANCY SEPARATION (TABLE 508.4):

OCCUPANCY	REQUIRED SEPARATION (TABLE 508.4):
R-2 TO R-2	1 HR (SPRINKLER SYSTEM PER WSBC 420.4, 903.2.8)
R-2 TO S-2	1 HR

MOTOR-VEHICLE-RELATED OCCUPANCIES — CHAPTER 4

PARKING OPEN PARKING GARAGE 406.5
AREA AND HEIGHT PER 504, 506
AUTOMATIC SPRINKLER SYSTEM PER 406.6.3, 903.2.10
SEE SHEET G350 FOR OPENING DISTRIBUTION AND SIZING

ALLOWABLE HEIGHT AND AREA — CHAPTER 5

CONSTRUCTION TYPE: I-A, GROUP R-2, (PER TABLE 504.3, 504.4)

		ALLOWABLE		PROPOSED
BUILDING HEIGHT		UL		11'-0"
NUMBER OF STORIES		UL		1

NOTE: BUILDINGS TO BE EQUIPPED THROUGHOUT WITH AN APPROVED AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH WSBC 903.2.8 AND 903.3.1.1. (NFPA 13)

CONSTRUCTION TYPE: V-A, GROUP R-2, (PER TABLE 504.3, 504.4)

		ALLOWABLE		PROPOSED
BUILDING HEIGHT		70'		55'-0"
NUMBER OF STORIES		4		4

NOTE: BUILDINGS TO BE EQUIPPED THROUGHOUT WITH AN APPROVED AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH WSBC 903.2.8 AND 903.3.1.1. (NFPA 13)
NOTE: 4 STORIES OF TYPE VA PERMITTED VIA WSBC 510.2.

ALLOWABLE AREA PER FLOOR:

CONSTRUCTION TYPE	OCCUPANCY	ALLOWABLE AREA PER STORY	PROPOSED AREA PER STORY
I-A / S-2	R-2	UNLIMITED (TABLE 506.2, 406.5.4)	27,738 SF (L1)
V-A	R-2	45,000 SF (506.2.2)*	20,905 SF (L2)
V-A	R-2	45,000 SF (506.2.2)*	20,905 SF (L3)
V-A	R-2	45,000 SF (506.2.2)*	20,905 SF (L4)
V-A	R-2	45,000 SF (506.2.2)*	20,905 SF (L5)

*ALLOWABLE AREA = (36,000 + (12,000 x 75%)) PER EQUATION 5-3
AGGREGATE SUM OF RATIOS = (20,905/45,000)*4 = 1.86, CANNOT EXCEED 3 PER 506.2.2

BUILDING CONSTRUCTION — CHAPTERS 6, & 7

MULTIFAMILY
FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (TABLE 601)

	REQ.	PROPOSED	REQ.	PROPOSED
BUILDING ELEMENT	TYPE VA		TYPE IA	
STRUCTURAL FRAME	1	1	3	3
BEARING WALLS - EXTERIOR	1	1	3	3
BEARING WALLS - INTERIOR	1	1	3	3
NONBEARING WALLS & PARTITIONS	0	0	0	0
FLOOR CONSTRUCTION	1*	1	2	2
ROOF CONSTRUCTION	1	1	1 1/2	N/A

*711.2.4.3

NOTE: THE HORIZONTAL ASSEMBLY PROVIDED BETWEEN TYPE VA AND IA INCLUDES A FIRE-RESISTANCE RATING OF NOT LESS THAN 3 HOURS PER WSBC 510.2(1).

FIRE RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION

DISTANCE (TABLE 705.5)				
FIRE SEPARATION DISTANCE PROVIDED	X<5	5<X<10	10<X<30	X>30
EXTERIOR WALL REQUIREMENTS - TYPE IA	1	1	1	0
EXTERIOR WALL REQUIREMENTS - TYPE VA	1	1	1	0

REFER TO FLS PLANS FOR FIRE SEPARATION DISTANCES

OPENINGS 705.8
705.8 OPENINGS. OPENINGS IN EXTERIOR WALLS SHALL COMPLY WITH SECTIONS 705.8.1 THROUGH 705.8.6.

MAXIMUM AREA OF EXTERIOR WALL OPENINGS (TABLE 705.8)

FIRE SEPARATION DISTANCE	0<X<3	3<X<5	5<X<10	10<X<15	15<X<20	X>20
MAXIMUM AREA OF UNPROTECTED OPENINGS (UNPROTECTED, SPRINKLERED)	NOT PERMITTED	15%	25%	45%	75%	NO LIMIT

REFER TO FLS PLANS FOR FIRE SEPARATION DISTANCES

FIRE PARTITIONS
FIRE PROTECTION RATINGS FOR DOORS (TABLE 716.1(2))

CORRIDOR DOORS 20 MINUTE "S" LABEL DOORS IN .5-HR FIRE PARTITION

SHAFTS AND CHUTES — CHAPTER 7

SHAFT CONSTRUCTION:
2 HR FIRE RESISTANCE RATING REQUIRED PER WSBC 713.4
ELEVATOR SMOKE DOOR OPERATION: 713.7
SELF OR AUTOMATIC-CLOSING UPON THE DETECTION OF SMOKE IN ACCORDANCE WITH WSBC 716.2.6.6.
SPRINKLERS:
AUTOMATIC SPRINKLER SYSTEM PROVIDED PER WSBC 713.13.6.
STAIRS:
2 HR FIRE RESISTANCE RATING REQUIRED PER WSBC 713.4
3 HR FIRE-RESISTANCE RATING PER WSBC 510.2(4) WITHIN TYPE IA.
90 MINUTE FIRE DOOR REQUIRED AT 2 HR FIRE RESISTANCE RATING PER WSBC TABLE 716.1(2).
3 HR FIRE DOOR REQUIRED AT 3 HR FIRE RESISTANCE RATING PER WSBC TABLE 716.1(2).

INTERIOR FINISHES — CHAPTER 8

WALL/CEILING MAXIMUM FLAME SPREAD CLASSIFICATIONS AND RATINGS (TABLE 803.13)

EXIT ENCLOSURES:	CLASS C TYP
CORRIDORS AND EXIT ACCESS ENCLOSURES:	CLASS C TYP
ROOMS AND ENCLOSED SPACES:	CLASS C

FLOOR FINISH (SECTION 804)

ALL AREAS:	COMPLY WITH ASTM STANDARD E 648, & SPECIFIC OPTICAL DENSITY SMOKE RATING NOT TO EXCEED 450 PER ASTM E 662 (804.4.1)
EXITS, CORRIDORS, & ROOMS OR SPACES NOT SEPARATED FROM CORRIDORS:	MINIMUM CRITICAL RADIANT FLUX: CLASS II (804.4.2)

REQUIRED LIFE SAFETY SYSTEMS — CHAPTER 9

	REQUIREMENT	TYPE/CLASS
AUTOMATIC SPRINKLER SYSTEM	HOUSING 903.2.8 GARAGE	NFPA 13
STANDPIPE SYSTEM		
HOUSING	905.3.1	CLASS III
GARAGE	905.3.1 EXCEPTION 3	CLASS I
FIRE PUMPS	PER 913	NFPA 20
FIRE EXTINGUISHERS	PER 906.1	2-A MIN RATED
FIRE ALARM SYSTEM*	PER 907.2	NFPA 72 AS AMENDED IN CH 35
AUDIBLE ALARMS	PER 907.5.2.1	
VISIBLE ALARMS	PER 907.5.2.3	
SMOKE DETECTION SYSTEM	PER 907.2.12 & 907.3	NFPA 72
EMERGENCY RESPONDER COMMUNICATION COVERAGE	PER 918	NFPA 72

* SYSTEM SHALL ACTIVATE A MEANS OF WARNING FOR THE HEARING IMPAIRED (1007.12

FIRE DEPARTMENT CONNECTIONS (SECTION 912)
STANDBY POWER SYSTEM (SECTION 2702)
EMERGENCY POWER SYSTEM (SECTION 2702)

MEANS OF EGRESS — CHAPTER 10

EGRESS WIDTH PER OCCUPANT SERVED (1005.3)
STAIRWAYS: (1005.3.1) .3"/OCC
OTHER EGRESS COMPONENTS: (1005.3.2) .2"/OCC
NUMBER OF EXITS (1006)
SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY (TABLE 1006.2.1)

	MAX OCC LOAD OF SPACE	MAX COMMON PATH OF EGRESS TRAVEL
R-2	20	125'

MEANS OF EGRESS ILLUMINATION (1008)
(NOT REQUIRED INSIDE DWELLING UNITS PER 1008.2.1, EXCEPTION 3)
TYPICAL CONDITIONS: 1 fc MIN AT THE WALKING SURFACE TO PUBLIC WAY
EMERGENCY POWER ILLUMINATION REQUIREMENTS PER 1008.3.1

ACCESSIBLE MEANS OF EGRESS (1009)
STAIRWAY WIDTH 48" MIN BETWEEN HANDRAILS 1009.3.2
48" WIDTH NOT REQUIRED WITH SPRINKLER SYSTEM INSTALLED 1009.3.2 EXC 1

EXIT ACCESS TRAVEL DISTANCE (1017)
A OCCUPANCIES 250 FT (SPRINKLERED)
B OCCUPANCIES 300 FT (SPRINKLERED)
R OCCUPANCIES 250 FT (SPRINKLERED)
S-2 OCCUPANCY 400 FT (SPRINKLERED)

CORRIDORS
1020.1 CONSTRUCTION. CORRIDORS SHALL BE FIRE-RESISTANCE RATED IN ACCORDANCE WITH TABLE 1020.2. THE CORRIDOR WALLS REQUIRED TO BE FIRE-RESISTANCE RATED SHALL COMPLY WITH SECTION 708 FOR FIRE PARTITIONS.

EXCEPTION
5. CORRIDORS ADJACENT TO THE EXTERIOR WALLS OF BUILDINGS SHALL BE PERMITTED TO HAVE UNPROTECTED OPENINGS ON UNRATED EXTERIOR WALLS WHERE UNRATED WALLS ARE PERMITTED BY TABLE 705.5 AND UNPROTECTED OPENINGS ARE PERMITTED BY TABLE 705.8.

CORRIDOR FIRE RESISTANCE RATING (TABLE 1020.2)

		REQ'D FIRE RESISTANCE RATING
OCC	OCC LOAD SERVED BY CORRIDOR	WITH SPRINKLER SYSTEM
R	>10	.5 HR

MINIMUM CORRIDOR WIDTH (TABLE 1020.3)

LOCATION	MIN WIDTH
WHERE OCCUPANT CAPACITY IS LESS THAN 50	36"
WITHIN A DWELLING UNIT	36"
ALL OTHER LOCATIONS	44"

CORRIDOR DEAD END (1020.5):

1020.5 DEAD ENDS. WHERE MORE THAN ONE EXIT OR EXIT ACCESS DOORWAY IS REQUIRED, THE EXIT ACCESS SHALL BE ARRANGED SUCH THAT DEAD-END CORRIDORS DO NOT EXCEED 20 FEET IN LENGTH.

EXCEPTIONS: 2.IN OCCUPANCIES IN GROUPS B, E, F, I-1, M, R-1, R-2, S AND U, WHERE THE BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1, THE LENGTH OF THE DEAD-END CORRIDORS SHALL NOT EXCEED 50 FEET

INTERIOR ENVIRONMENT — CHAPTER 12

LIGHTING OF OCCUPIED SPACES:
1204.1
EVERY SPACE INTENDED FOR HUMAN OCCUPANCY SHALL BE PROVIDED WITH NATURAL LIGHT BY MEANS OF EXTERIOR GLAZED OPENINGS IN ACCORDANCE WITH SECTION 1204.2 OR SHALL BE PROVIDED WITH ARTIFICIAL LIGHT IN ACCORDANCE WITH SECTION 1204.3. EXTERIOR GLAZED OPENINGS SHALL OPEN DIRECTLY ONTO A PUBLIC WAY OR ONTO A YARD OR COURT IN ACCORDANCE WITH SECTION 1205.

1204.2
NATURAL LIGHT: NET GLAZED AREA NOT LESS THAN 8% OF THE FLOOR AREA OF THE ROOM SERVED
1204.2.2 EXTERIOR OPENINGS.
EXTERIOR OPENINGS REQUIRED BY SECTION 1204.2 FOR NATURAL LIGHT SHALL OPEN DIRECTLY ONTO A PUBLIC WAY, YARD OR COURT, AS SET FORTH IN SECTION 1205.

1204.3
ARTIFICIAL LIGHT: 10fc AVERAGE PROVIDED AT 30" ABOVE THE FLOOR LEVEL.

DWELLING UNIT SOUND TRANSMISSION: 1206
WALLS: 50 STC MIN REQUIRED (1206.2)
FLOOR/CEILINGS: 50 IIC MIN REQUIRED (1206.3)

ROOFING REQUIREMENTS — CHAPTERS 15 & 16

RISK CATEGORY II **TABLE 1604.5**

BASIC WIND SPEED 98 MPH
WIND EXPOSURE CATEGORY: B
FIRE CLASSIFICATION: B TABLE 1505.1

CLADDING REQUIREMENTS — CHAPTERS 14 & 16

BASIC WIND SPEED 98 MPH
WIND EXPOSURE CATEGORY: B

ACCESSIBILITY — CHAPTER 11

TYPE A UNITS (1108.6.2.2.1)
5% OF TOTAL UNITS, BUT NOT LESS THAN ONE:
100 UNITS x 0.05 = 5 TYPE A UNITS REQUIRED
7 UNITS PROVIDED, SEE FLOOR PLAN FOR LOCATIONS
TYPE B UNITS (1108.6.2.2.2)
ALL OTHER RESIDENTIAL UNITS WITHIN PROJECT

Area			
Site Area SF		32,516	SF
Site Area Acres		0.75	acres
Proposed Gross (no parking area)		89,577	SF
Proposed FAR		**2.8**	**FAR**
Maximum Lot Coverage	90%	32,516	SF
Proposed Lot Coverage	85%	27738	SF

Density		
Min Allowable Density	16	DU/Acre
Max Allowable Density	N/A	DU/Acre
Proposed Number of Units	100	Units
Proposed Density	**133**	**DU/Acre**

Height	
50.00	Base Building Height - RM-CORE
5.00	Parking 60% min area (20.25.0205-1)
55.00	Base with bonuses - max allowable
55.00	Height Proposed

Parking - Residential	Ratio			
Spaces Required (20.55.011 zoning)	*1.50*	/Unit	150	Spaces
Spaces Required per Dev. Agre.	*0.70*	/Unit	70	Spaces
Spaces Proposed	***0.70***	**/Unit**	**70**	**Spaces**
Min Compact Required	30%		21	Spaces
Max Compact Required	50%		35	Spaces
Compact Proposed	**39%**		**27**	**Spaces**
EV Requirements				
Min EV Required	10%		7	Spaces
EV Provided			7	Spaces
Min EV Ready Required	25%		18	Spaces
EV Ready Provided			18	Spaces
Min EV Capable Required	10%		7	Spaces
EV Capable Provided			7	Spaces

Open Space		
Private Space	46.9	SF/Unit
Common Space	26.3	SF/Unit

Unit Mix	Studio	1BD	1BD+	2BD	Total	Balcs
Avg Size	487	665	0	963		
5th	7	12	0	6	25	16
4th	7	12	0	6	25	16
3rd	7	12	0	6	25	16
2nd	8	11	0	6	25	25
Total Units	**29**	**47**	**0**	**24**	**100**	73
Mix Ratio	**29.0%**	**47.0%**	**0.0%**	**24.0%**	**100%**	73%
Total Units	29	47		24		
	29.0%	**47.0%**		**24.0%**		
	Studio	**1BD**		**2BD**		
Total # Beds	**29**	**47**		**48**	**124**	

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
BUILDING PERMIT SET
REVISION: **DESCRIPTION:**

REPRODUCTION OF THIS DRAWING IS EXPRESSLY FORBIDDEN WITHOUT THE SPECIFIC WRITTEN PERMISSION OF C2K ARCHITECTURE INC.. THIS DRAWING IS ONLY CONDITIONALLY ISSUED, AND NEITHER RECEIPT OR POSSESSION THEREOF CONFERS OR TRANSFERS ANY RIGHT TO, OR LICENSE TO, USE THE SUBJECT MATTER OF THIS DRAWING OR ANY TECHNICAL INFORMATION SHOWN THEREON, NOR ANY RIGHT TO REPRODUCE THIS DRAWING OR PART THEREOF, WITHOUT THE WRITTEN AUTHORIZATION OF C2K ARCHITECTURE INC..

11707 REGISTERED ARCHITECT JOHN R. WROE STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
CODE ANALYSIS

SHEET NO.:
G100

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ENVELOPE COMPLIANCE SUMMARY

2021 WSEC Compliance Forms for Commercial Buildings including Group R2, R3 & R4 over 3 stories and all R1 — Administered by: ©2025 NEEA, All rights reserved

Project & Applicant Information	**Project Title**	Puyallup Bell Place - 2021 WSEC - 2021 WSEC	For Building Department Use: **Date: Oct 31, 2025**
	Project Address	204 4th St SW Puyallup, WA 98371	
	Applicant Name	Nathan Miller	
	Applicant Phone	503-446-2229	
	Applicant Email	nmiller@c2k.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 Group R - R2, R3 & R4 over 3 stories and all R1	**General Building Use Type(s)**	Multifamily/Residential	**Building Cond. Floor Area**	114,000
Project Scope	New Building	**Space Conditioning Categories**	Fully Conditioned	**Project Cond. Floor Area** **Floors Above Grade** **Compliance Method**	114,000 5 General Prescriptive
Envelope Project Description					

Envelope Compliance Scope and Method	Scope	Space Conditioning Category	Compliance Method	WWR/SRR per Category	UA Calculation Adjustment	Fenestration Alternates	Compliance Verification
	New Building	Fully Conditioned	Prescriptive	18.66% / 0%	None selected	No alternates selected	**COMPLIES**

Additional Energy Efficiency (AEC) Measures Included	No envelope or miscellaneous additional energy efficiency measures included in project	**Load Management (LDM) Measures Included**	No envelope or miscellaneous load management measures included in project
Air Barrier Testing	Standard building thermal envelope test	**Air Barrier Comments**	

Project Title	Puyallup Bell Place - 2021 WSEC - 2021 WSEC			Date	Oct 31, 2025
Scope & Space Conditioning	**NEW BUILDING - FULLY CONDITIONED**		**Compliance Verification**		**COMPLIES**
Window-to-wall Ratio	18.66%	**Skylight-to-roof ratio**	0%	**Vertical Fenestration Alternate**	No alternates selected

Opaque Envelope Assemblies

					Insulation R-Values			
Roof/Ceiling	**Location in Documents**	**Assembly ID**	**Assembly Location**	**Cavity**	**Continuous (% penetration)**	**2nd Layer (MB Roof)**	**U-Factor**	**Net Area (SF)**
Insulation entirely above deck	R1/A192	R-1	Exterior		R-38 (< 0.04%)			20,473
	Sloped Roof & Tapered Insulation: Sloped, insulation not tapered			U-Factor Source:				
	U-Factor Source Description:							
Walls	**Location in Documents**	**Assembly ID**	**Assembly Location**	**Cavity**	**Continuous (% penetration)**	**Insulated Wall Furring**	**U-Factor**	**Net Area (SF)**
Wood-framed and other - Group R	S3/A190	S3, 63	Exterior	R-25	R-0 (< 0.04%)			9,262
	Which code target does wall comply with?: R-25 Cavity			U-Factor Source:				
	U-Factor Source Description:			Wall Framing Type: Standard				
	Framing Depth:			Other Framing Depth:				
	Framing Spacing (OC):							
Wood-framed and other - Group R	S1/A190	S1	Exterior	R-25	R-0 (< 0.04%)			10,759
	Which code target does wall comply with?: R-25 Cavity			U-Factor Source:				
	U-Factor Source Description:			Wall Framing Type: Standard				
	Framing Depth:			Other Framing Depth:				
	Framing Spacing (OC):							
Wood-framed and other - Group R	S2/A190	S2,62	Exterior	R-25	R-0 (< 0.04%)			24,030
	Which code target does wall comply with?: R-25 Cavity			U-Factor Source:				
	U-Factor Source Description:			Wall Framing Type: Standard				
	Framing Depth:			Other Framing Depth:				
	Framing Spacing (OC):							
Floors and Edges	**Location in Documents**	**Assembly ID**	**Assembly Location**	**Cavity**	**Continuous (% penetration)**		**U-Factor**	**Net Area (SF)**
Mass	F2/A192	F2 - Podium	Exterior		R-0 (< 0.04%)			18,086
	U-Factor Source:			U-Factor Source Description:				
Slab-on-grade Floors	**Location in Documents**	**Assembly ID**	**Assembly Location**	**Slab Edge**	**Under Slab**		**F-Factor**	**Perimeter Length (SF)**
Unheated slab	F1/A192	F1 - Conditioned	At grade level	R-10				393
	Slab Insulation Method: Fully insulated slab (slab edge and underneath)			F-Factor Source:				
	F-Factor Source Description:							

Fenestration & Opaque Door Assemblies

				Insulation R-Values			
Opaque Doors	**Location in Documents**	**Assembly ID**	**Assembly Location**	**Door Insulation**		**U-Factor**	**Rough Opening (SF)**
Swinging	NA	BOH Doors	Exterior			U-0.37	140
	What percentage of this opaque door is glazing?: 50% or less			U-Factor Source: WSEC Appendix A Default			
	U-Factor Source Description:			Is this a public entrance door?: No			
Vertical Fenestration	**Location in Documents**	**Assembly ID**	**Assembly Location**	**Shading (PF)**	**Fenestration SHGC**	**Fenestration U-Factor**	**Rough Opening (SF)**
Fixed - Class AW or site built	NA	Inoperable Windows	Exterior	PF < 0.2	SHGC-0.27	U-0.29	4,096
	U-Factor & SHGC Source:			U-Factor Source Description: Manufactur			
Operable - Class AW or site built	NA	Operable Windows	Exterior	PF < 0.2	SHGC-0.27	U-0.29	2,229
	U-Factor & SHGC Source:			U-Factor Source Description: Manufactur			
Mulled - Fixed & operable sections	NA	Storefront	Exterior	PF < 0.2	SHGC-0.27	U-0.27	500
	U-Factor & SHGC Source:			U-Factor Source Description: Kawneer			
Glazed Doors	**Location in Documents**	**Assembly ID**	**Assembly Location**	**Shading (PF)**	**Fenestration SHGC**	**Fenestration U-Factor**	**Rough Opening (SF)**
Swinging entrance door	NA	Unit Patio Doors	Exterior	PF < 0.2	SHGC-0.27	U-0.6	1,794
	U-Factor & SHGC Source:			U-Factor Source Description:			
	Is this a public entrance door?: No						

THIS PROJECT TO COMPLY WITH WASHINGTON STATE ENERGY CODE COMMERCIAL ENERGY PROVISIONS AS IT IS AN R-2 BUILDING GREATER THAN 3 STORIES.

C103.6.3 THERMAL ENVELOPE COMPLIANCE PATH
COMPLIANCE PATH: PRESCRIPTIVE
THE PRESCRIPTIVE COMPLIANCE OPTION REQUIRES COMPLIANCE WITH SECTION C402 THROUGH C406 AND SECTIONS C408, C410, C411, AND C412.

C303.1.1 - INSULATION IDENTIFICATION
FOR INSULATION MATERIALS THAT ARE PROVIDED WITH A MANUFACTURER'S R-VALUE IDENTIFICATION MARK, THE INSULATION SHALL BE INSTALLED SUCH THAT THE MARK IS READILY OBSERVABLE DURING INSPECTION. FOR INSULATION MATERIALS THAT ARE NOT INSTALLED WITH AN R-VALUE IDENTIFICATION MARK, AN INSULATION CERTIFICATE PER SECTION C303.1.1 SHALL BE PROVIDED IMMEDIATELY AFTER INSTALLATION IN A CONSPICUOUS LOCATION IN THE BUILDING SO IT IS READILY AVAILABLE.

C303.1.3 - FENESTRATION PRODUCT RATING
FENESTRATION PRODUCTS SHALL BE LABELED WITH NFRC U-FACTOR, SHGC, VT AND LEAKAGE RATING, IF FENESTRATION PRODUCTS DO NOT HAVE AN NFRC RATING, INDICATE APPLICABLE CHAPTER 3 DEFAULT VALUES PER C303.1.3(1), C303.1.3(2) OR C303.1.3(4).

C401.4 THERMAL ENVELOPE CERTIFICATE
A PERMANENT THERMAL ENVELOPE CERTIFICATE SHALL BE COMPLETED BY AN APPROVED PARTY. SUCH CERTIFICATE SHALL BE POSTED ON A WALL IN THE SPACE WHERE THE SPACE CONDITIONING EQUIPMENT IS LOCATED, A UTILITY ROOM OR OTHER APPROVED LOCATION. IF LOCATED ON AN ELECTRICAL PANEL, THE CERTIFICATE SHALL NOT COVER OR OBSTRUCT THE VISIBILITY OF THE CIRCUIT DIRECTORY LABEL, SERVICE DISCONNECT LABEL, OR OTHER REQUIRED LABELS. A COPY OF THE CERTIFICATE SHALL ALSO BE INCLUDED IN THE CONSTRUCTION FILES FOR THE PROJECT. THE CERTIFICATE SHALL INCLUDE:
R-VALUES OF INSULATION INSTALLED IN OR ON CEILINGS, ROOFS, WALLS, FOUNDATIONS AND SLABS, CRAWLSPACE WALLS AND FLOORS, AND DUCTS OUTSIDE CONDITIONED SPACES.
U-FACTORS AND SOLAR HEAT GAIN COEFFICIENTS (SHGC) OF FENESTRATION.
RESULTS FROM ANY BUILDING ENVELOPE AIR LEAKAGE TESTING PERFORMED ON THE BUILDING.
WHERE THERE IS MORE THAN ONE VALUE FOR ANY COMPONENT OF THE BUILDING ENVELOPE, THE CERTIFICATE SHALL INDICATE THE AREA-WEIGHTED AVERAGE VALUE WHERE AVAILABLE. IF THE AREA-WEIGHTED AVERAGE IS NOT AVAILABLE, THE CERTIFICATE SHALL LIST EACH VALUE THAT APPLIES TO 10 PERCENT OR MORE OF THE TOTAL COMPONENT AREA.

C402.1 GENERAL
COMPLY WITH INSULATION REQUIREMENTS OF C402.2 AND THERMAL REQUIREMENTS OF THE R-VALUE BASED METHOD OF SECTION C402.1.3. FENESTRATIONS SHALL COMPLY WITH C402.4. AIR LEAKAGE OF BUILDING ENVELOPE ASSEMBLIES SHALL COMPLY WITH C402.5.

C402.4 FENESTRATION

C402.5 AIR LEAKAGE - THERMAL ENVELOPE

C402.5.1.1 AIR BARRIER CONSTRUCTION
THE CONTINUOUS AIR BARRIER SHALL BE CONSTRUCTED TO COMPLY WITH THE FOLLOWING:
1. THE AIR BARRIER SHALL BE CONTINUOUS FOR ALL ASSEMBLIES THAT ARE THE THERMAL ENVELOPE OF THE BUILDING AND ACROSS THE JOINTS AND ASSEMBLIES.
2. AIR BARRIER JOINTS AND SEAMS SHALL BE SEALED, INCLUDING SEALING TRANSITIONS IN PLACES AND CHANGES IN MATERIALS. THE JOINTS AND SEALS SHALL BE SECURELY INSTALLED IN OR ON THE JOINT FOR ITS ENTIRE LENGTH SO AS NOT TO DISLODGE, LOOSEN OR OTHERWISE IMPAIR ITS ABILITY TO RESIST POSITIVE AND NEGATIVE PRESSURE FROM WIND, STACK EFFECT AND MECHANICAL VENTILATION.
3. PENETRATIONS OF THE AIR BARRIER SHALL BE CAULKED, GASKETED OR OTHERWISE SEALED IN A MANNER COMPATIBLE WITH THE CONSTRUCTION MATERIALS AND LOCATION. SEALING SHALL ALLOW FOR EXPANSION, CONTRACTION AND MECHANICAL VIBRATION. JOINTS AND SEAMS ASSOCIATED WITH PENETRATIONS SHALL BE SEALED IN THE SAME MANNER OR TAPED. SEALING MATERIALS SHALL BE SECURELY INSTALLED AROUND THE PENETRATION SO AS NOT TO DISLODGE, LOOSEN OR OTHERWISE IMPAIR THE PENETRATIONS' ABILITY TO RESIST POSITIVE AND NEGATIVE PRESSURE FROM WIND, STACK EFFECT, AND MECHANICAL VENTILATION. SEALING OF CONCEALED FIRE SPRINKLERS, WHERE REQUIRED, SHALL BE IN A MANNER THAT IS RECOMMENDED BY THE MANUFACTURER. CAULKING OR OTHER ADHESIVE SEALANTS SHALL NOT BE USED TO FILL VOIDS BETWEEN FIRE SPRINKLER COVER PLATES AND WALLS OR CEILINGS.
4. RECESSED LIGHTING FIXTURES SHALL COMPLY WITH SECTION C402.5.8. WHERE SIMILAR OBJECTS ARE INSTALLED WHICH PENETRATE THE AIR BARRIER, PROVISIONS SHALL BE MADE TO MAINTAIN THE INTEGRITY OF THE AIR BARRIER.

C402.5.1.2 AIR BARRIER COMPLIANCE
A CONTINUOUS AIR BARRIER FOR THE OPAQUE BUILDING ENVELOPE SHALL COMPLY WITH THE FOLLOWING:
1. GROUP R DWELLING UNITS THAT ARE ACCESSED DIRECTLY FROM THE OUTDOORS SHALL MEET THE PROVISIONS OF SECTION C402.5.2.
2. ALL OTHER BUILDINGS OR PORTIONS OF BUILDINGS SHALL MEET THE PROVISIONS OF SECTION C402.5.3.

THE PARKING AREA IS CLASSIFIED AS UNCONDITIONED SPACE PER WSEC 2021. ALL WALLS, FLOORS, AND CEILINGS SEPARATING CONDITIONED AREAS (E.G., RESIDENTIAL LOBBY) FROM THE GARAGE SHALL MEET THE ENVELOPE INSULATION AND AIR BARRIER REQUIREMENTS OF SECTION C402 FOR EXTERIOR ASSEMBLIES.

C402.5.1.2 AIR BARRIER COMPLIANCE
A CONTINUOUS AIR BARRIER FOR THE OPAQUE BUILDING ENVELOPE SHALL COMPLY WITH THE FOLLOWING:
GROUP R DWELLING UNITS THAT ARE ACCESSED DIRECTLY FROM THE OUTDOORS SHALL MEET THE PROVISIONS OF SECTION C402.5.2.
ALL OTHER BUILDINGS OR PORTIONS OF BUILDINGS SHALL MEET THE PROVISIONS OF SECTION C402.5.3.

C402.5.6 DOOR AND ACCESS OPENINGS TO SHAFTS, CHUTES, STAIRWAYS, AND ELEVATOR LOBBIES.
DOORS AND ACCESS OPENINGS FROM CONDITIONED SPACES TO SHAFTS, CHUTES, STAIRWAYS AND ELEVATOR LOBBIES SHALL BE GASKETED, WEATHERSTRIPPED OR SEALED.
EXCEPTIONS: DOOR OPENINGS REQUIRED TO COMPLY WITH SECTION 716 OF THE INTERNATIONAL BUILDING CODE
DOORS AND DOOR OPENINGS REQUIRED TO COMPLY WITH UL 1784 BY THE INTERNATIONAL BUILDING CODE.

C402.5.7, C403.7.8 OUTDOOR AIR INTAKES, EXHAUST AND RELIEF OPENINGS
ALL RELIEF, OUTSIDE AIR INTAKE AND EXHAUST OPENINGS SHALL BE PROVIDED WITH DAMPERS IN ACCORDANCE WITH MECHANICAL SECTION C403.7.8.

C402.5.7 OUTDOOR AIR INTAKES, EXHAUST, AND RELIEF OPENINGS
STAIRWAY ENCLOSURES, ELEVATOR SHAFT VENTS AND OTHER OUTDOOR AIR INTAKE AND EXHAUST OPENINGS INTEGRAL TO THE BUILDING ENVELOPE SHALL BE PROVIDED WITH DAMPERS IN ACCORDANCE WITH SECTION C403.7.8.

C402.5.9 VESTIBULES
ALL BUILDING ENTRANCES SHALL BE PROTECTED WITH AN ENCLOSED VESTIBULE, WITH ALL DOORS OPENING INTO AND OUT OF THE VESTIBULE EQUIPPED WITH SELF-CLOSING DEVICES. INTERIOR AND EXTERIOR DOORS SHALL HAVE A MINIMUM DISTANCE BETWEEN THEM OF NOT LESS THAN 7 FEET. THE EXTERIOR ENVELOPE OF CONDITIONED VESTIBULES SHALL COMPLY WITH THE REQUIREMENTS FOR A CONDITIONED SPACE. EITHER THE INTERIOR OR EXTERIOR ENVELOPE OF UNCONDITIONED VESTIBULES SHALL COMPLY WITH THE REQUIREMENTS FOR A CONDITIONED SPACE. THE BUILDING LOBBY IS NOT CONSIDERED A VESTIBULE.
EXCEPTIONS: VESTIBULES ARE NOT REQUIRED FOR THE FOLLOWING:
1. DOORS NOT INTENDED TO BE USED AS BUILDING ENTRANCES.
3. DOORS OPENING DIRECTLY FROM A SLEEPING UNIT OR DWELLING UNIT.
4. DOORS BETWEEN AN ENCLOSED SPACE SMALLER THAN 3,000 SQUARE FEET (298 M2) IN AREA AND THE EXTERIOR OF THE BUILDING OR THE BUILDING ENTRANCE LOBBY, WHERE THOSE DOORS DO NOT COMPRISE ONE OF THE PRIMARY BUILDING ENTRANCE PATHS TO THE REMAINDER OF THE BUILDING. THE SPACE MUST BE ENCLOSED AND SEPARATED WITHOUT TRANSFER AIR PATHS FROM THE PRIMARY BUILDING ENTRANCE PATHS. IF THERE ARE DOORS BETWEEN THE SPACE AND THE PRIMARY ENTRANCE PATH, THEN THE DOORS SHALL BE EQUIPPED WITH SELF-CLOSING DEVICES SO THE SPACE ACTS AS A VESTIBULE FOR THE PRIMARY BUILDING ENTRANCE.
6. DOORS USED PRIMARILY TO FACILITATE VEHICULAR MOVEMENT OR MATERIAL HANDLING AND ADJACENT PERSONNEL DOORS.
11. DOORS THAT ARE USED ONLY TO ACCESS OUTDOOR SEATING AREAS THAT ARE SEPARATED FROM ADJACENT WALKING AREAS BY A FENCE OR OTHER BARRIER.

REFER TO BUILDING PLANS FOR LOCATIONS OF EXTERIOR DOORS AND VESTIBULE. REFER TO DOOR SCHEDULE ON SHEET A950 FOR APPLICABLE EXCEPTIONS AT DOORS WHERE NO VESTIBULE IS PROVIDED.

C408.1 BUILDING COMMISSIONING
A BUILDING COMMISSIONING PROCESS LED BY A CERTIFIED COMISSIONING PROFESSIONAL AND FUNCTIONAL TESTING REQUIREMENTS SHALL BE COMPLETED FOR MECHANICAL SYSTEMS IN SECTION C403; SERVICE WATER HEATING SYSTEMS IN SECTION C404; CONTROLLED RECEPTACLE AND LIGHTING CONTROL SYSTEMS IN SECTION C405; EQUIPMENT, APPLIANCE, AND SYSTEM INSTALLED TO COMPLY WITH SECTION C406 OR C407; ENERGY METERING IN SECTION C409, AND REFRIGERATION SYSTEMS IN SECTION C410.

C408.1.3 COMMISSIONING REPORT
A COMMISSIONING REPORT SHALL BE COMPLETED AND CERTIFIED BY THE CERTIFIED COMMISSIONING PROFESSIONAL AND DELIVERED TO THE BUILDING OWNER OR TO THE BUILDING OWNDER'S AUTHORIZED AGENT. THE REPORT SHALL BE ORGANIZED WITH MECHANICAL, SERVICE WATER HEATING, :
1. RESULTS OF FUNCTIONAL PERFORMANCE TESTS.
2. DISPOSITION OF DEFICIENCIES FOUND DURING TESTING, INCLUDING DETAILS OF CORRECTIVE MEASURES USED OR PROPOSED.
3. FUNCTIONAL PERFORMANCE TEST PROCEDURES USED DURING THE COMMISSIONING PROCESS INCLUDING MEASURABLE CRITERIA FOR TEST ACCEPTANCE, PROVIDED HEREIN FOR REPEATABILITY.
4. COMMISSIONING PLAN.
5. TESTING, ADJUSTING BALANCING REPORT.

C408.1.4.1 COMMISSIONING COMPLIANCE
BUILDINGS, OR PORTIONS THEREOF, SHALL NOT BE CONSIDERED ACCEPTABLE FOR FINAL INSPECTION PURSUANT TO SECTION C104.2.6 UNTIL THE CODE OFFICIAL HAS RECEIVED A LETTER OF TRANSMITTAL FROM THE BUILDING OWNER OR OWNER'S REPRESENTATIVE ACKNOWLEDGING THAT THE BUILDING OWNER OR OWNER'S AUTHORIZED AGENT HAS RECEIVED THE COMMISSIONING REPORT. COMPLETION OF COMMISSIONING COMPLIANCE CHECKLIST (FIGURE C408.1.4.1) IS DEEMED TO SATISFY THIS REQUIREMENT.

MECHANICAL COMPLIANCE SUMMARY

2021 WSEC Compliance Forms for Commercial Buildings including Group R1, R2, and Group R3 & R4 over 3 stories — Administered by: ©2021 NEEA, All rights reserved

Project & Applicant Information	**Project Title**	Puyallup Bell Place - 2021 WSEC - 2021 WSEC	For Building Department Use: **Date: Mar 16, 2026**
	Project Address	204 4th St SW Puyallup, WA 98371	
	Applicant Name	Nathan Miller	
	Applicant Phone	503-446-2229	
	Applicant Email	nmiller@c2k.com	

Mechanical Compliance Summary Scope - Compliance verification provided in this report is limited to code minimum efficiency requirements for mechanical equipment types defined in Tables C403.3.2(1) through C403.3.2(16) of the 2021 WSEC-C. This includes efficiency multipliers for economizer exceptions. Performance criteria for additional energy efficiency and load management measures ARE NOT included in this report. Additional documentation is required to demonstrate compliance with all other provisions of the energy code, including better than code efficiency criteria for Section C406. 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 Group R - R2, R3 & R4 over 3 stories and all R1	**General Building Use Type(s)**	Multifamily/Residential	**Building Cond. Floor Area**	114,000
General Project Types	New Building	**New Building or Addition** **Mechanical Scope**	Single Zone Systems & Equipment	**Project Cond. Floor Area** **Alteration Mechanical Scope** **Floors Above Grade** **Overall Compliance Path**	114,000 5 General Prescriptive
Mechanical Project Description	5- story multi-family building with PTACs and DOAS serving dwelling units, split-system heat pumps and DOAS serving office and lobby.				

Mechanical Compliance Scope and Method	**Project Type**	**Mechanical Scope**	**Economizer Exception(s) Applied?**	**DOAS Ventilation Provided?**	**Equipment Efficiency Compliance Verification**
	New Building	Single Zone Systems & Equipment	Yes	Yes	**COMPLIES**
Additional Energy Efficiency Measures (AEM)	No mechanical additional energy efficiency measures included in project		**Load Management Measures (LDM)**	No mechanical load management measures included in project	
Does building include occupancy classifications requiring DOAS?			Yes	**Does project include DOAS equipment?**	Yes
Based on project scope do TSPR requirements apply?			Yes	**Do all systems comply with Appendix D standard reference design or qualify for an exception to TSPR?**	Yes

Scope & Space Conditioning	NEW BUILDING - SINGLE ZONE SYSTEMS & EQUIPMENT	Compliance Verification	COMPLIES

Single Zone Air Systems Category - Heat pump, split & single package, SC, SDHV

Air Systems Summary Information

System/Equip ID	Quantity of Items	Supply Airflow Control	Ventilation Standard	Ventilation CFM (Total if Multiple Items)	Ventilation Air Source	Paired with DOAS	Ventilation energy recovery	Energy Recovery Efficiency (%)
HP-1, HP-2	2	Constant volume	IMC Ventilation		Separate DOAS	ERV-1	Not provided, not required	
HP-3		Constant volume	IMC Ventilation		Other System		Not provided, not required	

Air Systems & Equipment - Cooling

System/ Equip ID	Cooling System/Equip Type	Specific Type	Cooling Capacity per Item (Btu/h)	Econo Exception Multipliers Full/(PSY)		Required Cooling Efficiency (Code Min + Econo)	Required Part Load Efficiency (Code Min + Econo)	Proposed Cooling Efficiency	CE Units	Proposed Part Load Efficiency	PL Units	Efficiency Compliance Verification
HP-1, HP-2	Heat pump, air cooled	Split system	20,000	0	0	13.4	0	20	SEER2		IEER	COMPLIES
HP-3	Heat pump, air cooled	Split system	33,800	0	0	13.4	0	18.5	SEER2		IEER	COMPLIES

Air Systems & Equipment - Heating

System /Equip ID	Heating System/Equip Type	Specific Type	Heat Pump Heating Capacity per Item (Btu/h)	Cooling Capacity per Item (Btu/h) (Identical to Cooling Table)	Required Heat Pump Heating Efficiency	Required Low OSA Temp Efficiency	Proposed Heat Pump Heating Efficiency	HPH Units	Proposed Low OSA Temp Efficiency	LTH Units	Efficiency Compliance Verification
HP-1, HP-2	Heat pump, air cooled, heating	Split system	24,000	20,000	7.5	0	10	HSPF2		COP	COMPLIES
HP-3	Heat pump, air cooled, heating	Split system	35,200	33,800	7.5	0	8.5	HSPF2		COP	COMPLIES

Air Systems & Equipment Details

System/Equip ID	Discrete Area(s) Served	Location In Project Documents - Plan/Detail #	System/Equip Compliance Path
HP-1, HP-2	LOBBY 101	M002, M412	
	Heating Section/Auxiliary Heating Type: Electric resistance (or None)		Economizer Compliance Method: Economizer not required
	WSEC Equip Efficiency Reference Table - Cooling: Table C403.3.2(2) Unitary Heat Pumps		
	Proposed Low OSA Temp Efficiency:		LTH Units: COP
	WSEC Equip Efficiency Reference Table - Heating: Table C403.3.2(2) - Unitary Heat Pumps		
HP-3	ELEVATOR SHAFT	M002, M418	
	Heating Section/Auxiliary Heating Type: Electric resistance (or None)		Economizer Compliance Method: Economizer not required
	WSEC Equip Efficiency Reference Table - Cooling: Table C403.3.2(2) Unitary Heat Pumps		
	Proposed Low OSA Temp Efficiency:		LTH Units: COP
	WSEC Equip Efficiency Reference Table - Heating: Table C403.3.2(2) - Unitary Heat Pumps		

Single Zone Air Systems Category - Heat pump, packaged (PTHP, SPVHP, Room)

Air Systems Summary Information

System/Equip ID	Quantity of Items	Supply Airflow Control	Ventilation Standard	Ventilation CFM (Total if Multiple Items)	Ventilation Air Source	Paired with DOAS	Ventilation energy recovery	Energy Recovery Efficiency (%)
PTHP-1		Constant volume	IMC Ventilation		Separate DOAS	ERV-50		
PTHP-2		Constant volume	IMC Ventilation		Separate DOAS	ERV-50		

Air Systems & Equipment - Cooling

System/ Equip ID	Cooling System/Equip Type	Specific Type	Cooling Capacity per Item (Btu/h)	Econo Exception Multiplier (Full)	Required Cooling Efficiency (Code Min + Econo)	Proposed Cooling Efficiency	CE Units	Efficiency Compliance Verification
PTHP-1	Heat pump, terminal (PTHP)	Packaged terminal HP, standard size	11,600	0	0	14	EER	COMPLIES
PTHP-2	Heat pump, terminal (PTHP)	Packaged terminal HP, standard size	14,400	0	0	14	EER	COMPLIES

Air Systems & Equipment - Heating

System /Equip ID	Heating System/Equip Type	Specific Type	Heat Pump Heating Capacity per Item (Btu/h)	Cooling Capacity per Item (Btu/h) (Identical to Cooling Table)	Required Heat Pump Heating Efficiency	Proposed Heat Pump Heating Efficiency	HPH Units	Efficiency Compliance Verification
PTHP-1	Heat pump, terminal (PTHP), heating	Packaged terminal HP, standard size	10,900	11,600	0	3.7	COP	COMPLIES
PTHP-2	Heat pump, terminal (PTHP), heating	Packaged terminal HP, standard size	14,200	14,400	0	3.7	COP	COMPLIES

Air Systems & Equipment Details

System/Equip ID	Discrete Area(s) Served	Location In Project Documents - Plan/Detail #	System/Equip Compliance Path
PTHP-1	DWELLING UNIT	M002, M413-16	
	Economizer Compliance Method: Economizer not required		WSEC Equip Efficiency Reference Table - Cooling: Table C403.3.2(4) Packaged Terminal, Vertical AC & HP and Room AC Units
	WSEC Equip Efficiency Reference Table - Heating: Table C403.3.2(4) Packaged Terminal, Vertical AC & HP and Room AC Units		
PTHP-2	DWELLING UNIT	M002, M413-16	
	Economizer Compliance Method: Economizer not required		WSEC Equip Efficiency Reference Table - Cooling: Table C403.3.2(4) Packaged Terminal, Vertical AC & HP and Room AC Units
	WSEC Equip Efficiency Reference Table - Heating: Table C403.3.2(4) Packaged Terminal, Vertical AC & HP and Room AC Units		

Single Zone Air Systems Category - Unit heaters & duct heaters

Air Systems Summary Information

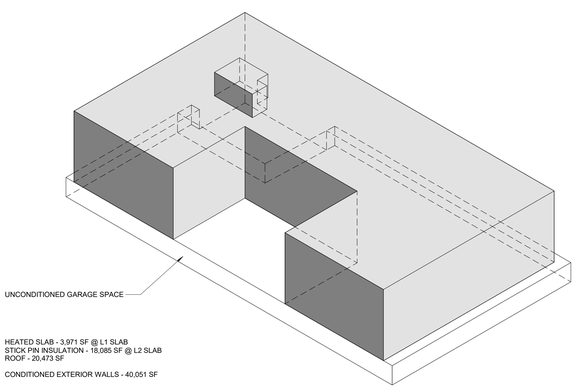
System/Equip ID	Quantity of Items	Ventilation Standard	Ventilation CFM (Total if Multiple Items)	Ventilation Air Source	Paired with DOAS
DH-1		IMC Ventilation		Separate DOAS	ERV-1
DH-2, DH-3	2	IMC Ventilation		Separate DOAS	ERV-2
UH-1A, UH-1B	2	IMC Ventilation		Other System	

Air Systems & Equipment - Heating

System /Equip ID	Heating System/Equip Type	Specific Type	Heating Output Capacity per Item	HC Units	Required Heating Efficiency	Proposed Heating Efficiency	HE Units	Efficiency Compliance Verification
DH-1	Duct heater	Electric resistance	7,000	Watts				COMPLIES
DH-2, DH-3	Duct heater	Electric resistance	3,500	Watts				COMPLIES
UH-1A, UH-1B	Unit heater	Electric resistance	3,000	Watts				COMPLIES

Air Systems & Equipment Details

System/Equip ID	Discrete Area(s) Served	Location In Project Documents - Plan/Detail #	System/Equip Compliance Path



1 G101 AIR BARRIER DIAGRAM
3/16" = 1'-0"

LIGHTING COMPLIANCE SUMMARY

2021 WSEC Compliance Forms for Commercial Buildings including Group R2, R3 & R4 over 3 stories and all R1 — Administered by: ©2026 NEEA, All rights reserved

Project & Applicant Information	**Project Title**	Puyallup Bell Place Apartments - 2021 WSEC	For Building Department Use: **Date: Mar 18, 2026**
	Project Address	Puyallup, WA	
	Applicant Name	Scott Kelly	
	Applicant Phone	253-759-0118	
	Applicant Email	ScottK@ironengineers.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**		Multifamily/Residential	**Building Cond. Floor Area**	114,430	
General Project Types	New Building	**New Building or Addition** **Lighting Scope**	Interior Lighting Parking Garage Lighting Exterior Lighting	**Alteration** **Addition** **Lighting Scope**	**Project Cond. Floor Area** **Floors Above Grade** **Compliance Method**	114,430 5 General Prescriptive	
Lighting Project Description							

Lighting Compliance Scope and Method	Project Type	Interior / Exterior (Interior includes both Interior and Garage)	Luminaire Replacement Scope	Compliance Method	LPA Calculation Adjustment	Compliance Verification
	New Building	Interior Lighting		Building area	Reduced lighting power density option - 10%	**COMPLIES**
	New Building	Exterior Lighting			Not applicable to exterior	**COMPLIES**
Additional Energy Efficiency (AEC) Measures Included	Reduced lighting power density - 10% lower than LPA		**Load Management (LDM) Measures Included**		No lighting or electrical load management measures included in project	

Project Title	Puyallup Bell Place Apartments - 2021 WSEC			Date	Mar 18, 2026
Lighting Power Calculation	**NEW BUILDING - INTERIOR LIGHTING**		**Compliance Verification**		**COMPLIES**
Compliance Method	**Building area**		**LPA Calculation Adjustment**		**LPA x 0.9**

Interior Lighting Power Allowance - Building Area

Building Area	Gross Interior Area (SF)	LPA (Watts/SF)	Total Watts Allowed (SF x LPA x 0.9)	Total Proposed Watts By Building Area	Compliance Status by Building Area
Multiple family	17,430	0.41	6,431	6,368	COMPLIES
Parking garage	23,300	0.14	2,936	1,677	COMPLIES

Proposed Lighting Power Density

Fixture Type/Application	Fixture ID	Building Area	New or Existing-to-Remain	Quantity of Fixtures, CLDs or Luminaires (#F)	Watts per Fixture, CLD or Luminaire (WpF)	Total Linear Feet (LF)	Watts per Linear Foot (WpLF)	Total Watts Proposed (#F x WpF) or (LF x WpLF)
Individual Fixtures								
Other fixture type	Type A1/A1X	Multiple family	New	26	29			754
Other fixture type	Type A2	Multiple family	New	22	46			1,012
Other fixture type	Type A3	Multiple family	New	4	88			352
Other fixture type	Type A4	Multiple family	New	8	38			304
Other fixture type	Type A5	Multiple family	New	1	18			18
Other fixture type	Type A6	Multiple family	New	25	42			1,050
Other fixture type	Type B1	Multiple family	New	111	15			1,665
Other fixture type	Type B2	Multiple family	New	109	5			500
Other fixture type	Type B3	Multiple family	New	11	11			121
Other fixture type	Type B4	Multiple family	New	20	16			320
Other fixture type	Type B5	Multiple family	New	4	8			48
Other fixture type	Type B6

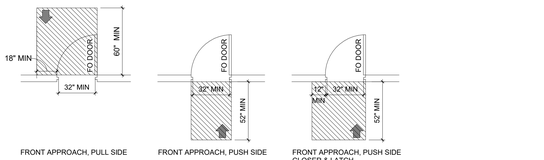
ACCESSIBILITY REQUIREMENTS - ANSI TYPE A UNITS

NOTE: REFER TO UNIT TYPES FOR ANSI A AND ANSI B DESIGNATION
NOTE: PER A117.1 2017

DOORS

CLEARANCES AT SWINGING DOORS

404.2.3.2



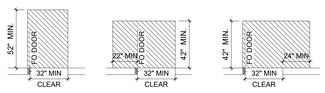
FRONT APPROACH, PULL SIDE | FRONT APPROACH, PUSH SIDE | FRONT APPROACH, PUSH SIDE CLOSER & LATCH

HINGE APPROACH, PULL SIDE | HINGE APPROACH, PULL SIDE | HINGE APPROACH, PUSH SIDE | HINGE APPROACH, PUSH SIDE CLOSER & LATCH

LATCH APPROACH, PULL SIDE | LATCH APPROACH, PULL SIDE CLOSER | LATCH APPROACH, PUSH SIDE | LATCH APPROACH, PUSH SIDE CLOSER

CLEARANCES AT SLIDING AND FOLDING DOORS

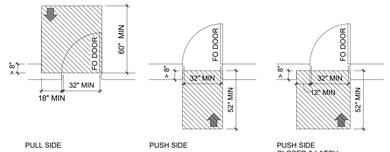
404.2.3.3



FRONT APPROACH | NON LATCH APPROACH | LATCH APPROACH

CLEARANCES AT RECESSED DOORS

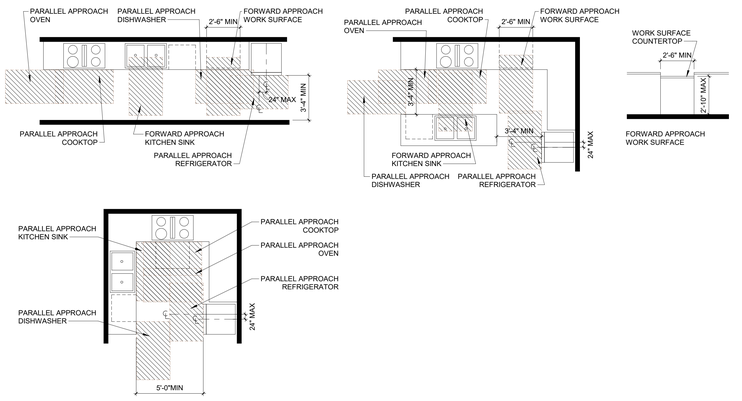
404.2.3.5



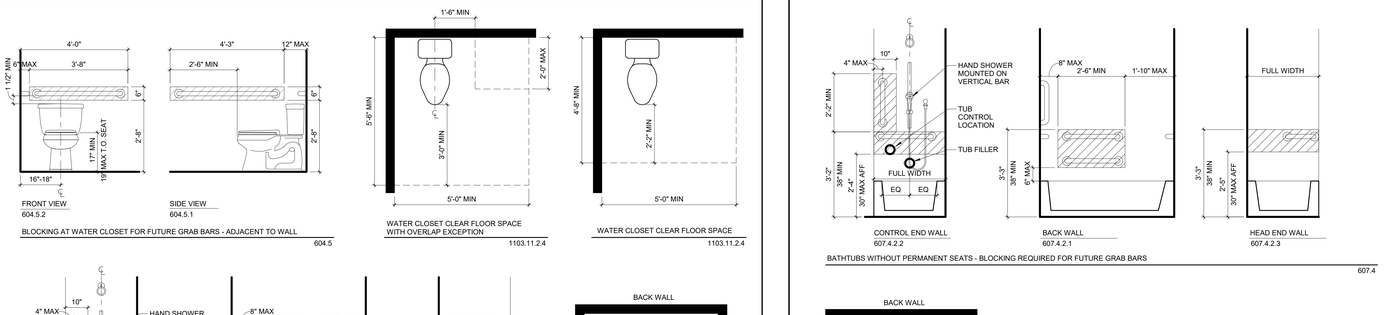
PULL SIDE | PUSH SIDE | PUSH SIDE CLOSER & LATCH

KITCHENS

1103.12



BATHROOMS



ACCESSIBILITY REQUIREMENTS - ANSI TYPE B UNITS

NOTE: REFER TO UNIT TYPES FOR ANSI A AND ANSI B DESIGNATION
NOTE: PER A117.1 2017

DOORS

CLEARANCES AT SWINGING DOORS

404.2.3.2

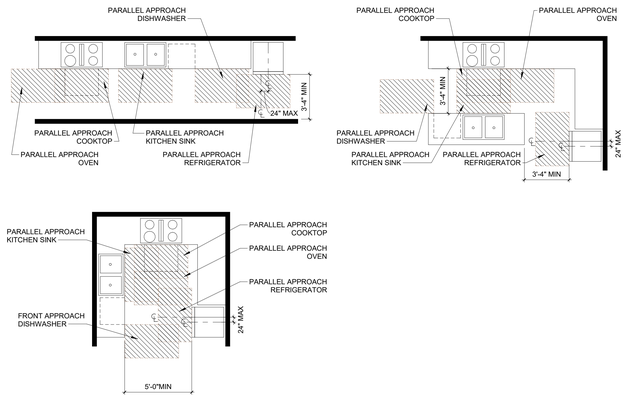
UNIT ENTRY DOOR | FRONT APPROACH, PULL SIDE | HINGE APPROACH, PULL SIDE | LATCH APPROACH, PULL SIDE

1104.5.1

UNIT INTERIOR DOORS
1104.5.2.1

KITCHENS

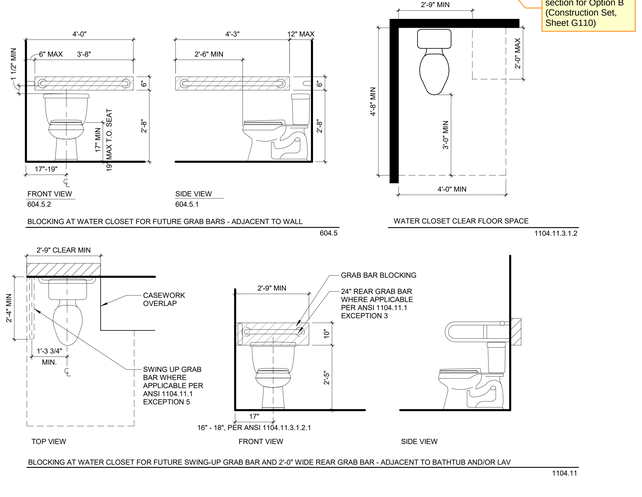
1104.12



BATHROOMS

NOTE: ONE TOILET AND BATHING AREA PER UNIT SHALL COMPLY WITH 1004.11.3.2 (OPTION B). REFER TO UNIT PLANS FOR DESIGNATIONS

Update the code section for Option B (Construction Set, Sheet G110)



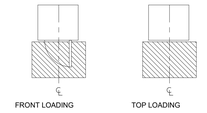
WC and Lav may only be permitted in clearance at one end for Type B, Option A bathtubs. Type B, Option B bathtubs do not allow any fixtures inside the clearance area. Please reference sections 1104.11.3.1.3 and 1104.11.3.2.3 in the 2017 Washington State Accessibility Code (Construction Set, Sheet G110)

ACCESSIBILITY REQUIREMENTS - ALL UNITS & COMMON SPACE

NOTE: PER A117.1 2017

WASHERS & CLOTHES DRYERS

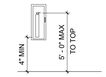
611.2



FRONT LOADING | TOP LOADING

FIRE EXTINGUISHERS

WSBC [F] 906.9

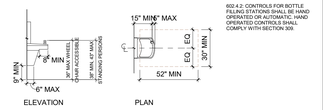


DRINKING FOUNTAINS

602

602.2.5: SPOUT SHALL PROVIDE A FLOW OF WATER 4" MIN HIGH, ANGLE OF WATER STREAM DEPENDENT ON SPOUT LOCATION FROM FRONT OF UNIT. SEE CODE SECTION FOR FURTHER DETAILS.

602.4.2: CONTROLS FOR BOTTLE FILLING STATIONS SHALL BE HAND ACTUATED OR AUTOMATIC AND OPERATED CONTROLS SHALL COMPLY WITH SECTION 309.

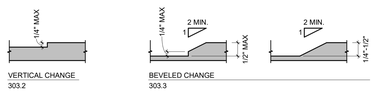


ELEVATION | PLAN

UNITS - TYPICAL MOUNTING HEIGHTS FOR ACCESSORIES

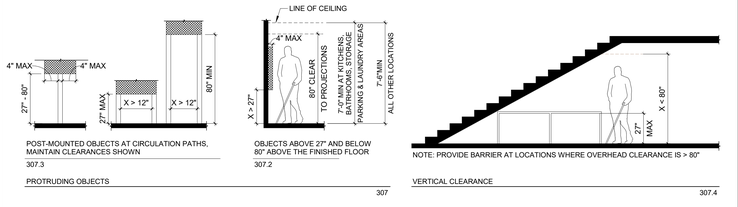
CLOSET ROD | TOWEL BAR | THERMOSTAT | MIRROR 603.3 | TOILET TISSUE DISPENSER, SANITARY NAPKIN DISPOSAL, SEAT COVER, & PAPER TOWEL UNIT | UNIT SIGNAGE 703.3.10 & 703.4.5

CHANGE IN LEVEL



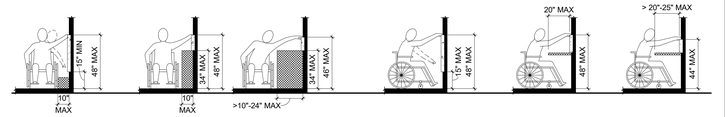
VERTICAL CHANGE 303.2 | BEVELED CHANGE 303.3

PROTRUDING OBJECT CLEARANCES



POST-MOUNTED OBJECTS AT CIRCULATION PATHS, MAINTAIN CLEARANCES SHOWN 307.3 | OBJECTS ABOVE 27" AND BELOW 80" ABOVE THE FINISHED FLOOR 307.2 | NOTE: PROVIDE BARRIER AT LOCATIONS WHERE OVERHEAD CLEARANCE IS > 80" | VERTICAL CLEARANCE 307.4

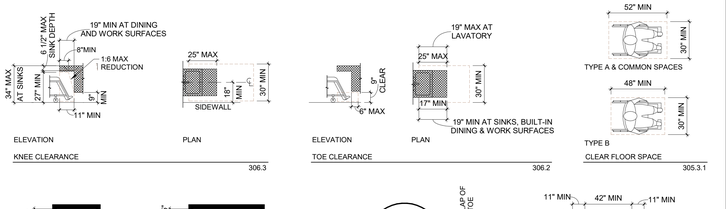
PROTRUDING OBJECTS 307



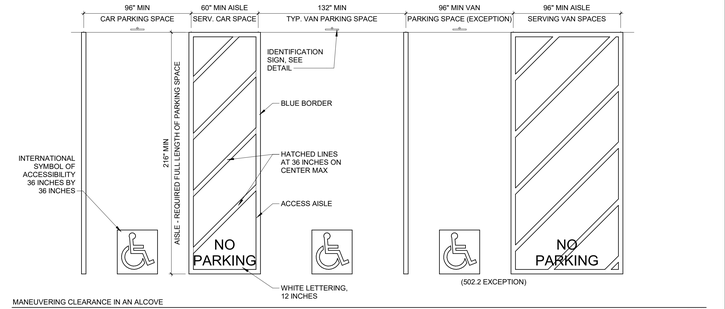
UNOBSTRUCTED REACH 308.3.1 | OBSTRUCTED HIGH REACH 308.3.2 | UNOBSTRUCTED REACH 308.2.1 | OBSTRUCTED HIGH REACH 308.2.2

OBSTRUCTED/UNOBSTRUCTED SIDE REACH 308.3 | OBSTRUCTED/UNOBSTRUCTED FORWARD REACH 308.2

MANEUVERING CLEARANCES



PERPENDICULAR PARKING SPACE AND ACCESS AISLE



MANEUVERING CLEARANCE IN AN ALCOVE 502.2

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
BUILDING PERMIT SET
REVISION: DESCRIPTION:

REPRODUCTION OF THIS DRAWING IS EXPRESSLY FORBIDDEN WITHOUT THE SPECIFIC WRITTEN PERMISSION OF C2K ARCHITECTURE INC. THIS DRAWING IS ONLY CONDITIONALLY ISSUED, AND NEITHER RECEIPT OR POSSESSION THEREOF CONFERS OR TRANSFERS ANY RIGHT TO, OR LICENSE TO, USE THE SUBJECT MATTER OF THIS DRAWING OR ANY TECHNICAL INFORMATION SHOWN THEREON, NOR ANY RIGHT TO REPRODUCE THIS DRAWING OR PART THEREOF, WITHOUT THE WRITTEN AUTHORIZATION OF C2K ARCHITECTURE INC.

11707 REGISTERED ARCHITECT John R. Wright STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
ACCESSIBILITY REQUIREMENTS

SHEET NO.:
G110

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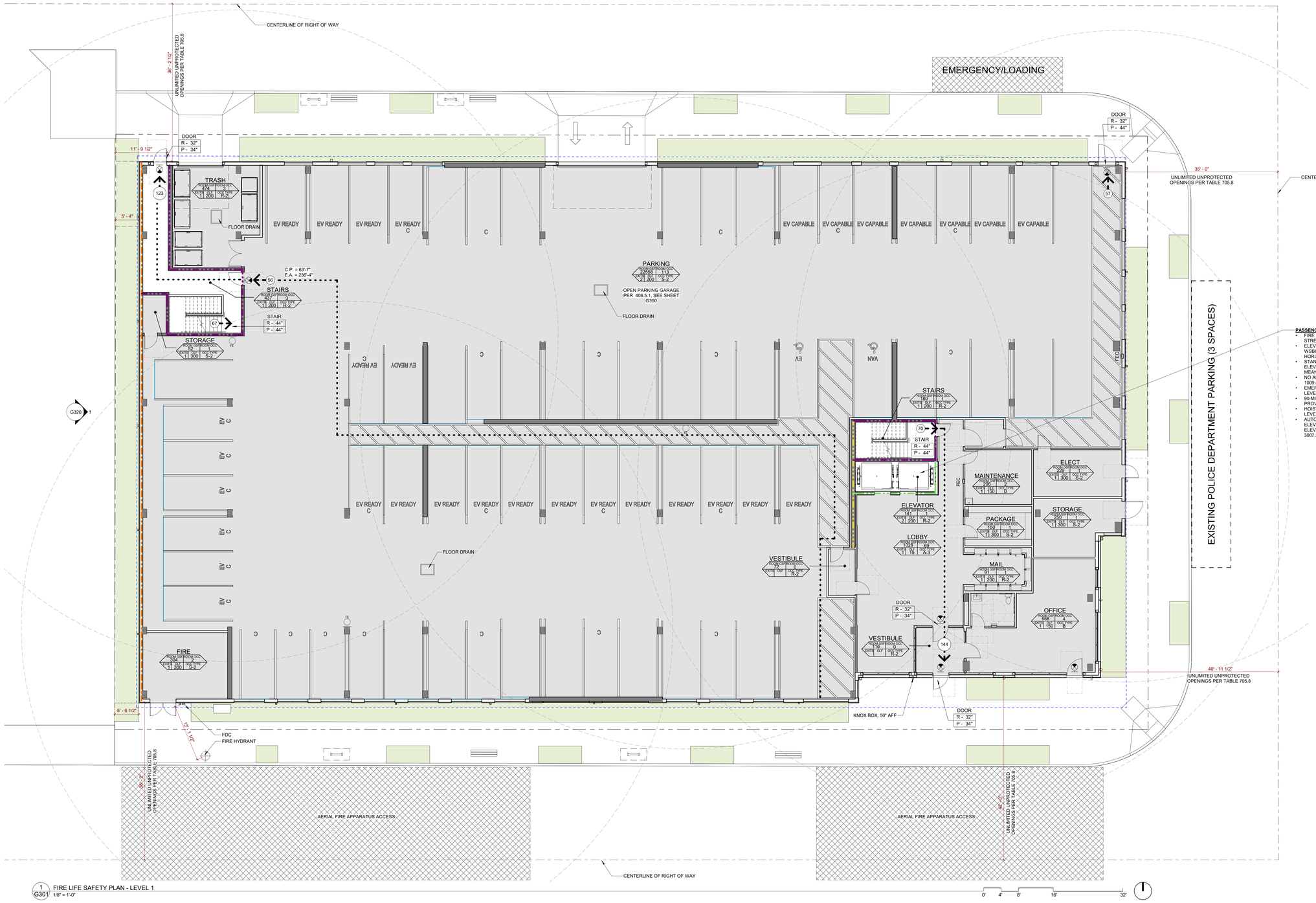

1 G301 FIRE LIFE SAFETY PLAN - LEVEL 1
1/8" = 1'-0"

PASSENGER SERVICE ELEVATOR:

- FIRE DEPARTMENT EMERGENCY ACCESS AND AMBULANCE STRETCHER COMPLIANT ELEVATOR PER WSBC 3002.4
- ELEVATOR IS NOT AN ACCESSIBLE MEANS OF EGRESS PER WSBC 1009.2.1, EXCEPTION 1. HORIZONTAL EXIT IS PROVIDED ON LEVEL 2-5.
- STANDBY POWER NOT REQUIRED PER WSBC 1009.4.1 AS ELEVATOR IS NOT CONSIDERED PART OF AN ACCESSIBLE MEANS OF EGRESS.
- NO AREA OF REFUGE REQUIRED AT ELEVATOR PER WSBC 1009.4.2, EXCEPTION 2.
- EMERGENCY TWO WAY COMMUNICATION REQUIRED AT LEVELS 2-ROOF PER WSBC 1009.8
- 90-MIN RATED ELEVATOR HOISTWAY SMOKE DOOR PROVIDED AT 2-HR RATED SHAFT.
- HOISTWAY OPENING PROTECTION NOT REQUIRED AT LEVEL 1 PER WSBC 3006.2, EXCEPTION 2.
- AUTOMATIC SPRINKLERS SHALL NOT BE INSTALLED IN THE ELEVATOR HOISTWAY, ELEVATOR MACHINE ROOM AND ELEVATOR CONTROL SPACE PER COMPLIANCE WITH WSBC 3007.2.1.

FLS SCHEDULE - LEVEL 1

NAME	OCCUPANT TYPE	AREA	OCCUPANT LOAD FACTOR	OCCUPANT LOAD	COMMENTS
VESTIBULE	R-2	116 SF		0	
VESTIBULE	R-2	72 SF		0	
TRASH	R-2	474 SF	200	3	NON-SEPARATED OCCUPANCY
STORAGE	S-2	52 SF	300	1	NON-SEPARATED OCCUPANCY
STORAGE	S-2	250 SF	300	1	NON-SEPARATED OCCUPANCY
STAIRS	R-2	180 SF	200	1	
STAIRS	R-2	437 SF	200	3	
PARKING	S-2	22,558 SF	200	113	NON-SEPARATED OCCUPANCY
PACKAGE	S-2	150 SF	300	1	NON-SEPARATED OCCUPANCY
OFFICE	B	568 SF	150	4	NON-SEPARATED OCCUPANCY
MAINTENANCE	B	206 SF	150	2	NON-SEPARATED OCCUPANCY
MAIL	R-2	91 SF	200	1	NON-SEPARATED OCCUPANCY
LOBBY	A-3	1,028 SF	15	69	NON-SEPARATED OCCUPANCY
FIRE	S-2	304 SF	300	2	NON-SEPARATED OCCUPANCY
ELEVATOR	R-2	141 SF	200	1	
ELECT	S-2	229 SF	300	1	NON-SEPARATED OCCUPANCY
Grand total: 16		26,858 SF		203	

LEGEND - FIRE LIFE SAFETY

- C.P. = X'-X" / E.A. = Y'-Y" — PATH OF EGRESS. C.P. = COMMON PATH DISTANCE E.A. = EXIT ACCESS DISTANCE
- PROPERTY LINE
- 1/2-HR FIRE PARTITION
- 1-HR FIRE PARTITION WITH RATED DOOR (DWELLING UNIT OR OCCUPANCY TYPE SEPARATION)
- 1-HR FIRE BARRIER
- 1-HR FIRE-RESISTANCE RATING WITH NON-RATED OPENINGS
- 1-HR CONSTRUCTION
- 2-HR FIRE BARRIER
- 2-HR HORIZONTAL EXIT (FIRE BARRIER) - 90-MIN DOOR
- 3-HR FIRE RESISTANCE RATING
- 3-HR FIRE BARRIER
- 1-HR PRIMARY FRAMING MEMBER - COLUMN
- 1-HR PRIMARY FRAMING MEMBER - BEAM
- SETBACK

NAME | ROOM GSF | ROOM OCC | EXITS | OLF | OCC TYPE — LIFE SAFETY SUMMARY TAG

R - 32" / P - 34" — MINIMUM REQUIRED EGRESS WIDTH / PROVIDED (CLEAR) EGRESS WIDTH

EGRESS WIDTH IS CALCULATED BASED ON WSBC SECTION 1005.3: 0.3" PER OCCUPANT FOR STAIRWAYS, 0.2" PER OCCUPANT FOR OTHER EGRESS COMPONENTS

FEC — RECESSED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER, SEE GENERAL NOTE FOR DISTANCE REQUIREMENTS

FE — BRACKET MOUNTED FIRE EXTINGUISHER, SEE GENERAL NOTE FOR DISTANCE REQUIREMENTS

EXIT FIXTURE, DOUBLE FACED, DIRECTION OF ARROW(S) AS SHOWN.

EXIT FIXTURE, SINGLE FACED, DIRECTION OF ARROW(S) AS SHOWN.

STANDPIPE

NON-SEPARATED OCCUPANCY PER WSBC 508.3

23 — OCCUPANTS AT OCCUPANCY EXIT

23 — TOTAL OCCUPANTS AT EXIT DISCHARGE

AREA OF REFUGE

GENERAL NOTES - FIRE LIFE SAFETY

1. SITE PLAN INFO FOR REFERENCE ONLY. SEE CIVIL DRAWINGS FOR SITE INFORMATION.
2. SEE STRUCTURAL DRAWINGS FOR LOAD-BEARING WALL LOCATIONS.
3. PROVIDE PORTABLE FIRE EXTINGUISHERS WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDING ON EACH FLOOR, IN ACCORDANCE WITH THE WSBC SECTION 906.
4. REFER TO A100 SERIES FOR FLOOR ASSEMBLY RATINGS. FLOOR ASSEMBLIES SEPARATING DWELLINGS UNITS IN THE SAME BUILDINGS AND FLOOR ASSEMBLIES SEPARATING SLEEPING UNITS IN THE SAME BUILDING SHALL BE CONSTRUCTED AS HORIZONTAL ASSEMBLIES IN ACCORDANCE WITH WSBC 711. HORIZONTAL ASSEMBLIES SERVING DWELLING OR SLEEPING UNITS SHALL NOT BE LESS THAN 1-HR FIRE RATED CONSTRUCTION PER WSBC 711.2.4.3.
5. PER WSBC SECTION 1013, EXITS AND EXIT ACCESS DOORS SHALL BE MARKED BY AN APPROVED EXIT SIGN READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL.
6. AREA OF REFUGE IS NOT REQUIRED AT STAIRWAYS PER WSBC 1009.3.3, EXCEPTION 2.
7. SEE ELECTRICAL PLANS FOR SMOKE DETECTOR LOCATIONS.
8. SEE SHEET A950 FOR DOOR SCHEDULE AND DOOR RATINGS.

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION: DESCRIPTION:

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11707 REGISTERED ARCHITECT JOHN R. WONG STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
FIRE LIFE SAFETY - SITE + LEVEL 1

SHEET NO.:
G301

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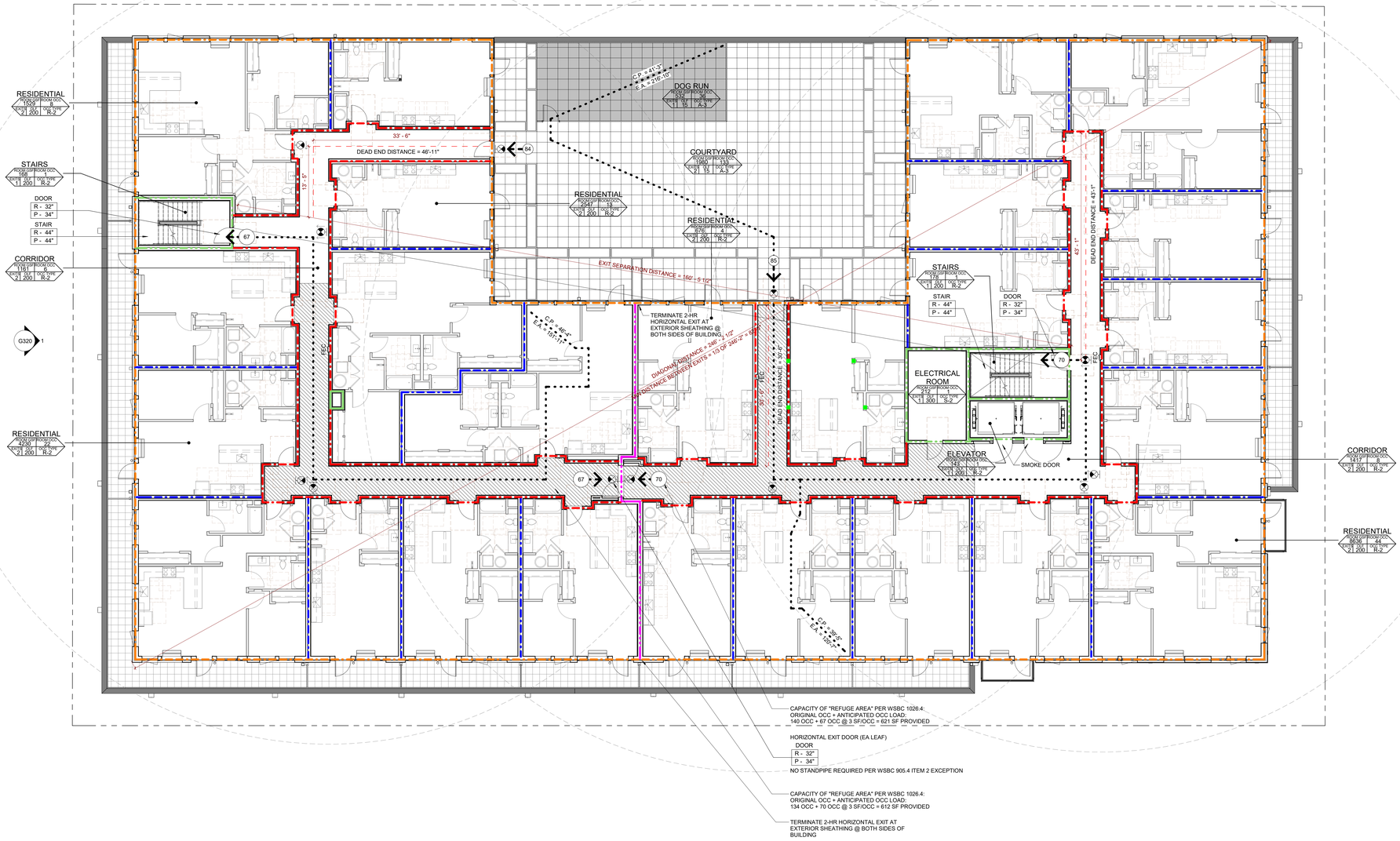

1 G302 FIRE LIFE SAFETY PLAN - LEVEL 2
1/8" = 1'-0"

0' 4' 8' 16' 32'

FLS SCHEDULE - LEVEL 2

NAME	OCCUPANT TYPE	AREA	OCCUPANT LOAD FACTOR	OCCUPANT LOAD	COMMENTS
STAIRS	R-2	168 SF	200	1	
STAIRS	R-2	178 SF	200	1	
RESIDENTIAL	R-2	8,636 SF	200	44	UNIT BALCONIES EXCLUDED PER WSBC 1004.7, EXCEPTION 2.
RESIDENTIAL	R-2	1,529 SF	200	8	UNIT BALCONIES EXCLUDED PER WSBC 1004.7, EXCEPTION 2.
RESIDENTIAL	R-2	2,547 SF	200	13	UNIT BALCONIES EXCLUDED PER WSBC 1004.7, EXCEPTION 2.
RESIDENTIAL	R-2	676 SF	200	4	UNIT BALCONIES EXCLUDED PER WSBC 1004.7, EXCEPTION 2.
RESIDENTIAL	R-2	4,230 SF	200	22	UNIT BALCONIES EXCLUDED PER WSBC 1004.7, EXCEPTION 2.
ELEVATOR	R-2	143 SF	200	1	
ELECTRICAL ROOM	S-2	212 SF	300	1	
DOG RUN	A-3	532 SF	15	36	EXTERIOR
COURTYARD	A-3	1,980 SF	15	133	EXTERIOR
CORRIDOR	R-2	1,161 SF	200	6	
CORRIDOR	R-2	1,417 SF	200	8	
Grand total: 13		23,409 SF		278	

LEGEND - FIRE LIFE SAFETY

- C.P. = X'-X" / E.A. = Y'-Y" — PATH OF EGRESS; C.P. = COMMON PATH DISTANCE; E.A. = EXIT ACCESS DISTANCE
- PROPERTY LINE
- 1/2-HR FIRE PARTITION
- 1-HR FIRE PARTITION WITH RATED DOOR (DWELLING UNIT OR OCCUPANCY TYPE SEPARATION)
- 1-HR FIRE BARRIER
- 1-HR FIRE-RESISTANCE RATING WITH NON-RATED OPENINGS
- 1-HR CONSTRUCTION
- 2-HR FIRE BARRIER
- 2-HR HORIZONTAL EXIT (FIRE BARRIER) - 90-MIN DOOR
- 3-HR FIRE RESISTANCE RATING
- 3-HR FIRE BARRIER
- 1-HR PRIMARY FRAMING MEMBER - COLUMN
- 1-HR PRIMARY FRAMING MEMBER - BEAM
- SETBACK

NAME (ROOM GSF | ROOM OCC | EXITS | OLF | OCC TYPE) — LIFE SAFETY SUMMARY TAG

R - 32" / P - 34" — MINIMUM REQUIRED EGRESS WIDTH; PROVIDED (CLEAR) EGRESS WIDTH

EGRESS WIDTH IS CALCULATED BASED ON WSBC SECTION 1005.3: 0.3" PER OCCUPANT FOR STAIRWAYS, 0.2" PER OCCUPANT FOR OTHER EGRESS COMPONENTS

FEC — RECESSED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER, SEE GENERAL NOTE FOR DISTANCE REQUIREMENTS

FE — BRACKET MOUNTED FIRE EXTINGUISHER, SEE GENERAL NOTE FOR DISTANCE REQUIREMENTS

EXIT FIXTURE, DOUBLE FACED, DIRECTION OF ARROW(S) AS SHOWN.

EXIT FIXTURE, SINGLE FACED, DIRECTION OF ARROW(S) AS SHOWN.

STANDPIPE

NON-SEPARATED OCCUPANCY PER WSBC 508.3

23 — OCCUPANTS AT OCCUPANCY EXIT

23 — TOTAL OCCUPANTS AT EXIT DISCHARGE

AREA OF REFUGE

GENERAL NOTES - FIRE LIFE SAFETY

1. SITE PLAN INFO FOR REFERENCE ONLY. SEE CIVIL DRAWINGS FOR SITE INFORMATION.
2. SEE STRUCTURAL DRAWINGS FOR LOAD-BEARING WALL LOCATIONS.
3. PROVIDE PORTABLE FIRE EXTINGUISHERS WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDING ON EACH FLOOR, IN ACCORDANCE WITH THE WSBC SECTION 906.
4. REFER TO A100 SERIES FOR FLOOR ASSEMBLY RATINGS. FLOOR ASSEMBLIES SEPARATING DWELLINGS UNITS IN THE SAME BUILDINGS AND FLOOR ASSEMBLIES SEPARATING SLEEPING UNITS IN THE SAME BUILDING SHALL BE CONSTRUCTED AS HORIZONTAL ASSEMBLIES IN ACCORDANCE WITH WSBC 711. HORIZONTAL ASSEMBLIES SERVING DWELLING OR SLEEPING UNITS SHALL NOT BE LESS THAN 1-HR FIRE RATED CONSTRUCTION PER WSBC 711.2.4.3.
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6. AREA OF REFUGE IS NOT REQUIRED AT STAIRWAYS PER WSBC 1009.3.3, EXCEPTION 2.
7. SEE ELECTRICAL PLANS FOR SMOKE DETECTOR LOCATIONS.
8. SEE SHEET A950 FOR DOOR SCHEDULE AND DOOR RATINGS.

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS
DATE: 20 MARCH 2026 BUILDING PERMIT SET
REVISION: DESCRIPTION:

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11707 REGISTERED ARCHITECT JOHN R. WOHL STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
FIRE LIFE SAFETY - LEVEL 2

SHEET NO.:
G302

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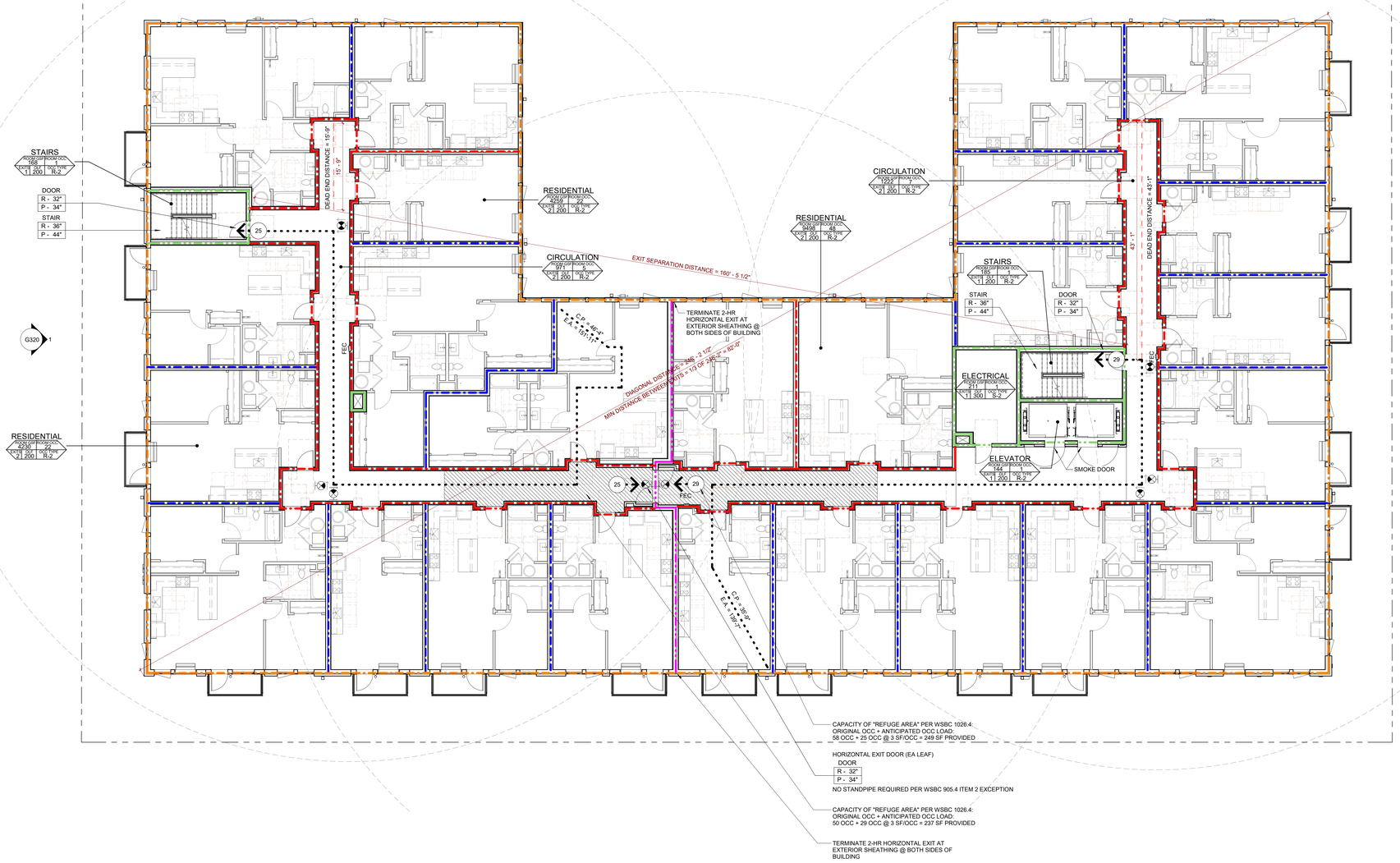

1 G305 FIRE LIFE SAFETY PLAN - LEVEL 3
1/8" = 1'-0"

0' 4' 8' 16' 32'

FLS SCHEDULE - LEVEL 3					
NAME	OCCUPANT TYPE	AREA	OCCUPANT LOAD FACTOR	OCCUPANT LOAD	COMMENTS
STAIRS	R-2	168 SF	200	1	
STAIRS	R-2	185 SF	200	1	
RESIDENTIAL	R-2	4,259 SF	200	22	UNIT BALCONIES EXCLUDED PER WSBC 1004.7, EXCEPTION 2.
RESIDENTIAL	R-2	9,498 SF	200	48	UNIT BALCONIES EXCLUDED PER WSBC 1004.7, EXCEPTION 2.
RESIDENTIAL	R-2	4,230 SF	200	22	UNIT BALCONIES EXCLUDED PER WSBC 1004.7, EXCEPTION 2.
ELEVATOR	R-2	144 SF	200	1	
ELECTRICAL	S-2	211 SF	300	1	
CIRCULATION	R-2	971 SF	200	5	
CIRCULATION	R-2	1,222 SF	200	7	
Grand total: 9		20,887 SF		108	

LEGEND - FIRE LIFE SAFETY

- C.P. = X'-X" / E.A. = Y'-Y" — PATH OF EGRESS; C.P. = COMMON PATH DISTANCE; E.A. = EXIT ACCESS DISTANCE
- PROPERTY LINE
- 1/2-HR FIRE PARTITION
- 1-HR FIRE PARTITION WITH RATED DOOR (DWELLING UNIT OR OCCUPANCY TYPE SEPARATION)
- 1-HR FIRE BARRIER
- 1-HR FIRE-RESISTANCE RATING WITH NON-RATED OPENINGS
- 1-HR CONSTRUCTION
- 2-HR FIRE BARRIER
- 2-HR HORIZONTAL EXIT (FIRE BARRIER) - 90-MIN DOOR
- 3-HR FIRE RESISTANCE RATING
- 3-HR FIRE BARRIER
- 1-HR PRIMARY FRAMING MEMBER - COLUMN
- 1-HR PRIMARY FRAMING MEMBER - BEAM
- SETBACK

NAME (ROOM GSF | ROOM OCC / EXITS | OLF | OCC TYPE) — LIFE SAFETY SUMMARY TAG

R - 32" / P - 34" — MINIMUM REQUIRED EGRESS WIDTH; PROVIDED (CLEAR) EGRESS WIDTH

EGRESS WIDTH IS CALCULATED BASED ON WSBC SECTION 1005.3: 0.3" PER OCCUPANT FOR STAIRWAYS, 0.2" PER OCCUPANT FOR OTHER EGRESS COMPONENTS

- FEC — RECESSED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER, SEE GENERAL NOTE FOR DISTANCE REQUIREMENTS
- FE — BRACKET MOUNTED FIRE EXTINGUISHER, SEE GENERAL NOTE FOR DISTANCE REQUIREMENTS
- EXIT FIXTURE, DOUBLE FACED, DIRECTION OF ARROW(S) AS SHOWN.
- EXIT FIXTURE, SINGLE FACED, DIRECTION OF ARROW(S) AS SHOWN.
- STANDPIPE
- NON-SEPARATED OCCUPANCY PER WSBC 508.3
- 23 — OCCUPANTS AT OCCUPANCY EXIT
- 23 — TOTAL OCCUPANTS AT EXIT DISCHARGE
- AREA OF REFUGE

GENERAL NOTES - FIRE LIFE SAFETY

1. SITE PLAN INFO FOR REFERENCE ONLY. SEE CIVIL DRAWINGS FOR SITE INFORMATION.
2. SEE STRUCTURAL DRAWINGS FOR LOAD-BEARING WALL LOCATIONS.
3. PROVIDE PORTABLE FIRE EXTINGUISHERS WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDING ON EACH FLOOR, IN ACCORDANCE WITH THE WSBC SECTION 906.
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6. AREA OF REFUGE IS NOT REQUIRED AT STAIRWAYS PER WSBC 1009.3.3, EXCEPTION 2.
7. SEE ELECTRICAL PLANS FOR SMOKE DETECTOR LOCATIONS.
8. SEE SHEET A950 FOR DOOR SCHEDULE AND DOOR RATINGS.

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS
DATE: 20 MARCH 2026
BUILDING PERMIT SET
REVISION: DESCRIPTION:

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11707 REGISTERED ARCHITECT JOHN R. WIGHT STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
FIRE LIFE SAFETY - LEVEL 3-5

SHEET NO.:
G305

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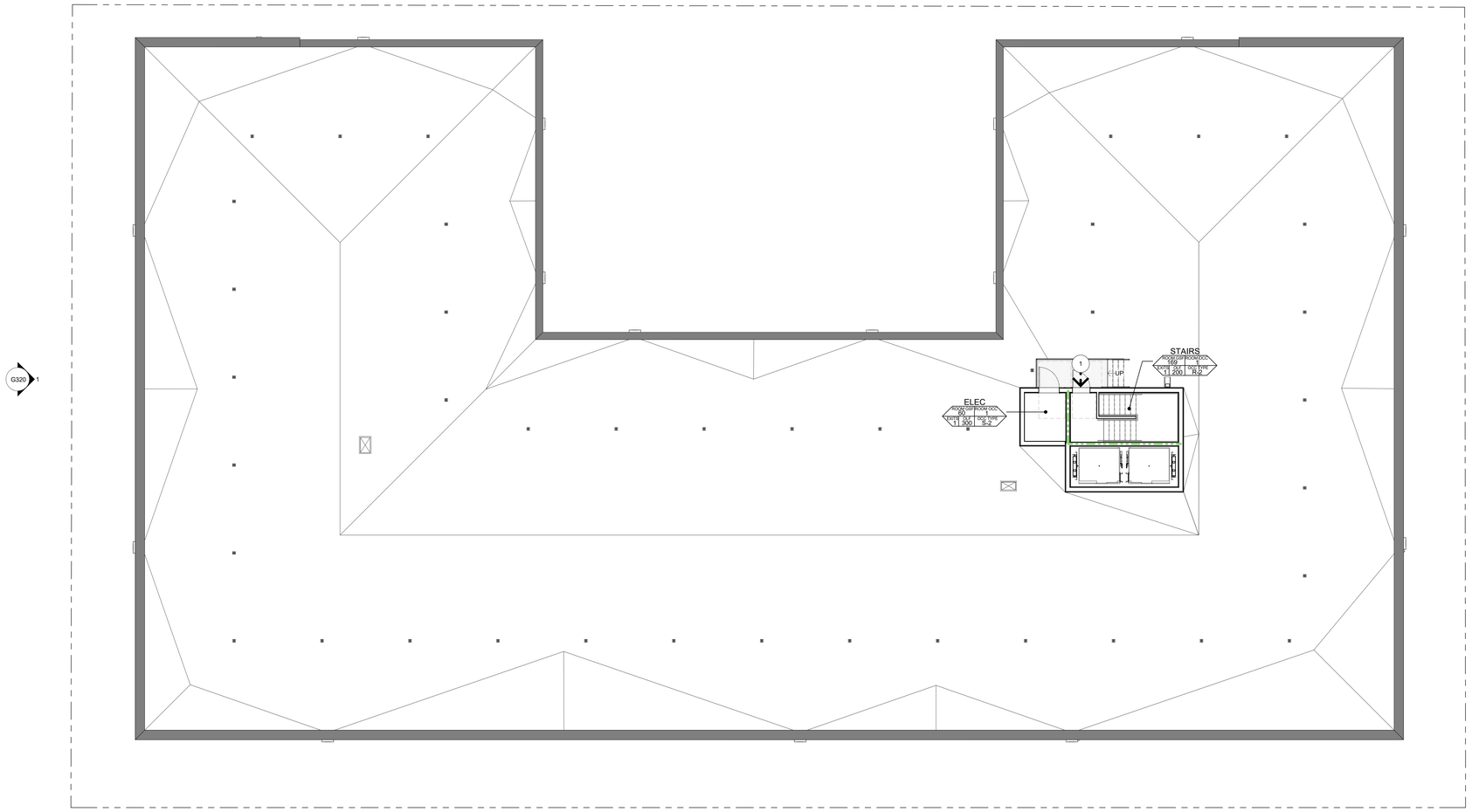

1 G306 FIRE LIFE SAFETY - ROOF
1/8" = 1'-0"

0' 4' 8' 16' 32'

LEGEND - FIRE LIFE SAFETY

C.P. = X'-X" / E.A. = Y'-Y"	PATH OF EGRESS C.P. = COMMON PATH DISTANCE E.A. = EXIT ACCESS DISTANCE
	PROPERTY LINE
	1/2-HR FIRE PARTITION
	1-HR FIRE PARTITION WITH RATED DOOR (DWELLING UNIT OR OCCUPANCY TYPE SEPARATION)
	1-HR FIRE BARRIER
	1-HR FIRE-RESISTANCE RATING WITH NON-RATED OPENINGS
	1-HR CONSTRUCTION
	2-HR FIRE BARRIER
	2-HR HORIZONTAL EXIT (FIRE BARRIER) - 90-MIN DOOR
	3-HR FIRE RESISTANCE RATING
	3-HR FIRE BARRIER
	1-HR PRIMARY FRAMING MEMBER - COLUMN
	1-HR PRIMARY FRAMING MEMBER - BEAM
	SETBACK
NAME: ROOM OSF / ROOM OCC / EXITS / OLF / OCC TYPE	LIFE SAFETY SUMMARY TAG
R - 32" / P - 34"	MINIMUM REQUIRED EGRESS WIDTH PROVIDED (CLEAR) EGRESS WIDTH EGRESS WIDTH IS CALCULATED BASED ON WSBC SECTION 1005.3: 0.3" PER OCCUPANT FOR STAIRWAYS, 0.2" PER OCCUPANT FOR OTHER EGRESS COMPONENTS
FEC	RECESSED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER, SEE GENERAL NOTE FOR DISTANCE REQUIREMENTS
FE	BRACKET MOUNTED FIRE EXTINGUISHER, SEE GENERAL NOTE FOR DISTANCE REQUIREMENTS
	EXIT FIXTURE, DOUBLE FACED, DIRECTION OF ARROW(S) AS SHOWN.
	EXIT FIXTURE, SINGLE FACED, DIRECTION OF ARROW(S) AS SHOWN.
	STANDPIPE
	NON-SEPARATED OCCUPANCY PER WSBC 508.3
23	OCCUPANTS AT OCCUPANCY EXIT
23	TOTAL OCCUPANTS AT EXIT DISCHARGE
	AREA OF REFUGE

GENERAL NOTES - FIRE LIFE SAFETY

1. SITE PLAN INFO FOR REFERENCE ONLY. SEE CIVIL DRAWINGS FOR SITE INFORMATION.
2. SEE STRUCTURAL DRAWINGS FOR LOAD-BEARING WALL LOCATIONS.
3. PROVIDE PORTABLE FIRE EXTINGUISHERS WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDING ON EACH FLOOR, IN ACCORDANCE WITH THE WSBC SECTION 906.
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6. AREA OF REFUGE IS NOT REQUIRED AT STAIRWAYS PER WSBC 1009.3.3, EXCEPTION 2.
7. SEE ELECTRICAL PLANS FOR SMOKE DETECTOR LOCATIONS.
8. SEE SHEET A950 FOR DOOR SCHEDULE AND DOOR RATINGS.

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 2529
DRAWN: JS
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION: DESCRIPTION:

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11707 REGISTERED ARCHITECT John R. Wright STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
FIRE LIFE SAFETY - ROOF

SHEET NO.:
G306

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1 G320 FIRE LIFE SAFETY - WEST ELEVATION
1/8" = 1'-0"

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS
DATE: 20 MARCH 2026
BUILDING PERMIT SET

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11707 REGISTERED ARCHITECT JOHN R. WOHN STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
FIRE LIFE SAFETY - ELEVATIONS

SHEET NO.:
G320

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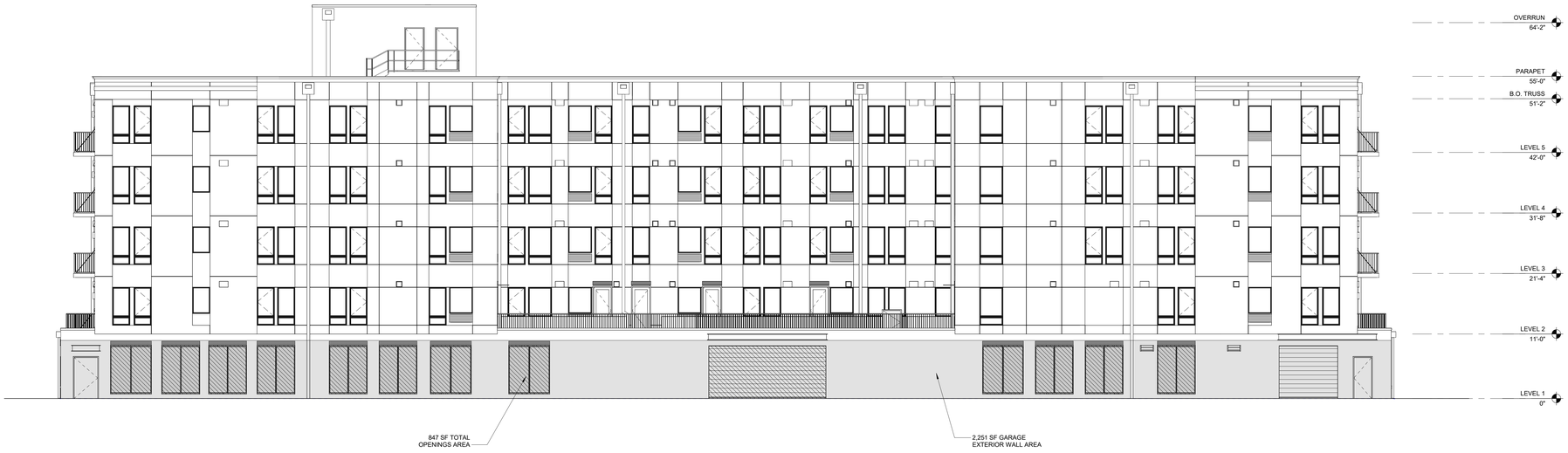
1 G350 EAST ELEVATION
1/8" = 1'-0"

2 G350 WEST ELEVATION
1/8" = 1'-0"



3 G350 NORTH ELEVATION
1/8" = 1'-0"

4 G350 SOUTH ELEVATION
1/8" = 1'-0"

EXTERIOR WALL AREA:
EAST WALL 654 SF
NORTH WALL 2,251 SF
SOUTH WALL 1,642 SF
WEST WALL 1,235 SF

TOTAL GARAGE PERIMETER WALL AREA
(EXTERIOR WALLS) = 5,782 SF

20% OF 5,782 SF = 1,157 SF
1,157 SF OF OPENING REQUIRED PER WSBC 406.5.2

TOTAL OPENINGS (AREA):
EAST WALL 333 SF
NORTH WALL 847 SF
SOUTH WALL 583 SF
WEST WALL 0 SF

TOTAL OPENINGS AREA =
1,763 SF PROVIDED (24.67%)

USING 82% TRANSPARENT MESH
1,763 x 82% = 1,445 SF PROVIDED (24.99%)

OPENINGS ARE NOT REQUIRED TO BE DISTRIBUTED OVER 40% OF THE BUILDING PERIMETER PER WSBC 406.5.2 EXCEPTION.

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
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ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: MB
DATE: 20 MARCH 2026
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11707 REGISTERED ARCHITECT JOHN R. WUHR STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
OPEN GARAGE

SHEET NO.:
G350

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GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE 2021 INTERNATIONAL BUILDING CODE WITH WASHINGTON STATE AMENDMENTS; THE 2017 ICC/ANSI A117.1 ACCESSIBILITY CODE; CITY AND COUNTY ORDINANCES; AND APPLICABLE, HEALTH, PLUMBING, MECHANICAL, FIRE AND ELECTRICAL CODES.

2. DIMENSIONS ARE FROM GRIDLINES, FACE OF STRUCTURE, OR ASSEMBLY DIMPOINTS, UON.

3. METAL BACKING SECURED TO WALL FRAMING SHALL BE INSTALLED IN PARTITIONS AT ALL GRAB BARS, PLUMBING FIXTURES, WALL CABINETS, HARDWARE, AND ANY WALL MOUNTED ACCESSORIES REQUIRING SUPPORT.

4. INTERIOR FINISHES TO MEET WSBC SECTION 803 FLAME SPREAD AND SMOKE-DEVELOPED INDEX REQUIREMENTS; AND ALL ACCESSIBILITY REQUIREMENTS AS NOTED ON PLANS AND PER ALL APPLICABLE CODE REQUIREMENTS.

5. PROVIDE ACCESS PANELS AS REQUIRED. LOCATION, FINISH, AND TYPE SHALL BE APPROVED BY ARCHITECT PRIOR TO OBTAINING AND INSTALLING. ACCESS PANEL LOCATIONS NOT APPROVED BY ARCHITECT WILL BE SUBJECT TO MODIFICATION AT NO ADDITIONAL COST. PROVIDE RATED ACCESS PANELS WITH THE SAME RATING AS THE ASSEMBLY IN WHICH THEY ARE INSTALLED. ACCESS PANELS IN SHAFT WALLS, RATED FLOOR/CEILINGS OR RATED ROOF/CEILINGS SHALL BE SMOKE SEALED.

6. PROVIDE CODE REQUIRED FIRE STOP MATERIAL AT PENETRATIONS OF RATED ASSEMBLIES.

7. IN PERFORMING PROFESSIONAL SERVICES FOR THIS PROJECT, C2K ARCHITECTURE, INC., ISSUES, EXPRESSES OR IMPLIES NO WARRANTIES OR CERTIFICATIONS.

8. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR LOCATING, IDENTIFYING, OR SPECIFYING MEANS OF REMOVAL OF ANY HAZARDOUS MATERIALS. HAZARDOUS MATERIAL TESTING SHALL BE COMPLETED BY OWNER CONTRACTED CONSULTANT.

9. CONTRACTOR IS RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION AND SHALL COORDINATE ALL CONSTRUCTION EFFORTS WITH OWNER'S REQUIREMENTS.

10. CONTRACTOR SHALL COORDINATE ALL WORK WITH OWNER AND OWNER PROVIDED CONTRACTORS, IF ANY, AS REQUIRED TO IMPLEMENT SCOPE OF WORK.

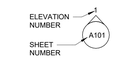
11. THE CONTRACTOR SHALL ACKNOWLEDGE AND UNDERSTAND THAT THE CONTRACT DOCUMENTS MAY REPRESENT IMPERFECT DATA AND MAY CONTAIN ERRORS, OMISSIONS, CONFLICTS, INCONSISTENCIES, CODE VIOLATIONS, AND IMPROPER USE OF MATERIALS. SUCH DEFICIENCIES WILL BE CORRECTED WHEN IDENTIFIED. THE CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE INDIVIDUAL CONTRACT DOCUMENTS AND REPORT AT ONCE IN WRITING TO THE ARCHITECT ANY DEFICIENCIES OR BEAR THE RISK AND EXPENSE OF ANY FAILURE TO DO SO. THE CONTRACTOR SHALL REQUIRE EACH SUBCONTRACTOR TO LIKEWISE STUDY THE DOCUMENTS AND IMMEDIATELY REPORT ANY DEFICIENCIES.

12. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION AND COORDINATION OF SUBCONTRACTORS WORK, COMPLIANCE WITH DRAWINGS AND SPECIFICATIONS, ACCURATE LOCATION OF STRUCTURAL MEMBERS, OPENINGS FOR MECHANICAL, ELECTRICAL, AND MISCELLANEOUS EQUIPMENT. CONTRACTOR SHALL VERIFY DIMENSIONS AND OPENING SIZES (CLEARANCES REQUIRED) FROM THE MANUFACTURERS PRIOR TO CONSTRUCTION OF OR INSTALLATION OF EQUIPMENT, FURNISHINGS, AND ACCESSORIES.

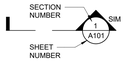
TAG LEGEND

NOT ALL TAGS MAY BE USED

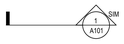
BUILDING ELEVATION



INTERIOR ELEVATION TAG



BUILDING SECTION



WALL SECTION

DETAIL / ENLARGED PLAN REFERENCE

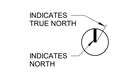
DETAIL REFERENCE

KEY NOTE

WINDOW TYPE

ELEVATION / SECTION DATUM HEIGHT

PLAN DATUM HEIGHT

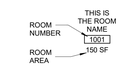


NORTH ARROW

BUILDING GRID DESIGNATION

ADDENDUM REVISION NUMBER

DOOR TAG



ROOM TAG

CEILING HEIGHT TAG, MEASURED FROM TOP OF STRUCTURAL FLOOR ASSEMBLY BELOW

WALL TYPE TAG
(SEE INTERIOR WALL TYPE LEGEND FOR EXPLANATION)

GRAIN OR PATTERN DIRECTION

FINISH TAG, REFER TO FINISH SCHEDULE

ABBREVIATIONS:

@	AT
A/V	AUDIO VISUAL
AB	ANCHOR BOLT
AC	AIR CONDITIONING
ACDN	ACCORDION
ACOUST	ACOUSTICAL
ACP	ACOUSTICAL CEILING PANEL
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJUST, ADJUSTABLE
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL
AFF	ABOVE FINISH FLOOR
AFL	ABOVE FLOOR LEVEL
ALUM	ALUMINUM
APPROX	APPROXIMATELY
ARCH	ARCHITECTURAL
ASPH	ASPHALT
AUTO	AUTOMATIC
BC	BOTTOM OF CURB
BD	BOARD
BDRM	BEDROOM
BITUM	BITUMINOUS
BKR	BACKER
BL	BLINDS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BLKT	BLANKET
BM	BEAM
BOT/BTM	BOTTOM
BUR	BUILT-UP BITUMINOUS ROOFING
BW	BOTTOM OF WALL
CPT	CARPET
CAB	CABINET
CEM	CEMENT, CEMENTITIOUS
CG	CORNER GUARD
CI	CAST IRON
CIP	CAST IN PLACE
CJ	CONTROL JOINT
CK TP	COOK TOP
CL	CENTER LINE
CLG	CEILING
CLO	CLOSER
CLR	CLEAR
CMU	CONCRETE MASONRY UNITS
CNTR	COUNTER
COL	COLUMN
COMP	COMPOSITE
CONC	CONCRETE
COND	CONDITION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CORR	CORRIDOR
CSMU	CALCIUM SILICATE MASONRY UNIT
CTG	COATING
CTR	CENTER
CTRL	CONTROL
CTSK	COUNTERSINK
CTV	CABLE TV
CU	CUBIC
CUST	CUSTOM
CW	CURTAIN WALL
DBL	DOUBLE
DEC	DECORATIVE
DEFL	DEFLECTION
DEMO	DEMOLISH
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DN	DOWN
DR	DOOR, DINING ROOM
DRS	DOORS
DS	DOWNSPOUT
DW	DISHWASHER
DWG	DRAWING
DWR	DRAWER
(E)	EXISTING
EA	EACH
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
ENTR	ENTRANCE
EOS	EDGE OF SLAB
EPS	EXPANDED POLYSTYRENE
EQ	EQUAL
EQPT	EQUIPMENT
ES	EACH SIDE
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EX	EXHAUST
EXIST	EXISTING
EXP	EXPANSION
EXPS	EXPOSED
EXT	EXTERIOR
F	FABRIC, FIBER
FA	FIRE ALARM, FLUID APPLIED
FB	FLAT BAR
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CAB
FF	FINISH FLOOR
FF SAM	FOIL FACED SELF-ADHERED MEMBRANE
FFE	FINISH FLOOR ELEVATION
FHC	FIRE HOSE CABINET
FIN	FINISH
FIXT	FIXTURE
FL	FLOOR
FLDG	FOLDING
FLR	FLOOR
FLRG	FLOORING
FLSHG	FLASHING
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FO	FACE OF
FP	FIREPROOF
FPFG	FIREPROOFING
FR	FIRE RATED
FRM	FRAME
FRMD	FRAMED
FRMG	FRAMING
FRP	FIBER GLASS REINFORCED PANELS
FRT	FIRE RETARDANT TREATED
FS	FULL SIZE; FIRESTOPPING
FT	FOOT, FEET
FTG	FOOTING
GA	GAGE
GALV	GALVANIZED
GB	GRAB BAR
GBATH	GUEST BATH
GBDRM	GUEST BEDROOM
GD	GARBAGE DISPOSAL
GFRC	GLASS FIBER REINFORCED CONCRETE
GFRG	GLASS FIBER REINFORCED GYPSUM
GI	GALVANIZED IRON
GL	GLASS
GLULAM	GLU-LAMINIATED
GND	GROUND
GYP	GYPSUM
GYP BD	GYPSUM BOARD
HB	HOSE BIBB
HC	HOLLOW CORE
HDW	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HEAT PUMP
HR	HOUR
HT	HEIGHT
HT SAM	HIGH TEMPERATURE SELF-ADHERED MEMBRANE
ID	INSIDE DIAMETER
IN	INCH, INCHES
INSUL	INSULATION
INT	INTERIOR
INTUM	INTUMESCENT
JAN	JANITOR
JST	JOIST
JT	JOINT
KIT	KITCHEN
L	LINEN, LINOLEUM
LAV	LAVATORY
LF	LINEAL FEET
LIB	LIBRARY
LIV	LIVING
LKR	LOCKER
MACH	MACHINE
MAINT	MAINTENANCE
MAX	MAXIMUM
MBATH	MASTER BATH
MBDRM	MASTER BEDROOM
MC	MEDICINE CABINET
MDF	MEDIUM DENSITY FIBERBOARD
MDO	MEDIUM DENSITY OVERLAY
MECH	MECHANICAL
MED	MEDICATION
MEMB	MEMBRANE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MIRR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTD	MOUNTED
MTL	METAL
MUL	MULLION
MW	MICROWAVE
N/A	NOT APPLICABLE
NC	NON COMBUSTIBLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OBS	OBSCURE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFF	OFFICE
OH	OPPOSITE HAND, OVERHEAD
OPP	OPPOSITE
OZ	OUNCE
OFCI	OWNER FURNISHED, INSTALLED BY CONTRACTOR
OFOI	OWNER FURNISHED, INSTALLED BY OWNER
OTS	OPEN TO STRUCTURE
P	PAINT, PANTRY
P/L	PROPERTY LINE
PART BD	PARTICLE BOARD
PC	PRECAST
PED	PEDESTRIAN
PERF	PERFORATED
PH	PENTHOUSE
PKG	PACKAGE
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAST	PLASTER, PLASTIC
PNL	PANEL
POL	POLISHED
POLYISO	POLYISOCYANURATE
PP	POWER POLE
PR	PAIR
PREFIN	PREFINISHED
PREM	PREMIUM
PRKG	PARKING
PSI	POUNDS PER SQUARE INCH
PT	PRESERVATIVE TREATED, POST-TENSIONED
PTD	PAPER TOWEL DISPENSER
PTD/R	PAPER TOWEL DISPENSER AND RECEPTACLE
PTN	PARTITION
PTR	PAPER TOWEL RECEPTACLE
PVC	POLYVINYLCHLORIDE
PWD	PLYWOOD
R	RADIUS, RISER, RISERS, RANGE
RAD	RADIUS
RB	RUBBER BASE
RB HK	ROBE HOOK
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFERENCE
REFR	REFRIGERATOR
REINF	REINFORCED, REINFORCING
RES	RESIN
RESIL	RESILIENT
RF	RUBBER FLOORING
RM	ROOM
RO	ROUGH OPENING
RR	REST ROOM
S SURF	SOLID SURFACE
S&R	STILE AND RAIL
S&V	STAIN AND VARNISH
SAM	SELF-ADHERED MEMBRANE
SBS	STYRENE BUTADIENE STYRENE
SC	SEALED CONCRETE
SC	SOLID CORE
SCD	SEAT COVER DISPENSER
SCHED	SCHEDULE
SCRN	SCREEN
SD	SOAP DISPENSER
SECT	SECTION, SECTIONAL
SF	SQUARE FEET, STOREFRONT
SGL	SAFETY GLASS
SH	SHELF, SHINGLES
SHR	SHOWER
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SLDG	SLIDING
SLNT	SEALANT
SND	SANITARY NAPKIN DISPENSER
SNR	SANITARY NAPKIN RECEPTACLE
SOG	SLAB ON GRADE
SQ	SQUARE
SS	STAINLESS STEEL
SSD	SEE STRUCTURAL DRAWINGS
STD	STANDARD
STL	STEEL
STN	STAIN
STOR	STORAGE
SUSP	SUSPENDED
SV	SHEET VINYL
SYM	SYMMETRICAL
SYS	SYSTEM
T	TILE
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TB	TACK BOARD, TOWEL BAR
TC	TOP OF CURB, TRAFFIC COATING
TEL	TELEPHONE
TF	TERRAZZO FLOORING
THK	THICK
THRES	THRESHOLD
TMPD	TEMPERED
T.O.	TOP OF
TPD	TOILET PAPER DISPENSER
TPO	THERMOPLASTIC POYOLEFIN
TR	TOILET ROOM
TV	TELEVISION
TW	TOP OF WALL
TYP	TYPICAL
UNDERLAY	UNDERLAYMENT
UON	UNLESS OTHERWISE NOTED
UR	URINAL
UTIL	UTILITY
VCT	VINYL COMPOSITION TILE
VEHIC	VEHICULAR
VERT	VERTICAL
VEST	VESTIBULE
VFY	VERIFY
VIF	VERIFY IN FIELD
VG	VERTICAL GRAIN
VNR	VENEER
VP	VENEER PLASTER
W/	WITH
W/O	WITHOUT
WAINS	WAINSCOTTING
WC	WALLCOVERING, WATER CLOSET
WD	WOOD
W/D	WASHER DRYER
WF	WOOD FLOORING
WH	WALL HUNG
WOM	WALK OFF MAT
WP	WATERPROOF
WPFG	WATERPROOFING
WR	WATER RESISTANT, WATER RESISTIVE
WS	WATERSTOP
WT	WEIGHT
WV	WOOD VENEER
WW	WINDOW WALL
WWF	WOVEN WIRE FABRIC
YD	YARD
XPS	EXTRUDED POLYSTYRENE

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION: **DESCRIPTION:**

REPRODUCTION OF THIS DRAWING IS EXPRESSLY FORBIDDEN WITHOUT THE SPECIFIC WRITTEN PERMISSION OF C2K ARCHITECTURE INC.. THIS DRAWING IS ONLY CONDITIONALLY ISSUED, AND NEITHER RECEIPT OR POSSESSION THEREOF CONFERS OR TRANSFERS ANY RIGHT TO, OR LICENSE TO, USE THE SUBJECT MATTER OF THIS DRAWING OR ANY TECHNICAL INFORMATION SHOWN THEREON, NOR ANY RIGHT TO REPRODUCE THIS DRAWING OR PART THEREOF, WITHOUT THE WRITTEN AUTHORIZATION OF C2K ARCHITECTURE INC..

11707 REGISTERED ARCHITECT
JOHN R. WRIGHT
STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
ARCHITECTURAL NOTES

SHEET NO.:
A001

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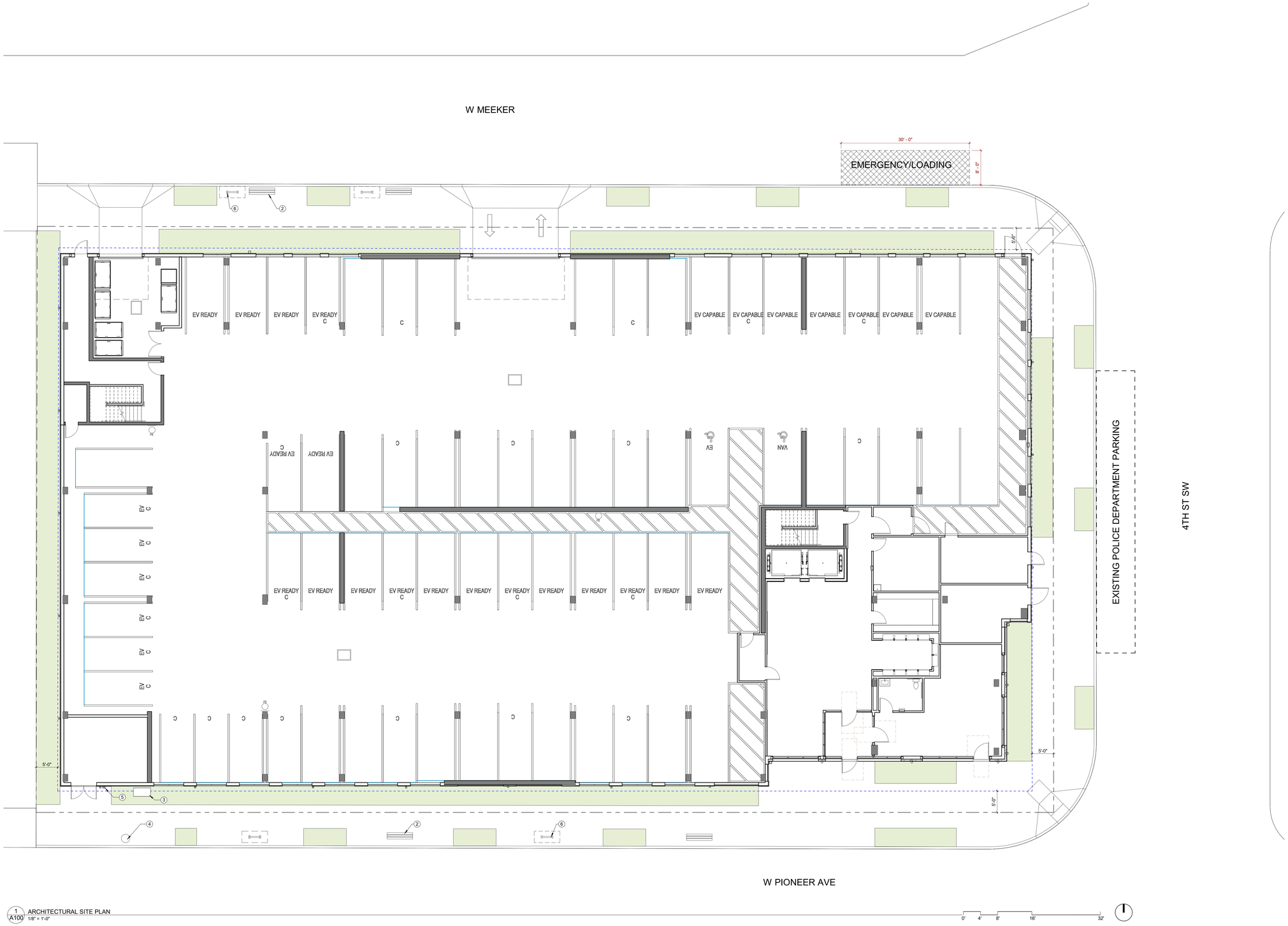

1 A100 ARCHITECTURAL SITE PLAN
1/8" = 1'-0"

0' 4' 8' 16' 32'

KEYNOTE - SITE PLAN

2 BENCH, SEE LANDSCAPE
3 RBPA, SEE CIVIL
4 FIRE HYDRANT, SEE CIVIL.
5 FIRE DEPARTMENT CONNECTION, SEE CIVIL.
6 BIKE RACK, SEE LANDSCAPE

GENERAL NOTES - SITE PLAN

1. SEE SURVEY FOR PROPERTY LINE INFORMATION.
2. SEE CIVIL PERMIT SET FOR DRIVE AISLE, PARKING STALL, AND SIDEWALK DOCUMENTATION.
3. SEE LANDSCAPE FOR SITE TREES AND LANDSCAPING DOCUMENTATION.
4. SEE G100 FOR FIRE SEPARATION DISTANCE INFORMATION.
5. EXTERIOR DOOR LANDINGS SHALL BE 2% MAX SLOPE.

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

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11707 REGISTERED ARCHITECT JOHN R. WOHL STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
ARCHITECTURAL SITE PLAN

SHEET NO.:
A100

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GA FILE NO. WP 8105	GENERIC	1 HOUR FIRE	

GYPSUM WALLBOARD, GYPSUM SHEATHING, WOOD STUDS

Fire Design:

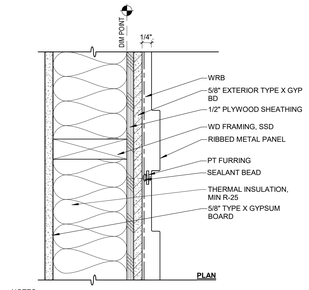
EXTERIOR SIDE: **One** layer 48" wide 5/8" type X gypsum sheathing applied vertically or horizontally with long joints over framing; roofing nails 4" o.c. at vertical joints and 7" o.c. at intermediate studs and top and bottom plates. Joints of gypsum sheathing may be left untreated. Exterior cladding to be attached through sheathing to studs.

INTERIOR SIDE: **One** layer 5/8" type X gypsum wallboard, water-resistant gypsum backing board, or gypsum veneer base applied parallel or perpendicular to framing; nailed at 7" o.c. with 1-7/8" long, 0.0915" shank, 1/4" heads, 7" o.c. **(LOAD-BEARING)**

Thickness: 4-3/4" without cladding (Fire)

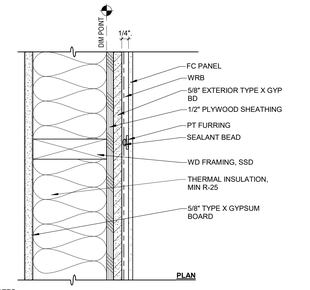
Approx. Weight: 6 psf without cladding (Fire)

Fire Test: See WP 3510 (UL R3921-47, -48, 09-17-65, UL Design U309, UL R1379-109, 07-22-70, UL Design U314)



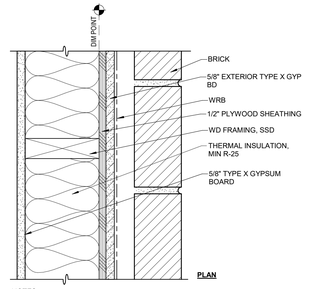
NOTES
1. FIRE RATING: 1 HR PER GA WP 8105
2. PLYWOOD SHEATHING PERMITTED PER GA GENERAL NOTE 26
3. AT LEVEL 1, PROVIDE FIRE RETARDANT TREATED WOOD STUDS

53 - EXT - WOOD - METAL PANEL - W/ SHEATHING



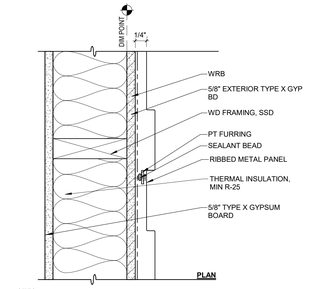
NOTES
1. FIRE RATING: 1 HR PER GA WP 8105
2. PLYWOOD SHEATHING PERMITTED PER GA GENERAL NOTE 26
3. AT LEVEL 1, PROVIDE FIRE RETARDANT TREATED WOOD STUDS

52 - EXT - WOOD - FIBER CEMENT PANEL - W/ SHEATHING



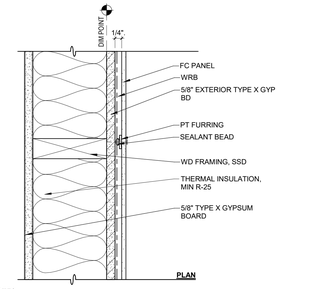
NOTES
1. FIRE RATING: 1 HR PER GA WP 8105
2. PLYWOOD SHEATHING PERMITTED PER GA GENERAL NOTE 26
3. AT LEVEL 1, PROVIDE FIRE RETARDANT TREATED WOOD STUDS

51 - EXT - WOOD - BRICK



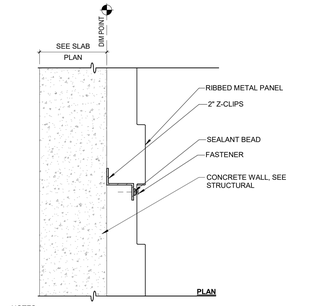
NOTES
1. FIRE RATING: 1 HR PER GA WP 8105
2. PLYWOOD SHEATHING PERMITTED PER GA GENERAL NOTE 26
3. AT LEVEL 1, PROVIDE FIRE RETARDANT TREATED WOOD STUDS

63 - EXT - WOOD - METAL PANEL - NO SHEATHING



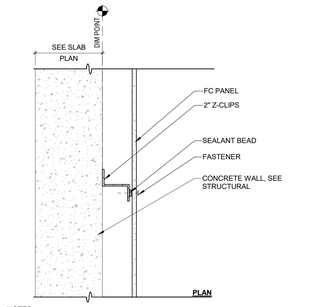
NOTES
1. FIRE RATING: 1 HR PER GA WP 8105
2. PLYWOOD SHEATHING PERMITTED PER GA GENERAL NOTE 26
3. AT LEVEL 1, PROVIDE FIRE RETARDANT TREATED WOOD STUDS

62 - EXT - WOOD - FIBER CEMENT PANEL - NO SHEATHING



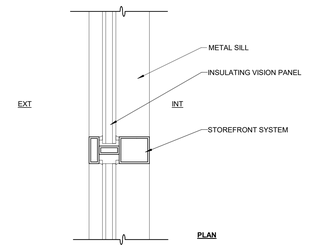
NOTES
1. FIRE RATING: 3 HR PER WSBC TABLE 721.1(3) ITEM 1-1.1

73 - EXT - CONCRETE - METAL PANEL



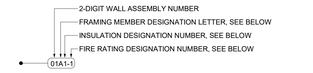
NOTES
1. FIRE RATING: 3 HR PER WSBC TABLE 721.1(3) ITEM 1-1.1

72 - EXT - CONCRETE - FIBER CEMENT PANEL



EXT - STOREFRONT

WALL ASSEMBLY TAG KEY



FRAMING MEMBER DESIGNATION

	WOOD FRAMING*
A	NOMINAL 2x4, 3x4, OR 4x4 WOOD STUD
B	NOMINAL 2x6, 3x6, OR 4x6 WOOD STUD
C	NOMINAL 2x8, 3x8, OR 4x8 WOOD STUD
AA	2x4 AND 2x4 DOUBLE WOOD STUD WALL; SEE WALL TYPE NOTE
AB	2x4 AND 2x6 DOUBLE WOOD STUD WALL; SEE WALL TYPE NOTE
BB	2x6 AND 2x6 DOUBLE WOOD STUD WALL; SEE WALL TYPE NOTE
BC	2x6 AND 2x8 DOUBLE WOOD STUD WALL; SEE WALL TYPE NOTE
	METAL FRAMING
G	7/8" FURRING CHANNEL
H	1 1/2" FURRING CHANNEL
J	1 5/8" METAL STUD
K	2 1/2" METAL STUD
L	3 5/8" METAL STUD
M	4" METAL STUD
N	6" METAL STUD
P	10" METAL STUD
Q	2 1/2" METAL C-T SHAFT WALL STUD
R	4" METAL C-T SHAFT WALL STUD
S	6" METAL C-T SHAFT WALL STUD
	CEMENTITIOUS WALLS**
T	CONCRETE
V	NOMINAL 4" CMU
W	NOMINAL 6" CMU
X	NOMINAL 8" CMU
Y	NOMINAL 10" CMU
Z	NOMINAL 12" CMU

*REFENCE STRUCTURAL DOCUMENTS FOR BEARING AND SHEAR REQUIREMENTS, REFERENCE WALL ASSEMBLY FOR SECONDARY STUD DIMENSION AT DOUBLE STUD ASSEMBLIES
**REFERENCE STRUCTURAL DOCUMENTS FOR BEARING AND REINFORCING REQUIREMENTS

INSULATION DESIGNATION

	INSULATION TYPE
0	NO INSULATION
1	SOUND-ATTENUATION BLANKETS
2	THERMAL BATT INSULATION
3	RIGID INSULATION

FIRE RATING DESIGNATION

	FIRE RATING*
	NOT RATED
-1	1 HR RATING
-2	2 HR RATING
-3	3 HR RATING

*REFERENCE FIRE LIFE SAFETY SHEETS FOR ADDITIONAL FIRE RATING INFORMATION

C2K ARCHITECTURE
1645 NW HOYT
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PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026 BUILDING PERMIT SET
REVISION: DESCRIPTION:

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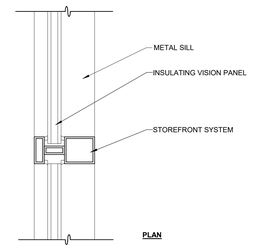
11707 REGISTERED ARCHITECT JOHN R. WOOD STATE OF WASHINGTON

BUILDING PERMIT SET

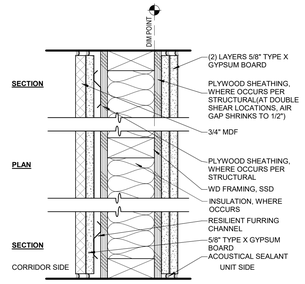
SHEET TITLE:
ASSEMBLIES - EXTERIOR VERTICAL

SHEET NO.:
A190

C:\Revit_Local\25129 Puyallup Bell Place-2025-CENTRAL_jseymour_c2k.rvt
3/18/2026 3:52:40 PM

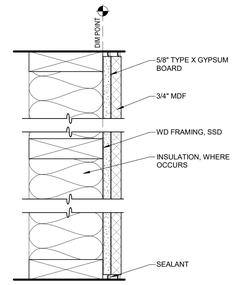


INT - STOREFRONT



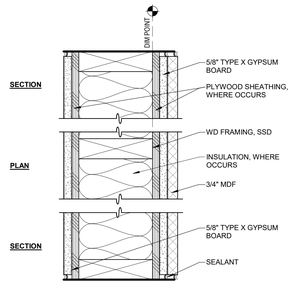
NOTES
1. FIRE RATING: 1 HR PER GA WP 3245 WHERE NOTED
2. PLYWOOD SHEATHING PERMITTED PER GA GENERAL NOTE 26
3. CONTINUE ASSEMBLY TO UNDERSIDE OF FLOOR OR ROOF ASSEMBLY
4. STC 50: PER GA WP 3245 NOAL 17-0837, 8-25-23
5. AT LEVEL 1, PROVIDE FIRE RETARDANT TREATED WOOD STUDS
6. PROVIDE A 45 DEGREE MITER FINISHED EDGE RETURN AT ALL EXPOSED MDF EDGES

33 - INT - WOOD - CORRIDOR WALL W/ MDF



NOTES
1. FIRE RATING: NON-RATED
2. AT LEVEL 1, PROVIDE FIRE RETARDANT TREATED WOOD STUDS
3. PROVIDE A 45 DEGREE MITER FINISHED EDGE RETURN AT ALL EXPOSED MDF EDGES

31 - INT - WOOD - FURRING WALL W/ MDF



NOTES
1. FIRE RATING: 1 HR PER GA WP 3605 WHERE NOTED
2. CONTINUE ASSEMBLY TO UNDERSIDE OF FLOOR OR ROOF ASSEMBLY, U.N.O. PROVIDE FIRESTOPPING AS REQUIRED TO MAINTAIN FIRE RATING.
3. AT LEVEL 1, PROVIDE FIRE RETARDANT TREATED WOOD STUDS
4. PROVIDE A 45 DEGREE MITER FINISHED EDGE RETURN AT ALL EXPOSED MDF EDGES

30 - INT - WOOD - TYPICAL WALL W/ MDF

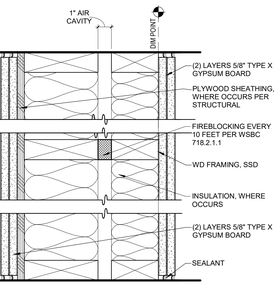
GA FILE NO. WP 5520	GENERIC	2 HOUR FIRE	65 to 69 STC SOUND

GYPSUM WALLBOARD, WOOD STUDS, INSULATION

Fire Design:
Base layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to each side of double row of 2 x 4 wood studs 16" o.c. on separate plates 1" apart with 2" Type W screws 24" o.c. **Face** layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to each side with 8d coated nails, 2-3/8" long, 0.100" shank, 1/4" heads, 8" o.c. Two layers 3.5" glass fiber insulation friction fit between studs, one layer per side.
Joints staggered 16" each layer and side. Horizontal bracing required at mid-height. **(LOAD-BEARING)**

Sound Design:
Sound tested as constructed for fire.

Thickness: Minimum 10-1/2" (Fire and Sound)
Approx. Weight: 11.5 psf (Fire and Sound)
Fire Test: See WP-4135 (FM WP-360, 9-27-74), UL R4024, 10-31-68
Sound Test: NOAL 17-0840, 8-25-17



NOTES
1. FIRE RATING: 2 HR PER GA WP 5520 WHERE NOTED
2. PLYWOOD SHEATHING PERMITTED PER GA GENERAL NOTE 26
3. CONTINUE ASSEMBLY TO UNDERSIDE OF FLOOR OR ROOF ASSEMBLY
4. STC 65: PER GA WP 5520 NOAL 17-0840, 8-25-17

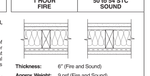
24 - INT - WOOD - 2-HR RATED FIRE BARRIER

WALLS AND INTERIOR PARTITIONS, WOOD FRAMED			
GA FILE NO. WP 3245	GENERIC	1 HOUR FIRE	50 to 54 STC SOUND

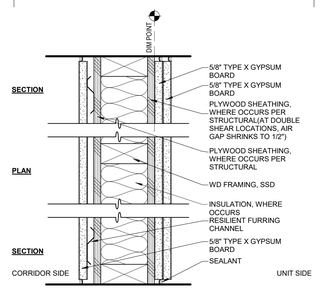
GYPSUM WALLBOARD, RESILIENT CHANNELS, INSULATION, WOOD STUDS

Fire Design:
Resilient channels 24" o.c. attached at right angles to ONE SIDE of 2 x 4 wood studs 16" o.c. with 1-1/4" Type S screws. **One** layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to channels with 1" Type S screws 8" o.c. with vertical joints located midway between studs. 3" mineral wool or glass fiber insulation in stud cavity.
OPPOSITE SIDE: **Base** layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to studs with 6d cement coated nails, 1-7/8" long, 0.0915" shank, 15/64" heads, 7" o.c **Face** layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to studs with 6d cement coated nails, 2-3/8" long, 0.113" shank, 1/4" heads, 8" o.c.
Face layer joints offset 16" from **base** layer joints. Vertical joints staggered 16" on opposite sides. **(LOAD-BEARING)**

Sound Design:
Sound tested as constructed for fire.



Thickness: 6" (Fire and Sound)
Approx. Weight: 9 psf (Fire and Sound)
Fire Test: Based on UL R14196, 05NK05371, 02-15-05, UL Design U305
Sound Test: NOAL 23-08019, 08-21-23



NOTES
1. FIRE RATING: 1 HR PER GA WP 3245 WHERE NOTED
2. PLYWOOD SHEATHING PERMITTED PER GA GENERAL NOTE 26
3. CONTINUE ASSEMBLY TO UNDERSIDE OF FLOOR OR ROOF ASSEMBLY
4. STC 50: PER GA WP 3245 NOAL 17-0837, 8-25-23

23 - INT - WOOD - CORRIDOR WALL

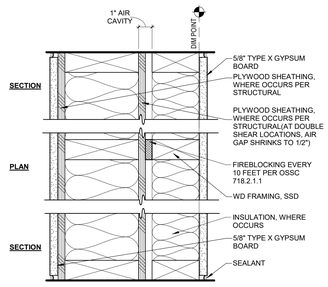
GA FILE NO. WP 3269	GENERIC	1 HOUR FIRE	50 to 54 STC SOUND

GYPSUM WALLBOARD, WOOD STUDS, INSULATION

Fire Design:
One layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to each side of double row of 2 x 4 wood studs 16" o.c. on separate plates 1" apart with 1-7/8" Type W screws 7" o.c. Two layers 3.5" unfaced glass fiber insulation friction fit on both sides of cavity.
Joints staggered 16" on opposite sides. Horizontal bracing required at mid-height. **(LOAD-BEARING)**

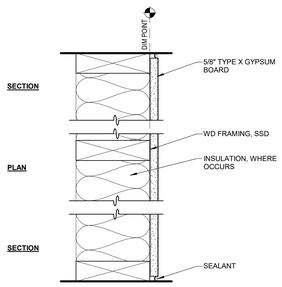
Sound Design:
Sound tested as constructed for fire.

Thickness: 9-1/2" (Fire and Sound)
Approx. Weight: 8.5 psf (Fire and Sound)
Fire Test: UL R4024, 10-31-68, UL Design U341
Sound Test: NOAL 17-0837, 08-25-17



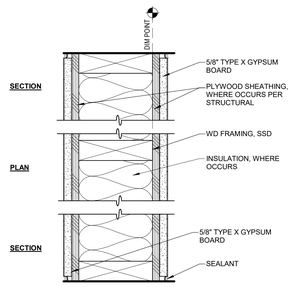
NOTES
1. FIRE RATING: 1 HR PER GA WP 3269 WHERE NOTED
2. PLYWOOD SHEATHING PERMITTED PER GA GENERAL NOTE 26
3. CONTINUE ASSEMBLY TO UNDERSIDE OF FLOOR OR ROOF ASSEMBLY
4. STC 50: PER GA WP 3269 NOAL 17-0837, 8-25-17

22 - INT - WOOD - DEMISING WALL



NOTES
1. FIRE RATING: NON-RATED
2. AT LEVEL 1, PROVIDE FIRE RETARDANT TREATED WOOD STUDS

21 - INT - WOOD - FURRING WALL



NOTES
1. FIRE RATING: 1 HR PER GA WP 3605 WHERE NOTED
2. CONTINUE ASSEMBLY TO UNDERSIDE OF FLOOR OR ROOF ASSEMBLY, U.N.O. PROVIDE FIRESTOPPING AS REQUIRED TO MAINTAIN FIRE RATING.
3. AT LEVEL 1, PROVIDE FIRE RETARDANT TREATED WOOD STUDS

20 - INT - WOOD - TYPICAL WALL

GA FILE NO. WP 3605	GENERIC	1 HOUR FIRE

GYPSUM WALLBOARD, WOOD STUDS

Fire Design:
One layer 5/8" type X plain or predecorated gypsum wallboard, water-resistant gypsum backing board, or gypsum veneer base applied parallel or at right angles to each side of 2 x 4 wood studs 16" o.c. with 6d coated nails, 1-7/8" long, 0.0915" shank, 1/4" heads, 7" o.c. Joints of square edge, bevel edge or predecorated wallboard may be left exposed.
Joints staggered 16" on opposite sides. **(LOAD-BEARING)**

Thickness: 4-7/8" (Fire)
Approx. Weight: 7 psf (Fire)
Fire Test: UL R1319-4, -6, 6-17-52, UL R2717-29, 01-20-66, UL R3501-52, 03-15-66, UL Design U305, ULC Design W301

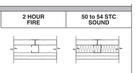
GA FILE NO. WP 5520	GENERIC	2 HOUR FIRE	65 to 69 STC SOUND

GYPSUM WALLBOARD, STEEL STUDS

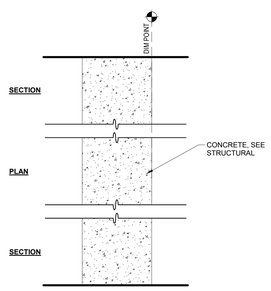
Fire Design:
One layer 1" x 24" proprietary type X gypsum panels inserted between 2-1/2" floor and ceiling runners with tab-flange section of 2-1/2" steel C-H, or C-T studs between panels.
OPPOSITE SIDE: **Base** layer 5/8" proprietary type X gypsum wallboard applied at right angles to base layer with 1-5/8" Type S screws 24" o.c. **Face** layer 5/8" proprietary type X gypsum wallboard applied at right angles to base layer with 1-5/8" Type S screws 12" o.c. **(RLS)**

Sound Design:
Sound tested with 1-1/2" glass fiber insulation friction fit in stud cavity

PROPRIETARY GYPSUM BOARD
American Gypsum Company LLC
– 5/8" FireBlock® Type X Gypsum Board
– 1" M-Bloc® Shaft Liner Panel



Thickness: 3-3/4" (Fire and Sound)
Approx. Weight: 9 psf (Fire); 9.2 psf (Sound)
Fire Test: UL R14196, 11CA505048, 11-21-11, 4786435000, 05-23-14, UL Design V455, System B
Sound Test: RAL TL08-288, 10-10-08



NOTES
1. 3HR FIRE RATING PER WSBC TABLE 722.2.1.1 WHERE REQUIRED

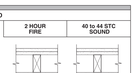
14 - INT - CONCRETE WALL

WALLS AND INTERIOR PARTITIONS, WOOD FRAMED			
GA FILE NO. WP 4135	GENERIC	2 HOUR FIRE	40 to 44 STC SOUND

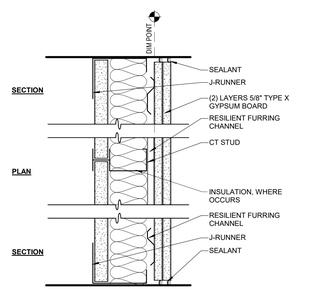
GYPSUM WALLBOARD, WOOD STUDS

Fire Design:
Base layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to each side of 2 x 4 wood studs 24" o.c. with 6d coated nails, 1-7/8" long, 0.0915" shank, 1/4" heads, 7" o.c. **Face** layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to each side with 8d coated nails, 2-3/8" long, 0.100" shank, 1/4" heads, 8" o.c.
Joints staggered 24" each layer and side. **(LOAD-BEARING)**

Sound Design:
Sound tested as constructed for fire.

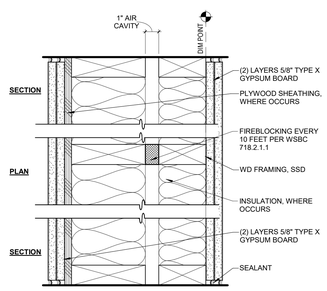


Thickness: 6" (Fire and Sound)
Approx. Weight: 9 psf (Fire and Sound)
Fire Test: FM WP 360, 09-27-74
Sound Test: NOAL 17-0829, 08-23-17



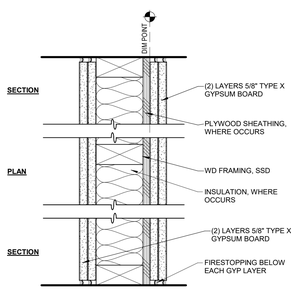
NOTES:
1. FIRE RATING: 2 HR FIRE RATED (BASED ON GA FILE WP 7058) ADDITIONAL LAYERS PERMITTED PER GA-600.
2. STC 53, USG 040909 (25ga STUDS 24" OC)
3. CONTINUE ASSEMBLY TO UNDERSIDE OF FLOOR OR ROOF ASSEMBLY, UNO PROVIDE FIRESTOPPING AS REQUIRED TO MAINTAIN FIRE RATING

13 - INT - 2HR SHAFT LINER



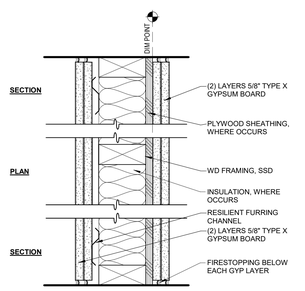
NOTES
1. FIRE RATING: 2 HR PER GA WP 5520 WHERE NOTED
2. PLYWOOD SHEATHING PERMITTED PER GA GENERAL NOTE 26
3. CONTINUE ASSEMBLY TO UNDERSIDE OF FLOOR OR ROOF ASSEMBLY
4. STC 65: PER GA WP 5520 NOAL 17-0840, 8-25-17

12 - INT - WOOD - 2HR WALL W/ DOUBLE STUDS



NOTES:
1. 2 HR FIRE RATED (BASED ON GA FILE WP 4135) ADDITIONAL LAYERS PERMITTED PER GA-600.
2. STC 55, NRCC TL-93-119 (2X4 STUDS @ 16" O.C.), STC 57 (2X6 STUDS)
3. CONTINUE ASSEMBLY TO UNDERSIDE OF FLOOR OR ROOF ASSEMBLY, UNO PROVIDE FIRESTOPPING AS REQUIRED TO MAINTAIN FIRE RATING
4. AT LEVEL 1, PROVIDE FIRE RETARDANT TREATED WOOD STUDS

11 - INT - WOOD - 2HR WALL



NOTES:
1. 2 HR FIRE RATED (BASED ON GA FILE WP 4135) ADDITIONAL LAYERS PERMITTED PER GA-600.
2. STC 55, NRCC TL-93-119 (2X4 STUDS @ 16" O.C.), STC 57 (2X6 STUDS)
3. CONTINUE ASSEMBLY TO UNDERSIDE OF FLOOR OR ROOF ASSEMBLY, UNO PROVIDE FIRESTOPPING AS REQUIRED TO MAINTAIN FIRE RATING.
4. AT LEVEL 1, PROVIDE FIRE RETARDANT TREATED WOOD STUDS

10 - INT - WOOD - 2HR WALL w/ RC

WALL ASSEMBLY TAG KEY

FRAMING MEMBER DESIGNATION

	WOOD FRAMING*
A	NOMINAL 2x4, 3x4, OR 4x4 WOOD STUD
B	NOMINAL 2x6, 3x6, OR 4x6 WOOD STUD
C	NOMINAL 2x8, 3x8, OR 4x8 WOOD STUD
AA	2x4 AND 2x4 DOUBLE WOOD STUD WALL; SEE WALL TYPE NOTE
AB	2x4 AND 2x6 DOUBLE WOOD STUD WALL; SEE WALL TYPE NOTE
BB	2x6 AND 2x6 DOUBLE WOOD STUD WALL; SEE WALL TYPE NOTE
BC	2x6 AND 2x8 DOUBLE WOOD STUD WALL; SEE WALL TYPE NOTE
	METAL FRAMING
G	7/8" FURRING CHANNEL
H	1 1/2" FURRING CHANNEL
J	1 5/8" METAL STUD
K	2 1/2" METAL STUD
L	3 5/8" METAL STUD
M	4" METAL STUD
N	6" METAL STUD
P	10" METAL STUD
Q	2 1/2" METAL C-T SHAFT WALL STUD
R	4" METAL C-T SHAFT WALL STUD
S	6" METAL C-T SHAFT WALL STUD
	CEMENTITIOUS WALLS**
T	CONCRETE
V	NOMINAL 4" CMU
W	NOMINAL 6" CMU
X	NOMINAL 8" CMU
Y	NOMINAL 10" CMU
Z	NOMINAL 12" CMU

*REFERNCE STRUCTURAL DOCUMENTS FOR BEARING AND SHEAR REQUIREMENTS, REFERENCE WALL ASSEMBLY FOR SECONDARY STUD DIMENSION AT DOUBLE STUD ASSEMBLIES
**REFERENCE STRUCTURAL DOCUMENTS FOR BEARING AND REINFORCING REQUIREMENTS

INSULATION DESIGNATION

	INSULATION TYPE
0	NO INSULATION
1	SOUND-ATTENUATION BLANKETS
2	THERMAL BATT INSULATION
3	RIGID INSULATION

FIRE RATING DESIGNATION

	FIRE RATING*
	NOT RATED
-1	1 HR RATING
-2	2 HR RATING
-3	3 HR RATING

*REFERENCE FIRE LIFE SAFETY SHEETS FOR ADDITIONAL FIRE RATING INFORMATION

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026 BUILDING PERMIT SET
REVISION: DESCRIPTION:

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BUILDING PERMIT SET

11707 REGISTERED ARCHITECT John R. Wroth STATE OF WASHINGTON

SHEET TITLE:
ASSEMBLIES - INTERIOR VERTICAL

SHEET NO.:
A191

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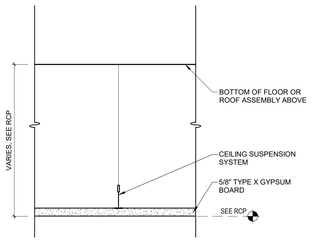
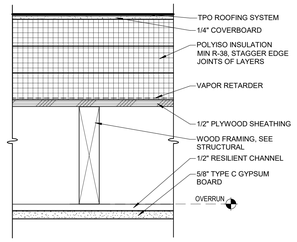


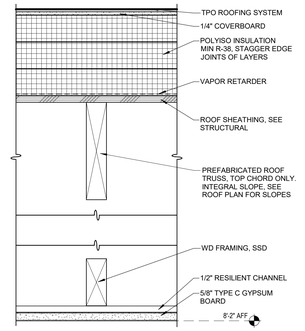
NOTES
1. FIRE RATING: NON-RATED
2. SUSPENSION SYSTEM: 1 1/2" METAL CHANNELS @ 2'-0" O.C., SUSPENDED FROM STRUCTURAL @ 4'-0" O.C. ANCHOR SUSPENSION SYSTEM TO FLOOR FRAMING ABOVE
3. METAL STUD FRAMING SPANS PER SSMA TECHNICAL GUIDE

C1 - DROPPED CEILING



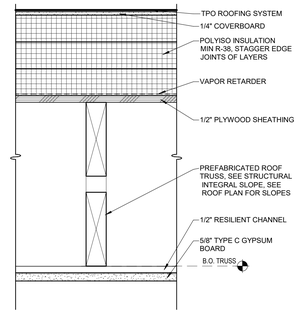
NOTES
1. FIRE RATING: 1 HR, GA FILE NO. RC 2603

R3 - ROOF @ OVERRUN



NOTES
1. FIRE RATING: 1 HR, GA FILE NO. RC 2603

R2 - ROOF AT CORRIDOR



NOTES
1. FIRE RATING: 1 HR, GA FILE NO. RC 2603

R1 - ROOF AT UNITS

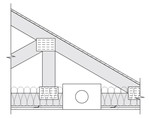
GA FILE NO. RC 2603	PROPRIETARY	1 HOUR FIRE	

WOOD TRUSSES, RESILIENT CHANNELS, INSULATION, DAMPER, GYPSUM BOARD

Fire Design:
One layer 5/8" proprietary type X gypsum board or gypsum veneer base applied at right angles to resilient channels 12" o.c. with 1-1/8" Type S screws 8" o.c. Gypsum board end joints attached with screws 8" o.c. to additional pieces of channel 60" long located 3" back on either side of end joint. Resilient channels applied at right angles to bottom chord of pitched wood trusses 24" o.c. with 1-1/4" Type S or W screws. Optional glass fiber or mineral wool batt or loose fill insulation applied directly over gypsum board. Trusses supporting 15/32" plywood or OSB roof sheathing applied at right angles to trusses with construction adhesive and 6d ring shank nails 12" o.c.
Optional ceiling damper.

PROPRIETARY GYPSUM BOARD

National Gypsum Company
– 5/8" Gold Bond® Fire-Shield C™ Gypsum Board



Approx. Ceiling Weight: 3 psf (Fire)
Fire Test: UL R3501, 00NK42686, 08-16-01, UL Design P533

GA FILE NO. FC 5107	PROPRIETARY*	1 HOUR FIRE	55 to 59 FSTC SOUND

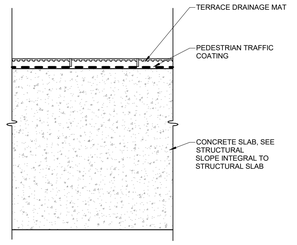
GYPSUM WALLBOARD, RESILIENT CHANNELS, WOOD JOISTS, GYPSUM FLOOR UNDERLAYMENT

One layer ½" proprietary type X gypsum wallboard or gypsum veneer base applied at right angles to resilient furring channels 24" o.c. with 1" Type S drywall screws 12" o.c. Gypsum board end joints located midway between continuous channels and attached to additional pieces of channel 54" long with screws at 12" o.c. Resilient furring channels applied at right angles to 2 x 10 wood joists 16" o.c. with 1¼" Type W screws. Wood joists supporting ⅝"or" plywood subfloor and ¼" 1000 psi sanded gypsum floor underlayment.

PROPRIETARY GYPSUM BOARD

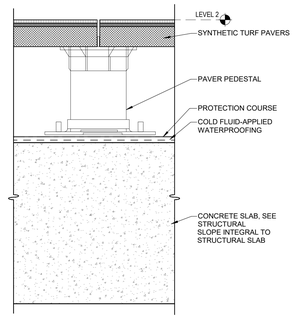
American Gypsum Company LLC	-	½" FireBloc® Type C
CertainTeed Gypsum Inc.	-	⅝" ProRock® Type C Gypsum Panels
CertainTeed Gypsum Canada Inc.	-	⅝" ProRock® Type C Gypsum Panels
Georgia-Pacific Gypsum LLC	-	½" ToughRock® Fireguard C™
Lafarge North America Inc.	-	½" Firecheck® Type C
National Gypsum Company	-	½" Gold Bond® Brand FIRE-SHIELD C™ Gypsum Board
PABCO Gypsum	-	½" FLAME CURB® Super "C"™
Temple-Inland	-	½" TG-C
United States Gypsum Company	-	½" SHEETROCK® Brand FIRECODE® C Core Gypsum Panels

Approx. Ceiling Weight: 3 psf
Fire Test: UL R1319-65, 11-16-64, UL Design L514
Field Sound Test: INTEST 5-761-3, 12-5-77



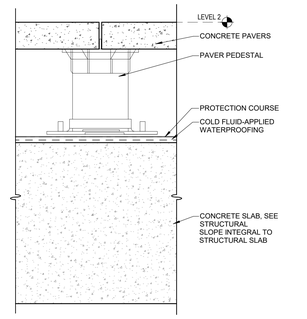
NOTES
1. FIRE RATING - 3 HR, WSBC TABLE 721.1(3) ITEM 1-1.1

F22 - TERRACE



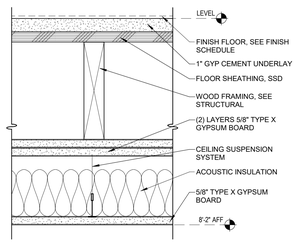
NOTES
1. FIRE RATING - 3 HR, WSBC TABLE 721.1(3) ITEM 1-1.1

F21 - DOG RUN



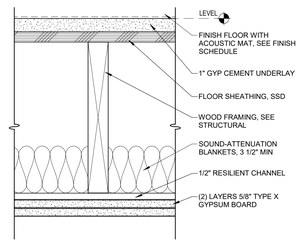
NOTES
1. FIRE RATING - 3 HR, WSBC TABLE 721.1(3) ITEM 1-1.1

F20 - COURTYARD



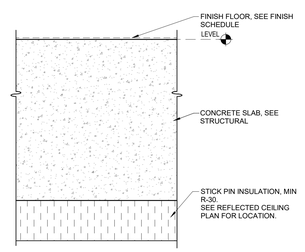
NOTES
1. FIRE RATING: 1 HR PER WSBC TABLE 721.1(3) ITEM 21-1.1

F4 - FLOOR/CEILING @ CORRIDOR



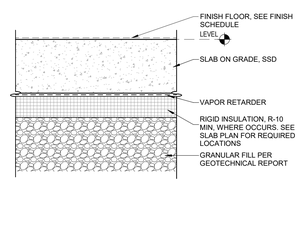
NOTES
1. FIRE RATING: 1 HR, GA FILE NO. FC 5107
2. STC: STC-55
3. SOUND TEST: INTEST T-761-3,12-5-77

F3 - FLOOR/CEILING @ UNITS



NOTES
1. FIRE RATING - 3 HR, WSBC TABLE 721.1(3) ITEM 1-1.1

F2 - PODIUM



F1 - SLAB ON GRADE

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION: DESCRIPTION:

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11707 REGISTERED ARCHITECT JOHN R. WUM STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
ASSEMBLIES - HORIZONTAL

SHEET NO.:
A192

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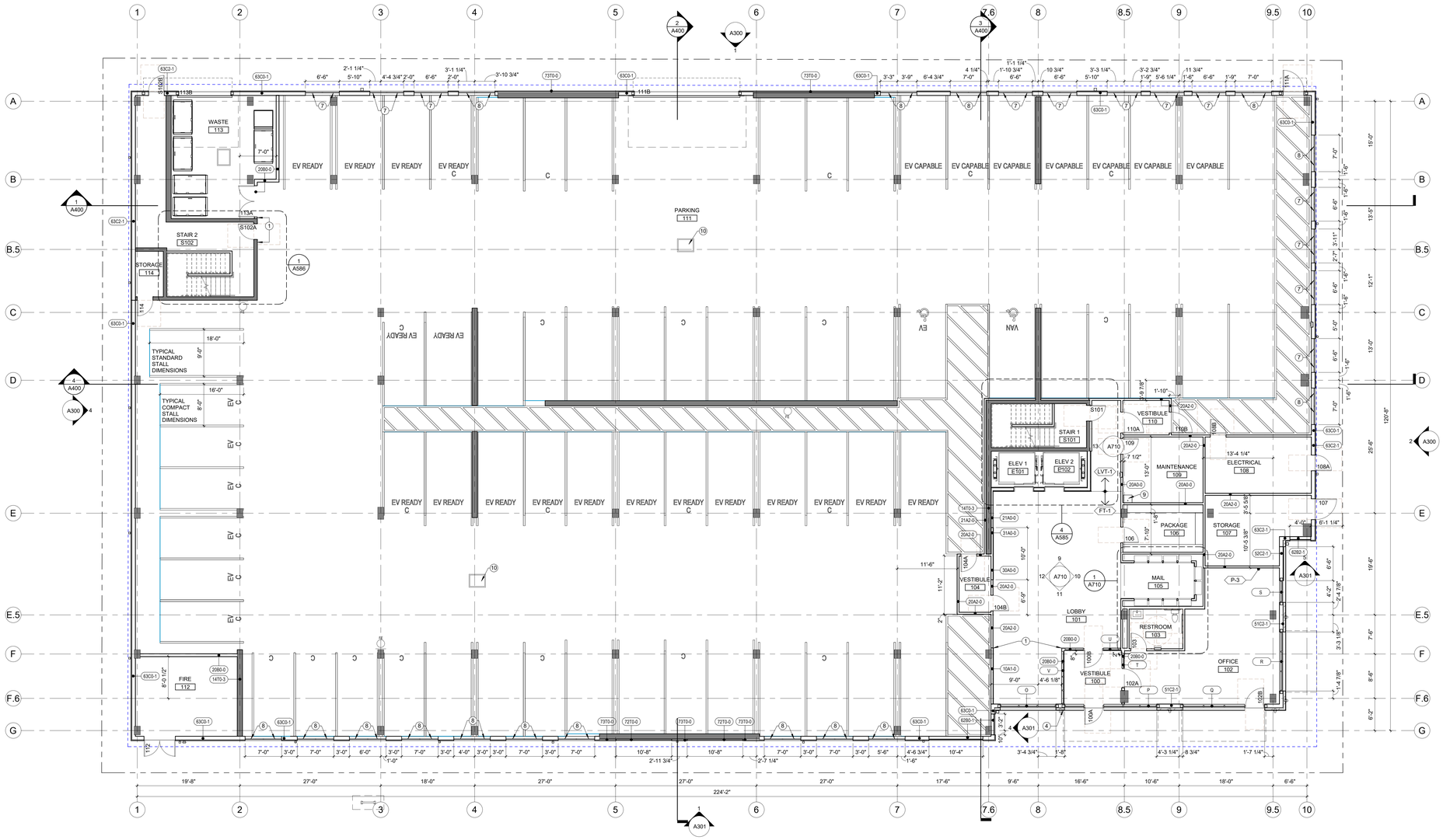
Per Sheet G100 the garage will be constructed as Type 1A. Based upon Table 601 Type 1A shall have a fire resistance rating not less than 3 hour on all exterior and interior bearing walls, and primary structural frame. (Construction Set, Sheet A201)



1 A201 FLOOR PLAN - LEVEL 1
1/8" = 1'-0"

0' 4' 8' 16' 32'

KEYNOTES - FLOOR PLAN

1 ALIGN.
2 PRE-FABRICATED PLANTER BOXES
4 KNOX BOX, 50" AFF. COORDINATE WITH CENTRAL PIERCE F&R.
6 DOWNSPOUT WITH OVERFLOW SCUPPER, SEE PLUMBING
7 3'-0" x 8'-0" WIRE MESH PANEL
8 3'-5" x 8'-0" WIRE MESH PANEL
9 JANITOR SINK, SEE PLUMBING
10 GARAGE FLOOR DRAIN, SEE CIVIL.
11 TIE-BACK ANCHOR, COORDINATE LOCATION PER MANUFACTURER REQUIREMENTS.
12 SPLASHBLOCK
13 RAILING

GENERAL NOTES - FLOOR PLAN

1. CONTRACTOR TO SET AND VERIFY CONTROL POINTS FOR LAYOUT PER CONTRACT DOCUMENTS, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
2. DOORS NOT LOCATED BY DIMENSION SHALL BE CENTERED IN THE WALL OR SHALL BE LOCATED 4" FROM FINISH WALL TO HINGE SIDE OF DOOR BUCK AT GYPSUM PARTITIONS, OR 8" FROM FINISH WALL TO HINGE SIDE OF BACK OF DOOR FRAME AT PARTITIONS THAT HAVE CMU.
3. PROVIDE BACKING FOR ALL WALL MOUNTED ACCESSORIES, FURNISHINGS AND EQUIPMENT. VERIFY WEIGHTS AND LOCATIONS.
4. REFER TO G110 FOR ACCESSIBILITY REQUIREMENTS.
5. PLAN DIMENSIONS ARE TO FACE OF STUD/CONCRETE/CMU, U.O.N. CLEAR DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH.
6. REFER TO SHEETS A190 AND A191 FOR VERTICAL ASSEMBLIES. REFER TO SHEET A192 FOR HORIZONTAL ASSEMBLIES.
7. ALL LARGE ROOFTOP EQUIPMENT TO RECEIVE CRICKETS WITH 1" PER FOOT SLOPE.
8. AT ALL GYPSUM WALLS AND CEILINGS LONGER THAN 30'-0", PROVIDE CONTROL JOINT AT MAX 30'-0" SPACING.

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
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PUYALLUP, WA 98371

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11707 REGISTERED ARCHITECT John R. Wright STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
FLOOR PLAN - LEVEL 1

SHEET NO.:
A201

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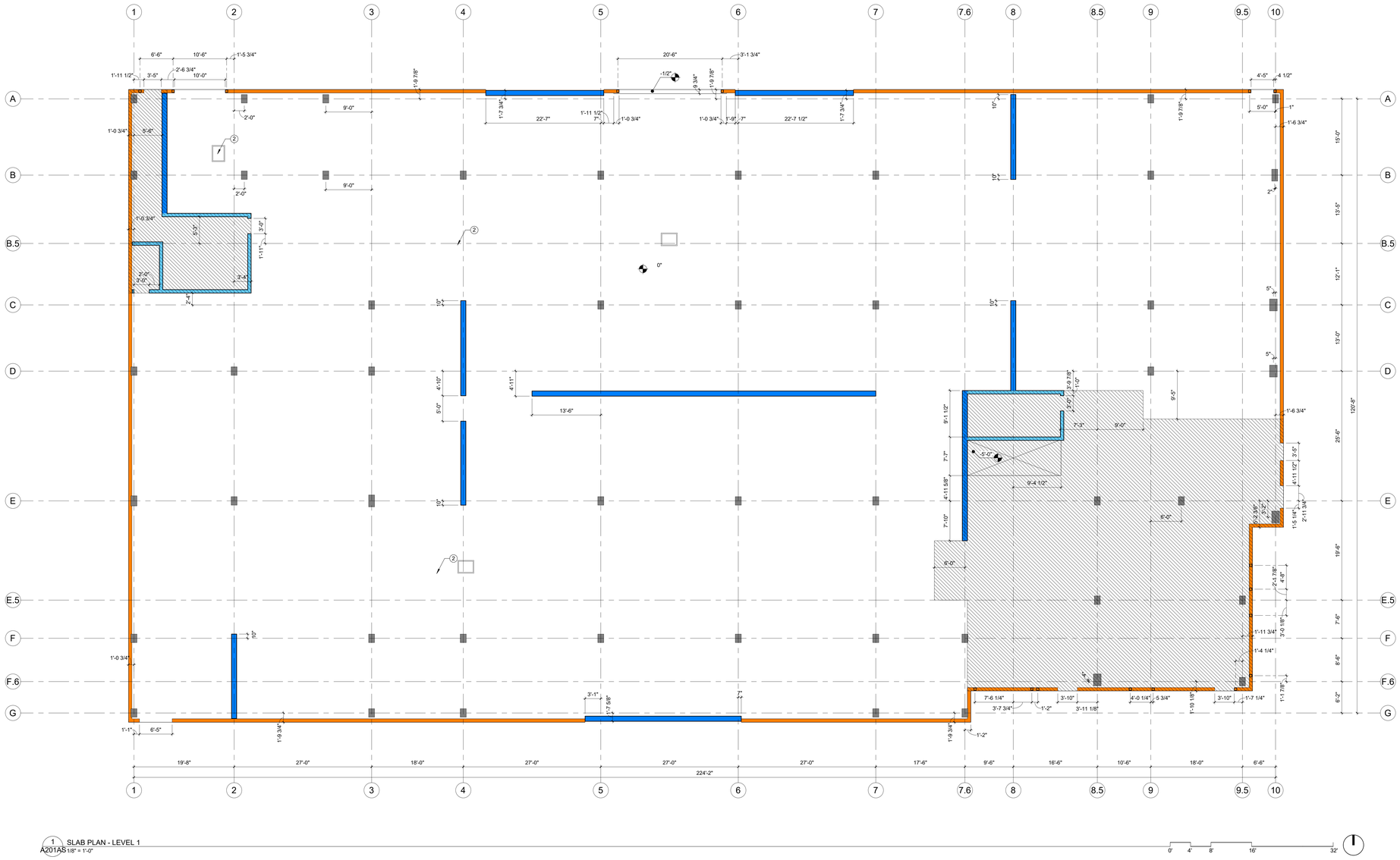

1 SLAB PLAN - LEVEL 1
A201AS 1/8" = 1'-0"

0' 4' 8' 16' 32'

SLAB PLAN LEGEND

- PRIMARY BUILDING SLAB, REFER TO STRUCTURAL
- CONCRETE COLUMNS, REFER TO STRUCTURAL
- 12" WIDE CONCRETE SHEAR WALLS, FULL HEIGHT, REFER TO STRUCTURAL
- 8" WIDE CONCRETE SHEAR WALLS, FULL HEIGHT, REFER TO STRUCTURAL
- 8" WIDE, 9" TALL CONCRETE CURB, REFER TO STRUCTURAL
- 8" WIDE, 10" TALL CONCRETE CURB, REFER TO STRUCTURAL
- 6" WIDE, 6" LONG CONCRETE CURB, TOP OF CURB 2" ABOVE LEVEL, REFER TO STRUCTURAL
- 6" WIDE, 6" LONG CONCRETE CURB, TOP OF CURB 3" BELOW LEVEL, REFER TO STRUCTURAL
- HSS POST, REFER TO STRUCTURAL
- PROVIDE UNDER SLAB INSULATION BELOW PER HORIZONTAL ASSEMBLY

(#) KEYNOTES - SLAB PLAN

1 HSS COLUMN, SEE STRUCTURAL.
2 FLOOR AREA DRAIN, SEE CIVIL
3 DRAIN AND OVERFLOW, SEE PLUMBING

GENERAL NOTES - SLAB PLAN

1. CONTRACTOR TO SET AND VERIFY CONTROL POINTS FOR LAYOUT PER CONTRACT DOCUMENTS, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
2. SEE SHEET A001 FOR LEGEND AND DIMENSIONING INFORMATION. SLAB PLAN DIMENSIONS ARE MEASURED TO GRID LINES, FACE OF CURB, FACE OF CONCRETE WALL AND CENTERLINE OF STEEL, U.O.N.
3. CONTRACTOR TO COORDINATE DIMENSIONS AND LOCATIONS OF HOUSEKEEPING PADS REQUIRED BY EQUIPMENT (MEP, FIRE PROTECTION, POOL, ETC.) WITH EQUIPMENT MANUFACTURER PRIOR TO COMMENCING WORK.
4. ELEVATION POINTS ARE TO TOP OF STRUCTURAL SLAB, U.O.N.
5. PRIOR TO POUR, ALL AFFECTED TRADES BUT REVIEW, VERIFY AND SIGN OFF ON PROPOSED SLAB LAYOUTS INCLUDING OPENINGS, PENETRATIONS, EMBEDS AND CURBS.

C2K
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PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

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11707 REGISTERED ARCHITECT JOHN R. WOHN STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
SLAB PLAN - LEVEL 1

SHEET NO.:
A201AS

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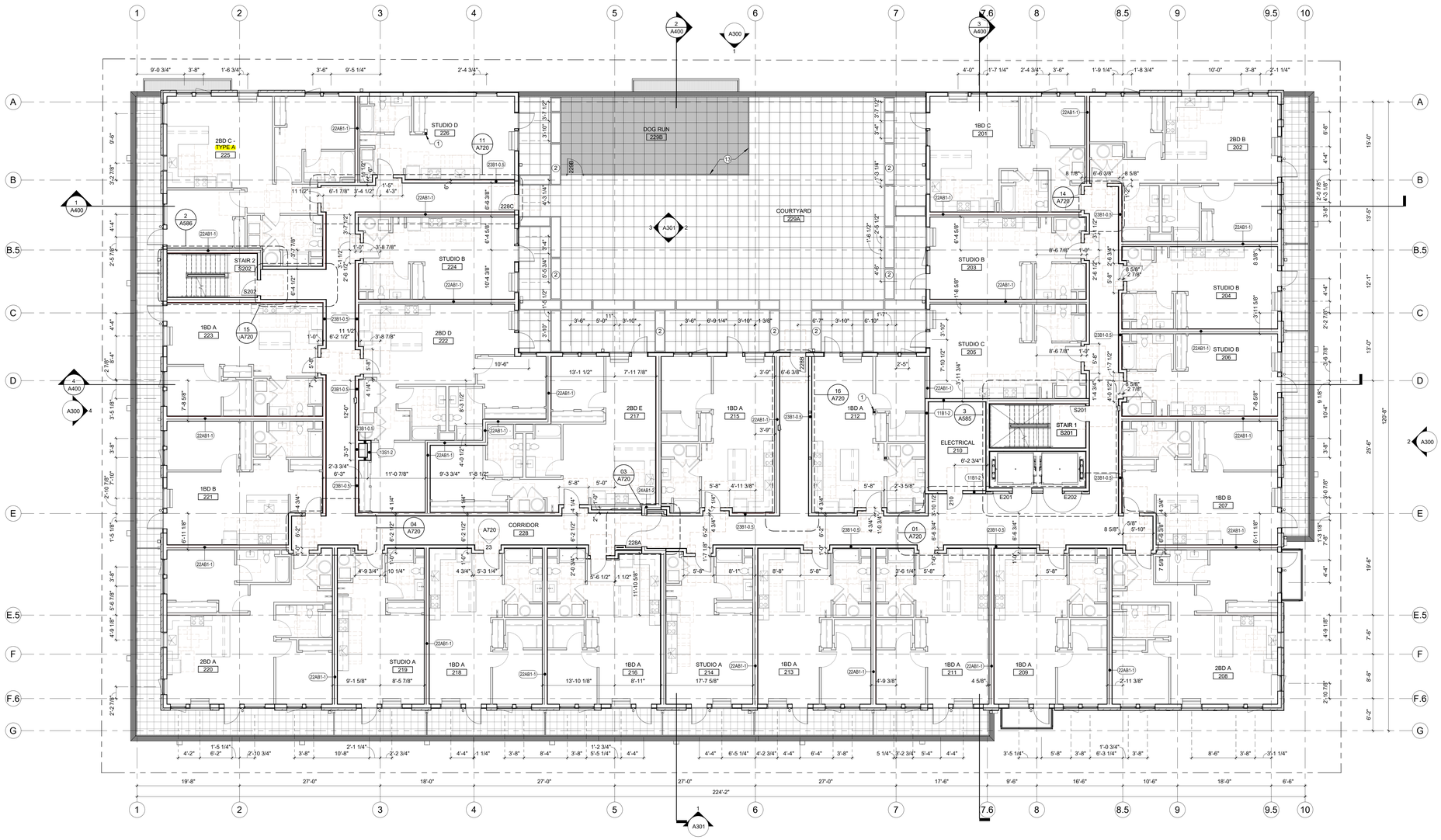

1 A202 FLOOR PLAN - LEVEL 2
1/8" = 1'-0"

0' 4' 8' 16' 32'

KEYNOTES - FLOOR PLAN

1 ALIGN.
2 PRE-FABRICATED PLANTER BOXES
4 KNOX BOX, 50" AFF. COORDINATE WITH CENTRAL PIERCE F&R.
6 DOWNSPOUT WITH OVERFLOW SCUPPER, SEE PLUMBING
7 3'-2" x 8'-0" WIRE MESH PANEL
8 3'-0" x 8'-0" WIRE MESH PANEL
9 JANITOR SINK, SEE PLUMBING
10 GARAGE FLOOR DRAIN, SEE CIVIL.
11 TIE-BACK ANCHOR. COORDINATE LOCATION PER MANUFACTURER REQUIREMENTS.
12 SPLASHBLOCK
13 RAILING

GENERAL NOTES - FLOOR PLAN

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3. PROVIDE BACKING FOR ALL WALL MOUNTED ACCESSORIES, FURNISHINGS AND EQUIPMENT. VERIFY WEIGHTS AND LOCATIONS.
4. REFER TO G110 FOR ACCESSIBILITY REQUIREMENTS.
5. PLAN DIMENSIONS ARE TO FACE OF STUD/CONCRETE/CMU, U.O.N. CLEAR DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH.
6. REFER TO SHEETS A190 AND A191 FOR VERTICAL ASSEMBLIES. REFER TO SHEET A192 FOR HORIZONTAL ASSEMBLIES.
7. ALL LARGE ROOFTOP EQUIPMENT TO RECEIVE CRICKETS WITH 1" PER FOOT SLOPE.
8. AT ALL GYPSUM WALLS AND CEILINGS LONGER THAN 30'-0", PROVIDE CONTROL JOINT AT MAX 30'-0" SPACING.

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
BUILDING PERMIT SET

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11707 REGISTERED ARCHITECT JOHN R. WRIGHT STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
FLOOR PLAN - LEVEL 2

SHEET NO.:
A202

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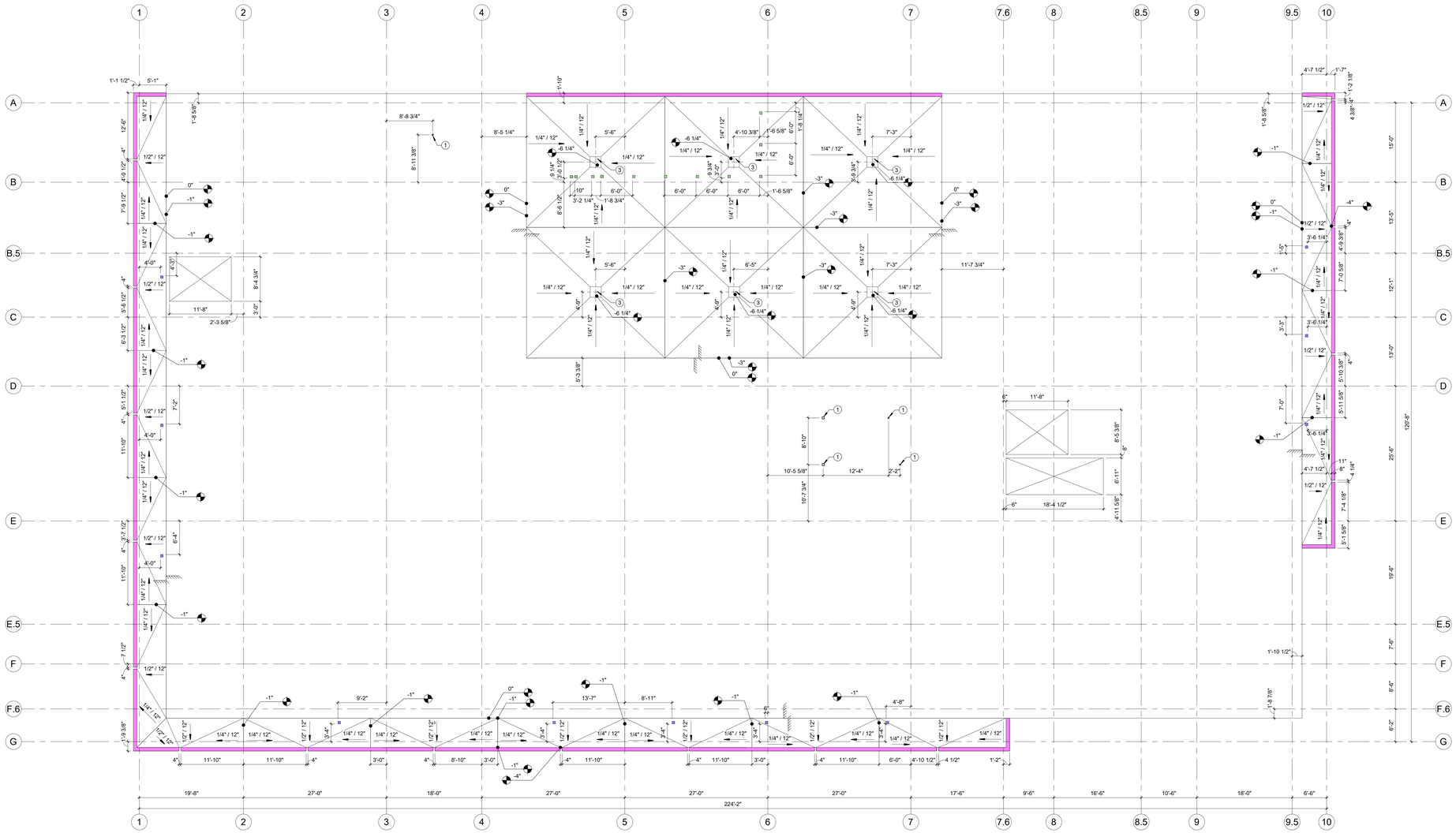

SLAB PLAN LEGEND

- PRIMARY BUILDING SLAB, REFER TO STRUCTURAL
- CONCRETE COLUMNS, REFER TO STRUCTURAL
- 12" WIDE CONCRETE SHEAR WALLS, FULL HEIGHT, REFER TO STRUCTURAL
- 8" WIDE CONCRETE SHEAR WALLS, FULL HEIGHT, REFER TO STRUCTURAL
- 8" WIDE, 9" TALL CONCRETE CURB, REFER TO STRUCTURAL
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- 6" WIDE, 6" LONG CONCRETE CURB, TOP OF CURB 2" ABOVE LEVEL, REFER TO STRUCTURAL
- 6" WIDE, 6" LONG CONCRETE CURB, TOP OF CURB 3" BELOW LEVEL, REFER TO STRUCTURAL
- HSS POST, REFER TO STRUCTURAL
- PROVIDE UNDER SLAB INSULATION BELOW PER HORIZONTAL ASSEMBLY

(#) KEYNOTES - SLAB PLAN

1 HSS COLUMN, SEE STRUCTURAL.
2 FLOOR AREA DRAIN, SEE CIVIL
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C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026 BUILDING PERMIT SET
REVISION: DESCRIPTION:

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11707 REGISTERED ARCHITECT JOHN R. WIGHT STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
SLAB PLAN - LEVEL 2

SHEET NO.:
A202AS

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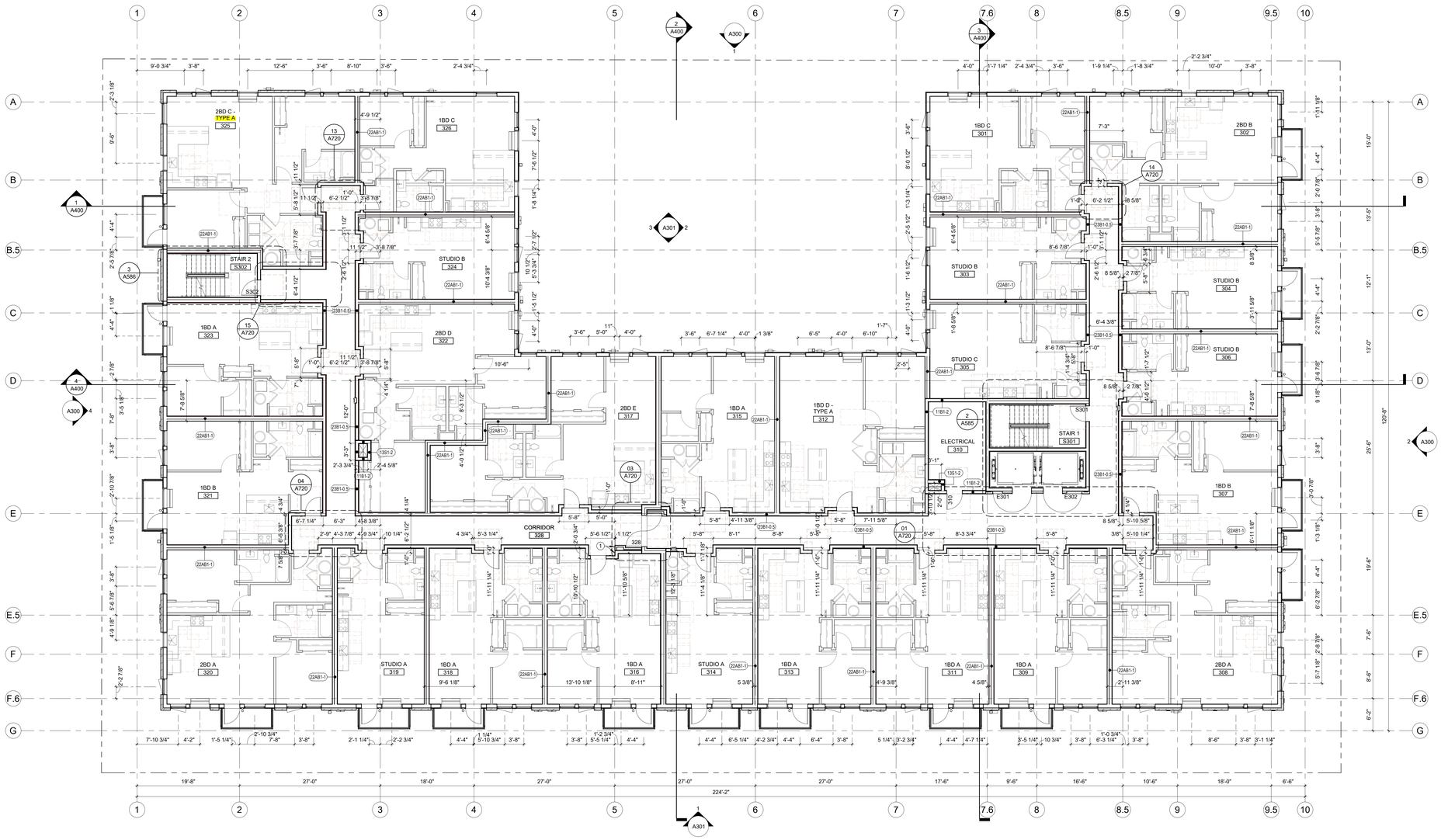
Type A units shall be in R-2 "shall be dispersed among the various classes of units, as described in Section 1108.6". The only units identified as Type A units are 2 bedroom units. Update plans as needed. (Construction Set, Sheets A202 & A203)



KEYNOTES - FLOOR PLAN

1 ALIGN.
2 PRE-FABRICATED PLANTER BOXES
4 KNOX BOX, 50" AFF. COORDINATE WITH CENTRAL PIERCE F&R.
6 DOWNSPOUT WITH OVERFLOW SCUPPER, SEE PLUMBING
7 3'-2" x 8'-0" WIRE MESH PANEL
8 3'-0" x 8'-0" WIRE MESH PANEL
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7. ALL LARGE ROOFTOP EQUIPMENT TO RECEIVE CRICKETS WITH 1" PER FOOT SLOPE.
8. AT ALL GYPSUM WALLS AND CEILINGS LONGER THAN 30'-0", PROVIDE CONTROL JOINT AT MAX 30'-0" SPACING.

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PUYALLUP BELL PLACE

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11707 REGISTERED ARCHITECT JOHN R. WONG STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
FLOOR PLAN - LEVELS 3-5

SHEET NO.:
A203

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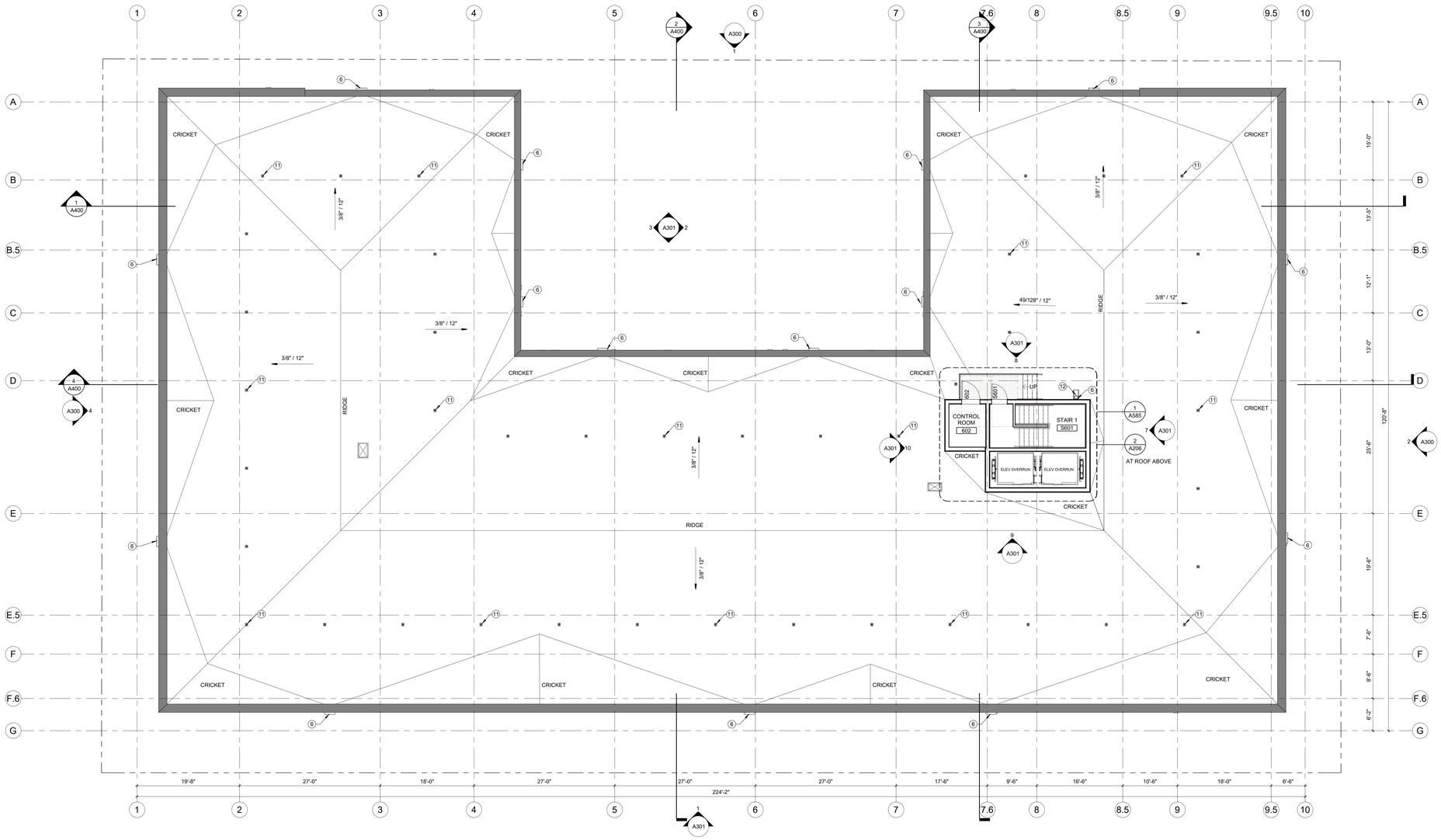
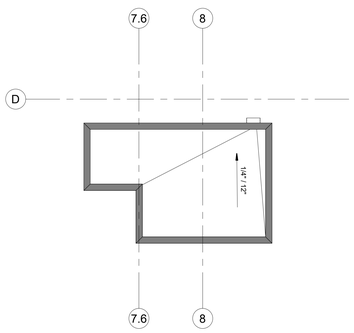


1 A206 FLOOR PLAN - ROOF
1/8" = 1'-0"

0' 4' 8' 16' 32'



2 A206 FLOOR PLAN - ROOF OVERRUN
1/8" = 1'-0"

KEYNOTES - FLOOR PLAN

1	ALIGN.
2	PRE-FABRICATED PLANTER BOXES
4	KNOX BOX, 50" AFF. COORDINATE WITH CENTRAL PIERCE F&R.
6	DOWNSPOUT WITH OVERFLOW SCUPPER, SEE PLUMBING
7	3'-2" x 8'-0" WIRE MESH PANEL
8	3'-5" x 8'-0" WIRE MESH PANEL
9	JANITOR SINK, SEE PLUMBING
10	GARAGE FLOOR DRAIN, SEE CIVIL.
11	TIE-BACK ANCHOR, COORDINATE LOCATION PER MANUFACTURER REQUIREMENTS.
12	SPLASHBLOCK
13	RAILING

GENERAL NOTES - FLOOR PLAN

1. CONTRACTOR TO SET AND VERIFY CONTROL POINTS FOR LAYOUT PER CONTRACT DOCUMENTS, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
2. DOORS NOT LOCATED BY DIMENSION SHALL BE CENTERED IN THE WALL OR SHALL BE LOCATED 4" FROM FINISH WALL TO HINGE SIDE OF DOOR BUCK AT GYPSUM PARTITIONS, OR 6" FROM FINISH WALL TO HINGE SIDE OF BACK OF DOOR FRAME AT PARTITIONS THAT HAVE CMU.
3. PROVIDE BACKING FOR ALL WALL MOUNTED ACCESSORIES, FURNISHINGS AND EQUIPMENT. VERIFY WEIGHTS AND LOCATIONS.
4. REFER TO G110 FOR ACCESSIBILITY REQUIREMENTS.
5. PLAN DIMENSIONS ARE TO FACE OF STUD/CONCRETE/CMU, U.O.N. CLEAR DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH.
6. REFER TO SHEETS A190 AND A191 FOR VERTICAL ASSEMBLIES. REFER TO SHEET A192 FOR HORIZONTAL ASSEMBLIES.
7. ALL LARGE ROOFTOP EQUIPMENT TO RECEIVE CRICKETS WITH 1" PER FOOT SLOPE.
8. AT ALL GYPSUM WALLS AND CEILINGS LONGER THAN 30'-0", PROVIDE CONTROL JOINT AT MAX 30'-0" SPACING.

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
BUILDING PERMIT SET
REVISION: DESCRIPTION:

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11707 REGISTERED ARCHITECT JOHN R. WIGHT STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
FLOOR PLAN - ROOF

SHEET NO.:
A206

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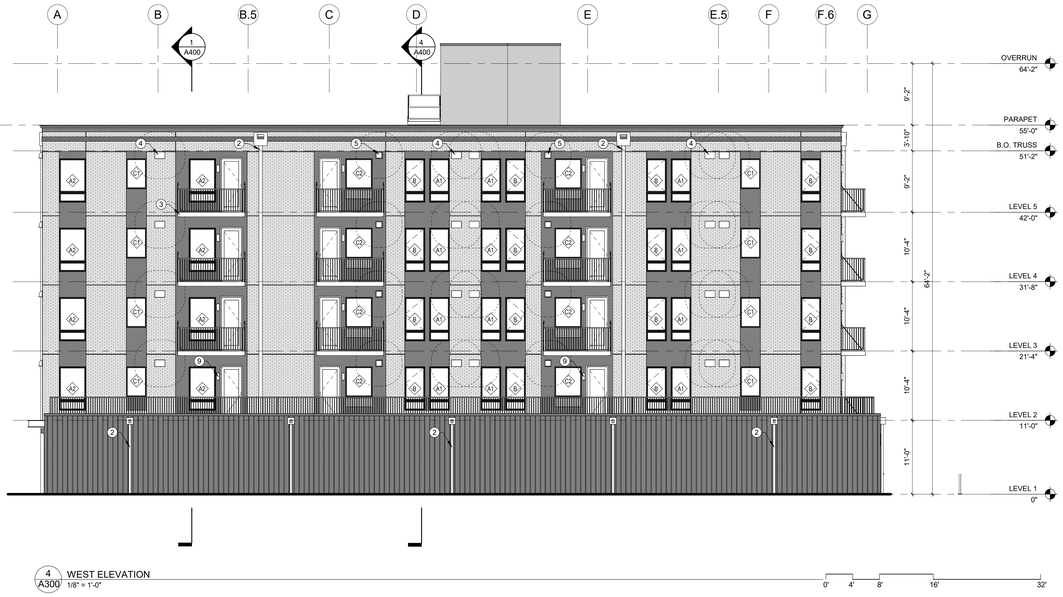
3/18/2026 3:53:09 PM

1 A300 NORTH ELEVATION
1/8" = 1'-0"

0' 4' 8' 16' 32'

2 A300 EAST ELEVATION
1/8" = 1'-0"

0' 4' 8' 16' 32'



4 A300 WEST ELEVATION
1/8" = 1'-0"

0' 4' 8' 16' 32'

GENERAL NOTES - ELEVATIONS

1. CONTRACTOR TO SET AND VERIFY CONTROL POINTS FOR LAYOUT PER CONTRACT DOCUMENTS, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
2. REFER TO SHEETS A190 AND A191 FOR VERTICAL ASSEMBLIES. REFER TO SHEET A192 FOR HORIZONTAL ASSEMBLIES.
3. SEE A960 FOR WINDOW SCHEDULE AND STOREFRONT SCHEDULE.

LEGEND - EXTERIOR MATERIALS

- PRIMARY BRICK
  PRODUCT: MUTUAL MATERIALS STANDARD BRICK
  COLOR: SEATTLE CREME
- ACCENT BRICK - STANDARD
  PRODUCT: MUTUAL MATERIALS STANDARD BRICK
  COLOR: EBONY
  NOTE: POP OUT 1/2" BEYOND F.O. PRIMARY BRICK
  NOTE: SEE BRICK COURSING FOR LOCATIONS
- ACCENT BRICK - SOLDIER
  PRODUCT: MUTUAL MATERIALS SOLDIER BRICK
  COLOR: EBONY
  NOTE: POP OUT 1/2" BEYOND F.O. PRIMARY BRICK
  NOTE: SEE BRICK COURSING FOR LOCATIONS
- PRIMARY FIBER CEMENT SIDING PANEL
  COLOR: SHERWIN WILLIAMS 7075 WEB GRAY
- ACCENT FIBER CEMENT SIDING PANEL
  COLOR: SHERWIN WILLIAMS 7069 IRON ORE
- RIB METAL PANEL
  COLOR: MATTE BLACK (106)
- WIRE MESH
  PRODUCT: 3" x 2" WELDED SQUARE WIRE MESH, MIN 80% OPEN AREA

KEYNOTES - EXTERIOR ELEVATIONS

1 PTAC LOUVER
2 DOWNSPOUT WITH SCUPPER BOX, BLACK
3 BALCONY (4'-0" x 10'-0" BOLT-ON BALCONY, TYP)
4 EXHAUST LOUVER
5 ERV LOUVER
6 CANOPY
7 BUILDING WALL SCONCE, MOUNT 5'-0" ABOVE LEVEL, CENTER IN BRICK ACCENT STRIP, REFER TO ELECTRICAL.
8 BUILDING ENTRANCE WALL SCONCE, MOUNT 6'-0" ABOVE LEVEL, CENTER IN BRICK ACCENT STRIP, REFER TO ELECTRICAL.
9 BALCONY/TERRACE WALL SCONCE, MOUNT 6'-0" ABOVE LEVEL, CENTER BETWEEN WINDOW AND DOOR, REFER TO ELECTRICAL.
10 2'-0" DEEP, 3'-6" WIDE BENT PLATE CANOPY.
11 MECHANICAL LOUVER, REFER TO MECHANICAL.

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

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PUYALLUP, WA 98371

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11707 REGISTERED ARCHITECT John R. Wright STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
EXTERIOR ELEVATIONS

SHEET NO.:
A300

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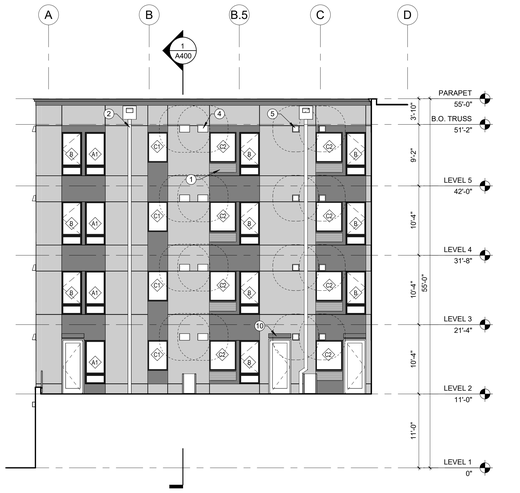
3/18/2026 3:53:17 PM

1 A301 SOUTH ELEVATION
1/8" = 1'-0"

0' 4' 8' 16' 32'

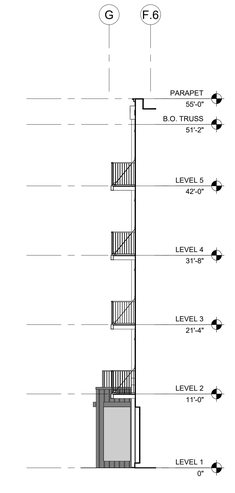


2 A301 COURTYARD WEST ELEVATION
1/8" = 1'-0"

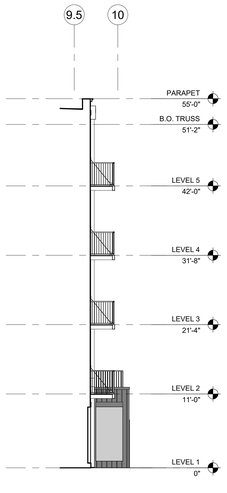
0' 4' 8' 16' 32'

3 A301 COURTYARD EAST ELEVATION
1/8" = 1'-0"

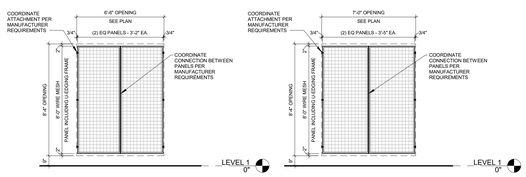
0' 4' 8' 16' 32'



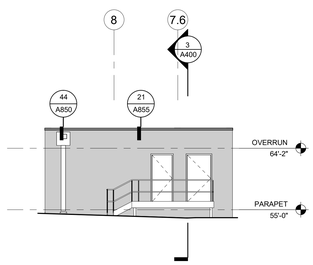
4 A301 SOUTH WALL PROJECTION
1/8" = 1'-0"



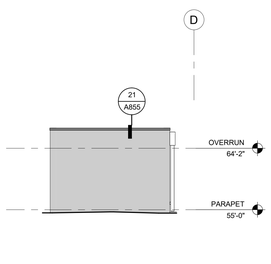
5 A301 EAST WALL PROJECTION
1/8" = 1'-0"



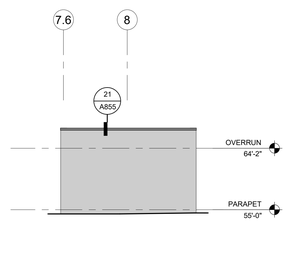
6 A301 WIRE MESH PANELS IN OPENINGS
1/4" = 1'-0"



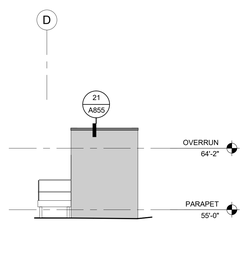
8 A301 ROOFTOP - NORTH ELEVATION
1/8" = 1'-0"



7 A301 ROOFTOP - EAST ELEVATION
1/8" = 1'-0"



9 A301 ROOFTOP - SOUTH ELEVATION
1/8" = 1'-0"



10 A301 ROOFTOP - WEST ELEVATION
1/8" = 1'-0"

GENERAL NOTES - ELEVATIONS

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3. SEE A960 FOR WINDOW SCHEDULE AND STOREFRONT SCHEDULE.

LEGEND - EXTERIOR MATERIALS

- PRIMARY BRICK
  PRODUCT: MUTUAL MATERIALS STANDARD BRICK
  COLOR: SEATTLE CREME
- ACCENT BRICK - STANDARD
  PRODUCT: MUTUAL MATERIALS STANDARD BRICK
  COLOR: EBONY
  NOTE: POP OUT 1/2" BEYOND F.O. PRIMARY BRICK
  NOTE: SEE BRICK COURSING FOR LOCATIONS
- ACCENT BRICK - SOLDIER
  PRODUCT: MUTUAL MATERIALS SOLDIER BRICK
  COLOR: EBONY
  NOTE: POP OUT 1/2" BEYOND F.O. PRIMARY BRICK
  NOTE: SEE BRICK COURSING FOR LOCATIONS
- PRIMARY FIBER CEMENT SIDING PANEL
  COLOR: SHERWIN WILLIAMS 7075 WEB GRAY
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  COLOR: SHERWIN WILLIAMS 7069 IRON ORE
- RIB METAL PANEL
  COLOR: MATTE BLACK (106)
- WIRE MESH
  PRODUCT: 3" x 2" WELDED SQUARE WIRE MESH, MIN 80% OPEN AREA

KEYNOTES - EXTERIOR ELEVATIONS

1 PTAC LOUVER
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9 BALCONY/TERRACE WALL SCONCE, MOUNT 6'-0" ABOVE LEVEL, CENTER BETWEEN WINDOW AND DOOR, REFER TO ELECTRICAL.
10 2'-0" DEEP, 3'-6" WIDE BENT PLATE CANOPY.
11 MECHANICAL LOUVER, REFER TO MECHANICAL.

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

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11707 REGISTERED ARCHITECT John R. Wright STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
EXTERIOR ELEVATIONS

SHEET NO.:
A301

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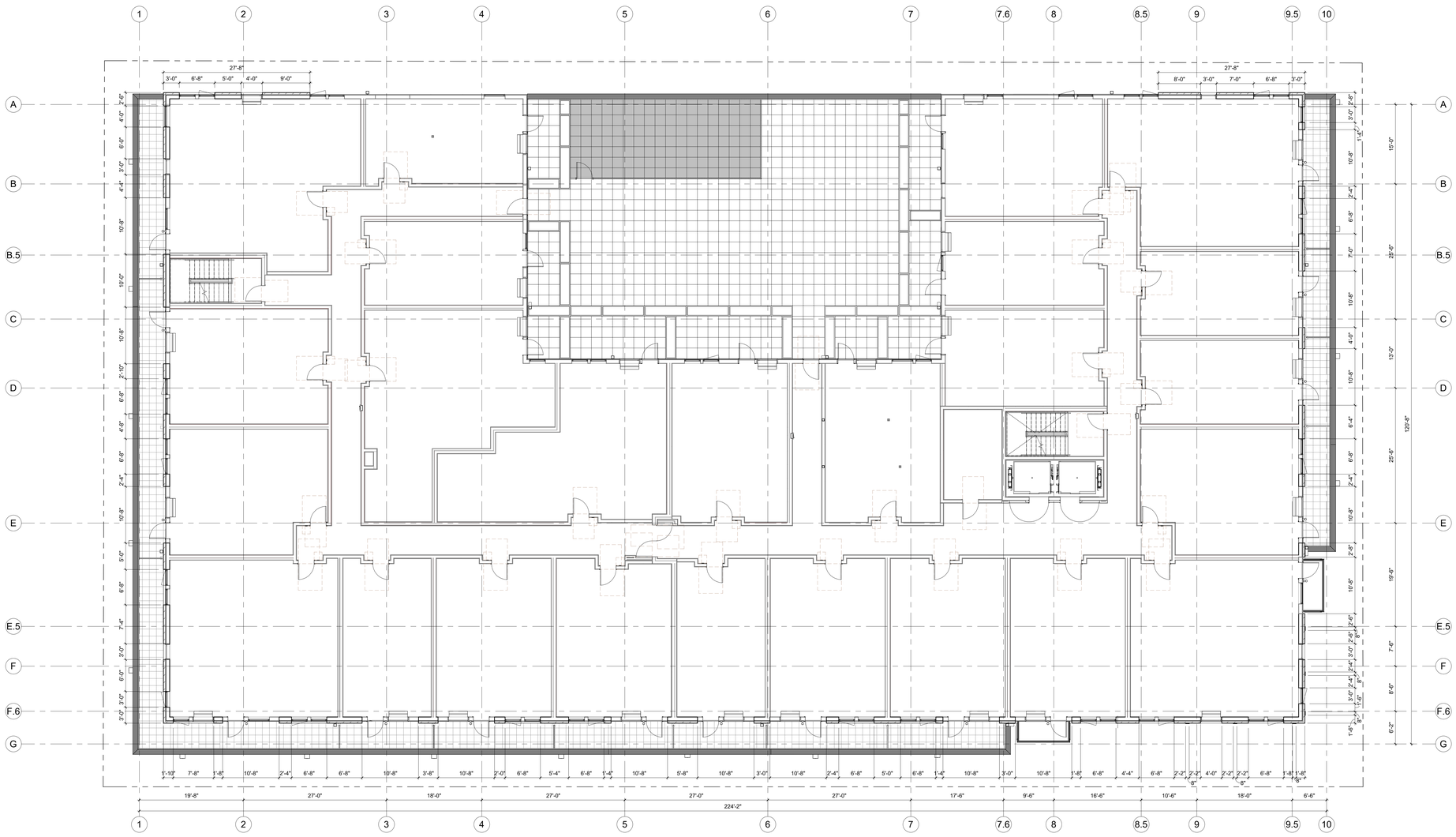
3/18/2026 3:55:24 PM

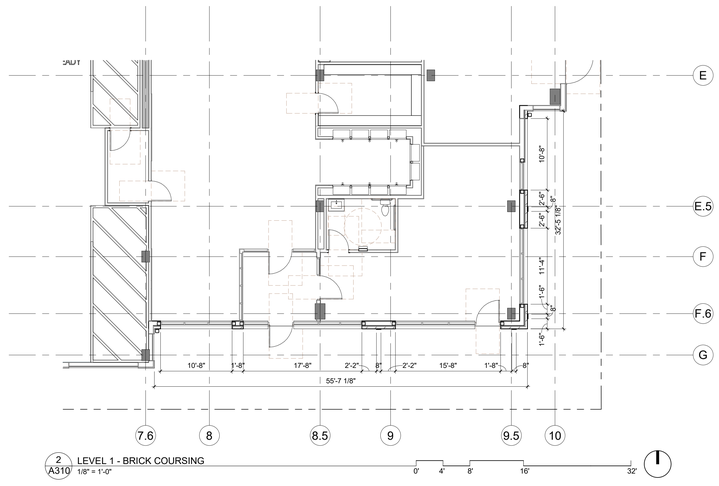
KEYNOTES - BRICK COURSING

1 START OF BRICK COURSING
2 BOTTOM OF VERTICAL BAND OF ACCENT BRICK
3 TOP OF VERTICAL BAND OF ACCENT BRICK, PROTRUDE 1/2" BEYOND F.O. PRIMARY BRICK
4 STANDARD BRICK SIZE, ACCENT COLOR. PROTRUDE 1/2" BEYOND F.O. PRIMARY BRICK
5 SOLDIER COURSE BRICK, ACCENT COLOR. PROTRUDE 1/2" BEYOND F.O. PRIMARY BRICK



1 A310 LEVEL 2 - BRICK COURSING
1/8" = 1'-0"

0' 4' 8' 16' 32'



2 A310 LEVEL 1 - BRICK COURSING
1/8" = 1'-0"

0' 4' 8' 16' 32'

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

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204 4TH ST SW
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11707 REGISTERED ARCHITECT John R. Wright STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
BRICK COURSING PLAN

SHEET NO.:
A310

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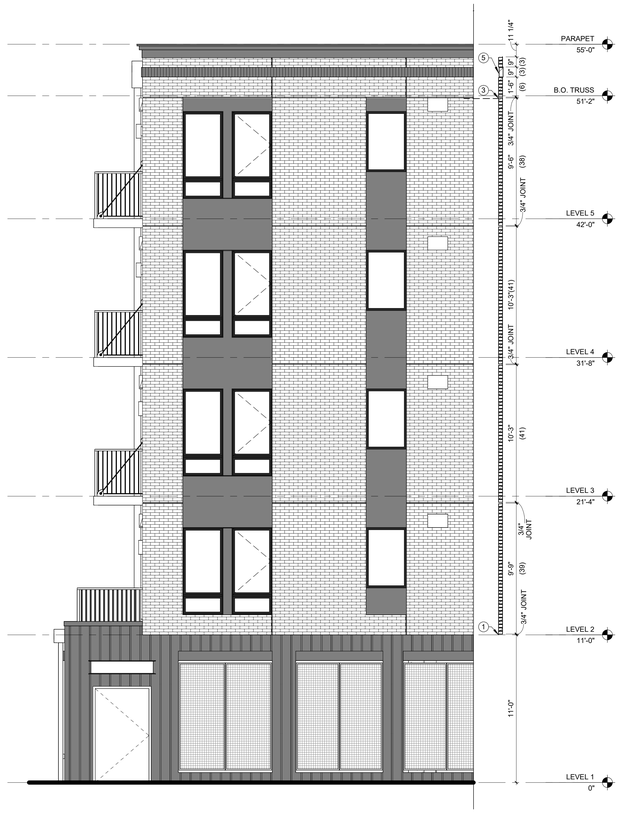
3/18/2026 3:53:29 PM

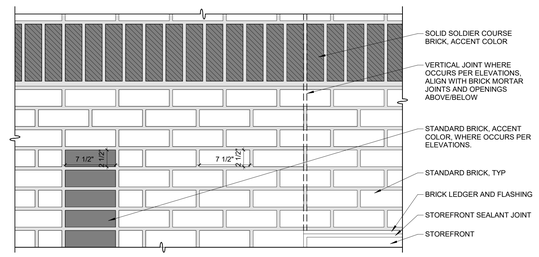
1 A311 BRICK COURSING @ SOUTH EAST CORNER - FULL HEIGHT BRICK
1/4" = 1'-0"

0' 4' 8' 16' 32'

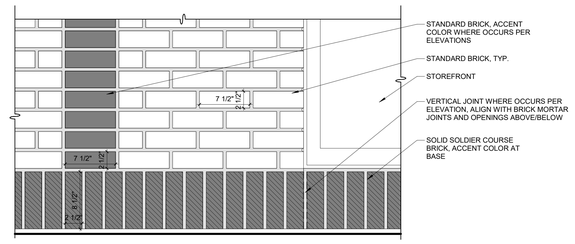


2 A311 TYPICAL BRICK COURSING
1/4" = 1'-0"

0' 4' 8' 16' 32'



3 A311 BRICK COURSING @ L1 STOREFRONT HEAD
1 1/2" = 1'-0"



4 A311 BRICK COURSING @ L1 STOREFRONT SILL
1 1/2" = 1'-0"

KEYNOTES - BRICK COURSING

1 START OF BRICK COURSING
2 BOTTOM OF VERTICAL BAND OF ACCENT BRICK
3 TOP OF VERTICAL BAND OF ACCENT BRICK, PROTRUDE 1/2" BEYOND F.O. PRIMARY BRICK
4 STANDARD BRICK SIZE, ACCENT COLOR. PROTRUDE 1/2" BEYOND F.O. PRIMARY BRICK
5 SOLDIER COURSE BRICK, ACCENT COLOR. PROTRUDE 1/2" BEYOND F.O. PRIMARY BRICK

LEGEND - BRICK TYPES

PRIMARY BRICK
REFER TO EXTERIOR ELEVATIONS FOR COLOR AND PRODUCT

ACCENT COLOR BRICK - STANDARD
NOTE: POP OUT 1/2" BEYOND F.O. PRIMARY BRICK

ACCENT COLOR BRICK - SOLDIER
NOTE: POP OUT 1/2" BEYOND F.O. PRIMARY BRICK

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PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

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PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION: DESCRIPTION:

11707 REGISTERED ARCHITECT JOHN R. WORK STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
BRICK COURSING ELEVATION & DETAILS

SHEET NO.:
A311

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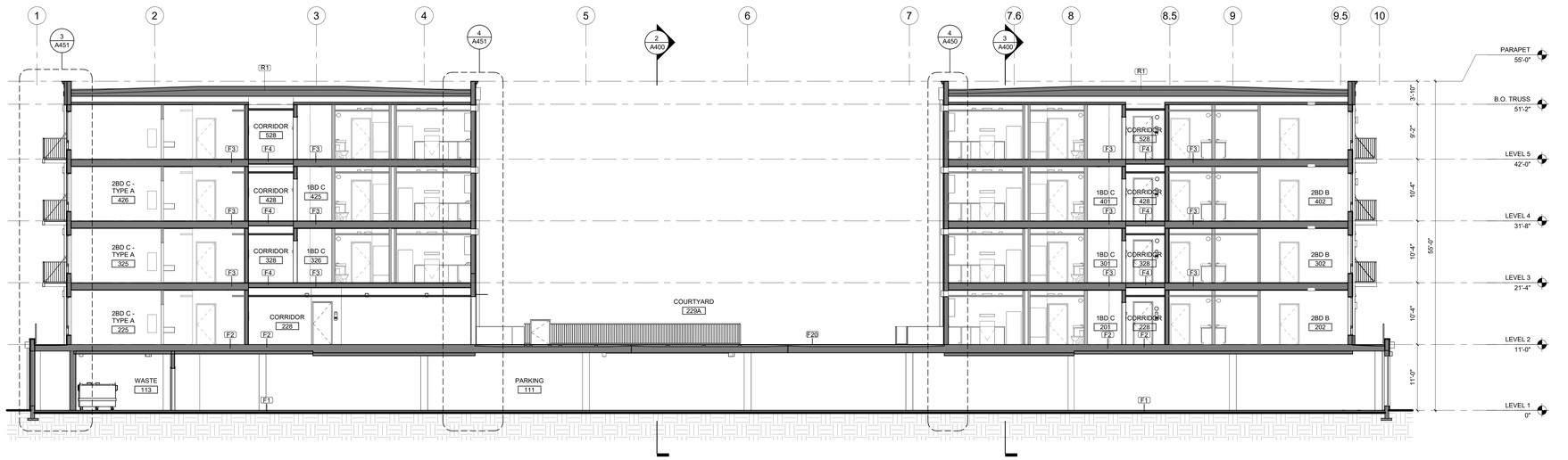
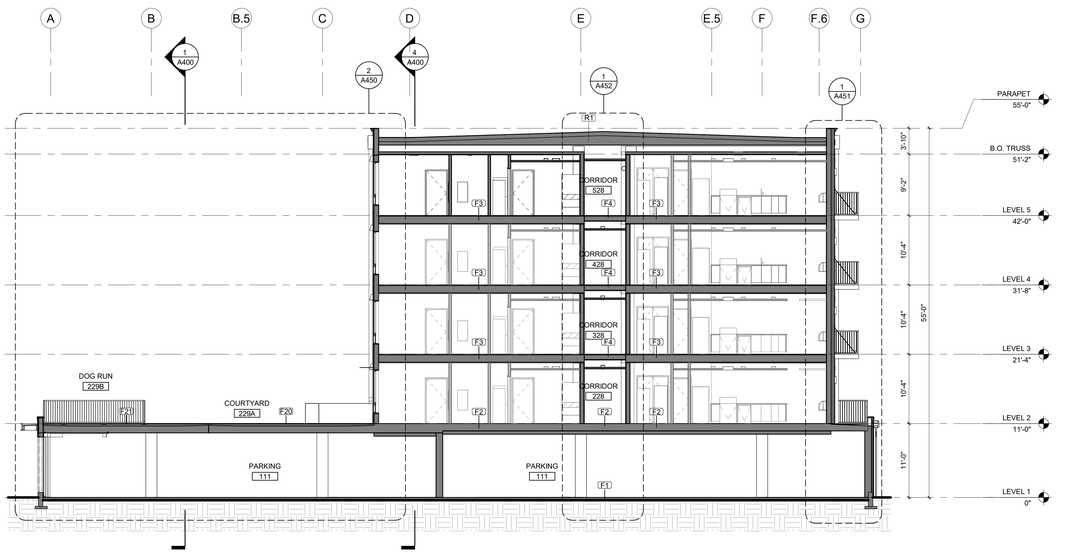


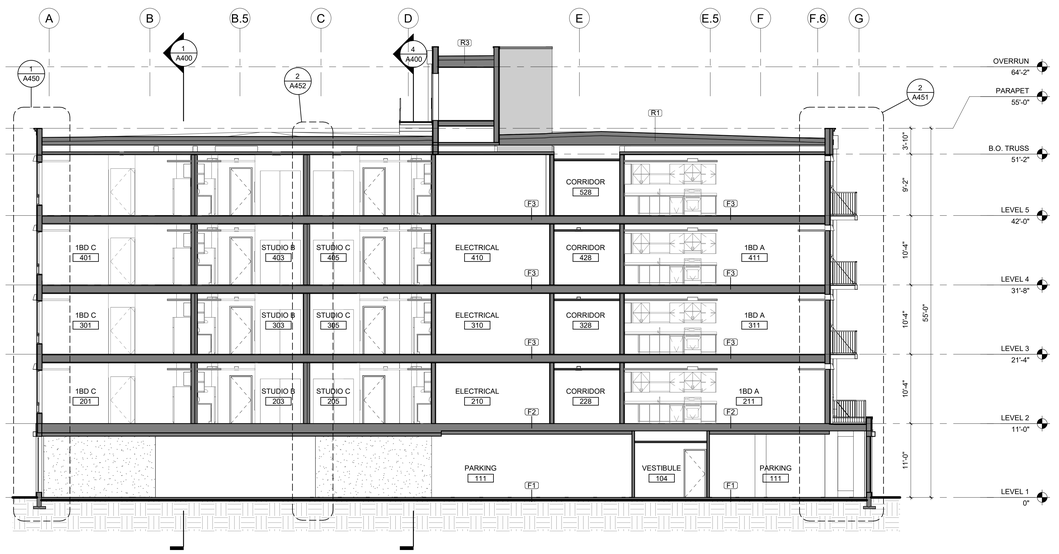
1 A400 SECTION 1
1/8" = 1'-0"

0' 4' 8' 16' 32'



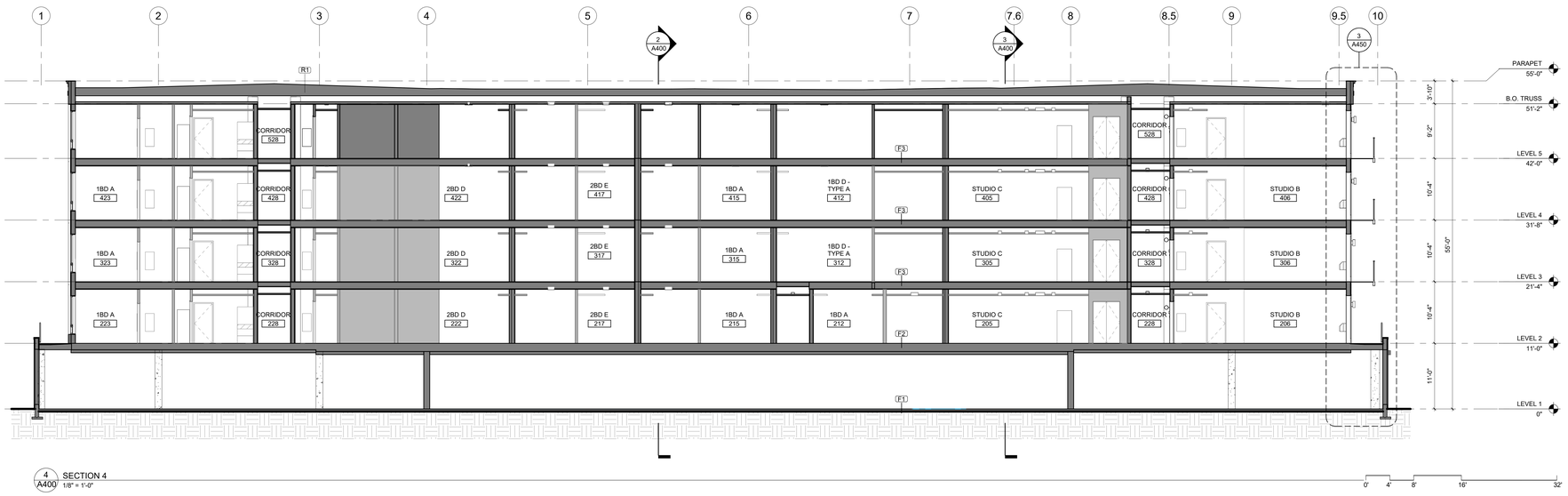
2 A400 SECTION 2
1/8" = 1'-0"

0' 4' 8' 16' 32'



3 A400 SECTION 3
1/8" = 1'-0"

0' 4' 8' 16' 32'



4 A400 SECTION 4
1/8" = 1'-0"

0' 4' 8' 16' 32'

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C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

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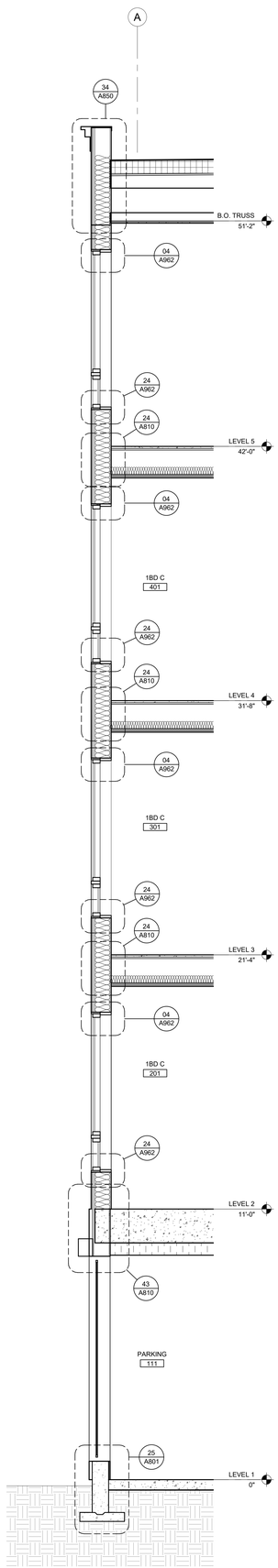
BUILDING PERMIT SET

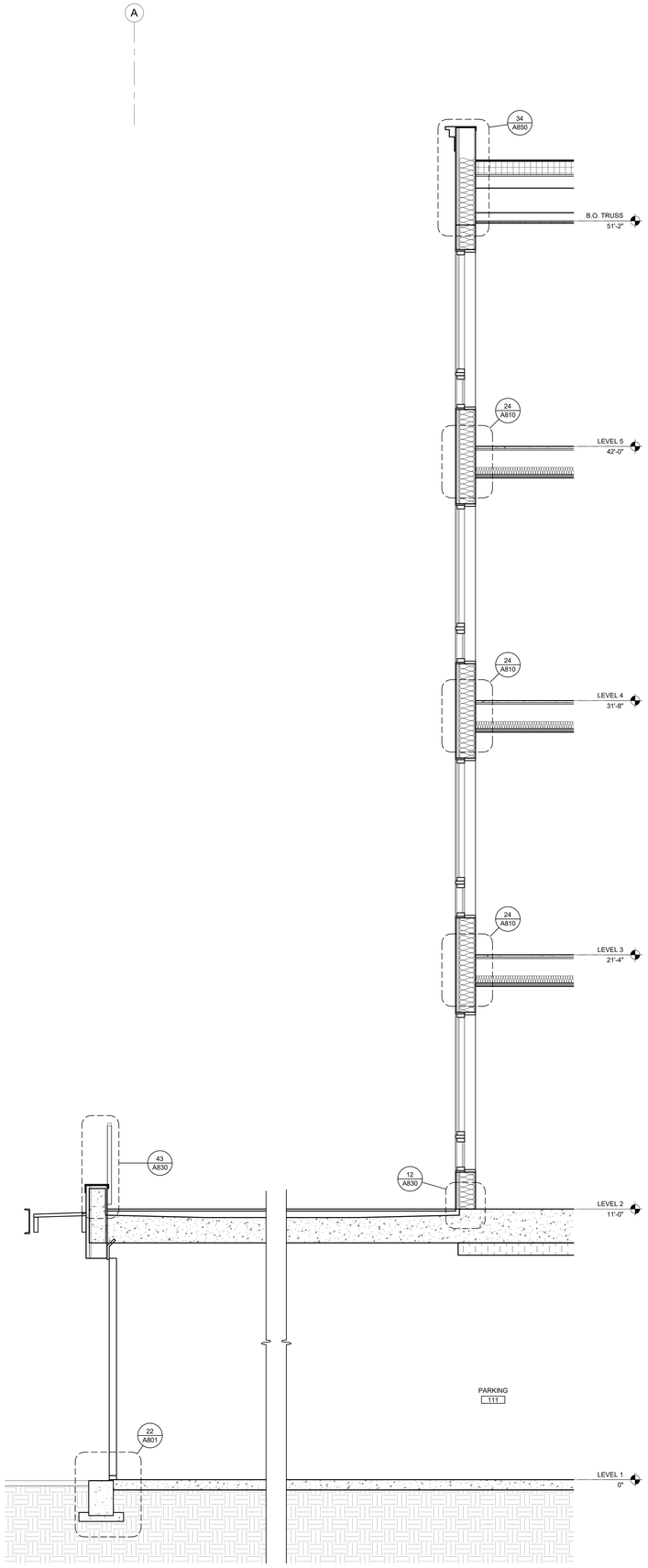
11707 REGISTERED ARCHITECT
JOHN R. WOLK
STATE OF WASHINGTON

SHEET TITLE:
BUILDING SECTIONS

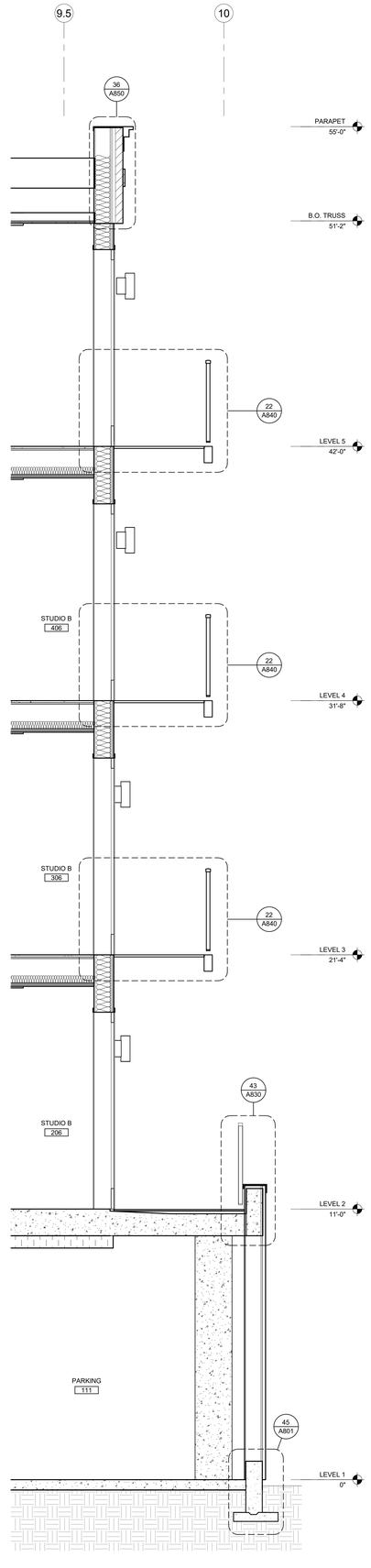
SHEET NO.:
A400



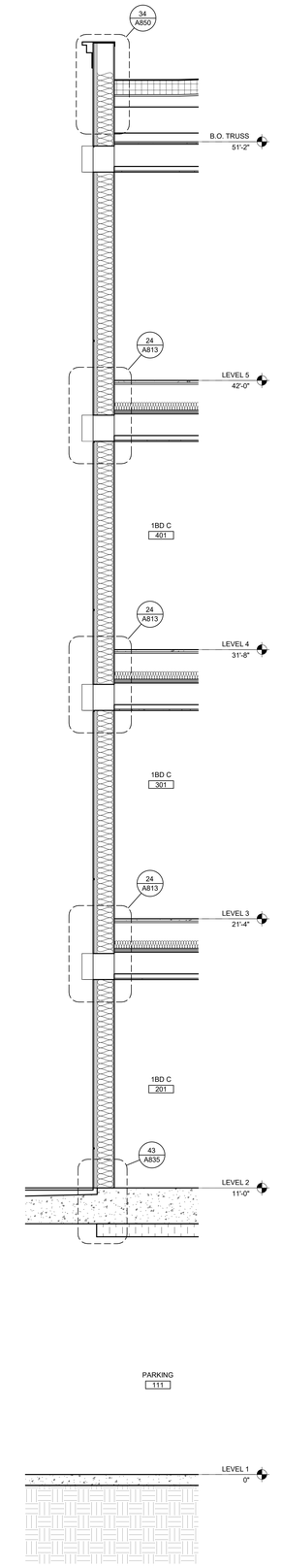
1 NORTH WALL SECTION 1
A450 1/2" = 1'-0"



2 COURTYARD SOUTH WALL SECTION 1
A450 1/2" = 1'-0"



3 EAST WALL SECTION 1
A450 1/2" = 1'-0"



4 COURTYARD EAST WALL SECTION 1
A450 1/2" = 1'-0"

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION: DESCRIPTION:

REPRODUCTION OF THIS DRAWING IS EXPRESSLY FORBIDDEN WITHOUT THE SPECIFIC WRITTEN PERMISSION OF C2K ARCHITECTURE INC.. THIS DRAWING IS ONLY CONDITIONALLY ISSUED, AND NEITHER RECEIPT OR POSSESSION THEREOF CONFERS OR TRANSFERS ANY RIGHT TO, OR LICENSE TO, USE THE SUBJECT MATTER OF THIS DRAWING OR ANY TECHNICAL INFORMATION SHOWN THEREON, NOR ANY RIGHT TO REPRODUCE THIS DRAWING OR PART THEREOF, WITHOUT THE WRITTEN AUTHORIZATION OF C2K ARCHITECTURE INC..

11707 REGISTERED ARCHITECT John R. Wright STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
WALL SECTIONS

SHEET NO.:
A450

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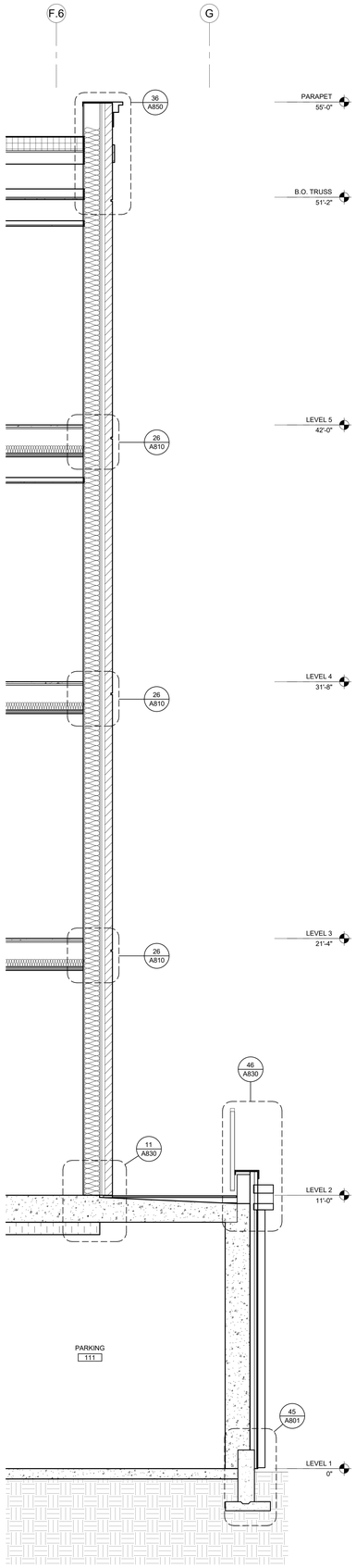
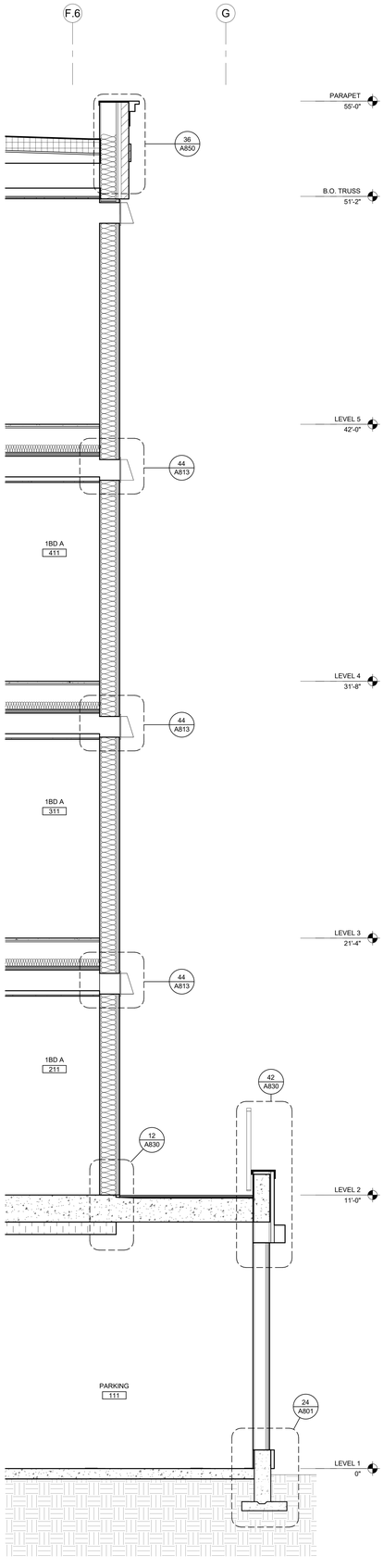
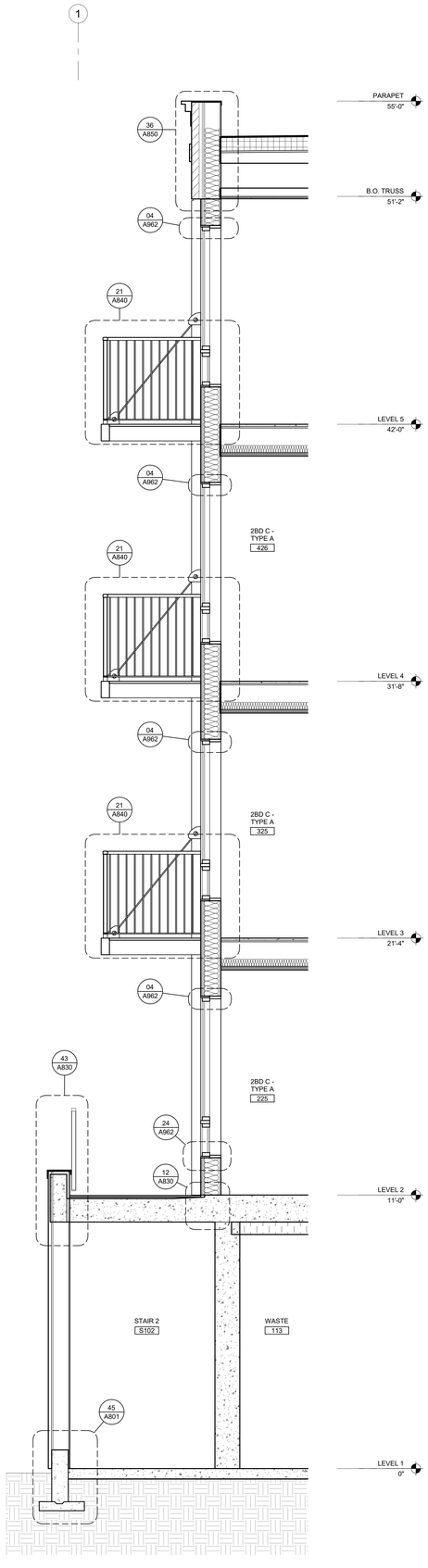


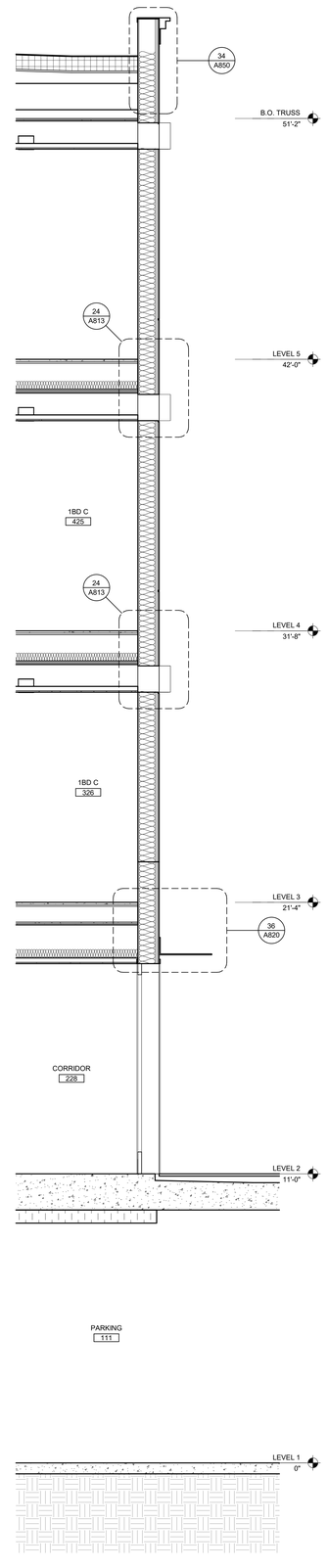
1 / A451 SOUTH WALL SECTION 1
1/2" = 1'-0"



2 / A451 SOUTH WALL SECTION 2
1/2" = 1'-0"



3 / A451 WEST WALL SECTION 1
1/2" = 1'-0"



4 / A451 COURTYARD WEST WALL SECTION 1
1/2" = 1'-0"

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

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PROJECT NO.: 25129
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11707
REGISTERED ARCHITECT
JOHN R. WROE
STATE OF WASHINGTON

SHEET TITLE:
WALL SECTIONS

SHEET NO.:
A451

BUILDING PERMIT SET

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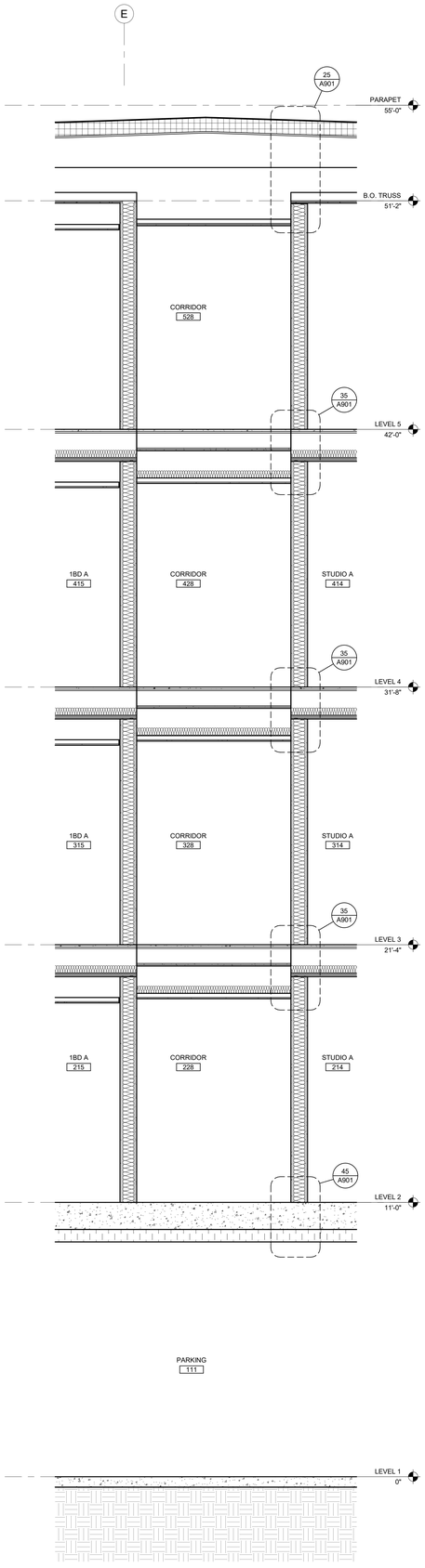
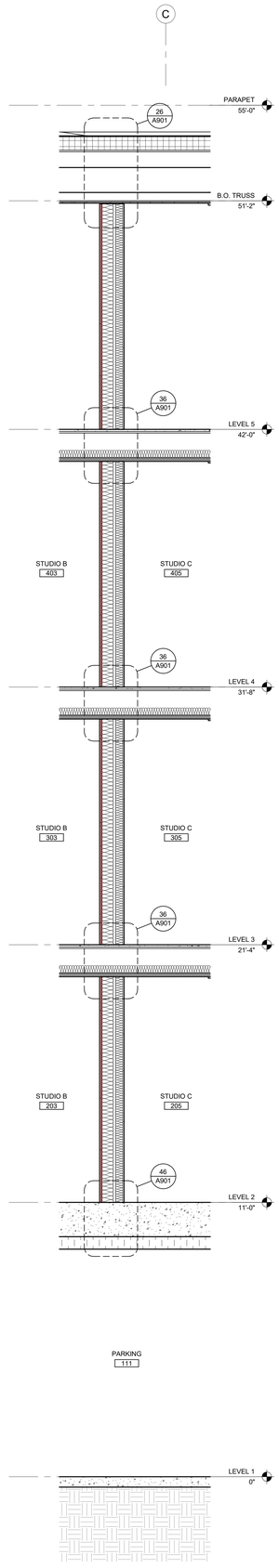


1 A452 INTERIOR WALL SECTION 1
1/2" = 1'-0"



2 A452 INTERIOR WALL SECTION
1/2" = 1'-0"

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

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11707 REGISTERED ARCHITECT
JOHN R. WUOM
STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
WALL SECTIONS

SHEET NO.:
A452

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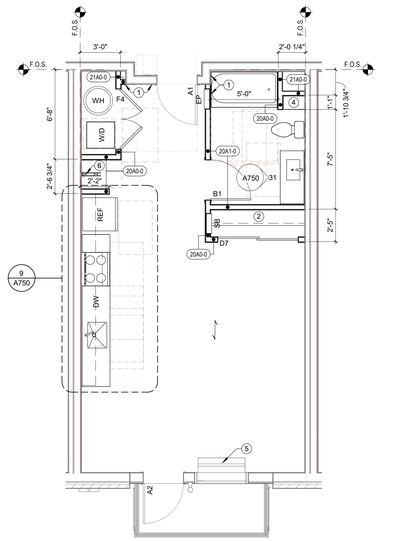
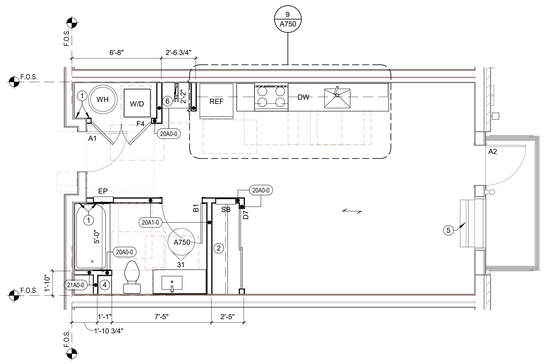
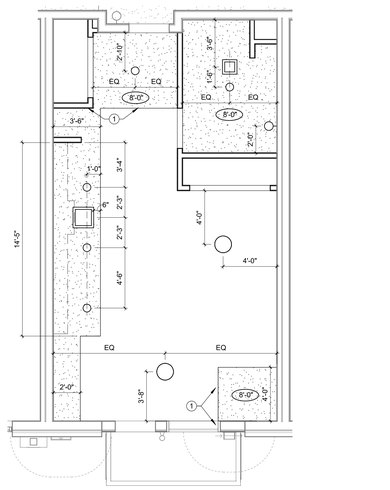


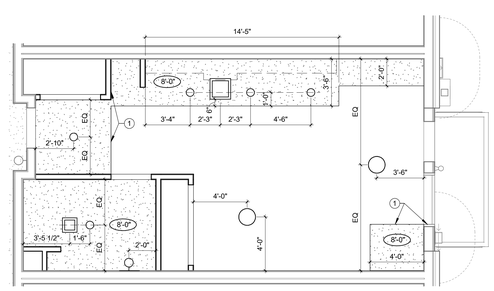
5 A520 STUDIO A - PLAN 1/4" = 1'-0" 0' 2' 4' 8' 16'



3 A520 STUDIO B - PLAN 1/4" = 1'-0" 0' 2' 4' 8' 16'



6 A520 STUDIO A - RCP 1/4" = 1'-0" 0' 2' 4' 8' 16'



4 A520 STUDIO B - RCP 1/4" = 1'-0" 0' 2' 4' 8' 16'

GENERAL NOTES - UNIT PLAN & RCP

1. UNIT PLANS PROVIDE THE FOLLOWING INFORMATION:
   - DIMENSIONS
   - INTERIOR WALL TYPE TAGS - SHEET A190
   - REFERENCES TO KITCHEN & BATHROOM ELEVATIONS
   - ROOM NAMES
   - KEYNOTES
2. SEE BUILDING PLANS FOR WINDOW LOCATIONS AND ADDITIONAL WALL TAGS AND ELEVATIONS FOR WINDOW TYPES.
3. PLAN DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD. CLEAR DIMENSIONS ARE TO FACE OF WALL FINISH.
4. DOORS NOT LOCATED BY DIMENSION SHALL BE CENTERED IN THE WALL OR SHALL BE LOCATED 4" FROM FINISH WALL TO HINGE SIDE OF DOOR BUCK AT GYPSUM PARTITIONS.
5. REFER TO G110 FOR ACCESSIBILITY REQUIREMENTS.
6. RCP DIMENSIONS FOR LIGHTING AND SOFFITS ARE TAKEN FROM THE FACE OF FINISHED SURFACES. LIGHT FIXTURE DIMENSIONS ARE TO CENTERLINE OF FIXTURE. WHERE DIMENSIONS ARE NOT PROVIDED, FIXTURE IS CENTERED WITHIN ROOM/SPACE.
7. FOR UNIT FINISH INFORMATION, REFER TO SHEET A700.
8. PROVIDE BACKING FOR ALL WALL MOUNTED ACCESSORIES, AND EQUIPMENT. VERIFY WEIGHTS AND LOCATIONS.
9. FOR FLOOR TRANSITION DETAILS BETWEEN MATERIALS, REFER TO SERIES A900.
10. FOR ENLARGED BATHROOM ELEVATIONS, REFER TO SERIES A750.
11. FOR KITCHEN ELEVATIONS, REFER TO SERIES A750.
12. FLOORING DIRECTION AS INDICATED ON PLAN.
13. REFER TO A900 SERIES FOR TYPICAL INTERIOR DETAILS.
14. REFER TO OVERALL FLOOR PLANS FOR BALCONY AND PATIO CONFIGURATIONS AS THEY MAY VARY WITHIN UNIT TYPES. REFER TO OVERALL FLOOR PLANS FOR DOOR AND WINDOW TYPES LOCATIONS.

KEYNOTES - UNIT PLAN & RCP

1 ALIGN
2 14" DEEP SHELF AND CLOTHES HANGING ROD
3 16" DEEP SHELVING
4 12" DEEP SHELVING
5 PTHP
6 WALL MOUNTED BIKE HOOK
7 WRAP STRUCTURAL COLUMN IN 5/8" TYPE X GYPSUM BOARD, FULL HEIGHT.

LEGEND - UNIT PLANS

EP — ELECTRICAL PANEL, SEE ELECTRICAL
SB — SMART BOX, SEE ELECTRICAL
FLOOR GRAIN DIRECTION

LEGEND - REFLECTED CEILING PLAN - UNITS

PENDANT LIGHT, SEE ELECTRICAL
SURFACE MOUNTED LIGHT, SEE ELECTRICAL
WALL MOUNTED LIGHT, SEE ELECTRICAL
LED DISC LIGHT, SEE ELECTRICAL
BATHROOM EXHAUST VENTILATION FAN, SEE MECHANICAL
KITCHEN EXHAUST VENTILATION FAN, SEE MECHANICAL
DROPPED GYPSUM BOARD CEILING, REFER TO HORIZONTAL ASSEMBLIES
EXPOSED FLOOR ASSEMBLY

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

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PROJECT NO.: 25129
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11707 REGISTERED ARCHITECT JOHN R. WROM STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
ENLARGED UNIT PLAN & RCP - STUDIO

SHEET NO.:
A520

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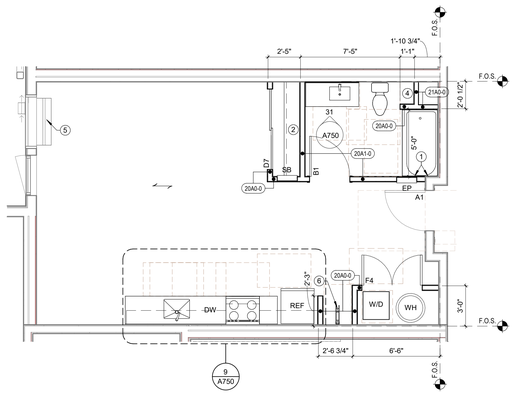
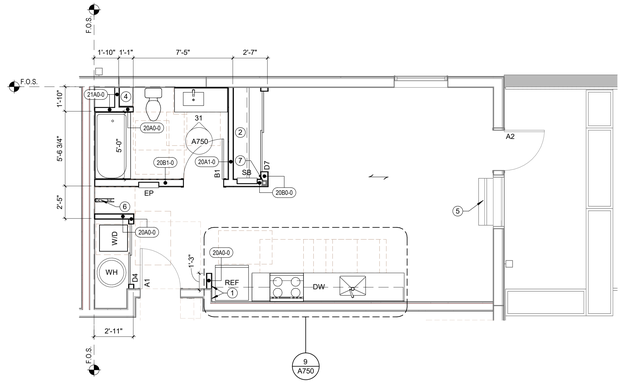
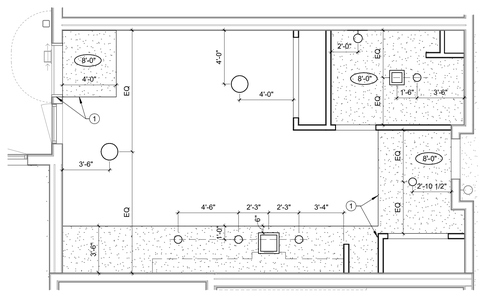


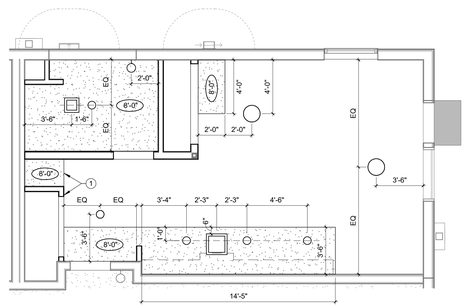
1 A521 STUDIO C - PLAN
1/4" = 1'-0"
0' 2' 4' 8' 16'



3 A521 STUDIO D - PLAN - 1/4"
1/4" = 1'-0"
0' 2' 4' 8' 16'



2 A521 STUDIO C - RCP
1/4" = 1'-0"
0' 2' 4' 8' 16'



4 A521 STUDIO D - RCP - 1/4"
1/4" = 1'-0"
0' 2' 4' 8' 16'

GENERAL NOTES - UNIT PLAN & RCP

1. UNIT PLANS PROVIDE THE FOLLOWING INFORMATION:
   - DIMENSIONS
   - INTERIOR WALL TYPE TAGS - SHEET A190
   - REFERENCES TO KITCHEN & BATHROOM ELEVATIONS
   - ROOM NAMES
   - KEYNOTES
2. SEE BUILDING PLANS FOR WINDOW LOCATIONS AND ADDITIONAL WALL TAGS AND ELEVATIONS FOR WINDOW TYPES.
3. PLAN DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD. CLEAR DIMENSIONS ARE TO FACE OF WALL FINISH.
4. DOORS NOT LOCATED BY DIMENSION SHALL BE CENTERED IN THE WALL OR SHALL BE LOCATED 4" FROM FINISH WALL TO HINGE SIDE OF DOOR BUCK AT GYPSUM PARTITIONS.
5. REFER TO G110 FOR ACCESSIBILITY REQUIREMENTS.
6. RCP DIMENSIONS FOR LIGHTING AND SOFFITS ARE TAKEN FROM THE FACE OF FINISHED SURFACES. LIGHT FIXTURE DIMENSIONS ARE TO CENTERLINE OF FIXTURE. WHERE DIMENSIONS ARE NOT PROVIDED, FIXTURE IS CENTERED WITHIN ROOM/SPACE.
7. FOR UNIT FINISH INFORMATION, REFER TO SHEET A700.
8. PROVIDE BACKING FOR ALL WALL MOUNTED ACCESSORIES, AND EQUIPMENT. VERIFY WEIGHTS AND LOCATIONS.
9. FOR FLOOR TRANSITION DETAILS BETWEEN MATERIALS, REFER TO SERIES A900.
10. FOR ENLARGED BATHROOM ELEVATIONS, REFER TO SERIES A750.
11. FOR KITCHEN ELEVATIONS, REFER TO SERIES A750.
12. FLOORING DIRECTION AS INDICATED ON PLAN.
13. REFER TO A900 SERIES FOR TYPICAL INTERIOR DETAILS.
14. REFER TO OVERALL FLOOR PLANS FOR BALCONY AND PATIO CONFIGURATIONS AS THEY MAY VARY WITHIN UNIT TYPES. REFER TO OVERALL FLOOR PLANS FOR DOOR AND WINDOW TYPES LOCATIONS.

KEYNOTES - UNIT PLAN & RCP

1 ALIGN
2 14" DEEP SHELF AND CLOTHES HANGING ROD
3 16" DEEP SHELVING
4 12" DEEP SHELVING
5 PTHP
6 WALL MOUNTED BIKE HOOK
7 WRAP STRUCTURAL COLUMN IN 5/8" TYPE X GYPSUM BOARD, FULL HEIGHT.

LEGEND - UNIT PLANS

EP ELECTRICAL PANEL, SEE ELECTRICAL
SB SMART BOX, SEE ELECTRICAL
FLOOR GRAIN DIRECTION

LEGEND - REFLECTED CEILING PLAN - UNITS

PENDANT LIGHT, SEE ELECTRICAL
SURFACE MOUNTED LIGHT, SEE ELECTRICAL
WALL MOUNTED LIGHT, SEE ELECTRICAL
LED DISC LIGHT, SEE ELECTRICAL
BATHROOM EXHAUST VENTILATION FAN, SEE MECHANICAL
KITCHEN EXHAUST VENTILATION FAN, SEE MECHANICAL
DROPPED GYPSUM BOARD CEILING, REFER TO HORIZONTAL ASSEMBLIES
EXPOSED FLOOR ASSEMBLY

C2K
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11707 REGISTERED ARCHITECT JOHN R. WIGHT STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
ENLARGED UNIT PLAN & RCP - STUDIO

SHEET NO.:
A521

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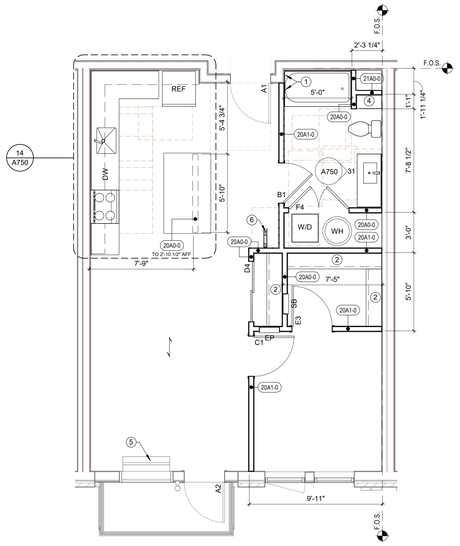
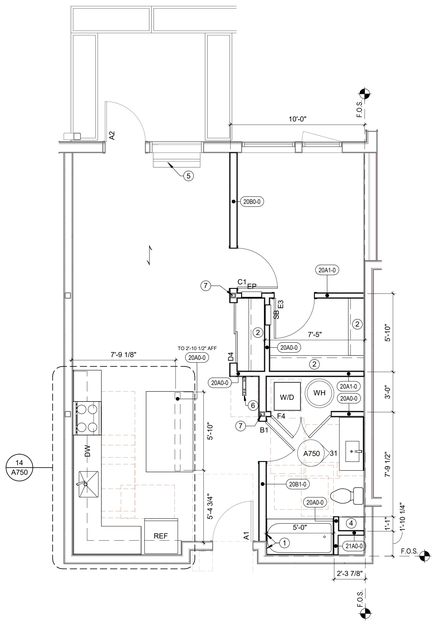
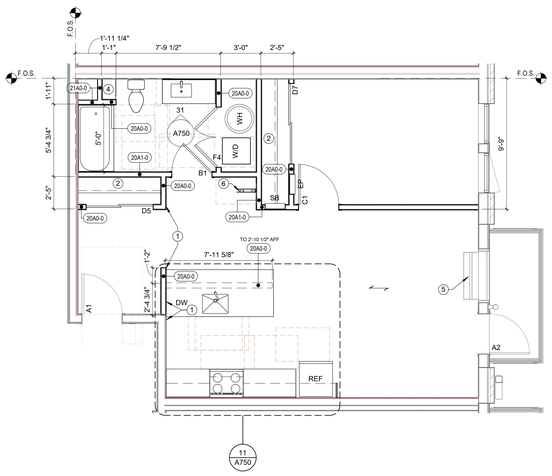


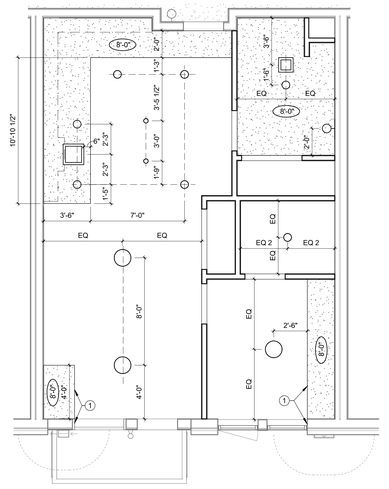
1 A522 1 BEDROOM A - PLAN
1/4" = 1'-0"
0' 2' 4' 8' 16'



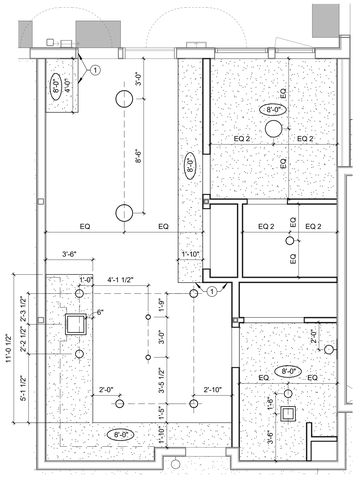
3 A522 1 BEDROOM A (211) - PLAN
1/4" = 1'-0"
0' 2' 4' 8' 16'



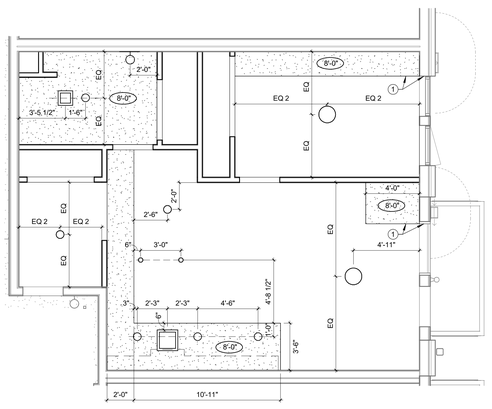
5 A522 1 BEDROOM B - PLAN
1/4" = 1'-0"
0' 2' 4' 8' 16'



2 A522 1 BEDROOM A - RCP
1/4" = 1'-0"
0' 2' 4' 8' 16'



4 A522 1 BEDROOM A (211) - RCP
1/4" = 1'-0"
0' 2' 4' 8' 16'



6 A522 1 BEDROOM B - RCP
1/4" = 1'-0"
0' 2' 4' 8' 16'

GENERAL NOTES - UNIT PLAN & RCP

1. UNIT PLANS PROVIDE THE FOLLOWING INFORMATION:
   - DIMENSIONS
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   - ROOM NAMES
   - KEYNOTES
2. SEE BUILDING PLANS FOR WINDOW LOCATIONS AND ADDITIONAL WALL TAGS AND ELEVATIONS FOR WINDOW TYPES.
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4. DOORS NOT LOCATED BY DIMENSION SHALL BE CENTERED IN THE WALL OR SHALL BE LOCATED 4" FROM FINISH WALL TO HINGE SIDE OF DOOR BUCK AT GYPSUM PARTITIONS.
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7. FOR UNIT FINISH INFORMATION, REFER TO SHEET A700.
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9. FOR FLOOR TRANSITION DETAILS BETWEEN MATERIALS, REFER TO SERIES A900.
10. FOR ENLARGED BATHROOM ELEVATIONS, REFER TO SERIES A750.
11. FOR KITCHEN ELEVATIONS, REFER TO SERIES A750.
12. FLOORING DIRECTION AS INDICATED ON PLAN.
13. REFER TO A900 SERIES FOR TYPICAL INTERIOR DETAILS.
14. REFER TO OVERALL FLOOR PLANS FOR BALCONY AND PATIO CONFIGURATIONS AS THEY MAY VARY WITHIN UNIT TYPES. REFER TO OVERALL FLOOR PLANS FOR DOOR AND WINDOW TYPES LOCATIONS.

KEYNOTES - UNIT PLAN & RCP

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4 12" DEEP SHELVING
5 PTHP
6 WALL MOUNTED BIKE HOOK
7 WRAP STRUCTURAL COLUMN IN 5/8" TYPE X GYPSUM BOARD, FULL HEIGHT.

LEGEND - UNIT PLANS

EP ELECTRICAL PANEL, SEE ELECTRICAL
SB SMART BOX, SEE ELECTRICAL
FLOOR GRAIN DIRECTION

LEGEND - REFLECTED CEILING PLAN - UNITS

PENDANT LIGHT, SEE ELECTRICAL
SURFACE MOUNTED LIGHT, SEE ELECTRICAL
WALL MOUNTED LIGHT, SEE ELECTRICAL
LED DISC LIGHT, SEE ELECTRICAL
BATHROOM EXHAUST VENTILATION FAN, SEE MECHANICAL
KITCHEN EXHAUST VENTILATION FAN, SEE MECHANICAL
DROPPED GYPSUM BOARD CEILING, REFER TO HORIZONTAL ASSEMBLIES
EXPOSED FLOOR ASSEMBLY

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
BUILDING PERMIT SET
REVISION: DESCRIPTION:

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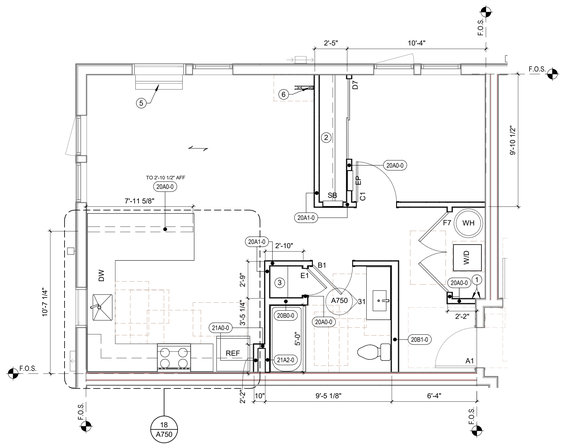
11707 REGISTERED ARCHITECT John R. Wolfe STATE OF WASHINGTON

BUILDING PERMIT SET

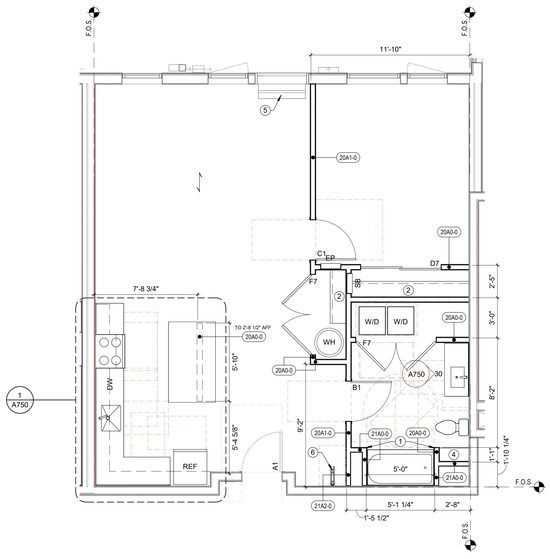
SHEET TITLE:
ENLARGED UNIT PLAN & RCP - 1 BEDROOM

SHEET NO.:
A522

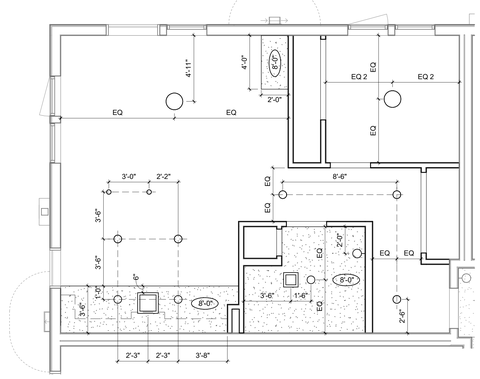
C:\Revit_Local\25129 Puyallup Bell Place-2025-CENTRAL_jseymour_c2k.rvt
3/18/2026 3:53:51 PM



1 A523 1 BEDROOM C - PLAN
1/4" = 1'-0"
0' 2' 4' 8' 16'



3 A523 1 BEDROOM D - TYPE A - PLAN
1/4" = 1'-0"
0' 2' 4' 8' 16'



2 A523 1 BEDROOM C - RCP
1/4" = 1'-0"
0' 2' 4' 8' 16'

4 A523 1 BEDROOM D - TYPE A - RCP
1/4" = 1'-0"
0' 2' 4' 8' 16'

GENERAL NOTES - UNIT PLAN & RCP

1. UNIT PLANS PROVIDE THE FOLLOWING INFORMATION:
   - DIMENSIONS
   - INTERIOR WALL TYPE TAGS - SHEET A190
   - REFERENCES TO KITCHEN & BATHROOM ELEVATIONS
   - ROOM NAMES
   - KEYNOTES
2. SEE BUILDING PLANS FOR WINDOW LOCATIONS AND ADDITIONAL WALL TAGS AND ELEVATIONS FOR WINDOW TYPES.
3. PLAN DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD. CLEAR DIMENSIONS ARE TO FACE OF WALL FINISH.
4. DOORS NOT LOCATED BY DIMENSION SHALL BE CENTERED IN THE WALL OR SHALL BE LOCATED 4" FROM FINISH WALL TO HINGE SIDE OF DOOR BUCK AT GYPSUM PARTITIONS.
5. REFER TO G110 FOR ACCESSIBILITY REQUIREMENTS.
6. RCP DIMENSIONS FOR LIGHTING AND SOFFITS ARE TAKEN FROM THE FACE OF FINISHED SURFACES. LIGHT FIXTURE DIMENSIONS ARE TO CENTERLINE OF FIXTURE. WHERE DIMENSIONS ARE NOT PROVIDED, FIXTURE IS CENTERED WITHIN ROOM/SPACE.
7. FOR UNIT FINISH INFORMATION, REFER TO SHEET A700.
8. PROVIDE BACKING FOR ALL WALL MOUNTED ACCESSORIES, AND EQUIPMENT. VERIFY WEIGHTS AND LOCATIONS.
9. FOR FLOOR TRANSITION DETAILS BETWEEN MATERIALS, REFER TO SERIES A900.
10. FOR ENLARGED BATHROOM ELEVATIONS, REFER TO SERIES A750.
11. FOR KITCHEN ELEVATIONS, REFER TO SERIES A750.
12. FLOORING DIRECTION AS INDICATED ON PLAN.
13. REFER TO A900 SERIES FOR TYPICAL INTERIOR DETAILS.
14. REFER TO OVERALL FLOOR PLANS FOR BALCONY AND PATIO CONFIGURATIONS AS THEY MAY VARY WITHIN UNIT TYPES. REFER TO OVERALL FLOOR PLANS FOR DOOR AND WINDOW TYPES LOCATIONS.

KEYNOTES - UNIT PLAN & RCP

1 ALIGN
2 14" DEEP SHELF AND CLOTHES HANGING ROD
3 16" DEEP SHELVING
4 12" DEEP SHELVING
5 PTHP
6 WALL MOUNTED BIKE HOOK
7 WRAP STRUCTURAL COLUMN IN 5/8" TYPE X GYPSUM BOARD, FULL HEIGHT.

LEGEND - UNIT PLANS

EP ELECTRICAL PANEL, SEE ELECTRICAL
SB SMART BOX, SEE ELECTRICAL
FLOOR GRAIN DIRECTION

LEGEND - REFLECTED CEILING PLAN - UNITS

PENDANT LIGHT, SEE ELECTRICAL
SURFACE MOUNTED LIGHT, SEE ELECTRICAL
WALL MOUNTED LIGHT, SEE ELECTRICAL
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BATHROOM EXHAUST VENTILATION FAN, SEE MECHANICAL
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DROPPED GYPSUM BOARD CEILING, REFER TO HORIZONTAL ASSEMBLIES
EXPOSED FLOOR ASSEMBLY

C2K ARCHITECTURE
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PUYALLUP BELL PLACE

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11707 REGISTERED ARCHITECT JOHN R. WEAN STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
ENLARGED UNIT PLAN & RCP - 1 BEDROOM

SHEET NO.:
A523

C:\Revit_Local\25129 Puyallup Bell Place-2025-CENTRAL_jleymour_c2k.rvt
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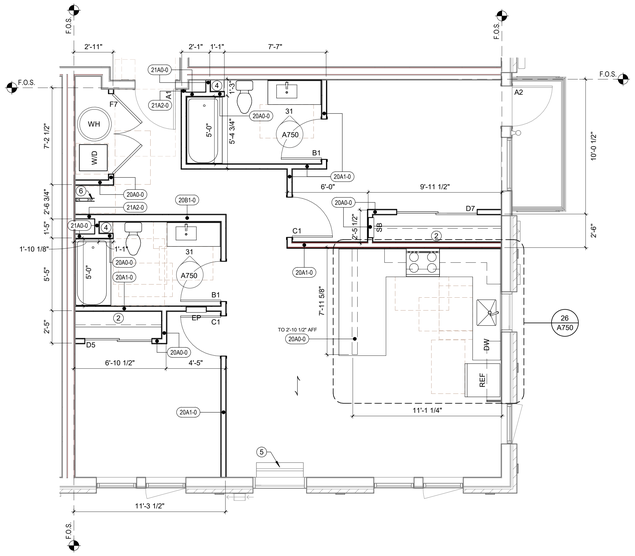
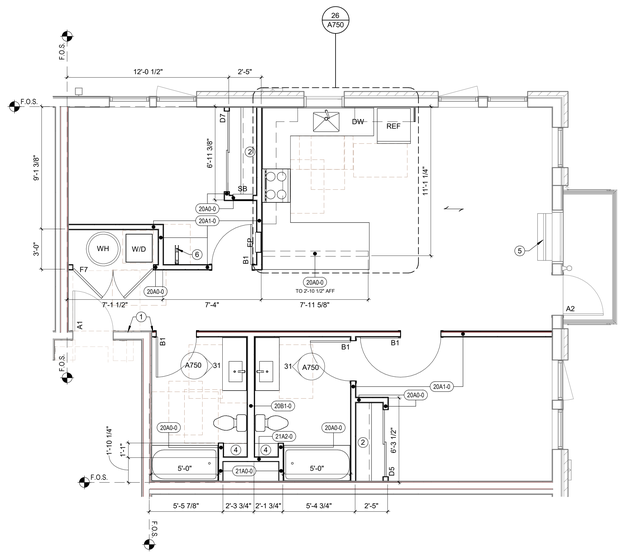


1 A524 2 BEDROOM A - PLAN
1/4" = 1'-0"
0' 2' 4' 8' 16'



3 A524 2 BEDROOM B - PLAN
1/4" = 1'-0"
0' 2' 4' 8' 16'

2 A524 2 BEDROOM A - RCP
1/4" = 1'-0"
0' 2' 4' 8' 16'

4 A524 2 BEDROOM B - RCP
1/4" = 1'-0"
0' 2' 4' 8' 16'

GENERAL NOTES - UNIT PLAN & RCP

1. UNIT PLANS PROVIDE THE FOLLOWING INFORMATION:
   - DIMENSIONS
   - INTERIOR WALL TYPE TAGS - SHEET A190
   - REFERENCES TO KITCHEN & BATHROOM ELEVATIONS
   - ROOM NAMES
   - KEYNOTES
2. SEE BUILDING PLANS FOR WINDOW LOCATIONS AND ADDITIONAL WALL TAGS AND ELEVATIONS FOR WINDOW TYPES.
3. PLAN DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD. CLEAR DIMENSIONS ARE TO FACE OF WALL FINISH.
4. DOORS NOT LOCATED BY DIMENSION SHALL BE CENTERED IN THE WALL OR SHALL BE LOCATED 4" FROM FINISH WALL TO HINGE SIDE OF DOOR BUCK AT GYPSUM PARTITIONS.
5. REFER TO G110 FOR ACCESSIBILITY REQUIREMENTS.
6. RCP DIMENSIONS FOR LIGHTING AND SOFFITS ARE TAKEN FROM THE FACE OF FINISHED SURFACES. LIGHT FIXTURE DIMENSIONS ARE TO CENTERLINE OF FIXTURE. WHERE DIMENSIONS ARE NOT PROVIDED, FIXTURE IS CENTERED WITHIN ROOM/SPACE.
7. FOR UNIT FINISH INFORMATION, REFER TO SHEET A700.
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9. FOR FLOOR TRANSITION DETAILS BETWEEN MATERIALS, REFER TO SERIES A900.
10. FOR ENLARGED BATHROOM ELEVATIONS, REFER TO SERIES A750.
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KEYNOTES - UNIT PLAN & RCP

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2 14" DEEP SHELF AND CLOTHES HANGING ROD
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4 12" DEEP SHELVING
5 PTHP
6 WALL MOUNTED BIKE HOOK
7 WRAP STRUCTURAL COLUMN IN 5/8" TYPE X GYPSUM BOARD, FULL HEIGHT.

LEGEND - UNIT PLANS

EP — ELECTRICAL PANEL, SEE ELECTRICAL
SB — SMART BOX, SEE ELECTRICAL
FLOOR GRAIN DIRECTION

LEGEND - REFLECTED CEILING PLAN - UNITS

PENDANT LIGHT, SEE ELECTRICAL
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KITCHEN EXHAUST VENTILATION FAN, SEE MECHANICAL
DROPPED GYPSUM BOARD CEILING, REFER TO HORIZONTAL ASSEMBLIES
EXPOSED FLOOR ASSEMBLY

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026 BUILDING PERMIT SET
REVISION: DESCRIPTION:

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BUILDING PERMIT SET

11707 REGISTERED ARCHITECT JOHN R. WRIGHT STATE OF WASHINGTON

SHEET TITLE:
ENLARGED UNIT PLAN & RCP - 2 BEDROOM

SHEET NO.:
A524

C:\Revit_Local\25129 Puyallup Bell Place-2025-CENTRAL_jseymour_c2k.rvt
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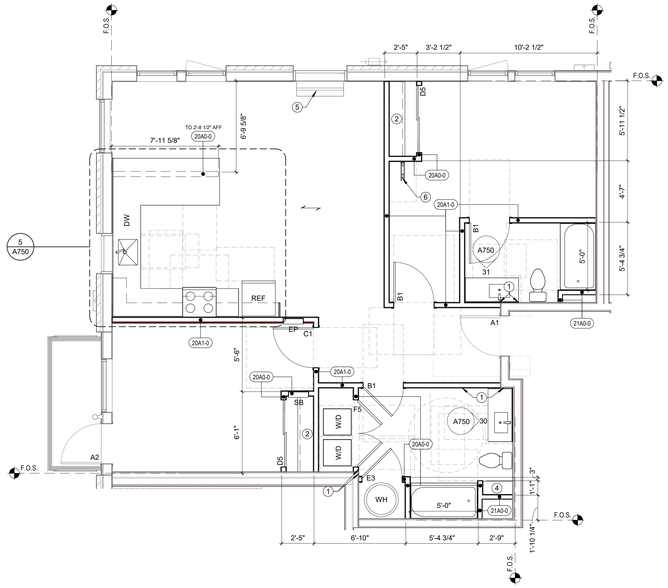
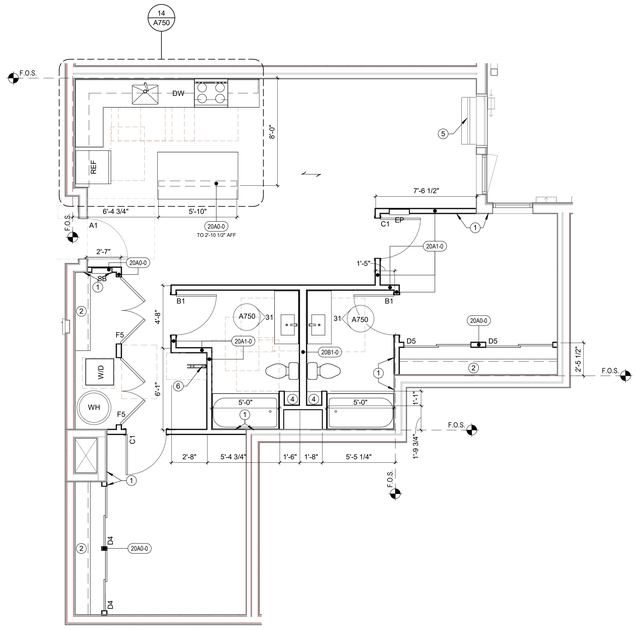


1 A525 2 BEDROOM C - TYPE A - PLAN
1/4" = 1'-0"



3 A525 2 BEDROOM D - PLAN
1/4" = 1'-0"

2 A525 2 BEDROOM C - TYPE A - RCP
1/4" = 1'-0"

4 A525 2 BEDROOM D - RCP
1/4" = 1'-0"

GENERAL NOTES - UNIT PLAN & RCP

1. UNIT PLANS PROVIDE THE FOLLOWING INFORMATION:
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   - INTERIOR WALL TYPE TAGS - SHEET A190
   - REFERENCES TO KITCHEN & BATHROOM ELEVATIONS
   - ROOM NAMES
   - KEYNOTES
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KEYNOTES - UNIT PLAN & RCP

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5 PTHP
6 WALL MOUNTED BIKE HOOK
7 WRAP STRUCTURAL COLUMN IN 5/8" TYPE X GYPSUM BOARD, FULL HEIGHT.

LEGEND - UNIT PLANS

EP ELECTRICAL PANEL, SEE ELECTRICAL
SB SMART BOX, SEE ELECTRICAL
FLOOR GRAIN DIRECTION

LEGEND - REFLECTED CEILING PLAN - UNITS

PENDANT LIGHT, SEE ELECTRICAL
SURFACE MOUNTED LIGHT, SEE ELECTRICAL
WALL MOUNTED LIGHT, SEE ELECTRICAL
LED DISC LIGHT, SEE ELECTRICAL
BATHROOM EXHAUST VENTILATION FAN, SEE MECHANICAL
KITCHEN EXHAUST VENTILATION FAN, SEE MECHANICAL
DROPPED GYPSUM BOARD CEILING, REFER TO HORIZONTAL ASSEMBLIES
EXPOSED FLOOR ASSEMBLY

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
BUILDING PERMIT SET

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11707 REGISTERED ARCHITECT JOHN R. WUHR STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
ENLARGED UNIT PLAN & RCP - 2 BEDROOM

SHEET NO.:
A525

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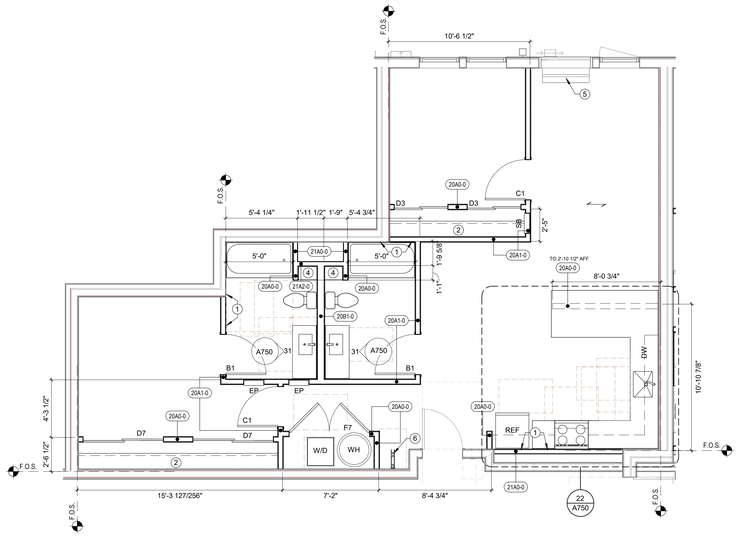
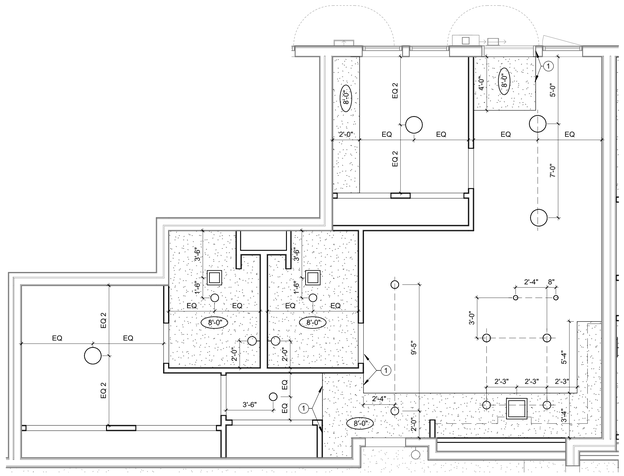


1 A526 2 BEDROOM E - PLAN
1/4" = 1'-0"

0' 2' 4' 8' 16'



2 A526 2 BEDROOM E - RCP
1/4" = 1'-0"

0' 2' 4' 8' 16'

GENERAL NOTES - UNIT PLAN & RCP

1. UNIT PLANS PROVIDE THE FOLLOWING INFORMATION:
   - DIMENSIONS
   - INTERIOR WALL TYPE TAGS - SHEET A190
   - REFERENCES TO KITCHEN & BATHROOM ELEVATIONS
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   - KEYNOTES
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5. REFER TO G110 FOR ACCESSIBILITY REQUIREMENTS.
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7. FOR UNIT FINISH INFORMATION, REFER TO SHEET A700.
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KEYNOTES - UNIT PLAN & RCP

1 ALIGN
2 14" DEEP SHELF AND CLOTHES HANGING ROD
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5 PTHP
6 WALL MOUNTED BIKE HOOK
7 WRAP STRUCTURAL COLUMN IN 5/8" TYPE X GYPSUM BOARD, FULL HEIGHT.

LEGEND - UNIT PLANS

EP ELECTRICAL PANEL, SEE ELECTRICAL
SB SMART BOX, SEE ELECTRICAL
FLOOR GRAIN DIRECTION

LEGEND - REFLECTED CEILING PLAN - UNITS

PENDANT LIGHT, SEE ELECTRICAL
SURFACE MOUNTED LIGHT, SEE ELECTRICAL
WALL MOUNTED LIGHT, SEE ELECTRICAL
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BATHROOM EXHAUST VENTILATION FAN, SEE MECHANICAL
KITCHEN EXHAUST VENTILATION FAN, SEE MECHANICAL
DROPPED GYPSUM BOARD CEILING, REFER TO HORIZONTAL ASSEMBLIES
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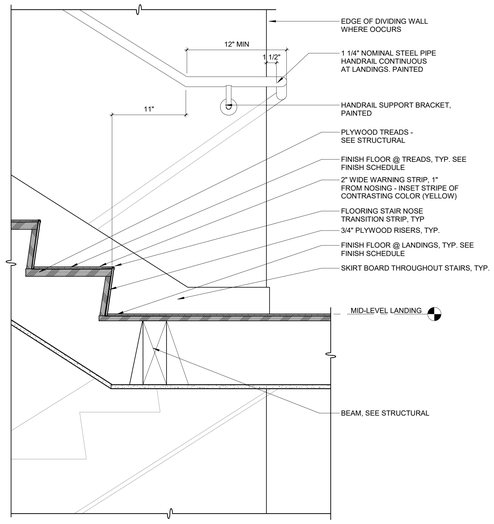
11707 REGISTERED ARCHITECT JOHN R. WOOD STATE OF WASHINGTON

BUILDING PERMIT SET

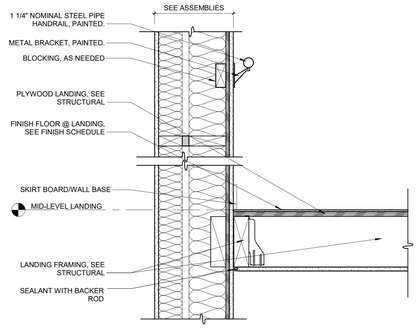
SHEET TITLE:
ENLARGED UNIT PLAN & RCP - 2 BEDROOM

SHEET NO.:
A526

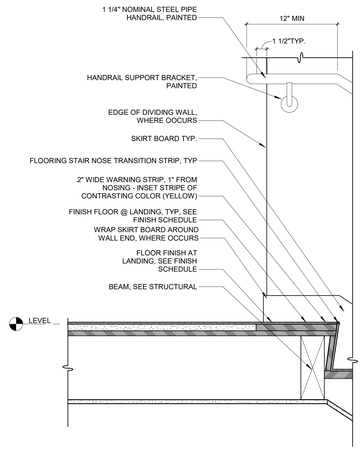
C:\Revit_Local\25129 Puyallup Bell Place-2025-CENTRAL_jseymour_c2k.rvt
3/18/2026 3:54:00 PM



11 A580 MID LEVEL LANDING - SECTION
1 1/2" = 1'-0"

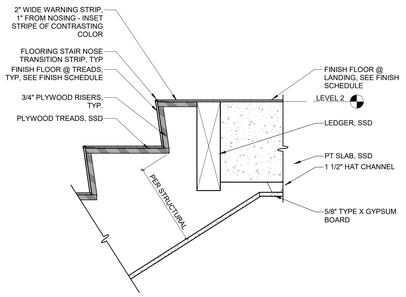


12 A580 STAIR @ MID LEVEL LANDING
1 1/2" = 1'-0"

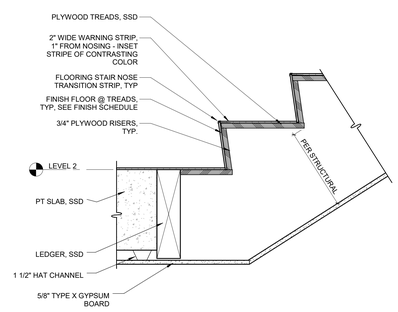


15 A580 STAIR FLOOR LANDING AT LEVEL 3-5 - SECTION
1 1/2" = 1'-0"

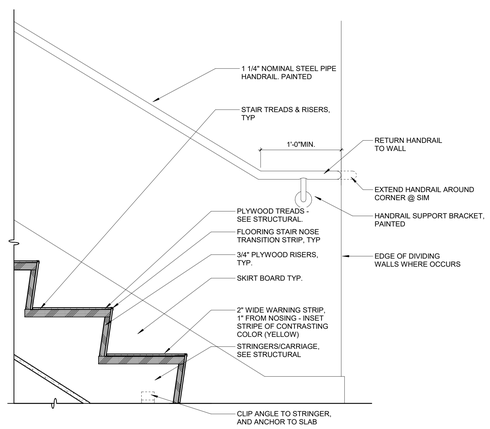
Provide stair rise and run requirements per 2021 Washington State Building Code, Section 1011.5 (Construction Set, Sheet A580)



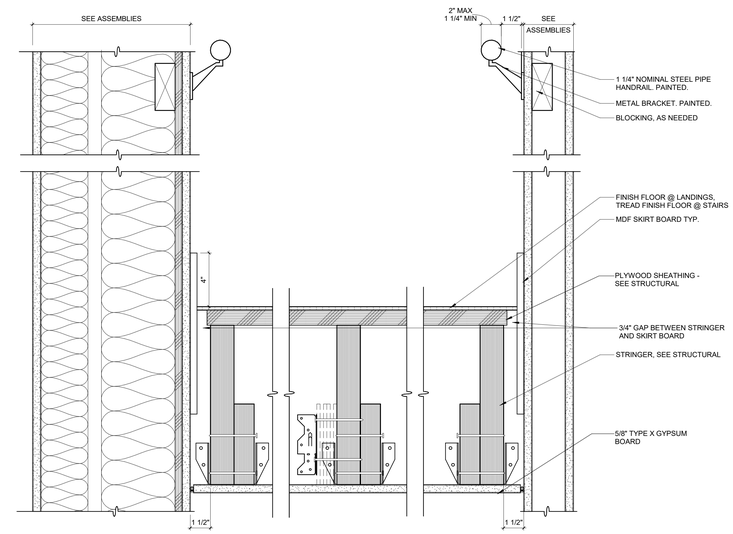
21 A580 STAIR TOP AT LEVEL 2 - SECTION
1 1/2" = 1'-0"



22 A580 STAIR BOTTOM AT LEVEL 2 - SECTION
1 1/2" = 1'-0"



41 A580 BOTTOM LANDING - SECTION
1 1/2" = 1'-0"



45 A580 STAIR SECTION - RAILING DETAIL
3" = 1'-0"

C2K
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1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION: DESCRIPTION:

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11707 REGISTERED ARCHITECT John R. Wright STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
VERTICAL CIRCULATION - STAIR DETAILS

SHEET NO.:
A580

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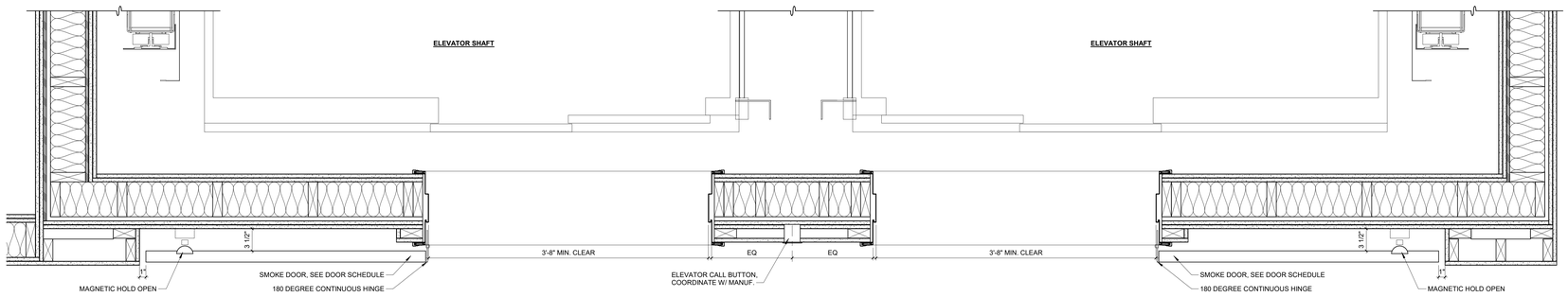
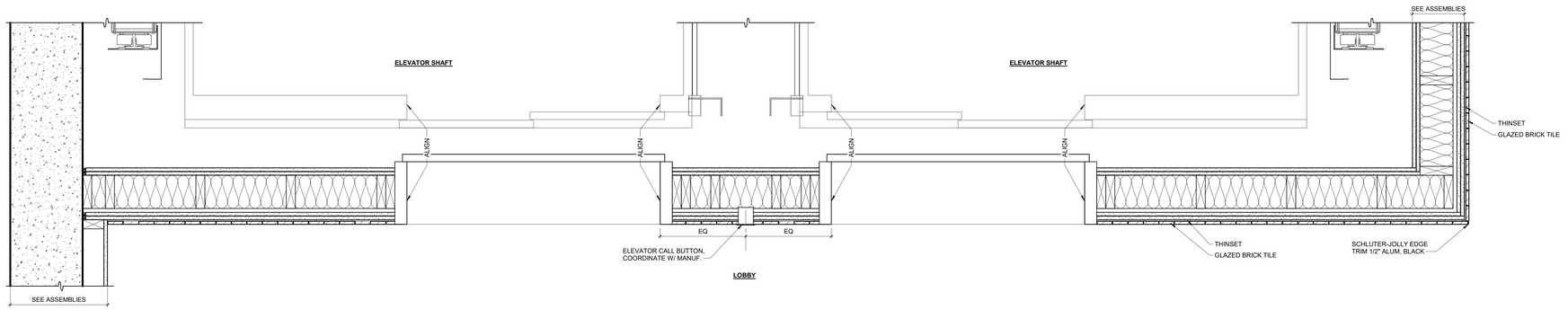
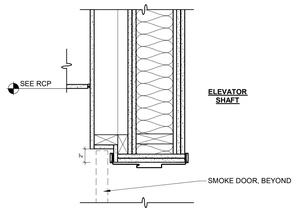


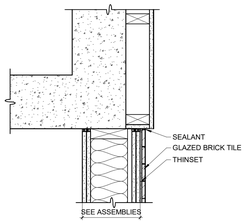
01 A581 ELEVATOR DOOR JAMB LEVEL 2-5 - PLAN
1 1/2" = 1'-0"



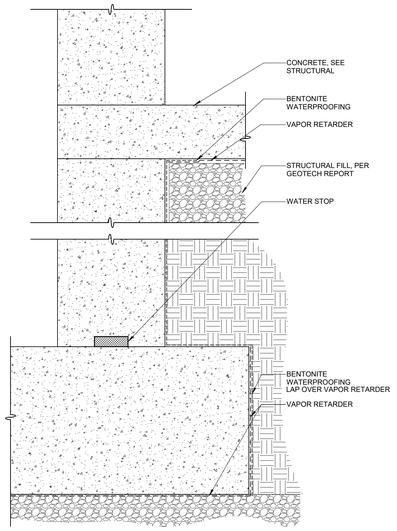
11 A581 ELEVATOR DOOR JAMB LEVEL 1 - PLAN
1 1/2" = 1'-0"



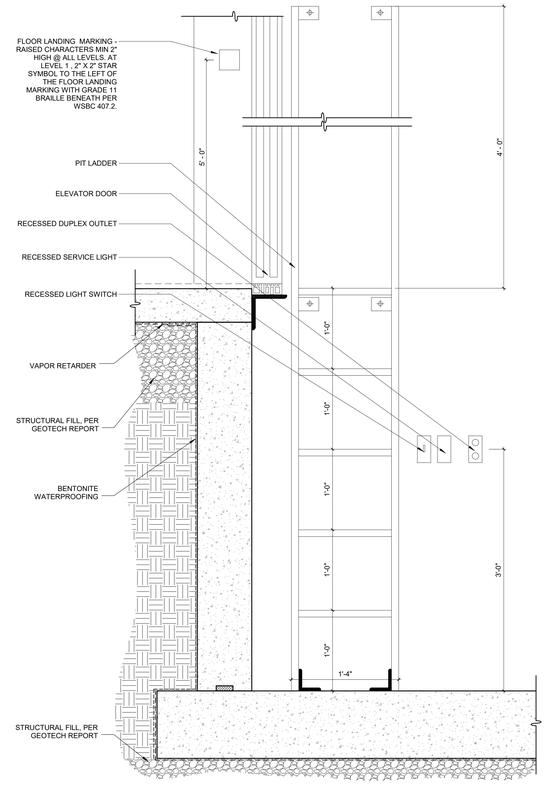
21 A581 ELEVATOR DOOR HEAD @ LEVELS 2-ROOF - PLAN
1 1/2" = 1'-0"



22 A581 HORIZONTAL TRANSITION - GLAZED BRICK TILE - PLAN
1 1/2" = 1'-0"



44 A581 ELEVATOR - PIT DETAIL
3" = 1'-0"



46 A581 ELEVATOR - PIT LADDER/PIT
1 1/2" = 1'-0"

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1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

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URBAN PUYALLUP MIXED USE LLC

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204 4TH ST SW
PUYALLUP, WA 98371

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11707 REGISTERED ARCHITECT John R. Wright STATE OF WASHINGTON

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SHEET TITLE:
VERTICAL CIRCULATION - ELEVATOR DETAILS

SHEET NO.:
A581

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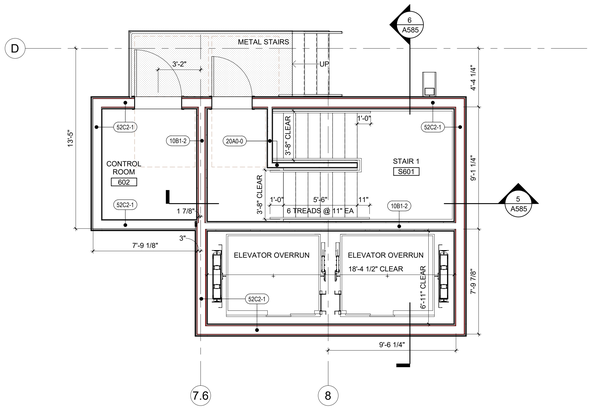
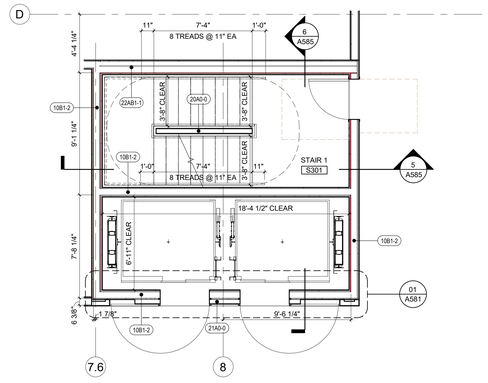
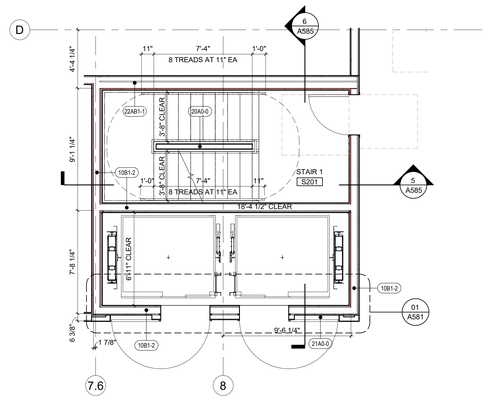


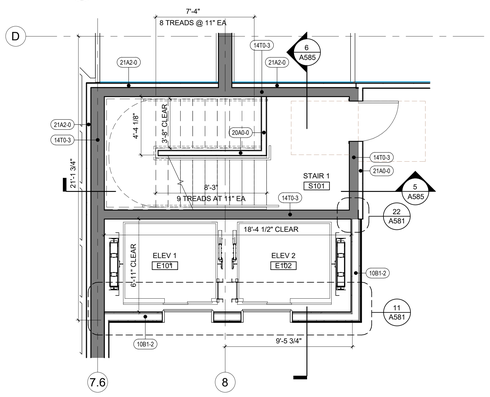
1 A585 ENLARGED PLAN - STAIR 1 & ELEVATORS - LEVEL ROOF
1/4" = 1'-0"



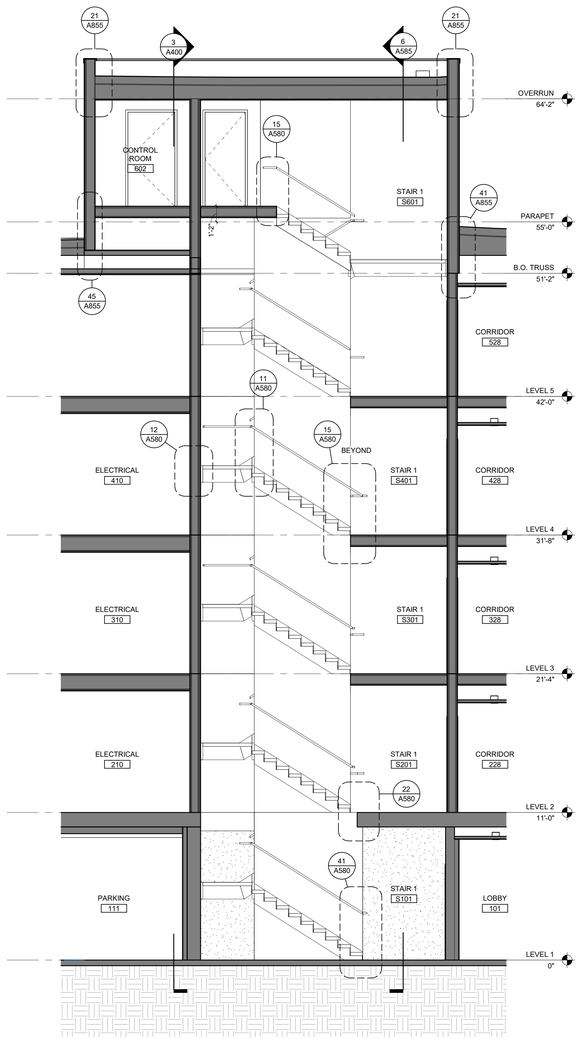
2 A585 ENLARGED PLAN - STAIR 1 & ELEVATORS - LEVELS 3-5
1/4" = 1'-0"



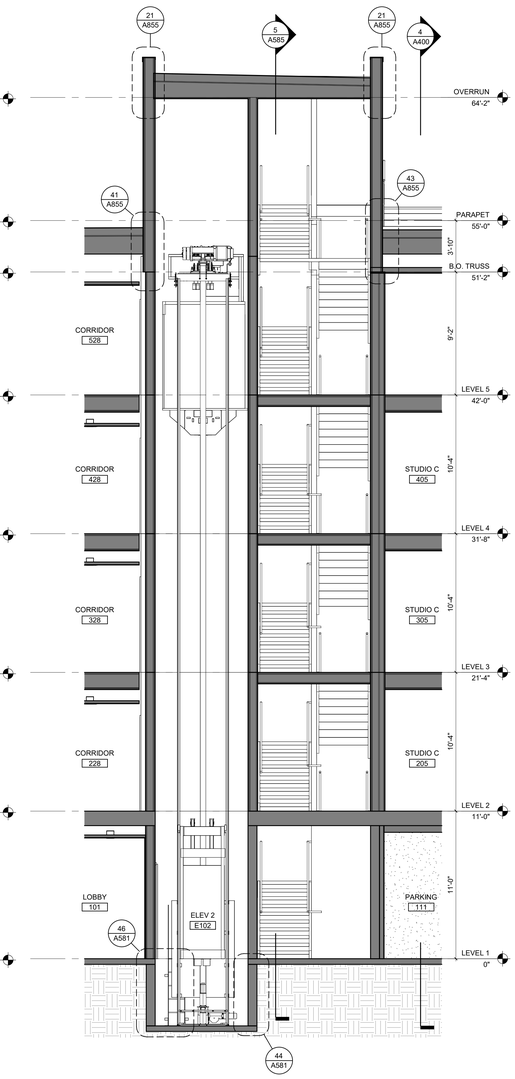
3 A585 ENLARGED PLAN - STAIR 1 & ELEVATORS - LEVEL 2
1/4" = 1'-0"



4 A585 ENLARGED PLAN - STAIR 1 & ELEVATORS - LEVEL 1
1/4" = 1'-0"



5 A585 STAIR 1 - SECTION 1 - NORTH
1/4" = 1'-0"



6 A585 STAIR 1 - SECTION 2 - SOUTH
1/4" = 1'-0"

GENERAL NOTES - VERTICAL CIRCULATION

1. COORDINATE FINAL STAIR ELEVATIONS WITH FINISHED FLOOR ELEVATIONS.
2. ELEVATOR EQUIPMENT SHOWN IS DIAGRAMMATIC, VERIFY SPECIFIC REQUIREMENTS WITH ELEVATOR MANUFACTURER.
3. PLAN DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD, UNO. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH.
4. DOOR OPENINGS NOT DIMENSIONED ARE LOCATED 4" FROM ADJACENT WALL CORNER ON HINGE SIDE.
5. THRESHOLD FOR ALL DOORS: THE FLOOR OR LANDING SHALL NOT BE MORE THAN 1/2" LOWER THAN THE TOP OF THE DOORWAY. CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BEVELED WITH A SLOPE OF NO GREATER THAN 1 UNIT VERTICAL IN 2 UNITS HORIZONTAL.
6. SEE SHEET A580 FOR TYPICAL INTERIOR STAIR DETAILS.

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
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11707 REGISTERED ARCHITECT JOHN R. WOHL STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
VERTICAL CIRCULATION - STAIR 1 & ELEVATORS

SHEET NO.:
A585

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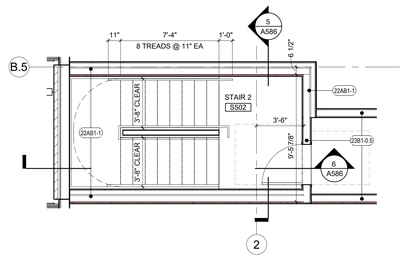
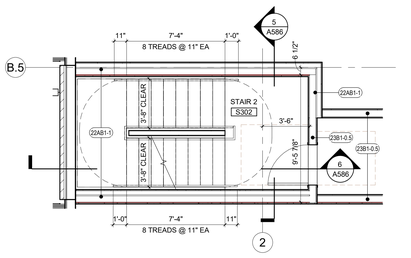
GENERAL NOTES - VERTICAL CIRCULATION

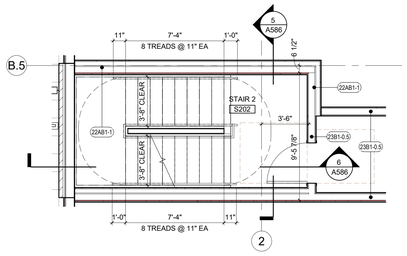
1. COORDINATE FINAL STAIR ELEVATIONS WITH FINISHED FLOOR ELEVATIONS.
2. ELEVATOR EQUIPMENT SHOWN IS DIAGRAMMATIC, VERIFY SPECIFIC REQUIREMENTS WITH ELEVATOR MANUFACTURER.
3. PLAN DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD, UNO. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH.
4. DOOR OPENINGS NOT DIMENSIONED ARE LOCATED 4" FROM ADJACENT WALL CORNER ON HINGE SIDE.
5. THRESHOLD FOR ALL DOORS: THE FLOOR OR LANDING SHALL NOT BE MORE THAN 1/2" LOWER THAN THE TOP OF THE DOORWAY. CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BEVELED WITH A SLOPE OF NO GREATER THAN 1 UNIT VERTICAL IN 2 UNITS HORIZONTAL.
6. SEE SHEET A580 FOR TYPICAL INTERIOR STAIR DETAILS.



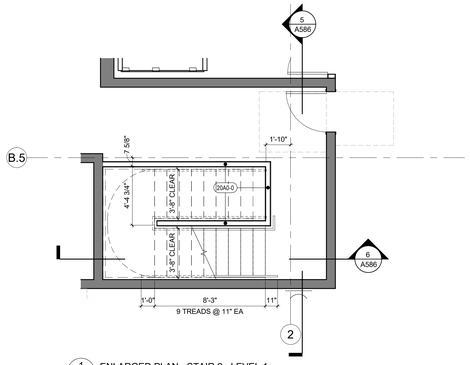
4 A586 ENLARGED PLAN - STAIR 2 - ROOF
1/4" = 1'-0"



3 A586 ENLARGED PLAN - STAIR 2 - LEVEL 3-5
1/4" = 1'-0"



2 A586 ENLARGED PLAN - STAIR 2 - LEVEL 2
1/4" = 1'-0"



1 A586 ENLARGED PLAN - STAIR 2 - LEVEL 1
1/4" = 1'-0"

5 A586 STAIR 2 - SECTION 1 - NORTH
1/4" = 1'-0"

6 A586 STAIR 2 - SECTION 2 - SOUTH
1/4" = 1'-0"

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1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

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11707 REGISTERED ARCHITECT
JOHN R. WUNK
STATE OF WASHINGTON

SHEET TITLE:
VERTICAL CIRCULATION - STAIR 2

SHEET NO.:
A586

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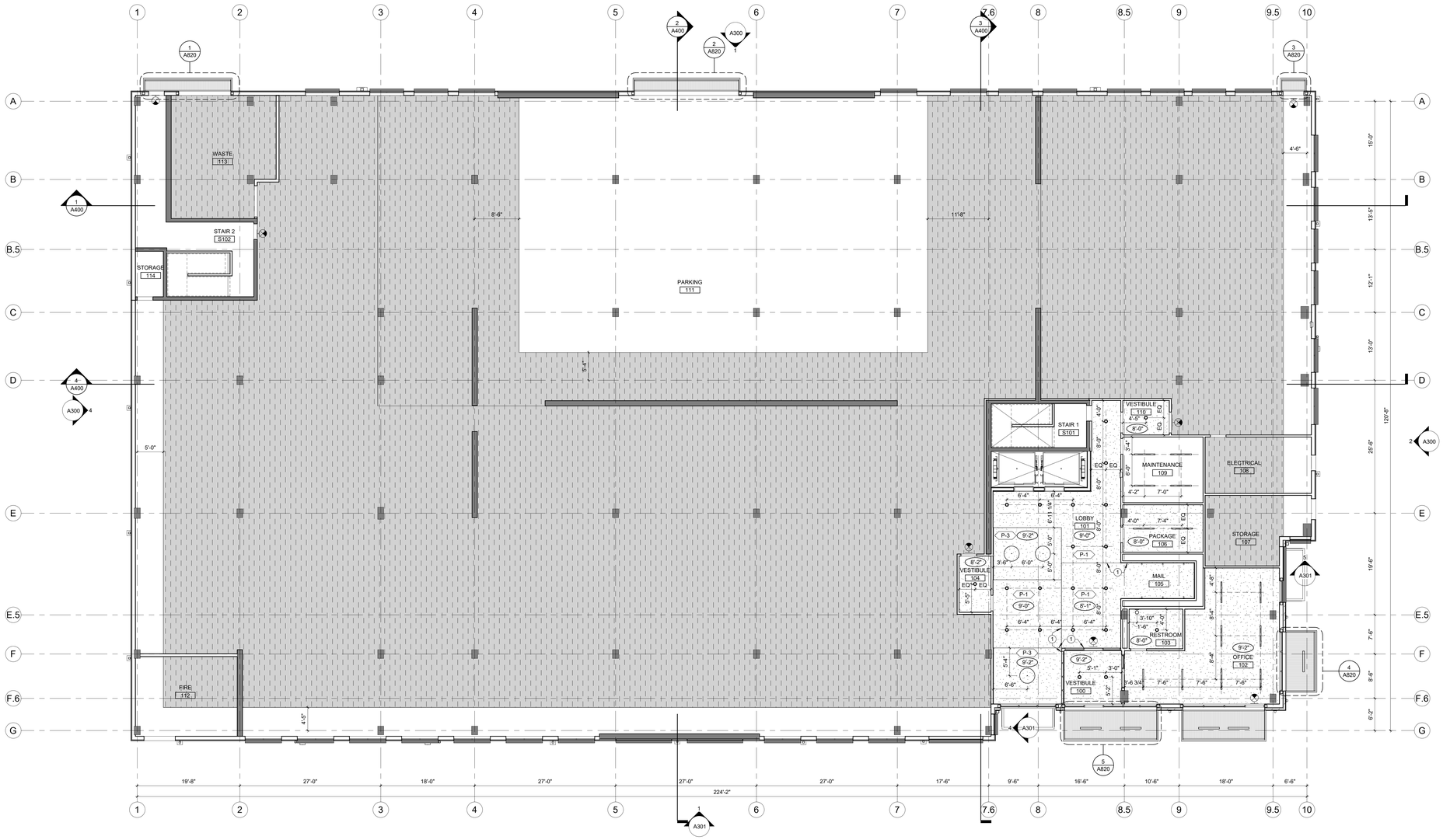

1 A601 REFLECTED CEILING PLAN - LEVEL 1
1/8" = 1'-0"

0' 4' 8' 16' 32'

LEGEND - REFLECTED CEILING PLAN

- PENDANT LIGHT, SEE ELECTRICAL
- SURFACE MOUNTED LIGHT, SEE ELECTRICAL
- WALL MOUNTED LIGHT, SEE ELECTRICAL
- LED DISC LIGHT, SEE ELECTRICAL
- BATHROOM EXHAUST VENTILATION FAN, SEE MECHANICAL
- KITCHEN EXHAUST VENTILATION FAN, SEE MECHANICAL
- DROPPED GYPSUM BOARD CEILING, REFER TO HORIZONTAL ASSEMBLIES
- EXPOSED FLOOR ASSEMBLY
- EXIT SIGN, SHADED SIDE REPRESENTS LIGHTED FACE
- STICK PIN INSULATION, REFER TO HORIZONTAL ASSEMBLIES
- GENERATOR CEILING, REFER TO HORIZONTAL ASSEMBLIES
- SURFACE MOUNTED ELEVATOR LOBBY LIGHT, SEE ELECTRICAL
- ART LIGHT, SEE ELECTRICAL
- LOBBY PENDANT LIGHT, SEE ELECTRICAL
- LINEAR GYM LIGHT, SEE ELECTRICAL
- LINEAR SURFACE LIGHT, SEE ELECTRICAL

KEYNOTES - REFLECTED CEILING PLAN

1 ALIGN
2 BENT PLATE CANOPY, SEE STRUCTURAL

GENERAL NOTES - REFLECTED CEILING PLAN

1. ALL MECHANICAL, ELECTRICAL, PLUMBING, CIVIL AND LANDSCAPE UTILITIES MUST BE HUNG AT THE HIGHEST POSSIBLE MOUNTING HEIGHT TO ALLOW FOR MAXIMUM CLEARANCE.
2. REFER TO ENLARGED UNIT PLANS FOR UNIT CEILING INFORMATION.
3. CEILING ELEMENT LOCATIONS SHOWN ON THE REFLECTED CEILING PLAN TAKE PRECEDENCE OVER MECHANICAL AND ELECTRICAL DRAWINGS, UON.
4. DIMENSIONS FOR LIGHTING AND SOFFITS ARE TAKEN FROM THE FACE OF FINISHED SURFACES. LIGHT FIXTURE DIMENSIONS ARE TO CENTERLINE OF FIXTURE. WHERE DIMENSIONS ARE NOT PROVIDED, FIXTURE IS CENTERED WITHIN ROOM/SPACE.
5. CEILING HEIGHTS ARE MEASURED FROM FLOOR LEVEL, NOT FINISHED FLOOR.

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ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
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11707 REGISTERED ARCHITECT JOHN R. WOHN STATE OF WASHINGTON

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SHEET TITLE:
REFLECTED CEILING PLAN - LEVEL 1

SHEET NO.:
A601

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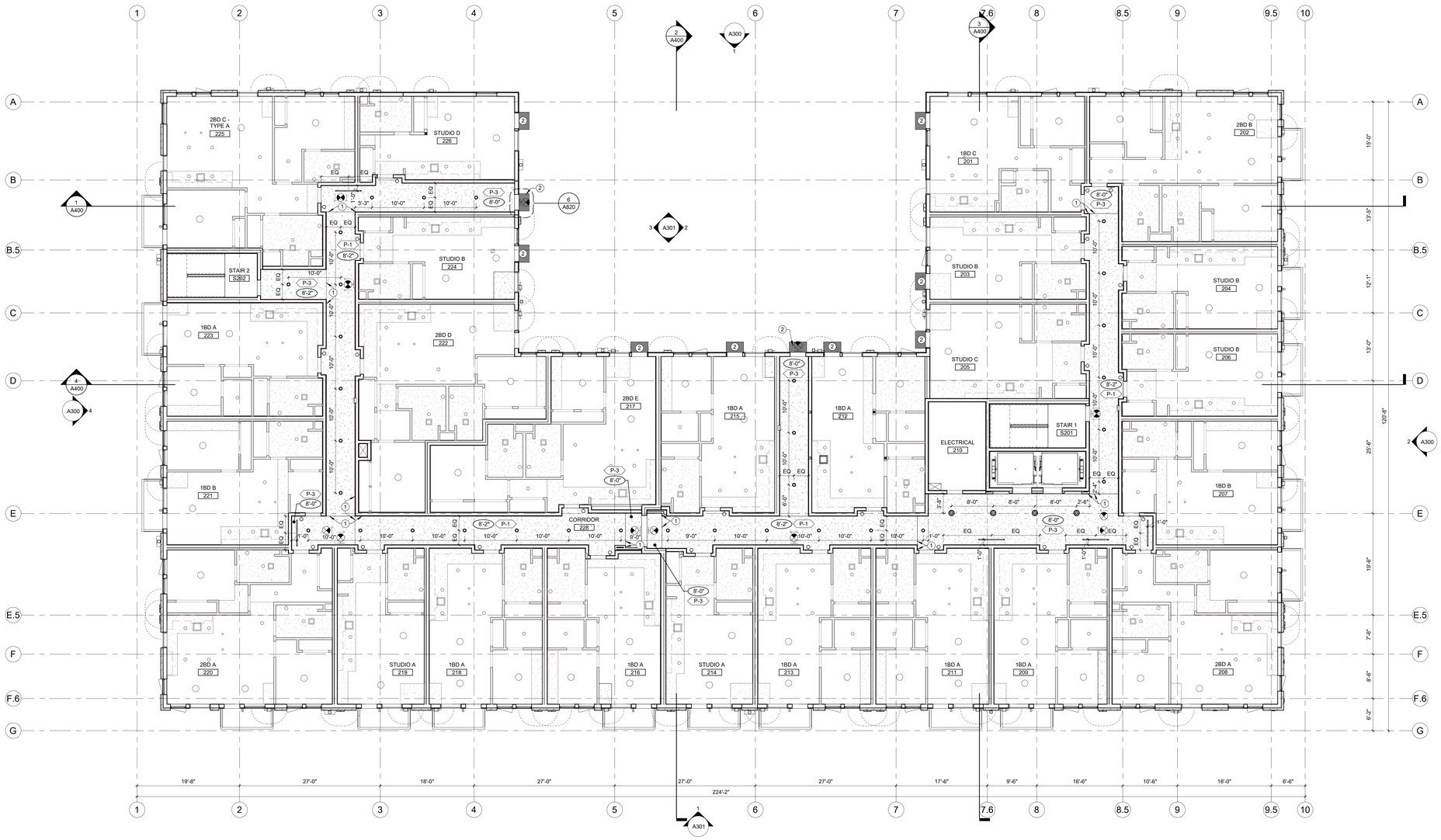

1 A602 REFLECTED CEILING PLAN - LEVEL 2
1/8" = 1'-0"

0' 4' 8' 16' 32'

LEGEND - REFLECTED CEILING PLAN

- PENDANT LIGHT, SEE ELECTRICAL
- SURFACE MOUNTED LIGHT, SEE ELECTRICAL
- WALL MOUNTED LIGHT, SEE ELECTRICAL
- LED DISC LIGHT, SEE ELECTRICAL
- BATHROOM EXHAUST VENTILATION FAN, SEE MECHANICAL
- KITCHEN EXHAUST VENTILATION FAN, SEE MECHANICAL
- DROPPED GYPSUM BOARD CEILING, REFER TO HORIZONTAL ASSEMBLIES
- EXPOSED FLOOR ASSEMBLY
- EXIT SIGN, SHADED SIDE REPRESENTS LIGHTED FACE
- STICK PIN INSULATION, REFER TO HORIZONTAL ASSEMBLIES
- GENERATOR CEILING, REFER TO HORIZONTAL ASSEMBLIES
- SURFACE MOUNTED ELEVATOR LOBBY LIGHT, SEE ELECTRICAL
- ART LIGHT, SEE ELECTRICAL
- LOBBY PENDANT LIGHT, SEE ELECTRICAL
- LINEAR GYM LIGHT, SEE ELECTRICAL
- LINEAR SURFACE LIGHT, SEE ELECTRICAL

KEYNOTES - REFLECTED CEILING PLAN

1 ALIGN
2 BENT PLATE CANOPY, SEE STRUCTURAL

GENERAL NOTES - REFLECTED CEILING PLAN

1. ALL MECHANICAL, ELECTRICAL, PLUMBING, CIVIL AND LANDSCAPE UTILITIES MUST BE HUNG AT THE HIGHEST POSSIBLE MOUNTING HEIGHT TO ALLOW FOR MAXIMUM CLEARANCE.
2. REFER TO ENLARGED UNIT PLANS FOR UNIT CEILING INFORMATION.
3. CEILING ELEMENT LOCATIONS SHOWN ON THE REFLECTED CEILING PLAN TAKE PRECEDENCE OVER MECHANICAL AND ELECTRICAL DRAWINGS, U.O.N.
4. DIMENSIONS FOR LIGHTING AND SOFFITS ARE TAKEN FROM THE FACE OF FINISHED SURFACES. LIGHT FIXTURE DIMENSIONS ARE TO CENTERLINE OF FIXTURE. WHERE DIMENSIONS ARE NOT PROVIDED, FIXTURE IS CENTERED WITHIN ROOM/SPACE.
5. CEILING HEIGHTS ARE MEASURED FROM FLOOR LEVEL, NOT FINISHED FLOOR.

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
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11707 REGISTERED ARCHITECT JOHN R. WUHR STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
REFLECTED CEILING PLAN - LEVEL 2

SHEET NO.:
A602

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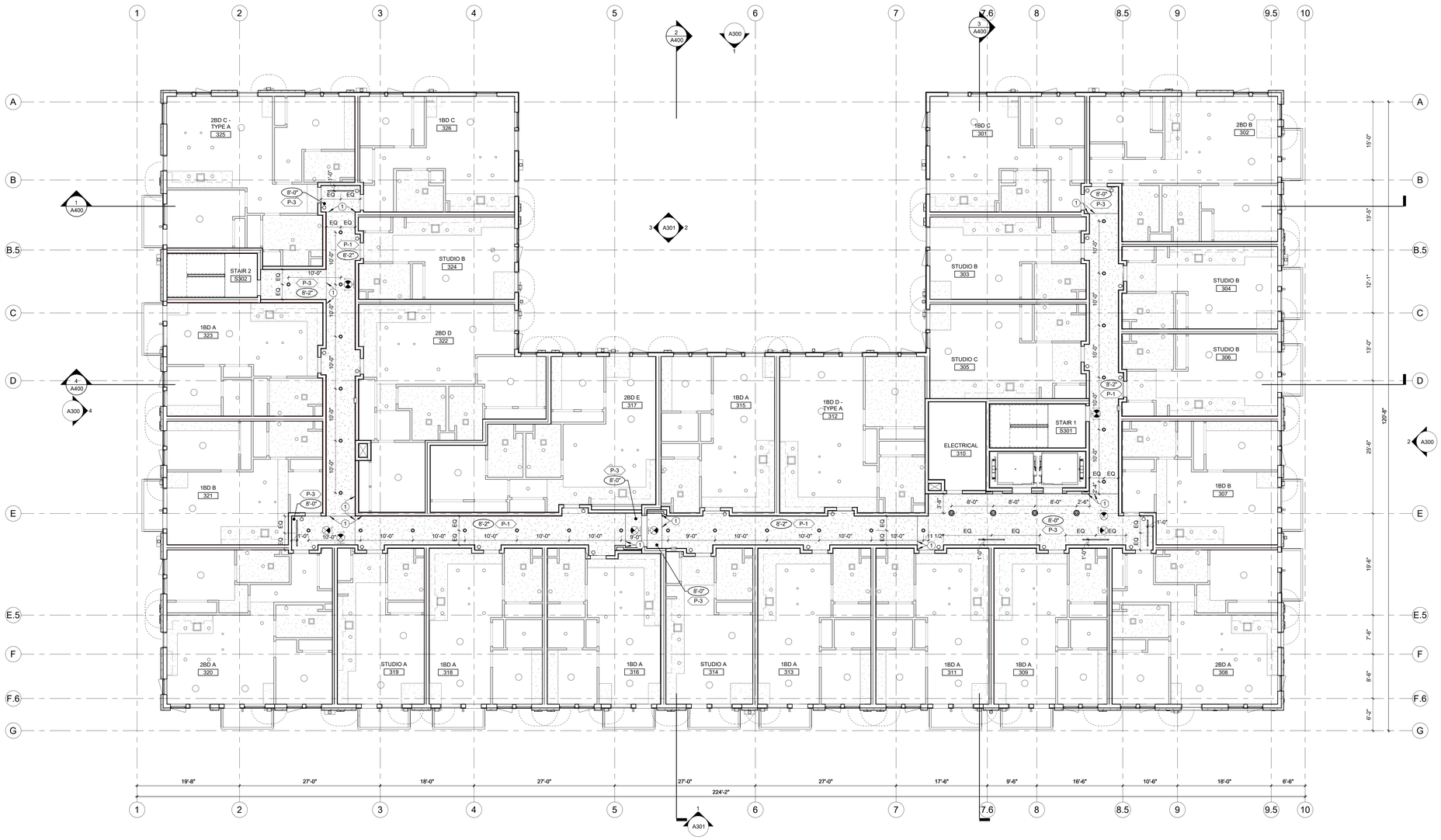

1 A603 REFLECTED CEILING PLAN - LEVELS 3-5
1/8" = 1'-0"

0' 4' 8' 16' 32'

LEGEND - REFLECTED CEILING PLAN

- PENDANT LIGHT, SEE ELECTRICAL
- SURFACE MOUNTED LIGHT, SEE ELECTRICAL
- WALL MOUNTED LIGHT, SEE ELECTRICAL
- LED DISC LIGHT, SEE ELECTRICAL
- BATHROOM EXHAUST VENTILATION FAN, SEE MECHANICAL
- KITCHEN EXHAUST VENTILATION FAN, SEE MECHANICAL
- DROPPED GYPSUM BOARD CEILING, REFER TO HORIZONTAL ASSEMBLIES
- EXPOSED FLOOR ASSEMBLY
- EXIT SIGN, SHADED SIDE REPRESENTS LIGHTED FACE
- STICK PIN INSULATION, REFER TO HORIZONTAL ASSEMBLIES
- GENERATOR CEILING, REFER TO HORIZONTAL ASSEMBLIES
- SURFACE MOUNTED ELEVATOR LOBBY LIGHT, SEE ELECTRICAL
- ART LIGHT, SEE ELECTRICAL
- LOBBY PENDANT LIGHT, SEE ELECTRICAL
- LINEAR GYM LIGHT, SEE ELECTRICAL
- LINEAR SURFACE LIGHT, SEE ELECTRICAL

KEYNOTES - REFLECTED CEILING PLAN

1 ALIGN
2 BENT PLATE CANOPY, SEE STRUCTURAL

GENERAL NOTES - REFLECTED CEILING PLAN

1. ALL MECHANICAL, ELECTRICAL, PLUMBING, CIVIL AND LANDSCAPE UTILITIES MUST BE HUNG AT THE HIGHEST POSSIBLE MOUNTING HEIGHT TO ALLOW FOR MAXIMUM CLEARANCE.
2. REFER TO ENLARGED UNIT PLANS FOR UNIT CEILING INFORMATION.
3. CEILING ELEMENT LOCATIONS SHOWN ON THE REFLECTED CEILING PLAN TAKE PRECEDENCE OVER MECHANICAL AND ELECTRICAL DRAWINGS, UON.
4. DIMENSIONS FOR LIGHTING AND SOFFITS ARE TAKEN FROM THE FACE OF FINISHED SURFACES. LIGHT FIXTURE DIMENSIONS ARE TO CENTERLINE OF FIXTURE. WHERE DIMENSIONS ARE NOT PROVIDED, FIXTURE IS CENTERED WITHIN ROOM/SPACE.
5. CEILING HEIGHTS ARE MEASURED FROM FLOOR LEVEL, NOT FINISHED FLOOR.

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION: DESCRIPTION:

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11707 REGISTERED ARCHITECT JOHN R. WOHL STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
REFLECTED CEILING PLAN - LEVELS 3-5

SHEET NO.:
A603

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ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALLS				CEILING	NOTES
				NORTH	EAST	SOUTH	WEST		
LEVEL 1									
100	VESTIBULE	CPT-3	BASE-1	P-1	P-1	P-1	P-1	P-1	PROVIDE BASE-1 AT ALL EXPOSED CONCRETE COLUMNS
101	LOBBY	FT-1/LVT-1	BASE-3	P-1/WB-1	P-1	P-1/P-3	P-1/P-3	P-1/P-3	SEE DRAWINGS FOR FLOOR AND PAINT LOCATIONS
102	OFFICE	CPT-2	BASE-1	P-1/P-3	P-1	P-1	P-1	P-1	SEE PLANS FOR PAINT LOCATIONS, PROVIDE BASE-1 AT ALL EXPOSED CONCRETE COLUMNS
103	RESTROOM	LVT-1	BASE-4	P-1	P-1	P-1	P-1	P-1	
104	VESTIBULE	CPT-3	BASE-1	P-1	P-1	P-1	P-1	P-1	
105	MAIL	LVT-1	BASE-3	P-3	P-3	P-3	--	P-1	
106	PACKAGE	LVT-1	BASE-1	P-1	P-1	P-1	P-1	P-1	PROVIDE BASE-1 AT ALL EXPOSED CONCRETE COLUMNS
107	STORAGE	EXPS	BASE-1	P-1	P-1	P-1	P-1	EXPS	
108	ELECTRICAL	EXPS	BASE-1	P-1	P-1	P-1	P-1	EXPS	
109	MAINTENANCE	LVT-1	BASE-1	P-1	P-1	P-1	P-1	EXPS	
110	VESTIBULE	CPT-3	BASE-1	P-1	P-1	P-1	P-1	P-1	
111	PARKING	EXPS	BASE-1	P-1	P-1	P-1	P-1	EXPS	
112	FIRE	EXPS	BASE-1	P-1	P-1	P-1	P-1	EXPS	
113	WASTE	EXPS	BASE-1	P-1	P-1	P-1	P-1	EXPS	
114	STORAGE	EXPS	BASE-1	P-1	P-1	P-1	P-1	EXPS	
E101	ELEV 1	LVP-1	SEE SPEC	SEE SPEC	SEE SPEC	SEE SPEC	SEE SPEC	SEE SPEC	
E102	ELEV 2	LVP-1	SEE SPEC	SEE SPEC	SEE SPEC	SEE SPEC	SEE SPEC	SEE SPEC	
S101	STAIR 1	LVP-1	BASE-1	P-1	P-1	P-1	P-1	EXPS	PAINT RAILINGS P-6
S102	STAIR 2	LVP-1	BASE-1	P-1	P-1	P-1	P-1	EXPS	PAINT RAILINGS P-6
LEVEL 2									
210	ELECTRICAL	CPT-1	BASE-1	P-1	P-1	P-1	P-1	P-1	
228	CORRIDOR	CPT-1/CPT-2	BASE-1/BASE-2	P-1/P-3/P-4	P-1/P-3/P-4	P-1/P-3/P-4	P-1/P-3/P-4	P-1/P-3	SEE DRAWINGS FOR WALL-BASE AND PAINT LOCATIONS
S201	STAIR 1	LVP-1	BASE-1	P-1	P-1	P-1	P-1	P-1	PAINT RAILINGS P-6
S202	STAIR 2	LVP-1	BASE-1	P-1	P-1	P-1	P-1	P-1	PAINT RAILINGS P-6
LEVEL 3									
310	ELECTRICAL	CPT-1	BASE-1	P-1	P-1	P-1	P-1	P-1	
328	CORRIDOR	CPT-1/CPT-2	BASE-1/BASE-2	P-1/P-3/P-4	P-1/P-3/P-4	P-1/P-3/P-4	P-1/P-3/P-4	P-1/P-3	SEE DRAWINGS FOR WALL-BASE AND PAINT LOCATIONS
S301	STAIR 1	LVP-1	BASE-1	P-1	P-1	P-1	P-1	P-1	PAINT RAILINGS P-6
S302	STAIR 2	LVP-1	BASE-1	P-1	P-1	P-1	P-1	P-1	PAINT RAILINGS P-6
LEVEL 4									
410	ELECTRICAL	CPT-1	BASE-1	P-1	P-1	P-1	P-1	P-1	
428	CORRIDOR	CPT-1/CPT-2	BASE-1/BASE-2	P-1/P-3/P-4	P-1/P-3/P-4	P-1/P-3/P-4	P-1/P-3/P-4	P-1/P-3	SEE DRAWINGS FOR WALL-BASE AND PAINT LOCATIONS
S401	STAIR 1	LVP-1	BASE-1	P-1	P-1	P-1	P-1	P-1	PAINT RAILINGS P-6
S402	STAIR 2	LVP-1	BASE-1	P-1	P-1	P-1	P-1	P-1	PAINT RAILINGS P-6
LEVEL 5									
441	CORRIDOR	CPT-1/CPT-2	BASE-1/BASE-2	P-1/P-3/P-4	P-1/P-3/P-4	P-1/P-3/P-4	P-1/P-3/P-4	P-1/P-3	SEE DRAWINGS FOR WALL-BASE AND PAINT LOCATIONS
510	ELECTRICAL	CPT-1	BASE-1	P-1	P-1	P-1	P-1	P-1	
528	CORRIDOR	CPT-1/CPT-2	BASE-1/BASE-2	P-1/P-3/P-4	P-1/P-3/P-4	P-1/P-3/P-4	P-1/P-3/P-4	P-1/P-3	SEE DRAWINGS FOR WALL-BASE AND PAINT LOCATIONS
S501	STAIR 1	LVP-1	BASE-1	P-1	P-1	P-1	P-1	P-1	PAINT RAILINGS P-6
S502	STAIR 2	LVP-1	BASE-1	P-1	P-1	P-1	P-1	P-1	PAINT RAILINGS P-6
B.O. TRUSS									
602	CONTROL ROOM	EXPS	BASE-1	P-1	P-1	P-1	P-1	P-1	
S601	STAIR 1	LVT-1	BASE-1	P-1	P-1	P-1	P-1	P-1	PAINT RAILINGS P-6

UNIT FINISH SCHEDULE

ROOM NAME	FLOOR	BASE	WALLS	CEILING	CASEWORK				NOTES
					UPPERS	LOWERS	BACKSPLASH	COUNTERTOP	
UNIT BATHROOM	LVP-1	BASE-4	P-7	P-7	--	TFL-2	QTZ-1	QTZ-1	
UNIT BEDROOM	LVP-1	BASE-2	P-7	P-7	--	--	--	--	WT-1 AT ALL WINDOWS
UNIT KITCHEN	LVP-1	BASE-2	P-7	P-7	TFL-1	TFL-2	QTZ-1	QTZ-1	WT-1 AT ALL WINDOWS
UNIT LIVING ROOM	LVP-1	BASE-2	P-7	P-7	--	--	--	--	WT-1 AT ALL WINDOWS

INTERIOR MATERIAL FINISH SUMMARY

BASE-1
RUBBER WALL BASE
MANUFACTURER: JOHNSONITE
SIZE/STYLE: 4" HIGH COVE
COLOR: 55 SILVER GRAY

BASE-2
PRIMED MDF BASEBOARD
STYLE: EASED EDGE
COLOR: PAINT TO MATCH WALL
SIZE: 4"

BASE-3
PRIMED MDF BASEBOARD
STYLE: EASED EDGE
COLOR: PAINT TO MATCH WALL
SIZE: 6"

BASE-4
PRIMED WOOD BASEBOARD
STYLE: EASED EDGE
COLOR: PAINT TO MATCH WALL
SIZE: 4"

CPT-1
FIELD CARPET
MANUFACTURER: INTERFACE CARPET
STYLE: OPEN AIR 403 STRIA
COLOR: 103260 NATURAL
SIZE: 50CM X 50CM
INSTALLATION: NON-DIRECTIONAL
CONTACT: KAREN.GILROY@INTERFACE.COM

CPT-2
ACCENT CARPET
MANUFACTURER: INTERFACE CARPET
STYLE: OPEN AIR 407
COLOR: 106942 CHARCOAL
SIZE: 25CM X 1M
LAYOUT: ASHLAR
CONTACT: KAREN.GILROY@INTERFACE.COM

CPT-3
WALK OFF CARPET
MANUFACTURER: INTERFACE CARPET
STYLE: SR699 STEP REPEAT
COLOR: 104931 GRANITE
SIZE: 50CM x 50CM
INSTALLATION: NON-DIRECTIONAL LAYOUT
CONTACT: KAREN.GILROY@INTERFACE.COM

LVP-1
LUXURY VINYL PLANK
MANUFACTURER: EVOKE FLOORING
STYLE: CITY BLOCK
COLOR: FLORIST
SIZE: 7" x 48" x 3.5mm
INSTALLATION: SEE PLANS FOR PLANK DIRECTION
COMMENTS: 12MM WEAR LAYER, CITY BLOCK + CITY CENTER
STYLE WITH FACTORY APPLIED ACOUSTIC PAD
CONTACT: RICHARDB@METROFLOORS.COM

LVT-1
LUXURY VINYL TILE
MANUFACTURER: TILE BAR
STYLE: ANGELA HARRIS INSPIRA OXIDE
SIZE: 12" X 24" X 5MM
INSTALLATION: RIGID CORES CLICK
COLOR: DARK GREY
LAYOUT: STAGGERED
CONTACT: JLANG@TILEBAR.COM

P-1
INTERIOR PAINT
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW 9166 DRIFT OF MIST
COMMENTS:

P-2
INTERIOR PAINT
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW 6062 VINTAGE LEATHER
COMMENTS:

P-3
INTERIOR PAINT
MANUFACTURER: BENJAMIN MOORE
COLOR: HC-121 PEALE GREEN
COMMENTS:

P-4
INTERIOR PAINT
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW 7048 URBAN BRONZE
COMMENTS:

P-5
INTERIOR / EXTERIOR PAINT
MANUFACTURER: SHERWIN WILLIAMS
COLOR: 7075 WEB GRAY
COMMENTS:

P-6
INTERIOR / EXTERIOR PAINT
MANUFACTURER: SHERWIN WILLIAMS
COLOR: 7069 IRON ORE
COMMENTS:

P-7
INTERIOR PAINT
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW 7008 ALABASTER
COMMENTS:

P-8
INTERIOR PAINT
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW 6258 TRICORN BLACK
COMMENTS:

HPC-6
HIGH PERFORMANCE COATING
COLOR: SHERWIN WILLIAMS 7069 IRON ORE

HPC-8
HIGH PERFORMANCE COATING
COLOR: SHERWIN WILLIAMS 6258 TRICORN BLACK

QTZ-1
QUARTZ SLAB
MANUFACTURER: LANZ CABINETS
STYLE: 2 CM COUNTERTOP
COLOR: CASCADE WHITE
INSTALLATION: NO SUB-TOP
COMMENTS: EASED EDGE

RF-1
RUBBER FLOOR
MANUFACTURER: RUBBER FLOORING INC
STYLE: 8MM STRONG RUBBER ROLLS
COLOR: GRAY - 10%
SIZE: 4FT WIDE ROLLS
INSTALLATION: GLUE DOWN

FT-1
PORCELAIN TILE
MANUFACTURER: TILE BAR
STYLE: KOBE CEMENT
COLOR: CHARCOAL GREY
SIZE: 24" X 48" X 5MM
INSTALLATION: STACK BOND, 1/8" GROUT JOINT
COMMENTS: CUSTOM # 19 PEWTER GROUT
CONTACT: JLANG@TILEBAR.COM

WB-1
GLAZED BRICK TILE
MANUFACTURER: FIRECLAY TILE
SIZE: 2.5X8 BRICK
COLOR: ABSAROKA
INSTALLATION: STACK BOND, 1/8" GROUT JOINT
COMMENTS: CUSTOM #370 DOVE GRAY GROUT

TFL-1
THERMALLY FUSED LAMINATE
MANUFACTURER: LANZ CABINET
COLOR: WHITE

TFL-2
THERMALLY FUSED LAMINATE
MANUFACTURER: LANZ CABINET
COLOR: LIGHT GRAY

WT-1
WINDOW TREATMENT - MANUALLY OPERATED SHADES
COLOR: WHITE
INSTALLATION: INSIDE MOUNT, EXPOSED ROLL

C2K ARCHITECTURE
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PORTLAND OREGON 97209
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PUYALLUP BELL PLACE

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11707 REGISTERED ARCHITECT John R. Wiehl STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
INTERIOR FINISH SCHEDULE

SHEET NO.:
A700

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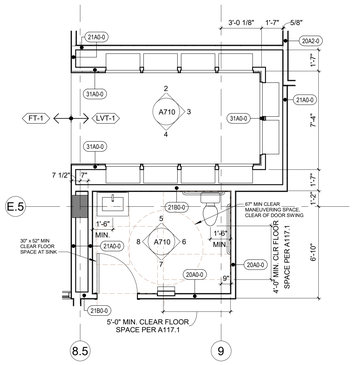
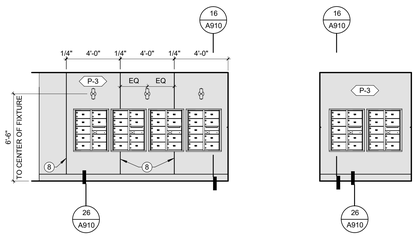


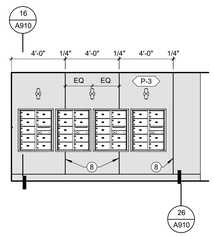
1 A710 ENLARGED PLAN - L1 RESTROOM & MAIL
1/4" = 1'-0"

Demonstrate compliance with reach ranges for mailboxes that serve the type A and B units. (Construction Set, Sheet A710)

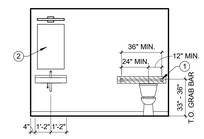


2 A710 ELEVATION - MAIL - NORTH WALL
1/4" = 1'-0"

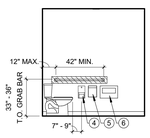
3 A710 ELEVATION - MAIL - EAST WALL
1/4" = 1'-0"



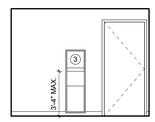
4 A710 ELEVATION - MAIL - SOUTH WALL
1/4" = 1'-0"



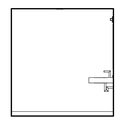
5 A710 ELEVATION - RR - NORTH WALL
1/4" = 1'-0"



6 A710 ELEVATION - RR - EAST WALL
1/4" = 1'-0"



7 A710 ELEVATION - RR - SOUTH WALL
1/4" = 1'-0"



8 A710 ELEVATION - RR -WEST WALL
1/4" = 1'-0"

9 A710 ELEVATION - LOBBY - NORTH WALL
1/4" = 1'-0"

10 A710 ELEVATION - LOBBY - EAST WALL
1/4" = 1'-0"

11 A710 ELEVATION - LOBBY - SOUTH WALL
1/4" = 1'-0"

12 A710 ELEVATION - LOBBY- WEST WALL
1/4" = 1'-0"

13 A710 ELEVATION - LOBBY- WEST WALL 2
1/4" = 1'-0"

KEYNOTES - INTERIOR ELEVATIONS

1	GRAB BARS WITH REINFORCEMENT
2	MIRROR
3	SEMI-RECESSED PAPER TOWEL DISPENSER AND WASTE RECEPTACLE, REFER TO G110 FOR MOUNTING HEIGHTS
4	SURFACE-MOUNTED TOILET TISSUE DISPENSER, REFER TO G110 FOR MOUNTING HEIGHTS
5	SURFACE-MOUNTED SANITARY NAPKIN DISPENSER, REFER TO G110 FOR MOUNTING HEIGHTS
6	SURFACE-MOUNTED TOILET SEAT COVER, REFER TO G110 FOR MOUNTING HEIGHTS
7	1/4" GYPSUM BOARD REVEAL
8	1/4" MDF REVEAL
9	ALIGN
10	UNIT SIGNAGE WITH INTEGRATED LIGHT, REFER TO G110 FOR MOUNTING HEIGHTS AND LOCATIONS.

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11707 REGISTERED ARCHITECT John R. Wright STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
ENLARGED PLANS & INTERIOR ELEVATIONS - LEVEL 1

SHEET NO.:
A710

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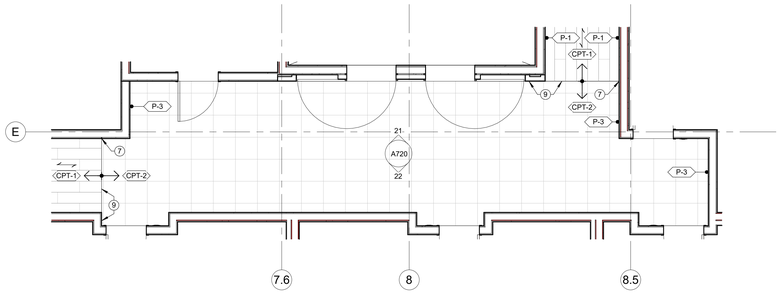
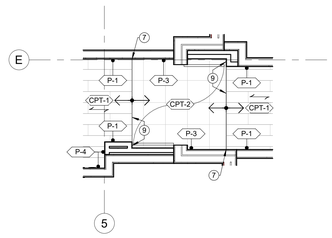
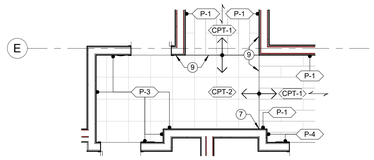


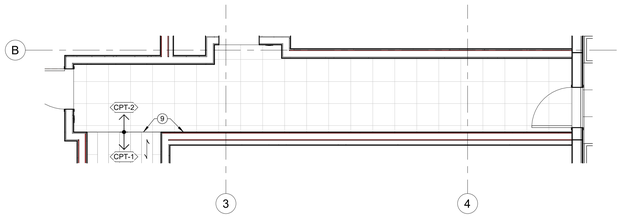
01 A720 ENLARGED PLAN L2-5 - ELEVATOR LOBBY - 1/4"
1/4" = 1'-0"



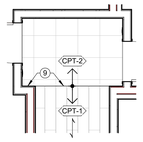
03 A720 ENLARGED PLAN L2-5 - HORIZONTAL EXIT - 1/4"
1/4" = 1'-0"



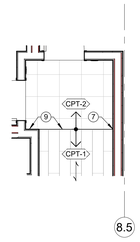
04 A720 ENLARGED PLAN L2-5 - SOUTHWEST CORRIDOR - 1/4"
1/4" = 1'-0"



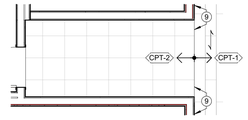
11 A720 ENLARGED PLAN L2 - WEST COURTYARD CORRIDOR - 1/4"
1/4" = 1'-0"



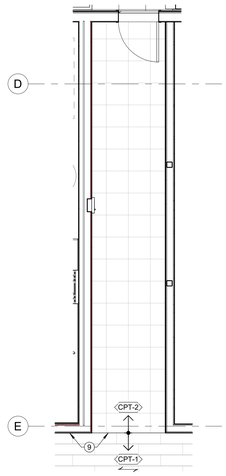
13 A720 ENLARGED PLAN L3-5 - NORTHWEST CORRIDOR - 1/4"
1/4" = 1'-0"



14 A720 ENLARGED PLAN L2-5 - NORTHEAST CORRIDOR - 1/4"
1/4" = 1'-0"



15 A720 ENLARGED PLAN L2-5 - STAIR 2 CORRIDOR - 1/4"
1/4" = 1'-0"



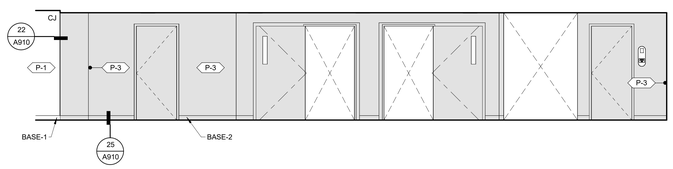
16 A720 ENLARGED PLAN L2 - SOUTH COURTYARD CORRIDOR - 1/4"
1/4" = 1'-0"

GENERAL NOTES - INTERIOR ELEVATIONS

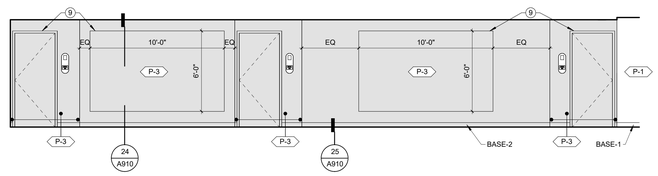
1. PAINT ALL WALLS IN CONTACT WITH ACCENT CARPET (CPT-2) IN ACCENT PAINT COLOR (P-3).
2. IN CORRIDORS; P-1 AND P-4 WALLS TO RECEIVE BASE-1. P-3 WALLS TO RECEIVE BASE-2, U.O.N..

(#) KEYNOTES - INTERIOR ELEVATIONS

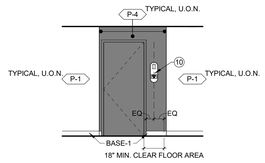
1 GRAB BARS WITH REINFORCEMENT
2 MIRROR
3 SEMI-RECESSED PAPER TOWEL DISPENSER AND WASTE RECEPTACLE, REFER TO G110 FOR MOUNTING HEIGHTS
4 SURFACE-MOUNTED TOILET TISSUE DISPENSER, REFER TO G110 FOR MOUNTING HEIGHTS
5 SURFACE-MOUNTED SANITARY NAPKIN DISPENSER, REFER TO G110 FOR MOUNTING HEIGHTS
6 SURFACE-MOUNTED TOILET SEAT COVER, REFER TO G110 FOR MOUNTING HEIGHTS
7 1/4" GYPSUM BOARD REVEAL
8 1/4" MDF REVEAL
9 ALIGN
10 UNIT SIGNAGE WITH INTEGRATED LIGHT, REFER TO G110 FOR MOUNTING HEIGHTS AND LOCATIONS.



21 A720 ELEVATION - TYP. ELEVATOR LOBBY - NORTH WALL
1/4" = 1'-0"



22 A720 ELEVATION - TYP. ELEVATOR LOBBY - SOUTH WALL
1/4" = 1'-0"



23 A720 ELEVATION - TYP UNIT ENTRY
1/4" = 1'-0"

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION: DESCRIPTION:

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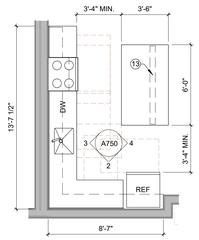
BUILDING PERMIT SET

11707 REGISTERED ARCHITECT
JOHN R. WRIGHT
STATE OF WASHINGTON

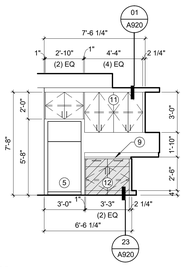
SHEET TITLE:
FINISH FLOOR PLANS & INTERIOR ELEVATIONS- LEVELS 2-5

SHEET NO.:
A720

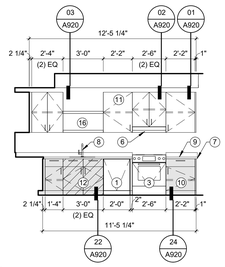
C:\Revit_Local\25129 Puyallup Bell Place-2025-CENTRAL_jseymour_c2k.rvt
3/18/2026 3:54:36 PM



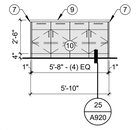
1 A750 ENLARGED PLAN - KITCHEN 2 - TYPE A
1/4" = 1'-0"



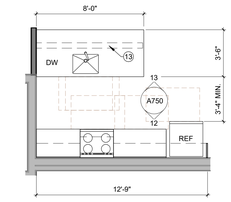
2 A750 ELEVATION - KITCHEN 2 - FRIDGE WALL
1/4" = 1'-0"



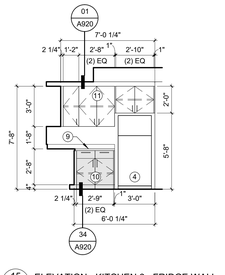
3 A750 ELEVATION - KITCHEN 2 - SINK WALL
1/4" = 1'-0"



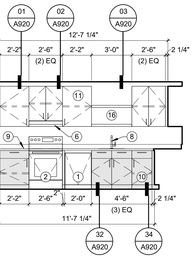
4 A750 ELEVATION - KITCHEN 2 - ISLAND
1/4" = 1'-0"



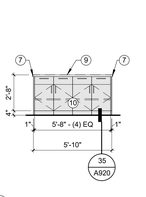
5 A750 ENLARGED PLAN - KITCHEN 3B - TYPE A
1/4" = 1'-0"



6 A750 ELEVATION - KITCHEN 3B - FRIDGE WALL
1/4" = 1'-0"

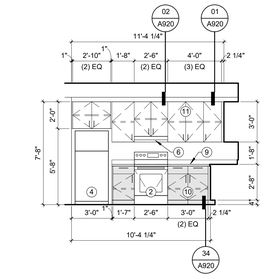


7 A750 ELEVATION - KITCHEN 3B - SINK WALL
1/4" = 1'-0"



8 A750 ELEVATION - KITCHEN 3B - PENINSULA
1/4" = 1'-0"

9 A750 ENLARGED PLAN - KITCHEN 4
1/4" = 1'-0"



10 A750 ELEVATION - KITCHEN 4
1/4" = 1'-0"

11 A750 ENLARGED PLAN - KITCHEN 5
1/4" = 1'-0"

12 A750 ELEVATION - KITCHEN 5 - FRIDGE WALL
1/4" = 1'-0"

13 A750 ELEVATION - KITCHEN 5 - ISLAND
1/4" = 1'-0"

14 A750 ENLARGED PLAN - KITCHEN 6
1/4" = 1'-0"

15 A750 ELEVATION - KITCHEN 6 - FRIDGE WALL
1/4" = 1'-0"

16 A750 ELEVATION - KITCHEN 6 - SINK WALL
1/4" = 1'-0"

17 A750 ELEVATION - KITCHEN 6 - ISLAND
1/4" = 1'-0"

18 A750 ENLARGED PLAN - KITCHEN 7A
1/4" = 1'-0"

19 A750 ELEVATION - KITCHEN 7A - FRIDGE WALL
1/4" = 1'-0"

20 A750 ELEVATION - KITCHEN 7A - SINK WALL
1/4" = 1'-0"

21 A750 ELEVATION - KITCHEN 7A - PENINSULA
1/4" = 1'-0"

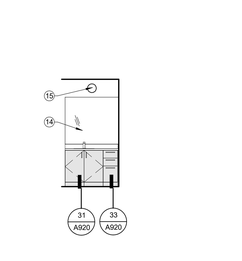
22 A750 ENLARGED PLAN - KITCHEN 7B
1/4" = 1'-0"

23 A750 ELEVATION - KITCHEN 7B - FRIDGE WALL
1/4" = 1'-0"

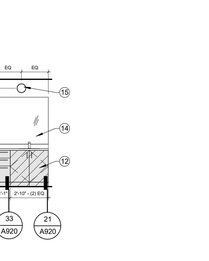
25 A750 ELEVATION - KITCHEN 7B - SINK WALL
1/4" = 1'-0"

24 A750 ELEVATION - KITCHENN
1/4" = 1'-0"

26 A750 ENLARGED PLAN - KITCHEN 8
1/4" = 1'-0"



27 A750 ELEVATION - KITCHEN 8 - SINK WALL
1/4" = 1'-0"



28 A750 ELEVATION - KITCHEN 8 - RANGE WALL
1/4" = 1'-0"

29 A750 ELEVATION - KITCHEN 8 - PENINSULA
1/4" = 1'-0"

31 A750 ELEVATION - TYPE B VANITY
1/4" = 1'-0"

30 A750 ELEVATION - TYPE A VANITY
1/4" = 1'-0"

KEYNOTES - UNIT INTERIOR ELEVATIONS

1	DISHWASHER
2	FREE-STANDING RANGE
3	ANSI-A COMPLIANT FREE STANDING RANGE. PROVIDE FRONT PANEL CONTROLS THAT DO NOT REQUIRE REACHING ACROSS BURNERS PER ANSI 1103.12.5.5.4.
4	REFRIGERATOR
5	ANSI-A COMPLIANT FREE-STANDING REFRIGERATOR W/ TOP FREEZER. ENSURE AT LEAST 50% OF THE FREEZER COMPARTMENT SHELVES INCLUDING THE BOTTOM OF THE FREEZER ARE 54" MAXIMUM ABOVE THE FLOOR WHEN THE SHELVES ARE INSTALLED AT THE MAX HEIGHTS IN THE COMPARTMENT PER ANSI 1103.12.5.6.
6	HOOD, PROVIDE REMOTE OPERATING SWITCH FOR RANGE HOOD, LOCATE MAX 44" AFF AND 25" MAX FROM EDGE OF THE COUNTERTOP PER ANSI 308.2.2.
7	OVERHANG COUNTERTOP 1" BEYOND F.O. CABINET.
8	SINK FAUCET
9	COUNTERTOP W/ BACKSPLASH
10	BASE CABINET W/ ADJUSTABLE SHELVES
11	WALL CABINET W/ ADJUSTABLE SHELVES
12	REMOVABLE BASE CABINET, PROVIDE 30" MIN CLEAR WITH INSIDE FOR FORWARD APPROACH AND PROVIDE FINISHED CASEWORK SINK SKIRT AT PLUMBING FIXTURES.
13	WOOD FRAMED WALL BELOW ISLAND, SEE FLOOR PLANS FOR WALL TYPE AND DIMENSIONS
14	MIRROR
15	VANITY LIGHT CENTER OVER MIRROR, SEE ELECTRICAL
16	OPEN SHELVING

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
BUILDING PERMIT SET
REVISION: DESCRIPTION:

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11707 REGISTERED ARCHITECT JOHN R. WRIGHT STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
ENLARGED PLANS & INTERIOR ELEVATIONS - UNITS

SHEET NO.:
A750

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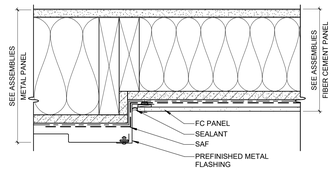
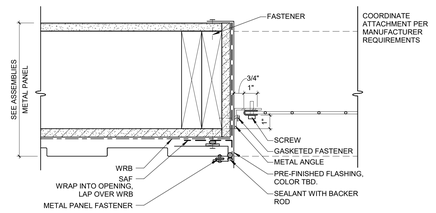
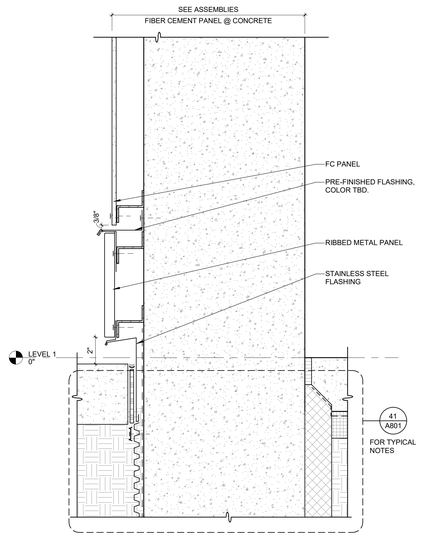


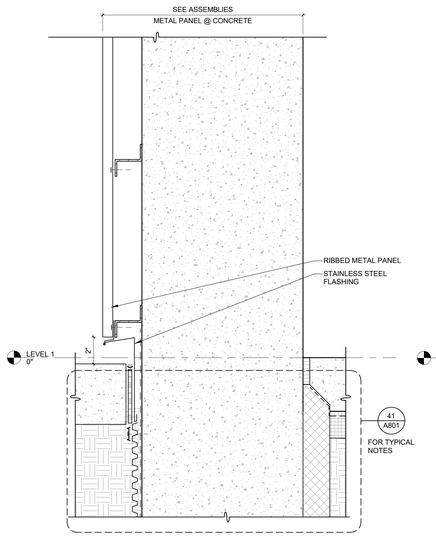
04 A801 HORIZONTAL TRANSITION - METAL PANEL / RECESSED FIBER CEMENT PANEL - PLAN
3" = 1'-0"



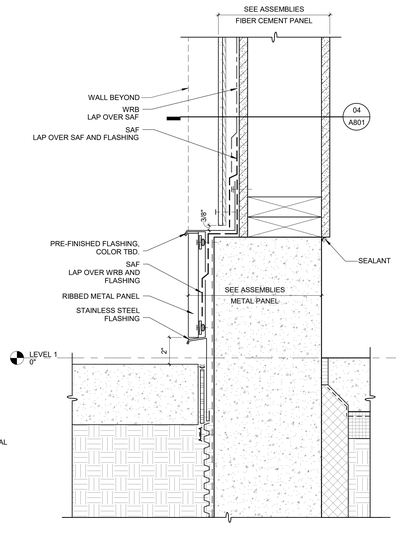
05 A801 HORIZONTAL TRANSITION - OPENING / METAL PANEL - PLAN
3" = 1'-0"



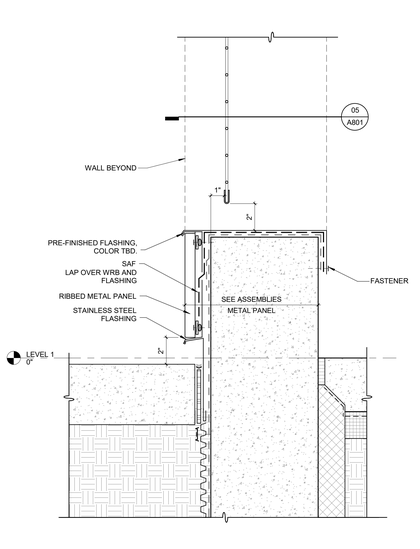
21 A801 BASE @ FIBER CEMENT PANEL - CONCRETE WALL - SECTION
3" = 1'-0"



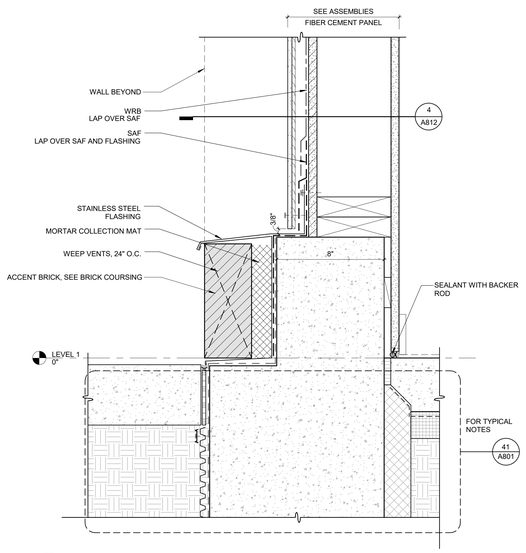
22 A801 BASE @ METAL PANEL - CONCRETE WALL - SECTION
3" = 1'-0"



24 A801 BASE @ FIBER CEMENT PANEL - RECESSED - SECTION
3" = 1'-0"



25 A801 BASE @ WIRE MESH - METAL PANEL - SECTION
3" = 1'-0"



26 A801 BASE @ BRICK / FIBER CEMENT PANEL - RECESSED - SECTION
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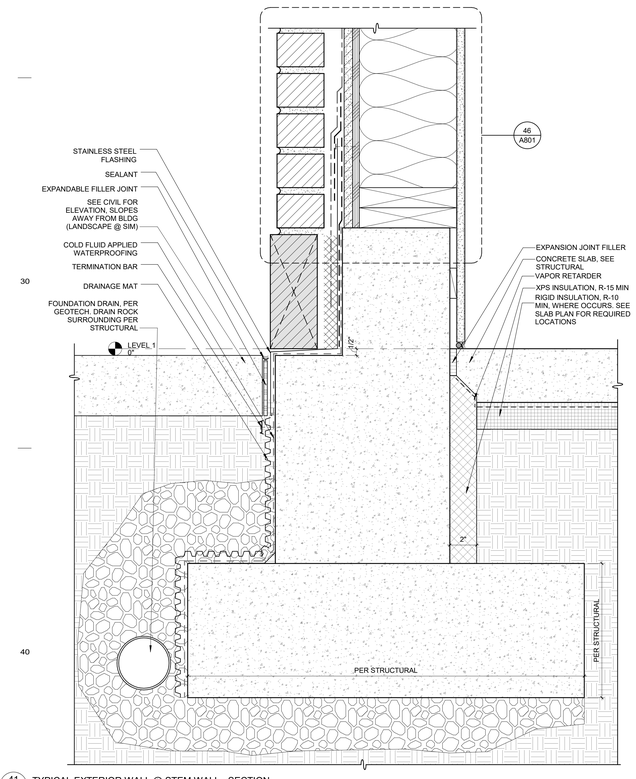
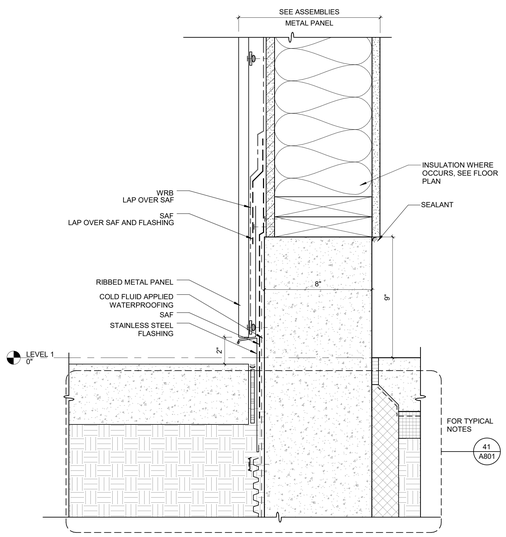
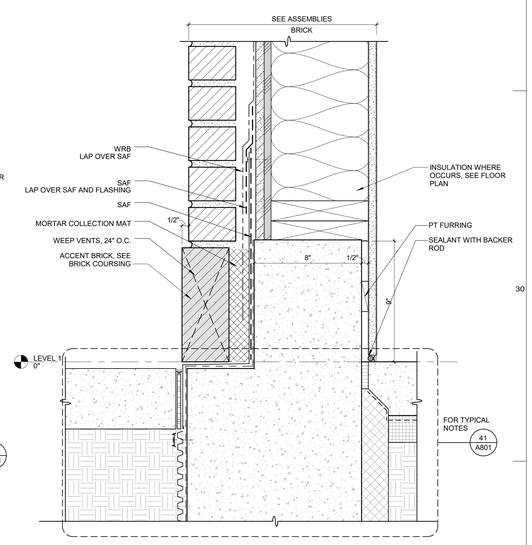


41 A801 TYPICAL EXTERIOR WALL @ STEM WALL - SECTION
3" = 1'-0"



45 A801 BASE @ METAL PANEL - SECTION
3" = 1'-0"



46 A801 BASE @ BRICK - SECTION
3" = 1'-0"

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
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BUILDING PERMIT SET

11707 REGISTERED ARCHITECT JOHN R. WOOD STATE OF WASHINGTON

SHEET TITLE:
EXTERIOR DETAILS - BASE

SHEET NO.:
A801

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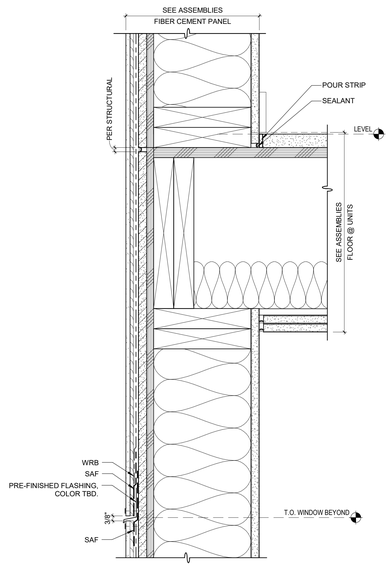
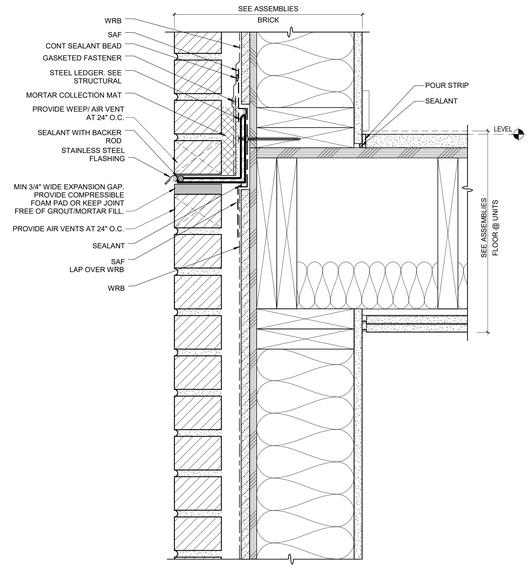
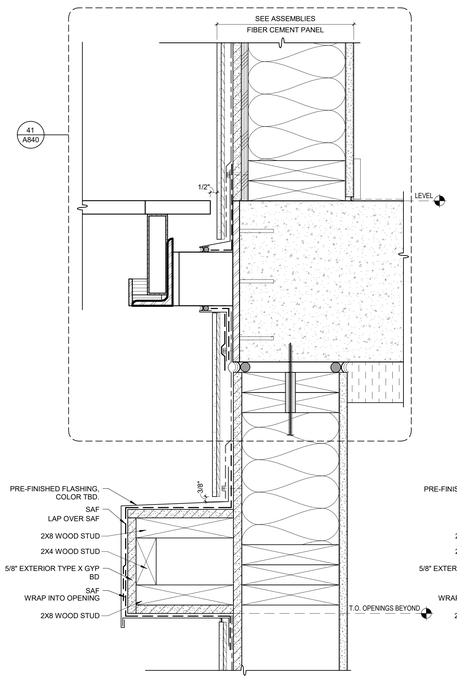
C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200



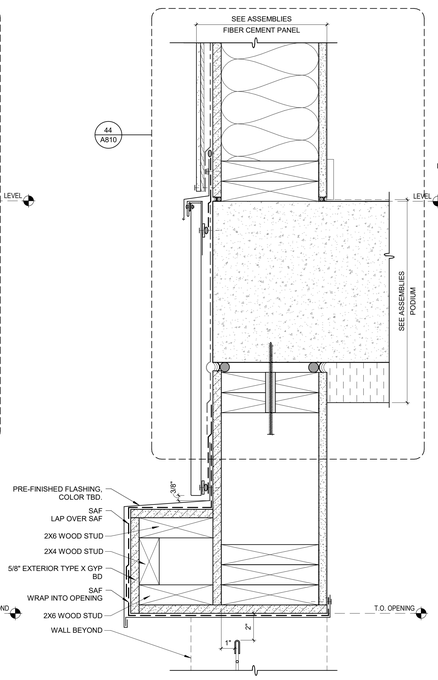
24 A810 L3-5 FLOOR ASSEMBLY @ FIBER CEMENT PANEL - SECTION
3" = 1'-0"



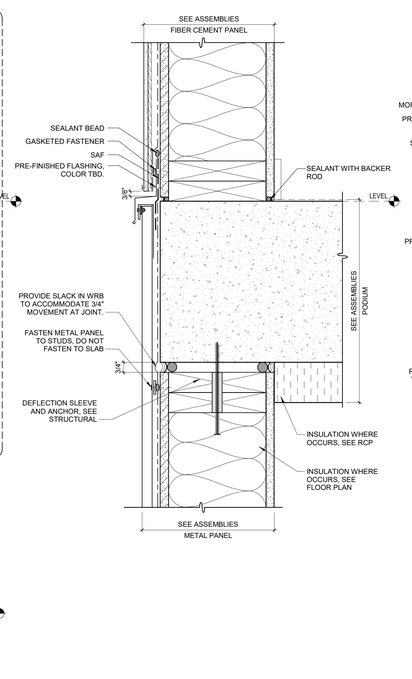
26 A810 L3-5 FLOOR ASSEMBLY @ BRICK - SECTION
3" = 1'-0"



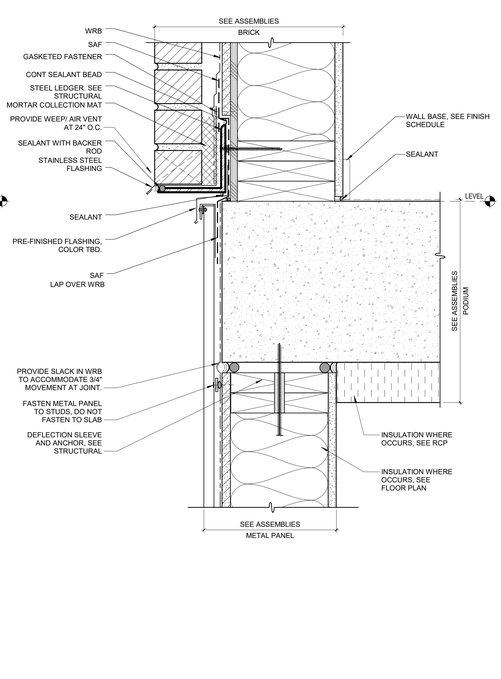
42 A810 L2 PODIUM @ FIBER CEMENT PANEL MURAL - SECTION
3" = 1'-0"



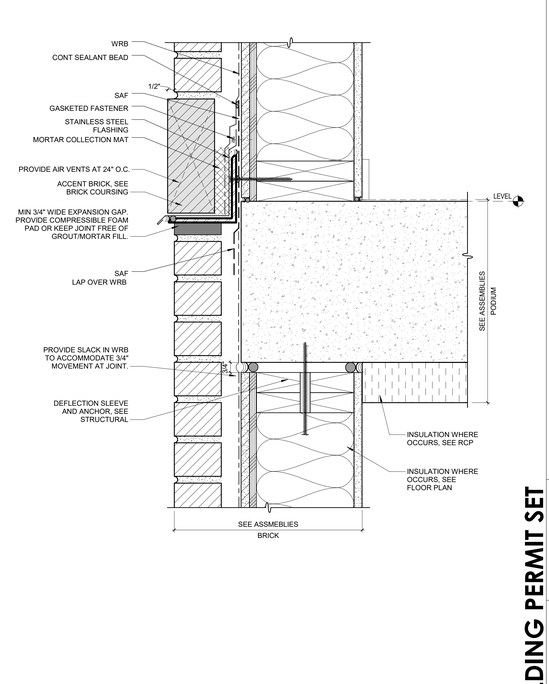
43 A810 L2 PODIUM @ METAL PANEL - WIRE MESH OPENING - SECTION
3" = 1'-0"



44 A810 L2 PODIUM @ FIBER CEMENT PANEL / METAL PANEL TRANSITION - SECTION
3" = 1'-0"



45 A810 L2 PODIUM @ BRICK / METAL PANEL TRANSITION - SECTION
3" = 1'-0"



46 A810 L2 PODIUM @ BRICK - SECTION
3" = 1'-0"

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

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PUYALLUP, WA 98371

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11707
REGISTERED ARCHITECT
JOHN R. WHOM
STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
EXTERIOR DETAILS - WALL

SHEET NO.:
A810

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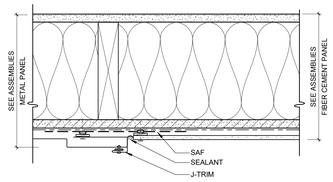
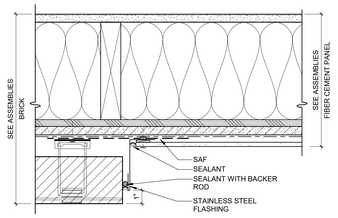
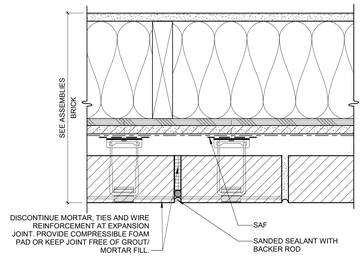


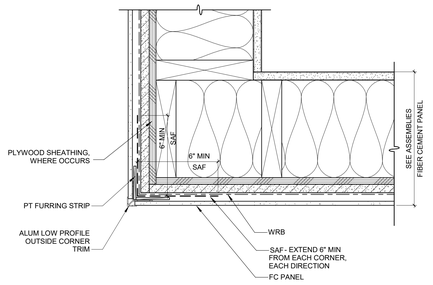
2 A812 HORIZONTAL TRANSITION - METAL PANEL / FIBER CEMENT PANEL - PLAN
3" = 1'-0"



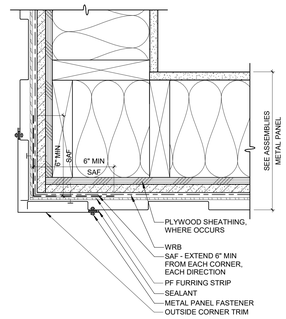
4 A812 HORIZONTAL TRANSITION - BRICK / FIBER CEMENT PANEL - PLAN
3" = 1'-0"



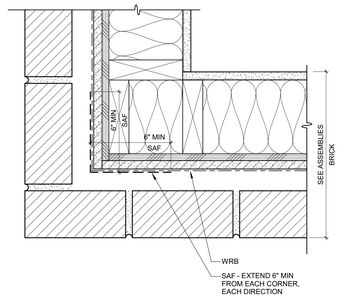
6 A812 BRICK - VERTICAL EXPANSION JOINT - PLAN
3" = 1'-0"



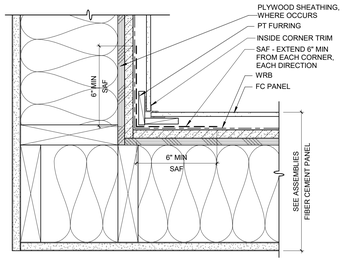
14 A812 EXTERIOR CORNER - FIBER CEMENT PANEL - PLAN
3" = 1'-0"



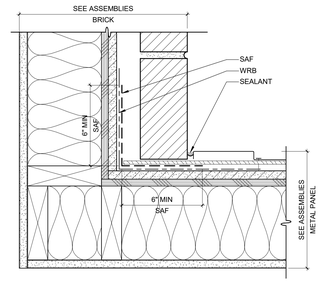
15 A812 EXTERIOR CORNER - METAL PANEL - PLAN
3" = 1'-0"



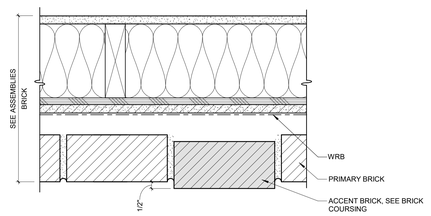
16 A812 EXTERIOR CORNER - BRICK - PLAN
3" = 1'-0"



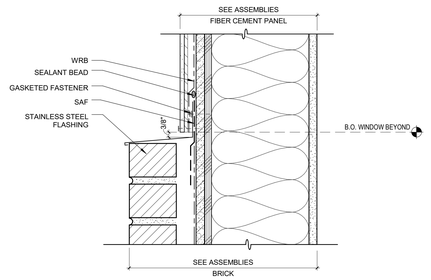
24 A812 INTERIOR CORNER - FIBER CEMENT PANEL - PLAN
3" = 1'-0"



25 A812 INTERIOR CORNER - BRICK / METAL PANEL - PLAN
3" = 1'-0"



36 A812 VERTICAL ACCENT BRICK - PLAN
3" = 1'-0"



46 A812 FIBER CEMENT PANEL TO BRICK TRANSITION - SECTION
3" = 1'-0"

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
BUILDING PERMIT SET

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11707 REGISTERED ARCHITECT JOHN R. WRIGHT STATE OF WASHINGTON

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SHEET TITLE:
EXTERIOR DETAILS - WALL

SHEET NO.:
A812

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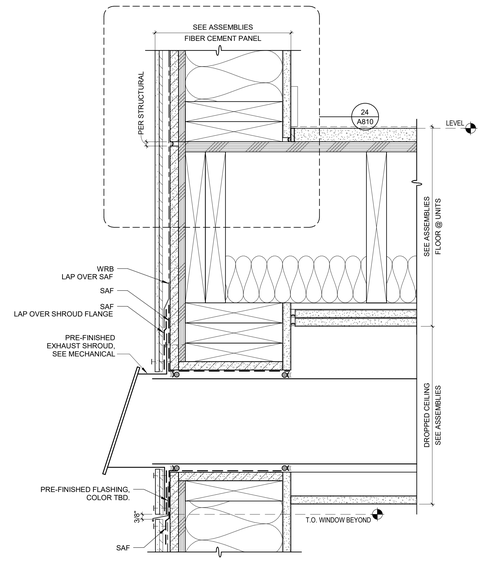
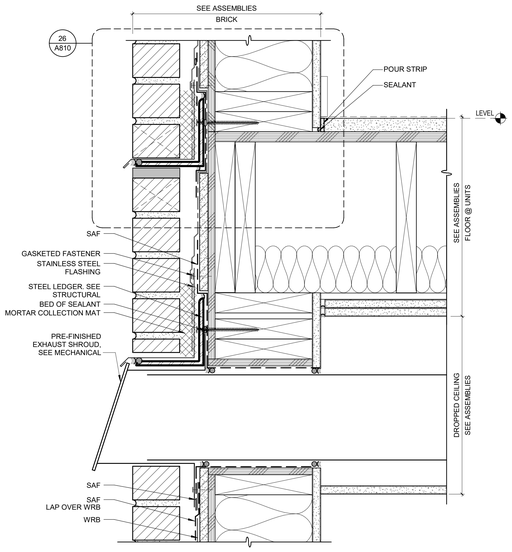
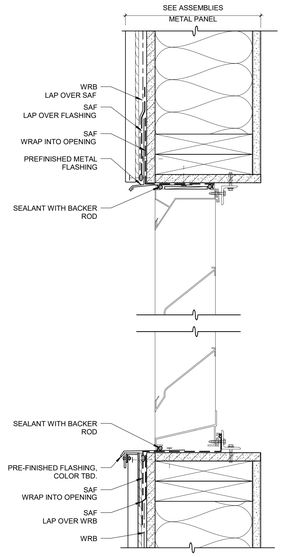


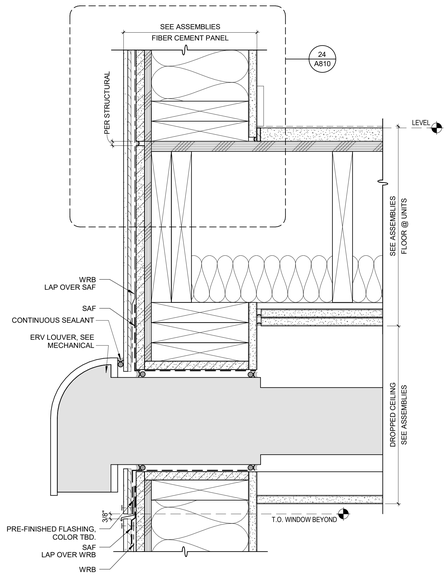
24 A813 UNIT EXHAUST LOUVER @ FIBER CEMENT PANEL - SECTION
3" = 1'-0"



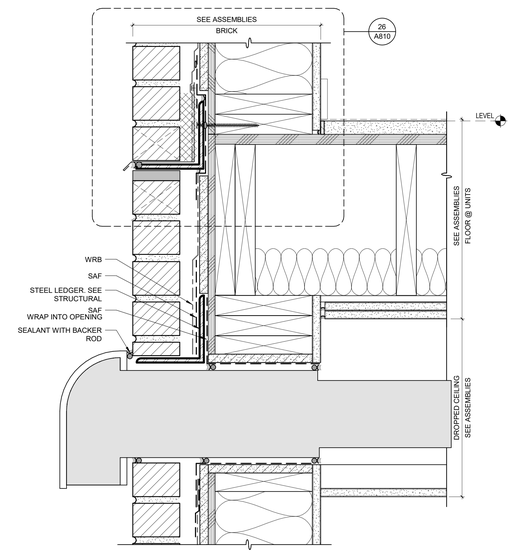
26 A813 UNIT EXHAUST LOUVER @ BRICK - SECTION
3" = 1'-0"



42 A813 MECHANICAL LOUVER @ METAL PANEL - SECTION
3" = 1'-0"



44 A813 UNIT ERV LOUVER @ FIBER CEMENT PANEL - SECTION
3" = 1'-0"



46 A813 UNIT ERV LOUVER @ BRICK - SECTION
3" = 1'-0"

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SHEET TITLE:
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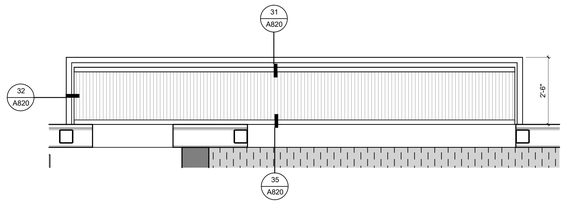
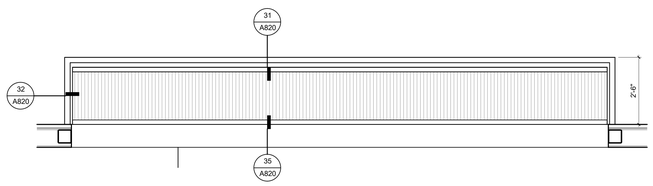
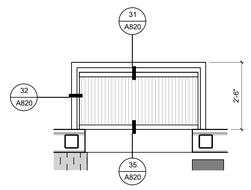


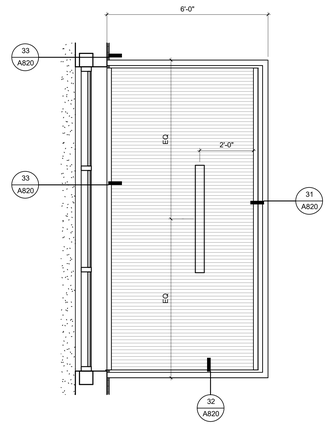
1 A820 ENLARGED RCP - WASTE ROOM CANOPY
1/2" = 1'-0"



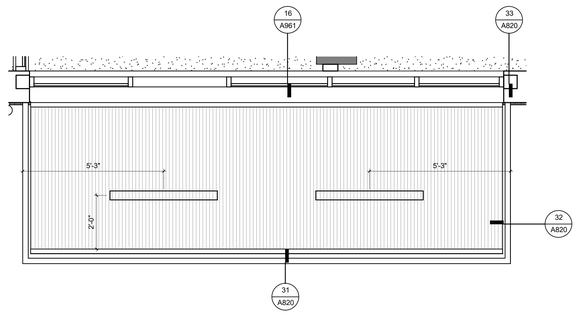
2 A820 ENLARGED RCP - GARAGE OVERHEAD DOOR CANOPY
1/2" = 1'-0"



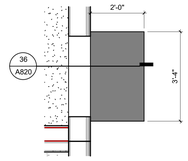
3 A820 ENLARGED RCP - NORTH DOOR CANOPY
1/2" = 1'-0"



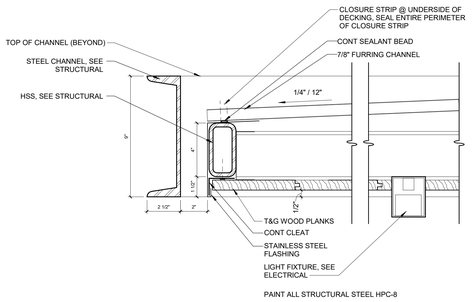
4 A820 ENLARGED RCP - TYPICAL LEVEL 1 CANOPY
1/2" = 1'-0"



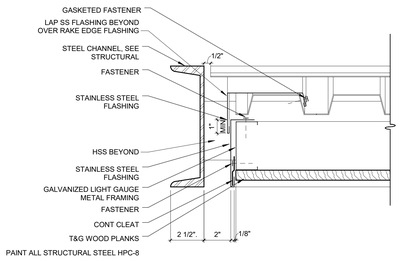
5 A820 ENLARGED RCP - LEVEL 1 ENTRY CANOPY
1/2" = 1'-0"



6 A820 ENLARGED RCP - TYPICAL COURTYARD BENT PLATE CANOPY
1/2" = 1'-0"



31 A820 CANOPY @ FRONT EDGE
3" = 1'-0"



32 A820 CANOPY @ RAKE EDGE - SECTION
3" = 1'-0"

33 A820 CANOPY @ BRICK KNIFE PLATE - SECTION
3" = 1'-0"

35 A820 CANOPY @ METAL PANEL KNIFE PLATE - SECTION
3" = 1'-0"

36 A820 CANOPY - BENT PLATE @ FIBER CEMENT PANEL - SECTION
3" = 1'-0"

STEP 1
- CREATE TWO METAL FLASHING PIECES WITH FULLY SOLDERED FLANGES
- SLOPE TOP OF HORIZONTAL M-2 FLANGE TO DRAIN AWAY FROM BUILDING
- FLANGE LENGTH TO EXTEND FLUSH WITH EXTERIOR FINISH

STEP 2
- LAP LOWER FLASHING (M-1) UNDER UPPER FLASHING (M-2) WITH THE FLANGE OF M-1 SLIDING INSIDE THE FLANGE OF M-2
- FULLY SOLDER M-1 AND M-2 TOGETHER

STEP 3
- PROVIDE SEALANT AND BACKER ROD BETWEEN KNIFE PLATE AND FLASHING AROUND ALL SIDES

STEP 4
- APPLY SAF 12" STRIPS IN ASCENDING ORDER

STEP 5
- LAP WRB OVER SAF-4
- APPLY EXT FINISH PER DETAILS

45 A820 COLLAR FLASHING @ KNIFE PLATE
1 1/2" = 1'-0"

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
BUILDING PERMIT SET
REVISION: DESCRIPTION:

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11707 REGISTERED ARCHITECT
JOHN R. WUNN
STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
EXTERIOR DETAILS - CANOPIES

SHEET NO.:
A820

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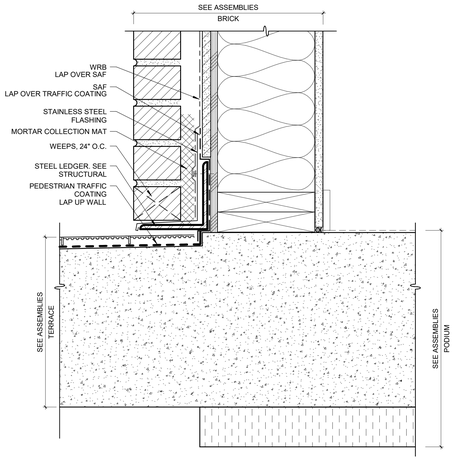
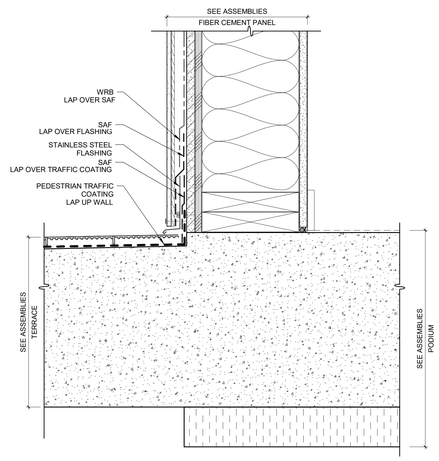
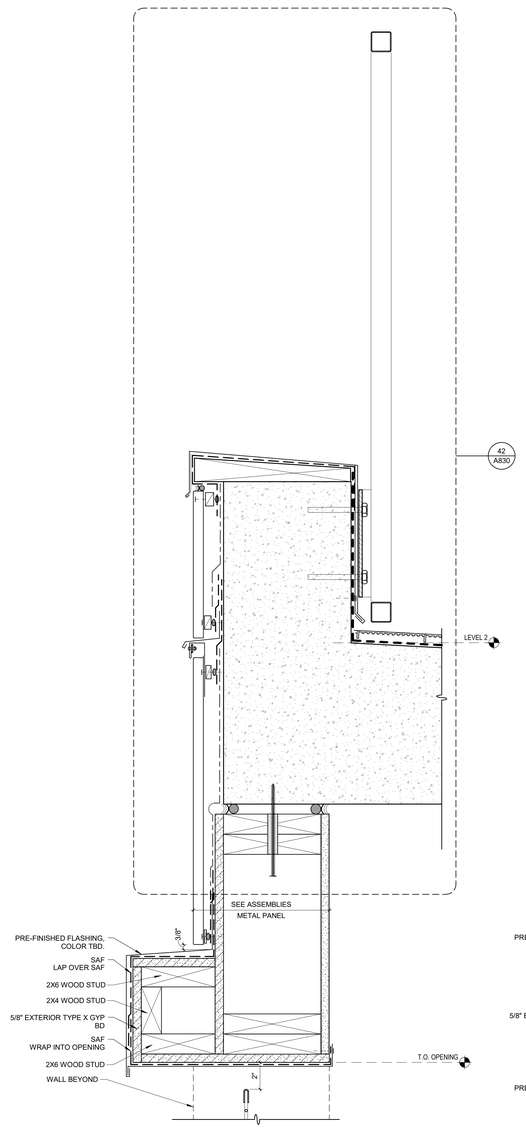


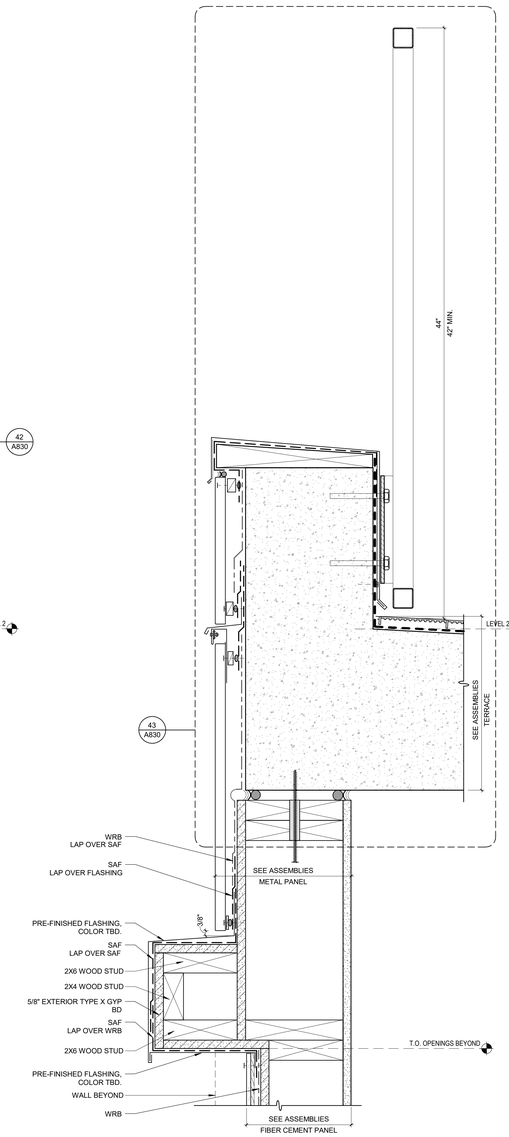
11 A830 BRICK @ L2 TERRACE - SECTION
3" = 1'-0"



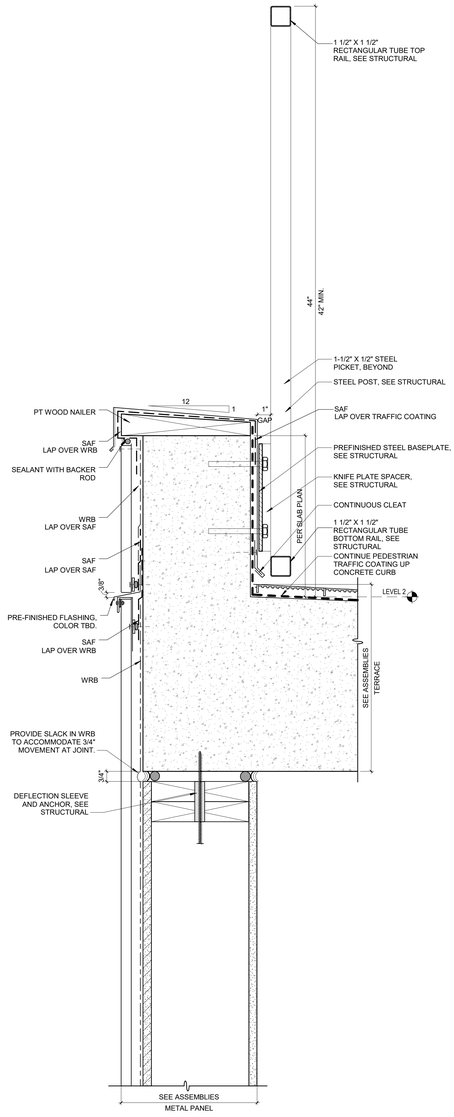
12 A830 FIBER CEMENT @ L2 TERRACE - SECTION
3" = 1'-0"



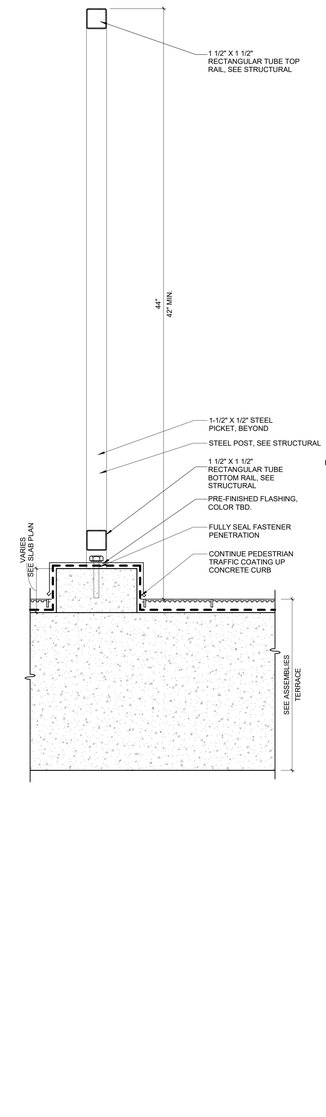
1 A830 L2 TERRACE RAILING @ WIRE MESH OPENING - SECTION
3" = 1'-0"



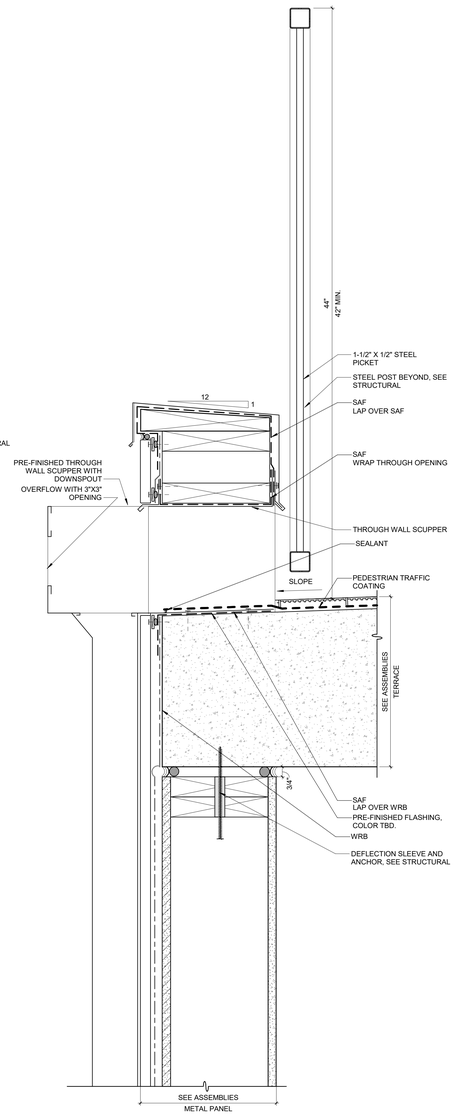
42 A830 L2 TERRACE RAILING @ FIBER CEMENT PANEL - RECESSED - SECTION
3" = 1'-0"



43 A830 L2 TERRACE RAILING @ METAL PANEL - SECTION
3" = 1'-0"



45 A830 L2 TERRACE - EDGE OF RAILING - SECTION
3" = 1'-0"



46 A830 L2 TERRACE - DOWNSPOUT AND SCUPPER - SECTION
3" = 1'-0"

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1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

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11707 REGISTERED ARCHITECT John R. Wright STATE OF WASHINGTON

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SHEET TITLE:
EXTERIOR DETAILS - TERRACE

SHEET NO.:
A830

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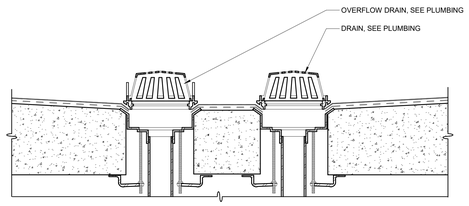
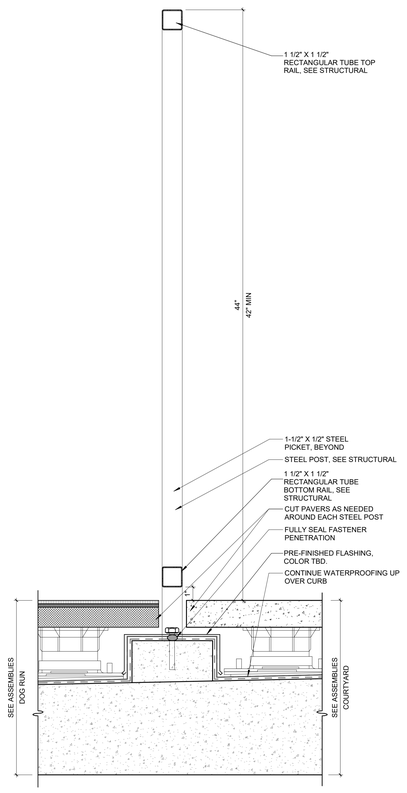
31 / A835 LEVEL 2 COURTYARD - DRAIN AND OVERFLOW - PLAN
3/4" = 1'-0"

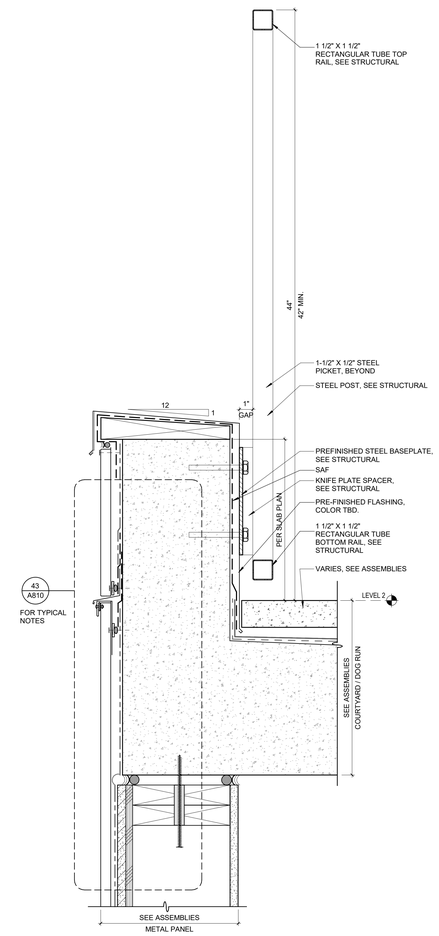


41 / A835 LEVEL 2 COURTYARD - DRAIN AND OVERFLOW - SECTION
1 1/2" = 1'-0"

43 / A835 FIBER CEMENT @ LEVEL 2 COURTYARD - SECTION
3" = 1'-0"



45 / A835 RAILING @ DOG RUN / COURTYARD - LEVEL 2 - SECTION
3" = 1'-0"



46 / A835 RAILING @ METAL PANEL - DOG RUN / COURTYARD - LEVEL 2 - SECTION
3" = 1'-0"

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SHEET TITLE:
EXTERIOR DETAILS - COURTYARD

SHEET NO.:
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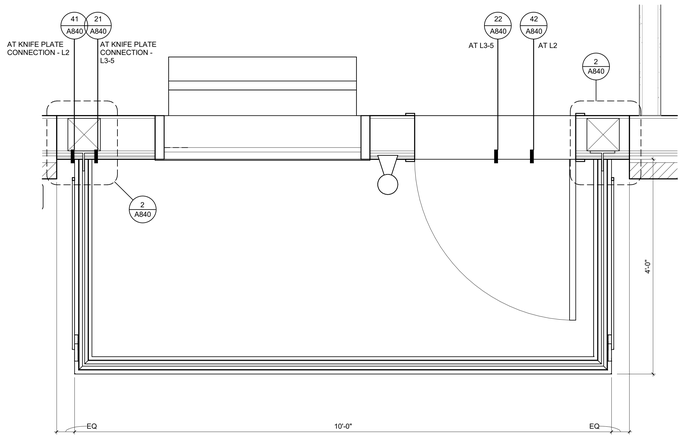
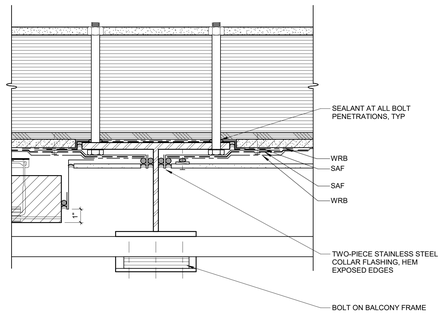
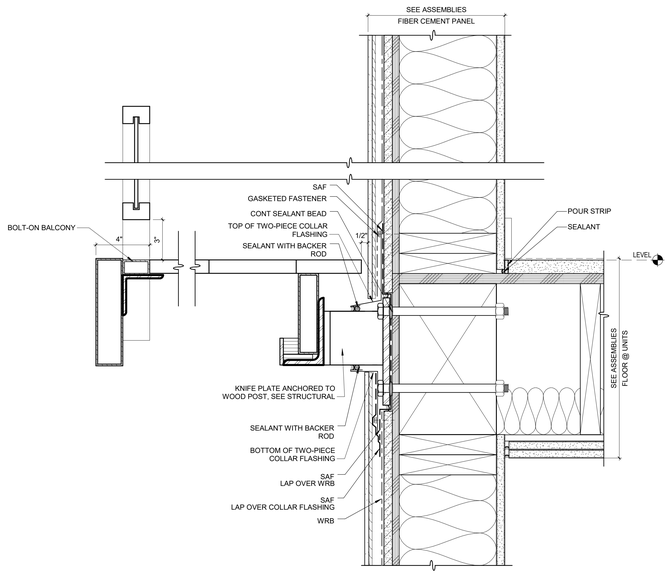
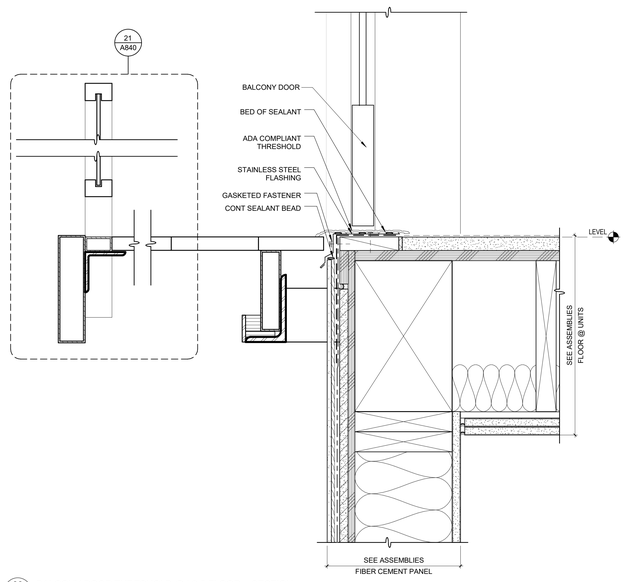


1 A840 TYPICAL BALCONY PLAN
1" = 1'-0"



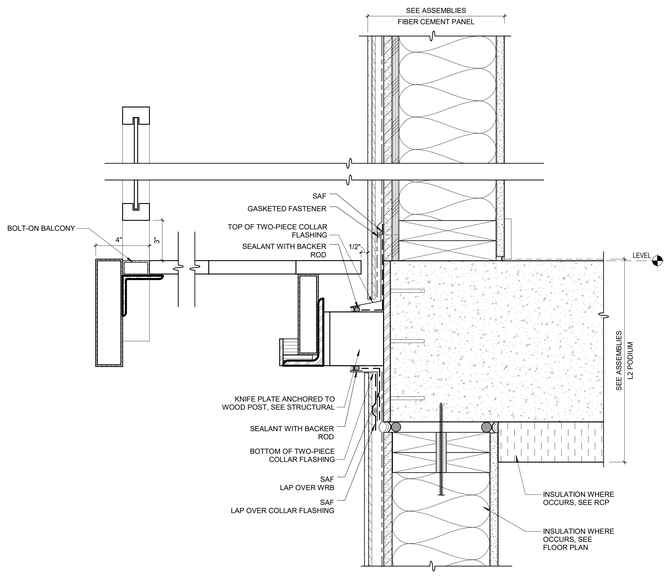


21 A840 BALCONY BOTTOM KNIFE PLATE CONNECTION @ L3-5 FLOOR - SECTION
3" = 1'-0"

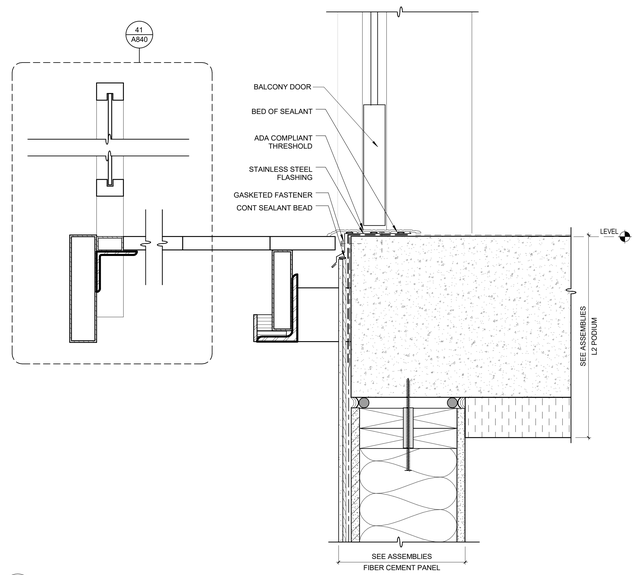


2 A840 BALCONY BOTTOM KNIFE PLATE CONNECTION - PLAN
3" = 1'-0"

22 A840 BALCONY DOOR THRESHOLD @ L3-5 FLOOR - SECTION
3" = 1'-0"



41 A840 BALCONY BOTTOM KNIFE PLATE CONNECTION @ L2 FLOOR - SECTION
3" = 1'-0"



42 A840 BALCONY DOOR THRESHOLD @ L2 FLOOR - SECTION
3" = 1'-0"

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION: DESCRIPTION:

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11707 REGISTERED ARCHITECT John R. Wright STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
EXTERIOR DETAILS - BALCONIES

SHEET NO.:
A840

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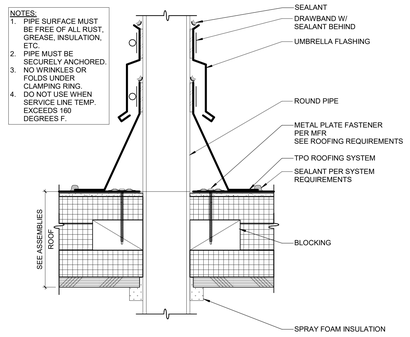
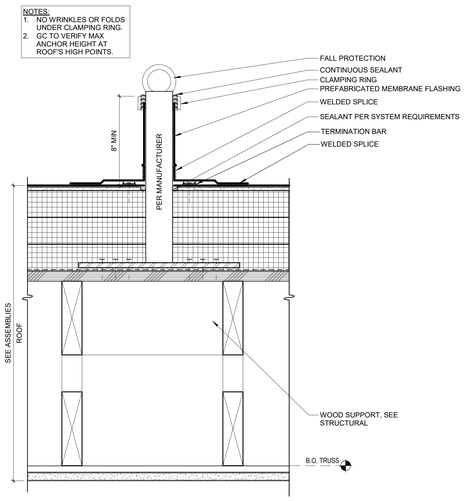
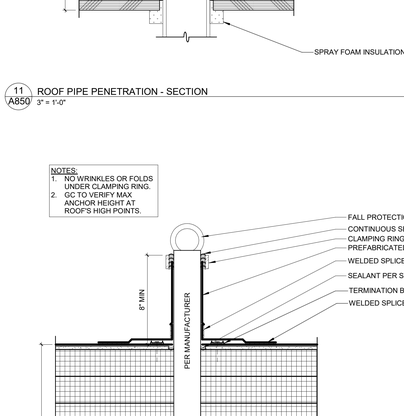


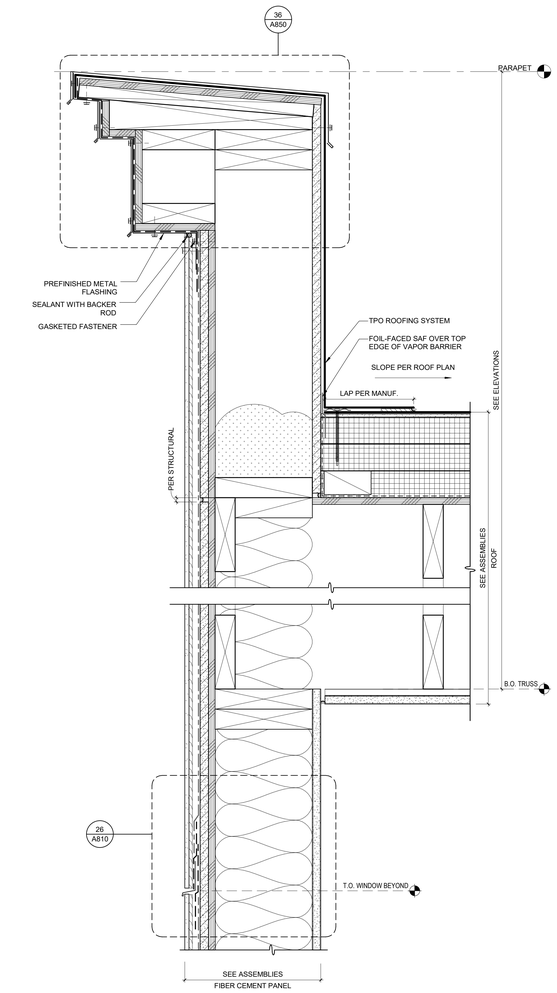
11 A850 ROOF PIPE PENETRATION - SECTION
3" = 1'-0"



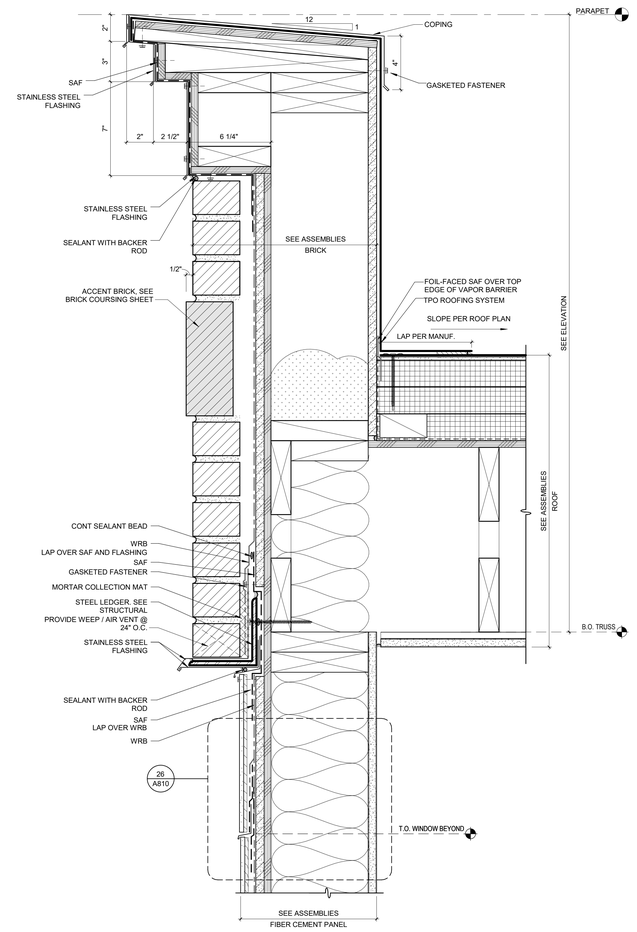
31 A850 ROOF TIE BACK - SECTION
3" = 1'-0"



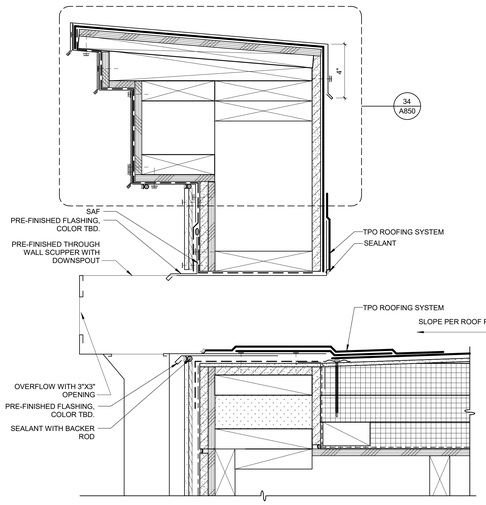
41 A850 ROOF EQUIPMENT CURB - SECTION
3" = 1'-0"



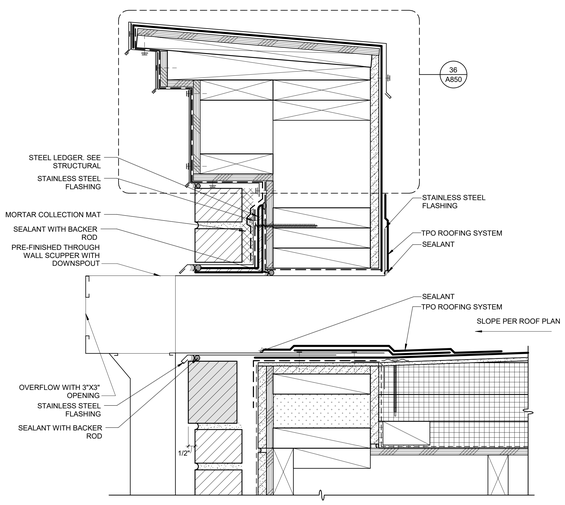
34 A850 PARAPET - ROOF ASSEMBLY @ FIBER CEMENT PANEL - SECTION
3" = 1'-0"



36 A850 PARAPET - ROOF ASSEMBLY @ BRICK - SECTION
3" = 1'-0"



44 A850 SCUPPER BOX + DOWNSPOUT @ FIBER CEMENT PANEL - SECTION
3" = 1'-0"



46 A850 SCUPPER BOX + DOWNSPOUT @ BRICK - SECTION
3" = 1'-0"

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ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

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11707 REGISTERED ARCHITECT
JOHN R. WILLIS
STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
EXTERIOR DETAILS - ROOF

SHEET NO.:
A850

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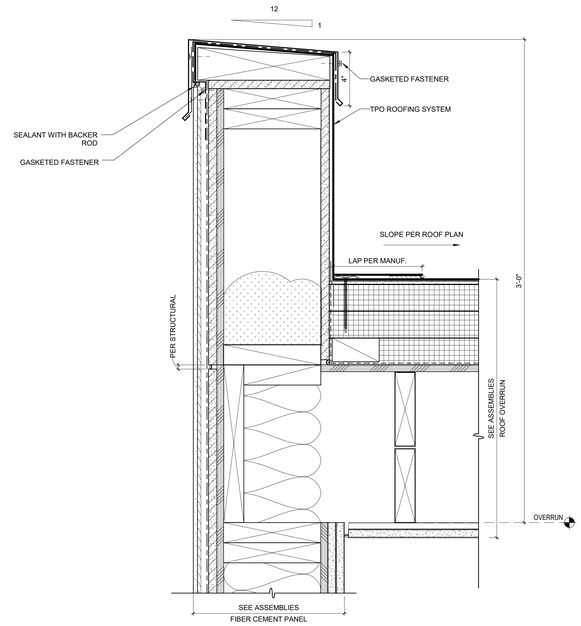
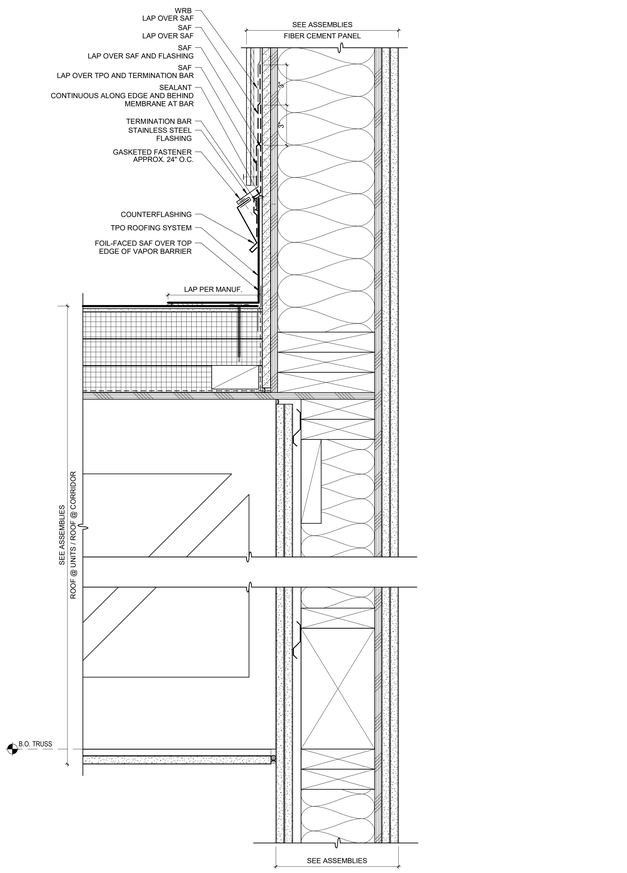
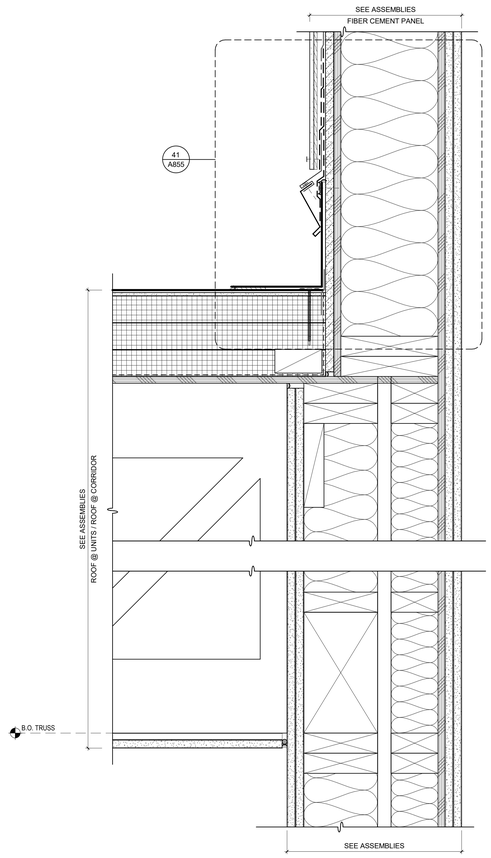


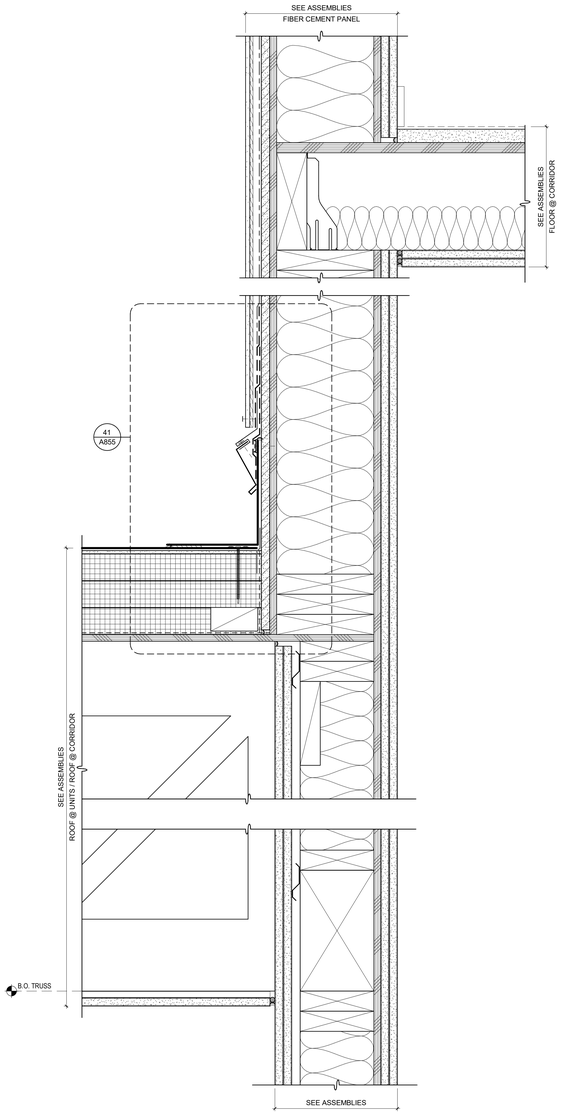
21 A855 PARAPET - OVERRUN @ FIBER CEMENT PANEL - SECTION
3" = 1'-0"



41 A855 FIBER CEMENT PANEL - SINGLE STUD @ ROOF OVERRUN - SECTION
3" = 1'-0"



43 A855 FIBER CEMENT PANEL - DOUBLE STUD @ ROOF OVERRUN - SECTION
3" = 1'-0"



45 A855 FIBER CEMENT PANEL - SINGLE STUD @ ROOF OVERRUN CONTROL ROOM - SECTION
3" = 1'-0"

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1645 NW HOYT
PORTLAND OREGON 97209
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PUYALLUP BELL PLACE

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11707 REGISTERED ARCHITECT JOHN R. WOHL STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
EXTERIOR DETAILS - OVERRUN

SHEET NO.:
A855

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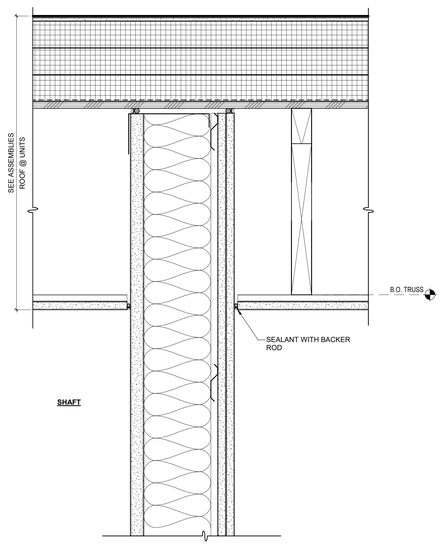
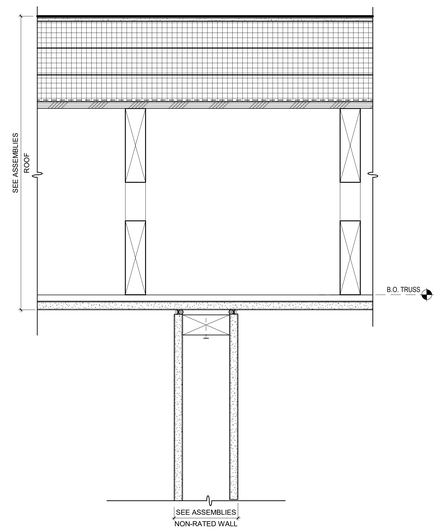
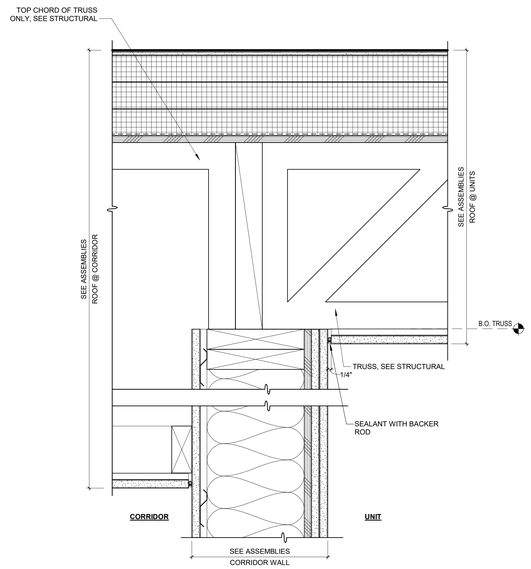


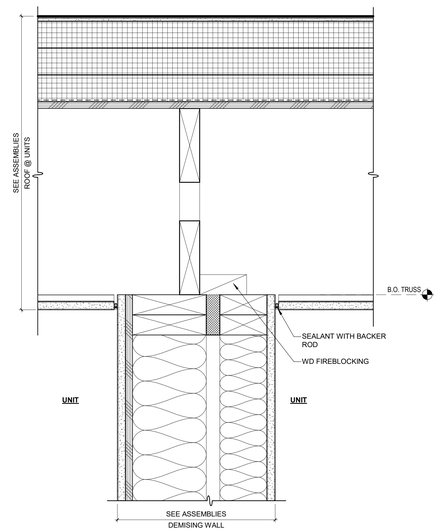
22 A901 SHAFT @ ROOF - SECTION
3" = 1'-0"



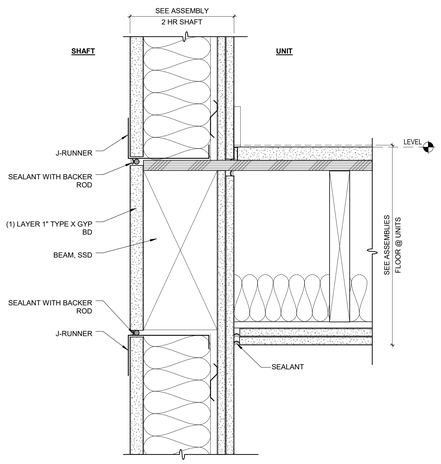
23 A901 NON-RATED WALL @ ROOF ASSEMBLY - SECTION
3" = 1'-0"



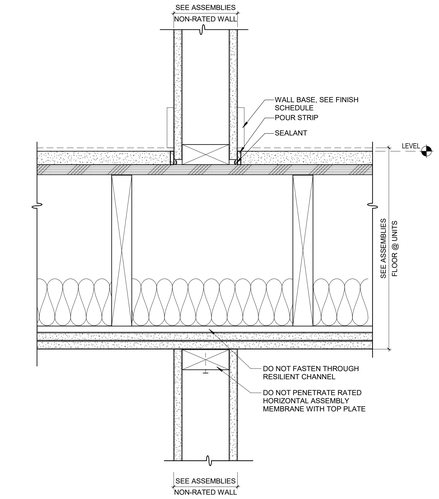
25 A901 CORRIDOR WALL @ ROOF ASSEMBLY - SECTION
3" = 1'-0"



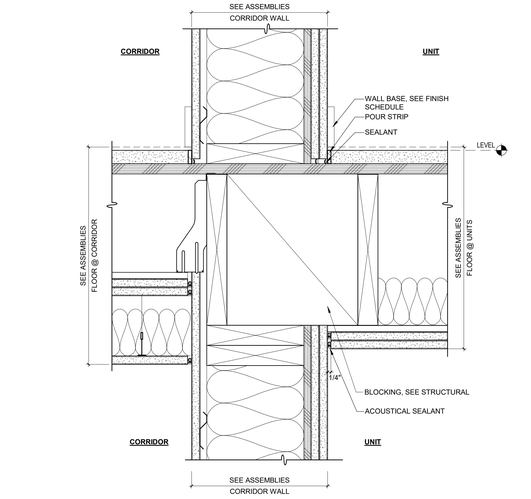
26 A901 DEMISING WALL @ ROOF ASSEMBLY - SECTION
3" = 1'-0"



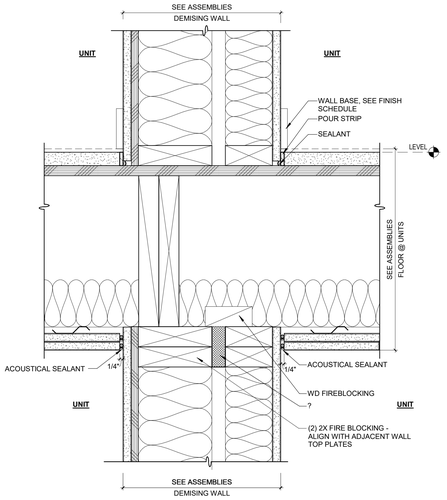
32 A901 SHAFT @ LEVEL 3-5 FLOOR ASSEMBLY - SECTION
3" = 1'-0"



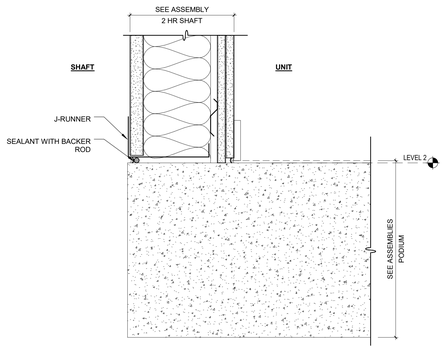
33 A901 NON-RATED WALL @ L3-5 FLOOR ASSEMBLY - SECTION
3" = 1'-0"



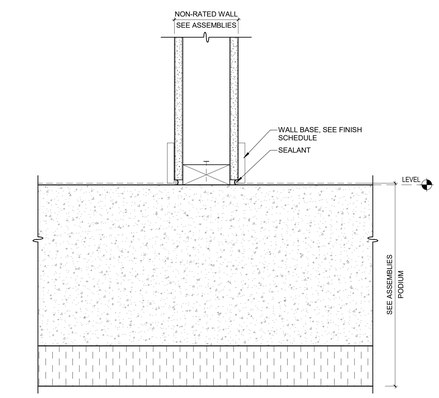
35 A901 CORRIDOR WALL @ L3-5 FLOOR ASSEMBLY - SECTION
3" = 1'-0"



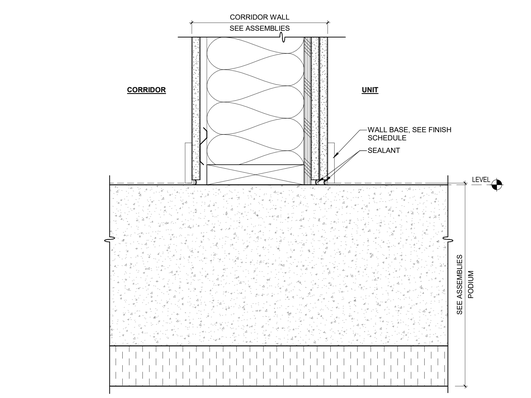
36 A901 DEMISING WALL @ L3-5 FLOOR ASSEMBLY - SECTION
3" = 1'-0"



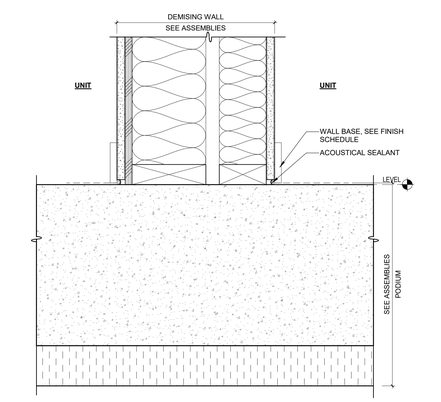
42 A901 SHAFT @ LEVEL 2 FLOOR ASSEMBLY
3" = 1'-0"



43 A901 NON-RATED WALL @ L2 PODIUM - SECTION
3" = 1'-0"



45 A901 CORRIDOR WALL @ L2 PODIUM - SECTION
3" = 1'-0"



46 A901 DEMISING WALL @ L2 PODIUM - SECTION
3" = 1'-0"

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
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REVISION: DESCRIPTION:

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11707 REGISTERED ARCHITECT
JOHN R. WRIGHT
STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
INTERIOR DETAILS - WALL

SHEET NO.:
A901

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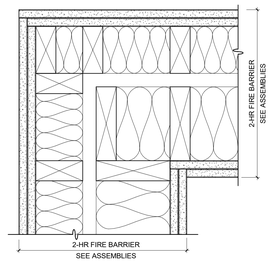
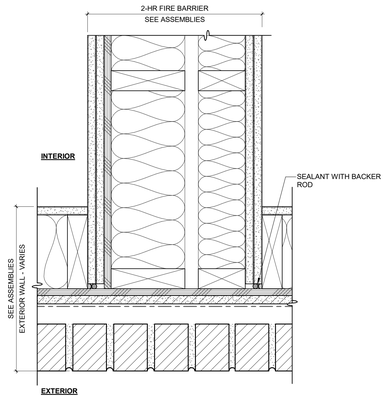
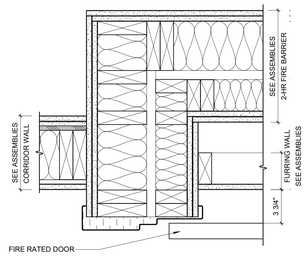


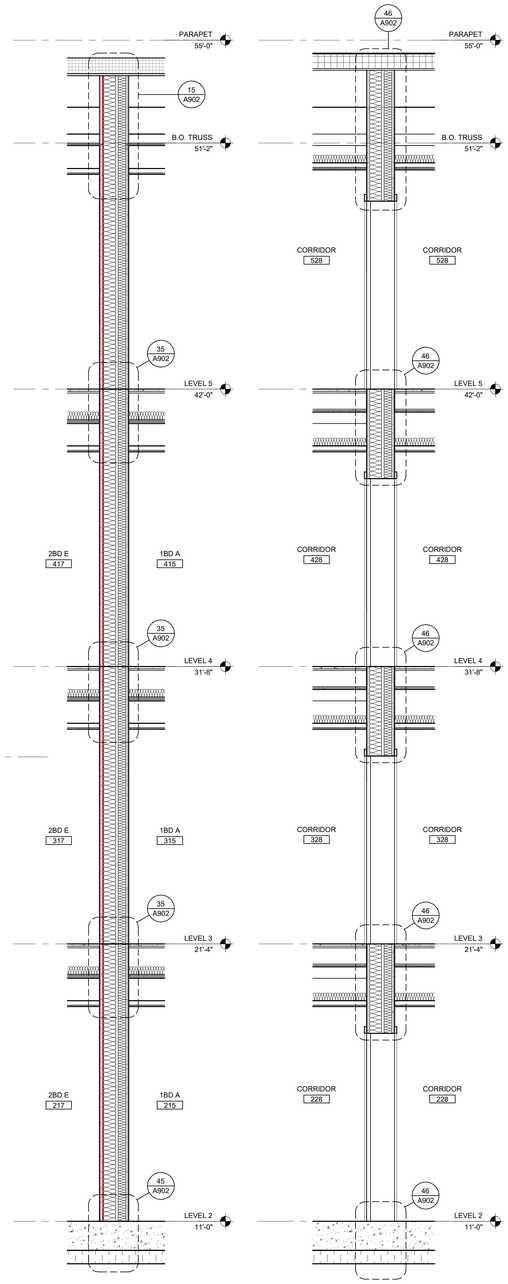
1 A902 HORIZONTAL EXIT - TYPICAL CORNER DETAIL - PLAN
3" = 1'-0"

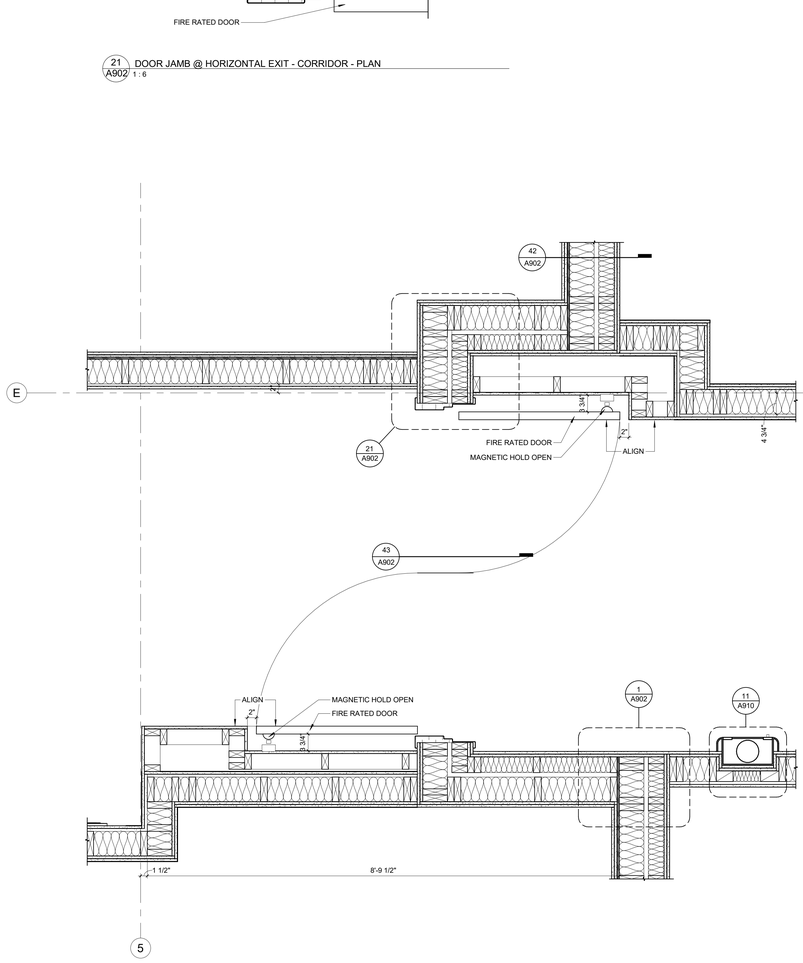


2 A902 HORIZONTAL EXIT @ EXTERIOR WALL - PLAN
3" = 1'-0"



21 A902 DOOR JAMB @ HORIZONTAL EXIT - CORRIDOR - PLAN
1 : 6

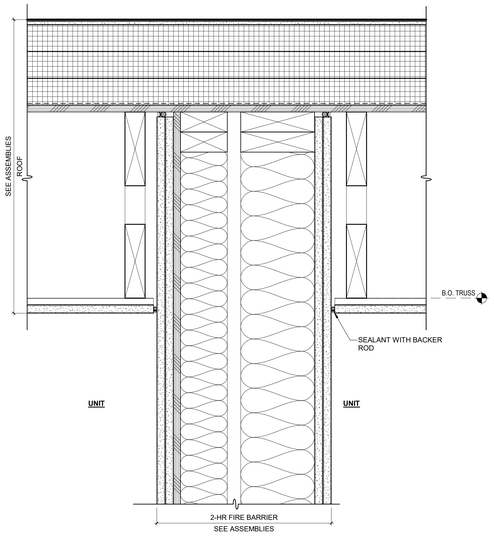




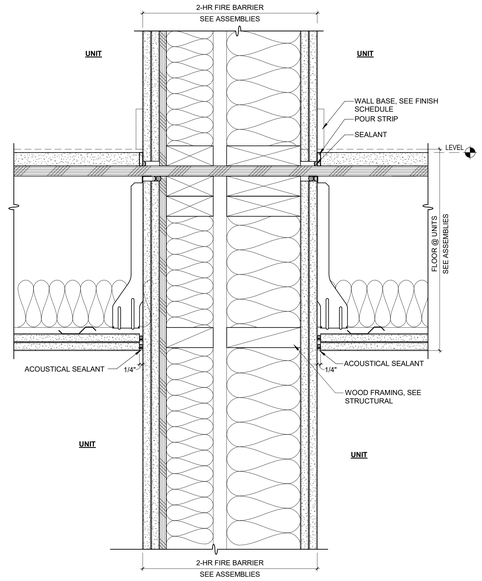
41 A902 DOUBLE EGRESS DOOR @ FIRE BARRIER
1" = 1'-0"

42 A902 FIRE BARRIER WALL SECTION
1/2" = 1'-0"

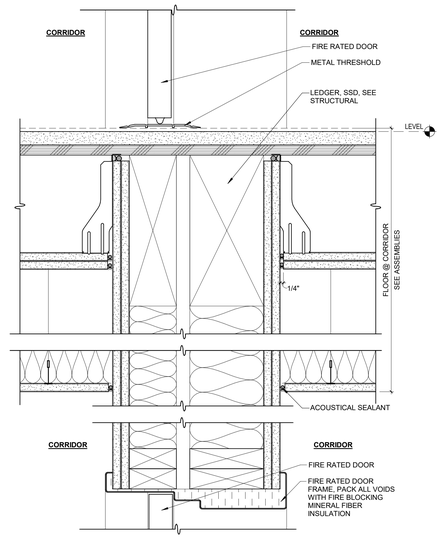
43 A902 HORIZONTAL EXIT WALL SECTION
1/2" = 1'-0"



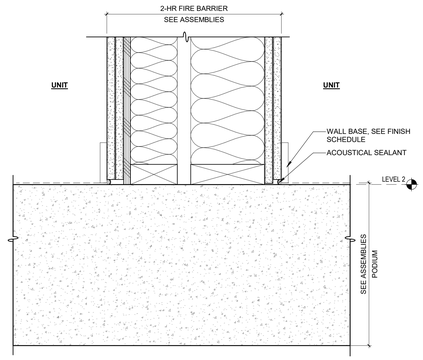
15 A902 HORIZONTAL EXIT @ ROOF ASSEMBLY - SECTION
3" = 1'-0"



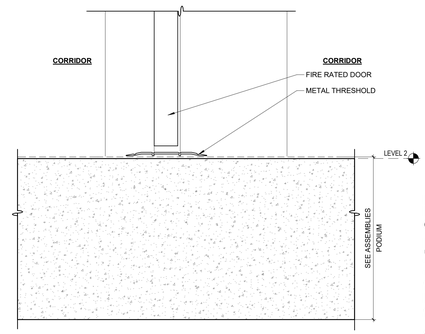
35 A902 HORIZONTAL EXIT @ L3-5 FLOOR ASSEMBLY - SECTION
3" = 1'-0"



36 A902 HORIZONTAL EXIT DOOR @ L3-5 FLOOR ASSEMBLY - SECTION
3" = 1'-0"



45 A902 HORIZONTAL EXIT @ L2 PODIUM - SECTION
3" = 1'-0"



46 A902 HORIZONTAL EXIT DOOR @ L2 PODIUM - SECTION
3" = 1'-0"

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BUILDING PERMIT SET
REVISION: DESCRIPTION:

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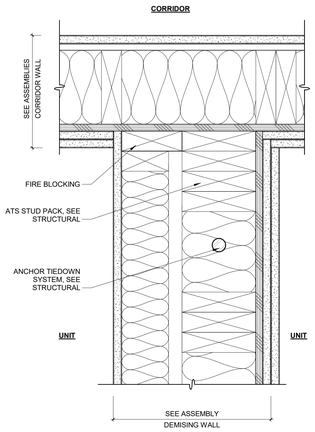
11707 REGISTERED ARCHITECT John R. Wright STATE OF WASHINGTON

BUILDING PERMIT SET

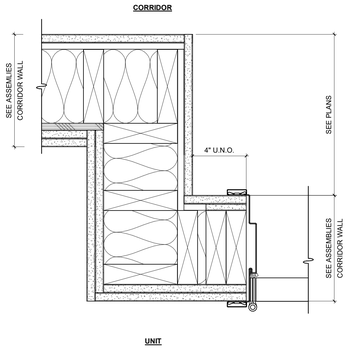
SHEET TITLE:
INTERIOR DETAILS - HORIZONTAL EXIT WALL

SHEET NO.:
A902

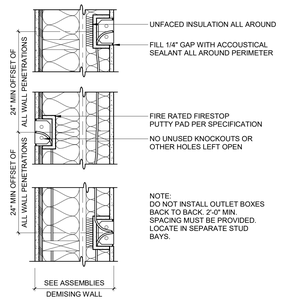
C:\Revit_Local\25129 Puyallup Bell Place-2025-CENTRAL_jseymour_c2k.rvt
3/18/2026 3:54:57 PM



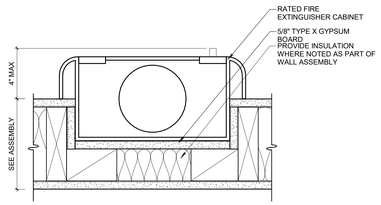
01 A910 DEMISING WALL AT CORRIDOR WALLS DETAIL - PLAN
3" = 1'-0"



02 A910 CORRIDOR WALLS AT DOOR DROPS - PLAN
3" = 1'-0"

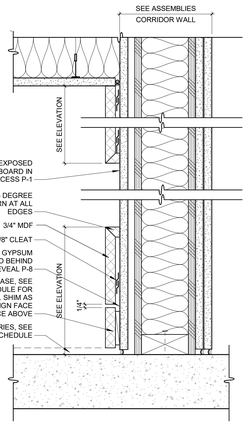


03 A910 PENETRATIONS AT DEMISING WALLS - PLAN
1 1/2" = 1'-0"

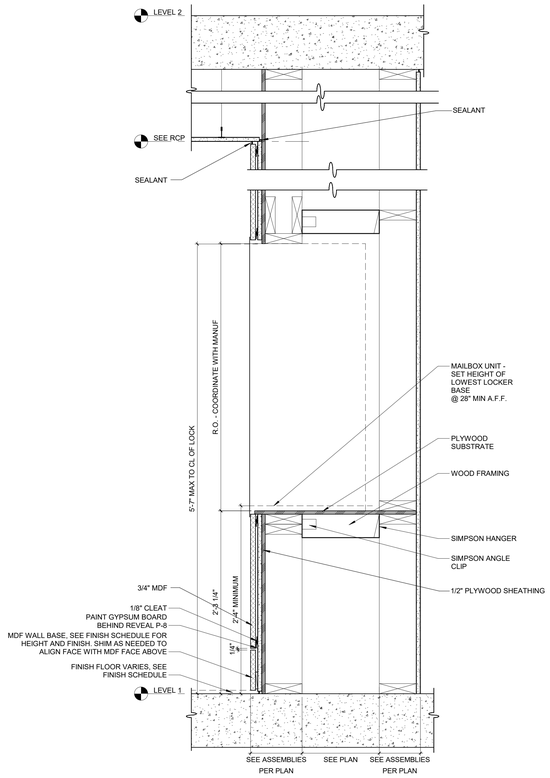


NOTE: SEE G110 SHEET FOR MOUNTING HEIGHT

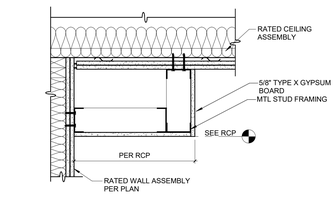
11 A910 FIRE EXTINGUISHER - PLAN
3" = 1'-0"



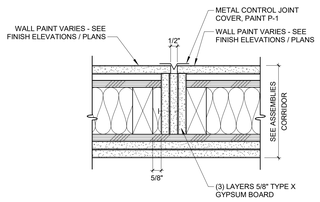
24 A910 ART RECESS @ MDF WALL @ CORRIDOR - SECTION
3" = 1'-0"



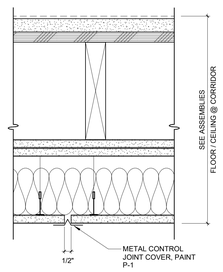
16 A910 MAILBOX SECTION
1 1/2" = 1'-0"



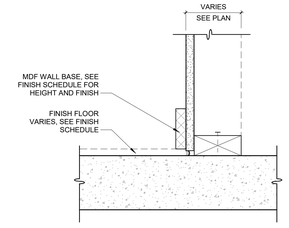
21 A910 SOFFIT CONSTRUCTION - SECTION
1 1/2" = 1'-0"



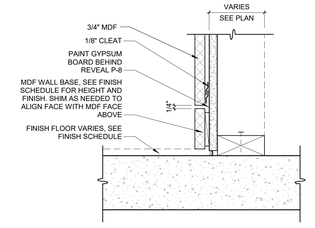
22 A910 CONTROL JOINT - PAINT CHANGE @ CORRIDOR WALL - PLAN
3" = 1'-0"



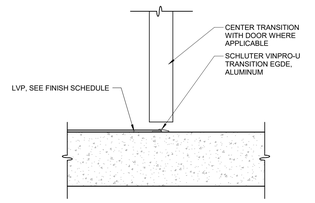
23 A910 CONTROL JOINT @ CORRIDOR CEILING - SECTION
3" = 1'-0"



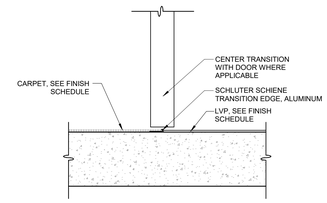
25 A910 MDF WALL BASE @ GYPSUM WALL - SECTION
3" = 1'-0"



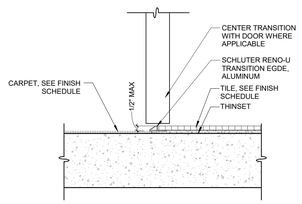
26 A910 MDF FLUSH WALL BASE @ MDF WALL - SECTION
3" = 1'-0"



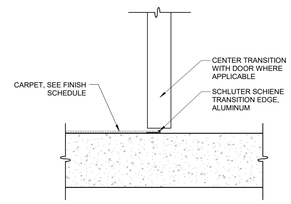
35 A910 FLOOR TRANSITION - LVP TO CONCRETE - SECTION
3" = 1'-0"



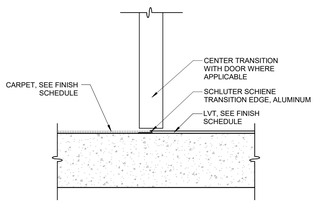
36 A910 FLOOR TRANSITION - WOM/CARPET TO LVP - SECTION
3" = 1'-0"



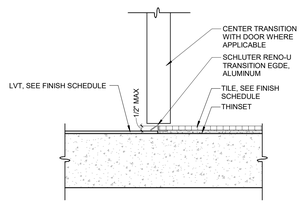
41 A910 FLOOR TRANSITION - WOM/CARPET TO TILE - SECTION
3" = 1'-0"



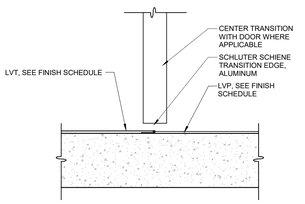
42 A910 FLOOR TRANSITION - WOM/CARPET TO CONCRETE - SECTION
3" = 1'-0"



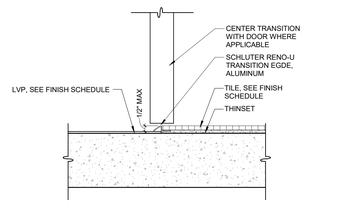
43 A910 FLOOR TRANSITION - WOM/CARPET TO LVT - SECTION
3" = 1'-0"



44 A910 FLOOR TRANSITION - LVT TO TILE - SECTION
3" = 1'-0"



45 A910 FLOOR TRANSITION - LVT TO LVP - SECTION
3" = 1'-0"



46 A910 FLOOR TRANSITION - LVP TO TILE - SECTION
3" = 1'-0"

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
BUILDING PERMIT SET
REVISION: DESCRIPTION:

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11707
REGISTERED ARCHITECT
John R. Wiorn
STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
INTERIOR DETAILS

SHEET NO.:
A910

C:\Revit_Local\25129 Puyallup Bell Place-2025-CENTRAL_jseymour_c2k.rvt
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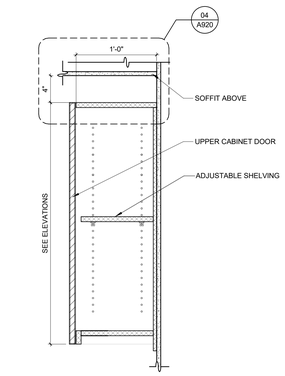
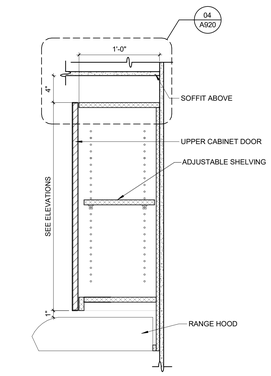
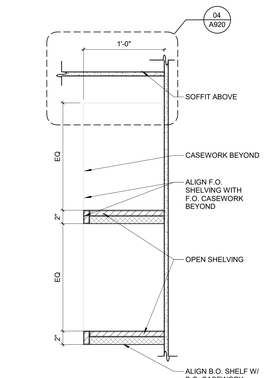


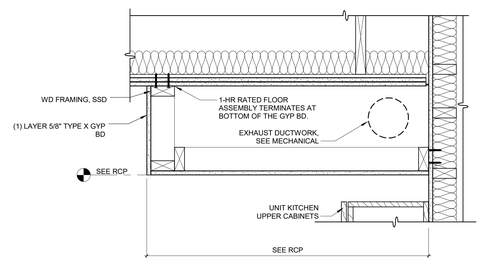
01 A920 TYPICAL UPPER CABINET - SECTION
1 1/2" = 1'-0"



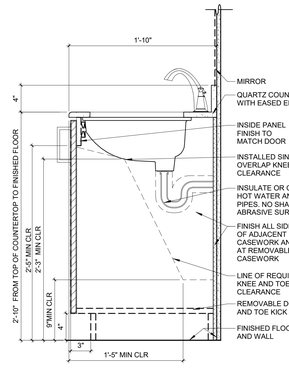
02 A920 UPPER CABINET @ HOOD - SECTION
1 1/2" = 1'-0"



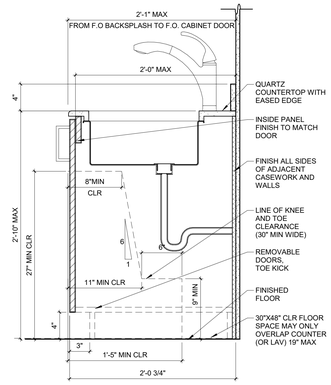
03 A920 OPEN SHELVING - SECTION
1 1/2" = 1'-0"



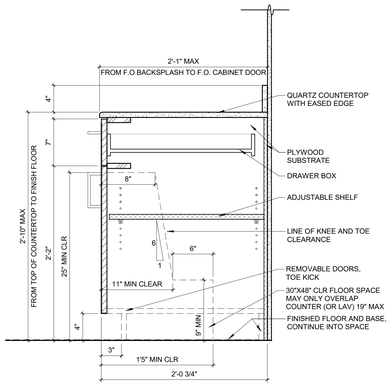
04 A920 SOFFIT @ KITCHEN CASEWORK
1 1/2" = 1'-0"



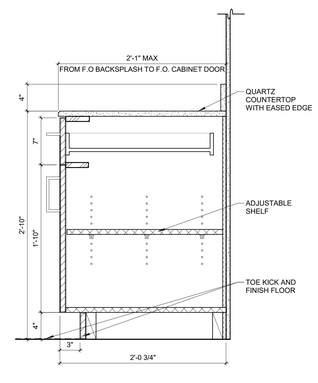
21 A920 VANITY REMOVABLE @ SINK - SECTION
1 1/2" = 1'-0"



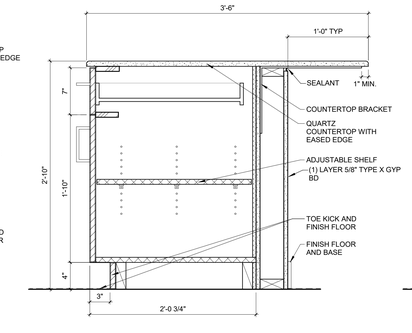
22 A920 KITCHEN SINK CABINET - ANSI A - SECTION
1 1/2" = 1'-0"



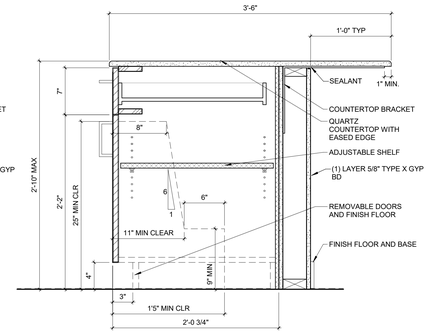
23 A920 KITCHEN REMOVABLE BASE CABINET WITH DRAWER - SECTION
1 1/2" = 1'-0"



24 A920 KITCHEN BASE CABINET - ANSI A - SECTION
1 1/2" = 1'-0"



25 A920 KITCHEN PENINSULA/ ISLAND BASE CABINET - ANSI A - SECTION
1 1/2" = 1'-0"



26 A920 KITCHEN REMOVABLE PENINSULA/ ISLAND BASE CABINET - ANSI A - SECTION
1 1/2" = 1'-0"

31 A920 VANITY @ SINK - SECTION
1 1/2" = 1'-0"

32 A920 KITCHEN SINK STANDARD CABINET - SECTION
1 1/2" = 1'-0"

33 A920 VANITY @ DRAWER BOXES - SECTION
1 1/2" = 1'-0"

34 A920 KITCHEN BASE CABINET - SECTION
1 1/2" = 1'-0"

35 A920 KITCHEN PENINSULA/ ISLAND BASE CABINET - SECTION
1 1/2" = 1'-0"

36 A920 KITCHEN SINK PENINSULA/ ISLAND BASE CABINET - SECTION
1 1/2" = 1'-0"

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
BUILDING PERMIT SET
REVISION: DESCRIPTION:

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11707 REGISTERED ARCHITECT John R. Wright STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
INTERIOR DETAILS - UNITS

SHEET NO.:
A920

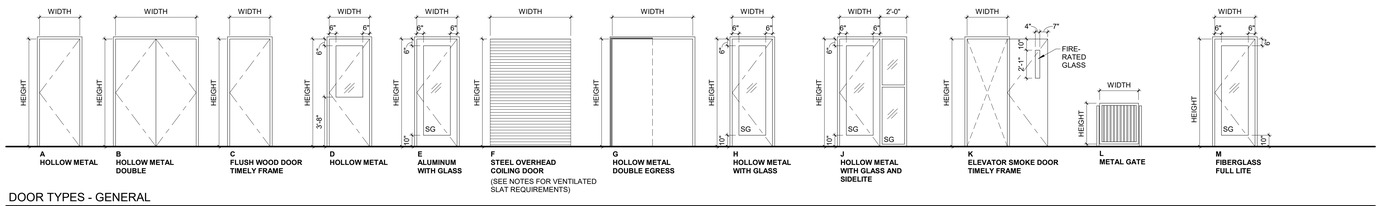
C:\Revit_Local\25129 Puyallup Bell Place-2025-CENTRAL_jeysmour_c2k.rvt
3/18/2026 3:55:00 PM

DOOR SCHEDULE - GENERAL

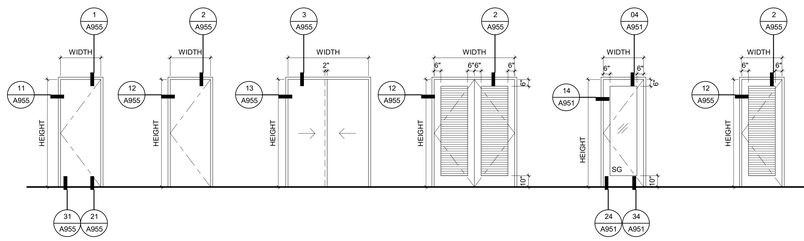
DOOR NO.	ROOM NAME	SIZE			TYPE	DOOR FINISH	FRAME FINISH	FIRE RATING	HARDWARE COMMENTS	DETAILS			ENERGY CODE COMMENTS
		WIDTH	HEIGHT	THICKNESS						HEAD	JAMB	SILL	
LEVEL 1													
100A	VESTIBULE	3'-6"	7'-10"	1 3/4"	E	PREFIN	PREFIN	-	CARD READER, ADA OPERATOR, PANIC, CLOSER	-	-	SEE SHEET A960	BUILDING ENTRANCE, PART OF VESTIBULE
100B	VESTIBULE	3'-6"	7'-10"	1 3/4"	E	PREFIN	PREFIN	-	ADA OPERATOR, PANIC, CLOSER	-	-	41/A910	BUILDING ENTRANCE, PART OF VESTIBULE
102A	OFFICE	3'-6"	7'-10"	1 3/4"	E	PREFIN	PREFIN	-	ADA OPERATOR, PANIC, CLOSER	-	-	-	BUILDING ENTRANCE, PART OF VESTIBULE
102B	OFFICE	3'-6"	7'-10"	1 3/4"	E	PREFIN	PREFIN	-	CARD READER, ADA OPERATOR, PANIC, CLOSER	-	-	SEE SHEET A960	NO VESTIBULE REQUIRED PER WSCEC C402.5.9 EXCEPTION 4
103	RESTROOM	3'-0"	7'-0"	1 3/4"	A	P-1	P-1	-	PRIVACY WITH INDICATOR	04/A955	14/A955	43/A910	INTERIOR DOOR
104A	VESTIBULE	3'-0"	7'-0"	1 3/4"	D	P-1	P-1	-	CARD READER, ADA OPERATOR, PANIC, CLOSER	04/A955	14/A955	42/A910	BUILDING ENTRANCE, PART OF VESTIBULE
104B	VESTIBULE	3'-0"	7'-0"	1 3/4"	D	P-1	P-1	-	ADA OPERATOR, PANIC, CLOSER	04/A955	14/A955	41/A910	BUILDING ENTRANCE, PART OF VESTIBULE
106	PACKAGE	3'-0"	7'-0"	1 3/4"	A	P-1	P-1	-	CARD READER, CLOSER	04/A955	14/A955	44/A910	INTERIOR DOOR
107	STORAGE	4'-0"	7'-0"	1 3/4"	A	P-6	P-6	-	CLOSER, SMOKE & DRAFT CONTROL	05/A951	15/A951/ 16/A951	25/A951	NOT A BUILDING ENTRANCE, NO VESTIBULE REQUIRED PER WSCEC C402.5.9 EXCEPTION 1
108A	ELECTRICAL	3'-0"	7'-0"	1 3/4"	A	P-6	P-6	-	PANIC	05/A951	15/A951/ 16/A951	25/A951	NOT A BUILDING ENTRANCE, NO VESTIBULE REQUIRED PER WSCEC C402.5.9 EXCEPTION 1
108B	ELECTRICAL	3'-0"	7'-0"	1 3/4"	A	P-1	P-1	-	PANIC	04/A955	14/A955	-	NOT A BUILDING ENTRANCE, NO VESTIBULE REQUIRED PER WSCEC C402.5.9 EXCEPTION 1
109	MAINTENANCE	3'-0"	7'-0"	1 3/4"	A	P-1	P-1	-	CLOSER	04/A955	14/A955	-	INTERIOR DOOR
110A	LOBBY	4'-0"	7'-0"	1 3/4"	D	P-1	P-1	-	ADA OPERATOR, PANIC, CLOSER	04/A955	14/A955	41/A910	BUILDING ENTRANCE, PART OF VESTIBULE
110B	VESTIBULE	4'-0"	7'-0"	1 3/4"	D	P-1	P-1	-	ADA OPERATOR, PANIC, CLOSER	04/A955	14/A955	42/A910	BUILDING ENTRANCE, PART OF VESTIBULE
111A	PARKING	4'-0"	7'-0"	1 3/4"	A	P-6	P-6	-	CARD READER, ADA OPERATOR, PANIC, CLOSER	05/A951	15/A951/ 16/A951	25/A951	NOT A BUILDING ENTRANCE, NO VESTIBULE REQUIRED PER WSCEC C402.5.9 EXCEPTION 1
111B	PARKING	20'-0"	9'-0"	1"	F	P-6	P-6	-	PROVIDE FULLY VENTILATED SLATS, ALL SLATS. CARD READER	01/A951	11/A951	21/A951	NO VESTIBULE REQUIRED PER WSCEC C402.5.9 EXCEPTION 6
112	FIRE	6'-0"	7'-0"	1 3/4"	B	P-6	P-6	-		05/A951	15/A951/ 16/A951	25/A951	NOT A BUILDING ENTRANCE, NO VESTIBULE REQUIRED PER WSCEC C402.5.9 EXCEPTION 1
113A	WASTE	6'-0"	7'-0"	1 3/4"	B	P-1	P-1	-	CARD READER, CLOSER	04/A955	14/A955	-	NO VESTIBULE REQUIRED PER WSCEC C402.5.9 EXCEPTION 6
113B	WASTE	10'-0"	9'-0"	1"	F	P-6	P-6	-	CARD READER	01/A951	11/A951	31/A951	NO VESTIBULE REQUIRED PER WSCEC C402.5.9 EXCEPTION 6
114	ELECTRICAL	3'-0"	7'-0"	1 3/4"	A	P-1	P-1	-	LOCK, PANIC	05/A955	15/A955	-	NOT A BUILDING ENTRANCE, NO VESTIBULE REQUIRED PER WSCEC C402.5.9 EXCEPTION 1
S101	STAIR	3'-0"	7'-0"	1 3/4"	A	P-1	P-1	3 HR	PANIC, CLOSER, SMOKE & DRAFT CONTROL	05/A955	15/A955	45/A910	INTERIOR DOOR
S102A	STAIR	3'-0"	7'-0"	1 3/4"	A	P-1	P-1	3 HR	PANIC, CLOSER, SMOKE & DRAFT CONTROL	05/A955	15/A955	35/A910	EXIT ONLY, NO VESTIBULE REQUIRED PER WSCEC C402.5.9 EXCEPTION 1
S102B	STAIR	3'-0"	7'-0"	1 3/4"	A	P-6	P-6	-	PANIC, CLOSER, SMOKE & DRAFT CONTROL, EXIT ONLY	05/A951	15/A951/ 16/A951	25/A951	EXIT ONLY, NO VESTIBULE REQUIRED PER WSCEC C402.5.9 EXCEPTION 1
LEVEL 2													
210	ELECTRICAL	3'-0"	7'-0"	1 3/4"	C	P-3	P-3	90 MIN	PANIC, CLOSER, SMOKE & DRAFT CONTROL	06/A955	16/A955	-	INTERIOR DOOR
228A	CORRIDOR	6'-0"	7'-0"	1 3/4"	G	P-3	P-3	90 MIN	HORIZONTAL EXIT, DOUBLE EGRESS, MAG HOLD OPEN, CLOSER, SEE SHEET A902	36/A902	21/A902	46/A902	INTERIOR DOOR
228B	CORRIDOR	3'-0"	8'-0"	1 3/4"	H	P-6/P-1	P-6/P-1	20 MIN	PANIC, CLOSER, SMOKE & DRAFT CONTROL	02/A951	12/A951	34/A951	NO VESTIBULE REQUIRED PER WSCEC C402.5.9 EXCEPTION 11
228C	CORRIDOR	3'-0"	8'-0"	1 3/4"	H	P-6/P-1	P-6/P-1	20 MIN	PANIC, CLOSER, SMOKE & DRAFT CONTROL	02/A951	12/A951	34/A951	NO VESTIBULE REQUIRED PER WSCEC C402.5.9 EXCEPTION 11
229B	DOG RUN	3'-0"	4'-0"	1 3/4"	L	PREFIN	PREFIN	-	AMENITY GATE	-	-	-	GATE
E201	ELEVATOR	3'-8"	7'-0"	1 3/4"	K	P-3	P-3	90 MIN	ELEV SMOKE CONTROL, MAG HOLD OPEN, CLOSER	21/A581	04/A581	-	INTERIOR DOOR
E202	ELEVATOR	3'-8"	7'-0"	1 3/4"	K	P-3	P-3	90 MIN	ELEV SMOKE CONTROL, MAG HOLD OPEN, CLOSER	21/A581	04/A581	-	INTERIOR DOOR
S201	STAIR	3'-0"	7'-0"	1 3/4"	A	P-1	P-1	90 MIN	PANIC, CLOSER, SMOKE & DRAFT CONTROL	06/A955	16/A955	36/A910	INTERIOR DOOR
S202	STAIR	3'-0"	7'-0"	1 3/4"	C	P-3	P-3	90 MIN	PANIC, CLOSER, SMOKE & DRAFT CONTROL	06/A955	16/A955	36/A910	INTERIOR DOOR
LEVEL 3													
310	ELECTRICAL	3'-0"	7'-0"	1 3/4"	A	P-3	P-3	90 MIN	PANIC, CLOSER, SMOKE & DRAFT CONTROL	06/A955	16/A955	-	INTERIOR DOOR
328	CORRIDOR	6'-0"	7'-0"	1 3/4"	G	P-3	P-3	90 MIN	HORIZONTAL EXIT, DOUBLE EGRESS, MAG HOLD OPEN, CLOSER, SEE SHEET A902	36/A902	21/A902	46/A902	INTERIOR DOOR
E301	ELEVATOR	3'-8"	7'-0"	1 3/4"	K	P-3	P-3	90 MIN	ELEV SMOKE CONTROL, MAG HOLD OPEN, CLOSER	21/A581	04/A581	-	INTERIOR DOOR
E302	ELEVATOR	3'-8"	7'-0"	1 3/4"	K	P-3	P-3	90 MIN	ELEV SMOKE CONTROL, MAG HOLD OPEN, CLOSER	21/A581	04/A581	-	INTERIOR DOOR
S301	STAIR	3'-0"	7'-0"	1 3/4"	A	P-1	P-1	90 MIN	PANIC, CLOSER, SMOKE & DRAFT CONTROL	06/A955	16/A955	36/A910	INTERIOR DOOR
S302	STAIR	3'-0"	7'-0"	1 3/4"	A	P-3	P-3	90 MIN	PANIC, CLOSER, SMOKE & DRAFT CONTROL	06/A955	16/A955	36/A910	INTERIOR DOOR
LEVEL 4													
410	ELECTRICAL	3'-0"	7'-0"	1 3/4"	A	P-3	P-3	90 MIN	PANIC, CLOSER, SMOKE & DRAFT CONTROL	06/A955	16/A955	-	INTERIOR DOOR
428	CORRIDOR	6'-0"	7'-0"	1 3/4"	G	P-3	P-3	90 MIN	HORIZONTAL EXIT, DOUBLE EGRESS, MAG HOLD OPEN, CLOSER, SEE SHEET A902	36/A902	21/A902	46/A902	INTERIOR DOOR
E401	ELEVATOR	3'-8"	7'-0"	1 3/4"	K	P-3	P-3	90 MIN	ELEV SMOKE CONTROL, MAG HOLD OPEN, CLOSER	21/A581	04/A581	-	INTERIOR DOOR
E402	ELEVATOR	3'-8"	7'-0"	1 3/4"	K	P-3	P-3	90 MIN	ELEV SMOKE CONTROL, MAG HOLD OPEN, CLOSER	21/A581	04/A581	-	INTERIOR DOOR
S401	STAIR	3'-0"	7'-0"	1 3/4"	A	P-1	P-1	90 MIN	PANIC, CLOSER, SMOKE & DRAFT CONTROL	06/A955	16/A955	36/A910	INTERIOR DOOR
S402	STAIR	3'-0"	7'-0"	1 3/4"	A	P-3	P-3	90 MIN	PANIC, CLOSER, SMOKE & DRAFT CONTROL	06/A955	16/A955	36/A910	INTERIOR DOOR
LEVEL 5													
510	ELECTRICAL	3'-0"	7'-0"	1 3/4"	A	P-3	P-3	90 MIN	PANIC, CLOSER, SMOKE & DRAFT CONTROL	06/A955	16/A955	-	INTERIOR DOOR
528	CORRIDOR	6'-0"	7'-0"	1 3/4"	G	P-3	P-3	90 MIN	HORIZONTAL EXIT, DOUBLE EGRESS, MAG HOLD OPEN, CLOSER, SEE SHEET A902	36/A902	21/A902	46/A902	INTERIOR DOOR
E501	ELEVATOR	3'-8"	7'-0"	1 3/4"	K	P-3	P-3	90 MIN	ELEV SMOKE CONTROL, MAG HOLD OPEN, CLOSER	21/A581	04/A581	-	INTERIOR DOOR
E502	ELEVATOR	3'-8"	7'-0"	1 3/4"	K	P-3	P-3	90 MIN	ELEV SMOKE CONTROL, MAG HOLD OPEN, CLOSER	21/A581	04/A581	-	INTERIOR DOOR
S501	STAIR	3'-0"	7'-0"	1 3/4"	A	P-1	P-1	90 MIN	PANIC, CLOSER, SMOKE & DRAFT CONTROL	06/A955	16/A955	36/A910	INTERIOR DOOR
S502	STAIR	3'-0"	7'-0"	1 3/4"	A	P-3	P-3	90 MIN	PANIC, CLOSER, SMOKE & DRAFT CONTROL	06/A955	16/A955	36/A910	INTERIOR DOOR
PARAPET													
602	ELEV CONTROL	3'-6"	7'-0"	1 3/4"	A	P-6	P-6	-	CLOSER	02/A951	12/A951	32/A951	NO VESTIBULE REQUIRED PER WSCEC C402.5.9 EXCEPTION 1
S601	STAIR	3'-0"	7'-0"	1 3/4"	A	P-6	P-6	-	PANIC, CLOSER, SMOKE & DRAFT CONTROL	02/A951	12/A951	32/A951	NO VESTIBULE REQUIRED PER WSCEC C402.5.9 EXCEPTION 1

DOOR SCHEDULE - UNITS

DOOR NO.	NAME	SIZE			TYPE	DOOR FINISH	FRAME FINISH	FIRE RATING	HARDWARE COMMENTS	ENERGY CODE COMMENTS
		WIDTH	HEIGHT	THICKNESS						
A1	UNIT ENTRY	3'-0"	7'-0"	1 3/4"	UA	(P-3/P-4)/P-1	(P-3/P-4)/P-1	20 MIN	CLOSER, EXTERIOR FINISH VARIES, SEE SHEET A720	INTERIOR DOOR
A2	BALCONY SWING	3'-0"	8'-0"	1 3/8"	UE	P-5/P-1	P-5/P-1	20 MIN	CLOSER	NO VESTIBULE REQUIRED PER WSEC C402.5.9 EXCEPTION 3
B1	BATHROOM SWING	3'-0"	6'-8"	1 3/8"	UB	P-1	P-1	-		INTERIOR DOOR
C1	BEDROOM SWING	3'-0"	6'-8"	1 3/8"	UB	P-1	P-1	-		INTERIOR DOOR
D3	CLOSET SLIDER	4'-0"	6'-8"	1 3/8"	UC	P-1	P-1	-		INTERIOR DOOR
D4	CLOSET SLIDER	4'-6"	6'-8"	1 3/8"	UC	P-1	P-1	-		INTERIOR DOOR
D5	CLOSET SLIDER	5'-0"	6'-8"	1 3/8"	UC	P-1	P-1	-		INTERIOR DOOR
D7	CLOSET SLIDER	6'-0"	6'-8"	1 3/8"	UC	P-1	P-1	-		INTERIOR DOOR
E1	CLOSET SWING	2'-0"	6'-8"	1 3/8"	UB	P-1	P-1	-		INTERIOR DOOR
E3	CLOSET SWING	3'-0"	6'-8"	1 3/8"	UB	P-1	P-1	-		INTERIOR DOOR
F4	CLOSET SWING LOUVER	4'-6"	7'-0"	1 3/4"	UD	P-1	P-1	-		INTERIOR DOOR
F5	CLOSET SWING LOUVER	5'-0"	7'-0"	1 3/4"	UD	P-1	P-1	-		INTERIOR DOOR
F7	CLOSET SWING LOUVER	6'-0"	7'-0"	1 3/4"	UD	P-1	P-1	-		INTERIOR DOOR



DOOR TYPES - GENERAL



DOOR TYPES - UNITS

GENERAL NOTES - DOOR SCHEDULE

1. OTHER THAN FIRE DOORS, THE FORCE FOR PUSHING OR PULLING OPEN INTERIOR SWINGING, SLIDING, AND FOLDING DOORS SHALL NOT EXCEED 5 POUNDS PER 2017 A117.1 404.2.8.
2. HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE. PER 2017 A117.1 404.2.6 THE OPERATIONAL FORCE TO RETRACT LATCHES OR DISENGAGE DEVICES THAT HOLD THE DOOR OR GATE IN A CLOSED POSITION SHALL BE AS FOLLOWS
   A. HARDWARE OPERATION BY A FORWARD, PUSHING OR PULLING MOTION: 15 POUNDS MAXIMUM
   B. HARDWARE OPERATION BY A ROTATIONAL MOTION: 28 INCH-POUNDS MAXIMUM
3. DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES SHALL BE INSTALLED 34 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FINISHED FLOOR PER 2017 A117.1 404.2.8. LOCKS USED ONLY FOR SECURITY PURPOSES AND NOT USED FOR NORMAL OPERATION ARE PERMITTED AT ANY HEIGHT.
4. THE UNLATCHING OF ANY DOOR OR LEAF SHALL NOT REQUIRE MORE THAN ONE OPERATION.
5. PROVIDE SAFETY GLASS AT GLAZED DOOR PANELS OF SWINGING, SLIDING, BIFOLD DOORS AND SIDELITE PANELS.
6. ALL DOOR TYPES AND FRAME TYPES MIGHT NOT BE USED.
7. REFER TO SHEET A951/A952 FOR FRAMING DETAILS
8. IF TWO FINISHES ARE LISTED, THE FIRST FINISH APPLIES TO THE EXTERIOR, THE SECOND APPLIES TO THE INTERIOR OF THE DOOR

ABBREVIATIONS: DOOR SCHEDULE

* REFER TO MAIN ABBREVIATION LIST FOR ABBREVIATIONS NOT INDICATED HERE

ALUM	ALUMINUM
AG	ANTI-GRAFFITI
BRZ	BRONZE
CL	CLEAR FINISH
FIN	FINISH
HC	HOLLOW CORE
HDW	HARDWARE
HM	HOLLOW METAL
INSUL	INSULATION
LVR	LOUVER
MATL	MATERIAL
P	PAINT
PF	PRE-FINISHED
S	SMOKE AND DRAFT CONTROL (UL1784)
ST	STAIN
SC	SOLID CORE WOOD
SG	SAFETY GLASS
STL	STEEL
T	450 DEGREES F TEMPERATURE TRANSMISSION RATED, SMOKE AND DRAFT CONTROL (UL 1784)
TG	TEMPERED GLAZING
TRANS	TRANSLUCENT GLAZING
VP	VINYL PANEL
WD	WOOD
WR	WATER RESISTANT

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026 BUILDING PERMIT SET
REVISION: DESCRIPTION:

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BUILDING PERMIT SET

11707 REGISTERED ARCHITECT John R. Wynn STATE OF WASHINGTON

SHEET TITLE:
DOOR SCHEDULE

SHEET NO.:
A950

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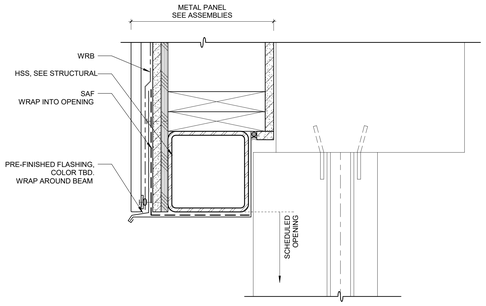
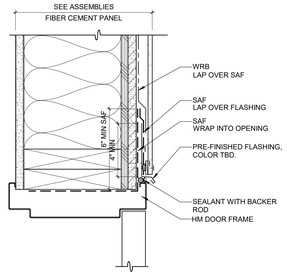


1 A951 OVERHEAD DOOR HEAD @ METAL PANEL - SECTION
3" = 1'-0"



02 A951 EXTERIOR HM DOOR HEAD @ FIBER CEMENT PANEL - SECTION
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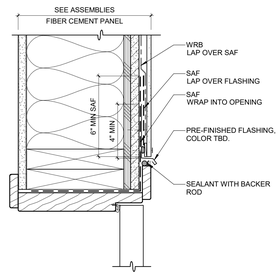

04 A951 FIBERGLASS DOOR HEAD @ FIBER CEMENT PANEL - SECTION
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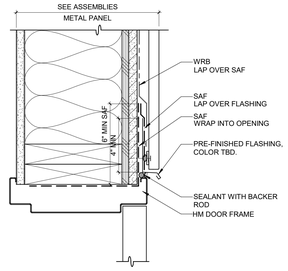

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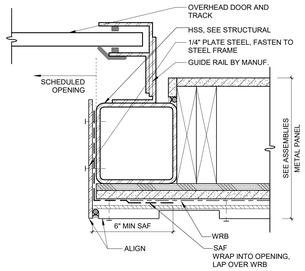
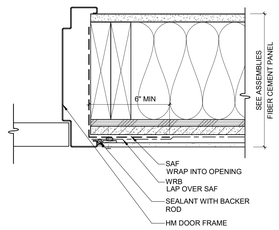


11 A951 OVERHEAD DOOR JAMB @ METAL PANEL - PLAN
3" = 1'-0"



12 A951 EXTERIOR HM DOOR JAMB @ FIBER CEMENT PLAN - PLAN
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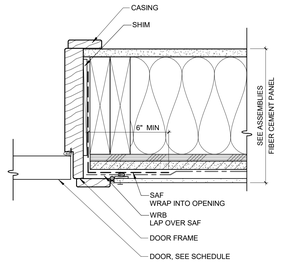

14 A951 FIBERGLASS DOOR JAMB @ FIBER CEMENT PANEL - PLAN
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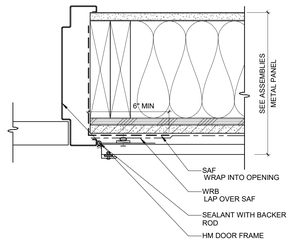
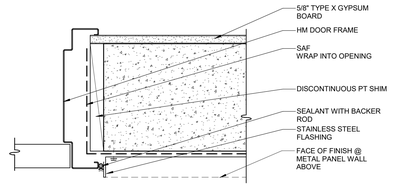


15 A951 EXTERIOR HM DOOR JAMB @ METAL PANEL - PLAN
3" = 1'-0"



16 A951 EXTERIOR HM DOOR JAMB @ CONCRETE CURB - METAL PANEL
3" = 1'-0"

21 A951 OVERHEAD DOOR SILL @ PARKING - SECTION
3" = 1'-0"

32 A951 HM DOOR @ ROOF - SECTION
3" = 1'-0"

24 A951 DOOR SILL @ UNIT TERRACES - SECTION
3" = 1'-0"

25 A951 HM DOOR SILL - SECTION
3" = 1'-0"

31 A951 OVERHEAD DOOR SILL @ TRASH - SECTION
3" = 1'-0"

34 A951 DOOR SILL @ COURTYARD - SECTION
3" = 1'-0"

TYPICAL HEAD FLASHING

GSM DOOR SILL PAN

45 A951 TYPICAL DOOR FLASHING
3/4" = 1'-0"

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

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PUYALLUP, WA 98371

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11707 REGISTERED ARCHITECT JOHN R. WRIGHT STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
DOOR DETAILS - EXTERIOR

SHEET NO.:
A951

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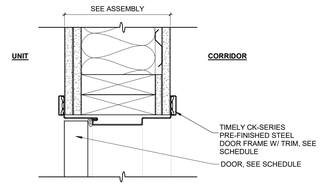

1 A955 HM ENTRY DOOR HEAD @ UNIT - SECTION
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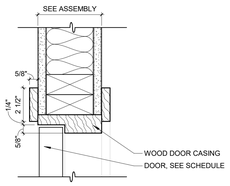

2 A955 INTERIOR DOOR HEAD @ UNIT - SECTION
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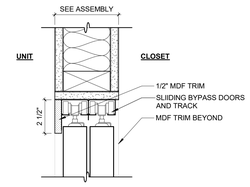

3 A955 BYPASS HEAD @ UNIT - SECTION
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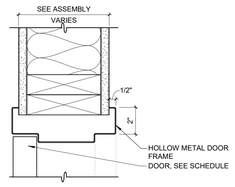

4 A955 INTERIOR HM DOOR HEAD - SECTION
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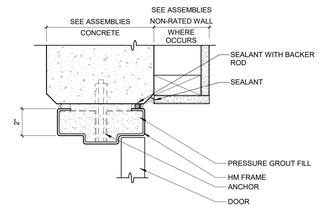

5 A955 DOOR HEAD @ CONCRETE - SECTION
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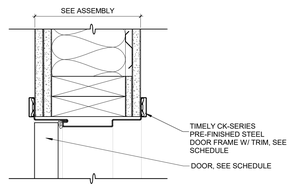

6 A955 WOOD DOOR TIMELY FRAME JAMB - SECTION
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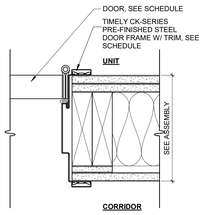

11 A955 HM ENTRY DOOR JAMB @ UNIT - PLAN
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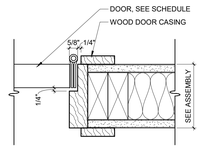

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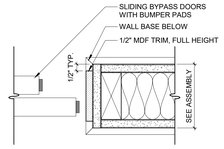

13 A955 BYPASS JAMB @ UNIT - PLAN
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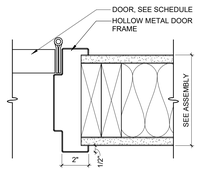
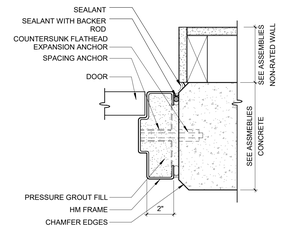
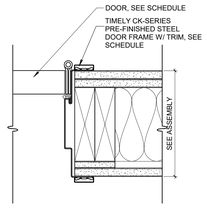


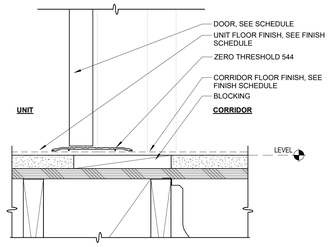
14 A955 INTERIOR HM DOOR JAMB - PLAN
3" = 1'-0"



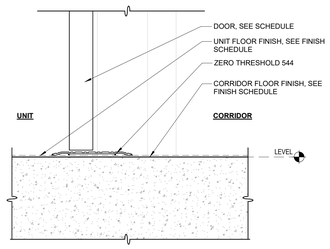
15 A955 DOOR JAMB @ CONCRETE - PLAN
3" = 1'-0"



16 A955 WOOD DOOR TIMELY FRAME JAMB - PLAN
3" = 1'-0"



21 A955 UNIT ENTRY DOOR THRESHOLD @ L3-5 - SECTION
3" = 1'-0"



31 A955 UNIT ENTRY DOOR THRESHOLD @ L2 PODIUM - SECTION
3" = 1'-0"

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION: DESCRIPTION:

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BUILDING PERMIT SET

11707 REGISTERED ARCHITECT
JOHN R. WILLIS
STATE OF WASHINGTON

SHEET TITLE:
DOOR DETAILS - INTERIOR

SHEET NO.:
A955

C:\Revit_Local\25129 Puyallup Bell Place-2025-CENTRAL_jseymour_c2k.rvt
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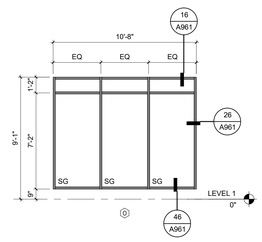
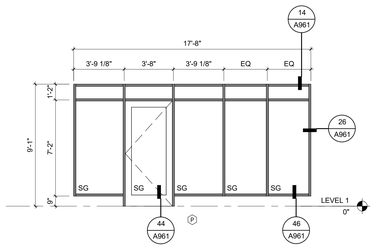


STOREFRONT TYPE O



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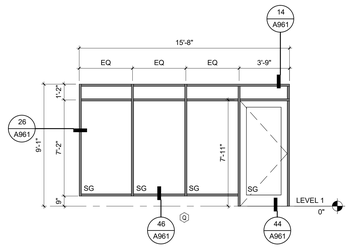

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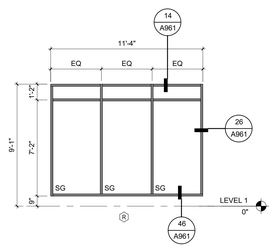

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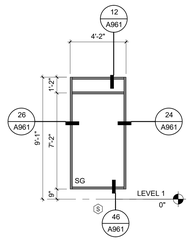
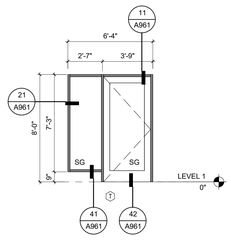
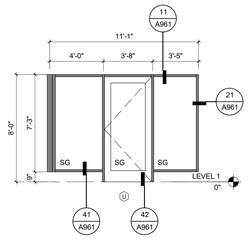


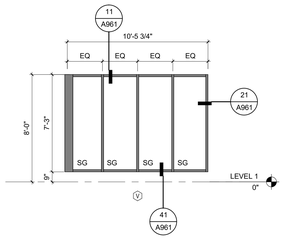
STOREFRONT TYPE S



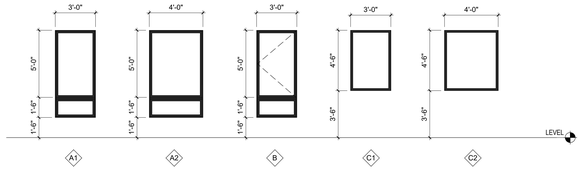
INTERIOR STOREFRONT TYPE T



INTERIOR STOREFRONT TYPE U



INTERIOR STOREFRONT TYPE V



VINYL WINDOW LEGEND

LEGEND - STOREFRONT PANEL

- GLASS (SG = SAFETY GLASS)
- METAL PANEL
- SPANDREL PANEL
- LOUVER PANEL

GENERAL NOTES - WINDOW SCHEDULE

1. ALL WINDOW AND STOREFRONT ELEVATIONS VIEWED FROM EXTERIOR SIDE. REFERENCE OVERALL BUILDING ELEVATIONS FOR WINDOW HANDING SIDE. REFERENCE FLOORPLANS FOR STOREFRONT DOOR SIDE/SWING.
2. COORDINATE INSTALLATION OF ALL FLASHING AND WINDOWS WITH INSTALLATION INSTRUCTIONS OF WINDOW MANUFACTURER. OBTAIN APPROVAL OF INSTALLATION METHODOLOGY FROM WINDOW MANUFACTURER PRIOR TO COMMENCING INSTALLATION.
3. UTILIZE PRIMERS AND/OR ADHESIVES COMPATIBLE WITH ALL MATERIALS AND AS RECOMMENDED BY MANUFACTURER OF SELF-ADHERED MEMBRANE TO ACHIEVE TENACIOUS BOND OF MEMBRANE TO ALL SUBSTRATES.
4. UTILIZE SEALANTS COMPATIBLE WITH ALL MATERIALS AND AS RECOMMENDED BY WINDOW AND SELF-ADHERED MEMBRANE MANUFACTURERS.
5. SAFETY GLAZING SHALL BE IDENTIFIED BY A PERMANENT LABEL PER 2406.3.
6. PROVIDE SAFETY GLAZING (SG) @ HAZARDOUS LOCATIONS PER 2406.4 AND AS INDICATED ON DRAWINGS.
7. PROVIDE WINDOW OPENING CONTROL DEVICES IN COMPLIANCE WITH 1015.8 AND ASTM F 2090 TO NOT ALLOW PASSAGE OF A 4-INCH-DIAMETER SPHERE AT OPERABLE WINDOWS WITHIN 36 INCHES OF THE FINISHED FLOOR.
8. VERIFY ALL STOREFRONT ROUGH OPENING DIMENSIONS IN FIELD.
9. WINDOW CONTROLS TO BE LOCATED WITHIN REACH RANGE PER 2017 ANSI A117.1 308.
10. EXTERIOR WINDOW OPENINGS SHOWN ARE ROUGH OPENING, PROVIDE 1/2" AROUND ENTIRE PERIMETER BETWEEN ROUGH OPENING AND ACTUAL WINDOW SIZE.

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION: DESCRIPTION:

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11707 REGISTERED ARCHITECT JOHN R. WRIGHT STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
STOREFRONT & WINDOW SCHEDULE

SHEET NO.:
A960

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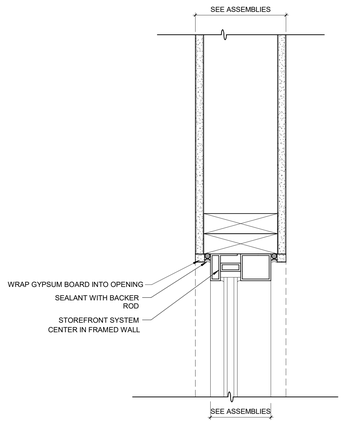
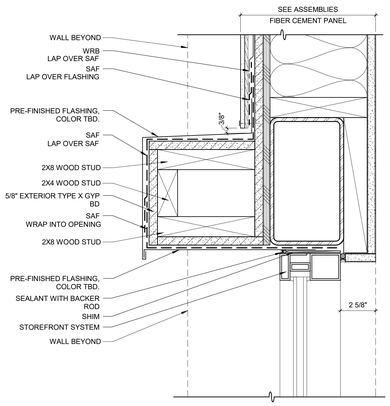
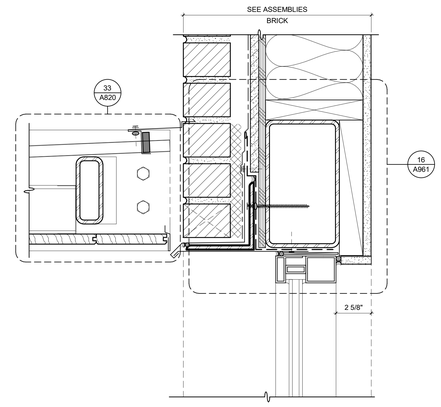


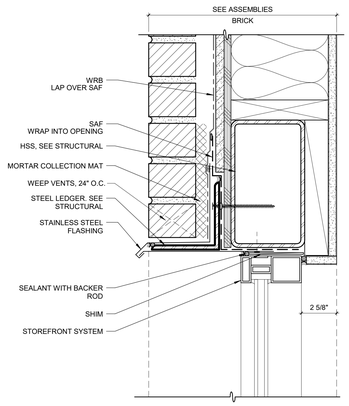
11 A961 TYPICAL INTERIOR STOREFRONT HEAD - SECTION
3" = 1'-0"



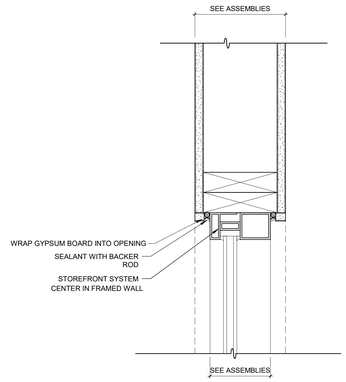
12 A961 EXTERIOR STOREFRONT HEAD @ FIBER CEMENT PANEL - SECTION
3" = 1'-0"



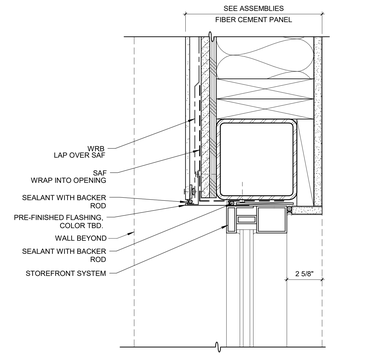
14 A961 EXTERIOR STOREFRONT HEAD WITH CANOPY @ BRICK - SECTION
3" = 1'-0"



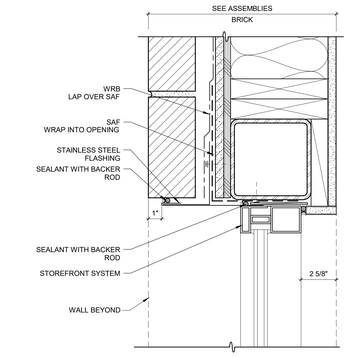
16 A961 EXTERIOR STOREFRONT HEAD @ BRICK - SECTION
3" = 1'-0"



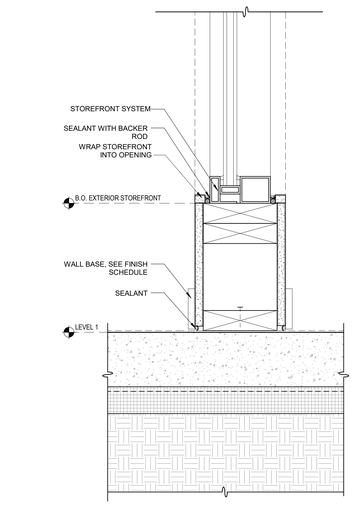
21 A961 TYPICAL INTERIOR STOREFRONT JAMB - PLAN
3" = 1'-0"



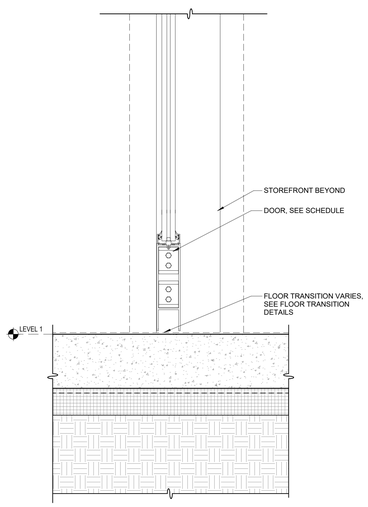
24 A961 TYPICAL EXTERIOR STOREFRONT JAMB @ FIBER CEMENT PANEL - PLAN
3" = 1'-0"



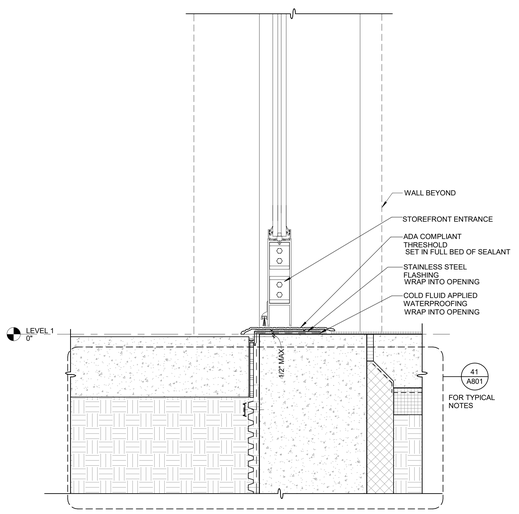
26 A961 TYPICAL EXTERIOR STOREFRONT JAMB @ BRICK - PLAN
3" = 1'-0"



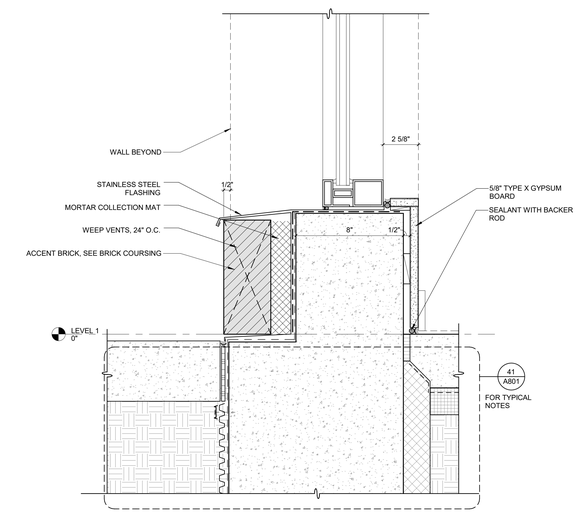
41 A961 TYPICAL INTERIOR STOREFRONT SILL - SECTION
3" = 1'-0"



42 A961 TYPICAL INTERIOR STOREFRONT DOOR SILL - SECTION
3" = 1'-0"



44 A961 TYPICAL EXTERIOR STOREFRONT DOOR SILL - SECTION
3" = 1'-0"



46 A961 TYPICAL EXTERIOR STOREFRONT SILL - SECTION
3" = 1'-0"

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
BUILDING PERMIT SET
REVISION: DESCRIPTION:

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11707 REGISTERED ARCHITECT JOHN R. WOMI STATE OF WASHINGTON

BUILDING PERMIT SET

SHEET TITLE:
STOREFRONT DETAILS

SHEET NO.:
A961

C:\Revit_Local\25129 Puyallup Bell Place-2025-CENTRAL_jseymour_c2k.rvt
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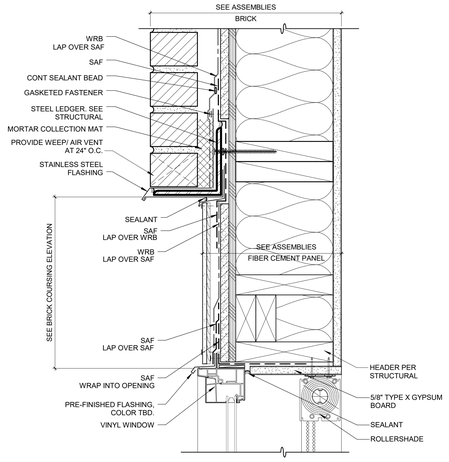
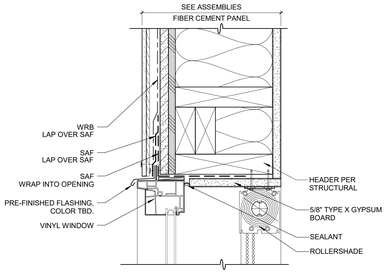


03 A962 WINDOW HEAD @ FIBER CEMENT / BRICK - LEVEL 5 - SECTION
3" = 1'-0"



04 A962 WINDOW HEAD @ FIBER CEMENT SIDING - SECTION
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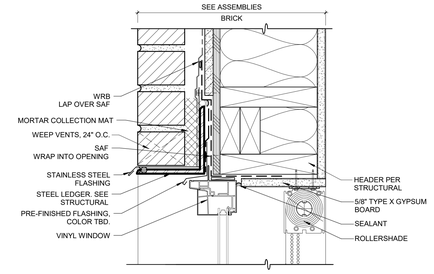

06 A962 WINDOW HEAD @ BRICK - SECTION
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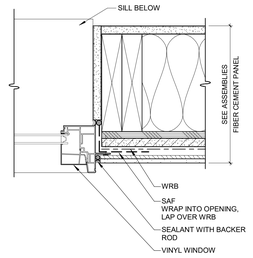

14 A962 WINDOW JAMB @ FIBER CEMENT SIDING - PLAN
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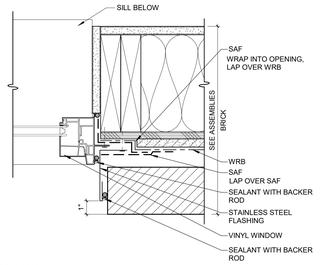

16 A962 WINDOW JAMB @ BRICK - PLAN
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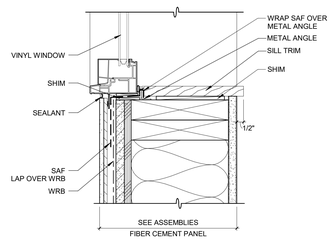
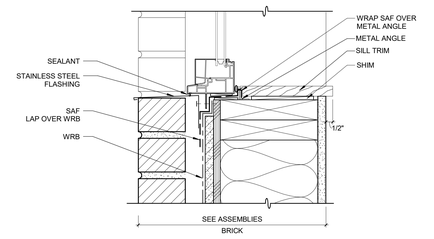
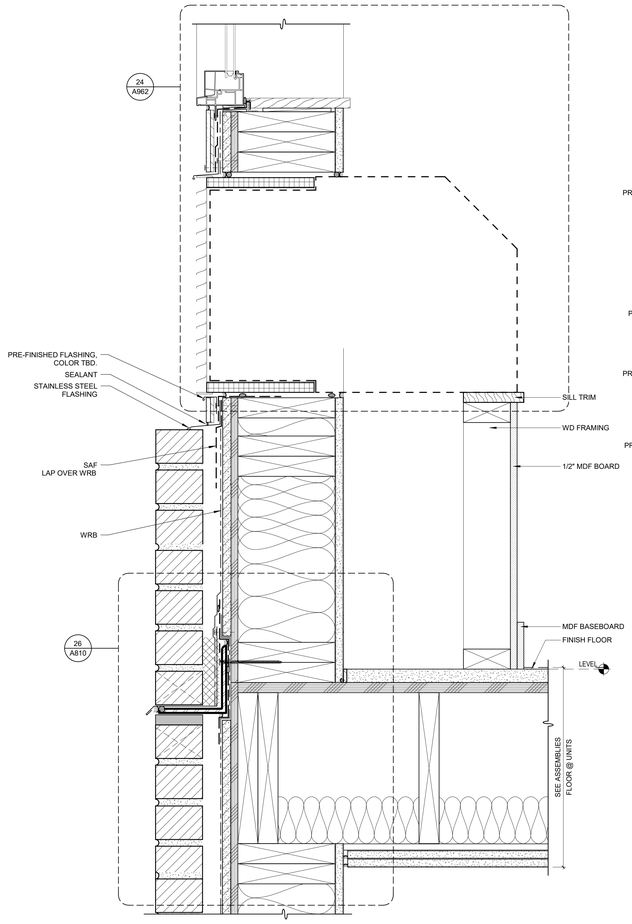


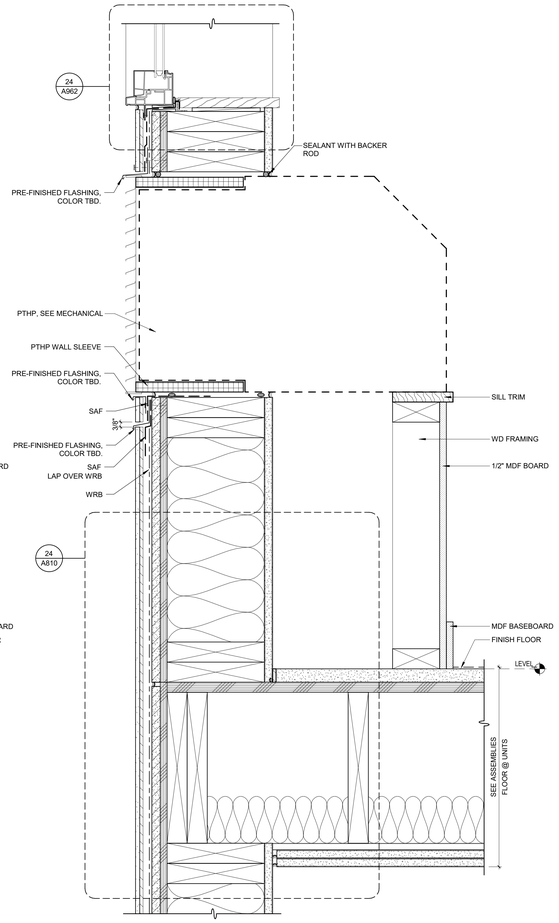
24 A962 WINDOW SILL @ FIBER CEMENT SIDING - SECTION
3" = 1'-0"



26 A962 WINDOW SILL @ BRICK- SECTION
3" = 1'-0"



41 A962 WINDOW SILL AT PTAC @ FIBER CEMENT SIDING / BRICK - SECTION
3" = 1'-0"



42 A962 WINDOW SILL AT PTAC @ FIBER CEMENT SIDING - SECTION
3" = 1'-0"

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
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ADDRESS:
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PUYALLUP, WA 98371

PROJECT NO.: 25129
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BUILDING PERMIT SET

11707 REGISTERED ARCHITECT John R. Wolfe STATE OF WASHINGTON

SHEET TITLE:
WINDOW DETAILS

SHEET NO.:
A962

C:\Revit_Local\25129 Puyallup Bell Place-2025-CENTRAL_jleymour_c2k.rvt
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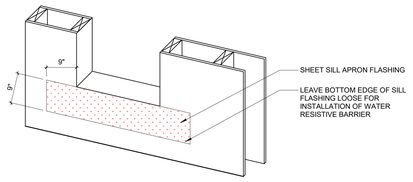
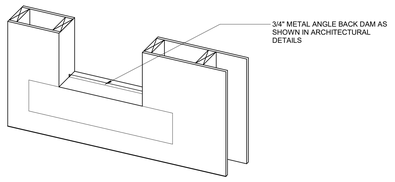
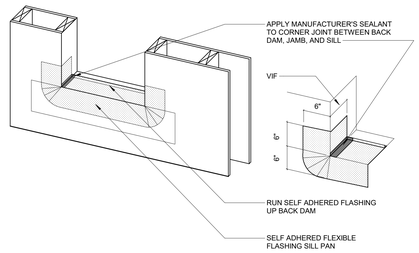
STEP 1: SILL PENETRATION FLASHING



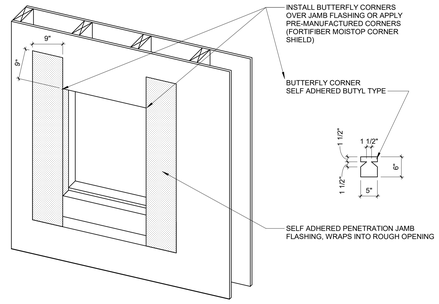
STEP 2: BACK DAM



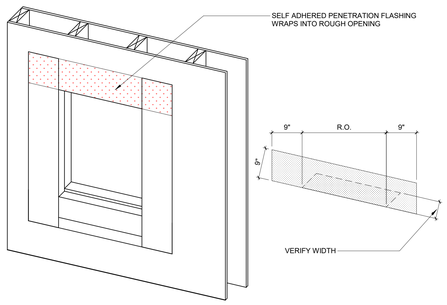
STEP 3: SELF ADHERED SILL PAN



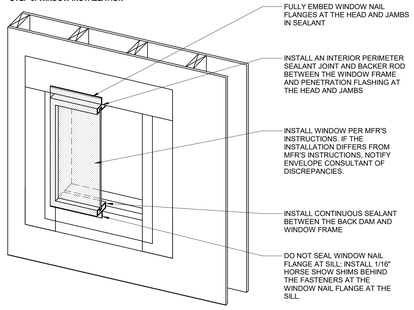
STEP 4: JAMB PENETRATION FLASHING



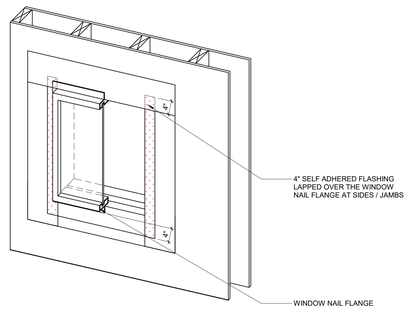
STEP 5: HEAD PENETRATION FLASHING



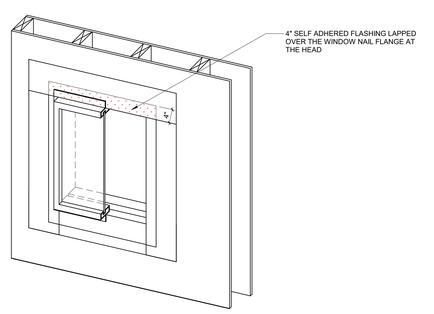
STEP 6: WINDOW INSTALLATION



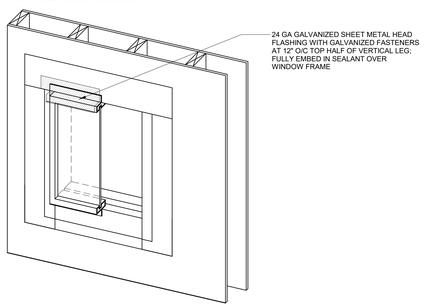
STEP 7: SELF ADHERED FLASHING AT JAMB NAIL FLANGES



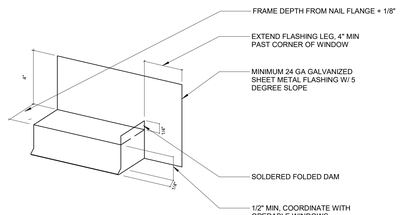
STEP 8: SELF ADHERED FLASHING AT HEAD FLANGE



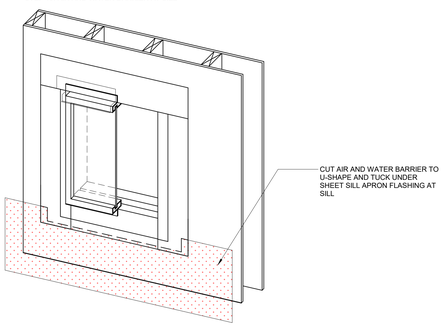
STEP 9: SHEET METAL HEAD FLASHING



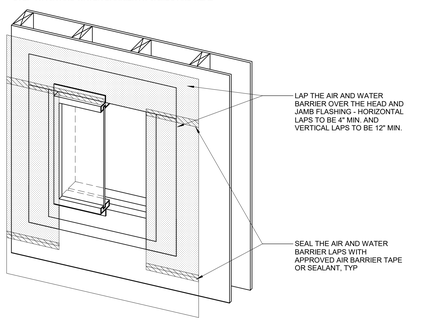
SHEET METAL HEAD FLASHING



STEP 10: AIR AND WATER BARRIER AT SILL



STEP 11: AIR AND WATER BARRIER AT JAMBS AND HEAD



1 / A963 WINDOW FLASHING SEQUENCE
3/4" = 1'-0"

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION: DESCRIPTION:

REPRODUCTION OF THIS DRAWING IS EXPRESSLY FORBIDDEN WITHOUT THE SPECIFIC WRITTEN PERMISSION OF C2K ARCHITECTURE INC. THIS DRAWING IS ONLY CONDITIONALLY ISSUED, AND NEITHER RECEIPT OR POSSESSION THEREOF CONFERS OR TRANSFERS ANY RIGHT TO, OR LICENSE TO, USE THE SUBJECT MATTER OF THIS DRAWING OR ANY TECHNICAL INFORMATION SHOWN THEREON, NOR ANY RIGHT TO REPRODUCE THIS DRAWING OR PART THEREOF, WITHOUT THE WRITTEN AUTHORIZATION OF C2K ARCHITECTURE INC.

11707 REGISTERED ARCHITECT
JOHN R. WUHR
STATE OF WASHINGTON

BUILDING PERMIT SET

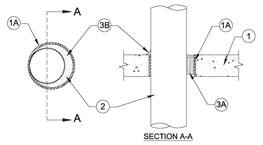
SHEET TITLE:
WINDOW FLASHING SEQUENCE

SHEET NO.:
A963

C:\Revit_Local\25129 Puyallup Bell Place-2025-CENTRAL_jleymour_c2k.rvt
3/18/2026 3:55:10 PM

System No. C-AJ-1427

March 05, 2007
F Rating – 3 Hr
T Rating – 0 Hr
W Rating – Class 1 (See Item 3)



SECTION A-A

1. **Floor or Wall Assembly** – Min 2-1/2 in. (64 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600 - 2400 kg/m^3) concrete floors or min 3 in. (76 mm) thick reinforced lightweight or normal weight concrete walls. Floor assembly may also be constructed of any min 6 in (152 mm) thick UL Classified hollow-core **Precast Concrete Units***. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening 12-3/4 in. (324 mm). Max diam of opening in floors constructed of hollow-core concrete is 7 in. (78 mm).

   See **Concrete Blocks** (CAZT) and **Precast Concrete Units** (CFTV) categories in Fire Resistance Directory for names of manufacturers.

1A. **Steel Sleeve** – (Optional) - Nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel sleeve cast or grouted into floor or wall assembly. Steel sleeve may be installed flush or may project max 2 in. (51 mm) beyond the floor or wall surfaces. As an alternate, nom 12 in. (305 mm) diam (or smaller) sleeve fabricated from nom 0.019 in. (0.48 mm) thick galv steel cast or grouted into floor or wall assembly flush with floor or wall surfaces.

2. **Through Penetrant** – One metallic pipe, conduit, tubing or flexible metal piping installed concentrically or eccentrically within opening. Annular space between penetrant and periphery of opening or sleeve shall be min of 0 in. (0 mm) (point contact) to max 2 in. (51 mm). Penetrant to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of penetrants may be used:
   A. **Steel Pipe** – Nom 10 in. (254 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. **Iron Pipe** – Nom 10 in. (254 mm) diam (or smaller) cast or ductile iron pipe.
   C. **Conduit** – Nom 6 in. (152 mm) diam (or smaller) steel conduit or nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing.
   D. **Copper Tubing** – Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tubing.
   E. **Copper Pipe** – Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.
   F. **Through Penetrating Product*** – **Flexible Metal Piping** – The following types of steel flexible metal gas piping may be used:
      1.) Nom 2 in. (51 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
      OMEGA FLEX INC
      2.) Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
      GASTITE, DIV OF TITEFLEX
      3.) Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
      WARD MFG INC

3. **Firestop System** – The details of the firestop system shall be as follows:
   A. **Packing Material** – Min 2 in. (51 mm) thickness of min 4 pcf (64 kg/m^3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or top edge of sleeve or from both surfaces of wall or both ends of sleeve as required to accommodate the required thickness of fill material. In floors constructed of hollow-core concrete, packing material to be recessed from top and bottom surfaces of floor or sleeve as required to accommodate the required thickness of fill material.
   B. **Fill, Void or Cavity Materials*** – **Caulk or Sealant** – Min 1/2 in. (13 mm) thickness of caulk applied within the annulus, flush with top surface of floor or top edge of sleeve or with both surfaces of wall or both ends of sleeves. In floors constructed of hollow-core concrete, min 1/2 in. (13 mm) thickness of caulk applied within the annulus, flush with top and bottom surfaces of floor or sleeve. Min 1/4 in. (6 mm) diam bead of caulk applied to the penetrant/concrete or penetrant/sleeve interface at the point contact location on the top surface of floor or both surfaces of wall or hollow-core.

      3M COMPANY – IC 15WB+, CP 25WB+ caulk or FB-3000 WT sealant
      (Note: W Rating applies only when FB-3000 WT is used.)

*Bearing the UL Classification Mark.

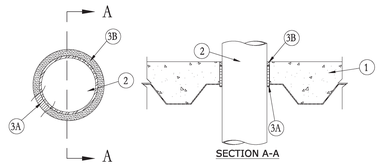
This material was extracted and drawn by 3M Fire Protection Products from the 2007 edition of the UL Fire Resistance Directory. cULus

UL System No. C-AJ-2637
XHEZ - Through-penetration Firestop Systems

September 12, 2018

F Rating — 2 & 3 Hr (See Item 2)

T Rating — 1-1/2 Hr



SECTION A-A

1. **Wall Assembly** – Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Wall may also be constructed of any UL Classified **Concrete Blocks***. Floor assembly may also be constructed of any min 6 in. (152 mm) thick UL Classified hollow-core **Precast Concrete Units*** Max diam of opening is 5 in. (127 mm).

   See **Concrete Blocks** (CAZT) and **Precast Concrete Units** (CFTV) category in the Fire Resistance Directory for names of manufacturers.

1A. Floor Assembly (As an alternate to Item 1) – The fire-rated unprotected concrete and steel floor assembly shall be constructed of the materials and in the manner specified in the individual D900 Series designs in the UL Fire Resistance Directory and as summarized below:

   A. Concrete – Min 2 1/2 in. (64 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m^3) concrete topping, as measured from the top of the steel floor units.

   B. Steel Floor and Form Units* – Composite or noncomposite 1-1/2, 2 or 3 in. (38, 51 or 76 mm) deep fluted galv units as specified in the individual Floor-Ceiling design. Diam of opening through floor to be 1/2 to 5/8 in. (13 to 16 mm) larger than the outside diam of through-penetrant (Item 2). Max diam of opening is 5 in. (127 mm).

2. **Through Penetrants** – One nonmetallic pipe or conduit to be installed concentrically within the firestop system. The annular space between the pipe or conduit and the periphery of the opening shall be 1/4 in. (6 mm). Circular opening size must be 1 in. (25 mm) larger than the nominal pipe size. Pipe or conduit to be rigidly supported on both sides of the floor or wall assembly. The following types and sizes of nonmetallic pipes or conduits may be used:

   A. Polyvinyl Chloride (PVC) Pipe – Nom 4 in. (102 mm) diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems. (See Item 3C below.)

   B. Chlorinated Polyvinyl Chloride (CPVC) Pipe – Nom 4 in. (102 mm) diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) piping systems. (See Item 3C below.)

   C. Fire Retardant Polypropylene (FRPP) Pipe – Nom 4 in. (102 mm) diam (or smaller) Schedule 40 FRPP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

   D. Rigid Nonmetallic Conduit* – Nom 4 in.(102 mm) diam (or smaller) Schedule 40 PVC conduit installed in accordance with Article 347 of the National Electrical Code (NFPA No. 70).

   Cellular core PVC pipe (Item 2A) limited to a maximum 2 Hr F Rating.

UL System No. C-AJ-2637 (cont.)

3. **Firestop System** – The firestop system shall consist of the following:
   A. Fill, Void or Cavity Materials* – Wrap Strip – Min 3/16 in. (5 mm) thick intumescent material supplied in 2-1/2 in. (64 mm) wide strips. Single layer of pre-cut wrap strip tightly wrapped around nonmetallic pipe and secured with the adhesive closure tab. When installed in floors, wrap strip is to be recessed within the opening such that the bottom of the wrap strip layer is min 1/4 in. (6 mm) below the bottom surface of floor. For wall assemblies, wrap strip is to be installed on both sides of wall and installed in the wall such that the wrap strip is extending 5/8 in. (16 mm) from both surfaces of wall.

   3M COMPANY 3M FIRE PROTECTION PRODUCTS – Tuck-In Wrap Strip WS 200, WS 300 or WS 400

   B. Fill, Void or Cavity Materials* – Caulk or Sealant – Min 1/4 in. (6 mm) thickness of sealant applied within annular space, flush with top surface of floor. When hollow-core Precast concrete units are used, min 1/2 in. (13 mm) thickness of sealant applied within annular space, flush with top and bottom surfaces of floor. Wall assemblies are to have a min 1/4 in. (6 mm) diam bead of sealant applied to concrete or concrete block/wrap strip interface on both sides of wall.

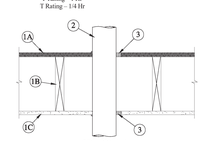
   3M COMPANY 3M FIRE PROTECTION PRODUCTS – IC 15WB+ Caulk, CP 25WB+ Caulk, or 3000 WT Sealant (CP 25WB+ not suitable for use with CPVC pipes)

   C. Foil Tape – (Not Shown) — Required only when CPVC penetrant (Item 2B) is used. Nom 4 in. (102 mm) wide, 3 mil thick aluminum tape installed around pipe prior to installation of wrap strip. Foil tape is to be positioned such that it will be centered under the wrap strip material with adhesive side out.

CERTIFIED
Control No. R9700
Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification [such as Canada], respectively.

System No. F-C-1094

May 18, 2005
F Rating – 1 Hr
T Rating – 1-1/4 Hr



SECTION A-A

1. **Floor-Ceiling Assembly** – The 1 hr fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory.
   The general construction details of the floor-ceiling assembly are summarized below:
   A. **Flooring System** – Lumber or plywood subfloor with finish floor of lumber, plywood or **Floor Topping Mixture*** as specified in the individual Floor-Ceiling Design. Max diam of opening is 5-1/2 in. (140 mm).
   B. **Wood Joists** – Nom 10 in. (254 mm) deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or **Structural Wood Members*** with bridging as required and with ends firestopped.
   C. **Gypsum Board*** – Nom 4 ft (122 cm) wide by 5/8 in. (16 mm) thick as specified in the individual Floor-Ceiling Design. Max diam of opening is 5-1/2 in. (140 mm).

1.1 **Chase Wall** (Optional, not. shown) – The through penetrants (Item No. 2) may be routed through a fire-rated single, double or staggered wood stud gypsum board chase wall having a fire rating consistent with that of the floor-ceiling assembly. The chase wall shall be constructed of the materials and in the manner specified in the individual L500 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs** – Nom 2 by 6 in. (51 by 152 mm) or double nom 2 by 4 in. (51 by 102 mm) lumber studs.
   B. **Sole Plate** – Nom 2 by 6 in. (51 by 152 mm) or parallel 2 by 4 in. (51 by 102 mm) lumber plates, tightly butted. Max diam of opening is 5-1/2 in. (140 mm).
   C. **Top Plate** – The double top plate shall consist of two nom 2 by 6 in. (51 by 152 mm) or two sets of parallel 2 by 4 in. (51 by 102 mm) lumber plates, tightly butted. Max diam of opening is 5-1/2 in. (140 mm).
   D. **Gypsum Board*** – Thickness, type, number of layers and fasteners shall be as specified in individual Wall and Partition Design.

2. **Through Penetrants** – One or more metallic pipes, conduits, tubes or flexible metal pipes installed concentrically or eccentrically within opening. Annular space between penetrants and periphery of opening to be min 0 in. (point contact) to max 3-3/8 in. (0 mm to max 35 mm). Penetrants to be rigidly supported on both sides of floor-ceiling. The following types and sizes of penetrants may be used:
   A. **Steel Pipe** – Nom 4 in. (102 mm) diam (or smaller) Schedule 5 (or heavier) steel pipe.
   B. **Iron Pipe** – Nom 4 in. (102 mm) diam (or smaller) cast or ductile iron pipe.
   C. **Conduit** – Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT) or nom 6 in. (152 mm) rigid steel conduit.
   D. **Copper Tubing** – Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tubing.
   E. **Copper Pipe** – Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.
   F. **Through Penetrating Product*** – **Flexible Metal Piping** – The following types of steel flexible metal gas piping may be used:
      1. Nom 2 in. (51 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
      OMEGA FLEX INC.
      2. Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
      TITEFLEX CORP. a BUNDY CO.
      3. Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
      WARD MFG INC.

3. **Fill, Void or Cavity Materials*** – **Caulk or Sealant** – Min 3/4 in. (19 mm) thickness of caulk applied within annulus, flush with top surface of floor or sole plate. Min 5/8 in. (16 mm) thickness of caulk applied within annulus, flush with bottom surface of ceiling or top plate. Min 1/4 in. (6 mm) diam bead of caulk applied at point contact locations at penetrant floor or sole plate interface on top surface of floor or sole plate and at penetrant/ceiling or top plate interface.

   3M COMPANY – IC 15WB+, CP 25WB+ caulk or FB-3000 WT sealant.

*Bearing the UL Classification Marking

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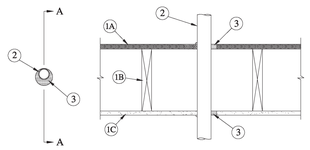
System No. F-C-2241

May 18, 2005
F Rating – 1 Hr
T Rating – 0 Hr



SECTION A-A

1. **Floor-Ceiling Assembly** – The 1 hr fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory. The general construction details of the floor-ceiling assembly are summarized below:
   A. **Flooring System** – Lumber or plywood subfloor with finish floor of lumber, plywood or **Floor Topping Mixture*** as specified in the individual Floor-Ceiling Design. Diam of opening shall min 5/8 in. (16 mm) to max 1-1/8 in. (29 mm) larger than nom pipe diam.
   B. **Wood Joists** – Nom 10 in. (254 mm) deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or **Structural Wood Members*** with bridging as required and with ends firestopped.
   C. **Gypsum Board*** – Nom 4 ft (122 mm) wide by 5/8 in. (16 mm) thick as specified in the individual Floor-Ceiling Design. Diam of opening shall min 5/8 in. (16 mm) to max 1-1/8 in. (29 mm) larger than nom pipe diam.

1.1 **Chase Wall** – (Optional, not. shown) - The through penetrants (Item No. 2) may be routed through a fire-rated single, double or staggered wood stud gypsum board chase wall having a fire rating consistent with that of the floor-ceiling assembly. The chase wall shall be constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs** – Nom 2 by 6 in. (51 by 152 mm) or double nom 2 by 4 in. (51 by 102 mm) lumber studs.
   B. **Sole Plate** – Nom 2 by 6 in. (51 by 152 mm) or parallel 2 by 4 in. 51 by (102 mm) lumber plates, tightly butted. Diam of opening shall min 5/8 in. (16 mm) to max 1-1/8 in. (29 mm) larger than nom pipe diam.
   C. **Top Plate** – The double top plate shall consist of two nom 2 by 6 in. (51 by 152 mm) or two sets of parallel 2 by 4 in. (51 by 102 mm) lumber plates, tightly butted. Diam of opening shall min 5/8 in. (16 mm) to max 1-1/8 in. (29 mm) larger than nom pipe diam.
   D. **Gypsum Board*** – Thickness, type, number of layers and fasteners shall be as specified in individual Wall and Partition Design.

2. **Through Penetrants** – One nonmetallic pipe or conduit installed eccentrically or concentrically within opening. Annular space between penetrant and periphery of opening to be min 0 in. (point contact) to max 1-1/8 in. (0 to max 29 mm) Penetrant to be rigidly supported on both sides of wall. The following types and sizes of penetrants may be used:
   A. **Polyvinyl Chloride (PVC) Pipe** – Nom 2 in. (51 mm) diam (or smaller) Schedule 40 solid core or cellular core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
   B. **Chlorinated Polyvinyl Chloride (CPVC) Pipe** – Nom 2 in. (51 mm) diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) piping systems.
   C. **Rigid Nonmetallic Conduit*** – Nom 2 in. (51 mm) diam (or smaller) Schedule 40 PVC conduit installed in accordance with Article 347 of the National Electrical Code (NFPA No. 70).
   D. **Acrylonitrile Butadiene Styrene (ABS) Pipe** – Nom 1-1/2 in. (38 mm) diam (or smaller) Schedule 40 solid core or cellular core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

3. **Fill, Void or Cavity Materials*** – **Caulk or Sealant** – Min 3/4 in. (19 mm) thickness of caulk applied within annulus, flush with top surface of floor or sole plate. Min 5/8 in. (16 mm) thickness of caulk applied within annulus, flush with bottom surface of ceiling or top plate. Min 1/4 in. (6 mm) diam bead of caulk applied at point contact locations at penetrant floor or sole plate interface on top surface of floor or sole plate and at penetrant/ceiling or top plate interface.

   3M COMPANY – IC 15WB+, CP 25WB+ caulk or FB-3000 WT sealant
   (Note: CP 25WB+ not suitable for use with CPVC pipes.)

*Bearing the UL Classification Mark

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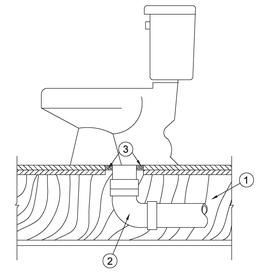
System No. F-C-2349

July 30, 2009
F Rating – 1 Hr
T Rating – 1 Hr



1. **Floor-Ceiling Assembly** – The 1 hr fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory. The general construction details of the floor-ceiling assembly are summarized below:
   A. **Flooring System** – Lumber or plywood subfloor with finish floor of lumber, plywood or **Floor Topping Mixture*** as specified in the individual Floor-Ceiling Design. Diam of opening shall be 1 in. (25 mm) larger than diam of pipe. Max diam of opening is 5-1/2 in. (140 mm).
   B. **Wood Joists** – Nom 10 in. (254 mm) deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or **Structural Wood Members*** with bridging as required and with ends firestopped.
   C. **Gypsum Board*** – Nom 4 ft (1.2 m) wide by 5/8 in. (16 mm) thick as specified in the individual Floor-Ceiling Design.

2. **Nonmetallic Pipe** – One nonmetallic drain pipe with max 4 in. (102 mm) diam toilet flange installed within the firestop system. The annular space between drain pipe and periphery of opening shall be min 0 in. (point contact) to max 1 in. (25 mm). Pipe to be rigidly supported on lower side of floor assembly. Pipe to be rigidly supported on lower side of floor assembly. The following types and sizes of nonmetallic pipes, fittings and flanges may be used:
   A. **Polyvinyl Chloride (PVC) Pipe** – Nom 4 in. (102 mm) diam (or smaller) Schedule 40 solid core or cellular core PVC pipe for use in vented (drain, waste or vent) piping system.
   B. **Acrylonitrile Butadiene Styrene (ABS) Pipe** – Nom 4 in. (102 mm) diam (or smaller) Schedule 40 cellular core or solid core ABS pipe for use in vented (drain, waste or vent) piping systems.

3. **Fill, Void or Cavity Materials*** – **Caulk or Sealant** – Min 1/2 in. (13 mm) thickness of caulk applied within annular space around perimeter of pipe (Item 2). flush with top surface of floor.

   3M COMPANY – IC 15WB+, CP 25WB+, FB-3000WT

4. **Water Closet** – Floor mounted vitreous china water closet.

*Bearing the UL Classification Mark

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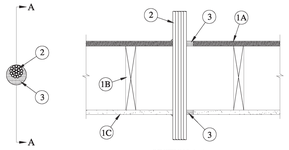
System No. F-C-3070

May 19, 2005
F Rating – 1 Hr
T Rating – 1 Hr



SECTION A-A

1. **Floor-Ceiling Assembly** – The 1 hr fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory. The general construction details of the floor-ceiling assembly are summarized below:
   A. **Flooring System** – Lumber or plywood subfloor with finish floor of lumber, plywood or **Floor Topping Mixture*** as specified in the individual Floor-Ceiling Design. Max diam of opening is 3 in. (76 mm).
   B. **Wood Joists** – Nom 10 in. (254 mm) deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or **Structural Wood Members*** with bridging as required and with ends firestopped.
   C. **Gypsum Board*** – Nom 4 ft (122 cm) wide by 5/8 in. (16 mm) thick as specified in the individual Floor-Ceiling Design. Max diam of opening is 3 in. (76 mm).

1.1 **Chase Wall** (Optional, not. shown) – The through penetrants (Item No. 2) may be routed through a fire-rated single, double or staggered wood stud gypsum board chase wall having a fire rating consistent with that of the floor-ceiling assembly. The chase wall shall be constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs** – Nom 2 in. by 6 in. (51 mm by 152 mm) or double nom 2 in. by 4 in. (51 mm by 102 mm) lumber studs.
   B. **Sole Plate** – Nom 2 in. by 6 in. (51 mm by 152 mm) or parallel 2 in. by 4 in. (51 mm by 102 mm) lumber plates, tightly butted. Max diam of opening is 3 in. (76 mm).
   C. **Top Plate** – The double top plate shall consist of two nom 2 in. by 6 in. (51 mm by 152 mm) or two sets of parallel 2 in. by 4 in. (51 mm by 102 mm) lumber plates, tightly butted. Max diam of opening is 3 in. (76 mm).
   D. **Gypsum Board*** – Thickness, type, number of layers and fasteners shall be as specified in individual Wall and Partition Design.

2. **Cables** – Max 2 in. diam cable bundle installed eccentrically or concentrically within opening. Annular space between cable bundle and periphery of opening to be min 0 in. (point contact) to max 1 in. (0 mm to 25 mm). Cable bundle to be rigidly supported on both sides of wall. The following types and sizes of cables may be used:
   A. Max 200 pair No. 22 AWG (or smaller) copper conductor with polyvinyl chloride (PVC) insulation and jacketing material.
   B. Max 1 C No. 350 kcmil (or smaller) copper conductor cable with cross-linked polyethylene (XLPE) or PVC jacket.
   C. Max 7 C No. 12 AWG (or smaller) copper conductor power and control cables with XLPE or PVC insulation with XLPE or PVC jacket.
   D. Max 3 C No. 2/0 AWG (or smaller) copper or aluminum conductor SER cables with XLPE or PVC insulation and jacket.
   E. Max 4 C No. 2/0 AWG (or smaller) copper conductor, aluminum clad or steel clad TECK. 90 cable with or without PVC jacketed.
   F. Max 1 I.0 125 fiber optic (FO.) cable with PVC insulation and jacket.
   G. Max 3 C with ground No. 8 AWG (or smaller) copper conductor NM cable with PVC insulation and jacket.
   H. Max RG/U coaxial cable with fluorinated ethylene insulation and jacket.
   I. Max 4 pair No. 24 AWG (or smaller) copper conductor data cable with HyJar jacket and insulation.
   J. **Through-Penetrating Product*** – Any cables, **Armored Cable**‡ or **Metal Clad Cable**‡ currently Classified under the Through Penetrating Product category.

   See **Through Penetrating Product** (XHJY) category in the Fire Resistance Directory for names of manufacturers

3. **Fill, Void or Cavity Materials*** – **Caulk or Sealant** – Min 3/4 in. (19 mm) thickness of caulk applied within annulus, flush with top surface of floor or sole plate. Min 5/8 in. (16 mm) thickness of caulk applied within annulus, flush with bottom surface of ceiling or top plate. Min 1/4 in. (6 mm) diam bead of caulk applied at point contact locations at cable bundle floor or sole plate interface on top surface of floor or sole plate and at cable bundle/ceiling or top plate interface.

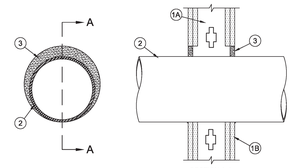
   3M COMPANY – CP 25WB+, IC 15WB+ caulk or FB-3000 WT sealant

*Bearing the UL Classification Marking

This material was extracted and drawn by 3M Fire Protection Products from the 2007 edition of the UL Fire Resistance Directory. cULus

System No. W-L-1296

February 14, 2008
F Ratings – 1 and 2 Hr (See Item 1)
T Ratings – 0 and 1/4 Hr (See Item 1)



SECTION A-A

1. **Wall Assembly** – The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs** – Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide spaced max 24 in. (610 mm) OC.
   B. **Gypsum Board*** – The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Design in the UL Fire Resistance Directory. Max diam of opening is 5 in. (127 mm).

   The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed. The hourly T Rating is 0 hr.

   1A. **Sleeve** — (Optional, Not Shown) — Cylindrical sleeve fabricated from min 28 ga galv sheet steel and having a min 1 in. (25 mm) lap along the longitudinal seam friction fit into wall opening, installed flush with or extending max 5/8 in. (16 mm) beyond both wall surfaces.

2. **Through Penetrants** — One nonmetallic pipe or conduit concentrically or eccentrically within the firestop system. The annular space between penetrant and periphery of opening or sleeve shall be min 3/8 in. (10 mm) to max 5/8 in. (16 mm). Penetrant to be rigidly supported on both sides of wall assembly. The following types and sizes of nonmetallic pipes or conduits:
   A. **Polyvinyl Chloride (PVC) Pipe** — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 solid core or cellular core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
   B. **Chlorinated Polyvinyl Chloride (CPVC) Pipe** — Nom 4 in. (102 mm) diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems. (See Item 3C below.)
   C. **Fire Retardant Polypropylene (FRPP) Pipe** — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 FRPP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
   D. **Rigid Nonmetallic Conduit*** — Nom 4 in (102 mm) diam (or smaller) Schedule 40 PVC conduit installed in accordance with the National Electrical Code (NFPA No. 70).

3. **Firestop System** — The firestop system shall consist of the following:
   A. **Fill, Void or Cavity Materials* - Wrap Strip** — Min 3/16 in. (5 mm) thick intumescent material supplied in 2-1/2 in. (64 mm) wide strips. Single layer of pre-cut wrap strip tightly wrapped around nonmetallic pipe and secured with the adhesive closure tab. Wrap strip to be slid into opening or sleeve such that the outer edge of wrap strip extends nom 5/8 in. (16 mm) from both surfaces of wall.

   3M COMPANY 3M FIRE PROTECTION PRODUCTS — Tuck-In Wrap Strip WS 200, WS 300 or WS 400

   B. **Fill, Void or Cavity Material* - Caulk or Sealant** — Min 1/4 in. (6 mm) diam bead of sealant applied to gypsum board or sleeve/wrap strip interface on both sides of wall.

   3M COMPANY 3M FIRE PROTECTION PRODUCTS — IC 15WB+, CP 25WB+ or FB-3000 WT sealant (CP 25WB+ not suitable for use with CPVC pipes).

System No. W-L-2551 *continued*

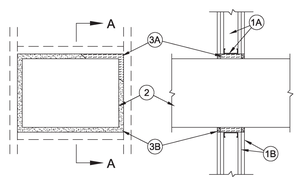
C. **Foil Tape (Not Shown) —** Required only when CPVC penetrant (Item 2B) is used. Nom 4 in. (102 mm) wide, 3 mil thick aluminum tape installed around pipe prior to installation of wrap strip. Foil tape is to be positioned such that it will be centered under the wrap strip material with adhesive side out.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

cULus

System No. W-L-7191

March 30, 2009
F Ratings – 1 and 2 Hr (See Item 1)
T Rating – 0 Hr
L Rating At Ambient – Less Than 1 CFM/sq ft
L Rating At 400 F – Less Than 1 CFM/sq ft



SECTION A-A

1. **Wall Assembly** – The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs** – Wall framing shall consist of steel channel studs. Steel studs to be min 6 in. (152 mm) wide and spaced max 24 in. (60 mm) OC. Additional framing members shall be used to completely frame around opening.
   B. **Gypsum Board*** – Min 5/8 in. (16 mm) thick, 4 ft (121 cm) wide with square or tapered edges. The gypsum board type, thickness, number of layers and orientation shall be as specified in the individual U400 or V400 Wall and Partition Design. Max area of opening is 676 sq in. (4362 sq cm) with a max dimension of 26 in.

   The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

2. **Steel Duct** – Max 24 by 24 in. (610 by 610 mm) No. 22 gauge (or heavier) steel duct to be installed either concentrically or eccentrically within the opening. The annular space shall be min 3/4 in. (19 mm) to max 1-1/2 in (38 mm). Duct to be rigidly supported on both sides of wall assembly.

3. **Firestop System** – The firestop system shall consist of the following:
   A. **Packing Material** – Min 6 in. (152 mm) or 7-1/4 in. (184 mm) thickness of min 4 pcf (64 kg/m^3) mineral wool batt insulation for 1 or 2 hr rated walls, respectively. Mineral wool to be firmly packed into opening as a permanent form and recessed from both surfaces of wall to accommodate the required thickness of fill material.
   A1. **Forming Material*** – As an alternate to the packing material in Item 3A, nom 4 in. (102 mm) wide strips of min 1/2 in (13 mm) thick compressible mat to be stacked to a thickness greater than the width of the annular space and compression-fitted, edge-first, to fill the annular space to a min 6 in. (152 mm) depth for 1 hr rated walls and min 7-1/4 in. depth for 2 hr rated walls. Forming material to be recessed from both surfaces of wall as necessary to accommodate the required thickness of fill material.

   3M COMPANY
   3M FIRE PROTECTION PRODUCTS – Fire Barrier Packing Material

   B. **Fill Void or Cavity Material*** – **Caulk** – Min 5/8 in. (16 mm) thickness of fill material applied within annular space, flush with both sides of wall.

   3M COMPANY
   3M FIRE PROTECTION PRODUCTS – FB-3000 WT, IC 15WB+ or CP 25WB+

*Bearing the UL Classification Mark

This material was extracted and drawn by 3M Fire Protection Products from the 2009 edition of the UL Fire Resistance Directory. cULus

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: JS/MB
DATE: 20 MARCH 2026
BUILDING PERMIT SET
REVISION: D

GENERAL:
STRUCTURAL DRAWINGS ARE A PORTION OF THE CONTRACT DOCUMENTS AND ARE INTENDED TO BE USED WITH ARCHITECTURAL, MECHANICAL, PLUMBING, CIVIL, LANDSCAPE, AND ELECTRICAL DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE REQUIREMENTS FROM THESE DRAWINGS INTO THEIR SHOP DRAWINGS AND WORK.

THESE GENERAL NOTES SUPPLEMENT THE PROJECT SPECIFICATIONS. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS, NOTES AND DETAILS ON THE STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER THE GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.

CODE REQUIREMENTS:
CONFORM TO THE 2021 WASHINGTON STATE BUILDING CODE, BASED ON THE 2021 INTERNATIONAL BUILDING CODE (IBC).

TEMPORARY CONDITIONS:
THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES.

SUBMITTALS:
SHOP DRAWINGS SHALL BE REQUIRED FOR THE FOLLOWING ITEMS:

	ITEMS	SUBMITTALS	DEFERRED SUBMITTALS
•	CONCRETE MIX DESIGNS	X	
•	CONCRETE REINFORCEMENT	X	
•	STRUCTURAL STEEL	X	
•	STOREFRONT, WINDOWS, LOUVERS, AND THEIR CONNECTIONS TO THE STRUCTURE	X	X
•	MEP EQUIPMENT BRACING	X	X
•	ROOF TRUSSES	X	X
•	BUILDING SIGNAGE	X	X
•	SOFFITS AND CEILINGS SUSPENDED FROM THE STRUCTURE INCLUDING T-BAR, GYPSUM, HARDWOOD WITH JOINTS AND BRACING PER THE CURRENT IBC	X	X
•	CONTINUOUS THREADED ROD	X	X
•	ROOFTOP ANCHORAGE	X	X
•	GUARDRAILS AND HANDRAILS	X	X
•	POST TENSION REINFORCEMENT DRAWINGS AND CALCULATIONS	X	X
•	ALUMINUM BOLT ON BALCONIES	X	X
•	RAMMED AGGREGATE PIERS	X	X
•	METAL STAIRS	X	X

THE CONTRACTOR SHALL REVIEW AND STAMP THE SHOP DRAWINGS PRIOR TO SUBMISSION TO THE ARCHITECT OF RECORD. SUBMIT DRAWINGS AND CALCULATIONS AS PDF FILES.

DEFERRED SUBMITTALS SHALL BE FORWARDED TO THE BUILDING OFFICIAL FOR REVIEW IN ACCORDANCE WITH IBC 107.3.4.2.

SHOP DRAWINGS ARE NOT A PART OF CONTRACT DOCUMENTS. THEREFORE, ARCHITECT OF RECORD OR STRUCTURAL ENGINEER OF RECORD REVIEW DOES NOT CONSTITUTE AN AUTHORIZATION TO DEVIATE FROM TERMS AND CONDITIONS OF THE CONTRACT.

THE CONTRACTOR SHALL COORDINATE SEISMIC RESTRAINTS OF MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT, MACHINERY, AND ASSOCIATED PIPING WITH THE STRUCTURE. CONNECTIONS TO STRUCTURE SHALL CONFORM TO ASCE 7 CHAPTER 13, BE DESIGNED BY AN SPECIALTY STRUCTURAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT OCCURS, AND SHALL BE SUBMITTED TO THE ARCHITECT OF RECORD PRIOR TO FABRICATION AND ARE SUBJECT TO REVIEW AND ACCEPTANCE BY THE STRUCTURAL ENGINEER OF RECORD.

DESIGN CRITERIA:

ROOF LIVE LOAD	20 PSF LL	REDUCED PER ASCE 7	
STAIRS	100 PSF LL	NOT REDUCED	2000# POINT LOAD
RESIDENTIAL	40 PSF LL	REDUCED PER ASCE 7	1000# POINT LOAD
CORRIDORS	80 PSF LL	REDUCED PER ASCE 7	2000# POINT LOAD
BALCONY	60 PSF LL	NOT REDUCED	
ROOF TOP TERRACE	100 PSF LL	NOT REDUCED	

DEFLECTION CRITERIA FOR TYPICAL FLOORS — LL/600, SL/360, TL/240
DEFLECTION CRITERIA FOR ROOF TRUSSES — 1" MAXIMUM INCLUDING CREEP

OTHER TRADES TO DESIGN THEIR SYSTEMS TO ACCOMMODATE 3'-8" WOOD SHRINKAGE PER FLOOR.

SNOW:
CASE 1 - MINIMUM FLAT ROOF SNOW LOAD = 25 PSF
CASE 2 - FLAT ROOF SNOW LOAD PLUS DRIFT BASE ON

GROUND SNOW LOAD	Pg = 20 PSF
FLAT ROOF SNOW LOAD	Pf = 14 PSF
SNOW EXPOSURE FACTOR	Ce = 1.0
IMPORTANCE FACTOR	Is = 1.0
THERMAL FACTOR	Ct = 1.0

SEISMIC:

OCCUPANCY CATEGORY	II
SEISMIC DESIGN CATEGORY	D
SITE CLASS	D
IMPORTANCE FACTOR	Ie = 1.0
MCE ACCELERATION	Ss = 1.273g , S1 = 0.438g
SITE AMPLIFICATION	Fa = 1.0g, Fv = 1.862g
DESIGN ACCELERATION	Sds = 0.849g , Sd1 = 0.544g

SLRS LEVEL 1	SPECIAL REINFORCED CONCRETE SHEAR WALLS
RESPONSE MODIFICATION	5.0
SEISMIC RESPONSE COEFFICIENT	Cs = 0.17
BASE SHEAR (ULTIMATE)	0.17W
REDUNDANCY FACTOR	1.3
SLRS UPPER FLOORS	PLYWOOD SHEAR WALLS
RESPONSE MODIFICATION	6.5
SEISMIC RESPONSE COEFFICIENT	Cs = 0.13
BASE SHEAR (ULTIMATE)	0.13W
REDUNDANCY FACTOR	1.0

WIND:

ULTIMATE DESIGN WIND SPEED	Vult = 98 MPH (3 SECOND GUST) PER ASCE 7
EXPOSURE	B
RISK CATEGORY	II

GEOTECHNICAL:
DESIGN BASED ON QUALITY GEO NW DATED MARCH 13, 2026

ALLOWABLE SOIL PRESSURE — 3000 PSF DL + LL, 4000 PSF DL + LL + WIND/EQ

SEE GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION AND OTHER INFORMATION.

STORY DRIFT:
THE PRIMARY STRUCTURE WILL EXPERIENCE LATERAL MOVEMENTS BETWEEN ADJACENT FLOORS. THE STORY DRIFTS PERPENDICULAR AND/OR PARALLEL TO THE PRIMARY STRUCTURE ARE AS FOLLOWS.

SEISMIC DRIFT

LEVEL	DESIGN STORY DRIFT
2	2.56"
3	2.11"
4	2.48"
5	2.48"
R	1.56"

WIND DRIFT

LEVELS	DESIGN STORY DRIFT
ALL LEVELS	H/400

WHERE REQUIRED BY THE BUILDING CODE, NON-STRUCTURAL COMPONENTS INCLUDING EXTERIOR CLADDING; STAIRS, ELEVATORS, AND MISCELLANEOUS METALS; MECHANICAL/ELECTRICAL/PLUMBING SYSTEM SUPPORTS; INTERIOR METAL STUD FRAMING; AND ANY OTHER ELEMENTS REQUIRED BY THE BUILDING CODE SHALL BE DESIGNED TO ACCOMMODATE THE PRIMARY STRUCTURE STORY DRIFTS WITH ANY APPLICABLE ELEMENT- SPECIFIC MODIFICATIONS PER CHAPTER 13 OF ASCE 7.

CONCRETE:
PROVIDE NORMAL WEIGHT AGGREGATES OF NATURAL SAND AND ROCK COMPLYING WITH ASTM C33.

PROVIDE PORTLAND CEMENT CONFORMING TO ASTM C150, TYPE II.

PROVIDE NORMAL WEIGHT CONCRETE(145pcf), WITH PROVEN SHRINKAGE CHARACTERISTICS OF LESS THAN 0.04% FOR SLABS ON GRADE AND PT SLABS AND ATTAINING MINIMUM COMPRESSIVE STRENGTHS AT 28 DAYS (f'c) AS FOLLOWS:

PT SLAB	5000 PSI
COLUMNS	5000 PSI
SHEAR WALLS	5000 PSI
CONTINUOUS FOOTINGS	4000 PSI
SPREAD FOOTINGS	4000 PSI
SLABS ON GRADE	4000 PSI
OTHER WALLS	4000 PSI

FOR EXPOSED CORNERS OF COLUMNS, BEAMS, WALLS, ETC, WITH 3/4" CHAMFERS UNLESS NOTED OTHERWISE.

ROUGHEN EXISTING CONCRETE SURFACE TO A FULL AMPLITUDE OF 1/16" WHERE EXISTING CONCRETE ABUTS NEW CONCRETE.

SLUMP NOT TO EXCEED 4" (+/- 1")

DO NOT USE CONCRETE OR GROUT CONTAINING CHLORIDES.

MAINTAIN CONCRETE ABOVE 50 DEGREES FAHRENHEIT AND IN A MOIST CONDITION FOR A MINIMUM
OF 7 DAYS AFTER PLACEMENT UNLESS OTHERWISE ACCEPTED BY STRUCTURAL ENGINEER OF RECORD.

STRUCTURAL STEEL:
ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS". BOLTED CONNECTIONS SHALL BE TIGHTENED TO A SNUG TIGHT CONDITION UNLESS NOTED OTHERWISE ON PLAN. ALL BOLTS ARE TO BE A325-N UNLESS NOTED OTHERWISE. REFER TO DRAWINGS FOR CONNECTIONS. IF CONNECTIONS ARE NOT SHOWN, FABRICATOR SHALL DESIGN CONNECTIONS FOR BEAM UNIFORMLY LOADED TO CAPACITY.

ASTM A992 (W-SHAPES AND WT-SHAPES)	FY = 50 KSI
ASTM A500 GRADE B (SQUARE, ROUND AND RECTANGULAR HSS SHAPES)	FY = 46 KSI
ASTM A36 (ANGLE, CHANNELS, PLATES, AND OTHER STRUCTURAL SHAPES	FY = 36 KSI
E70XX (SMAW PROCESS WELDING)	
E80XX (A706 REBAR)	
ASTM A325-N (BOLTS)	
ASTM A563 (HEAVY HEX NUT)	
ASTM A108 (HEADED SHEAR STUDS)	

DETAILING AND ERECTION OF STRUCTURAL STEEL AND OPEN WEB STEEL JOISTS SHALL COMPLY WITH CURRENT OSHA STANDARDS FOR THE CONSTRUCTION INDUSTRY - SUBPART R - STEEL ERECTION.

ALL STEEL COLUMNS AND BEAMS WITHIN WOOD STUD OR STEEL STUD WALLS SHALL MEET CLOSER DIMENSIONAL TOLERANCES OF ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) AS INDICATED IN THE AISC CODE OF STANDARD PRACTICE.

WELDING SHALL CONFORM TO THE AWS CODES FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH A WELDED PROCEDURE SPECIFICATION (WPS) AS REQUIRED IN AWS D1.1 AND APPROVED BY THE STRUCTURAL ENGINEER. WITH WPS VARIABLES SHALL BE WITHIN THE PARAMETERS ESTABLISHED BY THE FILLER-METAL MANUFACTURER.

WELDS SHALL BE MADE USING E70XX ELECTRODES AND SHALL BE 3/16" MINIMUM, UNLESS NOTED OTHERWISE. WELDING SHALL BE BY AWS CERTIFIED WELDERS MEETING SPECIAL REQUIREMENTS OF JURISDICTION WITH OVERSIGHT OF PROJECT LOCATION.

ALL STEEL EXPOSED TO EXTERIOR AND STEEL SUPPORTING BRICK VENEER SHALL BE HOT DIP GALVANIZED UNLESS NOTED OTHERWISE.

GLUE-LAMINATED MEMBERS:
GLUED-LAMINATED (GLULAM) MEMBERS SHALL BE FABRICATED IN CONFORMANCE WITH ANSI STANDARD A190.1, AMERICAN NATIONAL STANDARD FOR STRUCTURAL GLUED LAMINATED TIMBER OR OTHER CODE APPROVED DESIGN, MANUFACTURING AND/OR QUALITY ASSURANCE PROCEDURES. EACH MEMBER SHALL BEAR AN APA-EWS IDENTIFICATION MARK OR BE ACCOMPANIED BY A CERTIFICATE OF CONFORMANCE. ONE COAT OF END SEALER SHALL BE APPLIED IMMEDIATELY AFTER TRIMMING IN EITHER THE SHOP OR THE FIELD.

GLULAM MEMBERS SHALL BE FRAMING (HIDDEN) OR ARCHITECTURAL (EXPOSED) APPEARANCE CLASSIFICATION AND OF THE STRENGTH INDICATED BELOW.

GLUED-LAMINATED MEMBERS

COMBINATION SYMBOL (SPECIES)	USE	FLEXURAL STRESS Fb (PSI)	MODULUS OF ELASTICITY (PSI)	HORIZONTAL SHEAR STRESS Fv (PSI)
24F-V4 (DF/DF)	SIMPLE SPAN	+2,400 / -1,850	1,800,000	265
24F-V8 (DF/DF)	CONTINUOUS OR CANTILEVER	2,400	1,800,000	265
DF L2	COLUMN	+/- 1,700	1,600,000	265

ADHESIVE SHALL BE WET-USE EXTERIOR, WATERPROOF GLUE. FIELD NOTCHING AND BORING OF GLULAM MEMBERS NOT ALLOWED UNLESS APPROVED BY STRUCTURAL ENGINEER OF RECORD.

GLULAM MEMBERS SHALL BE SUPPLIED TO THE PROJECT WITH BETWEEN 3,500 AND 5,000 FOOT STANDARDS MILL CAMBER WITH TOLERANCES AS ALLOWED BY ANSI A190. THE DRAWINGS WILL INDICATE WHETHER OR NOT ADDITIONAL CAMBER IS REQUIRED.

SAWN FRAMING LUMBER:
ALL SAWN LUMBER SHALL BE S4S, GRADED IN ACCORDANCE WITH WCLIB RULES #17, OF THE FOLLOWING GRADES:
STUD, PLATES, BLOCKING = DF-L No. 2
4x AND LARGER BEAMS, AND POSTS = DF-L No. 1
ALL LUMBER SHALL BE MC15 MAXIMUM AT TIME OF DRYWALL INSTALLATION, UNLESS NOTED OTHERWISE DOUBLE ALL JOISTS UNDER ALL PARALLEL PARTITIONS.

BOLTS:
DRILL BOLT HOLES 1/32" TO 1/16" LARGER THAN BOLT DIAMETER, ACCURATELY LOCATED.
USE WASHERS AT EACH BOLT HEAD AND NUT. TIGHTEN NUT AT INITIAL INSTALLATION; RE-TIGHTEN ONCE MORE BEFORE THE WORK IS CLOSED IN. PROVIDE EXPANSION SHIELDS AS REQUIRED OR AS DIRECTED BY THE ARCHITECT.

SHEATHING:
ALL SHEATHING SHALL BE, APA RATED WITH EXTERIOR GLUE AND PANEL IDENTIFICATION INDEX. STRUCTURAL WOOD PANELS SHALL CONFORM TO VOLUNTARY PRODUCT STANDARDS PS1, VOLUNTARY PRODUCT STANDARDS PS2 OR APA PRP-108 PERFORMANCE STANDARD
PANEL THICKNESS AND IDENTIFICATION INDEX SHALL BE AS FOLLOWS:
ROOF SHEATHING = 5/8" NOMINAL, INDEX 40/20 TONGUE AND GROOVE OR PROVIDE PANEL EDGE CLIPS
FLOORS = 3/4" NOMINAL, TONGUE AND GROOVE LONG EDGES
WALLS = 15/32" STRUCT 1, INDEX 32/16 4-PLY
FLOOR AND ROOF SHEATHING SHALL BE INSTALLED WITH FACE GRAIN PERPENDICULAR TO SUPPORTS AND END JOINTS SHALL BE STAGGERED.
PROVIDE EXTERIOR GRADE SHEATHING AT ALL LOCATIONS PERMANENTLY EXPOSED TO OPEN AIR CONDITIONS.
CONTRACTOR TO PROTECT FLOOR SHEATHING DURING CONSTRUCTION AT AREAS EXCEEDING 40 PSF CONSTRUCTION SURCHARGE OR AREAS USED FOR WHEELED CARTS. FAILURE TO PROTECT SHEATHING MAY CAUSE DETERIORATION REQUIRING THE SHEATHING TO BE REPLACED.

STRUCTURAL OBSERVATION:

THE STRUCTURAL ENGINEER OF RECORD WILL PERFORM STRUCTURAL OBSERVATIONS BASED ON THE REQUIREMENTS OF THE IBC AT THE STAGES OF CONSTRUCTION LISTED BELOW.
CONTRACTOR SHALL PROVIDE SUFFICIENT NOTICE AND ACCESS FOR THE STRUCTURAL ENGINEER OF RECORD TO PERFORM THESE OBSERVATIONS.

PRIOR TO FIRST CONCRETE POUR, AFTER REINFORCING STEEL HAS BEEN PLACED, PRIOR TO EACH PT SLAB POUR AND PRIOR TO COVERING UP SHEAR WALLS AND HOLDOWNS.

STRUCTURAL OBSERVATION IS FOR GENERAL CONFORMANCE TO THE STRUCTURAL DRAWINGS, SPECIAL INSPECTION IS STILL REQUIRED.

METAL PLATE CONNECTED TRUSSES:
SHALL BE DESIGNATED AND MANUFACTURED IN ACCORDANCE WITH THE MOST CURRENT VERSION OF TPI 1, "NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION", AS PUBLISHED BY THE TRUSS PLATE INSTITUTE AND SHALL BE DESIGNED FOR THE FOLLOWING

ALL TRUSS MEMBERS RECEIVING NAILING FROM SHEATHING, BLOCKING, OR UPLIFT ANCHORS SHALL BE DF-L
MINIMUM LOADS (DEAD LOAD INCLUDES TRUSS WEIGHT):
TOTAL LOAD = 20 PSF ROOF LIVE LOAD PLUS 25 PSF DEAD LOAD
TOP CHORD = 20 PSF ROOF LIVE LOAD PLUS 15 PSF DEAD LOAD
BOTTOM CHORD = 10 PSF DEAD LOAD
MINIMUM BOTTOM CHORD LOADING NOT CONCURRENT WITH OTHER LOADS = 10 PSF LIVE LOAD
NET UPLIFT (WIND) SEE S1.06 AND S1.07

DEFLECTION CRITERIA:
LIMIT TOTAL DEFLECTIONS PER THE DESIGN CRITERIA
COORDINATE WITH MECHANICAL FOR ADDITIONAL DEFLECTION LIMITS
CREEP FACTOR (KCR) USED IN DEFLECTION CALCULATIONS-
IF MOISTURE CONTENT IS LESS THAN 19% AND DEAD LOAD IS LESS THAT 25 PSF THEN KCR = 2
IF MOISTURE CONTENT IS LESS THAN 19% AND DEAD LOAD IS GREATER THAN OR EQUAL TO 25PSF THEN KCR = 2.5
IF MOISTURE CONTENT IS GREATER THAN OR EQUAL TO 19% THEN KCR = 3

ADDITIONAL STRESS DESIGN CRITERIA:
ALL CONNECTION PLATES SHALL DEVELOP THE FULL STRESS IN MEMBER WITH A MINIMUM TRANSFER AT ANY MEMBER OF 2000# AND MINIMUM SIZE OF PLATES OF 3" X 5".
IF MOISTURE CONTENT IS GREATER THAN OR EQUAL TO 19 PERCENT USE STRENGTH REDUCTION FACTORS OUTLINED IN SECTION 6.4.6 OF TPI 1
ADD PLYS AS REQUIRED SO THAT BEARING PRESSURE DOES NOT EXCEED 625PSI.

TRUSS MANUFACTURER REQUIREMENTS:
THE TRUSS MANUFACTURER SHALL SUBMIT DESIGNS, STRESS DIAGRAMS, SHOP DRAWINGS AND CALCULATIONS BEARING THE STAMP OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF PROJECT'S LOCATION TO THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW.
THE TRUSS MANUFACTURER SHALL SUPPLY ALL HARDWARE, ANCHORAGE, AND METAL SEATS REQUIRED, AND SHALL DESIGN AND INDICATE ALL TEMPORARY AND PERMANENT BRACING PER SECTION 2303.4.1.2 OF 2021 IBC (PTIMR) REQUIRED TO BE SUPPLIED BY THE GENERAL CONTRACTOR. AT A MINIMUM, BRACING SHALL CONFORM TO METHODS PRESENTED IN BCSI1 BUILDING COMPONENT SAFETY INFORMATION.
TRUSS SUPPLIER SHALL REVIEW ALL OF THE TRUSS, BRIDGING, HANGER, BLOCKING AND WEB STIFFENERS REQUIREMENTS AND ALL CONCENTRATED LOADS PRIOR TO TRUSS FABRICATION.

REINFORCING STEEL:
ACTUAL YIELD STRENGTH BASED ON MILL TESTS SHALL NOT EXCEED SPECIFIED YIELD STRENGTH BY MORE THAN 18,000 PSI AND RATIO OF ACTUAL ULTIMATE TENSILE STRENGTH TO ACTUAL TENSILE YIELD STRENGTH SHALL NOT BE LESS THAN 1.25.

REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, FOR DEFORMED BARS UNLESS NOTED OTHERWISE. REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706.
COLUMN SPIRALS SHALL BE PLAIN OR DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60.
REINFORCING STEEL SHALL BE SECURELY TIED IN PLACE WITH #16 ANNEALED IRON WIRE.
PROVIDE SMOOTH WELDED WIRE FABRIC (WWF) COMPLYING WITH ASTM A185. LAP FABRIC 1 1/2 SPACES (12" MINIMUM). PROVIDE DEFORMED WIRE STIRRUPS, SIZE D4 AND LARGER ONLY, COMPLYING WITH ASTM A497.

BARS IN BEAMS AND SLABS SHALL BE SUPPORTED ON WELL-CURED CONCRETE BLOCKS OR APPROVED METAL CHAIRS, AS SPECIFIED BY THE CRSI MANUAL OF STANDARD PRACTICE, MSP-1. REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE "ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES,"ACI 315. SHOP DRAWINGS SHALL INCLUDE ELEVATIONS OF ALL BEAMS AND COLUMNS SHOWING BAR LOCATIONS. LAP ALL REINFORCING BARS PER THE TYPICAL LAP SPLICE LENGTH SCHEDULE, EXCEPT AS NOTED. USE LAP LENGTH FOR SMALLER BAR WHEN SPLICING DIFFERENT BAR SIZES. MECHANICAL SPLICES NOTED ON THE PLANS SHALL BE DAYTON BAR-GRIP SPLICES OR APPROVED WITH A CURRENT ICC APPROVAL REPORT.

BEND REINFORCING STEEL COLD. DO NOT BEND MORE THAN ONCE. SEE STANDARD HOOKS AND BENDS DETAIL FOR MINIMUM RADIUS.

SECURELY TIE ALL EMBEDDED ITEMS IN PLACE PRIOR TO POURING CONCRETE.

REINFORCING STEEL SHALL HAVE PROTECTION AS FOLLOWS:

BEAMS JOISTS AND COLUMN BARS (TO STIRRUPS OR TIES)	1 1/2"
SLAB BARS	1"
INTERIOR FACES OF WALL BARS	3/4"
EXPOSED TO EARTH OR WEATHER	2"
FOOTING BARS	3"

MINIMUM CONCRETE WALL REINFORCING UNLESS NOTED OTHERWISE:

WALL THICKNESS	HORIZONTAL BARS	VERTICAL BARS	LOCATION
6"	#4 AT 12" oc	#4 AT 16" oc	AT CL OF WALL
8"	#4 AT 12" oc	#4 AT 16" oc	AT CL OF WALL
10"	#4 AT 18" oc	#4 AT 18" oc	AT EACH FACE
12"	#4 AT 16" oc	#4 AT 16" oc	AT EACH FACE

MINIMUM MASONRY WALL REINFORCING UNLESS NOTED OTHERWISE:

WALL THICKNESS	HORIZONTAL BARS	VERTICAL BARS	LOCATION
6"	#5 AT 48"oc	#5 AT 48"oc	AT CL OF WALL
8"	#5 AT 48"oc	#5 AT 24"oc	AT CL OF WALL
10"	#4 AT 24"oc	#4 AT 24"oc	AT EACH FACE

CONTINUE HORIZONTAL WALL BARS THROUGH PILASTERS, COLUMNS AND INTERSECTING WALLS. AT SLAB AND WALL OPENINGS PROVIDE A MINIMUM OF TWO #5 BARS EACH SIDE OF THE OPENINGS. EXTEND THESE BARS LAP DISTANCE OR A MINIMUM OF 24" PAST THE OPENING.
PROVIDE ONE #5 BAR FOR SINGLE-LAYER REINFORCING AND TWO #5 BARS FOR DOUBLE-LAYER REINFORCING, 4'-0" LONG, DIAGONALLY AT EACH CORNER OF ALL OPENINGS. REFER TO TYPICAL DETAILS FOR DISPOSITION OF CORNER BARS AND BARS IN SMALL WALL SECTIONS. PROVIDE TWO #4, 4'-0" LONG DIAGONALLY AT EACH RE-ENTRANT CORNER IN SLABS. HOOKED DOWELS FROM FOOTINGS TO MATCH VERTICAL WALL REINFORCING. SLAB BARS SHALL BE HOOKED INTO WALLS.
WHERE CONTINUOUS INSULATION PROVIDE A BREAK BETWEEN THE SLAB AND EXTERIOR WALL, PROVIDE 3" OF SOLID CONCRETE AROUND DOWEL FOR A POSITIVE CONNECTION.

NAILING AND FASTENERS:
SHEATHING NAILING SHALL BE AS FOLLOWS:

ALL SHEATHING NAILS SHALL BE COMMON NAILS WITH HEAD DIAMETER = 0.312"

ROOF SHEATHING = 0.131" x 3" AT 6'oc AT ALL PANEL EDGES
0.131" x 3" AT 12'oc AT ALL INTERMEDIATE SUPPORTS

FLOOR SHEATHING = 0.131" x 3" AT 6'oc AT ALL PANEL EDGES UNLESS NOTED OTHERWISE
0.131" x 3" AT 12'oc AT ALL INTERMEDIATE SUPPORTS

WALL SHEATHING = BLOCK ALL EDGES WITH 2x4 FLAT, NAILING AS INDICATED ON DRAWINGS
ALL BOLTED CONNECTIONS SHALL BE MADE WITH MACHINE BOLTS (MB) CONFORMING TO ASTM A307.
ALL BOLTS AND LAGS SHALL BE INSTALLED WITH STANDARD WROUGHT WASHERS, UNLESS NOTED OTHERWISE. JOIST HANGERS, HOLD DOWNS, AND OTHER FRAMING ACCESSORIES ARE REFERRED TO ON PLANS BY PARTICULAR TYPE AS ACCEPTABLE BY SIMPSON COMPANY. ALL HARDWARE IS TO BE FASTENED PER MANUFACTURER'S SPECIFICATIONS, UNLESS NOTED OTHERWISE.
WALLS AND PARTITIONS: ANCHOR SILLS IN PLACE AS SHOWN ON THE DRAWINGS; UNLESS NOTED OTHERWISE, NON-STRUCTURAL WALLS MAY BE SECURED WITH MINIMUM 3/16" POWER DRIVEN FASTENERS AT 16'oc MAXIMUM, PENETRATING AT LEAST BETWEEN 3/4" AND 1", AND NOT OVER 9" FROM ENDS.

TYPICAL FASTENING SCHEDULE UNLESS NOTED OTHERWISE

ROOF		
DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING
BLOCKING BETWEEN CEILING JOISTS OR RAFTERS	(3) 3" x 0.131" NAILS	AT EACH END, TOE NAIL
FLAT-BLOCKING TO TRUSS AND WEB FILLER	3" x 0.131" NAILS AT 6"oc	FACE NAIL
CEILING AND FLOOR JOISTS TO TOP PLATE	(3) 3" x 0.131" NAILS	PER JOIST, TOE NAIL
CEILING JOIST NOT ATTACHED TO PARALLEL RAFTER (NO THRUST)	(3) 3" x 0.131" NAILS	FACE NAIL
CEILING JOIST LAPS OVER PARTITIONS	(4) 3" x 0.131" NAILS	FACE NAIL
RAFTER OR ROOF TRUSS TO PLATE OR OTHER FRAMING BELOW	(4) 3" x 0.131" NAILS	(2) TOENAILS EACH SIDE
ROOF RAFTER TO RIDGE, VALLEY OR HIP RAFTERS	(3) 3" x 0.131" NAILS	END NAIL
WALL		
DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING
STUD TO STUD FOR MULTIPLES	3" x 0.131" NAILS	16'oc FACE NAIL
STUD TO STUD AT ABUTTING WALLS AND CORNERS	3" x 0.131" NAILS	12'oc FACE NAIL
BUILT-UP HEADER (2x TO 2x HEADER)	3 1/2" x 0.162" NAILS	16'oc EACH EDGE, FACE
CONTINUOUS HEADER TO STUD	2 1/2" x 0.131" NAILS	TOENAIL
TOP PLATE TO TOP PLATE	3" x 0.131" NAILS	12'oc FACE NAIL
TOP PLATE LAP SPLICE WHERE NOT AT SHEAR OR EXTERIOR WALLS	(12) 3" x 0.131" NAILS	FACE NAIL MINIMUM 24" LAP LENGTH, EACH SIDE OF SPLICE
BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST	(4) 3" x 0.131" NAILS	16'oc FACE NAIL
FLOOR BLOCKING	(3) 3" x 0.131" NAILS	TOENAIL
STUD TO BOTTOM PLATE AND LOWER TOP PLATE	(4) 3" x 0.131" NAILS	TOENAIL
	(3) 3" x 0.131" NAILS	END NAIL
TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS (DO NOT LAP AT SHEAR OR EXTERIOR WALLS)	(3) 3" x 0.131" NAILS	FACE NAIL
1" x 6" SHEATHING TO EACH BEARING	(2) 2 1/2" x 0.131" NAILS	FACE NAIL
1" x 8" SHEATHING TO EACH BEARING	(3) 2 1/2" x 0.131" NAILS	FACE NAIL
FLOOR		
DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING
RIM JOIST, BAND JOIST, OR BLOCKING TO SILL, TOP PLATE OR OTHER FRAMING BELOW	3" x 0.131" NAILS	6"oc TOENAIL
2x DECKING	(2) 3 1/2" x 0.162" NAILS	AT EACH BEARING, FACE NAIL
3x DECKING	(3) 3 1/2" x 0.162" NAILS	AT EACH BEARING, FACE NAIL
LEDGER STRIP SUPPORTING JOISTS OR RAFTERS	(4) 3" x 0.131" NAILS	AT EACH JOIST OR RAFTER, FACE NAIL
JOIST TO BAND JOIST OR RIM JOIST	(4) 3" x 0.131" NAILS	END NAIL
BRIDGING TO JOIST	(2) 3" x 0.131" NAILS	EACH END, TOENAIL

POST-TENSIONING SYSTEMS:
ALL POST-TENSIONED CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT TRANSFER OF PRE-STRESS FORCE AND A MINIMUM STRENGTH OF 5,000 PSI AT 28 DAYS, AS SUBSTANTIATED BY STANDARD CYLINDER TESTS (FIELD CURED FOR VERIFICATION OF TRANSFER STRENGTH). EXTRA FIELD-CURED TEST CYLINDERS MAY BE REQUIRED AT THE CONTRACTOR'S OPTION. CONCRETE SHALL NOT CONTAIN MORE THAN .06% CHLORIDE ION BY WEIGHT OF CEMENT

POST -TENSIONING SHALL BE INSTALLED TO PROVIDE THE REQUIRED FINAL PRE-STRESS FORCE (AFTER ALL LOSSES) AT THE LOCATION SHOWN ON THE PLANS OR DETAILS FOR EACH MEMBER. POST-TENSIONING REINFORCEMENT SHALL CONFORM TO ASTM A416 FOR UNCOATED SEVEN-WIRE, STRESS-RELIEVED, LOW RELAXATION, GRADE 270 STRANDS. POST -TENSIONING REINFORCEMENT SHALL BE 1/2" DIAMETER UNBONDED TENDONS, UNLESS OTHERWISE NOTED. PROVIDE FULLY ENCAPSULATED SYSTEM FOR UNBONDED TENDONS.

RECORDS OF TENDON ELONGATIONS SHALL BE SUBMITTED TO AND REVIEWED BY THE STRUCTURAL ENGINEER PRIOR TO CUTTING THE TENDON ENDS.

SHOP DRAWINGS SHALL INCLUDE ELEVATIONS OF ALL BEAMS, AS WELL AS PLANS OF ALL SLABS SHOWING ALL TENDON LOCATIONS. SPACING OF TENDONS OR GROUPS OF TENDONS IN THE DISTRIBUTED DIRECTION SHALL NOT EXCEED 5 FEET, NOR 8 TIMES THE SLAB THICKNESS. CONCRETE COVER FOR TENDONS SHALL BE AS SHOWN ON THE PLANS. TENDONS SHALL BE INSTALLED WITH A PARABOLIC DRAPE WITHIN ±1/4" AT OTHER LOCATIONS. THE MINIMUM RADIUS OF CURVATURE FOR TENDONS IN THE VERTICAL OR HORIZONTAL PLANE SHALL BE 21 FEET. WHEN TENDONS ARE TERMINATED WITHIN INTERIOR SPANS, EXTEND TENDONS A DISTANCE OF 1/3 THE SPAN BEYOND THE SUPPORT.

ANCHORAGES, COUPLES, AND OTHER FITTING SHALL BE THE ICC APPROVED MANUFACTURER'S STANDARD DESIGN FOR THE LOADS APPLIED. MINIMUM CONCRETE COVER FOR ANCHORAGES SHALL BE 2". PROVIDE ONE #4 REINFORCING BAR ABOVE AND BELOW ALL STRESSING AND ANCHOR POINTS.

CAST POUR STRIPS 60 DAYS (MINIMUM) AFTER POST-TENSIONING THE ADJACENT STRUCTURE. JOINTS AT POUR STRIPS SHALL BE TOOLED AND FILLED WITH JOINT SEALER.

PROVIDE EPOXY INJECTION REPAIR OF ALL CRACKS 0.02" OR LARGER IN WIDTH WITHIN THE FIRST YEAR AFTER SUBSTANTIAL COMPLETION. CONTRACTOR SHALL PROVIDE ALLOWANCE FOR CRACK REPAIR. ALLOWANCE MAY BE TAKEN EQUAL TO 0.005x(TOTAL

SCHEDULE OF SPECIAL INSPECTION SERVICES

REQUIRED	MATERIAL/ACTIVITY	SERVICE	EXTENT
	1704.2.5 INSPECTION OF FABRICATORS		
✓	VERIFY FABRICATION/QUALITY CONTROL PROCEDURES	IN-PLANT REVIEW (3)	PERIODIC
	17.05.1.1 SPECIAL CASES		
✓	(WORK UNUSUAL IN NATURE, INCLUDING BUT NOT LIMITED TO ALTERNATIVE MATERIALS AND SYSTEMS, UNUSUAL DESIGN APPLICATIONS, MATERIAL AND SYSTEMS WITH SPECIAL MANUFACTURER'S REQUIREMENTS.)	SUBMITTAL REVIEW, SHOP (3) AND/OR FIELD INSPECTION	
	17.05.2 STEEL CONSTRUCTION		
✓	1. FABRICATOR AND ERECTOR DOCUMENTS (VERIFY REPORTS AND CERTIFICATES AS LISTED IN AISC360, CHAPTER N, PARAGRAPH 3.2 FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS)	SUBMITTAL REVIEW	EACH SUBMITTAL
✓	2. MATERIAL VERIFICATION OF STRUCTURAL STEEL	SHOP (3) AND FIELD INSPECTION	PERIODIC
✓	3. EMBEDMENTS (VERIFY DIAMETER, GRADE, TYPE, LENGTH, EMBEDMENT. SEE 1705.3 FOR ANCHORS	FIELD INSPECTION	PERIODIC
✓	4. VERIFY MEMBER LOCATIONS, BRACES, STIFFENERS, AND APPLICATION OF JOINT DETAILS AT EACH CONNECTION COMPLY WITH CONSTRUCTION DOCUMENTS.	FIELD INSPECTION	EACH SUBMITTAL
	5. STRUCTURAL STEEL WELDING:	SHOP (3) AND FIELD INSPECTION	PERIODIC
✓	A. INSPECTION TASKS PRIOR TO WELDING (OBSERVE, OR PERFORM EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTEN IN AISC 360, TABLE N5.4-2)	SHOP (3) AND FIELD INSPECTION	OBSERVE OR PERFORM AS NOTED (4)
✓	B. INSPECTION TASKS DURING WELDING (OBSERVE, OR PERFORM EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4-2)	SHOP (3) AND FIELD INSPECTION	OBSERVE OR PERFORM AS NOTED (4)
✓	C. INSPECTION TASKS AFTER WELDING (OBSERVE, OR PERFORM EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTEN IN AISC 360, TABLE N5.4-2)	SHOP (3) AND FIELD INSPECTION	OBSERVE OR PERFORM AS NOTED (4)
	D. NONDESTRUCTIVE TESTING (NDT) OF WELDED JOINTS: SEE COMMENTARY		
✓	1) COMPLETE PENETRATION GROOVE WELDS 5/16" OR GREATER IN RISK CATEGORY III OR IV	SHOP (3) AND FIELD ULTRASONIC TESTING - 100%	PERIODIC
✓	2) COMPLETE PENETRATION GROOVE WELDS 5/16" OR GREATER IN RISK CATEGORY II	SHOP (3) AND FIELD ULTRASONIC TESTING - 10% OF WELDS MINIMUM	PERIODIC
✓	3) THERMALLY CUT SURFACES OF ACCESS HOLES WHEN MATERIAL T > 2	SHOP (3) AND FIELD MAGNETIC PARTIAL OR PENETRANT TESTING	PERIODIC
✓	4) WELDED JOINTS SUBJECT TO FATIGUE WHEN REQUIRED BY AISC 360, APPENDIX 3, TABLE A-3.1	SHOP (3) AND FIELD RADIOGRAPHIC OR ULTRASONIC TESTING	PERIODIC
✓	5) FABRICATOR'S NDT REPORTS WHEN FABRICATOR PERFORMS NDT	VERIFY REPORTS	EACH SUBMITTAL (5)
	6. STRUCTURAL STEEL BOLTING:	SHOP (3) AND FIELD INSPECTION	
✓	A. INSPECTION TASKS PRIOR TO BOLTING (OBSERVE, OR PERFORM TASKS FOR EACH BOLTED CONNECTION. IN ACCORDANCE WITH QA TASKS LISTED IN AISC 360, TABLE N5.6-1		OBSERVE OR PERFORM AS NOTED (4)
✓	B. INSPECTION TASKS DURING BOLTING (OBSERVE THE QA TASKS LISTED IN AISC 360, TABLE N5.6-2		OBSERVE (4)
	1) PRE-TENSIONED AND SLIP-CRITICAL JOINTS		
✓	a) TURN-OF-NUT WITH MATCHING MARKINGS		PERIODIC
✓	b) DIRECT TENSION INDICATOR		PERIODIC
✓	c) TWIST-OFF TYPE TENSION CONTROL BOLT		PERIODIC
✓	d) TURN-OF-NUT WITHOUT MATCHING MARKINGS		CONTINUOUS
✓	e) CALIBRATED WRENCH		CONTINUOUS
✓	2) SNUG-TIGHT JOINTS		PERIODIC
✓	C. INSPECTION TASKS AFTER BOLTING (PERFORM TASKS FOR EACH BOLTED CONNECTION IN ACCORDANCE WITH QA TASKS LISTED IN AISC 360, TABLE N5.6-3		PERFORM(4)
✓	7. INSPECTION OF STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO CONCRETE PLACEMENT IN ACCORDANCE WITH QA TASKS LISTED IN AISC 360 TABLE N6.1	SHOP (3) AND FIELD INSPECTION AND TESTING	OBSERVE OR PERFORM AS NOTED (4)
	17.05.2 STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL		
	1. MATERIAL VERIFICATION OF COLD-FORMED STEEL DECK		
✓	A. IDENTIFICATION MARKINGS	FIELD INSPECTION	PERIODIC
✓	B. MANUFACTURER'S CERTIFIED TEST REPORTS	SUBMITTAL REVIEW	EACH SUBMITTAL
	2. CONNECTION OF COLD-FORMED STEEL DECK TO SUPPORTING STRUCTURE:	SHOP (3) AND FIELD INSPECTION	
✓	A. WELDING		PERIODIC
	B. OTHER FASTENERS (IN ACCORDANCE WITH AISC 360, SECTION N6)		
✓	1) VERIFY FASTENERS ARE IN CONFORMANCE WITH APPROVED SUBMITTAL		PERIODIC
✓	2) VERIFY FASTENERS INSTALLATION IS IN CONFORMANCE WITH APPROVED SUBMITTAL AND MANUFACTURER'S RECOMMENDATIONS		PERIODIC
	3. REINFORCING STEEL		
✓	A. VERIFICATION OF WELDABILITY OF STEEL OTHER THAN ASTM A706		PERIODIC
✓	B. REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, BOUNDARY ELEMENTS OF SPECIAL CONCRETE STRUCTURAL WALLS AND SHEAR REINFORCEMENT		CONTINUOUS
✓	C. SHEAR REINFORCEMENT		CONTINUOUS
✓	D. OTHER REINFORCING STEEL		PERIODIC
	4. COLD-FORMED STEEL TRUSSES SPANNING 60 FEET OR GREATER		
✓	A. VERIFY TEMPORARY AND PERMANENT RESTRAINT/BRACING ARE INSTALLED IN ACCORDANCE WITH THE APPROVED TRUSS SUBMITTAL PACKAGE	FIELD INSPECTION	PERIODIC

SCHEDULE OF SPECIAL INSPECTION SERVICES

REQUIRED	MATERIAL/ACTIVITY	SERVICE	EXTENT
	1705.3 CONCRETE CONSTRUCTION		
✓	1. INSPECTION OF REINFORCING STEEL INSTALLATION (SEE 1705.2.2 FOR WELDING)	SHOP (3) AND FIELD INSPECTION	PERIODIC
✓	2. INSPECTION OF PRESTRESSING STEEL INSTALLATION	SHOP (3) AND FIELD INSPECTION	PERIODIC
✓	3. INSPECTION OF ANCHORS AND REINFORCING STEEL POST-INSTALLED IN HARDENED CONCRETE: PER RESEARCH REPORTS INCLUDING VERIFICATION OF ANCHOR TYPE, ANCHOR DIMENSIONS, HOLE DIMENSIONS, HOLE CLEANING PROCEDURES, ANCHOR SPACING, EDGE DISTANCES, CONCRETE MINIMUM THICKNESS, ANCHOR EMBEDMENT AND TIGHTENING TORQUE	FIELD INSPECTION	PERIODIC OR AS REQUIRED BY THE RESEARCH REPORT ISSUED BY AN APPROVED SOURCE
✓	4. VERIFY USE OF APPROVED MIX DESIGN	SHOP (3) AND FIELD INSPECTION	PERIODIC
✓	5. FRESH CONCRETE SAMPLING, PERFORM SLUMP AND AIR CONTENT TESTS AND DETERMINE TEMPERATURE OF CONCRETE	SHOP (3) AND FIELD INSPECTION	CONTINUOUS
✓	6. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	SHOP (3) AND FIELD INSPECTION	CONTINUOUS
✓	7. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	SHOP (3) AND FIELD INSPECTION	PERIODIC
	8. INSPECTION OF PRESTRESSED CONCRETE	SHOP (3) AND FIELD INSPECTION	
✓	A. APPLICATION OF PRESTRESSING FORCE		CONTINUOUS
✓	B. GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC-FORCE-RESISTING SYSTEM		CONTINUOUS
	9. ERECTION OF PRECAST CONCRETE MEMBERS		
✓	A. INSPECT IN ACCORDANCE WITH CONSTRUCTION DOCUMENTS	FIELD INSPECTION	IN ACCORDANCE WITH CONSTRUCTION DOCUMENTS
✓	B. PERFORM INSPECTIONS OF WELDING AND BOLTING IN ACCORDANCE WITH SECTION 1705.2	FIELD INSPECTION	IN ACCORDANCE WITH SECTION 1705.2
✓	10. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS	REVIEW FIELD TESTING AND LABORATORY REPORTS	PERIODIC
✓	11. INSPECTION OF FORMWORK FOR SHAPE, LINES, LOCATION, AND DIMENSIONS	FIELD INSPECTION	PERIODIC
✓	12. CONCRETE STRENGTH TESTING AND VERIFICATION OF COMPLIANCE WITH CONSTRUCTION DOCUMENTS	FIELD TESTING AND REVIEW OF LABORATORY REPORTS	PERIODIC
✓	13. CONCRETE SPECIMENS FOR TESTING, PRIOR TO CONCRETE PLACEMENT, FABRICATE CONCRETE SPECIMENS FOR TESTING, SEE THE CONCRETE TESTING TABLE FOR ADDITIONAL INFORMATION	FIELD TESTING AND REVIEW OF LABORATORY REPORTS	CONTINUOUS
✓	14. CONCRETE PLACEMENT	FIELD INSPECTION	CONTINUOUS
✓	15. CONCRETE CURING	FIELD TESTING AND REVIEW OF LABORATORY REPORTS	PERIODIC
✓	16. VERIFICATION OF FORMWORK, SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	FIELD INSPECTION	PERIODIC
✓	17. REINFORCING STEEL MECHANICAL COUPLERS, TERMINATORS AND FORMSAVERS	ICC EVALUATION REPORTS	PERIODIC

CONCRETE TESTING

SYSTEM OR MATERIAL	OSSC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY	REMARKS
CONCRETE STRENGTH	1705.3 ASTM C172 ASTM C31 ACI 318 26.12 ACI 318 26.5	ASTM C39	EACH 150 CY NOR LESS THAN EACH 5000 SF OF SLAB OR WALL PACED EACH SHIFT	FABRICATE SPECIMENS AT TIME FRESH CONCRETE IS PLACED
CONCRETE SLUMP		ASTM C143		
CONCRETE AIR CONTENT		ASTM C231		
CONCRETE TEMPERATURE		ASTM C1064		

SCHEDULE OF SPECIAL INSPECTION SERVICES

REQUIRED	MATERIAL/ACTIVITY	SERVICE	EXTENT
	1705.5 WOOD CONSTRUCTION		
✓	1. INSPECTION OF THE FABRICATION PROCESS OF WOOD STRUCTURAL ELEMENTS AND ASSEMBLIES IN ACCORDANCE WITH SECTION 1704.2.5	IN-PLANT REVIEW (3)	PERIODIC
✓	2. FOR HIGH-LOAD DIAPHRAGMS, VERIFY GRADE AND THICKNESS OF STRUCTURAL PANEL SHEATHING AGREE WITH APPROVED BUILDING PLANS	FIELD INSPECTION	PERIODIC
✓	3. FOR HIGH-LOAD DIAPHRAGMS, VERIFY NOMINAL SIZE OF FRAMING MEMBERS AT ADJOINING PANEL EDGES, NAIL, OR STAPLE DIAMETER AND LENGTH, NUMBER OF FASTENER LINES, AND THAT SPACING BETWEEN FASTENERS IN EACH LINE AND AT EDGE MARGINS AGREE WITH THE APPROVED BUILDING PLANS	FIELD INSPECTION	PERIODIC
✓	4. METAL-PLATE-CONNECTED WOOD TRUSSES SPANNING 60 FEET OR GREATER: VERIFY TEMPORARY AND PERMANENT RESTRAINT/BRACING ARE INSTALLED IN ACCORDANCE WITH THE APPROVED TRUSS SUBMITTAL PACKAGE	FIELD INSPECTION	PERIODIC
	1705.6 SOILS		
✓	1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	FIELD INSPECTION	PERIODIC
✓	2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	FIELD INSPECTION	PERIODIC
✓	3. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS	FIELD INSPECTION	PERIODIC
✓	4. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL	FIELD INSPECTION	CONTINUOUS
✓	5. PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	FIELD INSPECTION	PERIODIC
	1705.7 DRIVEN DEEP FOUNDATIONS		
✓	1. VERIFY ELEMENT MATERIALS, SIZES, AND LENGTHS COMPLY WITH REQUIREMENTS	FIELD INSPECTION	CONTINUOUS
✓	2. DETERMINE CAPACITIES OF TEST ELEMENTS AND CONDUCT ADDITIONAL LOAD TESTS, AS REQUIRED	FIELD INSPECTION	CONTINUOUS
✓	3. OBSERVE DRIVING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT	FIELD INSPECTION	CONTINUOUS
✓	4. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM TYPE AND SIZE OF HAMMER, RECORD NUMBER OF BLOWS PER FOOT OF PENETRATION, DETERMINE REQUIRED PENETRATIONS TO ACHIEVE DESIGN CAPACITY, RECORD TIP AND BUTT ELEVATIONS AND DOCUMENT ANY DAMAGE TO FOUNDATION ELEMENT	FIELD INSPECTION	CONTINUOUS
✓	5. FOR STEEL ELEMENTS, PERFORM ADDITIONAL INSPECTIONS PER SECTION 1705.2	SEE SECTION 1705.2	SEE SECTION 1705.2
✓	6. FOR CONCRETE ELEMENTS AND CONCRETE-FILLED ELEMENTS PERFORM ADDITIONAL INSPECTIONS PER SECTION 1705.3	SEE SECTION 1705.3	SEE SECTION 1705.3
✓	7. FOR SPECIALTY ELEMENTS, PERFORM ADDITIONAL INSPECTIONS AS DETERMINED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE	FIELD INSPECTION	IN ACCORDANCE WITH CONSTRUCTION DOCUMENTS
✓	8. PERFORM ADDITIONAL INSPECTIONS AND TESTS IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS	FIELD INSPECTION	IN ACCORDANCE WITH CONSTRUCTION DOCUMENTS

NOTE:
1. THE INSPECTION AND TESTING AGENT(S) SHALL BE ENGAGED BY THE OWNER OR THE OWNER'S AGENT, AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL PRIOR TO COMMENCING WORK. THE QUALIFICATIONS OF THE SPECIAL INSPECTOR(S) AND/OR TESTING AGENCIES MAY BE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL AND/OR THE DESIGN PROFESSIONAL.
2. THE LIST OF SPECIAL INSPECTORS MAY BE SUBMITTED AS A SEPARATE DOCUMENT, IF NOTED SO ABOVE.
3. SPECIAL INSPECTIONS AS REQUIRED BY IBC SECTION 1704.2.5 ARE NOT REQUIRED WHERE THE FABRICATOR IS APPROVED IN ACCORDANCE WITH IBC SECTION 1704.2.5.1.
4. OBSERVE ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. PERFORM THESE TASKS FOR EACH WELDED JOINT, BOLTED CONNECTION, OR STEEL ELEMENT.
5. NDT OF WELDS COMPLETED IN AN APPROVED FABRICATORS SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN APPROVED BY THE AHJ. REFER TO AISC 360, N7.

Due to the significant number of items that were deferred that could affect the structural design, have the engineer of record them to ensure design or details do not need to be updated.
(Construction Set, Sheet S002)

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PUYALLUP BELL PLACE

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PROJECT NO.: 25-063
DRAWN: AAS
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION: **DESCRIPTION:**

REPRODUCTION OF THIS DRAWING IS EXPRESSLY FORBIDDEN WITHOUT THE SPECIFIC WRITTEN PERMISSION OF C2K ARCHITECTURE INC.. THIS DRAWING IS ONLY CONDITIONALLY ISSUED, AND NEITHER RECEIPT OR POSSESSION THEREOF CONFERS OR TRANSFERS ANY RIGHT TO, OR LICENSE TO, USE THE SUBJECT MATTER OF THIS DRAWING OR ANY TECHNICAL INFORMATION SHOWN THEREON, NOR ANY RIGHT TO REPRODUCE THIS DRAWING OR PART THEREOF, WITHOUT THE WRITTEN AUTHORIZATION OF C2K ARCHITECTURE INC..

BUILDING PERMIT SET

SHEET TITLE:
SPECIAL INSPECTIONS

SHEET NO.:
S002

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FOUNDATION NOTES:

1. BEARING SURFACES MUST BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO POURING FOOTING AND SLAB.
2. CENTER FOOTINGS UNDER COLUMNS AND WALLS UNLESS NOTED OTHERWISE.
3. SEE ARCHITECT, CIVIL, AND LANDSCAPE FOR ELEVATIONS, SLOPES, AND DIMENSIONS NOT SHOWN.
4. SEE GEOTECHNICAL REPORT, ARCHITECTURAL, AND CIVIL DRAWINGS FOR ANY REQUIRED FOUNDATION DRAINS.
5. F# DENOTES FOOTING TYPE, SEE FOUNDATION SCHEDULE.
6. DENOTES STEP IN SLAB ON GRADE, SEE DETAILS 6 / S401 AND 9 / S401 . VERIFY STEP LOCATIONS SHOWN WITH ARCHITECTURAL SLAB PLAN.
7. AT HOUSEKEEPING PADS SEE DETAIL 8 / S401 SEE ARCHITECT FOR LOCATIONS.
8. FOR SLAB JOINTS, SEE DETAIL 16 / S401
9. ALL WOOD IN CONTACT WITH CONCRETE AND NOT EXPOSED TO WETTING SHALL BE BORATE TREATED. GALVANIZING OF BOLTS AND FASTENERS NOT REQUIRED AT BORATE TREATED WOOD. PROVIDE SILL GASKETS BETWEEN SILL AND CONCRETE.
10. 5" SLAB ON GRADE WITH #3 AT 12"oc EACH WAY TYPICAL, UNLESS NOTED OTHERWISE. EXTERIOR CONCRETE BY OTHERS.
11. SEE DETAIL 2 / S401 FOR SOIL PREPARATION BELOW EXTERIOR FOOTINGS AND RETAINING WALLS PER GEOTECHNICAL REPORT. ANY AREAS THAT ARE IDENTIFIED AS SOFT OR YIELDING DURING SUBGRADE EXCAVATION SHOULD BE BROUGHT TO THE ATTENTION OF THE GEOTECHNICAL ENGINEER.
12. SEE 1 / S401 FOR UNDER SLAB PREPARATION REQUIREMENTS PER GEOTECHNICAL REPORT, VERIFY REQUIREMENTS WITH GEOTECHNICAL REPORT.
13. FOLLOWING SITE PREPARATION, PRIOR TO PLACING AGGREGATE BASE, EXPOSED SUBGRADE SHOULD BE EVALUATED BY PROOF ROLLING WITH A FULLY LOADED DUMP TRUCK OR SIMILAR, OR ANOTHER METHOD OF SUBGRADE VERIFICATION UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER.
14. INTERIOR GROUND FLOOR INFILL WOOD WALLS SHALL BE 2X AT 26"oc, SEE DETAIL 6 / S501 FOR BASE AND DETAIL 4 / S440 FOR TOP OF WALL ASSEMBLIES. EXTERIOR GROUND FLOOR INFILL WOOD WALLS FRT 2X AT 16"oc UNLESS NOTED OTHERWISE ON PLAN, SEE DETAIL 4 / S402 FOR BASE AND DETAIL 4 / S440 FOR TOP OF WALL ASSEMBLIES.
15. AT EXTERIOR WALL OPENINGS PROVIDE FRT 6x8 HEADER WITH (2) FRT KING AND (1) FRT TRIMMER STUDS TYPICAL UNLESS NOTED OTHERWISE. AT INTERIOR WALL OPENINGS PROVIDE 4x6 HEADERS WITH (1) KING AND (1) TRIMMER STUD TYPICAL UNLESS NOTED OTHERWISE. SEE DETAIL 9 / S505 FOR TYPICAL EXTERIOR OPENING REQUIREMENTS AND DETAIL 4 / S440 FOR TOP OF WALL ASSEMBLY.

2ND FLOOR FRAMING NOTES:

1. SEE TYPICAL WOOD FRAMING DETAIL SHEET FOR TYPICAL DETAILS.
2. DENOTES SHEAR WALL. SEE SHEAR WALL SCHEDULE FOR REQUIREMENTS
3. DENOTES BEARING WALL OR COLUMN BELOW, IN ADDITION EXTERIOR AND CORRDIOR WALLS ARE ALL BEARING, SEE WALL SCHEDULE FOR WALL SIZE AND SPACING.
4. OTHER TRADES TO DESIGN THEIR SYSTEMS TO ACCOMMODATE 3/8" WOOD SHRINKAGE PER FLOOR.
5. SILL PLATES, TOP PLATES AND BEAMS SHALL HAVE MC15 MAXIMUM WHEN INSTALLED. WALL STUDS AND COLUMNS TO HAVE MC19 MAXIMUM WHEN INSTALLED.
6. DENOTES 2x STUDS. GROUPS OF MORE THAN THREE STUDS WILL BE CALLED OUT INDIVIDUALLY FOR CLARITY. STUDS AT WALL INTERSECTIONS AND CORNERS AT DISCRETION OF CONTRACTOR, MAINTAIN MINIMUM STUD SPACING. DO NOT NOTCH STUDS AT ANCHOR BOLT CONFLICTS. NAIL MULTIPLE STUDS TOGETHER WITH 0.131" x 3" AT 12"oc STAGGERED. FOR STUD SPACING AT BEARING WALLS, SEE BEARING WALL SCHEDULE.
7. ALL WOOD IN CONTACT WITH CONCRETE AND NOT EXPOSED TO WETTING SHALL BE BORATE TREATED. GALVANIZING OF BOLTS AND FASTENERS NOT REQUIRED AT BORATE TREATED WOOD. PROVIDE SILL GASKETS BETWEEN SILL AND CONCRETE.
8. SEE 4 / S520 FOR BLOCK OUTS AT ELECTRICAL PANELS AND FIRE EXTINGUISHER CABINETS.
9. #K/#T DENOTES NUMBER OF KING AND TRIMMER STUDS AT NON-TYPICAL BUILT UP COLUMNS. AT TYPICAL LOCATIONS WITHOUT A TAG SEE HEADER AND KING/TRIMMER SCHEDULE.
10. COLUMNS ANNOTATED ORIGINATE AT THIS LEVEL, TYPICAL

FRAMING NOTES:

1. SEE TYPICAL WOOD FRAMING DETAIL SHEET FOR TYPICAL DETAILS.
2. DENOTES SHEAR WALL BELOW, SEE LEVEL 2 FRAMING PLAN FOR TYPE AND SHEAR WALL SCHEDULE FOR REQUIREMENTS.
3. DENOTES BEARING WALL OR COLUMN BELOW, IN ADDITION EXTERIOR AND CORRIDOR WALLS ARE ALL BEARING, SEE WALL SCHEDULE FOR WALL SIZE AND SPACING.
4. OTHER TRADES TO DESIGN THEIR SYSTEMS TO ACCOMMODATE 3/8" WOOD SHRINKAGE PER FLOOR.
5. SEE S502 FOR ACCEPTABLE HOLE SIZE/LOCATION FOR FLOOR JOISTS AND BEAMS.
6. PLYWOOD OR OSB WITH OVER DRIVEN FASTENERS MAY BE REJECTED AND HAVE TO BE REPLACED. NO MORE THAN 20% OF PERIMETER FASTENERS CAN BE OVERDRIVEN BY NO MORE THAN 1/8"
7. SILL PLATES, TOP PLATES AND BEAMS SHALL HAVE MC15 MAXIMUM WHEN INSTALLED. WALL STUDS AND COLUMNS TO HAVE MC19 MAXIMUM WHEN INSTALLED.
8. TYPICAL FLOOR JOISTS ARE 2x12 AT 16"oc UNLESS NOTED OTHERWISE.
9. DENOTES HANGER, SEE HANGER SCHEDULE FOR TYPICAL HANGERS UNLESS NOTED ON PLAN. FIRE PROTECTION AT XHR BEAMS PER ARCHITECT.
10. ALL WOOD IN CONTACT WITH CONCRETE AND NOT EXPOSED TO WETTING SHALL BE BORATE TREATED. GALVANIZING OF BOLTS AND FASTENERS NOT REQUIRED AT BORATE TREATED WOOD. PROVIDE SILL GASKETS BETWEEN SILL AND CONCRETE.
11. SEE 4 / S520 FOR BLOCK OUTS AT ELECTRICAL PANELS AND FIRE EXTINGUISHER CABINETS.
12. DIAPHRAGM IS UNBLOCKED UNLESS NOTED OTHERWISE.
13. DENOTES SIMPSON COILED STRAP OF TYPE INDICATED ON PLAN, USE 0.148" x 3" NAILS IN EVERY OTHER STRAP HOLE FOR FLOOR AND WALL SHEATHING, FOR TOTAL LENGTH SHOWN ON PLAN UNLESS NOTED OTHERWISE. PROVIDE 2x4 FLAT BLOCKING UNDER STRAP AS INDICATED ON PLAN.
14. #K/#T DENOTES NUMBER OF KING AND TRIMMER STUDS AT NON-TYPICAL BUILT UP COLUMNS. AT LOCATIONS WITHOUT A TAG PROVIDE KINGS AND TRIMMERS PER OPENING SCHEDULE.
15. INDICATES ZONE AT ENDS OF SHEAR WALLS FOR COMPRESSION POST AND HOLDOWNS PER PLAN AND TABLE. THIS ZONE IS APPROXIMATELY 12" AT 6x WALLS, NO PLUMBING, MECHANICAL OR ELECTRICAL COMPONENTS SHALL RUN HORIZONTALLY OR VERTICALLY THROUGH THIS ZONE.
16. PF(X) DENOTES PRIMARY FRAME MEMBERS THAT REQUIRE (X) HOURS OF FIRE PROTECTION. PRIMARY FRAME MEMBERS REQUIRE INDIVIDUAL DRYWALL ENCASEMENT, SEE ARCHITECT AND STRUCTURAL FOR MORE INFORMATION.
17. FWH INDICATES FIRE WALL HANGER, SEE SCHEDULE FOR REQUIREMENTS.
18. SILL PLATES, TOP PLATES AND BEAMS SHALL HAVE MC15 MAXIMUM WHEN INSTALLED. WALL STUDS AND COLUMNS TO HAVE MC19 MAXIMUM WHEN INSTALLED.
19. CHAR (X) DENOTES WOOD MEMBERS THAT HAVE BEEN DESIGNATED FOR X HOURS OF FIRE PROTECTION USING THE AWC FIRE DESIGN SPECIFICATION. ADDITIONAL TENSION LAMINATIONS TO BE ADDED TO XHR GLULAM BEAMS PER DETAILS 5 / S505 AND 6 / S505

ROOF FRAMING NOTES:

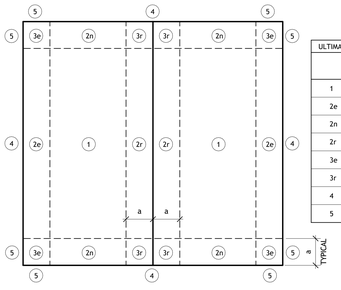
1. SEE FRAMING NOTES AT FLOORS BELOW FOR OTHER INFORMATION.
2. ALL FRAMING MEMBERS SHOWN ARE PRE-FABRICATED TRUSSES AT 24"oc, UNLESS NOTED OTHERWISE. SLOPE FOR ROOF DRAINAGE SHALL BE BUILT INTO THE TRUSS PROFILE UNLESS NOTED OTHERWISE.
3. PRE-FABRICATED TRUSS MANUFACTURER TO PROVIDE GIRDER TRUSSES, HIP TRUSSES AND HANGERS AS REQUIRED FOR A COMPLETE LOAD BEARING SYSTEM.
4. PRE-FABRICATED TRUSS MANUFACTURER TO PROVIDE ADDITIONAL DRAG TRUSSES AS REQUIRED OVER PARALLEL SHEAR WALLS BELOW. DRAG TRUSS FORCES SHOWN ARE ASD LEVEL.
5. WIND UPLIFT DIAGRAMS SHALL BE USED FOR TRUSS DESIGN.
6. SEE ARCHITECT FOR ROOF VENTING DETAILS.
7. ALL TRUSS MEMBERS RECEIVING NAILING FROM SHEATHING, BLOCKING, OR UPLIFT ANCHORS SHALL BE DF-L.
8. GABLE END TRUSSES SHALL BE DESIGNED AND DETAILED BY THE TRUSS MANUFACTURER AS REQUIRED TO MEET CODE OUT OF PLANE WIND PRESSURE AND DEFLECTION CRITERIA.
9. COORDINATE TRUSS MEMBER LOCATIONS WITH MECHANICAL DUCT AND UNIT LOCATIONS.
10. PRE-FABRICATED GIRDER TRUSSES AND HIP TRUSSES SHALL BE (2) PLY MINIMUM.
11. SEE 1 / S512 FOR FALL PROTECTION ANCHORAGE BLOCKING, SEE ARCHITECT FOR LOCATIONS.
12. FOR ALL TRUSSES SUPPORTING FALL PROTECTION ANCHORS, DRAG TRUSSES, AND GIRDER TRUSSES SEE DETAIL 5 / S510 AND 6 / S510 FOR TRUSS UPLIFT CONNECTIONS.
13. DENOTES SIMPSON COILED STRAP OF TYPE INDICATED ON PLAN, USE 0.148" x 3" NAILS IN EVERY OTHER STRAP HOLE FOR FLOOR AND WALL SHEATHING, FOR TOTAL LENGTH SHOWN ON PLAN UNLESS NOTED OTHERWISE. PROVIDE 2x4 FLAT BLOCKING UNDER STRAP AS INDICATED ON PLAN.
14. ALL EXTERIOR AND CORRIDOR WALLS ARE BEARING WALLS UNLESS NOTED OTHERWISE.
15. PROVIDE SIMPSON STC DEFLECTION CLIP AT THE TOP OF ALL NON-BEARING WALLS, SEE DETAIL 2 / S502.
16. 8' 4" INDICATES LENGTH AND MAGNITUDE OF DRIFTED SNOW.
17. DENOTES LOCATION, SIZE AND WEIGHT OF MECHANICAL UNITS. CONFIRM LOCATIONS AND WEIGHTS SHOWN WITH MECHANICAL PLANS.

POST TENSION NOTES:

1. INDICATES POST-TENSIONED DEAD END.
2. INDICATES POST-TENSIONED STRESSING END.
3. 5 1/2 INDICATES DISTANCE FROM BOTTOM OF SLAB TO CENTER OF GRAVITY AT POST-TENSIONED TENDONS. TENDONS CENTERED AT SLAB EDGES UNLESS NOTED OTHERWISE.
4. SEE GENERAL STRUCTURAL NOTES SHEET FOR ADDITIONAL INFORMATION AND NOTES.
5. SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATION OF SLEEVES, BLOCKOUTS AND OTHER ITEMS TO BE COORDINATED WITH THE STRUCTURAL DRAWINGS. SEE SHEET S431 FOR OPENING DETAILS IN POST TENSIONED SLABS.
6. #K INDICATES EFFECTIVE POST TENSIONING FORCE (KIPS OR KIPS / FT) AFTER LOSSES.
7. SEE SHEETS S430 AND S431 FOR TYPICAL POST TENSIONED SLAB DETAILS.

REINFORCING PLAN NOTES:

1. (X) #X INDICATES QUANTITY AND SIZE OF ADDITIONAL REINFORCEMENT AT TOP OF SLAB UNLESS NOTED OTHERWISE.
2. # INDICATES SLAB STUD RAIL REINFORCEMENT AT COLUMN. SEE 3 / S410 FOR MORE INFORMATION. SEE DETAIL 4 / S410 FOR ALLOWABLE PENETRATIONS ADJACENT TO COLUMN.
3. ALL REINFORCING MUST EXTEND 1/3 SPAN MINIMUM BEYOND SUPPORT. FOR MORE INFORMATION AT COLUMN SEE 7 / S430.
4. SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATION OF SLEEVES, BLOCKOUTS AND OTHER ITEMS TO BE COORDINATED WITH THE STRUCTURAL DRAWINGS. SEE POST TENSIONED SLAB DETAIL SHEET S431 FOR OPENING DETAILS IN POST TENSIONED SLABS.
5. FOR SHEAR WALL TO SLAB AND ADDITIONAL REINFORCEMENT REQUIREMENTS AT SHEAR WALLS SEE SHEET S420
6. SEE SHEETS S430 AND S431 FOR TYPICAL POST TENSIONED SLAB DETAILS.
7. CONTRACTOR TO COORDINATE STAIR AND ELEVATOR SUPPORT EMBEDS WITH BIDDER DESIGNED SYSTEMS.
8. INDICATES STEP IN STRUCTURAL SLAB.

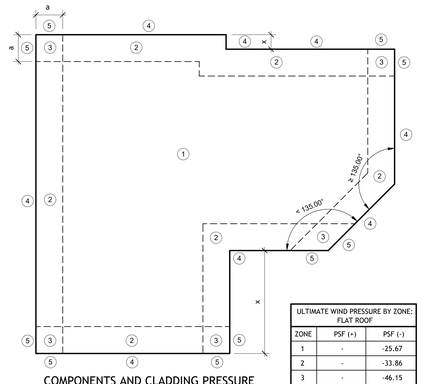


PLAN

NOTES:
1. SEE NOTES IN COMPONENTS AND CLADDING WIND PRESSURE DIAGRAM DETAIL

ULTIMATE WIND PRESSURE BY ZONE: GABLED ROOF		
	PRESSURE (+) (PSF)	PRESSURE (-) (PSF)
1	-	-29.76
2e	-	-29.76
2n	-	-43.42
2r	-	-43.42
3e	-	-43.42
3r	-	-51.61
4	16.11	-17.48
5	16.11	-21.57

COMPONENTS AND CLADDING PRESSURE DIAGRAM FOR GABLED ROOF



COMPONENTS AND CLADDING PRESSURE DIAGRAM FOR IRREGULAR FLAT ROOF

ULTIMATE WIND PRESSURE BY ZONE: FLAT ROOF		
ZONE	PSF (+)	PSF (-)
1	-	-25.67
2	-	-33.86
3	-	-46.15
4	16.11	-17.48
5	16.11	-21.57

NOTES:

1. WIND LOADS FOR COMPONENTS AND CLADDING ARE DETERMINED IN ACCORDANCE WITH IBC 2018 SECTION 1609 / ASCE 7-16 SECTION 30.6, AND ARE STRENGTH LEVEL (Vult) PRESSURES. SCALING TO NOMINAL (Vasd) PRESSURES MAY BE ACCOMPLISHED BY MULTIPLYING THE INDICATED VALUES BY 0.60.
2. EXTERIOR COMPONENTS AND CLADDING SHALL BE DESIGNED TO ACCOMODATE WORST CASE WIND LOADS SHOWN. ALTERNATIVELY, WIND LOADS MAY BE DETERMINED DIRECTLY FROM THE PROVISIONS OF IBC 2021 SECTION 1609 / ASCE 7-16 USING THE WIND LOAD CRITERIA NOTED IN THE "GENERAL NOTES".
3. METHOD OF MODIFICATION AND APPLICATION FACTORS APPLICABLE FOR CORNERS, OVERHANGS, ETC. SHALL BE DETERMINED PER ASCE 7-16 BY THE CLADDING DESIGNER. REFER TO "GENERAL NOTES" FOR ADDITIONAL INFORMATION AFFECTING CLADDING DESIGN, AND CONNECTION TO THE STRUCTURE.
4. INWARD (POSITIVE) PRESSURE ACTS TOWARDS THE BUILDING SURFACE AND OUTWARD (NEGATIVE) PRESSURE ACTS AS SUCTION ON THE BUILDING SURFACE.
5. PRESSURES ARE CALCULATED USING THE MINIMUM EFFECTIVE WIND AREA (10 SQUARE FEET).
6. EDGE PRESSURES SHALL BE USED FOR A DISTANCE "a" FROM THE BUILDINGS CORNERS, WHERE "a" IS 10% OF THE LEAST HORIZONTAL DIMENSION, BUT NOT LESS THAN 3 FEET. "a" IS USED FOR OUTWARD PRESSURES ONLY.
7. X = OFFSET DIMENSION.
8. LABELS MARKED ON THE ROOF PLAN INDICATES ROOF ZONES. LABELS MARKED OUTSIDE THE ROOF PLAN INDICATE WALL ZONES.
9. IF X ≤ a, THEN ZONE 3 AND ZONE 5 NEED NOT BE APPLIED AT THAT CORNER.
10. IF THE INTERIOR ANGLE IS > 135°, THEN ZONE 3 AND ZONE 5 NEED NOT BE APPLIED AT THAT CORNER.
11. NET WIND PRESSURE TO ALL PARAPETS IS 94 PSF.
12. THE ABOVE DIAGRAM IS SYMBOLIC AND DOES NOT REPRESENT ACTUAL BUILDING SHAPE.

PLAN VIEWS OF ROOF AND WALL ZONES FOR COMPONENTS AND CLADDING LOADS

FOOTINGS

CALL OUT	DIMENSIONS	REINFORCING
F1xC	1'-6" x CONTINUOUS x 0'-10" DEEP	(3) #5 BOTTOM
F2xC	2'-0" x CONTINUOUS x 0'-10" DEEP	(4) #5 BOTTOM
F1	12'-0" SQUARE x 2'-0" DEEP	(13) #6 EACH WAY TOP AND BOTTOM
F2	8'-0" SQUARE x 2'-0" DEEP	(9) #6 EACH WAY TOP AND BOTTOM
F3	13'-0" SQUARE x 2'-0" DEEP	(14) #6 EACH WAY TOP AND BOTTOM

NOTES:
1. MINIMUM REINFORCING, SEE PLAN FOR ADDITIONAL.

TYPICAL JOIST/BEAM HANGER SCHEDULE

JOIST	HANGER TYPICAL	HANGER OVER (2) LAYERS GYPSUM BOARD
2x10	JB210A	DHUTF 1.81/9.5
2x12	JB212A	DHUTF 2.06/11.88
3 1/2" GL	SIMPSON LBV	DHUTF 3.56/
5 1/2" GL	SIMPSON HW	
DIMENSIONAL LUMBER	SIMPSON HUSTF	

NOTE:
1. JOISTS ARE LAID OUT FROM CENTER LINE OF CORRIDORS

BEARING WALL SCHEDULE

LEVEL	FLOOR TO FLOOR HEIGHT	PARTY WALLS (13'-6" TRIB)	INTERIOR UNIT (12'-6" TRIB)	INTERIOR UNIT (15'-6" TRIB)	CORRIDOR	EXTERIOR
5	9'-2"	2x6 AT 16"oc	2x6 OR 2x4 16"oc	2x6 OR 2x4 16"oc	2x6 AT 16"oc	2x8 AT 16"oc
4	10'-4"	2x6 AT 16"oc	2x6 OR (2) 2x4 16"oc	2x6 OR (2) 2x4 16"oc	2x6 AT 16"oc	2x8 AT 16"oc
3	10'-4"	2x6 AT 16"oc	2x6 OR (3) 2x4 16"oc	2x6 OR (3) 2x4 16"oc	(2) 2x6 AT 16"oc	2x8 AT 16"oc
2	10'-4"	(2) 2x6 AT 16"oc	2x6 OR (3) 2x4 16"oc	2x6 OR (4) 2x4 16"oc	(2) 2x6 AT 16"oc	2x8 AT 16"oc

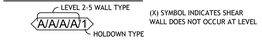
NOTES:
-WALL STUDS AND PLATES SHALL BE DF-L NO. 2 UNLESS NOTED OTHERWISE
-ALL PLATES SHALL BE MC15 PRIOR TO SHEET ROCK AND PLUMBING INSTALL

SHEAR WALL SCHEDULE

MARK	PLYWOOD OR OSB SHEATHING	NUMBER OF SIDES	PANEL EDGE FASTENING	SILL FASTENING SEISMIC, SEE NOTE BELOW FOR SDWS LENGTH		CLIP SEISMIC SEE NOTE 11	SILL BOLTING SEISMIC	MUD SILL	TYPICAL SILL	DOUBLE STUD SCREW SPACING SEISMIC	CAPACITY SEISMIC	CAPACITY WIND
				SILL TO TOP PLATE (MODIFIED BALLOON)	SILL TO RIMS/BLOCKING (PLATFORM FRAMING)							
A	15/32" STRUCT 1	ONE SIDE	0.148" x 3" x 0.312" NAILS AT 6"oc	(1) ROW 0.148" x 3" x 0.312" NAILS AT 6"oc	(1) ROW 0.148" x 3" x 0.312" NAILS AT 6"oc	A35 AT 24"oc	5/8" DIAMETER AT 48"oc	2x	2x	DOUBLE STUD NOT REQUIRED	340 PLF	475 PLF
B	15/32" STRUCT 1	ONE SIDE	0.148" x 3" x 0.312" NAILS AT 4"oc	(1) ROW 0.148" x 3" x 0.312" NAILS AT 4"oc	(1) ROW 0.148" x 3" x 0.312" NAILS AT 4"oc	A35 AT 16"oc	5/8" DIAMETER AT 34"oc	2x	2x	DOUBLE STUD NOT REQUIRED	510 PLF	715 PLF
C	15/32" STRUCT 1	ONE SIDE	0.148" x 3" x 0.312" NAILS AT 3"oc	(2) ROWS 0.148" x 3" x 0.312" AT 7"oc	(2) ROWS 0.148" x 3" x 0.312" AT 7"oc	(2) ROWS A35/LS50 AT 24"oc	5/8" DIAMETER AT 26"oc	2x	2x	SDS AT 10"oc	665 PLF	930 PLF
D	15/32" STRUCT 1	ONE SIDE	0.148" x 3" x 0.312" NAILS AT 2"oc	(2) ROWS 0.148" x 3" x 0.312" AT 5"oc	(2) ROWS 0.148" x 3" x 0.312" AT 5"oc	(2) ROWS A35/LS50 AT 18"oc	5/8" DIAMETER AT 20"oc	3x	2x	SDS AT 7 1/2"oc	870 PLF	1217 PLF
E	15/32" STRUCT 1	TWO SIDE	0.148" x 3" x 0.312" NAILS AT 4"oc	(2) ROWS SDWS 0.22" x REQUIRED AT 15"oc	(2) ROWS SDWS 0.22" x REQUIRED AT 15"oc	(2) ROWS A35/LS50 AT 15"oc	5/8" DIAMETER AT 18"oc	3x	2x	(2) ROWS SDS AT 12"oc	1020 PLF	1430 PLF
F	15/32" STRUCT 1	TWO SIDE	0.148" x 3" x 0.312" NAILS AT 3"oc	(2) ROWS SDWS 0.22" x REQUIRED AT 12"oc	(2) ROWS SDWS 0.22" x REQUIRED AT 8"oc	(2) ROWS A35/LS50 AT 12"oc	5/8" DIAMETER AT 14"oc	3x	2x	(2) ROWS SDS AT 9"oc	1330 PLF	1860 PLF
G	15/32" STRUCT 1	TWO SIDE	0.148" x 3" x 0.312" NAILS AT 2"oc	(2) ROWS SDWS 0.22" x REQUIRED AT 9"oc	(2) ROWS SDWS 0.22" x REQUIRED AT 6"oc	NA	5/8" DIAMETER AT 10"oc	3x	2x	(2) ROWS SDS AT 7"oc	1740 PLF	2435 PLF

NOTES:
1. STRUCTURAL WALL SHEATHING SHALL BE AS SPECIFIED IN THE TYPICAL FRAMING NOTES. FIELD NAILING SHALL BE 10d AT 12"oc.
2. WHERE PANELS ARE APPLIED ON BOTH FACES OF A WALL AND NAIL SPACING IS LESS THAN 6 INCHES (152MM) ON CENTER ON EITHER SIDE, PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS OR FRAMING SHALL BE 3-INCH (76MM) NOMINAL OR THICKER AND NAILS ON EACH SIDE SHALL BE STAGGERED.
3. ALL PANEL EDGES SHALL BE BLOCKED.
4. USE OF MACHINE NAILING IS SUBJECT TO APPROVAL BY THE PROJECT STRUCTURAL ENGINEER. WITH APPROVAL, MACHINE NAILING IS SUBJECT TO THE DEMONSTRATION OF CONTINUOUS SATISFACTORY JOB SITE PERFORMANCE. IF NAIL HEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER, OR IF MINIMUM EDGE DISTANCES ARE NOT MAINTAINED, THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.
5. NO PANEL LESS THAN 12 INCHES WIDE SHALL BE USED IN VERTICAL PLYWOOD SHEAR WALLS.
6. ALL SILL BOLTS SHALL HAVE 1/4" x 3 SQUARE (MINIMUM) PLATE WASHER UNDER NUT.
7. PLYWOOD EDGE FASTENING AND SILL FASTENING SHALL BE STAGGERED.
8. FT = FORCE TRANSFER, SEE FORCE TRANSFER SHEAR WALL DETAIL. PR = PERFORATED SHEAR WALL, SEE PERFORATED SHEAR WALL DETAIL. FOR ALL OTHER SHEAR WALLS SEE TYPICAL SHEAR WALL DETAIL.
9. NAIL SIZES ABOVE ARE DENOTED AS SHANK DIAMETER x NAIL LENGTH x HEAD DIAMETER.
10. FOR SDWS LENGTH AT SILL FASTENING PROVIDE 1 3/4" PENETRATION INTO TOP PLATES OF WALL BELOW OR INTO TOP OF RIMS/BLOCKING BELOW.
11. AT DOUBLE RIM/BLOCKING, CLIPS SHOWN ARE REQUIRED ON EACH RIM. PROVIDE A35 WHERE OVER WALLS, AND LS50 WHERE MEMBER IS FLUSH WITH FACE OF WALL OR SHEATHING. A35'S REQUIRE 0.131" x 1 1/2" NAILS, LS50'S REQUIRE 0.148" x 3" NAILS.

TYPICAL SHEAR WALL TAG



INTERIOR WALL HEADER SCHEDULE

FLOOR JOISTS PERPENDICULAR			
OPENING WIDTH	4x HEADER	6x HEADER	STUDS
UP TO 4'-3"	4x8	6x8	SEE SCHEDULE
4'-3" TO 6'-3"	4x10	6x10	SEE SCHEDULE
6'-3" OR MORE	SEE PLAN	SEE PLAN	SEE SCHEDULE
FLOOR JOISTS PARALLEL			
OPENING WIDTH	4x HEADER	6x HEADER	STUDS
UP TO 4'-3"	(2) 2x6	(2) 2x6	1K/1T
4'-3" TO 6'-3"	(2) 2x6	(2) 2x6	1K/1T
6'-6" OR MORE	(2) 2x6	(2) 2x6	2K/2T

EXTERIOR WALL HEADER SCHEDULE

FLOOR JOISTS PERPENDICULAR			
OPENING WIDTH	HEADER	SILL	STUDS
UP TO 4'-3"	6x8	(1) 2x	SEE SCHEDULE
4'-3" TO 6'-3"	6x10	(1) 2x	SEE SCHEDULE
8'-3" MAXIMUM	5 1/2 x 12 GL	(2) 2x	SEE SCHEDULE
FLOOR JOISTS PARALLEL			
OPENING WIDTH	HEADER	SILL	STUDS
UP TO 4'-3"	(2) 2x6	(1) 2x	1K/1T
4'-3" TO 6'-3"	(3) 2x6	(1) 2x	2K/1T
8'-3" MAXIMUM	6x10	(2) 2x	2K/2T

NOTE:
-SEE BUILT UP HEADER DETAIL FOR THE REQUIRED ASSEMBLY WHERE 2x SAWN HEADERS ARE CALLED OUT WITHIN THE TABLES ABOVE

INTERIOR BEARING WALL KING AND TRIMMER STUD SCHEDULE

FLOOR JOISTS PERPENDICULAR							
LEVEL	STUD SIZE	OPENING WIDTH					
		UP TO 4'-3"		4'-4" TO 6'-3"		6'-3" TO 8'-3"	
		LOW	FLUSH	LOW	FLUSH	LOW	FLUSH
5	2x4	1K/1T	2K	1K/1T	2K	1K/1T	2K
	2x6	1K/1T	2K	1K/1T	2K	1K/1T	2K
4	2x4	2K/1T	3K	2K/1T	3K	2K/2T	4K
	2x6	1K/1T	2K	1K/1T	2K	2K/2T	3K
3	2x4	2K/2T	4K	2K/2T	4K	3K/2T	5K
	2x6	1K/1T	2K	2K/1T	3K	3K/2T	4K
2	2x4	3K/2T	5K	3K/2T	5K	4K/2T	6K
	2x6	2K/1T	3K	2K/2T	4K	3K/2T	5K

EXTERIOR BEARING WALL KING AND TRIMMER STUD SCHEDULE

FLOOR JOISTS PERPENDICULAR			
LEVEL	OPENING WIDTH		
	4'-3" OR LESS	6'-3" OR LESS	8'-3" OR LESS
5	1K/1T	1K/1T	1K/1T
4	1K/1T	1K/1T	1K/1T
3	1K/1T	1K/2T	1K/2T
2	1K/1T	2K/2T	2K/2T

NOTE:
-WHERE ROOF TRUSSES ARE PERPENDICULAR AND FLOOR JOISTS ARE PARALLEL PROVIDE NUMBER OF KING AND TRIMMER STUDS PER FLOOR JOIST PARALLEL CONDITION

CONTINUOUS TIE DOWN SYSTEM SCHEDULE

LEVEL	TIE DOWN SYMBOL									
	1		2		3		4		5	
	T	POST	T	POST	T	POST	T	POST	T	POST
5	5k	(4) 2x6	5k	(4) 2x6	5k	(4) 2x6	8k	(4) 2x6	5k	(6) 2x4
4	12k	(6) 2x6	12k	(6) 2x6	8k	(6) 2x6	17k	(6) 2x6	12k	(8) 2x4
3	24k	(6) 2x6	18k	(6) 2x6	12k	(6) 2x6	32k	(6) 2x6	18k	(8) 2x4
2	36k	(6) 2x6	28k	(6) 2x6	20k	(6) 2x6	48k	(6) 2x6	28k	(2) 4x6
BASE ANCHORAGE AT CONCRETE										
TIE DOWN ANCHOR	1" A449 FY MIN = 92 KSI		7/8" A449 FY MIN = 92 KSI		1 1/8" F1554 GR 36		1 1/4" A449 FY MIN = 92 KSI		7/8" A449 FY MIN = 92 KSI	
ANCHOR MINIMUM 13" FROM SLAB EDGE	5 / S450		5 / S450		4 / S450		10 / S450		5 / S450	
ANCHOR 42" OR MORE FROM SLAB EDGE	2 / S450		2 / S450		9 / S450		3 / S450		2 / S450	

NOTES:
1. SEE PLANS FOR TIE DOWN LOCATIONS.
2. T INDICATES TENSION LOAD (ASD) IN KIPS AT EACH TIE DOWN ROD.
3. SEE GENERAL STRUCTURAL NOTES FOR ALL TIE DOWN SYSTEM DESIGNER RESPONSIBILITIES.
4. COMPRESSION POST STUDS TO BE FULL WIDTH OF WALL AT STAGGERED STUD DEMISING WALLS.
5. COMPRESSION POST LISTED INDICATES TOTAL NUMBER OF STUDS REQUIRED AT EACH HOLDOWN.

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PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25-063
DRAWN: AAS
DATE: 20 MARCH 2026
BUILDING PERMIT SET
REVISION: DESCRIPTION:

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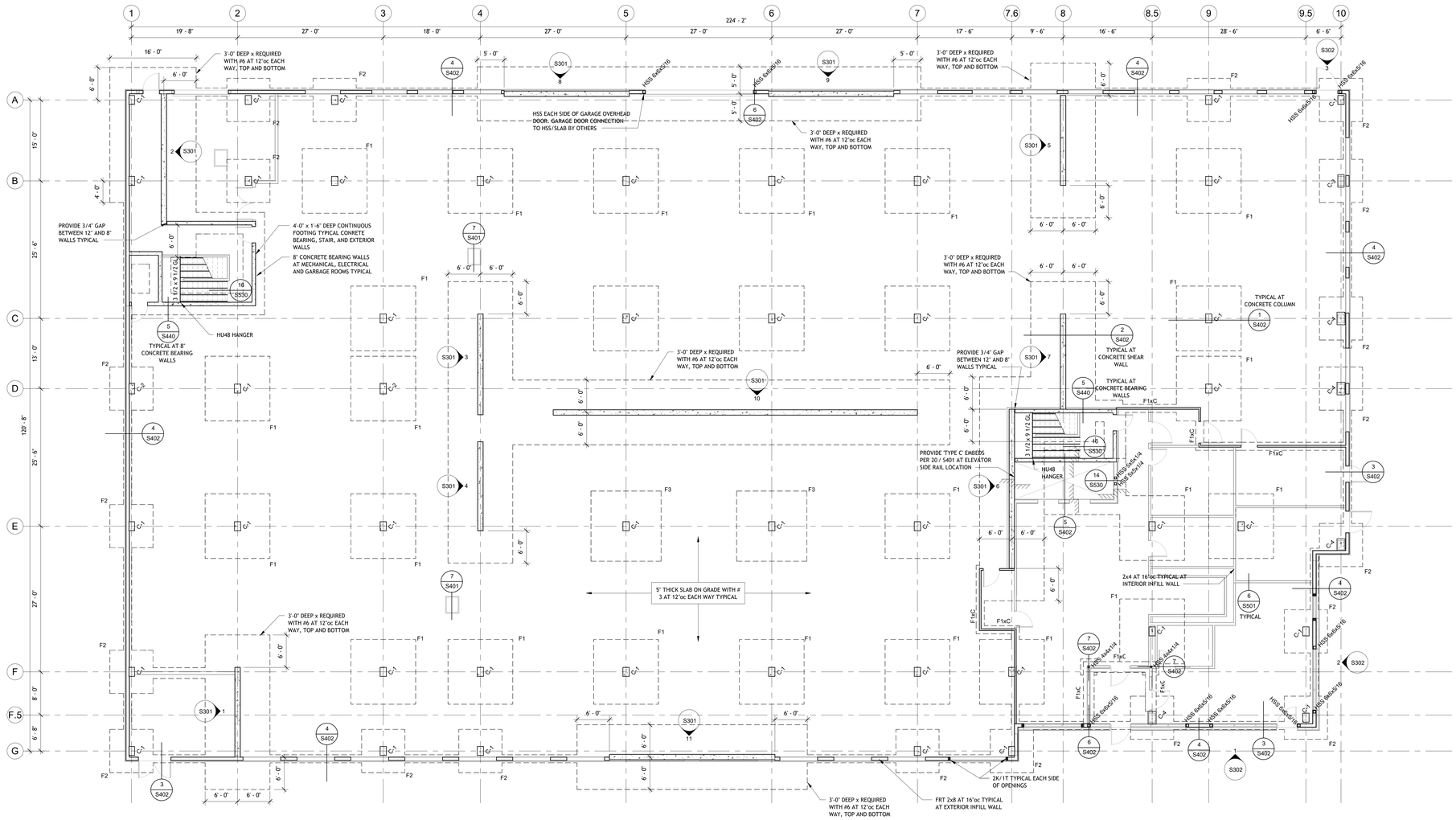


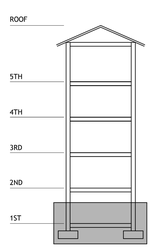
1 FOUNDATION PLAN
1/8" = 1'-0"

FOOTINGS		
CALL OUT	DIMENSIONS	REINFORCING
F1xC	1'-6" x CONTINUOUS x 0'-10" DEEP	(3) #5 BOTTOM
F2xC	2'-0" x CONTINUOUS x 0'-10" DEEP	(4) #5 BOTTOM
F1	12'-0" SQUARE x 2'-0" DEEP	(13) #6 EACH WAY TOP AND BOTTOM
F2	8'-0" SQUARE x 2'-0" DEEP	(9) #6 EACH WAY TOP AND BOTTOM
F3	13'-0" SQUARE x 2'-0" DEEP	(14) #6 EACH WAY TOP AND BOTTOM

NOTES:
1. MINIMUM REINFORCING, SEE PLAN FOR ADDITIONAL.

FOUNDATION NOTES:

1. BEARING SURFACES MUST BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO POURING FOOTING AND SLAB.
2. CENTER FOOTINGS UNDER COLUMNS AND WALLS UNLESS NOTED OTHERWISE.
3. SEE ARCHITECT, CIVIL, AND LANDSCAPE FOR ELEVATIONS, SLOPES, AND DIMENSIONS NOT SHOWN.
4. SEE GEOTECHNICAL REPORT, ARCHITECTURAL, AND CIVIL DRAWINGS FOR ANY REQUIRED FOUNDATION DRAINS.
5. F# DENOTES FOOTING TYPE, SEE FOUNDATION SCHEDULE.
6. DENOTES STEP IN SLAB ON GRADE, SEE DETAILS 6 / S401 AND 9 / S401 . VERIFY STEP LOCATIONS SHOWN WITH ARCHITECTURAL SLAB PLAN.
7. AT HOUSEKEEPING PADS SEE DETAIL 8 / S401 SEE ARCHITECT FOR LOCATIONS.
8. FOR SLAB JOINTS, SEE DETAIL 16 / S401
9. ALL WOOD IN CONTACT WITH CONCRETE AND NOT EXPOSED TO WETTING SHALL BE BORATE TREATED. GALVANIZING OF BOLTS AND FASTENERS NOT REQUIRED AT BORATE TREATED WOOD. PROVIDE SILL GASKETS BETWEEN SILL AND CONCRETE.
10. 5" SLAB ON GRADE WITH #3 AT 12"oc EACH WAY TYPICAL, UNLESS NOTED OTHERWISE. EXTERIOR CONCRETE BY OTHERS.
11. SEE DETAIL 2 / S401 FOR SOIL PREPARATION BELOW EXTERIOR FOOTINGS AND RETAINING WALLS PER GEOTECHNICAL REPORT. ANY AREAS THAT ARE IDENTIFIED AS SOFT OR YIELDING DURING SUBGRADE EXCAVATION SHOULD BE BROUGHT TO THE ATTENTION OF THE GEOTECHNICAL ENGINEER.
12. SEE 1 / S401 FOR UNDER SLAB PREPARATION REQUIREMENTS PER GEOTECHNICAL REPORT, VERIFY REQUIREMENTS WITH GEOTECHNICAL REPORT.
13. FOLLOWING SITE PREPARATION, PRIOR TO PLACING AGGREGATE BASE, EXPOSED SUBGRADE SHOULD BE EVALUATED BY PROOF ROLLING WITH A FULLY LOADED DUMP TRUCK OR SIMILAR, OR ANOTHER METHOD OF SUBGRADE VERIFICATION UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER.
14. INTERIOR GROUND FLOOR INFILL WOOD WALLS SHALL BE 2X AT 26'oc, SEE DETAIL 6 / S501 FOR BASE AND DETAIL 4 / S440 FOR TOP OF WALL ASSEMBLIES. EXTERIOR GROUND FLOOR INFILL WOOD WALLS FRT 2X AT 16'oc UNLESS NOTED OTHERWISE ON PLAN, SEE DETAIL 4 / S402 FOR BASE AND DETAIL 4 / S440 FOR TOP OF WALL ASSEMBLIES.
15. AT EXTERIOR WALL OPENINGS PROVIDE FRT 6x8 HEADER WITH (2) FRT KING AND (1) FRT TRIMMER STUDS TYPICAL UNLESS NOTED OTHERWISE. AT INTERIOR WALL OPENINGS PROVIDE 4x6 HEADERS WITH (1) KING AND (1) TRIMMER STUD TYPICAL UNLESS NOTED OTHERWISE. SEE DETAIL 1 / S505 FOR TYPICAL EXTERIOR OPENING REQUIREMENTS AND DETAIL 4 / S440 FOR TOP OF WALL ASSEMBLY.



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PUYALLUP BELL PLACE

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URBAN PUYALLUP MIXED USE LLC

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PUYALLUP, WA 98371

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DRAWN: AAS
DATE: 20 MARCH 2026
BUILDING PERMIT SET

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SHEET TITLE:
FOUNDATION PLAN

SHEET NO.:
S201

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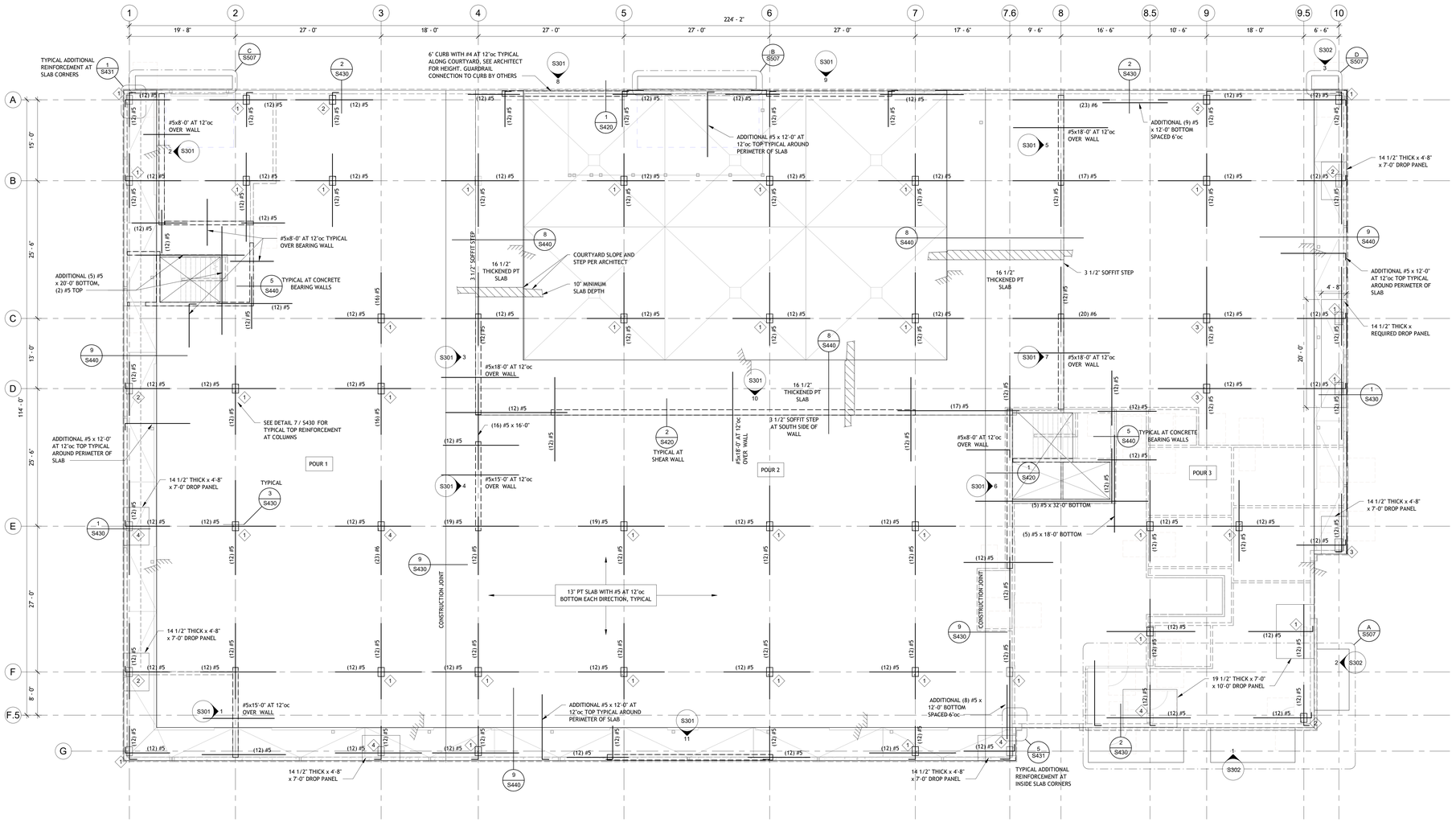
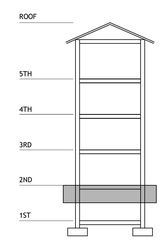


1 LEVEL 2 DB PLAN
1/8" = 1'-0"

REINFORCING PLAN NOTES:

1. (X) #X — INDICATES QUANTITY AND SIZE OF ADDITIONAL REINFORCEMENT AT TOP OF SLAB UNLESS NOTED OTHERWISE.
2. (#) — INDICATES SLAB STUD RAIL REINFORCEMENT AT COLUMN. SEE 3 / S410 FOR MORE INFORMATION. SEE DETAIL 4 / S410 FOR ALLOWABLE PENETRATIONS ADJACENT TO COLUMN.
3. ALL REINFORCING MUST EXTEND 1/3 SPAN MINIMUM BEYOND SUPPORT. FOR MORE INFORMATION AT COLUMN SEE 7 / S430.
4. SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATION OF SLEEVES, BLOCKOUTS AND OTHER ITEMS TO BE COORDINATED WITH THE STRUCTURAL DRAWINGS. SEE POST TENSIONED SLAB DETAIL SHEET S431 FOR OPENING DETAILS IN POST TENSIONED SLABS.
5. FOR SHEAR WALL TO SLAB AND ADDITIONAL REINFORCEMENT REQUIREMENTS AT SHEAR WALLS SEE SHEET S420
6. SEE SHEETS S430 AND S431 FOR TYPICAL POST TENSIONED SLAB DETAILS.
7. CONTRACTOR TO COORDINATE STAIR AND ELEVATOR SUPPORT EMBEDS WITH BIDDER DESIGNED SYSTEMS.
8. INDICATES STEP IN STRUCTURAL SLAB.



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SHEET TITLE:
LEVEL 2 DB PLAN

SHEET NO.:
S202a

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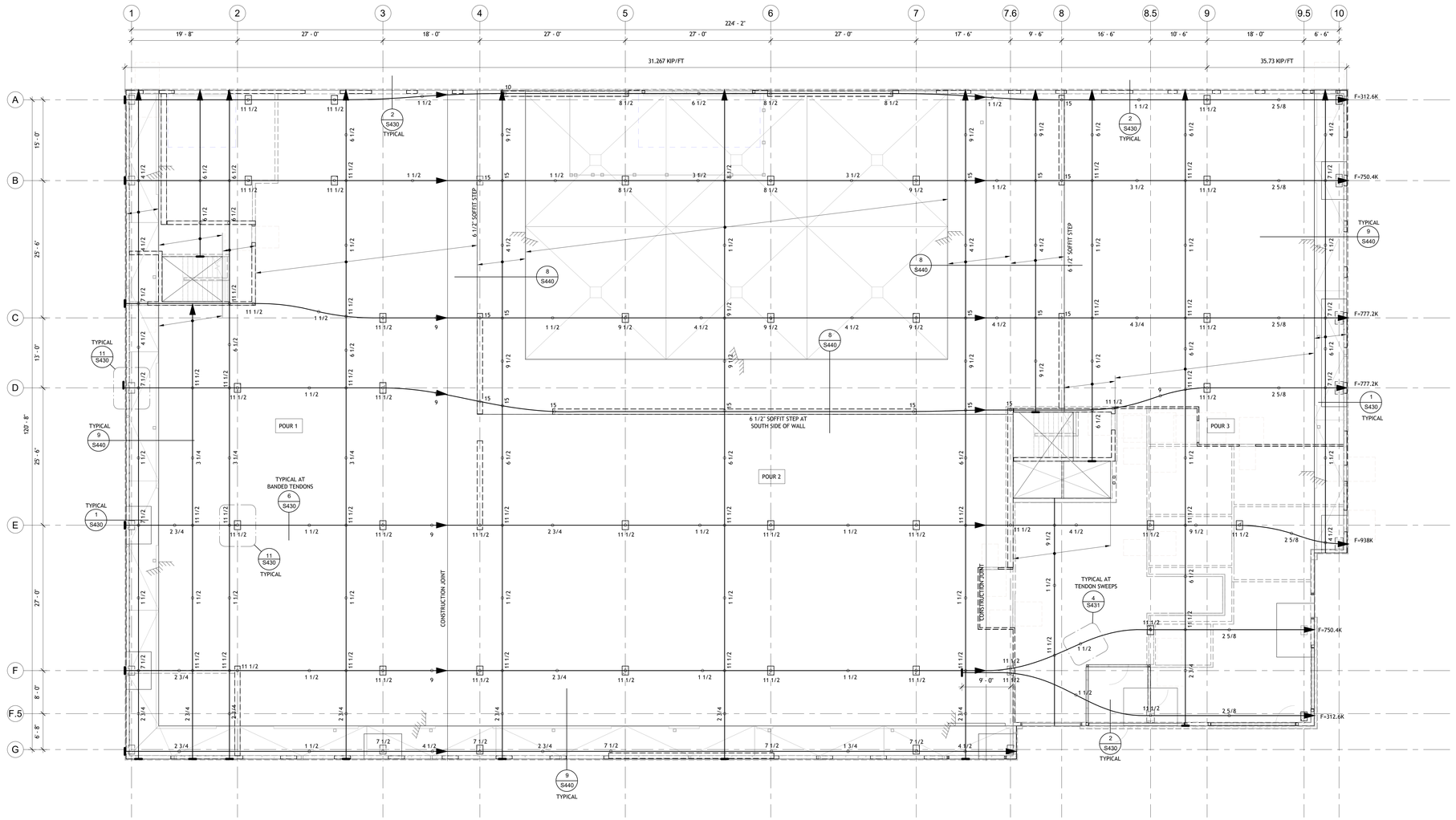
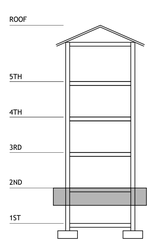


1 LEVEL 2 PT PLAN
1/8" = 1'-0"

POST TENSION NOTES:

1. INDICATES POST-TENSIONED DEAD END.
2. INDICATES POST-TENSIONED STRESSING END.
3. 5 1/2 INDICATES DISTANCE FROM BOTTOM OF SLAB TO CENTER OF GRAVITY AT POST-TENSIONED TENDONS. TENDONS CENTERED AT SLAB EDGES UNLESS NOTED OTHERWISE.
4. SEE GENERAL STRUCTURAL NOTES SHEET FOR ADDITIONAL INFORMATION AND NOTES.
5. SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATION OF SLEEVES, BLOCKOUTS AND OTHER ITEMS TO BE CORRDINATED WITH THE STRUCTURAL DRAWINGS. SEE SHEET S431 FOR OPENING DETAILS IN POST TENSIONED SLABS.
6. #K INDICATES EFFECTIVE POST TENSIONING FORCE (KIPS OR KIPS / FT) AFTER LOSSES.
7. SEE SHEETS S430 AND S431 FOR TYPICAL POST TENSIONED SLAB DETAILS.



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SHEET TITLE:
LEVEL 2 PT PLAN

SHEET NO.:
S202b

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1 LEVEL 2 FRAMING PLAN
1/8" = 1'-0"

SHEAR WALL SCHEDULE

MARK	PLYWOOD OR OSB SHEATHING	NUMBER OF SIDES	PANEL EDGE FASTENING	SILL FASTENING SEISMIC, SEE NOTE BELOW FOR SDWS LENGTH		CLIP SEISMIC SEE NOTE 11	SILL BOLTING SEISMIC	MUD SILL	TYPICAL SILL	DOUBLE STUD SCREW SPACING SEISMIC	CAPACITY SEISMIC	CAPACITY WIND
				SILL TO TOP PLATE (MODIFIED BALLOON)	SILL TO RIMS/BLOCKING (PLATFORM FRAMING)							
A	15/32" STRUCT 1	ONE SIDE	0.148" x 3" x 0.312" NAILS AT 6"oc	(1) ROW 0.148" x 3" x 0.312" NAILS AT 6"oc	(1) ROW 0.148" x 3" x 0.312" NAILS AT 6"oc	A35 AT 24"oc	5/8" DIAMETER AT 48"oc	2x	2x	DOUBLE STUD NOT REQUIRED	340 PLF	475 PLF
B	15/32" STRUCT 1	ONE SIDE	0.148" x 3" x 0.312" NAILS AT 4"oc	(1) ROW 0.148" x 3" x 0.312" NAILS AT 4"oc	(1) ROW 0.148" x 3" x 0.312" NAILS AT 4"oc	A35 AT 16"oc	5/8" DIAMETER AT 34"oc	2x	2x	DOUBLE STUD NOT REQUIRED	510 PLF	715 PLF
C	15/32" STRUCT 1	ONE SIDE	0.148" x 3" x 0.312" NAILS AT 3"oc	(2) ROWS 0.148" x 3" x 0.312" AT 7"oc	(2) ROWS 0.148" x 3" x 0.312" AT 7"oc	(2) ROWS A35/LS50 AT 24"oc	5/8" DIAMETER AT 26"oc	2x	2x	SDS AT 10"oc	665 PLF	930 PLF
D	15/32" STRUCT 1	ONE SIDE	0.148" x 3" x 0.312" NAILS AT 2"oc	(2) ROWS 0.148" x 3" x 0.312" AT 5"oc	(2) ROWS 0.148" x 3" x 0.312" AT 5"oc	(2) ROWS A35/LS50 AT 18"oc	5/8" DIAMETER AT 20"oc	3x	2x	SDS AT 7 1/2"oc	870 PLF	1217 PLF
E	15/32" STRUCT 1	TWO SIDE	0.148" x 3" x 0.312" NAILS AT 4"oc	(2) ROWS SDWS 0.22" x REQUIRED AT 15"oc	(2) ROWS SDWS 0.22" x REQUIRED AT 10"oc	(2) ROWS A35/LS50 AT 15"oc	5/8" DIAMETER AT 18"oc	3x	2x	(2) ROWS SDS AT 12"oc	1020 PLF	1430 PLF
F	15/32" STRUCT 1	TWO SIDE	0.148" x 3" x 0.312" NAILS AT 3"oc	(2) ROWS SDWS 0.22" x REQUIRED AT 12"oc	(2) ROWS SDWS 0.22" x REQUIRED AT 8"oc	(2) ROWS A35/LS50 AT 12"oc	5/8" DIAMETER AT 14"oc	3x	2x	(2) ROWS SDS AT 9"oc	1330 PLF	1860 PLF
G	15/32" STRUCT 1	TWO SIDE	0.148" x 3" x 0.312" NAILS AT 2"oc	(2) ROWS SDWS 0.22" x REQUIRED AT 9"oc	(2) ROWS SDWS 0.22" x REQUIRED AT 6"oc	NA	5/8" DIAMETER AT 10"oc	3x	2x	(2) ROWS SDS AT 7"oc	1740 PLF	2435 PLF

NOTES:
1. STRUCTURAL WALL SHEATHING SHALL BE AS SPECIFIED IN THE TYPICAL FRAMING NOTES. FIELD NAILING SHALL BE 10d AT 12"oc.
2. WHERE PANELS ARE APPLIED ON BOTH FACES OF A WALL AND NAIL SPACING IS LESS THAN 6 INCHES (152MM) ON CENTER ON EITHER SIDE, PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS OR FRAMING SHALL BE 3-INCH (76MM) NOMINAL OR THICKER AND NAILS ON EACH SIDE SHALL BE STAGGERED.
3. ALL PANEL EDGES SHALL BE BLOCKED.
4. USE OF MACHINE NAILING IS SUBJECT TO APPROVAL BY THE PROJECT STRUCTURAL ENGINEER. WITH APPROVAL, MACHINE NAILING IS SUBJECT TO THE DEMONSTRATION OF CONTINUOUS SATISFACTORY JOB SITE PERFORMANCE. IF NAIL HEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER, OR IF MINIMUM EDGE DISTANCES ARE NOT MAINTAINED, THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.
5. NO PANEL LESS THAN 12 INCHES WIDE SHALL BE USED IN VERTICAL PLYWOOD SHEAR WALLS.
6. ALL SILL BOLTS SHALL HAVE 1/4" x 3 SQUARE (MINIMUM) PLATE WASHER UNDER NUT.
7. PLYWOOD EDGE FASTENING AND SILL FASTENING SHALL BE STAGGERED.
8. FT = FORCE TRANSFER, SEE FORCE TRANSFER SHEAR WALL DETAIL. PR = PERFORATED SHEAR WALL, SEE PERFORATED SHEAR WALL DETAIL. FOR ALL OTHER SHEAR WALLS SEE TYPICAL SHEAR WALL DETAIL.
9. NAIL SIZES ABOVE ARE DENOTED AS SHANK DIAMETER x NAIL LENGTH x HEAD DIAMETER.
10. FOR SDWS LENGTH AT SILL FASTENING PROVIDE 1 3/4" PENETRATION INTO TOP PLATES OF WALL BELOW OR INTO TOP OF RIMS/BLOCKING BELOW.
11. AT DOUBLE RIM/BLOCKING, CLIPS SHOWN ARE REQUIRED ON EACH RIM. PROVIDE A35 WHERE OVER WALLS, AND LS50 WHERE MEMBER IS FLUSH WITH FACE OF WALL OR SHEATHING. A35'S REQUIRE 0.131" x 1 1/2" NAILS, LS50'S REQUIRE 0.148" x 3" NAILS.

TYPICAL SHEAR WALL TAG

(X) SYMBOL INDICATES SHEAR WALL DOES NOT OCCUR AT LEVEL

BEARING WALL SCHEDULE

LEVEL	FLOOR TO FLOOR HEIGHT	PARTY WALLS (13'-6" TRIB)	INTERIOR UNIT (12'-6" TRIB)	INTERIOR UNIT (15'-6" TRIB)	CORRIDOR	EXTERIOR
5	9'-2"	2x6 AT 16"oc	2x6 OR 2x4 16"oc	2x6 OR 2x4 16"oc	2x6 AT 16"oc	2x8 AT 16"oc
4	10'-4"	2x6 AT 16"oc	2x6 OR (2) 2x4 16"oc	2x6 OR (2) 2x4 16"oc	2x6 AT 16"oc	2x8 AT 16"oc
3	10'-4"	2x6 AT 16"oc	2x6 OR (3) 2x4 16"oc	2x6 OR (3) 2x4 16"oc	(2) 2x6 AT 16"oc	2x8 AT 16"oc
2	10'-4"	(2) 2x6 AT 16"oc	2x6 OR (3) 2x4 16"oc	2x6 OR (4) 2x4 16"oc	(2) 2x6 AT 16"oc	2x8 AT 16"oc

NOTES:
-WALL STUDS AND PLATES SHALL BE DF-L NO. 2 UNLESS NOTED OTHERWISE
-ALL PLATES SHALL BE MC15 PRIOR TO SHEET ROCK AND PLUMBING INSTALL

CONTINUOUS TIE DOWN SYSTEM SCHEDULE

LEVEL	TIE DOWN SYMBOL									
	1		2		3		4		5	
	T	POST	T	POST	T	POST	T	POST	T	POST
5	5k	(4) 2x6	5k	(4) 2x6	5k	(4) 2x6	8k	(4) 2x6	5k	(6) 2x4
4	12k	(6) 2x6	12k	(6) 2x6	8k	(6) 2x6	17k	(6) 2x6	12k	(8) 2x4
3	24k	(6) 2x6	18k	(6) 2x6	12k	(6) 2x6	32k	(6) 2x6	18k	(8) 2x4
2	36k	(6) 2x6	28k	(6) 2x6	20k	(6) 2x6	48k	(6) 2x6	28k	(2) 4x6
BASE ANCHORAGE AT CONCRETE										
TIE DOWN ANCHOR	1" A449 FY MIN = 92 KSI		7/8" A449 FY MIN = 92 KSI		1 1/8" F1554 GR 36		1 1/4" A449 FY MIN = 92 KSI		7/8" A449 FY MIN = 92 KSI	
ANCHOR MINIMUM 13" FROM SLAB EDGE	5 / S450		5 / S450		4 / S450		10 / S450		5 / S450	
ANCHOR 42" OR MORE FROM SLAB EDGE	2 / S450		2 / S450		9 / S450		3 / S450		2 / S450	

NOTES:
1. SEE PLANS FOR TIE DOWN LOCATIONS.
2. T INDICATES TENSION LOAD (ASD) IN KIPS AT EACH TIE DOWN ROD.
3. SEE GENERAL STRUCTURAL NOTES FOR ALL TIE DOWN SYSTEM DESIGNER RESPONSIBILITIES.
4. COMPRESSION POST STUDS TO BE FULL WIDTH OF WALL AT STAGGERED STUD DEMISING WALLS.
5. COMPRESSION POST LISTED INDICATES TOTAL NUMBER OF STUDS REQUIRED AT EACH HOLDOWN.

INTERIOR BEARING WALL KING AND TRIMMER STUD SCHEDULE

LEVEL	STUD SIZE	FLOOR JOISTS PERPENDICULAR					
		OPENING WIDTH					
		UP TO 4'-3"		4'-4" TO 6'-3"		6'-3" TO 8'-3"	
		LOW	FLUSH	LOW	FLUSH	LOW	FLUSH
5	2x4	1K/1T	2K	1K/1T	2K	1K/1T	2K
	2x6	1K/1T	2K	1K/1T	2K	1K/1T	2K
4	2x4	2K/1T	3K	2K/1T	3K	2K/2T	4K
	2x6	1K/1T	2K	1K/1T	2K	2K/2T	3K
3	2x4	2K/2T	4K	2K/2T	4K	3K/2T	5K
	2x6	1K/1T	2K	2K/1T	3K	3K/2T	4K
2	2x4	3K/2T	5K	3K/2T	5K	4K/2T	6K
	2x6	2K/1T	3K	2K/2T	4K	3K/2T	5K

NOTE:
-WHERE ROOF TRUSSES ARE PERPENDICULAR AND FLOOR JOISTS ARE PARALLEL PROVIDE NUMBER OF KING AND TRIMMER STUDS PER FLOOR JOIST PARALLEL CONDITION

EXTERIOR BEARING WALL KING AND TRIMMER STUD SCHEDULE

LEVEL	FLOOR JOISTS PERPENDICULAR		
	OPENING WIDTH		
	4'-3" OR LESS	6'-3" OR LESS	8'-3" OR LESS
5	1K/1T	1K/1T	1K/1T
4	1K/1T	1K/1T	1K/1T
3	1K/1T	1K/2T	1K/2T
2	1K/1T	2K/2T	2K/2T

INTERIOR WALL HEADER SCHEDULE

FLOOR JOISTS PERPENDICULAR			
OPENING WIDTH	4x HEADER	6x HEADER	STUDS
UP TO 4'-3"	4x8	6x8	SEE SCHEDULE
4'-3" TO 6'-3"	4x10	6x10	SEE SCHEDULE
6'-3" OR MORE	SEE PLAN	SEE PLAN	SEE SCHEDULE
FLOOR JOISTS PARALLEL			
OPENING WIDTH	4x HEADER	6x HEADER	STUDS
UP TO 4'-3"	(2) 2x6	(2) 2x6	1K/1T
4'-3" TO 6'-3"	(2) 2x6	(2) 2x6	1K/1T
6'-6" OR MORE	(2) 2x6	(2) 2x6	2K/2T

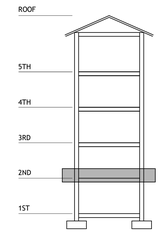
NOTE:
-SEE BUILT UP HEADER DETAIL FOR THE REQUIRED ASSEMBLY WHERE 2x SAWN HEADERS ARE CALLED OUT WITHIN THE TABLES ABOVE

EXTERIOR WALL HEADER SCHEDULE

FLOOR JOISTS PERPENDICULAR			
OPENING WIDTH	HEADER	SILL	STUDS
UP TO 4'-3"	6x8	(1) 2x	SEE SCHEDULE
4'-3" TO 6'-3"	6x10	(1) 2x	SEE SCHEDULE
8'-3" MAXIMUM	5 1/2 x 12 GL	(2) 2x	SEE SCHEDULE
FLOOR JOISTS PARALLEL			
OPENING WIDTH	HEADER	SILL	STUDS
UP TO 4'-3"	(2) 2x6	(1) 2x	1K/1T
4'-3" TO 6'-3"	(3) 2x6	(1) 2x	2K/1T
8'-3" MAXIMUM	6x10	(2) 2x	2K/2T

2ND FLOOR FRAMING NOTES:

1. SEE TYPICAL WOOD FRAMING DETAIL SHEET FOR TYPICAL DETAILS.
2. -/-/-/-/1T — DENOTES SHEAR WALL. SEE SHEAR WALL SCHEDULE FOR REQUIREMENTS
3. DENOTES BEARING WALL OR COLUMN BELOW, IN ADDITION EXTERIOR AND CORRDIOR WALLS ARE ALL BEARING, SEE WALL SCHEDULE FOR WALL SIZE AND SPACING.
4. OTHER TRADES TO DESIGN THEIR SYSTEMS TO ACCOMMODATE 3/8" WOOD SHRINKAGE PER FLOOR.
5. SILL PLATES, TOP PLATES AND BEAMS SHALL HAVE MC15 MAXIMUM WHEN INSTALLED. WALL STUDS AND COLUMNS TO HAVE MC19 MAXIMUM WHEN INSTALLED.
6. DENOTES 2x STUDS. GROUPS OF MORE THAN THREE STUDS WILL BE CALLED OUT INDIVIDUALLY FOR CLARITY. STUDS AT WALL INTERSECTIONS AND CORNERS AT DISCRETION OF CONTRACTOR, MAINTAIN MINIMUM STUD SPACING. DO NOT NOTCH STUDS AT ANCHOR BOLT CONFLICTS. NAIL MULTIPLE STUDS TOGETHER WITH 0.131" x 3" AT 12"oc STAGGERED. FOR STUD SPACING AT BEARING WALLS, SEE BEARING WALL SCHEDULE.
7. ALL WOOD IN CONTACT WITH CONCRETE AND NOT EXPOSED TO WETTING SHALL BE BORATE TREATED. GALVANIZING OF BOLTS AND FASTENERS NOT REQUIRED AT BORATE TREATED WOOD. PROVIDE SILL GASKETS BETWEEN SILL AND CONCRETE.
8. SEE 4 / S520 FOR BLOCK OUTS AT ELECTRICAL PANELS AND FIRE EXTINGUISHER CABINETS.
9. #K/#T — DENOTES NUMBER OF KING AND TRIMMER STUDS AT NON-TYPICAL BUILT UP COLUMNS. AT TYPICAL LOCATIONS WITHOUT A TAG SEE HEADER AND KING/TRIMMER SCHEDULE.
10. COLUMNS ANNOTATED ORIGINATE AT THIS LEVEL, TYPICAL



VIEW RANGE OF SHEET

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

STONEWOOD
STRUCTURAL ENGINEERS
2001 NW 19th Ave STE 103A
Portland, OR 97209
360.216.1704
www.stonewoodstructural.com

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW PUYALLUP, WA 98371

PROJECT NO.: 25-063
DRAWN: AAS
DATE: 20 MARCH 2026 BUILDING PERMIT SET
REVISION: DESCRIPTION:

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BUILDING PERMIT SET

SHEET TITLE:
LEVEL 2 FRAMING PLAN

SHEET NO.:
S202c

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FRAMING NOTES:

1. SEE TYPICAL WOOD FRAMING DETAIL SHEET FOR TYPICAL DETAILS.
2. DENOTES SHEAR WALL BELOW, SEE LEVEL 2 FRAMING PLAN FOR TYPE AND SHEAR WALL SCHEDULE FOR REQUIREMENTS.
3. DENOTES BEARING WALL OR COLUMN BELOW. IN ADDITION EXTERIOR AND CORRIDOR WALLS ARE ALL BEARING. SEE WALL SCHEDULE FOR WALL SIZE AND SPACING.
4. OTHER TRADES TO DESIGN THEIR SYSTEMS TO ACCOMMODATE 3/8" WOOD SHRINKAGE PER FLOOR.
5. SEE S502 FOR ACCEPTABLE HOLE SIZE/LOCATION FOR FLOOR JOISTS AND BEAMS.
6. PLYWOOD OR OSB WITH OVER DRIVEN FASTENERS MAY BE REJECTED AND HAVE TO BE REPLACED. NO MORE THAN 20% OF PERIMETER FASTENERS CAN BE OVERDRIVEN BY NO MORE THAN 1/8"
7. SILL PLATES, TOP PLATES AND BEAMS SHALL HAVE MC15 MAXIMUM WHEN INSTALLED. WALL STUDS AND COLUMNS TO HAVE MC19 MAXIMUM WHEN INSTALLED.
8. TYPICAL FLOOR JOISTS ARE 2x12 AT 16"oc UNLESS NOTED OTHERWISE.
9. DENOTES HANGER, SEE HANGER SCHEDULE FOR TYPICAL HANGERS UNLESS NOTED ON PLAN. FIRE PROTECTION AT XHR BEAMS PER ARCHITECT.
10. ALL WOOD IN CONTACT WITH CONCRETE AND NOT EXPOSED TO WETTING SHALL BE BORATE TREATED. GALVANIZING OF BOLTS AND FASTENERS NOT REQUIRED AT BORATE TREATED WOOD. PROVIDE SILL GASKETS BETWEEN SILL AND CONCRETE.
11. SEE 4/ S520 FOR BLOCK OUTS AT ELECTRICAL PANELS AND FIRE EXTINGUISHER CABINETS.
12. DIAPHRAGM IS UNBLOCKED UNLESS NOTED OTHERWISE.
13. DENOTES SIMPSON COILED STRAP OF TYPE INDICATED ON PLAN, USE 0.148" x 3" NAILS IN EVERY OTHER STRAP HOLE FOR FLOOR AND WALL SHEATHING, FOR TOTAL LENGTH SHOWN ON PLAN UNLESS NOTED OTHERWISE. PROVIDE 2x4 FLAT BLOCKING UNDER STRAP AS INDICATED ON PLAN.
14. #K/#T — DENOTES NUMBER OF KING AND TRIMMER STUDS AT NON-TYPICAL BUILT UP COLUMNS. AT LOCATIONS WITHOUT A TAG PROVIDE KINGS AND TRIMMERS PER OPENING SCHEDULE.
15. INDICATES ZONE AT ENDS OF SHEAR WALLS FOR COMPRESSION POST AND HOLDOWNS PER PLAN AND TABLE. THIS ZONE IS APPROXIMATELY 12" AT 6x WALLS, NO PLUMBING, MECHANICAL OR ELECTRICAL COMPONENTS SHALL RUN HORIZONTALLY OR VERTICALLY THROUGH THIS ZONE.
16. PF(X) — DENOTES PRIMARY FRAME MEMBERS THAT REQUIRE (X) HOURS OF FIRE PROTECTION. PRIMARY FRAME MEMBERS REQUIRE INDIVIDUAL DRYWALL ENCASEMENT, SEE ARCHITECT AND STRUCTURAL FOR MORE INFORMATION.
17. FWH — INDICATES FIRE WALL HANGER, SEE SCHEDULE FOR REQUIREMENTS.
18. SILL PLATES, TOP PLATES AND BEAMS SHALL HAVE MC15 MAXIMUM WHEN INSTALLED. WALL STUDS AND COLUMNS TO HAVE MC19 MAXIMUM WHEN INSTALLED.
19. CHAR (X) — DENOTES WOOD MEMBERS THAT HAVE BEEN DESIGNATED FOR X HOURS OF FIRE PROTECTION USING THE AWC FIRE DESIGN SPECIFICATION. ADDITIONAL TENSION LAMINATIONS TO BE ADDED TO XHR GLULAM BEAMS PER DETAILS 5 / S505 AND 6 / S505

BEARING WALL SCHEDULE

LEVEL	FLOOR TO FLOOR HEIGHT	PARTY WALLS (13'-6" TRIB)	INTERIOR UNIT (12'-6" TRIB)	INTERIOR UNIT (15'-6" TRIB)	CORRIDOR	EXTERIOR
5	9'-2"	2x6 AT 16"oc	2x6 OR 2x4 16"oc	2x6 OR 2x4 16"oc	2x6 AT 16"oc	2x8 AT 16"oc
4	10'-4"	2x6 AT 16"oc	2x6 OR (2) 2x4 16"oc	2x6 OR (2) 2x4 16"oc	2x6 AT 16"oc	2x8 AT 16"oc
3	10'-4"	2x6 AT 16"oc	2x6 OR (3) 2x4 16"oc	2x6 OR (3) 2x4 16"oc	(2) 2x6 AT 16"oc	2x8 AT 16"oc
2	10'-4"	(2) 2x6 AT 16"oc	2x6 OR (3) 2x4 16"oc	2x6 OR (4) 2x4 16"oc	(2) 2x6 AT 16"oc	2x8 AT 16"oc

NOTES:
-WALL STUDS AND PLATES SHALL BE DF-L NO. 2 UNLESS NOTED OTHERWISE
-ALL PLATES SHALL BE MC15 PRIOR TO SHEET ROCK AND PLUMBING INSTALL

TYPICAL JOIST/BEAM HANGER SCHEDULE

JOIST	HANGER TYPICAL	HANGER OVER (2) LAYERS GYPSUM BOARD
2x10	JB210A	DHUTF 1.81/9.5
2x12	JB212A	DHUTF 2.06/11.88
3 1/2" GL	SIMPSON LBV	DHUTF 3.56/
5 1/2" GL	SIMPSON HW	
DIMENSIONAL LUMBER	SIMPSON HUSTF	

NOTE:
1. JOISTS ARE LAID OUT FROM CENTER LINE OF CORRIDORS

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

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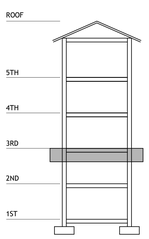
PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

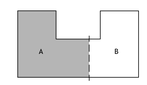
ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25-063
DRAWN: AAS
DATE: 20 MARCH 2026
BUILDING PERMIT SET
REVISION: DESCRIPTION:

SEE SHEET S130 FOR SHEET NOTES AND SCHEDULES



VIEW RANGE OF SHEET



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BUILDING PERMIT SET

SHEET TITLE:
LEVEL 3 FRAMING PLAN SECTOR A

SHEET NO.:
S203A

1 LEVEL 3 FLOOR FRAMING PLAN - SECTOR A
1/4" = 1'-0"

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BEARING WALL SCHEDULE

LEVEL	FLOOR TO FLOOR HEIGHT	PARTY WALLS (13'-6" TRIB)	INTERIOR UNIT (12'-6" TRIB)	INTERIOR UNIT (15'-6" TRIB)	CORRIDOR	EXTERIOR
5	9'-2"	2x6 AT 16"oc	2x6 OR 2x4 16"oc	2x6 OR 2x4 16"oc	2x6 AT 16"oc	2x8 AT 16"oc
4	10'-4"	2x6 AT 16"oc	2x6 OR (2) 2x4 16"oc	2x6 OR (2) 2x4 16"oc	2x6 AT 16"oc	2x8 AT 16"oc
3	10'-4"	2x6 AT 16"oc	2x6 OR (3) 2x4 16"oc	2x6 OR (3) 2x4 16"oc	(2) 2x6 AT 16"oc	2x8 AT 16"oc
2	10'-4"	(2) 2x6 AT 16"oc	2x6 OR (3) 2x4 16"oc	2x6 OR (4) 2x4 16"oc	(2) 2x6 AT 16"oc	2x8 AT 16"oc

NOTES:
-WALL STUDS AND PLATES SHALL BE DF-L NO. 2 UNLESS NOTED OTHERWISE
-ALL PLATES SHALL BE MC15 PRIOR TO SHEET ROCK AND PLUMBING INSTALL

INTERIOR BEARING WALL KING AND TRIMMER STUD SCHEDULE

FLOOR JOISTS PERPENDICULAR

LEVEL	STUD SIZE	OPENING WIDTH					
		UP TO 4'-3"		4'-4" TO 6'-3"		6'-3" TO 8'-3"	
		LOW	FLUSH	LOW	FLUSH	LOW	FLUSH
5	2x4	1K/1T	2K	1K/1T	2K	1K/1T	2K
	2x6	1K/1T	2K	1K/1T	2K	1K/1T	2K
4	2x4	2K/1T	3K	2K/1T	3K	2K/2T	4K
	2x6	1K/1T	2K	1K/1T	2K	2K/2T	3K
3	2x4	2K/2T	4K	2K/2T	4K	3K/2T	5K
	2x6	1K/1T	2K	2K/1T	3K	3K/2T	4K
2	2x4	3K/2T	5K	3K/2T	5K	4K/2T	6K
	2x6	2K/1T	3K	2K/2T	4K	3K/2T	5K

NOTE:
-WHERE ROOF TRUSSES ARE PERPENDICULAR AND FLOOR JOISTS ARE PARALLEL PROVIDE NUMBER OF KING AND TRIMMER STUDS PER FLOOR JOIST PARALLEL CONDITION

EXTERIOR BEARING WALL KING AND TRIMMER STUD SCHEDULE

FLOOR JOISTS PERPENDICULAR

LEVEL	OPENING WIDTH		
	4'-3" OR LESS	6'-3" OR LESS	8'-3" OR LESS
5	1K/1T	1K/1T	1K/1T
4	1K/1T	1K/1T	1K/1T
3	1K/1T	1K/2T	1K/2T
2	1K/1T	2K/2T	2K/2T

INTERIOR WALL HEADER SCHEDULE

FLOOR JOISTS PERPENDICULAR

OPENING WIDTH	4x HEADER	6x HEADER	STUDS
UP TO 4'-3"	4x8	6x8	SEE SCHEDULE
4'-3" TO 6'-3"	4x10	6x10	SEE SCHEDULE
6'-3" OR MORE	SEE PLAN	SEE PLAN	SEE SCHEDULE

FLOOR JOISTS PARALLEL

OPENING WIDTH	4x HEADER	6x HEADER	STUDS
UP TO 4'-3"	(2) 2x6	(2) 2x6	1K/1T
4'-3" TO 6'-3"	(2) 2x6	(2) 2x6	1K/1T
6'-6" OR MORE	(2) 2x6	(2) 2x6	2K/2T

NOTE:
-SEE BUILT UP HEADER DETAIL FOR THE REQUIRED ASSEMBLY WHERE 2x SAWN HEADERS ARE CALLED OUT WITHIN THE TABLES ABOVE

EXTERIOR WALL HEADER SCHEDULE

FLOOR JOISTS PERPENDICULAR

OPENING WIDTH	HEADER	SILL	STUDS
UP TO 4'-3"	6x8	(1) 2x	SEE SCHEDULE
4'-3" TO 6'-3"	6x10	(1) 2x	SEE SCHEDULE
8'-3" MAXIMUM	5 1/2 x 12 GL	(2) 2x	SEE SCHEDULE

FLOOR JOISTS PARALLEL

OPENING WIDTH	HEADER	SILL	STUDS
UP TO 4'-3"	(2) 2x6	(1) 2x	1K/1T
4'-3" TO 6'-3"	(3) 2x6	(1) 2x	2K/1T
8'-3" MAXIMUM	6x10	(2) 2x	2K/2T

NOTE:
-SEE BUILT UP HEADER DETAIL FOR THE REQUIRED ASSEMBLY WHERE 2x SAWN HEADERS ARE CALLED OUT WITHIN THE TABLES ABOVE

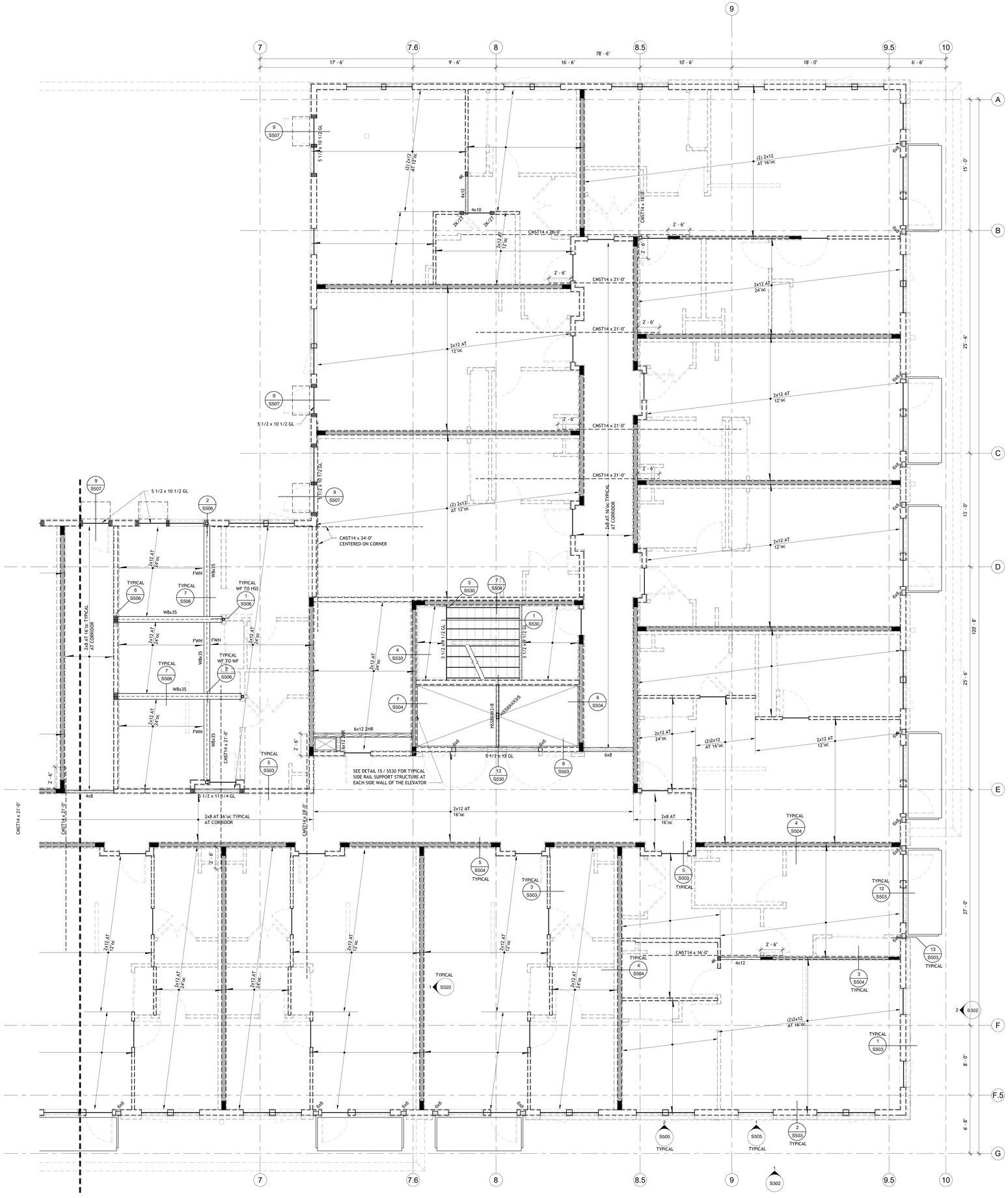
TYPICAL JOIST/BEAM HANGER SCHEDULE

JOIST	HANGER TYPICAL	HANGER OVER (2) LAYERS GYPSUM BOARD
2x10	JB210A	DHUTF 1.81/9.5
2x12	JB212A	DHUTF 2.06/11.88
3 1/2" GL	SIMPSON LBV	DHUTF 3.56/
5 1/2" GL	SIMPSON HW	
DIMENSIONAL LUMBER	SIMPSON HUSTF	

NOTE:
1. JOISTS ARE LAID OUT FROM CENTER LINE OF CORRIDORS

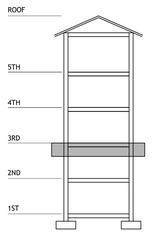
FRAMING NOTES:

1. SEE TYPICAL WOOD FRAMING DETAIL SHEET FOR TYPICAL DETAILS.
2. DENOTES SHEAR WALL BELOW, SEE LEVEL 2 FRAMING PLAN FOR TYPE AND SHEAR WALL SCHEDULE FOR REQUIREMENTS.
3. DENOTES BEARING WALL OR COLUMN BELOW, IN ADDITION EXTERIOR AND CORRIDOR WALLS ARE ALL BEARING, SEE WALL SCHEDULE FOR WALL SIZE AND SPACING.
4. OTHER TRADES TO DESIGN THEIR SYSTEMS TO ACCOMMODATE 3/8" WOOD SHRINKAGE PER FLOOR.
5. SEE S502 FOR ACCEPTABLE HOLE SIZE/LOCATION FOR FLOOR JOISTS AND BEAMS.
6. PLYWOOD OR OSB WITH OVER DRIVEN FASTENERS MAY BE REJECTED AND HAVE TO BE REPLACED. NO MORE THAN 20% OF PERIMETER FASTENERS CAN BE OVERDRIVEN BY NO MORE THAN 1/8"
7. SILL PLATES, TOP PLATES AND BEAMS SHALL HAVE MC15 MAXIMUM WHEN INSTALLED. WALL STUDS AND COLUMNS TO HAVE MC19 MAXIMUM WHEN INSTALLED.
8. TYPICAL FLOOR JOISTS ARE 2x12 AT 16"oc UNLESS NOTED OTHERWISE.
9. DENOTES HANGER, SEE HANGER SCHEDULE FOR TYPICAL HANGERS UNLESS NOTED ON PLAN. FIRE PROTECTION AT XHR BEAMS PER ARCHITECT.
10. ALL WOOD IN CONTACT WITH CONCRETE AND NOT EXPOSED TO WETTING SHALL BE BORATE TREATED. GALVANIZING OF BOLTS AND FASTENERS NOT REQUIRED AT BORATE TREATED WOOD. PROVIDE SILL GASKETS BETWEEN SILL AND CONCRETE.
11. SEE 4 / S520 FOR BLOCK OUTS AT ELECTRICAL PANELS AND FIRE EXTINGUISHER CABINETS.
12. DIAPHRAGM IS UNBLOCKED UNLESS NOTED OTHERWISE.
13. DENOTES SIMPSON COILED STRAP OF TYPE INDICATED ON PLAN, USE 0.148" x 3" NAILS IN EVERY OTHER STRAP HOLE FOR FLOOR AND WALL SHEATHING, FOR TOTAL LENGTH SHOWN ON PLAN UNLESS NOTED OTHERWISE. PROVIDE 2x4 FLAT BLOCKING UNDER STRAP AS INDICATED ON PLAN.
14. #K/#T — DENOTES NUMBER OF KING AND TRIMMER STUDS AT NON-TYPICAL BUILT UP COLUMNS. AT LOCATIONS WITHOUT A TAG PROVIDE KINGS AND TRIMMERS PER OPENING SCHEDULE.
15. INDICATES ZONE AT ENDS OF SHEAR WALLS FOR COMPRESSION POST AND HOLDOWNS PER PLAN AND TABLE. THIS ZONE IS APPROXIMATELY 12" AT 6x WALLS, NO PLUMBING, MECHANICAL OR ELECTRICAL COMPONENTS SHALL RUN HORIZONTALLY OR VERTICALLY THROUGH THIS ZONE.
16. PF(X) — DENOTES PRIMARY FRAME MEMBERS THAT REQUIRE (X) HOURS OF FIRE PROTECTION. PRIMARY FRAME MEMBERS REQUIRE INDIVIDUAL DRYWALL ENCASEMENT, SEE ARCHITECT AND STRUCTURAL FOR MORE INFORMATION.
17. FWH — INDICATES FIRE WALL HANGER, SEE SCHEDULE FOR REQUIREMENTS.
18. SILL PLATES, TOP PLATES AND BEAMS SHALL HAVE MC15 MAXIMUM WHEN INSTALLED. WALL STUDS AND COLUMNS TO HAVE MC19 MAXIMUM WHEN INSTALLED.
19. CHAR (X) — DENOTES WOOD MEMBERS THAT HAVE BEEN DESIGNATED FOR X HOURS OF FIRE PROTECTION USING THE AWC FIRE DESIGN SPECIFICATION. ADDITIONAL TENSION LAMINATIONS TO BE ADDED TO XHR GLULAM BEAMS PER DETAILS 5 / S505 AND 6 / S505

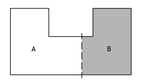


1 LEVEL 3 FLOOR FRAMING PLAN - SECTOR B
1/4" = 1'-0"

SEE SHEET S130 FOR SHEET NOTES AND SCHEDULES



VIEW RANGE OF SHEET



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PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW PUYALLUP, WA 98371

PROJECT NO.: 25-063
DRAWN: AAS
DATE: 20 MARCH 2026 BUILDING PERMIT SET
REVISION: DESCRIPTION:

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BUILDING PERMIT SET

SHEET TITLE:
LEVEL 3 FRAMING PLAN SECTOR B

SHEET NO.:
S203B

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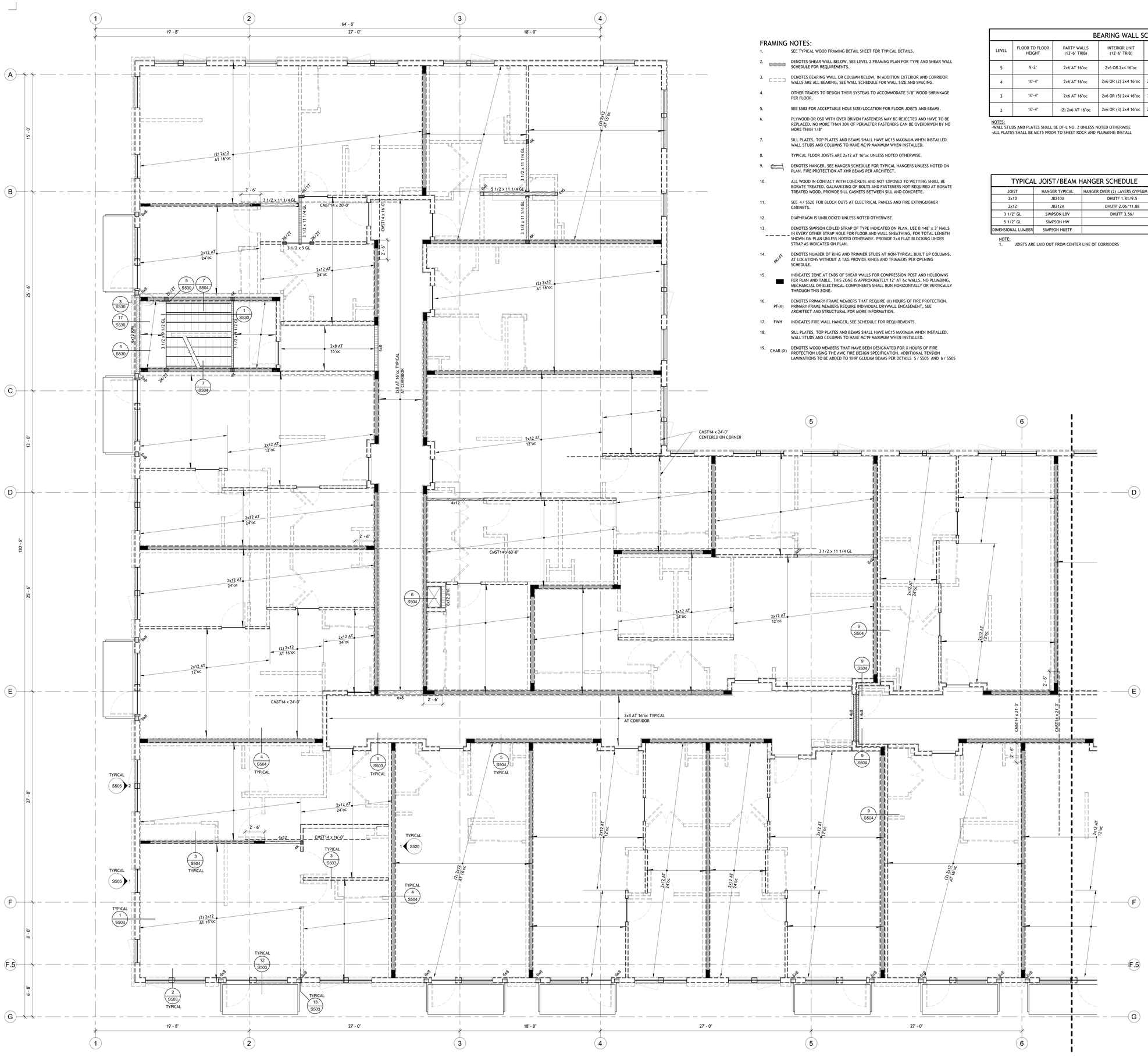
1
2
3
4
5
6
A
B
C
D
E
F
F.5
G
64' - 8"
19' - 8"
27' - 0"
18' - 0"
15' - 0"
25' - 6"
13' - 0"
12'0" - 8"
25' - 6"
27' - 0"
8' - 0"
6' - 8"
(2) 2x12 AT 16"oc
2x12 AT 24"oc
2x12 AT 12"oc
2x8 AT 16"oc
2x8 AT 16"oc TYPICAL AT CORRIDOR
CMST14 x 20'-0"
CMST14 x 16'-0"
CMST14 x 24'-0"
CMST14 x 60'-0"
CMST14 x 16'-0"
CMST14 x 24'-0" CENTERED ON CORNER
CMST14 x 21'-0"
3 1/2 x 11 1/4 GL
3 1/2 x 9 GL
5 1/2 x 11 1/4 GL
4x12
6x12 2HR
6x8
2'-6"
2'-6"
2'-6"

BEARING WALL SCHEDULE						
LEVEL	FLOOR TO FLOOR HEIGHT	PARTY WALLS (13'-6" TRIB)	INTERIOR UNIT (12'-6" TRIB)	INTERIOR UNIT (15'-6" TRIB)	CORRIDOR	EXTERIOR
5	9'-2"	2x6 AT 16"oc	2x6 OR 2x4 16"oc	2x6 OR 2x4 16"oc	2x6 AT 16"oc	2x8 AT 16"oc
4	10'-4"	2x6 AT 16"oc	2x6 OR (2) 2x4 16"oc	2x6 OR (2) 2x4 16"oc	2x6 AT 16"oc	2x8 AT 16"oc
3	10'-4"	2x6 AT 16"oc	2x6 OR (3) 2x4 16"oc	2x6 OR (3) 2x4 16"oc	(2) 2x6 AT 16"oc	2x8 AT 16"oc
2	10'-4"	(2) 2x6 AT 16"oc	2x6 OR (3) 2x4 16"oc	2x6 OR (4) 2x4 16"oc	(2) 2x6 AT 16"oc	2x8 AT 16"oc

NOTES:
-WALL STUDS AND PLATES SHALL BE DF-L NO. 2 UNLESS NOTED OTHERWISE
-ALL PLATES SHALL BE MC15 PRIOR TO SHEET ROCK AND PLUMBING INSTALL

INTERIOR BEARING WALL KING AND TRIMMER STUD SCHEDULE							
FLOOR JOISTS PERPENDICULAR							
LEVEL	STUD SIZE	OPENING WIDTH					
		UP TO 4'-3"		4'-4" TO 6'-3"		6'-3" TO 8'-3"	
		LOW	FLUSH	LOW	FLUSH	LOW	FLUSH
5	2x4	1K/1T	2K	1K/1T	2K	1K/1T	2K
	2x6	1K/1T	2K	1K/1T	2K	1K/1T	2K
4	2x4	2K/1T	3K	2K/1T	3K	2K/2T	4K
	2x6	1K/1T	2K	1K/1T	2K	2K/2T	3K
3	2x4	2K/2T	4K	2K/2T	4K	3K/2T	5K
	2x6	1K/1T	2K	2K/1T	3K	3K/2T	4K
2	2x4	3K/2T	5K	3K/2T	5K	4K/2T	6K
	2x6	2K/1T	3K	2K/2T	4K	3K/2T	5K

NOTE:
-WHERE ROOF TRUSSES ARE PERPENDICULAR AND FLOOR JOISTS ARE PARALLEL PROVIDE NUMBER OF KING AND TRIMMER STUDS PER FLOOR JOIST PARALLEL CONDITION

EXTERIOR BEARING WALL KING AND TRIMMER STUD SCHEDULE			
FLOOR JOISTS PERPENDICULAR			
LEVEL	OPENING WIDTH		
	4'-3" OR LESS	6'-3" OR LESS	8'-3" OR LESS
5	1K/1T	1K/1T	1K/1T
4	1K/1T	1K/1T	1K/1T
3	1K/1T	1K/2T	1K/2T
2	1K/1T	2K/2T	2K/2T

INTERIOR WALL HEADER SCHEDULE			
FLOOR JOISTS PERPENDICULAR			
OPENING WIDTH	4x HEADER	6x HEADER	STUDS
UP TO 4'-3"	4x8	6x8	SEE SCHEDULE
4'-3" TO 6'-3"	4x10	6x10	SEE SCHEDULE
6'-3" OR MORE	SEE PLAN	SEE PLAN	SEE SCHEDULE
FLOOR JOISTS PARALLEL			
OPENING WIDTH	4x HEADER	6x HEADER	STUDS
UP TO 4'-3"	(2) 2x6	(2) 2x6	1K/1T
4'-3" TO 6'-3"	(2) 2x6	(2) 2x6	1K/1T
6'-6" OR MORE	(2) 2x6	(2) 2x6	2K/2T

NOTE:
-SEE BUILT UP HEADER DETAIL FOR THE REQUIRED ASSEMBLY WHERE 2x SAWN HEADERS ARE CALLED OUT WITHIN THE TABLES ABOVE

EXTERIOR WALL HEADER SCHEDULE			
FLOOR JOISTS PERPENDICULAR			
OPENING WIDTH	HEADER	SILL	STUDS
UP TO 4'-3"	6x8	(1) 2x	SEE SCHEDULE
4'-3" TO 6'-3"	6x10	(1) 2x	SEE SCHEDULE
8'-3" MAXIMUM	5 1/2 x 12 GL	(2) 2x	SEE SCHEDULE
FLOOR JOISTS PARALLEL			
OPENING WIDTH	HEADER	SILL	STUDS
UP TO 4'-3"	(2) 2x6	(1) 2x	1K/1T
4'-3" TO 6'-3"	(3) 2x6	(1) 2x	2K/1T
8'-3" MAXIMUM	6x10	(2) 2x	2K/2T

TYPICAL JOIST/BEAM HANGER SCHEDULE		
JOIST	HANGER TYPICAL	HANGER OVER (2) LAYERS GYPSUM BOARD
2x10	JB210A	DHUTF 1.81/9.5
2x12	JB212A	DHUTF 2.06/11.88
3 1/2" GL	SIMPSON LBV	DHUTF 3.56/
5 1/2" GL	SIMPSON HW	
DIMENSIONAL LUMBER	SIMPSON HUSTF	

NOTE:
1. JOISTS ARE LAID OUT FROM CENTER LINE OF CORRIDORS

FRAMING NOTES:

1. SEE TYPICAL WOOD FRAMING DETAIL SHEET FOR TYPICAL DETAILS.
2. DENOTES SHEAR WALL BELOW, SEE LEVEL 2 FRAMING PLAN FOR TYPE AND SHEAR WALL SCHEDULE FOR REQUIREMENTS.
3. DENOTES BEARING WALL OR COLUMN BELOW, IN ADDITION EXTERIOR AND CORRIDOR WALLS ARE ALL BEARING, SEE WALL SCHEDULE FOR WALL SIZE AND SPACING.
4. OTHER TRADES TO DESIGN THEIR SYSTEMS TO ACCOMMODATE 3/8" WOOD SHRINKAGE PER FLOOR.
5. SEE S502 FOR ACCEPTABLE HOLE SIZE/LOCATION FOR FLOOR JOISTS AND BEAMS.
6. PLYWOOD OR OSB WITH OVER DRIVEN FASTENERS MAY BE REJECTED AND HAVE TO BE REPLACED. NO MORE THAN 20% OF PERIMETER FASTENERS CAN BE OVERDRIVEN BY NO MORE THAN 1/8"
7. SILL PLATES, TOP PLATES AND BEAMS SHALL HAVE MC15 MAXIMUM WHEN INSTALLED. WALL STUDS AND COLUMNS TO HAVE MC19 MAXIMUM WHEN INSTALLED.
8. TYPICAL FLOOR JOISTS ARE 2x12 AT 16"oc UNLESS NOTED OTHERWISE.
9. DENOTES HANGER, SEE HANGER SCHEDULE FOR TYPICAL HANGERS UNLESS NOTED ON PLAN. FIRE PROTECTION AT XHR BEAMS PER ARCHITECT.
10. ALL WOOD IN CONTACT WITH CONCRETE AND NOT EXPOSED TO WETTING SHALL BE BORATE TREATED. GALVANIZING OF BOLTS AND FASTENERS NOT REQUIRED AT BORATE TREATED WOOD. PROVIDE SILL GASKETS BETWEEN SILL AND CONCRETE.
11. SEE 4 / S520 FOR BLOCK OUTS AT ELECTRICAL PANELS AND FIRE EXTINGUISHER CABINETS.
12. DIAPHRAGM IS UNBLOCKED UNLESS NOTED OTHERWISE.
13. DENOTES SIMPSON COILED STRAP OF TYPE INDICATED ON PLAN, USE 0.148" x 3" NAILS IN EVERY OTHER STRAP HOLE FOR FLOOR AND WALL SHEATHING, FOR TOTAL LENGTH SHOWN ON PLAN UNLESS NOTED OTHERWISE. PROVIDE 2x4 FLAT BLOCKING UNDER STRAP AS INDICATED ON PLAN.
14. #KI/XT — DENOTES NUMBER OF KING AND TRIMMER STUDS AT NON-TYPICAL BUILT UP COLUMNS. AT LOCATIONS WITHOUT A TAG PROVIDE KINGS AND TRIMMERS PER OPENING SCHEDULE.
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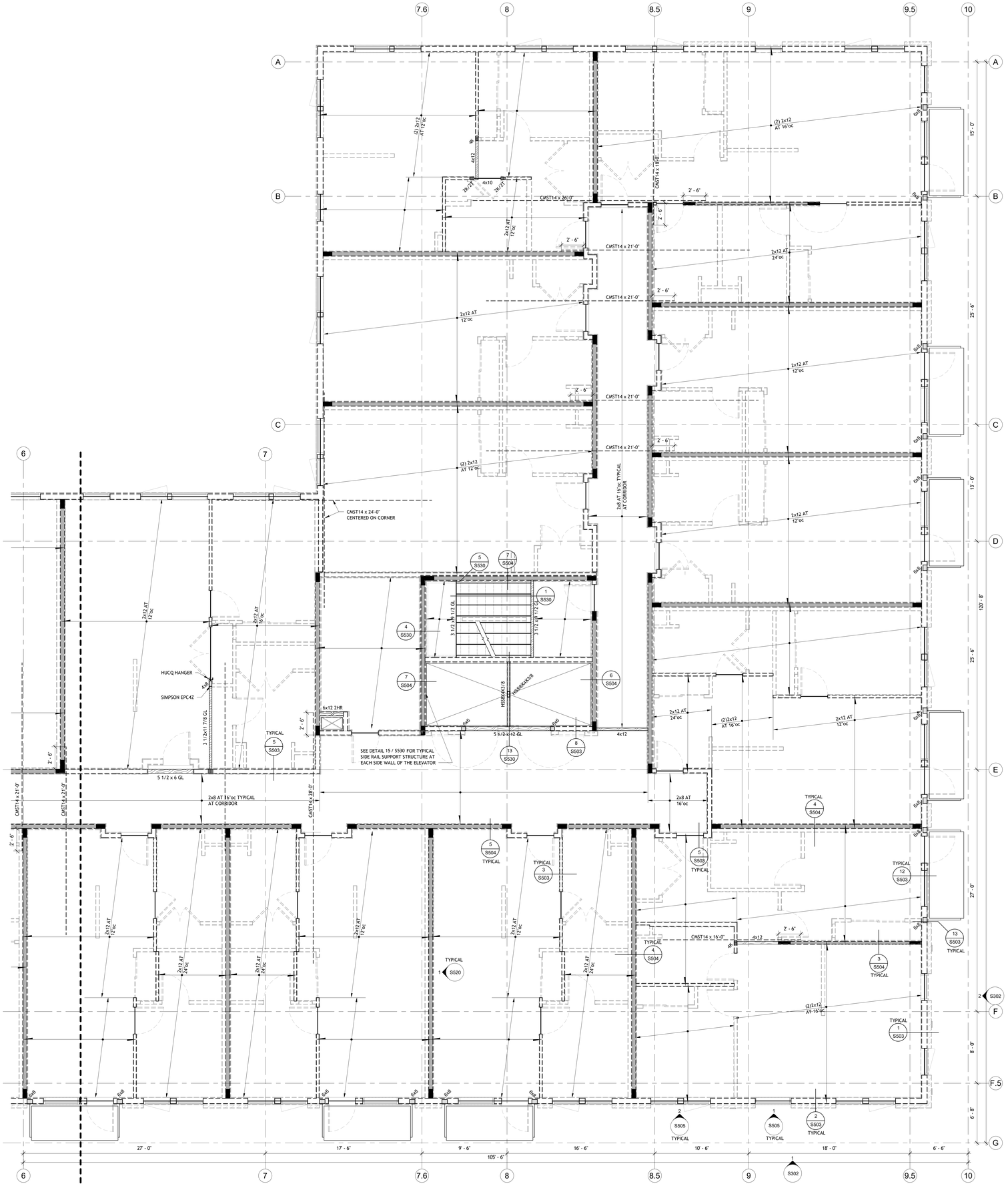
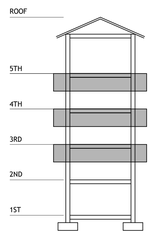


1 LEVELS 4 & 5 FLOOR FRAMING PLAN - SECTOR B
1/4" = 1'-0"

SEE SHEET S130 FOR SHEET NOTES AND SCHEDULES



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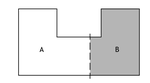

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PORTLAND OREGON 97209
503 444 2200

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STRUCTURAL ENGINEERS
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Portland, OR 97209
360.216.1704
www.stonewoodstructural.com

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW PUYALLUP, WA 98371

PROJECT NO.: 25-063
DRAWN: AAS
DATE: 20 MARCH 2026 BUILDING PERMIT SET
REVISION: DESCRIPTION:

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BUILDING PERMIT SET

SHEET TITLE:
LEVELS 4 & 5 FLOOR FRAMING PLAN SECTOR B

SHEET NO.:
S204B

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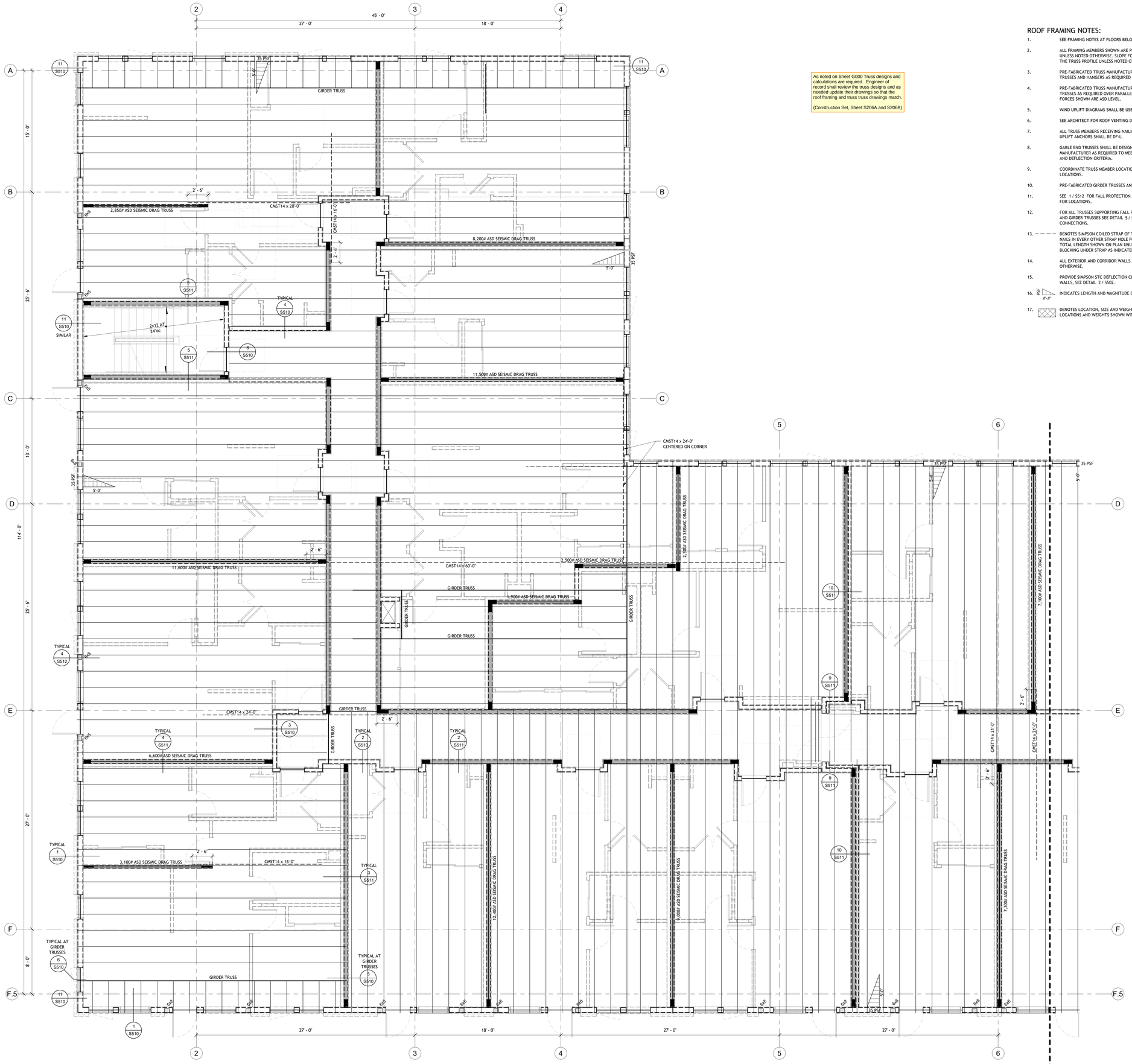

1 ROOF FRAMING PLAN
1/4" = 1'-0"

As noted on Sheet G000 Truss designs and calculations are required. Engineer of record shall review the truss designs and as needed update their drawings so that the roof framing and truss truss drawings match.

(Construction Set, Sheet S206A and S206B)

ROOF FRAMING NOTES:

1. SEE FRAMING NOTES AT FLOORS BELOW FOR OTHER INFORMATION.
2. ALL FRAMING MEMBERS SHOWN ARE PRE-FABRICATED TRUSSES AT 24'oc, UNLESS NOTED OTHERWISE. SLOPE FOR ROOF DRAINAGE SHALL BE BUILT INTO THE TRUSS PROFILE UNLESS NOTED OTHERWISE.
3. PRE-FABRICATED TRUSS MANUFACTURER TO PROVIDE GIRDER TRUSSES, HIP TRUSSES AND HANGERS AS REQUIRED FOR A COMPLETE LOAD BEARING SYSTEM.
4. PRE-FABRICATED TRUSS MANUFACTURER TO PROVIDE ADDITIONAL DRAG TRUSSES AS REQUIRED OVER PARALLEL SHEAR WALLS BELOW. DRAG TRUSS FORCES SHOWN ARE ASD LEVEL.
5. WIND UPLIFT DIAGRAMS SHALL BE USED FOR TRUSS DESIGN.
6. SEE ARCHITECT FOR ROOF VENTING DETAILS.
7. ALL TRUSS MEMBERS RECEIVING NAILING FROM SHEATHING, BLOCKING, OR UPLIFT ANCHORS SHALL BE DF-L.
8. GABLE END TRUSSES SHALL BE DESIGNED AND DETAILED BY THE TRUSS MANUFACTURER AS REQUIRED TO MEET CODE OUT OF PLANE WIND PRESSURE AND DEFLECTION CRITERIA.
9. COORDINATE TRUSS MEMBER LOCATIONS WITH MECHANICAL DUCT AND UNIT LOCATIONS.
10. PRE-FABRICATED GIRDER TRUSSES AND HIP TRUSSES SHALL BE (2) PLY MINIMUM.
11. SEE 1 / S512 FOR FALL PROTECTION ANCHORAGE BLOCKING, SEE ARCHITECT FOR LOCATIONS.
12. FOR ALL TRUSSES SUPPORTING FALL PROTECTION ANCHORS, DRAG TRUSSES, AND GIRDER TRUSSES SEE DETAIL 5 / S510 AND 6 / S510 FOR TRUSS UPLIFT CONNECTIONS.
13. DENOTES SIMPSON COILED STRAP OF TYPE INDICATED ON PLAN, USE 0.148" x 3" NAILS IN EVERY OTHER STRAP HOLE FOR FLOOR AND WALL SHEATHING, FOR TOTAL LENGTH SHOWN ON PLAN UNLESS NOTED OTHERWISE. PROVIDE 2x4 FLAT BLOCKING UNDER STRAP AS INDICATED ON PLAN.
14. ALL EXTERIOR AND CORRIDOR WALLS ARE BEARING WALLS UNLESS NOTED OTHERWISE.
15. PROVIDE SIMPSON STC DEFLECTION CLIP AT THE TOP OF ALL NON-BEARING WALLS, SEE DETAIL 2 / S502.
16. PSF 8'-8" INDICATES LENGTH AND MAGNITUDE OF DRIFTED SNOW.
17. DENOTES LOCATION, SIZE AND WEIGHT OF MECHANICAL UNITS. CONFIRM LOCATIONS AND WEIGHTS SHOWN WITH MECHANICAL PLANS.

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www.stonewoodstructural.com

ROOF
5TH
4TH
3RD
2ND
1ST
VIEW RANGE OF SHEET

A
B

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25-063
DRAWN: AAS
DATE: 20 MARCH 2026
BUILDING PERMIT SET
REVISION: DESCRIPTION:

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BUILDING PERMIT SET

SHEET TITLE:
ROOF FRAMING PLAN SECTOR A

SHEET NO.:
S206A

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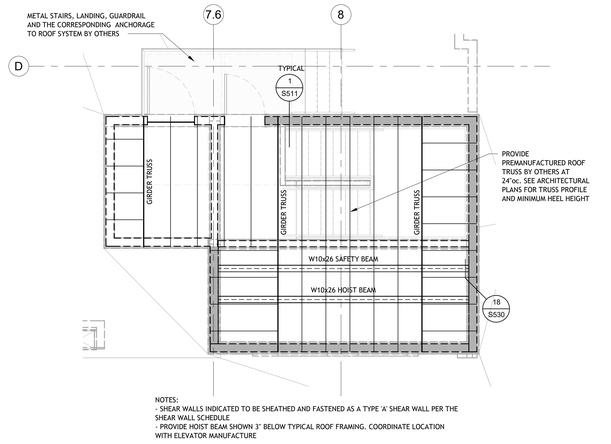

B ROOF STAIR/ELEVATOR OVERRUN
1/4" = 1'-0"

ROOF FRAMING NOTES:

1. SEE FRAMING NOTES AT FLOORS BELOW FOR OTHER INFORMATION.
2. ALL FRAMING MEMBERS SHOWN ARE PRE-FABRICATED TRUSSES AT 24'oc, UNLESS NOTED OTHERWISE. SLOPE FOR ROOF DRAINAGE SHALL BE BUILT INTO THE TRUSS PROFILE UNLESS NOTED OTHERWISE.
3. PRE-FABRICATED TRUSS MANUFACTURER TO PROVIDE GIRDER TRUSSES, HIP TRUSSES AND HANGERS AS REQUIRED FOR A COMPLETE LOAD BEARING SYSTEM.
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5. WIND UPLIFT DIAGRAMS SHALL BE USED FOR TRUSS DESIGN.
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7. ALL TRUSS MEMBERS RECEIVING NAILING FROM SHEATHING, BLOCKING, OR UPLIFT ANCHORS SHALL BE DF-L.
8. GABLE END TRUSSES SHALL BE DESIGNED AND DETAILED BY THE TRUSS MANUFACTURER AS REQUIRED TO MEET CODE OUT OF PLANE WIND PRESSURE AND DEFLECTION CRITERIA.
9. COORDINATE TRUSS MEMBER LOCATIONS WITH MECHANICAL DUCT AND UNIT LOCATIONS.
10. PRE-FABRICATED GIRDER TRUSSES AND HIP TRUSSES SHALL BE (2) PLY MINIMUM.
11. SEE 1 / S512 FOR FALL PROTECTION ANCHORAGE BLOCKING, SEE ARCHITECT FOR LOCATIONS.
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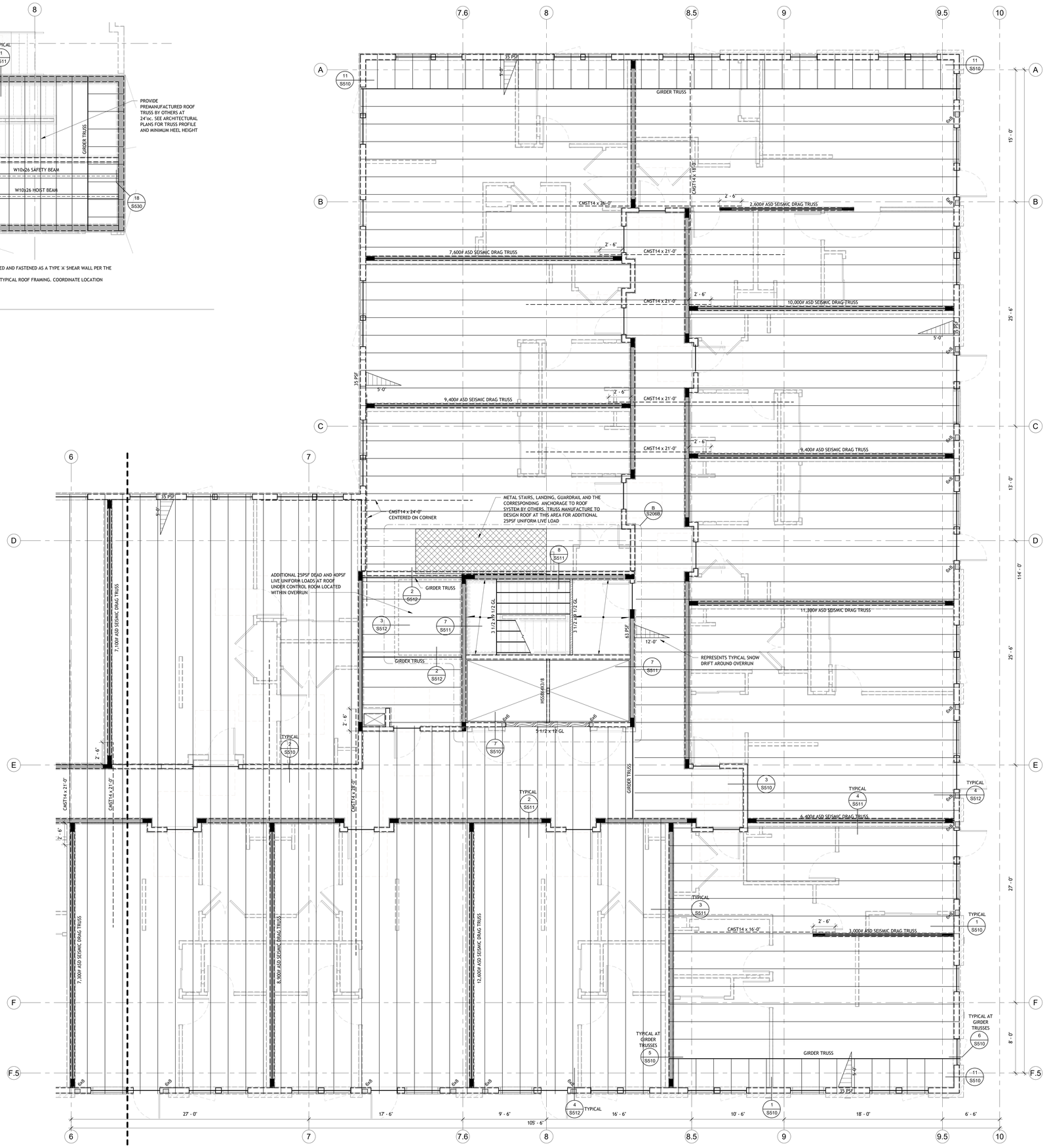
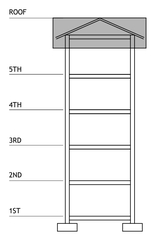
14. ALL EXTERIOR AND CORRIDOR WALLS ARE BEARING WALLS UNLESS NOTED OTHERWISE.
15. PROVIDE SIMPSON STC DEFLECTION CLIP AT THE TOP OF ALL NON-BEARING WALLS, SEE DETAIL 2 / S502.
16. PSF 4'-6" INDICATES LENGTH AND MAGNITUDE OF DRIFTED SNOW.
17. DENOTES LOCATION, SIZE AND WEIGHT OF MECHANICAL UNITS. CONFIRM LOCATIONS AND WEIGHTS SHOWN WITH MECHANICAL PLANS.

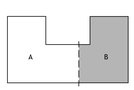
Truss Designs shall be provided with permit submittal, truss designs shall be reviewed by engineer of record and drawings and calculations shall be updated to match. (Construction Set, Sheet S206B)



A ROOF FRAMING PLAN
1/4" = 1'-0"



VIEW RANGE OF SHEET



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PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW PUYALLUP, WA 98371

PROJECT NO.: 25-063
DRAWN: AAS
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION: DESCRIPTION:

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BUILDING PERMIT SET

SHEET TITLE:
ROOF FRAMING PLAN SECTOR B

SHEET NO.:
S206B

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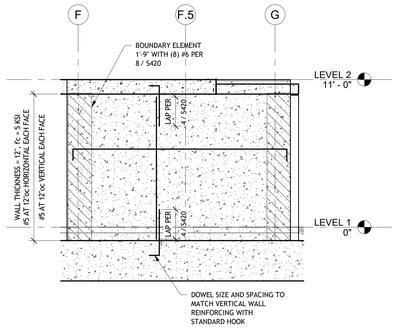
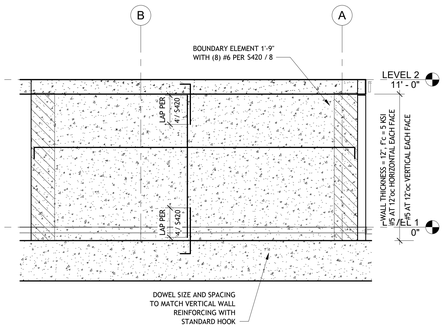


1 CONCRETE WALL ELEVATION
1/4" = 1'-0"



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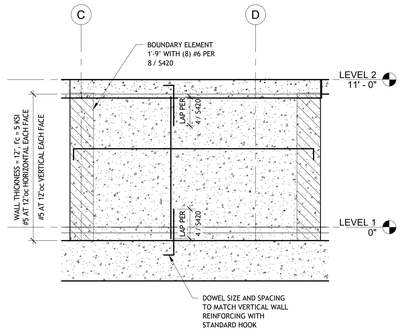

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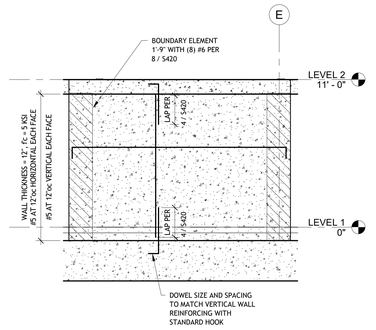

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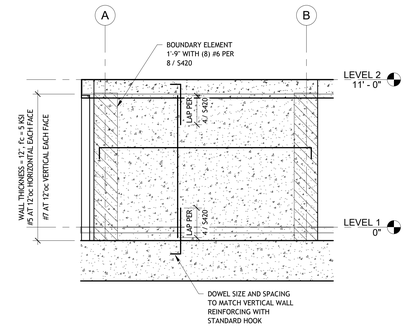
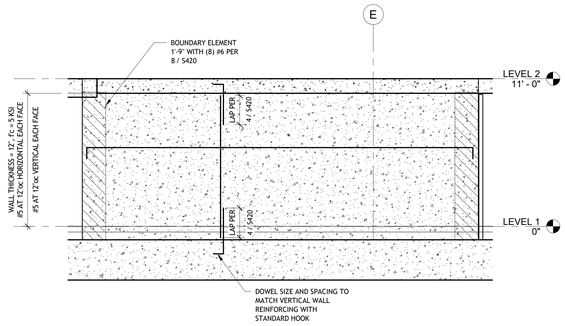
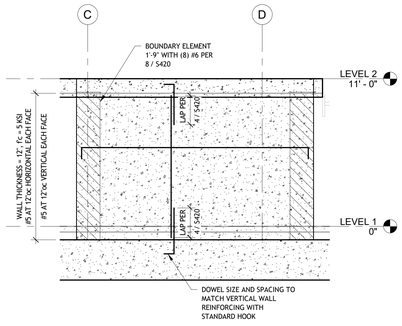


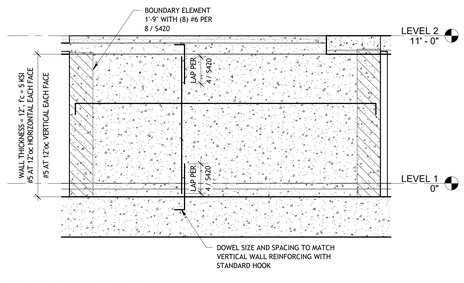
5 CONCRETE WALL ELEVATION
1/4" = 1'-0"



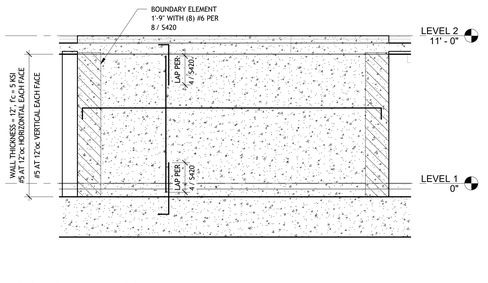
6 CONCRETE WALL ELEVATION
1/4" = 1'-0"



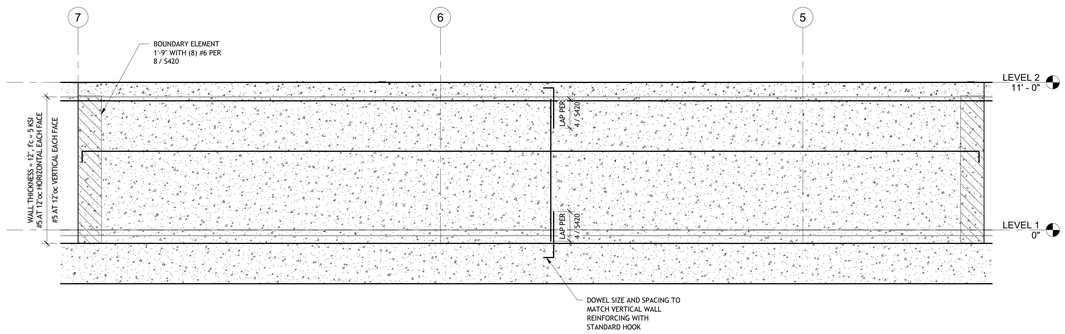
7 CONCRETE WALL ELEVATION
1/4" = 1'-0"



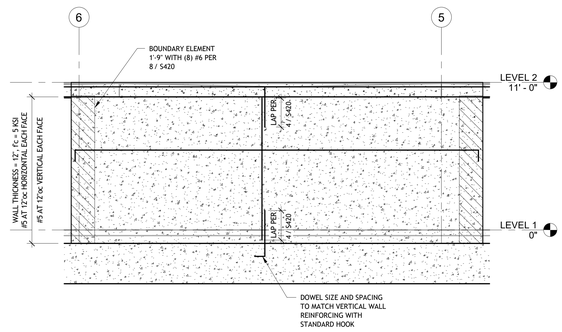
8 CONCRETE WALL ELEVATION
1/4" = 1'-0"



9 CONCRETE WALL ELEVATION
1/4" = 1'-0"



10 CONCRETE WALL ELEVATION
1/4" = 1'-0"



11 CONCRETE WALL ELEVATION
1/4" = 1'-0"

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PUYALLUP BELL PLACE

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PUYALLUP, WA 98371**

PROJECT NO.: 25-063
DRAWN: AAS
DATE: 20 MARCH 2026
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BUILDING PERMIT SET

SHEET TITLE:
CONCRETE WALL ELEVATIONS

SHEET NO.:
S301

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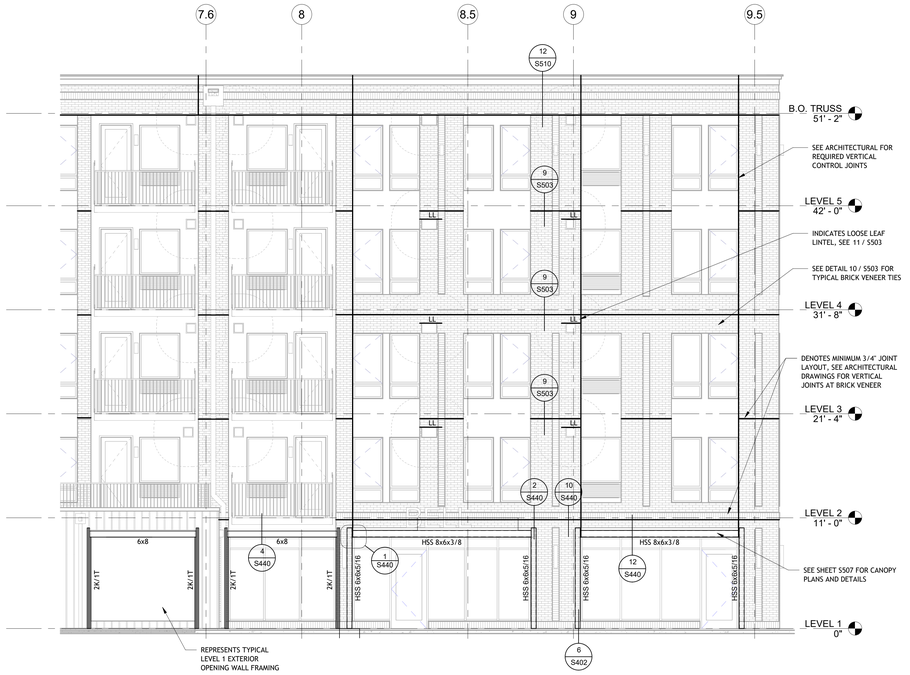
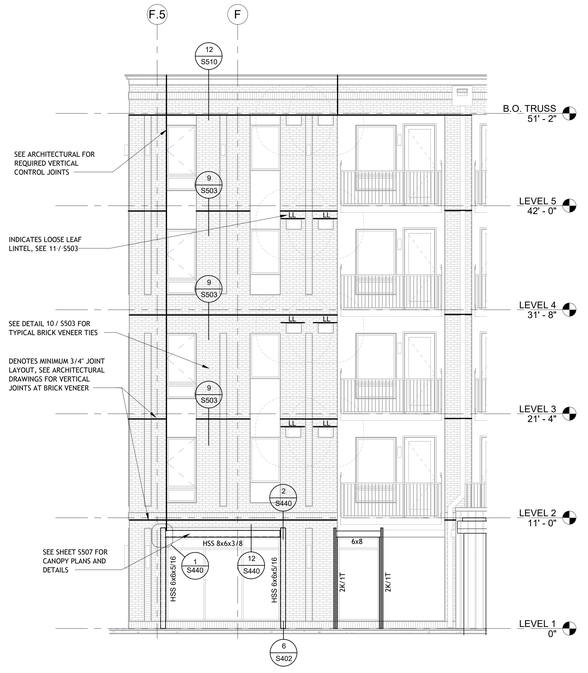
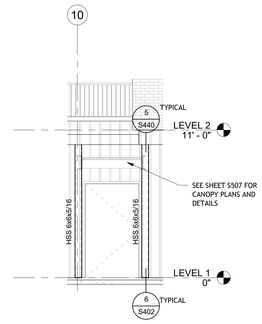


1 TYPICAL EXTERIOR BUILDING ELEVATION
3/16" = 1'-0"



2 TYPICAL EXTERIOR BUILDING ELEVATION
3/16" = 1'-0"



3 CANOPY ELEVATION
1/4" = 1'-0"

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BUILDING PERMIT SET

SHEET TITLE:
BUILDING ELEVATIONS

SHEET NO.:
S302

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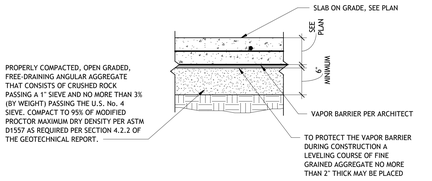
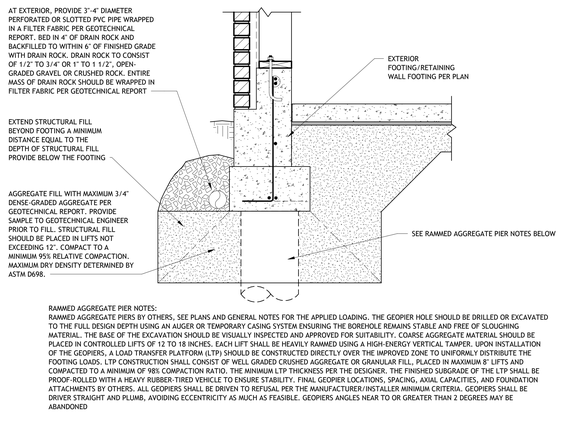
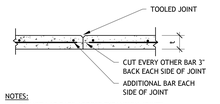


1 UNDER SLAB PREPARATION AT SLAB ON GRADE
1" = 1'-0"



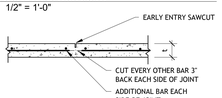
RAMMED AGGREGATE PIER NOTES:
RAMMED AGGREGATE PIERS BY OTHERS, SEE PLANS AND GENERAL NOTES FOR THE APPLIED LOADING. THE GEOPIER HOLE SHOULD BE DRILLED OR EXCAVATED TO THE FULL DESIGN DEPTH USING AN AUGER OR TEMPORARY CASING SYSTEM ENSURING THE BOREHOLE REMAINS STABLE AND FREE OF SLOUGHING MATERIAL. THE BASE OF THE EXCAVATION SHOULD BE VISUALLY INSPECTED AND APPROVED FOR SUITABILITY. COARSE AGGREGATE MATERIAL SHOULD BE PLACED IN CONTROLLED LIFTS OF 12 TO 18 INCHES. EACH LIFT SHALL BE HEAVILY RAMMED USING A HIGH-ENERGY VERTICAL TAMPER. UPON INSTALLATION OF THE GEOPIERS, A LOAD TRANSFER PLATFORM (LTP) SHOULD BE CONSTRUCTED DIRECTLY OVER THE IMPROVED ZONE TO UNIFORMLY DISTRIBUTE THE FOOTING LOADS. LTP CONSTRUCTION SHALL CONSIST OF WELL GRADED CRUSHED AGGREGATE OR GRANULAR FILL, PLACED IN MAXIMUM 8" LIFTS AND COMPACTED TO A MINIMUM OF 98% COMPACTION RATIO. THE MINIMUM LTP THICKNESS PER THE DESIGNER. THE FINISHED SUBGRADE OF THE LTP SHALL BE PROOF-ROLLED WITH A HEAVY RUBBER-TIRED VEHICLE TO ENSURE STABILITY. FINAL GEOPIER LOCATIONS, SPACING, AXIAL CAPACITIES, AND FOUNDATION ATTACHMENTS BY OTHERS. ALL GEOPIERS SHALL BE DRIVEN TO REFUSAL PER THE MANUFACTURER/INSTALLER MINIMUM CRITERIA. GEOPIERS SHALL BE DRIVER STRAIGHT AND PLUMB, AVOIDING ECCENTRICITY AS MUCH AS FEASIBLE. GEOPIERS ANGLES NEAR TO OR GREATER THAN 2 DEGREES MAY BE ABANDONED

2 SOIL PREPARATION BELOW FOOTINGS
1" = 1'-0"



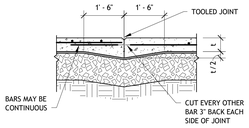
NOTES:
1. DO NOT LAP BARS ACROSS EXPANSION JOINTS
2. PROVIDE CONSTRUCTION JOINT PLAN TO ARCHITECT FOR APPROVAL
3. DO NOT USE THIS DETAIL FOR ARCHITECTURAL EXPOSED SLABS

3 CONSTRUCTION JOINT
1/2" = 1'-0"



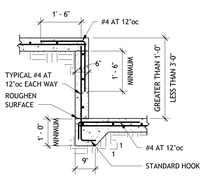
NOTES:
1. DO NOT LAP BARS ACROSS EXPANSION JOINTS
2. PROVIDE CONSTRUCTION JOINT PLAN TO ARCHITECT FOR APPROVAL
3. SAW CUT 1/8" x 1/4 SLAB DEPTH, SAWING MUST OCCUR AS SOON AS CONCRETE SURFACE IS FIRM ENOUGH THAT CONCRETE WILL NOT BE DAMAGED, BUT NO LATER THAN 12 HOURS FROM PLACEMENT

4 CONTROL JOINT
1/2" = 1'-0"

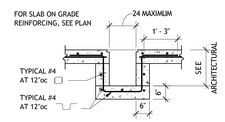


NOTES:
1. FOR SLAB ON GRADE THICKNESS, REINFORCING AND SUBGRADE PREPARATION, SEE PLAN.
2. FOR LOCATION OF EXPANSION JOINTS SEE ARCHITECTURAL.
3. FOR UNDER SLAB PREPARATION REQUIREMENTS, SEE .

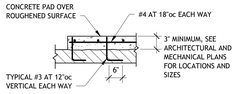
5 CONSTRUCTION JOINT (1)
1/2" = 1'-0"



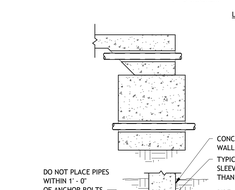
6 SLAB STEPS LARGER THAN 1'-0"
1/2" = 1'-0"



7 SUMP PIT
1/2" = 1'-0"

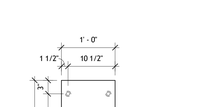


8 TYPICAL CONCRETE PAD
1/2" = 1'-0"

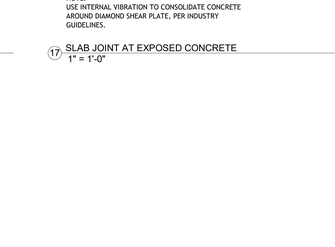


9 SLAB STEPS SMALLER THAN 1'-0"
1/2" = 1'-0"

10 STAIR OR RAMP ON GRADE
1/2" = 1'-0"



11 TRENCH DRAIN
1/2" = 1'-0"



12 OVERBUILD DETAILS
1/2" = 1'-0"

13 FOOTING STEP DOUBLE MAT
1/2" = 1'-0"

14 FOOTING STEP SINGLE MAT
1/2" = 1'-0"

NOTES:
1. STEP FOOTING PER OR TYPICAL, AS REQUIRED TO SATISFY THESE CONDITIONS.
2. GENERAL CONTRACTOR TO COORDINATE EXACT DEPTH AND LOCATION OF PIPE.
3. "d" SHALL NOT EXCEED 8'.
4. PROVIDE WALL REINFORCING AROUND PENETRATION PER GENERAL STRUCTURAL NOTES.

15 PIPE THROUGH FOUNDATION
1/2" = 1'-0"

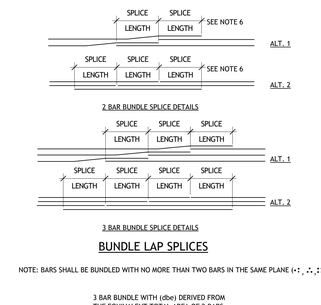
JOINT PLACEMENT GUIDELINES
A. LOCATE CONTROL JOINTS AND/OR CONSTRUCTION JOINTS AT
1. COLUMN CENTERLINES
2. RE-ENTRANT CORNERS OF BUILDING
3. AT CORNERS OF INTERIOR MASONRY OR CONCRETE WALLS WITH FOOTINGS
4. AT OPENINGS IN MASONRY OR CONCRETE WALLS WITH FOOTINGS
B. PROVIDE JOINTS ON ALL COLUMN LINES AND AT A MAXIMUM SPACING OF 36x THE SLAB THICKNESS EACH WAY BETWEEN COLUMN LINES. 24x SLAB THICKNESS AT EXPOSED ARCHITECTURAL SLABS.
C. SUBDIVIDED SLAB AREAS TO LIMIT LENGTH TO WIDTH RATIO OF SLAB AREA TO 3 TO 1 MAXIMUM. PROVIDE SQUARE SLAB AREAS WHERE PRACTICAL
D. PROVIDE DIAMOND SHAPED JOINT PATTERN AROUND COLUMNS.
E. PROVIDE (2) #4 BARS AT RE-ENTRANT CORNERS OF SLAB PER TYPICAL DETAIL.
F. SAWED JOINTS SHALL BE MADE AS SOON AS THE JOINT CAN BE CUT WITHOUT EDGES UNRAVELING AND WITHIN 12 HOURS OF SLAB PLACEMENT.

16 TYPICAL SLAB ON GRADE JOINT LAYOUT
1/8" = 1'-0"

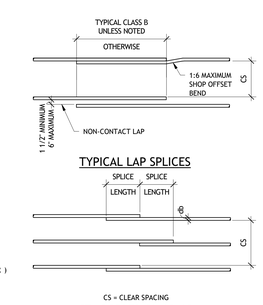
DOWEL SIZE AND SPACING FOR DIAMOND-SHAPED LOAD PLATES		
SLAB DEPTH	DIAMOND LOAD PLATE DIMENSIONS	DIAMOND LOAD PLATE SPACING CENTER TO CENTER
< 6"	1/4" x 4 1/2" x 4 1/2"	18"
7" - 8"	3/8" x 4 1/2" x 4 1/2"	18"
9" - 11"	3/4" x 4 1/2" x 4 1/2"	20"

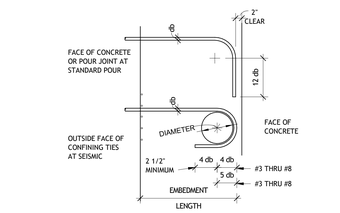
NOTE:
USE INTERNAL VIBRATION TO CONSOLIDATE CONCRETE AROUND DIAMOND SHEAR PLATE, PER INDUSTRY GUIDELINES.

17 SLAB JOINT AT EXPOSED CONCRETE
1" = 1'-0"



18 TYPICAL REBAR SPLICES
1" = 1'-0"

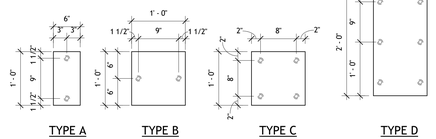




STANDARD HOOK NOTES:

1. ALL HOOKED BARS SHALL EXTEND AS FAR AS POSSIBLE TO THE OPPOSITE FACE WITH A MINIMUM OF 2" END COVER AND EMBEDMENT NOT LESS THAN SCHEDULE
2. MINIMUM SIDE COVER = 2 1/2"
3. DIAMETER = 6 db (FOR #3 THROUGH #8)
   DIAMETER = 8 db (FOR #9, #10 AND #11)
   DIAMETER = 10 db (FOR #14 AND #18)

19 TYPICAL STANDARD HOOKS
1" = 1'-0"



NOTES:
1. ALL EMBEDS 3/4" THICK TYPICAL, UNLESS NOTED OTHERWISE.
2. TYPICAL NELSON STUDS TO BE 3/4" DIAMETER x 5 3/16".
3. ALL EMBEDS TO HAVE #4 x 4'-0" HORIZONTAL, TIGHT TO EACH ROW OF STUDS.

20 TYPICAL EMBEDS
1" = 1'-0"

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BUILDING PERMIT SET

SHEET TITLE:
TYPICAL FOUNDATION DETAILS

SHEET NO.:
S401

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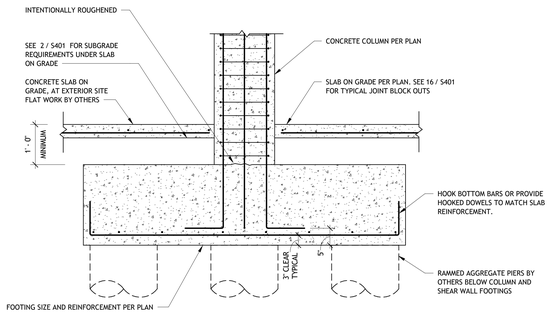
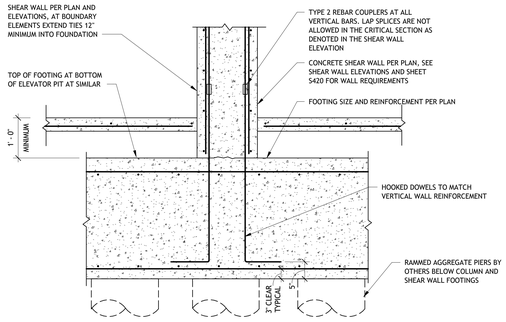
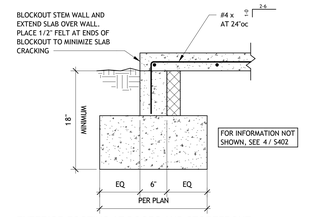


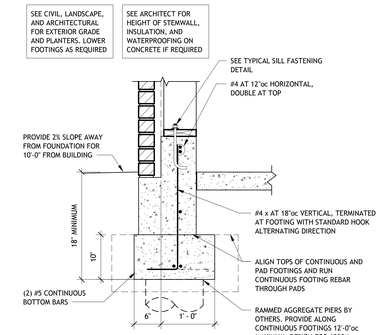
1 CONCRETE COLUMN TO FOOTING
3/4" = 1'-0"



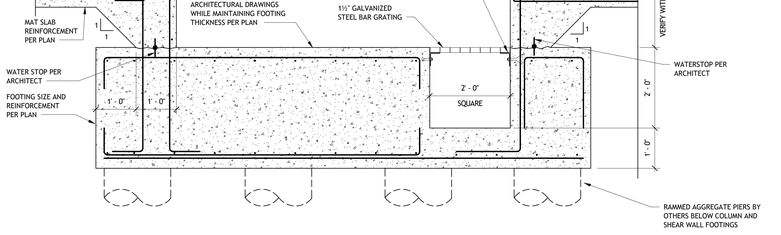
2 CONCRETE SHEAR WALL TO FOOTING
3/4" = 1'-0"



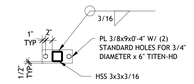
3 EXTERIOR FOOTING AT DOORS AND STOREFRONT
1" = 1'-0"



4 EXTERIOR FOOTING
1" = 1'-0"

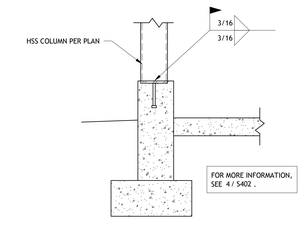


5 ELEVATOR PIT AT CONCRETE SHEAR WALLS
3/4" = 1'-0"



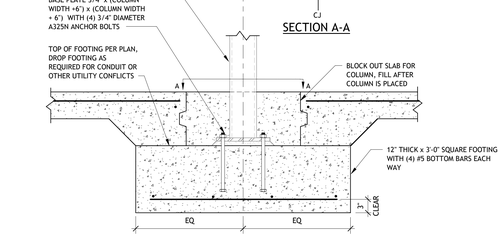
SECTION A-A

NOTE: FOR HSS FASTENING ON OUTSIDE RAILS, SEE SECTION A-A.

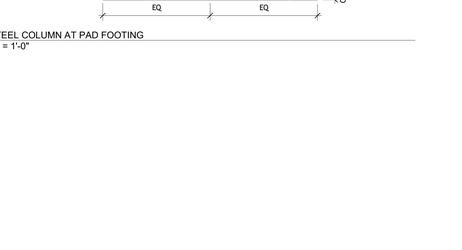


NOTES:
1. ALL EMBEDS 1/2" THICK TYPICAL, UNLESS NOTED OTHERWISE
2. TYPICAL NELSON STUDS TO BE 5/8" DIAMETER x 6 1/8"

6 HSS TO EXTERIOR FOOTING
1" = 1'-0"



SECTION A-A



7 STEEL COLUMN AT PAD FOOTING
1" = 1'-0"

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PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
**204 4TH ST SW
PUYALLUP, WA 98371**

PROJECT NO.: 25-063
DRAWN: AAS
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION: DESCRIPTION:

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BUILDING PERMIT SET

SHEET TITLE:
TYPICAL FOUNDATION DETAILS

SHEET NO.:
S402

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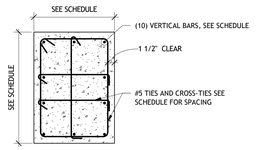
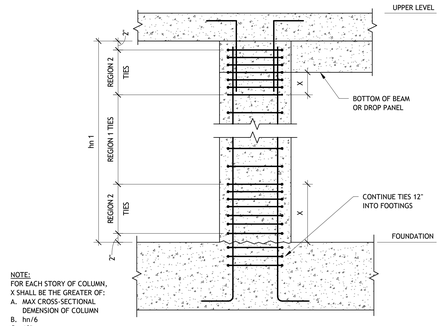
LEVEL	C-1	C-2	C-3	C-4
LEVEL 2				
COLUMN SIZE	20" x 14"	24" x 14"	28" x 14"	28" x 18"
TIES 'REGION 1'	#3 AT 4"oc	#3 AT 4"oc	#3 AT 4"oc	#3 AT 4"oc
TIES 'REGION 2'	#4 AT 4"oc	#4 AT 4"oc	#4 AT 4"oc	#4 AT 4"oc
f'c (PSI)	5000	5000	5000	5000
LEVEL 1				



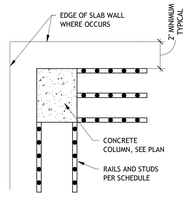
NOTES:
1. • INDICATES VERTICALS ABOVE.
2. ◦ INDICATES VERTICALS OR COLUMN DOWELS BELOW.
3. SEE COLUMN SCHEDULE FOR COLUMN DIMENSIONS AND REINFORCEMENT SIZE AND SPACING.

1 TYPICAL COLUMN SECTION
1" = 1'-0"

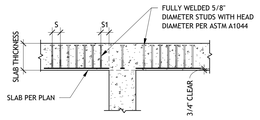


NOTE:
FOR EACH STORY OF COLUMN, X SHALL BE THE GREATER OF:
A. MAX CROSS-SECTIONAL DIMENSION OF COLUMN
B. hn/6
C. 18"

2 RECTANGULAR CONCRETE COLUMN ELEVATION
1" = 1'-0"



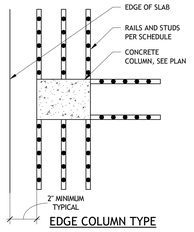
CORNER COLUMN TYPE



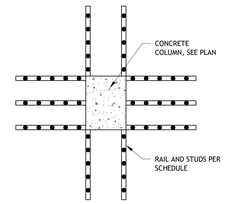
STUD RAILS LAYOUT

STUD RAILS SCHEDULE						
TYPE	RAILS LONG SIDES	RAILS SHORT SIDES	S1	S	STUDS/ RAILS	DIAMETER
1	3	3	5 1/2"	5 1/2"	10	5/8"
2	3	3	5 1/2"	5 1/2"	23	5/8"
3	3	3	2 3/4"	2 3/4"	42	5/8"
4	3	3	3"	3"	34	5/8"

NOTES:
1. STUDS TO BE ASTM A108 GR 1010-1020
2. WELD STUDS FULLY TO RAIL PLATE
3. DIAMETER OF HEADERS TO BE ≥ 3 TIMES DIAMETER OF STUDS
4. BASE RAIL TO CONFORM TO ASTM A1044
5. AT ROUND COLUMNS SPACE STUD RAILS EVENLY AROUND COLUMN



EDGE COLUMN TYPE



INTERIOR COLUMN TYPE

3 TYPICAL SLAB SHEAR REINFORCEMENT
NO SCALE

STRUCTURAL NOTES:
1. "T" = SLAB THICKNESS, REFERENCE PLAN

2. ONE SLEEVE WITH A "D" ≤ 4" IS ALLOWED IN EACH ZONE 1 QUADRANT. NO PENETRATIONS ALLOWED IN ZONE 2

3. SLEEVES NOT MEETING THE ABOVE CRITERIA SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR APPROVAL

4 ALLOWABLE PENETRATIONS AT SLAB SHEAR REINFORCEMENT
NO SCALE

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BUILDING PERMIT SET

SHEET TITLE:
CONCRETE COLUMN DETAILS

SHEET NO.:
S410

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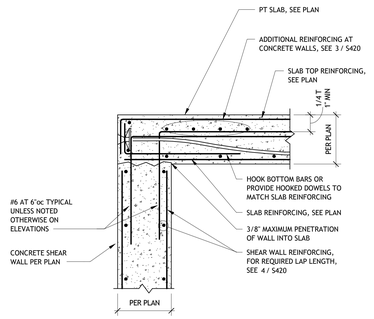
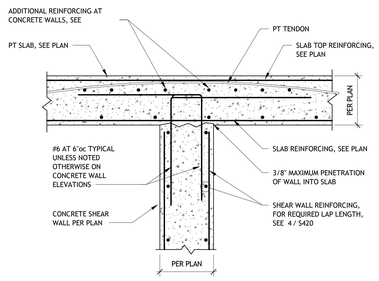
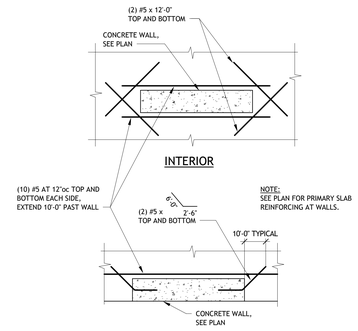


1 TYPICAL DISCONTINUOUS SLAB TO SHEAR WALL
1" = 1'-0"



2 TYPICAL SLAB TO SHEAR WALL
1" = 1'-0"



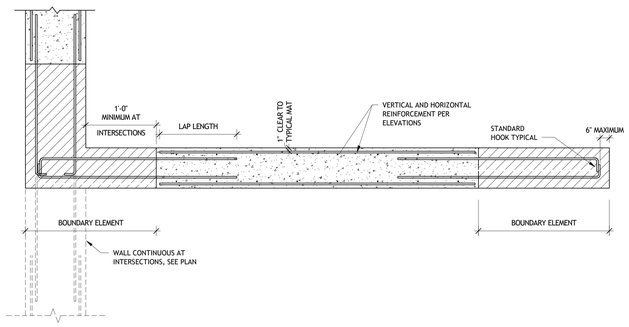
3 ADDITIONAL REINFORCING AT CONCRETE SHEAR WALLS
NO SCALE

SHEAR WALLS LAP SPLICE LENGTH SCHEDULE (IN.)			
	f'c = 5000 PSI		
BAR SIZE	VERTICAL BARS	HORIZONTAL BARS	BOUNDARY BARS (6)
#3	12	16	12
#4	17	28	17
#5	25	40	25
#6	34	55	34
#7	54	88	54
#8	67	109	67
#9	81	131	81
#10	97	158	97
#11	114	184	114

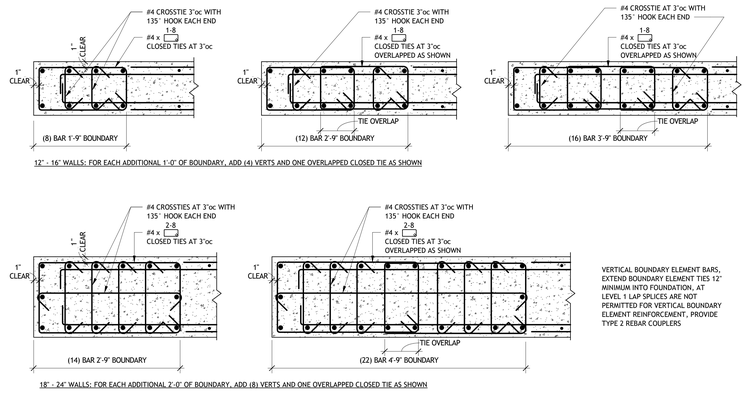
TABLE NOTES:

1. REINFORCING TO BE ASTM A706, GRADE 60 DEFORMED BARS.
2. MINIMUM CLEAR COVER AND SPACING TO BE PROVIDED. FOR CENTER-TO-CENTER SPACING LESS THAN 4db MULTIPLY LAP LENGTHS ABOVE BY 1.3.
3. NORMAL WEIGHT CONCRETE, FOR LIGHT-WEIGHT CONCRETE MULTIPLY TABLE VALUES BY 1.3
4. UNCOATED BARS, FOR EPOXY-COATED BARS MULTIPLY TABLE VALUES BY 1.5.
5. COMBINATIONS OF EFFECTS DUE TO CONCRETE STRENGTH, CONCRETE WEIGHT, AND EPOXY COATING ARE CUMULATIVE.
6. ALL CONFINED VERTICAL REINFORCING BARS AT WALL ENDS ARE CONSIDERED BOUNDARY BARS.

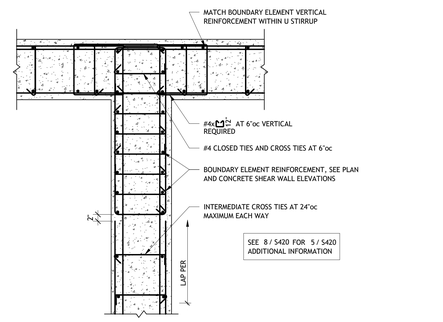
4 SHEAR WALL LAP SPLICE SCHEDULE
1" = 1'-0"



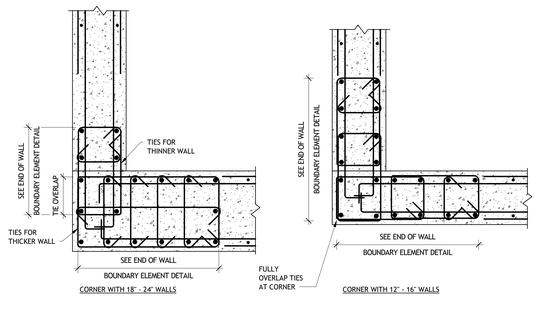
5 NON BOUNDARY ELEMENT SHEAR WALL REINFORCEMENT
3/4" = 1'-0"



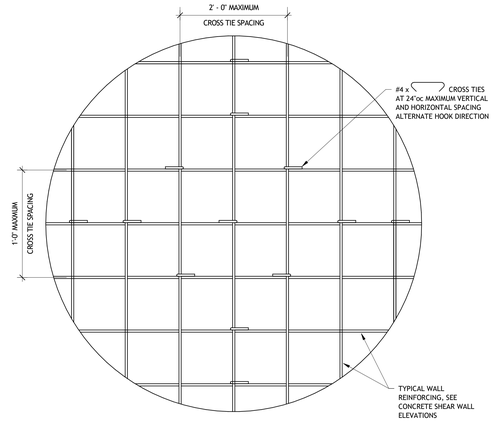
8 END OF WALL BOUNDARY ELEMENT DETAIL
1" = 1'-0"



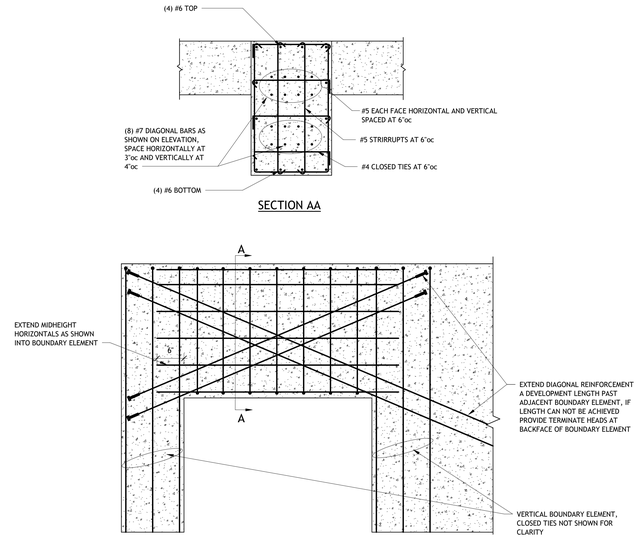
11 INTERSECTING SHEAR WALLS
3/4" = 1'-0"



9 CORNER BOUNDARY ELEMENT DETAIL
1" = 1'-0"



6 TYPICAL SHEAR WALL MAT TIES
1" = 1'-0"



7 SPANDREL WITH DIAGONAL REINFORCEMENT
1" = 1'-0"

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BUILDING PERMIT SET

SHEET TITLE:
CONCRETE SHEAR WALLS DETAILS

SHEET NO.:
S420

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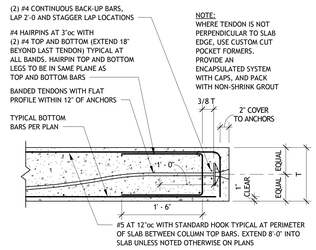
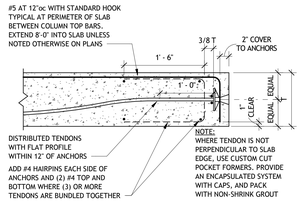
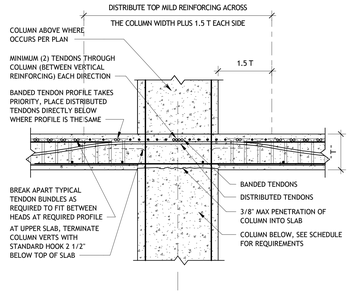


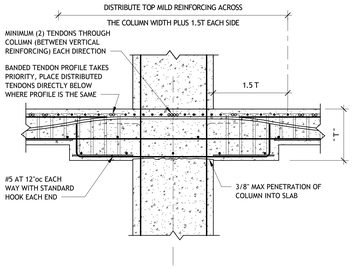
1 TYPICAL SLAB EDGE AT BANDED TENDONS
NO SCALE



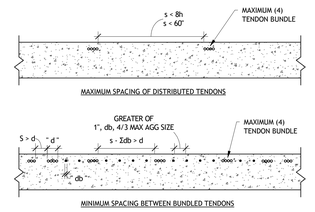
2 TYPICAL SLAB EDGE AT DISTRIBUTED TENDONS
NO SCALE



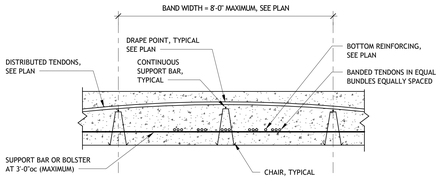
3 TYPICAL COLUMN TO PT SLAB
NO SCALE



4 TYPICAL COLUMN AT DROP PANEL
NO SCALE

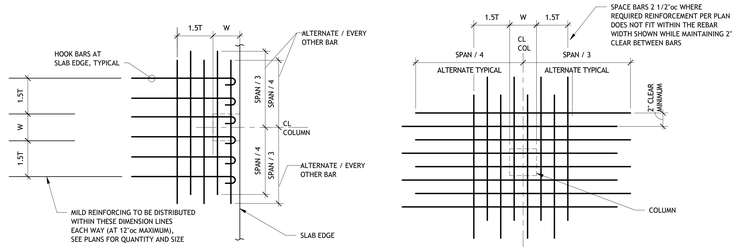


5 TENDON SPACING IN SLABS
NO SCALE



NOTES:
AT EDGE OF SLAB BAND,
WIDTH = 8'-0" MAXIMUM FROM EDGE

6 SECTION AT BANDED TENDONS
1" = 1'-0"



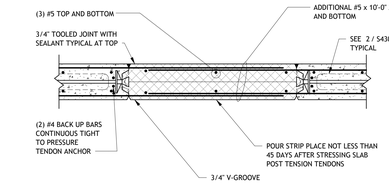
REINFORCING AT EXTERIOR SUPPORT

REINFORCING AT INTERIOR SUPPORT

NOTE:
-SPAN DIRECTION REPRESENTS THE CL TO CL DISTANCE BETWEEN COLUMNS OR OTHER SUPPORTS IN THE DIRECTION BEING CONSIDERED.

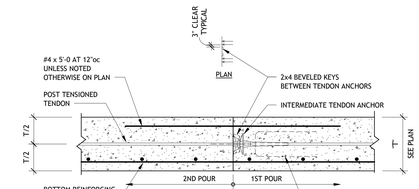
LEGEND
T - SLAB THICKNESS
W = COLUMN WIDTH

7 TYPICAL REINFORCING LAYOUT AT COLUMN
1" = 1'-0"



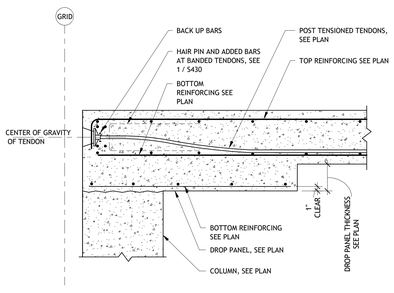
NOTE:
1. PROVIDE 3/4" DEEP TOOLED JOINTS, FILLED WITH SEALANT, IN TRANSVERSE DIRECTION AT 4'-0"oc AT TOP OF POUR STRIP
2. SHORE SLABS UNTIL POUR STRIP CONCRETE HAS ATTAINED. DESIGN STRENGTH OR 14 DAYS.

8 TYPICAL POUR STRIP
1" = 1'-0"

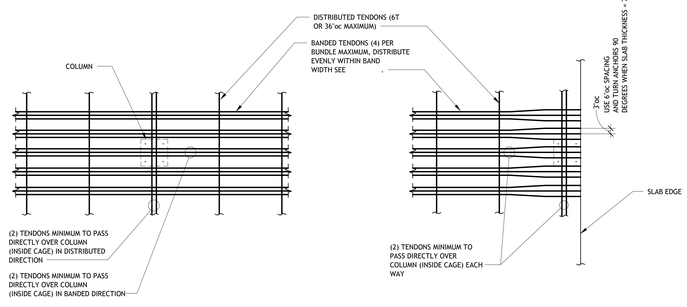


NOTES:
1. CONTRACTOR TO SUBMIT LOCATIONS OF PROPOSED CONSTRUCTION JOINTS TO ENGINEER FOR APPROVAL
2. JOINTS SHALL BE LOCATED WHERE CL OF TENDON IS AT CL OF SLAB
3. DO NOT SPLICE REBAR ACROSS JOINTS

9 TYPICAL POST TENSIONED SLAB CONSTRUCTION JOINT
NO SCALE



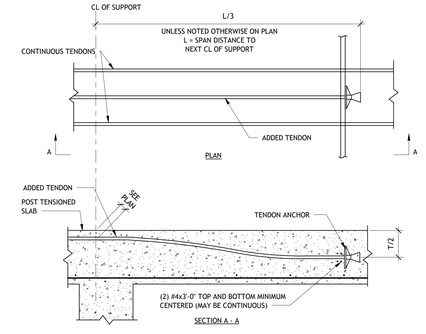
10 CORNER/EDGE DROP PANEL DETAIL AT POST TENSIONED SLAB
NO SCALE



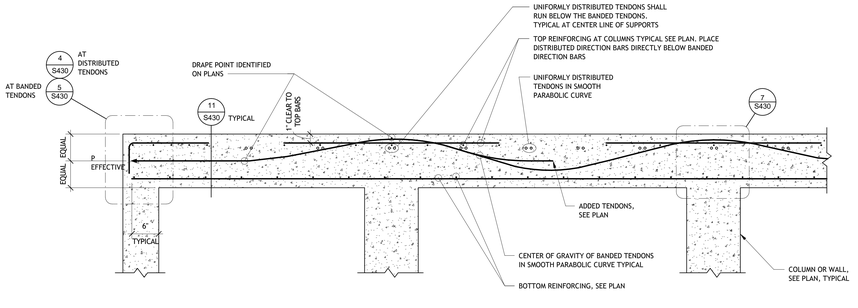
TENDONS AT INTERMEDIATE SUPPORT

TENDONS AT EXTERIOR SUPPORT

11 TYPICAL TENDON LAYOUT AT COLUMN
NO SCALE



12 TYPICAL ADDED TENDONS
NO SCALE



13 TYPICAL TWO-WAY POST TENSIONED SLAB LAYOUT
NO SCALE

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503 444 2200

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Portland, OR 97209
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PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25-063
DRAWN: AAS
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION:	DESCRIPTION:

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BUILDING PERMIT SET

SHEET TITLE:
PT SLAB DETAILS

SHEET NO.:
S430

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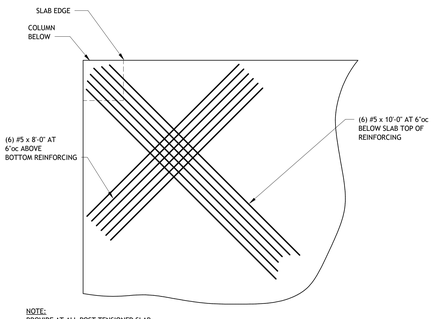
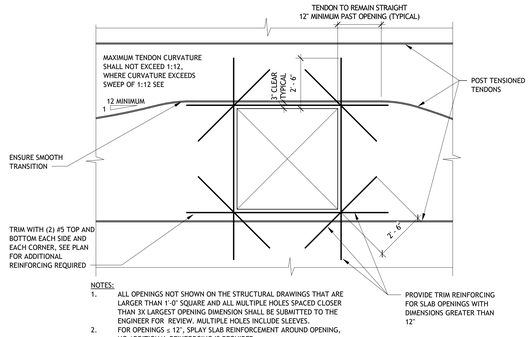


NOTE:
PROVIDE AT ALL POST TENSIONED SLAB CORNERS, TYPICAL, UNLESS NOTED OTHERWISE.

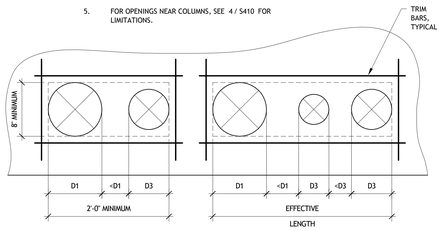
1 TYPICAL REINFORCING AT SLAB CORNERS
NO SCALE



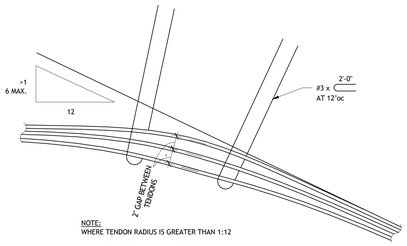
NOTES:
1. ALL OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS THAT ARE LARGER THAN 1'-0" SQUARE AND ALL MULTIPLE HOLES SPACED CLOSER THAN 3X LARGEST OPENING DIMENSION SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW. MULTIPLE HOLES INCLUDE SLEEVES.
2. FOR OPENINGS ≤ 12", SPLAY SLAB REINFORCEMENT AROUND OPENING, NO ADDITIONAL REINFORCING IS REQUIRED.
3. PROVIDE STANDARD HOOK AT DISCONTINUOUS SLAB BARS AT OPENINGS > 12".

2 TYPICAL HORIZONTAL CURVATURE
NO SCALE

NOTES:
1. INSERTS WHICH ARE CLOSER TO ONE ANOTHER THAN THE DIAMETER OF THE LARGER OF THE TWO ARE CONSIDERED TO FORM A COMBINED OPENING.
2. IF THE COMBINED OPENING IS LESS THAN 1'-0" NO TRIM BARS ARE REQUIRED.
3. IF THE COMBINED OPENING IS MORE THAN 1'-0", BUT LESS THAN 2'-0", PROVIDE (2) #4 TOP AND BOTTOM WITH 2'-0" EXTENSION PAST THE OPENING.
4. IF THE COMBINED OPENING IS LARGER THAN 2'-0" SEE FOR TRIM BARS.
5. FOR OPENINGS NEAR COLUMNS, SEE 4 / S410 FOR LIMITATIONS.



3 TRIM BARS FOR OPENINGS IN POST TENSIONED SLAB
NO SCALE



NOTE:
WHERE TENDON RADIUS IS GREATER THAN 1:12

1. KEEP TENDONS MINIMUM 2" APART
2. PLACE HAIRPINS AS SHOWN FOR EACH GROUP OF 3 TENDONS

4 TENDON PLACEMENT FOR SWEEPS > 1:12
NO SCALE

5 POST TENSIONED SLAB TRIM BARS AT RE-ENTRANT CORNERS
NO SCALE

6 OPENINGS AT POST TENSIONED ANCHORAGE
NO SCALE

AT EDGE OF SLAB CONDITION

7 TYPICAL HAIRPIN AT TENDON RADIUS
NO SCALE

NOTES:
1. NO ALUMINUM CONDUIT SHALL BE EMBEDDED INTO SLABS.
2. CONDUIT LOCATED IN SLAB OR WALL SHALL BE LOCATED WITHIN MIDDLE THIRD OF SLAB OR WALL.
3. MAXIMUM DIAMETER ('D') OF CONDUIT = T/6.
4. SPACE CONDUIT 3'D' CLEAR OR 4" MINIMUM OF THE LARGEST ADJACENT CONDUIT.
5. DO NOT CUT/RELOCATE REBAR TO INSTALL CONDUIT.
6. DO NOT PLACE CONDUIT WITHIN 4'-0" OF COLUMN FACE OR S.B.E. OR THROUGH SLAB SHEAR REINFORCING STUD RAILS).
7. KEEP CONDUIT AT LEAST 2'-0" WAY FROM POST TENSIONED TENDON ANCHORAGE.
8. MAINTAIN A MINIMUM HORIZONTAL CLEARANCE FROM PARALLEL POST TENSIONED TENDONS OF 1'-0" AND A MINIMUM VERTICAL CLEARANCE OF 1" FROM POST TENSIONED TENDONS BEING CROSSED.
9. SUBMIT TO THE ENGINEER FOR REVIEW PROPOSED LOCATION AND SIZE OF ALL CONDUIT. ADDITIONAL REINFORCING MAY BE NECESSARY AT CONGESTED AREAS OF CONDUIT.

8 CONDUIT IN CONCRETE SLAB OR WALL
NO SCALE

9 TRIM BARS AT CANILEVERED SLAB
NO SCALE

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BUILDING PERMIT SET

SHEET TITLE:
PT SLAB DETAILS

SHEET NO.:
S431

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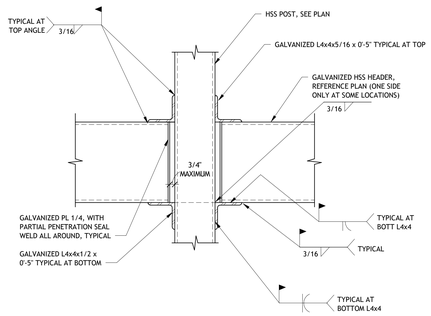
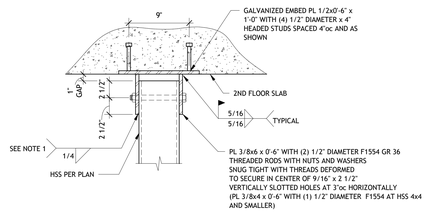
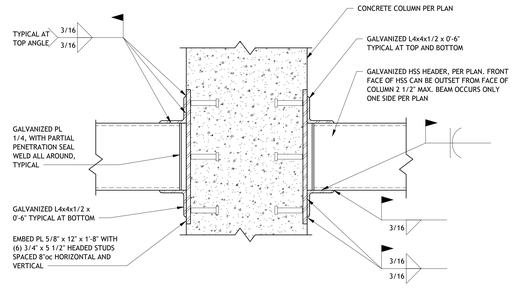


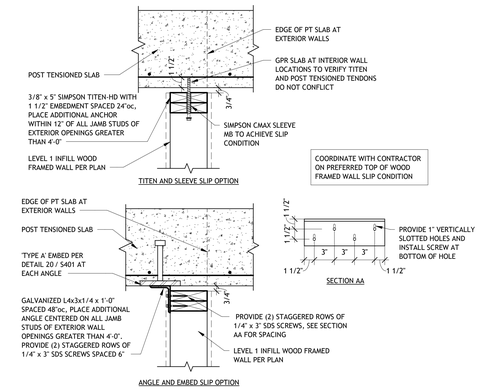
1 TYPICAL HSS HEADER CONNECTION TO HSS POST
1 1/2" = 1'-0"



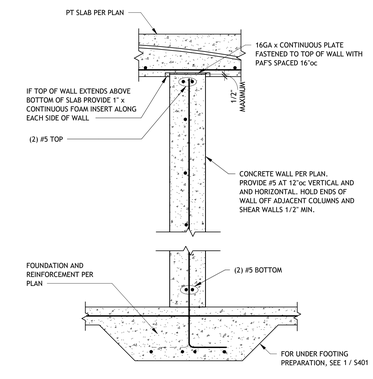
2 TYPICAL POST CONNECTION TO UNDERSIDE OF SLAB
1 1/2" = 1'-0"



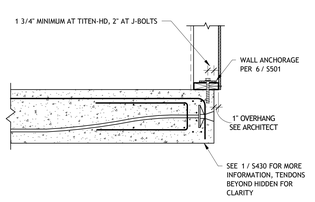
3 HSS HEADER TO CONCRETE COLUMN
1 1/2" = 1'-0"



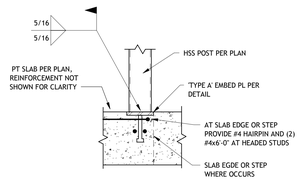
4 TYPICAL LEVEL 1 WOOD WALL TO PT SLAB
NO SCALE



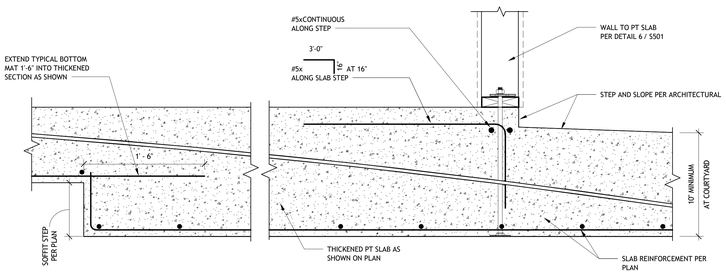
5 CONCRETE BEARING WALL
1" = 1'-0"



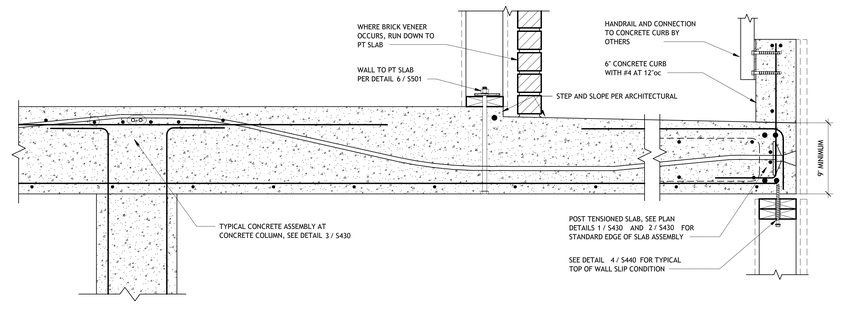
6 WALL FRAMING TO SLAB EDGE
NO SCALE



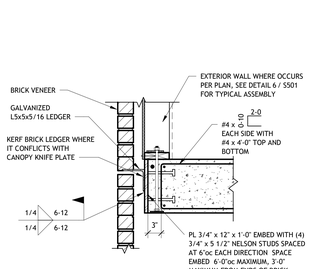
7 TYPICAL HSS TO TOP OF PT SLAB
1" = 1'-0"



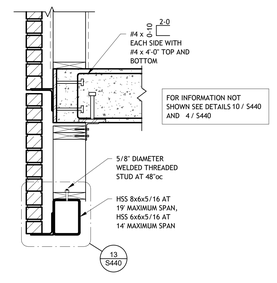
8 TYPICAL LEVEL 2 SLAB STEP AT COURTYARD
NO SCALE



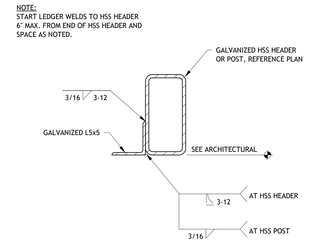
9 TYPICAL LEVEL 2 SLAB STEP AT EXTERIOR
NO SCALE



10 BRICK LEDGER AT PT SLAB
1" = 1'-0"



12 BRICK SUPPORT AT CANOPY
1" = 1'-0"



13 SECTION AT BRICK LEDGER
1 1/2" = 1'-0"

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SHEET TITLE:
CONCRETE DETAILS

SHEET NO.:
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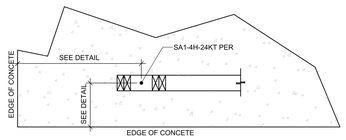
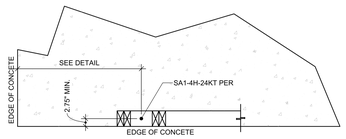
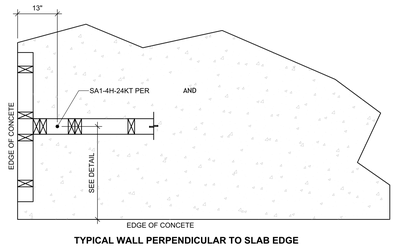


TYPICAL MID SLAB PARTIAL PLAN DETAIL



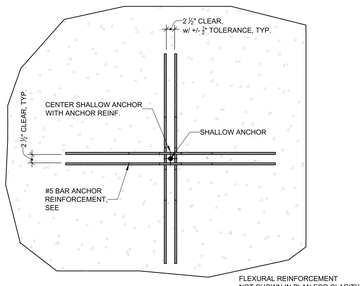
TYPICAL EDGE OF SLAB PARTIAL PLAN DETAIL



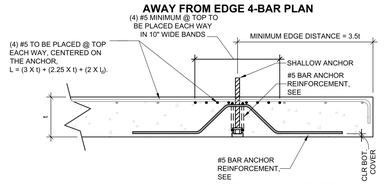
TYPICAL WALL PERPENDICULAR TO SLAB EDGE

TYPICAL PLAN LAYOUTS OF SHALLOW ANCHOR SOLUTIONS

1 SIMPSON ATS ANCHOR
NO SCALE

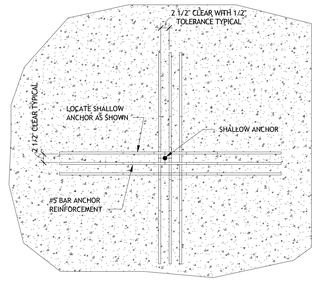


AWAY FROM EDGE 4-BAR PLAN

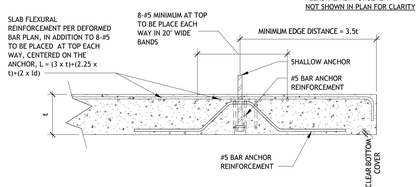


AWAY FROM EDGE 4-BAR SECTION

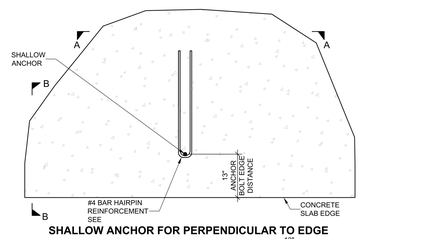
2 AWAY FROM EDGE 4 BAR PLAN
NO SCALE



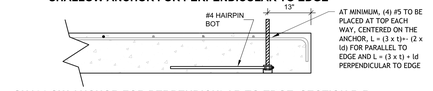
FLEXURAL REINFORCEMENT NOT SHOWN IN PLAN FOR CLARITY



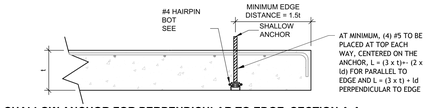
3 AWAY FROM EDGE 6 BAR PLAN
1/16" = 1'-0"



SHALLOW ANCHOR FOR PERPENDICULAR TO EDGE



SHALLOW ANCHOR FOR PERPENDICULAR TO EDGE, SECTION B-B



SHALLOW ANCHOR FOR PERPENDICULAR TO EDGE, SECTION A-A

4 ATS ANCHORAGE 13" FROM SLAB EDGE - TYPE 1
1 1/2" = 1'-0"

SHALLOW ANCHOR FOR PERPENDICULAR TO EDGE, 1- LAYER PLAN

SHALLOW ANCHOR FOR PERP TO EDGE, 1- LAYER, SECTION B-B

NEAR EDGE 1- LAYER, SECTION A-A

5 ATS ANCHORAGE 13" FROM SLAB EDGE - TYPE 2
12" = 1'-0"

CONCRETE STRENGTH (psi)	l_d (in.)
2,500	27
3,000	25
4,000	21
5,000	19

L = 2(h + 1.7(2") + 2(l_d) + 4 ⅝"

*NOTE:
WHEN LABELED AS PIECE 'A' AT EDGE, h = t - (1.5" + BOT. COVER)

6 FULL LENGTH ANCHOR REINFORCEMENT
12" = 1'-0"

CONCRETE STRENGTH (psi)	l_d (in)
2,500	27
3,000	25
4,000	21
5,000	19

L = (h + 1½") + (l_d) + h/2

7 HAIRPIN REINFORCEMENT AT EDGES
12" = 1'-0"

ANCHOR REINFORCEMENT AT EDGES, PIECES B & C

8 ANCHOR REINFORCEMENT AT EDGES
12" = 1'-0"

9 ATS ANCHORAGE - AWAY FROM EDGE ANCHOR BOLT ONLY
1/16" = 1'-0"

10 ATS ANCHORAGE 13" FROM SLAB EDGE - TYPE 3
1" = 1'-0"

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SHEET TITLE:
HOLD DOWN DETAILS

SHEET NO.:
S450

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SIMPSON STRONGTIE CONNECTOR NOTES:

OVERDRIVING NAILS MAY REDUCE ALLOWABLE LOADS.

POWDER-ACTUATED FASTENERS SHOULD NOT BE USED TO INSTALL CONNECTORS.

JOIST SHALL BEAR COMPLETELY ON THE CONNECTOR SEAT, AND THE GAP BETWEEN THE JOIST END AND THE HEADER SHALL NOT EXCEED 1/8" PER ICC-ES AC261, ASTM D1761 AND ASTM D7147 TEST STANDARDS (UNLESS SPECIFICALLY NOTED OTHERWISE).

FOR HOLDOWNS, ANCHOR BOLT NUTS SHOULD BE FINGER-TIGHT PLUS 1/3 TO 1/2 TURN WITH A HAND WRENCH, WITH CONSIDERATION GIVEN TO POSSIBLE FUTURE WOOD SHRINKAGE. CARE SHOULD BE TAKEN TO NOT OVER-TORQUE THE NUT. IMPACT WRENCHES SHOULD NOT BE USED AS THEY MAY PRELOAD THE HOLDOWN.

HOLDOWNS AND TENSION TIES MAY BE RAISED OFF THE SILL AS DICTATED BY FIELD CONDITIONS TO ACCOMMODATE AN ANCHOR MIS-LOCATED NO MORE THAN 1 1/2". THE HOLDOWN SHALL BE RAISED OFF THE SILL AT LEAST 3" FOR EVERY 1/4" THAT THE ANCHOR IS OFFSET FROM THE MODEL'S CENTERLINE. ANCHOR BOLT SLOPE SHALL BE NO GREATER THAN 1:12 (OR 5 DEGREES). CONTACT THE DESIGNER IF THE HOLDOWN ANCHOR IS OFFSET MORE THEN 1 1/2" OR RAISED MORE THAN 6". RAISED HOLDOWN HEIGHT IS MEASURED FROM THE TOP OF CONCRETE TO THE TOP OF THE HOLDOWN BEARING PLATE.

FOR COLD-FORMED STEEL APPLICATIONS, ALL SCREWS SHALL BE INSTALLED IN ACCORDANCE WITH THE SCREW MANUFACTURER'S RECOMMENDATIONS. ALL SCREWS SHALL PENETRATE AND PROTRUDE THROUGH THE JOINED MATERIALS A MINIMUM OF 3 FULL EXPOSED THREADS PER AISI STANDARD FOR COLD FORMED STEEL FRAMING - GENERAL PROVISIONS, SECTION D1.3, IF APPLICABLE.

FOR COLD-FORMED STEEL APPLICATIONS, AS A MINIMUM ALL SCREWS MUST COMPLY WITH SOCIETY OF AUTOMOTIVE ENGINEERS (SAE) STANDARD J78, STEEL SELF-DRILLING/TAPPING SCREWS, AND MUST HAVE A TYPE II COATING IN ACCORDANCE WITH ASTM B 633, ELECTRO-DEPOSITED COATINGS OF ZINC ON IRON AND STEEL.

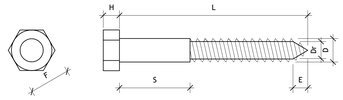
NUTS SHALL BE INSTALLED SUCH THAT THE END OF THE THREADED ROD OR BOLT IS AT LEAST FLUSH WITH THE TOP OF THE NUT.

FILL ALL FASTENER HOLES AS SPECIFIED IN THE INSTALLATION INSTRUCTIONS FOR THAT PRODUCT.

THE PROPER USE OF CERTAIN PRODUCTS REQUIRES THAT THE PRODUCT BE BENT. FOR THOSE PRODUCTS, INSTALLERS MUST NOT BEND THE PRODUCT MORE THAN ONE TIME (ONE FULL CYCLE).

INSTALL ALL SPECIFIED FASTENERS BEFORE LOADING THE CONNECTION.

1 SIMPSON CONNECTOR NOTES
1" = 1'-0"



D	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"	1 1/8"	1 1/4"
Dr	0.173"	0.227"	0.265"	0.328"	0.371"	0.471"	0.579"	0.683"	0.780"	0.887"	1.012"
E	5/32"	3/16"	7/32"	9/32"	5/16"	13/32"	1/2"	19/32"	11/16"	25/32"	7/8"
H	11/64"	7/32"	1/4"	19/64"	11/32"	27/64"	1/2"	37/64"	43/64"	3/4"	27/34"
F	7/16"	1/2"	9/16"	5/8"	3/4"	15/16"	1 1/8"	1 5/16"	1 1/2"	1 11/16"	1 7/8"
N	10"	9"	7"	7"	6"	5"	4 1/2"	4"	3 1/2"	3 1/4"	3 1/4"

L	2"	2 1/2"	3"	4"	5"	6"	7"	8"	9"	10"	11"	12"
S	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	4 1/2"	5"	6"

LAG SCREWS SHALL MEET THE REQUIREMENTS OF ANSI/ASME STANDARD B18.2.1. LEAD HOLES FOR LAG SCREWS SHALL BE BORED AS FOLLOWS TO AVOID SPLITTING OF THE WOOD MEMBER DURING CONNECTION FABRICATION: (A) THE LEAD HOLE FOR THE SHANK SHALL HAVE THE SAME DIAMETER AS THE SHANK, AND THE SAME DEPTH OF PENETRATION AS THE LENGTH OF UNTHREADED SHANK. (B) THE LEAD HOLE FOR THE THREADED PORTION SHALL HAVE A DIAMETER EQUAL TO 65% TO 85% OF THE SHANK DIAMETER IN WOOD WITH G = 0.6, 60% TO 75% IN WOOD WITH 0.5 < G < 0.6, AND 40% TO 70% IN WOOD WITH G < 0.5 AND A LENGTH EQUAL TO AT LEAST THE LENGTH OF THE THREADED PORTION. THE LARGER PERCENTILE IN EACH RANGE SHALL APPLY TO LAG SCREWS OF GREATER DIAMETERS. THE THREADED PORTION OF THE LAG SCREW SHALL BE INSERTED IN ITS LEAD HOLE BY TURNING WITH A WRENCH, NOT BY DRIVING WITH A HAMMER. NO REDUCTION TO REFERENCE DESIGN VALUES IS ANTICIPATED IF SOAP OR OTHER LUBRICANT IS USED ON THE LAG SCREW OR IN THE LEAD HOLES TO FACILITATE INSERTION AND TO PREVENT DAMAGE TO THE LAG SCREW. THE MINIMUM LENGTH OF LAG SCREW PENETRATION, PMIN, NOT INCLUDING THE LENGTH OF THE TAPERED TIP, E, OF THE LAG SCREW INTO THE MAIN MEMBER OF SINGLE SHEAR CONNECTIONS AND THE SIDE MEMBERS OF DOUBLE SHEAR CONNECTIONS SHALL BE 4D. EDGE DISTANCES, END DISTANCES, AND FASTENER SPACING SHALL NOT BE LESS THAN THE REQUIREMENTS IN TABLES 11.5.1A THROUGH E. STANDARD CUT WASHERS SHALL BE USED, SEE DETAIL 3.

2 LAG SCREWS
1" = 1'-0"

A STANDARD CUT WASHER, OR METAL PLATE OR METAL STRAP OF EQUAL OR GREATER DIMENSIONS SHALL BE PROVIDED BETWEEN THE WOOD AND THE BOLT HEAD AND BETWEEN THE WOOD AND THE NUT.

D BOLT	3/8"	1/2"	5/8"	3/4"	7/8"	1"
ID	0.438"	0.562"	0.688"	0.812"	0.938"	1.062"
OD	1"	1.375"	1.75"	2"	2.250"	2.5"
T	.083"	.109"	.134"	.148"	.165"	.165"

3 STANDARD HEX BOLTS AND CUT WASHERS
1" = 1'-0"

WOOD SCREWS SHALL MEET ANSI/ASME STANDARD B18.6.1. EDGE DISTANCES, END DISTANCES, AND FASTENER SPACING SHALL BE SUFFICIENT TO PREVENT SPLITTING OF THE WOOD. SCREWS USED TO ATTACH SHEATHING IN HORIZONTAL DIAPHRAGMS, VERTICAL SHEAR WALLS AND BRACED WALLS SHALL HAVE DOCUMENTATION THAT THEY HAVE ME THE CRITERIA OF ICC-ES AC-120 - "ACCEPTANCE CRITERIA FOR WOOD SCREWS USED IN HORIZONTAL DIAPHRAGMS, VERTICAL SHEAR WALLS AND BRACED WALLS."

CUT THREAD WOOD SCREWS

NOTE: SEE MANUFACTURERS FOR FASTENERS SPECIFIC TO THEIR HARDWARE.

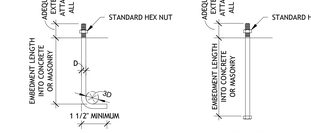
PNEUMATIC FASTENERS USED FOR SHEATHING AND WOOD FRAMING

NOTE: SEE MANUFACTURERS FOR FASTENERS SPECIFIC TO THEIR HARDWARE.

COMMON STEEL WIRE NAILS AND SPIKES, BOX NAILS, THREADED HARDENED-STEEL NAILS, AND POST-FRAME RING SHANK NAILS SHALL MEET THE REQUIREMENTS IN ASTM F1667. GALVANIZED NAILS SHALL BE HOT-DIPPED, PER ASTM A153 CLASS D OR A641 CLASS 35 OR MECHANICALLY DEPOSITED PER ASTM B695 CLASS 40. NAIL SPECIFICATIONS FOR ENGINEERED CONSTRUCTION SHALL INCLUDE THE MINIMUM LENGTHS AND DIAMETERS FOR THE NAILS AND SPIKES TO BE USED. THREADED, HARDENED-STEEL NAILS, AND SPIKES SHALL BE MADE OF HIGH CARBON STEEL WIRE, HEADED, POINTED, ANNULARLY OR HELICALLY THREADED, AND HEAT TREATED AND TEMPERED TO PROVIDE GREATER YIELD STRENGTH THAN FOR COMMON WIRE NAILS OF CORRESPONDING SIZE. WHEN A BORED HOLE IS DESIRED TO PREVENT SPLITTING OF WOOD, THE DIAMETER OF THE BORED HOLE SHALL NOT EXCEED 90% OF THE NAIL OR SPIKE DIAMETER FOR WOOD WITH G = 0.6, NOR 75% OF THE NAIL OR SPIKE DIAMETER FOR WOOD WITH G = 0.6. TOE-NAILS SHALL BE DRIVEN AT AN ANGLE OF APPROXIMATELY 30° WITH THE MEMBER AND STARTED APPROXIMATELY 1/3 THE LENGTH OF THE NAIL FROM THE MEMBER END.

STEEL WIRE NAILS

4 FASTENERS
1" = 1'-0"

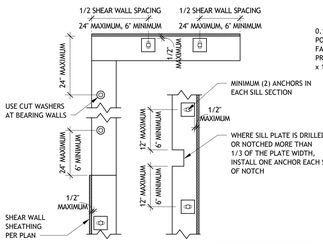


"J" BOLTS HEADED BOLTS

BOLT DIAMETER "D"	MINIMUM EMBEDMENT	
	VERTICAL ANCHOR BOLTS	HORIZONTAL ANCHOR BOLTS
1/2"	7"	5"
5/8"	7"	5"
3/4"	7"	5"
7/8"	8"	6"
1"	9"	7"
1 1/8"	10"	8"

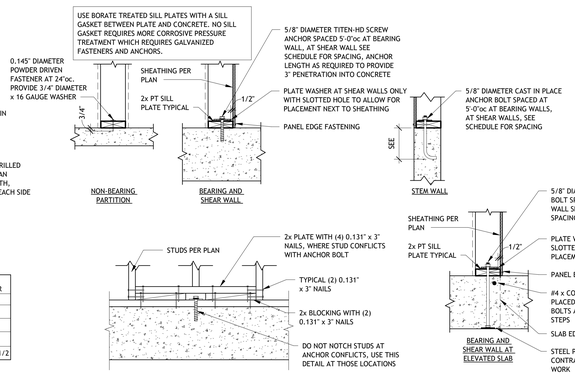
NOTES:
1. USE HEADED BOLTS UNLESS NOTED OTHERWISE ON PLANS/DETAILS.
2. GALVANIZE ALL BOLTS.
3. ANCHORS CAST IN CONCRETE TO BE ASTM F1554 GR36.

5 TYPICAL ANCHOR BOLTS
1" = 1'-0"

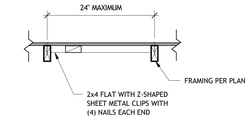


NOTES:
1. HOLDOWN ANCHOR BOLTS ARE NOT A SUBSTITUTE FOR SILL ANCHORS.
2. UP TO 1 3/4" SLOT IN WASHERS IS ACCEPTABLE FOR CONSTRUCTION TOLERANCE IF A CUT THREAD WASHER IS USED OVER THE SLOT

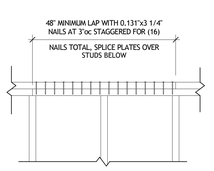
ANCHOR SIZE	SHEAR WALL PLATE WASHER
1/2"	PL 3/16x2x2
5/8"	PL 1/4x3x3
3/4"	PL 5/16x3x3
7/8"	PL 5/16x3x3
1"	PL 3/8x3 1/2x3 1/2



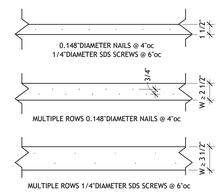
6 SILL FASTENING AT WOOD SHEAR WALLS, EXTERIOR WALLS, AND BEARING WALLS
1" = 1'-0"



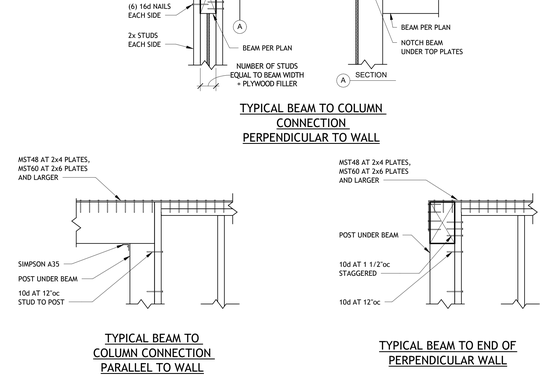
7 TYPICAL BLOCKING AT SMALL ROOF AND FLOOR OPENINGS
1" = 1'-0"



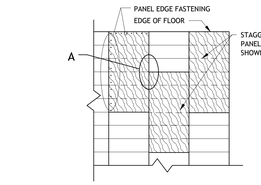
8 TYPICAL TOP PLATE SPLICE
1" = 1'-0"

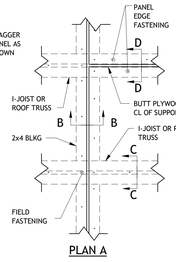


9 MINIMUM FASTENER SPACING INTO TOP OF I-JOISTS
1 1/2" = 1'-0"



10 TYPICAL BEAM TO COLUMN CONNECTION
1" = 1'-0"



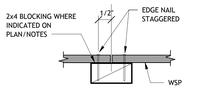


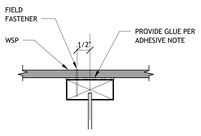
WOOD STRUCTURAL PANEL FLOOR CONSTRUCTION:

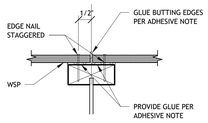
MATERIAL: SEE GENERAL NOTES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

ADHESIVE: ADHESIVE SHALL CONFORM TO APA SPECIFICATION AFG-01 OR ASTM D3498, APPLIED IN ACCORDANCE WITH THE ADHESIVE MANUFACTURER'S RECOMMENDATIONS. IF OSB PANELS WITH SEALED SURFACES AND EDGES ARE TO BE USED, USE ONLY SOLVENT-BASED GLUES; CHECK WITH PANEL MANUFACTURER. ADHESIVE SHALL BE CERTIFIED AS CONFORMING BY A TESTING AGENCY ACCEPTED BY THE FEDERAL HOUSING ADMINISTRATION, IN ACCORDANCE WITH PROCEDURES GIVEN IN HUD-FHA USE OF MATERIALS BULLETIN UM-60

EXECUTION:
1. APPLY A BEAD OF GLUE ABOUT 1/4 INCH IN DIAMETER TO ALL CONTACT/BEARING SURFACES, ON WIDE AREAS APPLY GLUE IN SERPENTINE PATTERN.
2. APPLY TWO BEADS OF GLUE ON JOISTS WHERE PANEL ENDS BUTT.
3. APPLY GLUE PROGRESSIVELY TO BUTTING EDGES OF PANELS AS WORK PROCEEDS.
4. COMPLETE NAILING OF EACH PANEL BEFORE GLUE SETS.







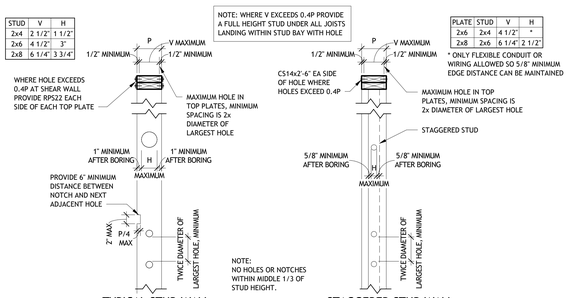
11 TYPICAL FLOOR SHEATHING ATTACHMENT
1 1/2" = 1'-0"

STUD	V	H
2x4	2 1/2"	1 1/2"
2x6	4 1/2"	3"
2x8	6 1/4"	3 3/4"

NOTE: WHERE V EXCEEDS 0.4P PROVIDE A FULL HEIGHT STUD UNDER ALL JOISTS LANDING WITHIN STUD BAY WITH HOLE

PLATE	STUD	V	H
2x6	2x4	4 1/2"	*
2x8	2x6	6 1/4"	2 1/2"

* ONLY FLEXIBLE CONDUIT OR WIRING ALLOWED SO 5/8" MINIMUM EDGE DISTANCE CAN BE MAINTAINED



12 TYPICAL STUD NOTCHING AND BORING
1" = 1'-0"

C2K ARCHITECTURE
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Portland, OR 97209
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PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25-063
DRAWN: AAS
DATE: 20 MARCH 2026
BUILDING PERMIT SET
REVISION: DESCRIPTION:

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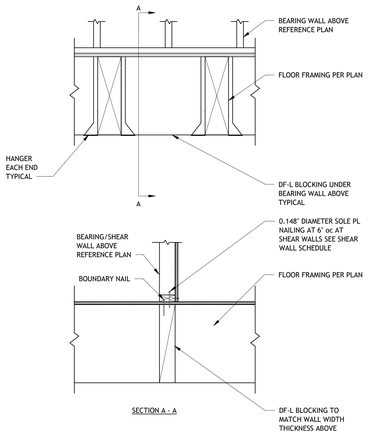
BUILDING PERMIT SET

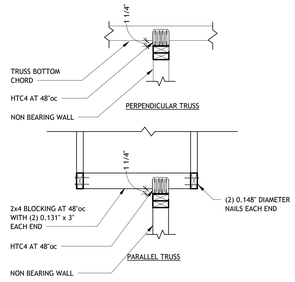
SHEET TITLE:
TYPICAL FRAMING DETAILS

SHEET NO.:
S501

C:\Users\alex.sirois.STONEWOOD\Documents\25-063 Puyallup Bell Place v25 - Central_alex.sirois.rvt
3/18/2026 3:48:43 PM

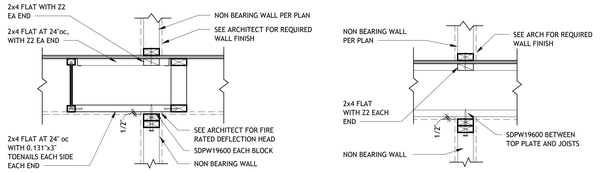


1 TYP LVL BLOCKING
1" = 1'-0"



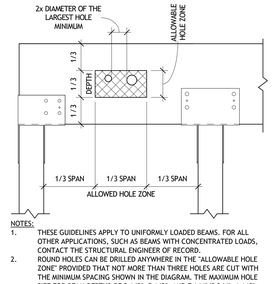
NOTES:
1. CLIPS AND BLOCKING NOT REQUIRED AT WALL SECTIONS LESS THAN 8'-0" LONG, WHERE EACH END OF WALL SECTION IS BRACED BY EITHER WALL CORNERS OR WALL INTERSECTIONS
2. ARCHITECT TO PROVIDE RESILIENT JOINT TO ALLOW 1" OF ROOF DEFLECTION

2 NON-BEARING WALLS WITH DEFLECTION HEAD AT ROOF
1" = 1'-0"



NOTES:
1. SCREWS AND BLOCKING AT DOUBLE TOP PLATES NOT REQUIRED AT WALL SECTIONS LESS THAN 8'-0" LONG, WHERE EACH END OF WALL SECTION IS BRACED BY EITHER WALL CORNERS OR WALL INTERSECTIONS
2. ARCHITECT TO PROVIDE RESILIENT JOINT TO ALLOW 1/2" OF FLOOR DEFLECTION

3 NON-BEARING WALLS AT FLOORS
1" = 1'-0"



NOTES:
1. THESE GUIDELINES APPLY TO UNIFORMLY LOADED BEAMS. FOR ALL OTHER APPLICATIONS, SUCH AS BEAMS WITH CONCENTRATED LOADS, CONTACT THE STRUCTURAL ENGINEER OF RECORD.
2. ROUND HOLES CAN BE DRILLED ANYWHERE IN THE "ALLOWABLE HOLE ZONE" PROVIDED THAT NOT MORE THAN THREE HOLES ARE CUT WITH THE MINIMUM SPACING SHOWN IN THE DIAGRAM. THE MAXIMUM HOLE SIZE FOR BEAM DEPTHS OF 3 1/2", 5 1/2", AND 7 1/4" IS 3 1/4", 1 1/8" AND 1 1/2" RESPECTIVELY. FOR BEAMS DEEPER THAN 7 1/4", THE MAXIMUM HOLE SIZE IS 2".
3. RECTANGULAR HOLES ARE NOT ALLOWED.
4. DO NOT DRILL HOLES IN CANTILEVERS WITHOUT PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD.
5. OTHER HOLE SIZES AND CONFIGURATIONS MAY BE POSSIBLE WITH FURTHER ENGINEERING ANALYSIS. FOR MORE INFORMATION CONTACT THE STRUCTURAL ENGINEER OF RECORD.
6. PROTECT PLUMBING HOLES FROM MOISTURE.

4 HOLES IN PSL, LVL AND LSL BEAMS
NO SCALE

NOTES:
1. MAXIMUM HOLE SIZE IS 1 1/2" DIAMETER OR A HOLE DIAMETER EQUAL TO 1/10 THE BEAM DEPTH, WHICHEVER IS SMALLER.
2. FIELD DRILLED HOLES MUST BE A MINIMUM OF 4 HOLE DIAMETERS FROM THE TOP AND BOTTOM SURFACE OF THE BEAM AND A MINIMUM OF 8 HOLE DIAMETERS FROM THE END OF THE BEAM. THE DISTANCE IS MEASURED FROM THE EDGE OF THE HOLE TO THE NEAREST EDGE.
3. SPACING OF FIELD DRILLED HOLES (NOT INCLUDING HOLES RELATED TO CONNECTIONS) SHALL NOT BE LESS THAN 5'-0"oc.
4. FIELD DRILLED HOLES SHALL BE SPACED AT LEAST 8 DIAMETERS FROM EDGE OF HOLES SHOWN ON CONTRACT DOCUMENTS.
5. WHERE GLULAM CANTILEVERS OVER ONE OR MORE SUPPORTS OR HAS TWO OR MORE CONTINUOUS SPANS, NO HOLES SHALL BE PERMITTED WITHOUT APPROVAL OF THE ENGINEER OF RECORD.

5 HOLES IN GL BEAMS
NO SCALE

NOTES:
1. THESE GUIDELINES APPLY TO UNIFORMLY LOADED BEAMS. FOR ALL OTHER APPLICATIONS, SUCH AS BEAMS WITH CONCENTRATED LOADS, PLEASE CONTACT THE STRUCTURAL ENGINEER OF RECORD.
2. NOTCH OR TAPER CUTS ARE NOT PERMITTED EXCEPT AT END BEARING AREA.
3. DO NOT OVER-CUT AT THE INTERIOR CORNER OF NOTCH. DRILL A PILOT HOLE AT THE INTERIOR CORNER OF NOTCH AS SAW STOP.
4. NOTCHES SHALL NOT BE PERMITTED ON BOTH TENSION AND COMPRESSION SIDE AT THE SAME CROSS-SECTION.
5. ALL NOTCHES SHOULD BE SEALED IMMEDIATELY AFTER CUTTING USING WATER-REPELLANT SEALER.

6 GLULAM BEAM NOTCHES
NO SCALE

NOTES:
1. THESE GUIDELINES APPLY TO UNIFORMLY LOADED, SINGLE SPAN BEAMS ONLY. FOR ALL OTHER APPLICATIONS, SUCH AS BEAMS WITH CONCENTRATED LOADS, PLEASE CONTACT THE STRUCTURAL ENGINEER OF RECORD.
2. WHERE BEAM WIDTH IS GREATER THAN 4" NOMINAL, INTERIOR NOTCHES IN THE TENSION FACE ARE NOT PERMITTED.
3. DO NOT OVER-CUT AT THE INTERIOR CORNER OF NOTCH, DRILL A PILOT HOLE AT THE INTERIOR CORNER OF NOTCH AS SAW STOP.
4. NOTCHES SHALL NOT BE PERMITTED ON BOTH TENSION AND COMPRESSION SIDE AT THE SAME CROSS-SECTION.

7 SOLID SAWN BEAM NOTCHES
NO SCALE

1. THESE GUIDELINES APPLY TO UNIFORMLY LOADED BEAMS. FOR ALL OTHER APPLICATIONS, SUCH AS BEAMS WITH CONCENTRATED LOADS, PLEASE CONTACT THE STRUCTURAL ENGINEER OF RECORD.
2. ROUND HOLES CAN BE DRILLED ANYWHERE IN 'AREA A' PROVIDED THAT : NO MORE THAN FOUR HOLES ARE CUT, WITH THE MINIMUM SPACING DESCRIBED IN THE DIAGRAM. THE MAXIMUM HOLE SIZE IS 1 1/2" FOR DEPTHS UP TO 9 1/4" AND 2" FOR DEPTH GREATER THAN 9 1/4".
3. RECTANGULAR HOLES ARE NOT ALLOWED.
4. DO NOT DRILL HOLES IN CANTILEVERS WITHOUT PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD.
5. OTHER HOLE SIZES AND CONFIGURATIONS MAY BE POSSIBLE WITH FURTHER ENGINEERING ANALYSIS. FOR MORE INFORMATION CONTACT THE STRUCTURAL ENGINEER OF RECORD.
6. AREA B:
   MAXIMUM HOLE DIAMETER - 'W' / 3
   6'oc MINIMUM SPACING
   LOCATED IN MIDDLE 1/3 OF DEPTH 'W'
7. PROTECT PLUMBING HOLES FROM MOISTURE.

8 BEAM BORING AT SOLID SAWN BEAM
NO SCALE

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

STONEWOOD
STRUCTURAL ENGINEERS
2001 NW 19th Ave STE 103A
Portland, OR 97209
360.216.1706
www.stonewoodstructural.com

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25-063
DRAWN: AAS
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION: DESCRIPTION:

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BUILDING PERMIT SET

SHEET TITLE:
TYPICAL FRAMING DETAILS

SHEET NO.:
S502

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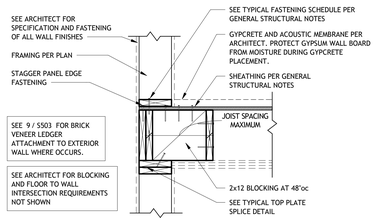
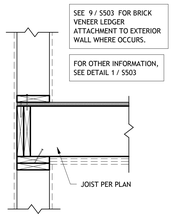
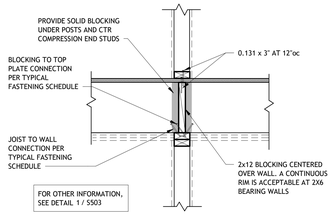


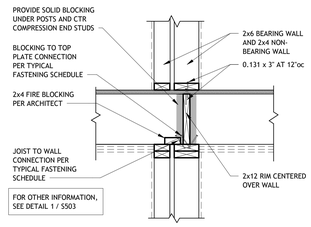
1 PLATFORM EXTERIOR WALL JOISTS PARALLEL
1" = 1'-0"



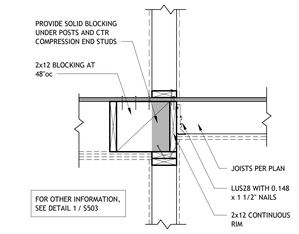
2 PLATFORM EXTERIOR WALL JOISTS PERPENDICULAR
1" = 1'-0"



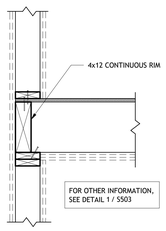
3 PLATFORM BEARING WALL
1" = 1'-0"



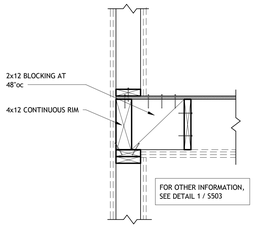
4 PLATFORM UNIT DEMISING WALL
1" = 1'-0"



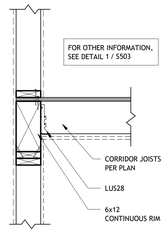
5 MODIFIED BALLOON CORRIDOR WALL JOISTS PARALLEL
1" = 1'-0"



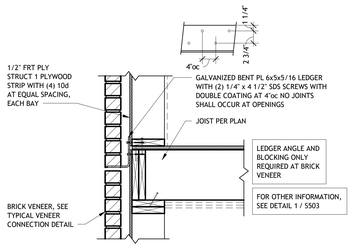
6 2HR PLATFORM SHAFT WALL JOISTS PERPENDICULAR
1" = 1'-0"



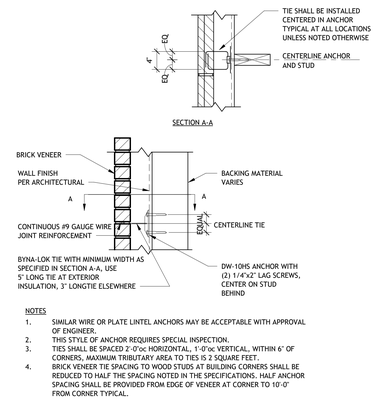
7 2HR PLATFORM SHAFT WALL JOISTS PARALLEL
1" = 1'-0"



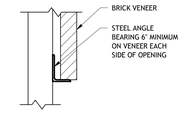
8 2HR PLATFORM SHAFT WALL AT CORRIDOR
1" = 1'-0"



9 LEDGER AT EXTERIOR WALL
1" = 1'-0"

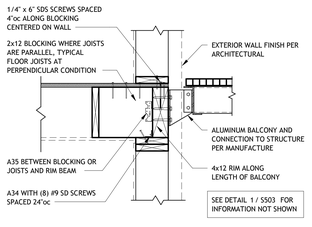


10 TYPICAL VENEER CONNECTION
1" = 1'-0"

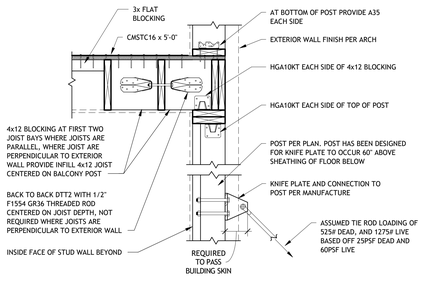


ALLOWABLE SPAN FOR LINTELS SUPPORTING MASONRY VENEER	
SIZE OF ANGLE	10' MAXIMUM VENEER ABOVE
GALVANIZED L3 1/2 x 3 1/2 x 5/16	4'-0"
GALVANIZED L6 x 4 x 3/8	5'-0"
GALVANIZED L6 x 4 x 1/2	6'-0"

11 SPANS FOR LINTELS SUPPORTING MASONRY VENEER
1" = 1'-0"



12 TYPICAL ALUMINUM BALCONY TO EXTERIOR WALL (PARALLEL)
1" = 1'-0"



13 BALCONY TIE ROD TO POST
1" = 1'-0"

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

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PUYALLUP BELL PLACE

OWNER:
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ADDRESS:
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PUYALLUP, WA 98371

PROJECT NO.: 25-063
DRAWN: AAS
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION: DESCRIPTION:

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BUILDING PERMIT SET

SHEET TITLE:
FRAMING DETAILS (BEARING)

SHEET NO.:
S503

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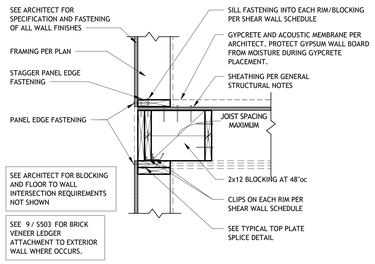
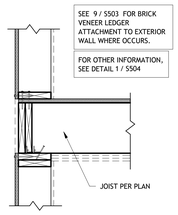
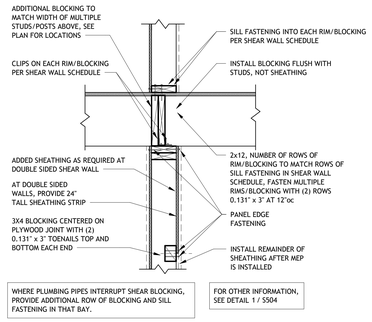
3/18/2026 3:48:44 PM



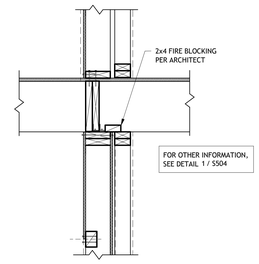
1 PLATFORM EXTERIOR SHEAR WALL JOISTS PARALLEL
1" = 1'-0"



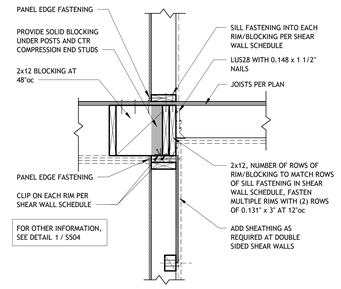
2 PLATFORM EXTERIOR SHEAR WALL JOISTS PERPENDICULAR
1" = 1'-0"



3 INTERIOR PLATFORM SHEAR WALL JOISTS PERPENDICULAR
1" = 1'-0"



4 PLATFORM UNIT DEMISING SHEAR WALL
1" = 1'-0"



5 PLATFORM CORRIDOR SHEAR WALL WITH JOISTS PARALLEL
1" = 1'-0"

6 PLATFORM SHAFT SHEAR WALL AT CORRIDOR
1" = 1'-0"

7 PLATFORM SHAFT SHEARWALL AT PERPENDICULAR JOISTS
1" = 1'-0"

8 PLATFORM SHAFT SHEARWALL AT PARALLEL JOISTS
1" = 1'-0"

9 TYPICAL FIRE WALL
1" = 1'-0"

C2K
ARCHITECTURE
1645 NW HOYT
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BUILDING PERMIT SET

SHEET TITLE:
FRAMING DETAILS (SHEAR)

SHEET NO.:
S504

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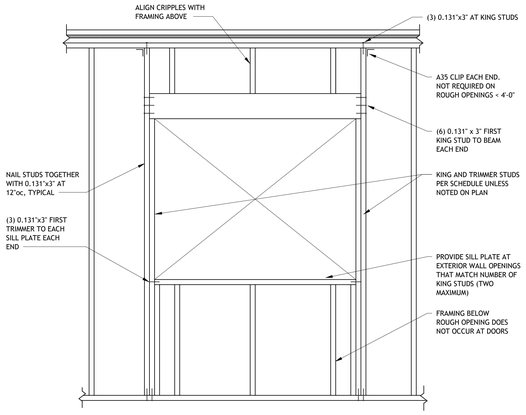
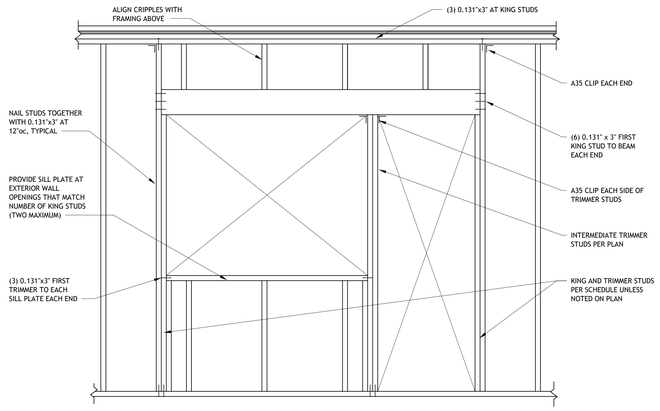
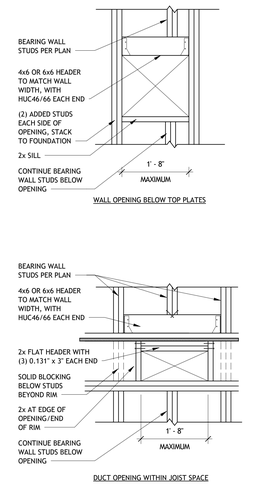


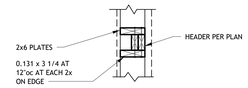
1 TYPICAL EXTERIOR OPENING - MODIFIED BALLOON
3/4" = 1'-0"



2 TYPICAL EXTERIOR OPENING - WITH INTERMEDIATE SUPPORT
3/4" = 1'-0"



3 OPENING IN WOOD WALL
3/4" = 1'-0"



4 BUILT-UP HEADER SECTION
1" = 1'-0"

TOP OF BEAM EXPOSED TO FIRE

UNBALANCED LAYUP

UNRATED (FOR REFERENCE ONLY)	ONE HOUR RATED	TWO HOUR RATED
OUTER COMPRESSION	OUTER COMPRESSION	OUTER COMPRESSION
INNER COMPRESSION	ADDITIONAL OUTER COMPRESSION	ADDITIONAL OUTER COMPRESSION
INNER COMPRESSION	INNER COMPRESSION	ADDITIONAL OUTER COMPRESSION
CORE	INNER COMPRESSION	INNER COMPRESSION
CORE	CORE	INNER COMPRESSION
CORE	CORE	CORE
CORE	CORE	CORE
CORE	CORE	INNER TENSION
CORE	INNER TENSION	INNER TENSION
INNER TENSION	INNER TENSION	ADDITIONAL OUTER TENSION
INNER TENSION	ADDITIONAL OUTER TENSION	ADDITIONAL OUTER TENSION
OUTER TENSION	OUTER TENSION	OUTER TENSION

BALANCED LAYUP

UNRATED (FOR REFERENCE ONLY)	ONE HOUR RATED	TWO HOUR RATED
OUTER TENSION	OUTER TENSION	OUTER TENSION
INNER TENSION	ADDITIONAL OUTER TENSION	ADDITIONAL OUTER TENSION
INNER TENSION	INNER TENSION	ADDITIONAL OUTER TENSION
CORE	INNER TENSION	INNER TENSION
CORE	CORE	INNER TENSION
CORE	CORE	CORE
CORE	CORE	CORE
CORE	CORE	INNER TENSION
CORE	INNER TENSION	INNER TENSION
INNER TENSION	INNER TENSION	ADDITIONAL OUTER TENSION
INNER TENSION	ADDITIONAL OUTER TENSION	ADDITIONAL OUTER TENSION
OUTER TENSION	OUTER TENSION	OUTER TENSION

NOTES:
1. ONE HOUR RATED BEAMS WILL HAVE (2) CORE LAMINATIONS REMOVED. (2) ADDITIONAL OUTER TENSION LAMINATIONS WILL BE ADDED AND THE TENSION ZONE MOVED INWARD, RESULTING IN THE SAME TOTAL NUMBER OF LAMINATIONS.
2. TWO HOUR RATED BEAMS WILL HAVE (4) CORE LAMINATIONS REMOVED. (4) ADDITIONAL OUTER TENSION LAMINATIONS WILL BE ADDED AND THE TENSION ZONE MOVED INWARD, RESULTING IN THE SAME TOTAL NUMBER OF LAMINATIONS.
3. SEE ANSI 117-2020 FOR MORE INFORMATION ON LAMINATION GRADES.

5 MODIFICATIONS TO CHAR CALCULATED GLULAMS WITH TOP OF BEAMS EXPOSED TO FIRE
NO SCALE

BOTTOM OF BEAM EXPOSED TO FIRE

UNBALANCED LAYUP

UNRATED (FOR REFERENCE ONLY)	ONE HOUR RATED	TWO HOUR RATED
OUTER COMPRESSION	OUTER COMPRESSION	OUTER COMPRESSION
INNER COMPRESSION	ADDITIONAL OUTER COMPRESSION	ADDITIONAL OUTER COMPRESSION
INNER COMPRESSION	INNER COMPRESSION	ADDITIONAL OUTER COMPRESSION
CORE	INNER COMPRESSION	INNER COMPRESSION
CORE	CORE	INNER COMPRESSION
CORE	CORE	CORE
CORE	CORE	CORE
CORE	CORE	INNER TENSION
CORE	INNER TENSION	INNER TENSION
INNER TENSION	INNER TENSION	ADDITIONAL OUTER TENSION
INNER TENSION	ADDITIONAL OUTER TENSION	ADDITIONAL OUTER TENSION
OUTER TENSION	OUTER TENSION	OUTER TENSION

BALANCED LAYUP

UNRATED (FOR REFERENCE ONLY)	ONE HOUR RATED	TWO HOUR RATED
OUTER TENSION	OUTER TENSION	OUTER TENSION
INNER TENSION	ADDITIONAL OUTER TENSION	ADDITIONAL OUTER TENSION
INNER TENSION	INNER TENSION	ADDITIONAL OUTER TENSION
CORE	INNER TENSION	INNER TENSION
CORE	CORE	INNER TENSION
CORE	CORE	CORE
CORE	CORE	CORE
CORE	CORE	INNER TENSION
CORE	INNER TENSION	INNER TENSION
INNER TENSION	INNER TENSION	ADDITIONAL OUTER TENSION
INNER TENSION	ADDITIONAL OUTER TENSION	ADDITIONAL OUTER TENSION
OUTER TENSION	OUTER TENSION	OUTER TENSION

NOTES:
1. ONE HOUR RATED BEAMS WILL HAVE (2) CORE LAMINATIONS REMOVED. (2) ADDITIONAL OUTER TENSION LAMINATIONS WILL BE ADDED AND THE TENSION ZONE MOVED INWARD, RESULTING IN THE SAME TOTAL NUMBER OF LAMINATIONS.
2. TWO HOUR RATED BEAMS WILL HAVE (4) CORE LAMINATIONS REMOVED. (4) ADDITIONAL OUTER TENSION LAMINATIONS WILL BE ADDED AND THE TENSION ZONE MOVED INWARD, RESULTING IN THE SAME TOTAL NUMBER OF LAMINATIONS.
3. SEE ANSI 117-2020 FOR MORE INFORMATION ON LAMINATION GRADES.

6 MODIFICATIONS TO CHAR CALCULATED GLULAMS WITH BOTTOM OF BEAMS EXPOSED TO FIRE
NO SCALE

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

STONEWOOD
STRUCTURAL ENGINEERS
2001 NW 19th Ave STE 103A
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PUYALLUP BELL PLACE

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PUYALLUP, WA 98371

PROJECT NO.: 25-063
DRAWN: AAS
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION:	DESCRIPTION:

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BUILDING PERMIT SET

SHEET TITLE:
MISCELLANEOUS FRAMING DETAILS

SHEET NO.:
S505

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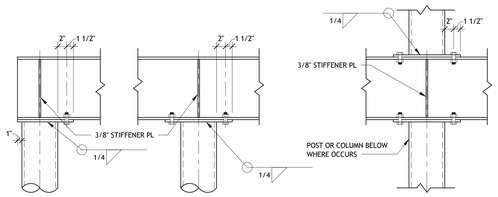
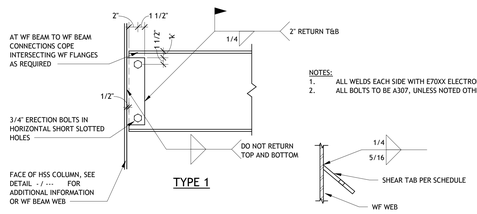


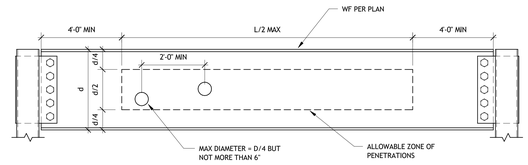
END BEARING PLATE INTERMEDIATE BEARING PLATE BASE BEARING PLATE

1 TOP BEARING STEEL BEAM TO STEEL COLUMN
1" = 1'-0"



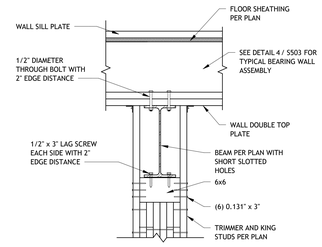
TYPE 1 SKEWED SHEAR TAB

2 TYPICAL WF BEAM CONNECTION
1" = 1'-0"



ALLOWABLE PENETRATION CRITERIA ONLY ALLOWABLE AT SIMPLY SUPPORTED BEAMS, NOT CANTILEVERED BEAMS. FOR CANTILEVERED AND ATYPICAL CONDITIONS CONTACT ENGINEER OF RECORD.

3 ALLOWABLE SIMPLY SUPPORTED WF PENETRATIONS
1" = 1'-0"



6 WF BEAM TO PERPENDICULAR BUILT UP STUD
1" = 1'-0"

7 JOISTS TO PRIMARY FRAME WF
1" = 1'-0"

C2K
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BUILDING PERMIT SET

SHEET TITLE:
STEEL FRAMING DETAILS

SHEET NO.:
S506

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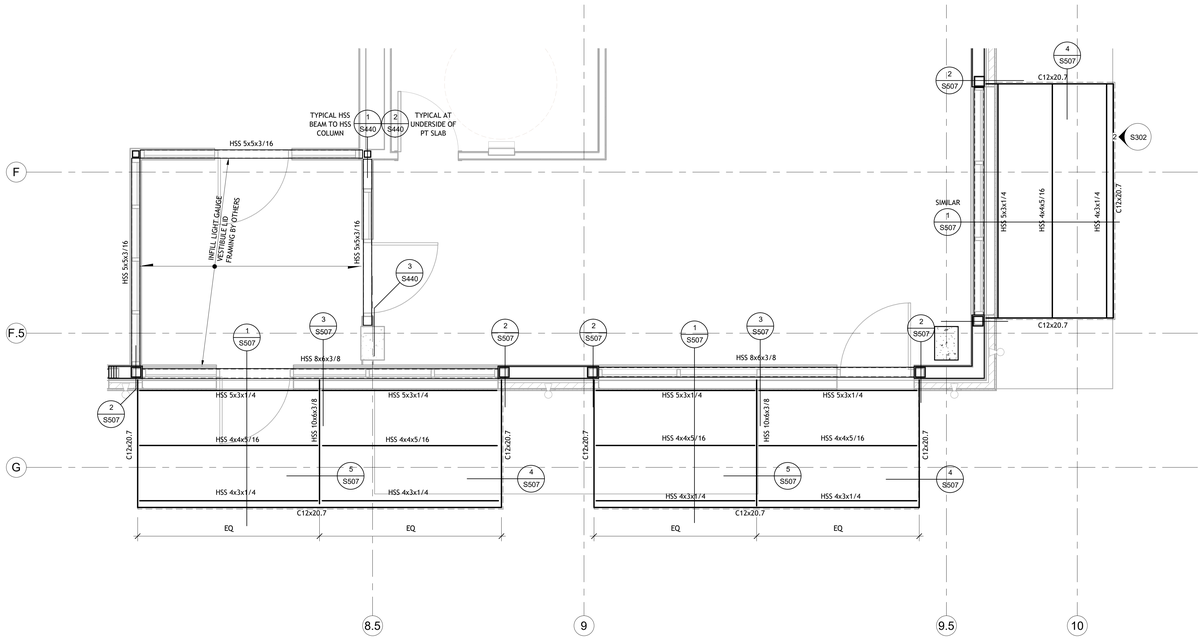
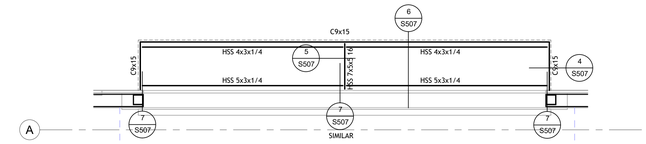
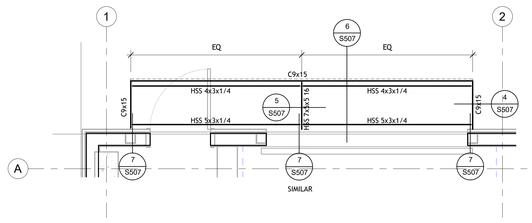


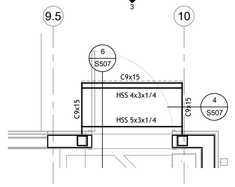
A PARTIAL PLAN AT ENTRY CANOPIES
3/8" = 1'-0"



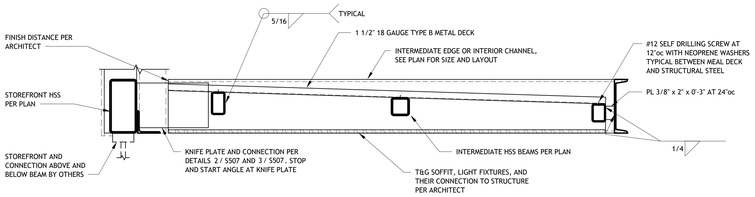
B PARTIAL PLAN AT GARAGE OVERHEAD DOOR
3/8" = 1'-0"



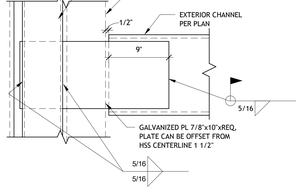
C PARTIAL PLAN AT GARAGE OVERHEAD DOOR
3/8" = 1'-0"



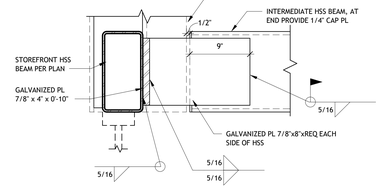
D PARTIAL PLAN AT GARAGE OVERHEAD DOOR
3/8" = 1'-0"



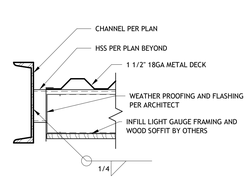
1 TYPICAL CANOPY SECTION AT SW CORNER
1" = 1'-0"



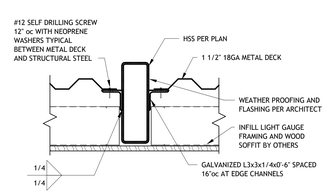
2 EDGE CANOPY CHANNEL TO HSS POST
1 1/2" = 1'-0"



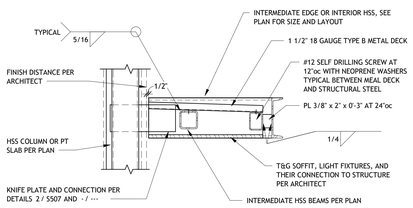
3 CANOPY HSS TO HSS BEAM
1 1/2" = 1'-0"



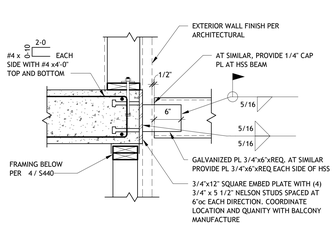
4 SECTION AT SIDE CHANNEL (TYPICAL)
1 1/2" = 1'-0"



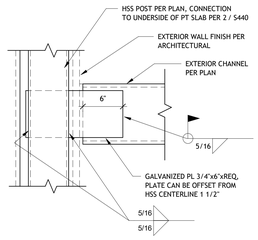
5 SECTION AT INTERMEDIATE CANOPY HSS
1 1/2" = 1'-0"



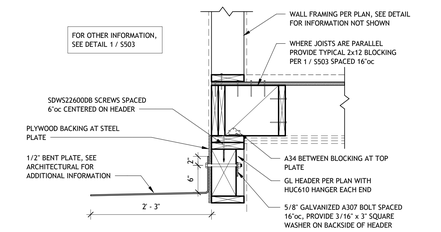
6 TYPICAL CANOPY SECTION AT NORTH ELEVATION
1" = 1'-0"



7 CANOPY KNIFE PLATE TO PT SLAB
1" = 1'-0"



8 EDGE CANOPY CHANNEL TO HSS POST
1 1/2" = 1'-0"



9 SECTION AT FLAT PLATE CANOPY
1" = 1'-0"

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503 444 2200

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Portland, OR 97209
360.216.1704
www.stonewoodstructural.com

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW PUYALLUP, WA 98371

PROJECT NO.: 25-063
DRAWN: AAS
DATE: 20 MARCH 2026
BUILDING PERMIT SET
REVISION: DESCRIPTION:

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BUILDING PERMIT SET

SHEET TITLE:
CANOPY PLANS AND DETAILS

SHEET NO.:
S507

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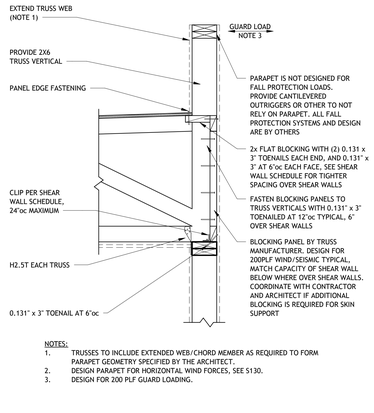
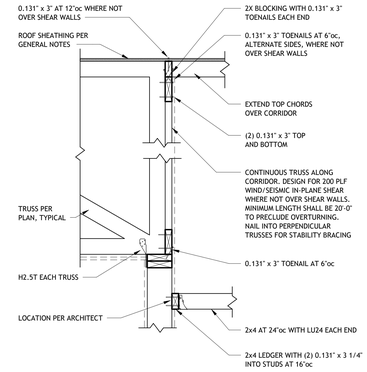
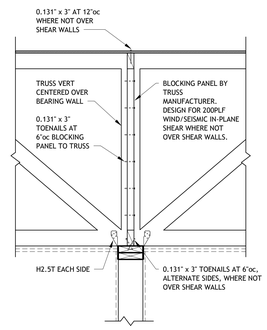


NOTES:
1. TRUSSES TO INCLUDE EXTENDED WEB/CHORD MEMBER AS REQUIRED TO FORM PARAPET GEOMETRY SPECIFIED BY THE ARCHITECT.
2. DESIGN PARAPET FOR HORIZONTAL WIND FORCES, SEE S130.
3. DESIGN FOR 200 PLF GUARD LOADING.

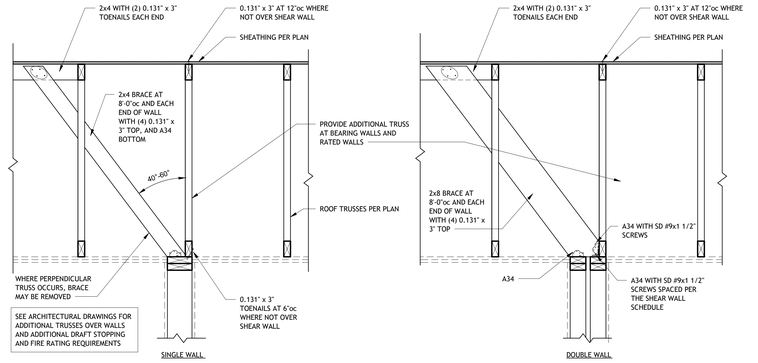
1 TRUSS AT EXTERIOR WALL
1" = 1'-0"



2 TRUSS AT CORRIDOR WALL
1" = 1'-0"



3 TRUSS TO BEARING WALL
1" = 1'-0"



4 PARALLEL TRUSS AT RATED WALLS
1" = 1'-0"

5 GIRDER TRUSS UPLIFT CONNECTION
1" = 1'-0"

6 GIRDER TRUSS UPLIFT CONNECTION AT HEADER
1" = 1'-0"

7 PERPENDICULAR TRUSS AT 2HR WALL OVER-RUN
1" = 1'-0"

8 PERPENDICULAR TRUSS AT 2HR WALL
1" = 1'-0"

9 PARALLEL TRUSS AT 2HR WALL OVER-RUN
1" = 1'-0"

10 PARALLEL TRUSS AT 2HR WALL
1" = 1'-0"

11 PARAPET FRAMING AT PARALLEL TRUSSES
1" = 1'-0"

NOTES:
1. TRUSSES TO INCLUDE EXTENDED WEB/CHORD MEMBER AS REQUIRED TO FORM PARAPET GEOMETRY SPECIFIED BY THE ARCHITECT.
2. DESIGN PARAPET FOR HORIZONTAL WIND FORCES, SEE S1.30.
3. DESIGN FOR 200 PLF GUARD LOADING.

12 TRUSS AT EXTERIOR BRICK BEARING WALL
1" = 1'-0"

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www.stonewoodstructural.com

PUYALLUP BELL PLACE

OWNER:
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PUYALLUP, WA 98371

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BUILDING PERMIT SET

SHEET TITLE:
ROOF FRAMING DETAILS (BEARING)

SHEET NO.:
S510

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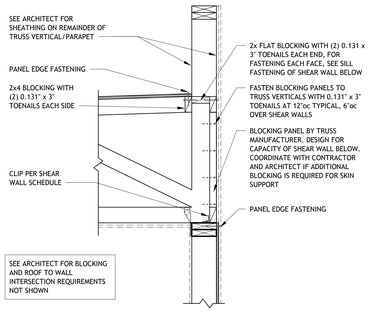
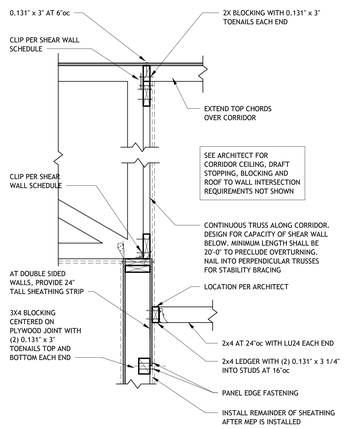
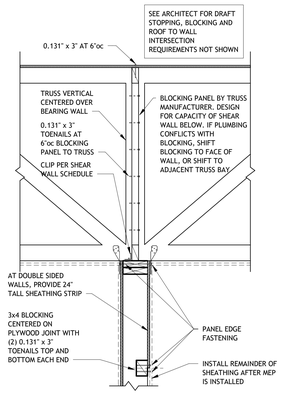


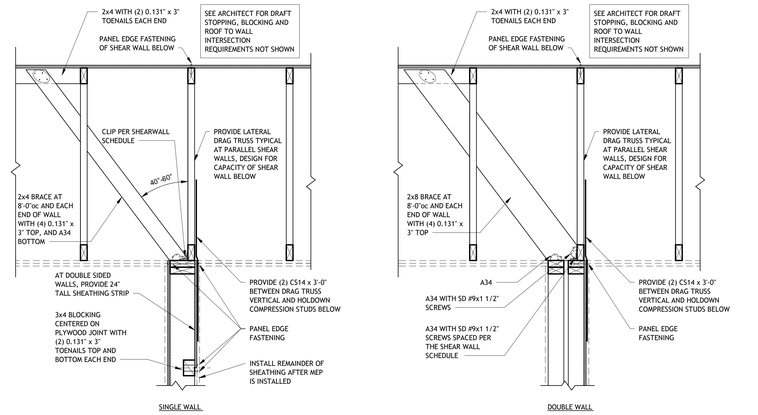
1 TRUSS AT EXTERIOR SHEAR WALL
1" = 1'-0"



2 TRUSS AT CORRIDOR SHEAR WALL
1" = 1'-0"



3 PERPENDICULAR TRUSS AT SHEAR WALL
1" = 1'-0"



4 PARALLEL TRUSS AT SHEAR WALL
1" = 1'-0"

5 PARALLEL TRUSS AT 2HR SHEAR WALL
1" = 1'-0"

6 PERPENDICULAR TRUSS AT 2HR SHEAR WALL
1" = 1'-0"

7 PERPENDICULAR TRUSS AT 2HR SHEAR WALL OVER-RUN
1" = 1'-0"

8 PARALLEL TRUSS AT 2HR SHEAR WALL OVER-RUN
1" = 1'-0"

9 ROOF FIRE WALL PERPENDICULAR
1" = 1'-0"

10 ROOF FIRE WALL PARALLEL
1" = 1'-0"

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BUILDING PERMIT SET

SHEET TITLE:
ROOF FRAMING DETAILS (SHEAR)

SHEET NO.:
S511

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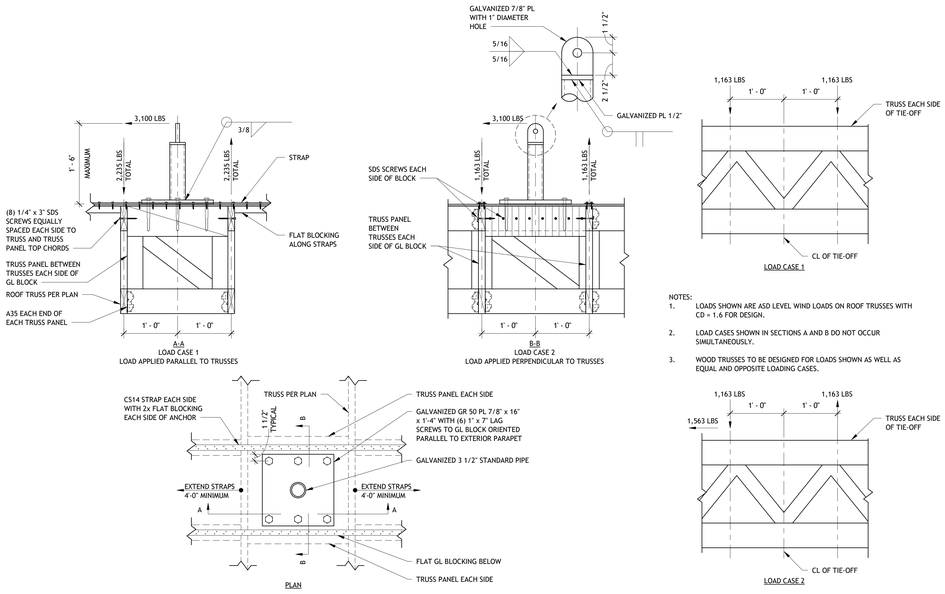
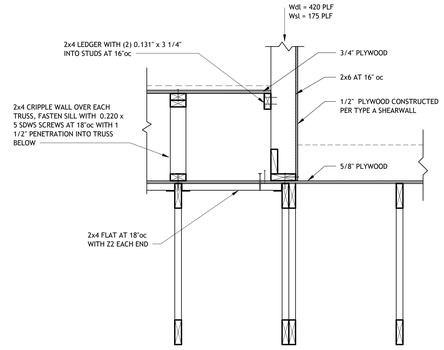
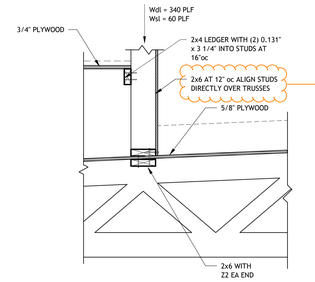


1 ROOF TIE-OFF
1" = 1'-0"



2 TYPICAL WALL ABOVE GIRDER TRUSS
1" = 1'-0"



Trusses are noted @ 24 inches on center, but wall framing is notated @ 12 inches on center and shall be directly over trusses. Do the trusses need to be 12 inches on center? (Construction Set, Sheet S512, Detail 3)

3 TYPICAL WALL ABOVE TRUSS
1" = 1'-0"

4 TYPICAL BALCONY POST TO ROOF TRUSS
1" = 1'-0"

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360.216.1704
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PUYALLUP BELL PLACE

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PUYALLUP, WA 98371

PROJECT NO.: 25-063
DRAWN: AAS
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BUILDING PERMIT SET

SHEET TITLE:
MISCELLANEOUS ROOF DETAILS

SHEET NO.:
S512

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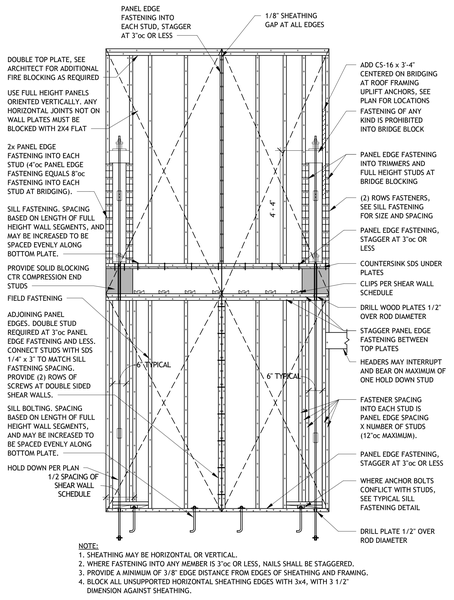
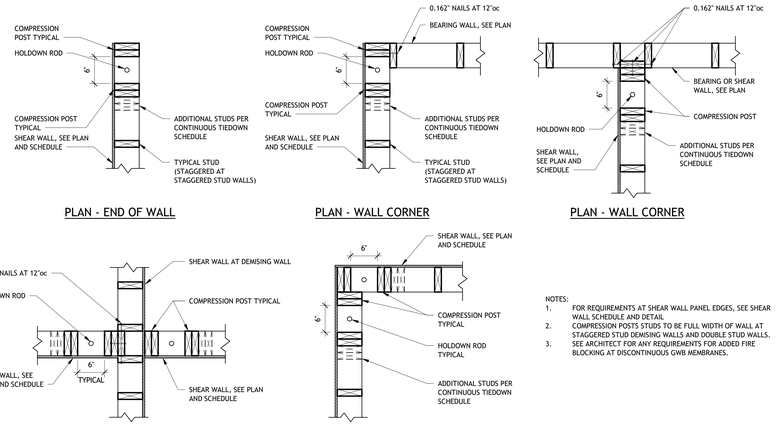


NOTE:
1. SHEATHING MAY BE HORIZONTAL OR VERTICAL.
2. WHERE FASTENING INTO ANY MEMBER IS 3"oc OR LESS, NAILS SHALL BE STAGGERED.
3. PROVIDE A MINIMUM OF 3/8" EDGE DISTANCE FROM EDGES OF SHEATHING AND FRAMING.
4. BLOCK ALL UNSUPPORTED HORIZONTAL SHEATHING EDGES WITH 3x4, WITH 3 1/2" DIMENSION AGAINST SHEATHING.

1 TYPICAL MODIFIED BALLOON FRAMED SHEAR WALL
1/2" = 1'-0"



2 TYPICAL SHEAR WALL END DETAILS
1" = 1'-0"

NOTES:
1. FOR REQUIREMENTS AT SHEAR WALL PANEL EDGES, SEE SHEAR WALL SCHEDULE AND DETAIL.
2. COMPRESSION POSTS STUDS TO BE FULL WIDTH OF WALL AT STAGGERED STUD DEMISING WALLS AND DOUBLE STUD WALLS. SEE ARCHITECT FOR ANY REQUIREMENTS FOR ADDED FIRE BLOCKING AT DISCONTINUOUS GWB MEMBRANES.
3.

ANCHOR TIEDOWN SYSTEM GENERAL NOTES
1. SHEAR WALLS SHALL BE SUPPORTED WITH A BEARING PLATE AND NUT AT EVERY STORY LEVEL. SKIPPING SHEAR WALL OVERTURNING RESTRAINT AT ANY LEVEL IS NOT PERMITTED.

2. SHRINKAGE COMPENSATION DEVICES SHALL BE USED TO ACCOUNT FOR THE SHRINKAGE AT EACH LEVEL.

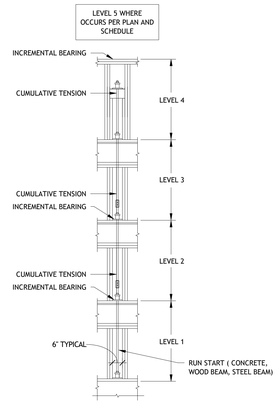
3. ANCHOR BOLTS SHALL NOT BE IN CONTACT WITH PRESSURE TREATED WOOD (PTW). PTW PLATES SHALL HAVE OVERSIZE HOLES 1/4 INCH MINIMUM AND 3/8 INCH MAXIMUM LARGER THAN ROD SIZE. AS AN ALTERNATE, THE ANCHOR SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A653

4. DO NOT WELD PRODUCTS UNLESS THESE DRAWINGS SPECIFICALLY IDENTIFY A PRODUCT AS ACCEPTABLE FOR WELDING.

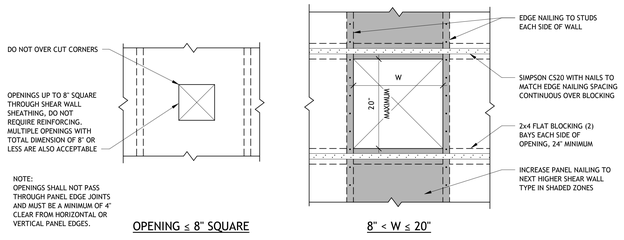
5. HOLDOWN SUPPLIER SHALL SUPPLY CURRENT ICC-ES EVALUATION REPORTS FOR ALL COMPONENTS IN THEIR SYSTEM.

PROJECT DETAILS
SHRINKAGE PER FLOOR:
☐ SOLID SAWN FLOOR = 0.5"/FLOOR
☒ FLOOR TRUSS = 0.5"/FLOOR
☐ I-JOIST = 0.375"/FLOOR

ELONGATION LIMIT PER LEVEL: 0.25" INCHES



3 ATS ELEVATION
3/8" = 1'-0"



4 TYPICAL PENETRATION IN SHEAR WALL SHEATHING
1" = 1'-0"

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PUYALLUP BELL PLACE

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PROJECT NO.: 25-063
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BUILDING PERMIT SET

SHEET TITLE:
SHEAR WALL DETAILS

SHEET NO.:
S520

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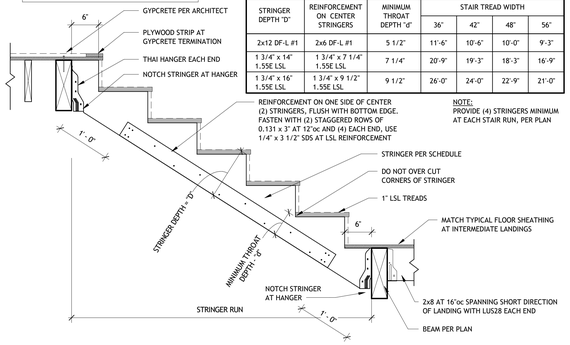
SEE ARCHITECT FOR GWB CEILINGS AND FIRE BLOCKING AT TOP AND BOTTOM OF STRINGERS

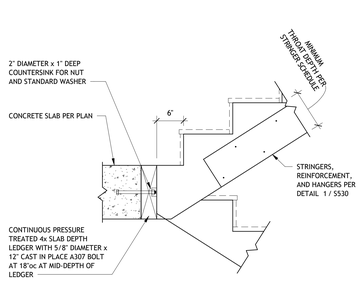
MAXIMUM STRINGER RUN SCHEDULE

STRINGER DEPTH "D"	REINFORCEMENT ON CENTER STRINGERS	MINIMUM THROAT DEPTH "d"	STAIR TREAD WIDTH			
			36"	42"	48"	56"
2x12 DF-L #1	2x6 DF-L #1	5 1/2"	11'-6"	10'-6"	10'-0"	9'-3"
1 3/4" x 14" 1.55E LSL	1 3/4" x 7 1/4" 1.55E LSL	7 1/4"	20'-9"	19'-3"	18'-3"	16'-9"
1 3/4" x 16" 1.55E LSL	1 3/4" x 9 1/2" 1.55E LSL	9 1/2"	26'-0"	24'-0"	22'-9"	21'-0"

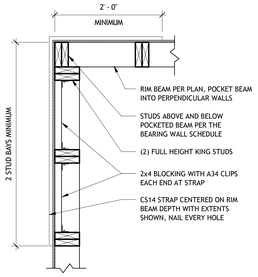
NOTE:
PROVIDE (4) STRINGERS MINIMUM AT EACH STAIR RUN, PER PLAN



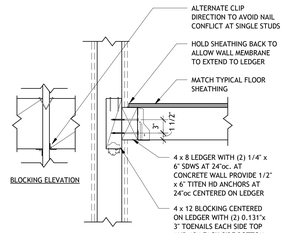
1 TYPICAL WOOD STAIR STRINGERS
1" = 1'-0"



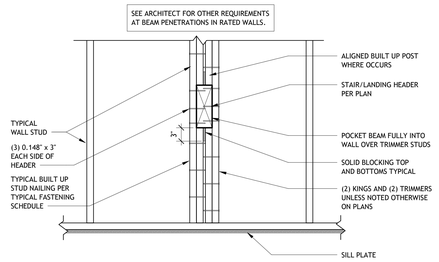
2 STAIR STRINGER TO CONCRETE SLAB BELOW
1" = 1'-0"



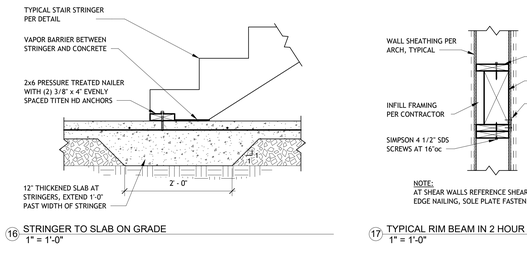
3 STAIR RIM BEAM TO PERPENDICULAR WALLS
1" = 1'-0"



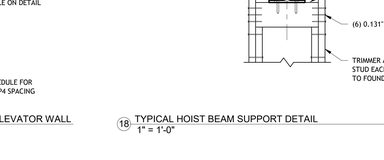
4 INTERMEDIATE LANDING JOISTS
1" = 1'-0"



5 TYPICAL POST SUPPORT AT INTERMEDIATE STAIR LANDINGS
1" = 1'-0"



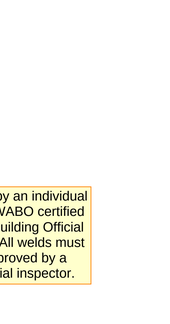
6 TYPICAL SECTION AT STAIR WELL
1" = 1'-0"



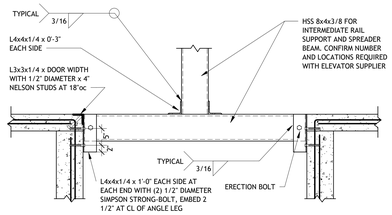
7 STAIR HANDRAIL ANCHORAGE
1" = 1'-0"

8 RIM BOARD TO LEDGER AT STAIRS
1" = 1'-0"

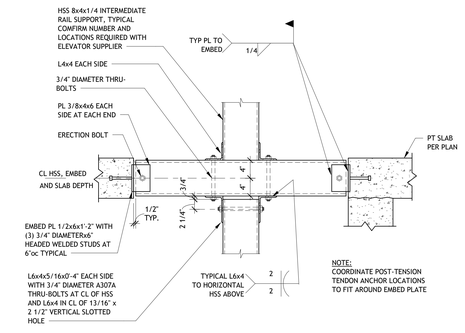
9 RIM BOARD TO RIM BOARD AT STAIRS
1" = 1'-0"



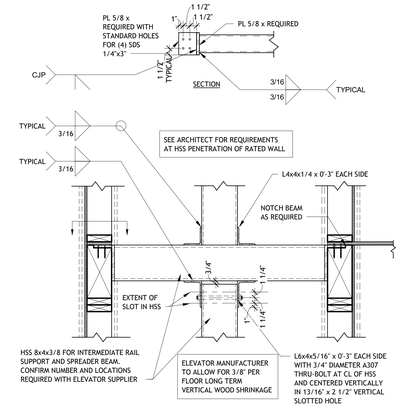
10 GUARD RAIL AROUND STAIRS
1" = 1'-0"



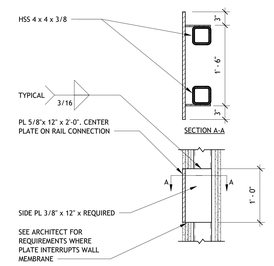
11 SPREADER BEAM AT ELEVATOR PIT
3/4" = 1'-0"



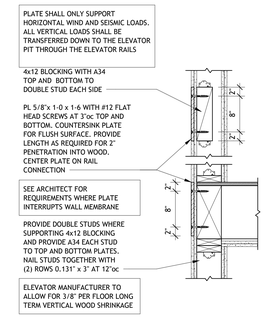
12 SECTION AT ELEVATOR RAIL SUPPORT TO PT SLAB/CONCRETE SHEAR WALL
1" = 1'-0"



13 SPREADER BEAM TO WOOD
1" = 1'-0"



14 ELEVATOR CONNECTION AT HSS
1" = 1'-0"



15 PLATE TO WOOD FOR HORIZONTAL ELEVATOR LOADS
1" = 1'-0"

16 STRINGER TO SLAB ON GRADE
1" = 1'-0"

17 TYPICAL RIM BEAM IN 2 HOUR STAIR/ELEVATOR WALL
1" = 1'-0"

18 TYPICAL HOIST BEAM SUPPORT DETAIL
1" = 1'-0"

Welding to be done by an individual or fabricator who is WABO certified or approved by the Building Official to perform the work. All welds must be inspected and approved by a WABO certified special inspector.

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

STONEWOOD
STRUCTURAL ENGINEERS
2001 NW 19th Ave STE 103A
Portland, OR 97209
360.216.1704
www.stonewoodstructural.com

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25-063
DRAWN: AAS
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION:	DESCRIPTION:

REPRODUCTION OF THIS DRAWING IS EXPRESSLY FORBIDDEN WITHOUT THE SPECIFIC WRITTEN PERMISSION OF C2K ARCHITECTURE INC. THIS DRAWING IS ONLY CONDITIONALLY ISSUED, AND NEITHER RECEIPT OR POSSESSION THEREOF CONFERS OR TRANSFERS ANY RIGHT TO, OR LICENSE TO, USE THE SUBJECT MATTER OF THIS DRAWING OR ANY TECHNICAL INFORMATION SHOWN THEREON, NOR ANY RIGHT TO REPRODUCE THIS DRAWING OR PART THEREOF, WITHOUT THE WRITTEN AUTHORIZATION OF C2K ARCHITECTURE INC.

BUILDING PERMIT SET

SHEET TITLE:
STAIR DETAILS

SHEET NO.:
S530

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3/18/2026 3:48:48 PM

LIST OF DRAWINGS

M001	MECHANICAL LEGEND AND NOTES
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M003	MECHANICAL NOTES
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M302	FLOOR 2 - PLUMBING PLAN
M303	FLOORS 3-5 - PLUMBING PLAN
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M322	ENLARGED PLUMBING PLAN - FLOOR 2 (EAST)
M323	ENLARGED PLUMBING PLAN - FLOOR 3-5 (WEST)
M324	ENLARGED PLUMBING PLAN - FLOOR 3-5 (EAST)
M331	PLUMBING DETAILS
M332	PLUMBING DETAILS
M333	PLUMBING DETAILS
M411	ENLARGED HVAC PLAN - FLOOR 1 (WEST)
M412	ENLARGED HVAC PLAN - FLOOR 1 (EAST)
M413	ENLARGED HVAC PLAN - FLOOR 2 (WEST)
M414	ENLARGED HVAC PLAN - FLOOR 2 (EAST)
M415	ENLARGED HVAC PLAN - FLOOR 3-5 (WEST)
M416	ENLARGED HVAC PLAN - FLOOR 3-5 (EAST)
M417	ENLARGED ROOF PLAN - HVAC - (WEST)
M418	ENLARGED ROOF PLAN - HVAC - (EAST)
M421	MECHANICAL DETAILS
M422	MECHANICAL DETAILS

HVAC GENERAL NOTES

1. CONTRACTOR SHALL CAREFULLY COORDINATE WORK W/ ALL OTHER TRADES, ESPECIALLY IN CEILING SPACES WHERE SPACE IS TIGHT. SHEET METAL CONTRACTOR SHALL HAVE PRIORITY OVER OTHER TRADES IN CEILING SPACE WHERE CONFLICTS OCCUR.
2. ALL DUCTWORK SHOWN IS SCHEMATIC, CONTRACTOR SHALL PROVIDE ALL OFFSETS/ELBOWS AS REQ'D TO ALLOW ROUTING AROUND STRUCTURE, ELECTRICAL, & OTHER INTERFERENCES.
3. PLANS ARE SCHEMATIC AND DO NOT SHOW EVERY OFFSET REQUIRED, PRIOR TO COMMENCING ROUGH-IN, COORDINATE WITH ALL TRADES FOR CLEARANCE REQUIREMENTS. OFFSETS ARE REQUIRED TO ACCOMODATE BUILDING FRAMING & OTHER ELEMENTS OF CONSTRUCTION.
4. DUCTS SHALL BE CONSTRUCTED TO 1" PRESSURE CLASS & SEAL CLASS C (UNO).
5. DUCT WORK SHALL BE GALVANIZED STEEL, PER CODE & SMACNA DUCT CONSTRUCTION STANDARDS.
6. WALL CAPS SHALL BE GALVANIZED STEEL OR ALUMINUM, W/ FINISH PER ARCHITECT/ OWNER.
7. THESE DRAWINGS ARE PROVIDED FOR PERMIT PURPOSE. FINAL INSTALLATION DESIGN IS BY THE CONTRACTOR.
8. EXHAUST OUTLETS SHALL BE LOCATED MINIMUM 3' AWAY FROM OPERABLE OPENINGS & 10' FROM MECHANICAL INTAKES.
9. LOCATE ITEMS FOR ADA ACCESS AT ADA UNITS.

VENTILATION CODE NOTES

A. VENTILATION IS BEING PROVIDED BY THE USE OF "WHOLE HOUSE MECHANICAL VENTILATION SYSTEM" PER IMC 403.4 & LOCAL EXHAUST FANS PER IMC 403.4.7.

1. AN ERV SHALL BE USED AS THE WHOLE HOUSE VENTILATION FAN (WITH CONTINUOUS OPERATION) WITH ENERGY RECOVERY PER THE IMC AND WSEC.
2. SYSTEM SHALL BE BALANCED TYPE PER IMC.

B. MINIMUM VENTILATION PERFORMANCE (PER 2021 IMC, WASHINGTON STATE AMENDMENTS, TABLE 403.4.2):

BEDRMS	SF	OA CFM	ADJUSTMENT	FACTOR	ADJUSTED CFM	CFM USED
1	500-1000	30	NOT DISTRIBUTED	1.25	37.5	50
2	500-1000	35	NOT DISTRIBUTED	1.25	43.75	50

PLUMBING GENERAL NOTES

1. PIPING MATERIAL SCHEDULE:

PIPING	LOCATION	MATERIAL	JOINT
COLD WATER	MAINS	TYPE L COPPER	SOLDER OR "PRESS-FIT"
COLD WATER	IN APTS	PEX	MECHANICAL
HOT WATER	IN APTS	PEX	MECHANICAL
CW & HW - HEAT TRACED	GARAGE	TYPE L COPPER	SOLDER OR "PRESS-FIT"
WASTE	ALL	PVC - DWV	SOLVENT CEMENT
VENT	ALL	PVC - DWV	SOLVENT CEMENT
CONDENSATE DRAIN	ALL	PVC - PP OR DWV	SOLVENT CEMENT
STORM WATER	ALL	PVC	SOLVENT CEMENT
PUMPED WASTE	ALL	PVC - PP - SCHEDULE 40	SOLVENT CEMENT

2. PIPING INSULATION SCHEDULE:

PIPING TYPE	PIPE SIZE	INSULATION TYPE	INSULATION THICKNESS	CONDUCTIVITY BTU-IN/HR-SF-°F
COLD WATER (ABOVEGROUND)	>1"	RUBATEX	1/2"	0.265
HOT WATER & HWC	ALL	RUBATEX	1/2"	0.265
RG PIPING	ALL	RUBATEX	1/2"	0.265

ALL PIPING INSULATION AND COVERINGS SHALL HAVE AN ASTM FLAME SPREAD RATING OF 25 OR LESS AND AN ASTM SMOKE DEVELOPED RATING OF 50 OR LESS. REFRIGERANT PIPING AND INSULATION EXPOSED TO OUTDOORS SHALL BE PROTECTED BY METAL JACKETING

3. PRIOR TO ROUGH-IN FOR ALL PLUMBING FIXTURES, VERIFY FIXTURE LOCATIONS, FIXTURE MOUNTING HEIGHT AND ROUGH-IN LOCATIONS WITH ARCHITECTURAL FLOOR PLANS AND ARCHITECTURAL INTERIOR ELEVATIONS.
4. PLANS ARE SCHEMATIC AND DO NOT SHOW EVERY OFFSET REQUIRED, PRIOR TO COMMENCING ROUGH-IN, COORDINATE WITH ALL TRADES FOR CLEARANCE REQUIREMENTS. OFFSETS ARE REQUIRED TO ACCOMMODATE BUILDING FRAMING & OTHER ELEMENTS OF CONSTRUCTION.
5. MATERIALS, METHODS AND INSTALLATION SHALL COMPLY WITH CODE.
6. PIPING PENETRATIONS OF FIRE RATED WALLS OR FLOORS SHALL BE SLEEVED AND FIRE STOPPED WITH LISTED MATERIALS SO AS TO MAINTAIN THE INTEGRITY AND RATING OF THE FLOOR OR WALL.
7. PROVIDE DIELECTRIC CONNECTIONS BETWEEN DISSIMILAR METALS.
8. INSTALL CLEANOUTS PER CODE AND TO BE EASILY ACCESSIBLE.
9. PROVIDE MEANS TO ACCOMMODATE PIPING SYSTEM EXPANSION AND CONTRACTION.
10. VERIFY SPACE AVAILABLE FOR ALL PLUMBING & ALL ROUTING. THIS DESIGN IS PRELIMINARY ONLY & REQUIRES FINAL REVIEW SIZING CHECK, COORDINATION BY THE INSTALLING PLUMBER. SOME WASTE PIPES MAY REQUIRE 1% SLOPE & CORRESPONDING PIPE SIZE ADJUSTMENTS.
11. PIPE ALL WATER HEATER RELIEF VALVES TO SAFE POINT OF DISCHARGE PER CODE.
12. PROVIDE VALVE BOX AT REFRIGERATORS FOR ICE MAKER; MAY BE FED FROM ADJACENT FIXTURE.
13. DISHWASHER TO BE SERVED OFF HW TO ADJACENT SINK, PROVIDE AIRGAP FITTING IN DRAIN DISCHARGE PER CODE.
14. THESE DRAWINGS ARE PROVIDED FOR PERMIT PURPOSES. FINAL INSTALLATIONS' DESIGN DETAILING IS BY THE CONTRACTOR.
15. INSTALL ALL PIPING CONCEALED UNLESS NOTED OTHERWISE.
16. PROVIDE WATER LINES TO SERVE ALL TRAP PRIMERS, WITH ISOLATION VALVE IN CW LINE.
17. OBTAIN REFRIGERATION PIPE SIZES FROM EQUIPMENT MANUFACTURERS.
18. COORDINATE W/ ELECTRICAL CONTRACTOR, LOCATIONS & POWER WIRING REQUIREMENTS FOR ALL ITEMS REQUIRING POWER.
19. DOMESTIC CW PIPE SIZING IS PER 2021 UNIFORM PLUMBING CODE, APPENDIX M.

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
	WASTE OR SOIL (W)
PW	PUMPED WASTE (PW)
	VENT (V)
CW	COLD WATER (CW)
HW	HOT WATER (HW)
C	CONDENSATE DRAIN (C)
RG/RL	REFRIGERANT GAS / LIQUID (RG/RL)
RL	RAIN LEADER (RL)
ORL	OVERFLOW RAIN LEADER (ORL)
	FLOOR CLEANOUT (FCO)
	VALVE
	CHECK VALVE
	STRAINER WITH BLOW-OFF VALVE
	PIPE UP
	PIPE DOWN
	PIPE TEE IN LINE, BRANCH PIPE DOWN
	UNION
	RELIEF VALVE
	CONCENTRIC REDUCER
	HOSE BIBB
	THERMOMETER
	ELBOW W/ TURNING VANES
	DUCT UP (RECTANGULAR)
	DUCT UP (RECTANGULAR)
	DUCT DOWN (RECTANGULAR)
	DUCT DOWN (RECTANGULAR)
	DUCT UP (ROUND)
	DUCT DOWN (ROUND)
∅	ROUND DUCT
S	SWITCH
T	THERMOSTAT
M	WATER METER
L	PLUMBING FIXTURE (SEE SCHEDULE M002 FOR TYPE)
	1-1/2" CW (35) / WSFU'S (FOR CW & HW) / DFU'S (FOR W & V) / SERVICE / PIPE SIZE
A / P300	DETAIL IDENTIFICATION NUMBER / SHEET ON WHICH DETAIL IS SHOWN

SYMBOL	DESCRIPTION
AHJ	AUTHORITY HAVING JURISDICTION
APT	APARTMENT
APPROX	APPROXIMATELY
ARCH	ARCHITECTURAL
AUTO	AUTOMATIC
BDD	BACKDRAFT DAMPER
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT/HOUR
BLDG	BUILDING
CAP	CAPACITY
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CO	CLEANOUT
CONN	CONNECTION
CONT	CONTINUE, CONTINUATION
CW	COLD WATER
DEG F, °F	DEGREE FAHRENHEIT
DIA, Ø	DIAMETER
DN	DOWN
DW	DISHWASHER
DWG	DRAWING
DFU	DRAINAGE FIXTURE UNIT
DB	DRY BULB
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EFF	EFFICIENCY
EOL	END OF LINING
ELEC	ELECTRICAL, ELECTRIC
ESP	EXTERNAL STATIC PRESSURE
EXH	EXHAUST
FD	FLOOR DRAIN
FLEX	FLEXIBLE
FL	FLOOR
FCO	FLOOR CLEAN OUT
FLA	FULL LOAD AMPS
GAL	GALLON
GALV	GALVANIZED
HSPF	HEATING SEASONAL PERFORMANCE FACTOR
HW	HOT WATER
IN	INCH
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MID	MIDDLE
MIN	MINIMUM
NO	NUMBER
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
ORL	OVERFLOW RAIN LEADER
PD	PRESSURE DROP
PP	PRESSURE PIPE
PH	PHASE
REF	REFERENCE
REQ'D	REQUIRED
RG	REFRIGERATION GAS
RL	REFRIGERATION LIQUID, RAIN LEADER
RM	ROOM
SCO	SURFACE CLEANOUT
SS	SANITARY SEWER
TEMP	TEMPERATURE
TYP	TYPICAL
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
UPC	UNIFORM PLUMBING CODE
VTR	VENT THROUGH ROOF
V	VENT
W	WASTE
WSFU	WATER SUPPLY FIXTURE UNIT
W/	WITH
WA	WATT
WB	WET BULB
WCO	WALL CLEAN OUT
WSEC	WASHINGTON STATE ENERGY CODE

NOTE: FOR DESCRIPTION OF OTHER ABBREVIATIONS SEE SCHEDULES AND ABBREVIATIONS LISTED IN UPC.

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

HULTZ BHU engineers inc
1111 Fawcett Ave Suite 100 Tacoma, WA 98402
Phone: (253) 383-3257 Fax: (253) 383-3283
general@hultzbhu.com Job Number: 25-132

SIGNED
03-18-2026

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: Author
DATE: 20 MARCH 2026
BUILDING PERMIT SET
REVISION: DESCRIPTION:

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BUILDING PERMIT SET

SHEET TITLE:
MECHANICAL LEGEND AND NOTES

SHEET NO.:
M001

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ELECTRIC HEATER SCHEDULE

SYMBOL	BASIS OF DESIGN MANUFACTURER AND SERIES NO.	TYPE	AREA / UNIT SERVED	CFM	NOMINAL SIZE	ELECTRICAL		REMARKS
						WATTS	VOLTS/PH	
DH-1	INDEECO QUA	DUCT HEATER	ERV-1	800	14" x 14"	7000	208/1	W/ SCR CONTROL AND DUCT MOUNTED TEMP SENSOR SET @ 65°F
DH-2	INDEECO QUA	DUCT HEATER	ERV-2	400	10" x 10"	3500	208/1	W/ SCR CONTROL AND DUCT MOUNTED TEMP SENSOR SET @ 65°F
DH-3	INDEECO QUA	DUCT HEATER	ERV-3	400	10" x 10"	3500	208/1	W/ SCR CONTROL AND DUCT MOUNTED TEMP SENSOR SET @ 65°F
EWH-1	QMARK CWH SERIES	WALL HEATER	ENTRY VESTIBULE 100	65	-	1000	115/1	W/ INTEGRAL THERMOSTAT, RECESSED
EWH-2	QMARK CWH SERIES	WALL HEATER	VEST 104	65	-	500	115/1	W/ INTEGRAL THERMOSTAT, RECESSED
EWH-3	QMARK CWH SERIES	WALL HEATER	VEST 110	65	-	500	115/1	W/ INTEGRAL THERMOSTAT, RECESSED
EWH-4	QMARK AWH SERIES	WALL HEATER	STAIR 1 S101	65	-	1500	208/1	W/ INTEGRAL THERMOSTAT, RECESSED
EWH-5	QMARK AWH SERIES	WALL HEATER	STAIR 2 S102	65	-	1500	208/1	W/ INTEGRAL THERMOSTAT, RECESSED
EWH-6	QMARK AWH SERIES	WALL HEATER	FIRE 112	65	-	1500	208/1	W/ INTEGRAL THERMOSTAT, RECESSED
EWH-750*	QMARK GFR SERIES	WALL HEATER	BEDROOM	50	-	750	115/1	W/ INTEGRAL THERMOSTAT, RECESSED
UH-1A	BERKO HUHAA SERIES	UNIT HEATER	WASTE 113	350	-	3000	208/1	W/ INTEGRAL THERMOSTAT, SUMMER FAN SWITCH, MOUNTING BRACKET
UH-1B	BERKO HUHAA SERIES	UNIT HEATER	WASTE 113	350	-	3000	208/1	W/ INTEGRAL THERMOSTAT, SUMMER FAN SWITCH, MOUNTING BRACKET

* USED IN MULTIPLE LOCATIONS, SEE PLANS FOR QUANTITIES & LOCATIONS.

NOTES:
1. PROVIDE W/ CONTROLS COMPLYING W/ WSEC.
2. COMPLY W/ ADA REQUIREMENTS AT ADA UNITS.

AIR INLET & OUTLET SCHEDULE

SYMBOL	TYPE	MANUFACTURER AND SERIES NUMBER	REMARKS
CD	CEILING DIFFUSER	KRUEGER SERIES SH	LOUVER FACE, SQUARE NECK W/ STRAIGHTENING GRID
CEG	CEILING EXHAUST GRILLE	KRUEGER SERIES EGC-5	1/2"x1/2"x1/2" CUBE CORE
WSG	WALL SUPPLY GRILLE	KEES GHD0 SUPPLY	HORIZ. FACE BARS 1/2" O.C., 0° DEFLECTION
WER	WALL EXHAUST REGISTER	KRUEGER SERIES S580H	HORIZ. FACE BARS 3/4" O.C., 35° DEFLECTION, OBD
TG	TRANSFER GRILLE	SEE NOTE 5 BELOW	
WL	WALL LOUVER	RUSKIN ELF6375DX	EXTRUDED ALUMINUM

NOTES:

1. CEILING DIFFUSERS (CD) SHALL HAVE NO. & DIRECTION OF THROWS AS INDICATED ON PLANS. (E.G. CD-3 = 3 WAY THROW)
2. ALL AIR TERMINALS SHALL HAVE FACTORY FINISH, COLOR AS SELECTED BY ARCHITECT.
3. SEE LEGEND FOR TERMINOLOGY USED IN AIR TERMINAL CALL-OUTS ON DRAWINGS.
4. SEE ARCH. FINISH SCHEDULE FOR CEILING TYPES, PROVIDE AIR TERMINALS TO MATCH CEILING CONSTRUCTION INSTALLED IN
5. TG'S IN CEILING SHALL BE SAME AS CEG, TG'S IN WALLS SHALL BE SAME AS WER.

PLUMBING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	W	V	CW	HW	REMARKS
WC	WATER CLOSET	3"	2"	1/2"	-	FLOOR MOUNT, TANK TYPE, POLISHED CHROME FINISH HANDLE
L	LAVATORY	2"	2"	1/2"	1/2"	DROP-IN, 0.5 GPM MAX, POLISHED CHROME FINISH FAUCET
L1	LAVATORY - PUBLIC	2"	2"	1/2"	1/2"	WALL MOUNT, 0.5 GPM MAX
KS	KITCHEN SINK	2"	2"	1/2"	1/2"	SINGLE BOWL, W/ DISPOSER, 1.5 GPM MAX, SATIN CHROME FINISH FAUCET
TS	TUB/SHOWER	2"	2"	1/2"	1/2"	1.75 GPM MAX, POLISHED CHROME FINISH SHOWERHEAD & VALVE ASSEMBLY
JS	JANITOR SINK	3"	2"	1/2"	1/2"	FLOOR MOUNT
WH	WALL HYDRANT	-	-	3/4"	-	WALL MOUNT, NON-FREEZE
FD	FLOOR DRAIN	2"	2"	-	-	W/ TRAP PRIMER CONNECTION
FF	FUNNEL FLOOR DRAIN	2"	2"	-	-	W/ TRAP PRIMER CONNECTION
FS	FLOOR SINK	6"	3"	-	-	W/ TRAP PRIMER CONNECTION
CW	CLOTHES WASHER BOX	2"	2"	1/2"	1/2"	PROVIDE DRAIN PAN FOR WASHER
R	REFRIGERATOR BOX	-	-	1/2"	-	

NOTES:
1. CONFIRM ALL FIXTURE SELECTIONS WITH OWNER & ARCHITECT FOR UNIFORMITY W/ OTHER FACILITIES & SUITABLE SIZE. VERIFY SPACE AVAILABLE FOR ALL FIXTURES PRIOR TO ORDERING & ROUGH-IN REQUIREMENTS.
2. CONFIRM LEFT HAND/RIGHT HAND CONFIGURATION FOR ALL FIXTURES.
3. ADA ACCESSIBLE SHOWERS SHALL HAVE: 1/2" OR LESS THRESHOLD & SINGLE LEVER SHOWER CONTROLS WITHIN 36" OF THE SHOWER SEAT. HANDHELD SHOWER ASSEMBLY SHALL COMPLY W/ ASME A112.18.1.
4. VERIFY ADA UNITS W/ ARCHITECT. PROVIDE ADA FIXTURES AT ADA UNITS & INSTALL ALL ITEMS TO COMPLY W/ ADA REQUIREMENTS.

HEAT PUMP SCHEDULE - SPLIT SYSTEM TYPE

SYMBOL	BASIS OF DESIGN MANUFACTURER AND SERIES NO.	AREA SERVED	COOLING CAP. *			HEATING CAP. **		A - INDOOR UNIT ***			B - OUTDOOR UNIT ***						FILTERS		MIN OA CFM	MAX OUTDOOR UNIT WEIGHT	MAX INDOOR UNIT WEIGHT	PIPE SIZE ****		REMARKS
			TOTAL MBH	SENSIBLE MBH	EFFICIENCY	MBH	EFFICIENCY	FAN			COMPRESSOR		FAN		ELECTRICAL							RG	RL	
								CFM	ESP	PWR	QTY	RLA (EA)	QTY	PWR	MCA	MOP	VOLTS/PH	TYPE	MIN SF					
HP-3	MITSUBISHI MSZ-GX36NL / MUZ-GX36NL	ELEVATOR SHAFT	33.8	23	18.5 SEER2	35.2	8.5 HSPF2	765	-	56 W	1		1	55 W	23	25	208/1	MFR'S STD	-	-	150	50	5/8"	1/4"	INDOOR UNIT POWERED FROM OUTDOOR UNIT

* COOLING CAPACITY IS AHRI RATING: AT 85° F DB; 66° F WB INDOOR COIL EAT AND 95° F OUTDOOR COIL EAT.
** HEATING CAPACITY IS AHRI HI-TEMP RATING: AT 70° F DB INDOOR EAT AND 47° F DB; 43° F WB OUTDOOR COIL EAT.
*** ON PLANS "A" DESIGNATES INDOOR UNIT, "B" DESIGNATES OUTDOOR UNIT. (E.G. HP-3B IS HP-3 OUTDOOR UNIT).
**** VERIFY REFRIGERANT PIPE SIZING WITH EQUIPMENT MANUFACTURER.

INDOOR HEAT PUMP SCHEDULE

SYMBOL	BASIS OF DESIGN MANUFACTURER AND SERIES NO.	TYPE	AREA SERVED	SERVED BY	CAPACITY (MBH)		CFM	ESP	MIN OA	FILTERS	UNIT ELECTRICAL		MAX WEIGHT LBS	PIPE SIZE *		REMARKS
					COOLING	HEATING				TYPE	MCA	VOLT/PH		RG	RL	
CC-1A	MITSUBISHI SLZ-AF09NL	CEILING CASSETTE 24" x 24"	LOBBY 101	HP-1	9	11	300	-	-	WASHABLE MESH	1	208/1	50	3/8"	1/4"	W/ REMOTE CONTROLLER
CC-1B	MITSUBISHI SLZ-AF09NL	CEILING CASSETTE 24" x 24"	LOBBY 101	HP-1	9	11	300	-	-	WASHABLE MESH	1	208/1	50	3/8"	1/4"	W/ REMOTE CONTROLLER
CC-2A	MITSUBISHI SLZ-AF09NL	CEILING CASSETTE 24" x 24"	OFFICE 102	HP-2	9	11	300	-	-	WASHABLE MESH	1	208/1	50	3/8"	1/4"	W/ REMOTE CONTROLLER
CC-2B	MITSUBISHI SLZ-AF09NL	CEILING CASSETTE 24" x 24"	OFFICE 102	HP-2	9	11	300	-	-	WASHABLE MESH	1	208/1	50	3/8"	1/4"	W/ REMOTE CONTROLLER

NOTES:
1. PROVIDE INDOOR UNITS WITH WIRED THERMOSTATS.

* VERIFY REFRIGERANT PIPE SIZING WITH EQUIPMENT MANUFACTURER.

OUTDOOR HEAT PUMP SCHEDULE

SYMBOL	BASIS OF DESIGN MANUFACTURER AND SERIES NO.	AREA SERVED	COOLING CAP		HEATING CAPACITY		MAX WEIGHT LBS	UNIT ELECTRICAL			REMARKS
			TOTAL MBH	EFF	MBH	EFF		MCA	MOP	VOLTS/PH	
HP-1	MITSUBISHI MXZ-2D20NL	LOBBY 101	20	20 SEER2	24	10 HSPF2	150	21.7	38	208/1	2-PORT W/ SERVICE VALVES
HP-2	MITSUBISHI MXZ-2D20NL	OFFICE 102	20	20 SEER2	24	10 HSPF2	150	21.7	38	208/1	2-PORT W/ SERVICE VALVES

* COOLING CAPACITY IS AHRI RATING: AT 80°F DB; 67°F WB INDOOR COIL EAT AND 95°F OUTDOOR COIL EAT. ** HEATING CAPACITY IS AHRI HI-TEMP RATING: AT 70°F DB INDOOR COIL EAT AND 47°F DB; 43°F WB OUTDOOR COIL EAT.

HEAT PUMP SCHEDULE - PTHP TYPE

SYMBOL	BASIS OF DESIGN MANUFACTURER AND SERIES NO.	AREA SERVED	COOLING CAP. *		HEATING CAP. **		INDOOR FAN		SUPPLEMENTARY HEATER		ELECTRICAL			MIN. OA CFM	MAX. WEIGHT (LBS)	REMARKS
			TOTAL MBH	EFFICIENCY	TOTAL MBH	EFFICIENCY	CFM	ESP	KW	STAGES	MCA	MOP	VOLT/PH			
PTHP-1	AMANA HEH123J	VARIOUS, SHOWN ON PLANS	11.6	12.0 EER	10.9	3.4 COP	330	-	3.0	1	19.5	20	208/1	-	150	W/ AUXILIARY HEAT, ARCHITECTURAL GRILLE, AND WALL SLEEVE
PTHP-2	AMANA HEH152J	VARIOUS, SHOWN ON PLANS	14.4	11.0 EER	14.2	3.1 COP	400	-	4.1	1	27.6	30	208/1	-	150	W/ AUXILIARY HEAT, ARCHITECTURAL GRILLE, AND WALL SLEEVE

* COOLING CAPACITY IS AHRI RATING: AT 80°F DB; 67°F WB INDOOR COIL EAT AND 96°F OUTDOOR COIL EAT.
** HEATING CAPACITY IS AHRI HI-TEMP RATING: AT 47°F; 43°F WB INDOOR COIL EAT AND 68° OUTDOOR COIL EAT.

NOTES:
1. SYMBOLS/ UNITS ARE USED MULTIPLE TIMES, SEE PLANS FOR QUANTITIES.
2. PROVIDE ALL UNITS W/ 7-DAY PROGRAMMABLE THERMOSTAT.

ENERGY RECOVERY VENTILATOR UNIT

SYMBOL	BASIS OF DESIGN MANUFACTURER AND SERIES NO.	AREA SERVED	SUPPLY FAN				EXHAUST FAN				UNIT ELECTRICAL				FILTERS		MAX UNIT WEIGHT (LBS)	REMARKS
			TYPE	CFM	ESP	RPM	TYPE	CFM	ESP	RPM	OPERATING POWER	MCA	MOCP	VOLTS/PH	TYPE	MIN SF		
ERV-1	RENEWAIRE HE10INV	FIRST FLOOR LOBBY/OFFICE	DIRECT DRIVE	800	0.5"	-	DIRECT DRIVE	650	0.5"	-	370 W 370 W	3.9	15	208/1	2" MERV 8	MFR'S STD	400	W/ ECM
ERV-2	RENEWAIRE HE07RTV EAST	CORRIDOR EAST	DIRECT DRIVE	400	1"	-	DIRECT DRIVE	400	1"	-	357 W 357 W	6.2	15	208/1	2" MERV 8	MFR'S STD	450	ROOFTOP UNIT W/ CURB AND ECM
ERV-3	RENEWAIRE HE07RTV	CORRIDOR WEST	DIRECT DRIVE	400	1"	-	DIRECT DRIVE	400	1"	-	357 W 357 W	6.2	15	208/1	2" MERV 8	MFR'S STD	450	ROOFTOP UNIT W/ CURB AND ECM
ERV-50*	PANASONIC FV-06VE1	DWELLING UNIT	DIRECT DRIVE	50	0.25"	-	DIRECT DRIVE	50	0.25"	-	39 W	-	-	115/1	MERV 13	MFR'S STD	50	OPERATES CONTINUOUSLY W/ WALL SWITCH OVERRIDE, W/ ECM

NOTES:
1. UNITS SHALL HAVE MINIMUM 60% HEAT RECOVERY PER WSEC AT EXHAUST AIR OF 70°F, 30% RH & EAT OF 20°F, 90% RH.
2. PROVIDE UNITS WITH ELECTRIC DUCT HEATERS, SEE ELECTRIC HEATER SCHEDULE, M0.03.

* USED IN MULTIPLE LOCATIONS, SEE PLANS FOR QUANTITIES & LOCATIONS.

FAN SCHEDULE

SYMBOL	BASIS OF DESIGN MANUFACTURER AND SERIES NO.	TYPE	AREA SERVED	CFM	ESP	MAX RPM	ELECTRICAL		DRIVE	CONTROL	MAX WEIGHT LBS	REMARKS
							PWR	VOLTS / PH				
EF-50*	PANASONIC FV-05-11VKS3	CEILING FAN	SEE PLAN	50	0.5"	1725	10 W	115/1	DIRECT	(S)	20	
EF-300*	PANASONIC FV-40-VQ4	CEILING FAN	SEE PLAN	300	0.3"	1725	119 W	115/1	DIRECT	(S)	30	
EF-1	GREENHECK SQ-95-VG	INLINE FAN	WASTE 113	500	0.5"	1725	1/6 HP	208/1	DIRECT	CONTINUOUS	100	W/ ECM
TF-1*	TJERNLUND AS2	TRANSFER FAN	BEDROOM TRANSFER	100	-	1170	30 W	115/1	-		20	3-SPEED FAN

NOTES:
1. FAN RATINGS, EFFICIENCY, & SOUND LEVELS SHALL COMPLY W/ CODE.
2. FAN SYMBOLS (I.E. CALLOUTS) ARE USED MULTIPLE PLACES ON PLAN; SEE PLANS FOR QUANTITIES.
3. ALL FANS SHALL HAVE VARIABLE SPEED ABILITY (UNO).

* USED IN MULTIPLE LOCATIONS, SEE PLANS FOR QUANTITIES & LOCATIONS.

WATER HEATER SCHEDULE

SYMBOL	BASIS OF DESIGN MANUFACTURER AND SERIES NO.	TYPE	AREA SERVED	MIN INPUT RATING	STORAGE (GAL)	DOMESTIC HW			ELECTRICAL		REMARKS
						GPH	EWT	LWT	FLA	VOLTS/PH	
WH-1	A.O. SMITH DEL-20	ELECTRIC TANK TYPE	MAINTENANCE ROOM/ RR	3000 W	20	15	40	120	14	208/1	W/ RELIEF VALVE
WH-2*	A.O. SMITH HPTA-50	HEAT PUMP TANK TYPE	RESIDENCE DOMESTIC HW	4500 W	50	65	40	120	23.6	208/1	W/ RELIEF VALVE & DRAIN PAN
WH-3*	A.O. SMITH HPTA-66	HEAT PUMP TANK TYPE	RESIDENCE DOMESTIC HW	4500 W	66	83	40	120	23.6	208/1	W/ RELIEF VALVE & DRAIN PAN
WH-4	CHRONOMITE CM-20L	INSTANTANEOUS	RR 105	4160 W	-	-	40	97	20	208/1	

*USED MULTIPLE TIMES ON PLANS; SEE PLANS FOR QUANTITIES AND LOCATIONS

PUMP SCHEDULE

SYMBOL	BASIS OF DESIGN MANUFACTURER AND SERIES NO.	TYPE	SERVICE	GPM	HEAD FT.	ELECTRICAL		REMARKS
						HP	VOLTS/PH	
BP-1	GRUNDFOS BOOSTER PAQ CRE	BOOSTER PUMP DOMESTIC	DOMESTIC CW	230 230	75 75	10 10	208/3 208/3	DUAL PUMPS, W/ SKID AND VFD CONTROLLER
SP-1	STANCO "OIL MINDER" SV-300	ELEVATOR SUMP PUMP	ELEVATOR SUMP	100	50	3	208/ 3	W/ CONTROL SYSTEM, FLOATS, DISCONNECT, WIRING & ACCESSORIES

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

HULTZ BHU engineers inc
1111 Fawcett Ave Suite 100 Tacoma, WA 98402
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general@hultzbhu.com Job Number: 25-132

SIGNED
03-19-2026

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: Author
DATE: 20 MARCH 2026
BUILDING PERMIT SET
REVISION: DESCRIPTION:

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BUILDING PERMIT SET

SHEET TITLE:
MECHANICAL SCHEDULES

SHEET NO.:
M002

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ENERGY CODE NOTES - MECHANICAL 2021

MECHANICAL CHECKLIST

PERFORMANCE, CRITERIA & SYSTEM DESIGN

1. LOAD CALCULATIONS, C403.1.2: LOAD CALCULATIONS HAVE BEEN PERFORMED IN ACCORDANCE WITH WSEC.
2. HVAC EQUIPMENT PERFORMANCE, C403.3.2: EQUIPMENT SHALL MEET THE MINIMUM EFFICIENCY REQUIREMENTS OF TABLE C403.3.2(1) THRU C403.3.2(16).
3. EQUIPMENT AND SYSTEM SIZING, C403.3.1: OUTPUT CAPACITIES OF HEATING AND COOLING EQUIPMENT AND SYSTEMS ARE NO GREATER THAN THE SMALLEST AVAILABLE EQUIPMENT SIZE THAT EXCEEDS THE CALCULATED LOADS.
4. ELECTRIC MOTOR EFFICIENCY, C405.8: ALL ELECTRIC MOTORS SHALL MEET THE MINIMUM EFFICIENCY REQUIREMENTS OF TABLES C405.8(1) THROUGH (4). FRACTION HP FAN MOTORS 1/12HP OR GREATER AND LESS THAN 1HP NOT COVERED BY THE TABLES C405.8(3) AND (4) SHALL BE EC TYPE OR SHALL HAVE A MINIMUM EFFICIENCY OF 70% OR GREATER AND HAVE THE MEANS TO ADJUST MOTOR SPEED.
5. PACKAGED ELECTRIC EQUIPMENT, C403.3.2.6: ALL PACKAGED ELECTRIC HEATING AND COOLING EQUIPMENT WITH TOTAL COOLING CAPACITY GREATER THAN 6,000 BTU/H SHALL BE A HEAT PUMP CONTROLLED BY OCCUPANCY DEVICE OR TIME SCHEDULE.

DEDICATED OUTDOOR AIR SYSTEMS (DOAS)

6. DEDICATED OUTDOOR AIR SYSTEMS, C403.3.5: FOR BUILDINGS WITH OCCUPANCIES SHOWN IN TABLE 403.3.5, OUTDOOR AIR SHALL BE PROVIDED TO EACH OCCUPIED SPACE BY A DEDICATED OUTDOOR AIR SYSTEM (DOAS).
7. DOAS ENERGY RECOVERY METHOD & EFFECTIVENESS, C403.3.5.1: ALL DOAS UNITS SHALL BE PROVIDED WITH EXHAUST HEAT RECOVERY WITH MINIMUM RATED EFFECTIVENESS OF 68% SENSIBLE OR 60% ENTHALPY AT DESIGN CONDITIONS PER SECTION C403.7.6.
8. DOAS FAN POWER, C403.3.5.2: FOR DOAS THAT DOES NOT HAVE AT LEAST ONE FAN OR FAN ARRAY WITH FAN ELECTRICAL INPUT POWER ≥ 1 KW, THE TOTAL COMBINED FAN POWER SHALL NOT EXCEED 1 WATT PER CFM. FOR A DOAS WITH AT LEAST ONE FAN OR FAN ARRAY WITH ELECTRICAL INPUT POWER ≥ 1 KW, THE DOAS SHALL COMPLY WITH THE FAN POWER LIMITATIONS OF SECTION C403.8.1.
9. HEATING/COOLING SYSTEM CONTROLS, C403.3.5.3: HEATING AND COOLING EQUIPMENT FANS, HEATING AND COOLING PUMPS, AND TERMINAL UNIT FANS SHALL CYCLE OFF AND TERMINAL UNIT PRIMARY COOLING AIR SHALL BE SHUT OFF WHEN THERE IS NO CALL FOR HEATING OR COOLING IN THE CORRESPONDING ZONE.
10. DECOUPLED DOAS SUPPLY AIR, C403.3.5.4: DOAS SUPPLY AIR SHALL BE DELIVERED DIRECTLY TO THE OCCUPIED SPACE OR DOWNSTREAM OF THE TERMINAL HEATING/COOLING COILS.

FANS AND FAN CONTROL

16. FAN POWER LIMITATION, C403.8.1: FOR ALL HVAC SYSTEMS THAT CONTAIN 1 OR MORE FANS WITH ELECTRICAL INPUT GREATER OR EQUAL TO 1KW, THE FAN SYSTEM INPUT POWER SHALL COMPLY WITH FAN POWER BUDGET PER EQUATIONS 4-11 AND TABLES C403.8.1.1(1) ANDC403.8.1.1(2) .
17. MOTOR NAMEPLATE HP, C403.8.2: EACH FAN MOTOR SHALL BE NO LARGER THAN THE FIRST AVAILABLE MOTOR SIZE GREATER THAN THE BHP. FAN BHP SHALL BE NOTED ON THE DESIGN DOCUMENTS.
18. FAN EFFICIENCY, C403.8.3: EACH FAN AND FAN ARRAY SHALL HAVE A FAN ENERGY INDEX (FEI) OF NOT LESS THAN 1.00 AT DESIGN POINT OF OPERATION. EACH FAN AND FAN ARRAY USED FOR A VARIABLE-AIR-VOLUME SYSTEM SHALL HAVE AN FEI OF NOT LESS THAN 0.95 AT DESIGN POINT OF OPERATION.
19. LOW CAPACITY VENTILATION FANS, C403.8.4: MECHANICAL VENTILATION SYSTEM FANS WITH MOTORS < 1/12 HP IN CAPACITY SHALL MEET EFFICACY REQUIREMENTS OF TABLE C403.8.4 AT ONE OR MORE RATING POINTS.
20. FAN AIRFLOW CONTROL, C403.8.5.1: DX UNITS 42 MBH AND GREATER AND CHILLED WATER UNITS WITH FANS 1/4 HP AND GREATER SHALL VARY THE FAN AIRFLOW AS A FUNCTION OF THE LOAD BASED ON SPACE TEMPERATURE. FOR UNITS THAT CONTROL MECHANICAL COOLING CAPACITY AS A FUNCTION OF SPACE TEMPERATURE, FANS SHALL HAVE NO LESS THAN 2 STAGES (LOW SPEED SHALL NOT BE GREATER THAN 66% OF FULL SPEED); FOR UNITS THAT CONTROL SPACE TEMPERATURE BY MODULATING FAN SPEED, MINIMUM SPEED SHALL BE NO GREATER THAN 50% OF FULL SPEED. ECONOMIZERS SHALL HAVE NO FEWER THAN TWO SPEEDS OF FAN CONTROL DURING ECONOMIZER OPERATION.

VENTILATION, EXHAUST & ENERGY RECOVERY

21. VENTILATION, C403.2.2.1: MECHANICAL VENTILATION AIR SYSTEMS SHALL BE CONFIGURED TO PROVIDE NOT MORE THAN 150%, BUT AT LEAST THE MINIMUM REQUIRED VOLUME OF OUTDOOR AIR TO EACH ZONE PER IMC. SEE MECHANICAL EQUIPMENT SCHEDULES FOR MINIMUM OUTSIDE AIR VALUES.
22. EXHAUST, C403.2.2.2: EXHAUST SYSTEMS ARE CONFIGURED TO PROVIDE NO MORE THAN 150% OF CODE MINIMUM.
23. VENTILATION AIR HEATING CONTROL, C403.7.3: UNITS WITH SUPPLEMENTAL HEATING CAPACITY SHALL NOT HEAT THE VENTILATION AIR TO A TEMPERATURE GREATER THAN 55 DEG F.
24. SHUTOFF DAMPERS FOR BUILDING ISOLATION, C403.7.8.1: PROVIDE ALL OUTSIDE AIR, EXHAUST AIR, AND RELIEF AIR OPENINGS WITH CLASS 1 (MAX LEAKAGE OF 4 CFM/SF AT 1.0" W.C.) MOTORIZED DAMPERS.
25. SHUTOFF DAMPERS FOR RETURN AIR, C403.7.8.2: PROVIDE RETURN AIR OPENINGS WITH CLASS 1 MOTORIZED DAMPER WHERE USED FOR AIRSIDE ECONOMIZER.
26. DAMPER ACTUATION, C403.7.8.4: OUTSIDE AIR INTAKE, RELIEF AND EXHAUST DAMPERS SHALL AUTOMATICALLY CLOSE WHEN SYSTEM OR SPACES SERVED ARE NOT IN USE OR DURING WARM-UP AND SET BACK. STAIRWAY AND ELEVATOR SHAFT VENT DAMPERS SHALL BE INSTALLED WITH AUTOMATIC CONTROLS TO OPEN UPON ACTIVATION OF ANY FIRE ALARM DEVICE OR INTERRUPTION OF POWER TO THE DAMPER.

HVAC SYSTEM CONTROLS

27. THERMOSTATIC CONTROLS, C403.4.1: THE SUPPLY OF HEATING AND COOLING ENERGY TO EACH ZONE SHALL BE CONTROLLED BY INDIVIDUAL THERMOSTATIC CONTROLS CAPABLE OF RESPONDING TO TEMPERATURE WITHIN THE ZONE. CONTROLS IN SAME ZONE OR IN NEIGHBORING ZONES CONNECTED BY OPENINGS LARGER THAN 10% OF FLOOR AREA OF EITHER ZONE SHALL NOT ALLOW FOR SIMULTANEOUS HEATING AND COOLING.
28. DEADBAND, C403.4.1.2: ZONE THERMOSTATIC CONTROLS SHALL BE CONFIGURED WITH 5 DEG F MINIMUM DEADBAND FOR SYSTEMS THAT CONTROL BOTH HEATING AND COOLING.
29. HEATED OR COOLED VESTIBULES, C403.4.1.4: PROVIDE THERMOSTATIC CONTROLS FOR VESTIBULES TO LIMIT HEATING SETPOINT TO NO MORE THAN 60 DEG F (EXCEPT WHEN OUTSIDE AIR TEMPERATURES EXCEED 45 DEG F, VESTIBULE HEATING SHALL BE DISABLED) AND COOLING SETPOINT TO NO LESS THEN 85 DEG F.
30. AUTOMATIC SETBACK AND SHUTDOWN, C403.4.2: HVAC SYSTEMS SHALL BE EQUIPPED WITH AUTOMATIC CONTROLS CAPABLE OF STARTING AND STOPPING THE SYSTEM FOR SEVEN DIFFERENT DAILY SCHEDULES, AND SHALL HAVE MANUAL OVERRIDE CONFIGURED TO OPERATE THE SYSTEM FOR 2 HOURS.
31. AUTOMATIC START, C403.4.2.3: AUTOMATIC START AND STOP CONTROLS SHALL BE PROVIDED FOR EACH HVAC SYSTEM, AND BE CAPABLE OF AUTOMATICALLY ADJUSTING DAILY START TIME IN ORDER TO BRING EACH SPACE TO THE DESIRED OCCUPIED TEMPERATURE IMMEDIATELY PRIOR TO SCHEDULED OCCUPANCY.
32. EXHAUST SYSTEM OFF-HOUR CONTROL, C403.4.2.4: OCCUPANCIES OTHER THAN GROUP R, EXHAUST SYSTEMS SHALL BE CONTROLLED BY EITHER AUTOMATIC TIMECLOCK, THERMOSTATIC CONTROLS, OR PROGRAMMABLE CONTROLS.
33. GROUP R2/R3 DWELLING/SLEEPING UNITS, C403.4.9: PROVIDE 5-2 (WEEKDAYS/WEEKENDS) PROGRAMMABLE THERMOSTAT CAPABLE OF TWO SETBACK PERIODS PER DAY WITH AN ADJUSTABLE DEADBAND OF AT LEAST 10 DEG F.

DUCTING SYSTEMS

34. DUCT CONSTRUCTION, C403.10.2: DUCTWORK SHALL BE CONSTRUCTED AND ERECTED PER IMC. OUTSIDE AIR DUCTWORK SHALL MEET AIR LEAKAGE REQUIREMENTS OF C402.5 AND VAPOR RETARDER REQUIREMENTS OF THE IBC.
35. LOW-PRESSURE DUCT SYSTEM, C403.10.2.1: OPERATING AT STATIC PRESSURE LESS THAN OR EQUAL TO 2 INCHES WATER GAUGE (W.G.).
36. DUCT INSULATION, C403.10.1: MINIMUM DUCT INSULATION PER WSEC IS AS FOLLOWS:

SERVICE	INSULATION LEVEL
OUTSIDE AIR DUCT SERVING INDIVIDUAL SUPPLY UNIT WITH LESS THAN 2,800 CFM OF SUPPLY AIR	R-7
SUPPLY & RETURN DUCTS IN UNCONDITIONED SPACES	R-6
SUPPLY DUCTS WITHIN CONDITIONED SPACE WHERE SUPPLY AIR IS < 55 DEG F. OR > 105 DEG F.	R-3.3
EXHAUST & RELIEF DUCTS DOWNSTREAM OF AUTO SHUTOFF DAMPER	R-16

PIPING SYSTEMS

37. PIPING INSULATION, C403.10.3: MINIMUM PIPE INSULATION PER WSEC IS AS FOLLOWS:

FLUID OPERATING TEMPERATURE	INSULATION THICKNESS (NOMINAL PIPE SIZE) <1	1 TO <1-1/2	1-1/2 TO < 4	4 TO < 8	OVER 8
>350	4.5	5.0	5.0	5.0	5.0
251-350	3.0	4.0	4.5	4.5	4.5
201-250	2.5	2.5	2.5	3.0	3.0
141-200	1.5	1.5	2.0	2.0	2.0
105-140	1.0	1.0	1.5	1.5	1.5
40-60	0.5	0.5	1.0	1.0	1.0
<40	0.5	1.0	1.0	1.0	1.5

38. PROTECTION OF PIPE INSULATION, C403.10.3.1: PIPING INSULATION EXPOSED TO WEATHER SHALL SHALL BE PROTECTED FROM DAMAGE, INCLUDING DUE TO SUNLIGHT, MOISTURES, PHYSICAL DAMAGE, WIND, AND SHALL PROVIDE SHIELDING FROM SOLAR RADIATION.
39. REFRIGERATION PIPING INSULATION, C403.10.4: FIELD INSTALLED HVAC REFRIGERANT PIPING, SHALL HAVE INSULATION AT A CONDUCTIVITY RATING OF 0.21 TO 0.26 BTU × IN/(H × FT2 × °F) WITH A MEAN TEMPERATURE RATING OF 75°F. PIPING INSULATION EXPOSED TO WEATHER SHALL BE PROTECTED FROM DAMAGE, INCLUDING SOLAR RADIATION REQUIRED MINIMUM PIPE INSULATION SHALL BE:
    A. FOR LINES THAT CONVEY HOT GAS FOR SPACE HEATING:
        - MINIMUM 1-INCH INSULATION ON THE PORTIONS OUTSIDE THE BUILDING THERMAL ENVELOPE.
        - MINIMUM 1/2-INCH INSULATION ON THE PORTIONS WITHIN THE BUILDING THERMAL ENVELOPE.
    B. MINIMUM 1/2-INCH INSULATION ON THE LIQUID LINE FOR MINI-SPLIT SYSTEMS AND OTHER SYSTEMS FOR WHICH INSULATION IS REQUIRED BY THE MANUFACTURER, OR WHERE THE METERING DEVICE IS LOCATED IN THE OUTDOOR UNIT.
    C. NO INSULATION IS REQUIRED ON THE LIQUID LINE FOR OTHER HEAT PUMP TYPES OR FOR COOLING-ONLY UNITS WHERE INSULATION IS NOT REQUIRED BY THE MANUFACTURER.

COMMISSIONING

64. SCOPE OF MECHANICAL SYSTEMS COMMISSIONING, C408.1: ALL MECHANICAL SYSTEMS, EQUIPMENT AND CONTROLS ARE REQUIRED TO BE COMMISSIONED. FOR BUILDINGS WITH COOLING CAPACITY > 180 MBH OR HEATING OUTPUT > 240 MBH ALL SYSTEMS ARE TO BE COMMISSIONED REGARDLESS OF INDIVIDUAL CAPACITY.
65. COMMISSIONING REQUIREMENTS IN CONSTRUCTION DOCUMENTS, C408.1.1: COMMISSIONING PLAN SHALL BE DEVELOPED BY A COMMISSIONING PROFESSIONAL AND CONSIST OF A NARRATIVE DESCRIPTION OF ACTIVITIES, ROLES & RESPONSIBILITIES OF THE COMMISSIONING TEAM, SCHEDULE OF ACTIVITIES INCLUDING TAB, FUNCTIONAL PERFORMANCE TESTING AND VERIFICATION OF PROJECT CLOSE OUT DOCUMENTATION PER C103.6, AND SUBMIT COMPLIANCE CHECKLIST TO THE BUILDING OFFICIAL UPON SUBSTANTIAL COMPLETION. A PRELIMINARY COMMISSIONING REPORT AND/OR COMMISSIONING COMPLIANCE CHECKLIST SHALL BE AVAILABLE FOR AHJ REVIEW PRIOR TO THE FINAL MECHANICAL INSPECTION.
66. FUNCTIONAL PERFORMANCE TESTING CRITERIA, C408.4.1: FUNCTIONAL PERFORMANCE TESTING SHALL BE PERFORMED IN ACCORDANCE WITH WSEC C408.4.1.
67. AIR SYSTEM & HYDRONIC SYSTEM BALANCING, C408.2.2: HVAC AIR AND WATER SYSTEMS SHALL BE BALANCED IN ACCORDANCE WITH THE SPECIFICATIONS AND THESE WSEC NOTES. SEE SPECIFICATIONS FOR FLOW RATE TOLERANCES.
68. AIR SYSTEM BALANCING DEVICES, C408.2.2.1: PROVIDE ALL SUPPLY AIR OUTLETS AND TERMINAL DEVICES WITH MEANS OF BALANCING AIRFLOW. BALANCE TO FIRST MINIMIZE THROTTLING LOSSES, THEN ADJUST TO MEET DESIGN AIR FLOWS.

PROJECT CLOSE OUT DOCUMENTATION

69. DOCUMENTATION SUBMITTAL REQUIREMENTS, C103.6: SUBMIT ALL CLOSEOUT DOCUMENTATION INCLUDING AS-BUILTS AND O&M'S TO OWNER WITHIN 90 DAYS OF RECEIPT OF CERTIFICATE OF OCCUPANCY.
70. THESE "ENERGY CODE NOTES" ARE LISTED TO SATISFY THE BUILDING DEPARTMENT'S REQUIREMENT THAT CERTAIN INFORMATION BE PLACED ON THE PLANS, BUT DO NOT DIMINISH THE FULL PROJECT REQUIREMENTS. PROVIDE ITEMS IN EXCESS OF CODE WHERE NOTED ON DRAWINGS AND IN SPECIFICATIONS.

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SIGNED
03-18-2026

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

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PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: Author
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION: **DESCRIPTION:**

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BUILDING PERMIT SET

SHEET TITLE:
MECHANICAL NOTES

SHEET NO.:
M003

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MECHANICAL SPECIFICATIONS

20 05 00 - MECHANICAL COMMON WORK RESULTS

1. CODE COMPLIANCE: ALL WORK SHALL COMPLY WITH ALL LOCAL CODES AND ORDINANCES. WORKERS ASSIGNED TO THIS PROJECT SHALL BE FAMILIAR AND KNOWLEDGEABLE OF ALL APPLICABLE CODES; BY VIRTUE OF BIDDING THE PROJECT THE CONTRACTOR REPRESENTS THAT WORKERS HAVE SUCH KNOWLEDGE. THROUGHOUT THE PROJECT DOCUMENTS, ITEMS ARE SHOWN OR SPECIFIED IN EXCESS OF CODE REQUIREMENTS; IN ALL SUCH CASES, THE WORK SHALL BE DONE SO THAT CODE REQUIREMENTS ARE EXCEEDED AS INDICATED.

2. DRAWINGS: DRAWINGS ARE DIAGRAMMATIC AND SHOW THE GENERAL ARRANGEMENT OF THE CONSTRUCTION, AND THEREFORE DO NOT SHOW ALL NECESSARY OFFSETS, FITTINGS, AND ACCESSORIES WHICH ARE REQUIRED TO FORM COMPLETE AND OPERABLE SYSTEMS.

3. FIELD VERIFICATION: CHECK FIELD CONDITIONS AND VERIFY ALL MEASUREMENTS AND RELATIONSHIPS INDICATED ON THE DRAWINGS BEFORE PROCEEDING WITH THE WORK.

4. PERMITS, FEES AND INSPECTIONS: OBTAIN AND PAY FOR ALL PERMITS, LICENSES, FEES AND INSPECTIONS AS REQUIRED BY THE AHJ AND UTILITIES. COORDINATE WITH AHJ AND ARRANGE SYSTEM INSPECTIONS. MAINTAIN RECORDS OF ALL SYSTEM TESTS AND AHJ INSPECTIONS.

6. QUALITY ASSURANCE CHECKS: PRIOR TO PROVIDING SUBMITTALS VERIFY THAT PROPOSED PRODUCT MEETS PROJECT REQUIREMENTS; INCLUDING: LEAD/DELIVERY TIMES COMPATIBLE WITH SCHEDULE, PROPER VOLT/PHASE, WEIGHT DOES NOT EXCEED THAT ALLOWED, SPACE VERIFICATION HAS BEEN DONE, PRODUCT IS SUITABLE FOR CONDITIONS, MANUFACTURER IS ACCEPTABLE, SPECIFIED FEATURES ARE PROVIDED, EQUIPMENT EFFICIENCIES COMPLY WITH CODE.

7. SUBMITTALS - PRODUCT DATA: SHALL SUBMIT MANUFACTURERS PRODUCT DATA FOR ALL PRODUCTS PROPOSED TO BE USED FOR REVIEW. PRODUCTS SHALL NOT BE USED UNTIL APPROVED BY THE OWNER OR HIS REPRESENTATIVE. SUBMITTALS MAY BE ELECTRONIC TYPE IN "PDF" FORMAT; SUBMIT WITH TABLE OF CONTENTS.

8. PROTECTION AND DAMAGE: PROTECT ALL ITEMS FROM DAMAGE OF ANY KIND (INCLUDES WATER, CORROSION, FREEZING, DIRT/DUST, CONDENSATION, PHYSICAL DAMAGE, ETC.) BOTH IN STORAGE AND WHEN INSTALLED, UNTIL FINAL PROJECT ACCEPTANCE. PROTECT BUILDING AND SITE AREAS FROM DAMAGE. RESTORE ALL EXISTING ITEMS THAT ARE DAMAGED TO PRE-CONSTRUCTION CONDITIONS (OR BETTER). REPLACE ALL NEW ITEMS THAT ARE DAMAGED WITH NEW, EXCEPT WHERE CLEANING OR REPAIR CAN RESTORE THE ITEM TO A NEW CONDITION, SATISFACTORY TO THE OWNER.

9. COORDINATION: COORDINATE ALL CONSTRUCTION ACTIVITIES WITH OTHER TRADES, INCLUDING THE RELATIVE LOCATION OF ITEMS, SCHEDULING THE WORK, AND INTERCONNECTIONS OF SYSTEMS. COORDINATE WITH THE OWNER AND COOPERATE FULLY SO AS TO MINIMIZE CONFLICTS AND TO ALLOW FULL OWNER USAGE (UNO) OF INDICATED AREAS DURING CONSTRUCTION.

10. FINAL INSPECTION: PRIOR TO ACCEPTANCE OF THE WORK, PUT ALL SYSTEMS INTO OPERATION FOR A PERIOD OF NOT LESS THAN 5 WORKING DAYS SO THAT THEY MAY BE INSPECTED BY THE OWNER.

11. INSTRUCTION: PROVIDE INSTRUCTIONS AND DEMONSTRATIONS FOR THE OWNER'S REPRESENTATIVES ON THE OPERATION AND MAINTENANCE OF ALL EQUIPMENT.

12. O&M MANUALS: PROVIDE O&M MANUALS FOR ALL EQUIPMENT, INDICATING REQUIRED MAINTENANCE. INCLUDE: SIZE OF ALL FILTERS, BELTS, AND SIMILAR ITEMS REQUIRING ROUTINE REPLACEMENT; LIST OF CONTACTS FOR SERVICE AND PARTS FOR EQUIPMENT.

13. WARRANTY: ALL WORK AND EQUIPMENT SHALL BE WARRANTED TO BE FREE FROM DEFECTS AND CAPABLE OF PROVIDING SATISFACTORY OPERATION FOR A PERIOD OF ONE YEAR AFTER PROJECT FINAL ACCEPTANCE.

14. COMPLETE SYSTEMS: NOT ALL NECESSARY MATERIALS TO PERFORM THE WORK REQUIRED ARE SPECIFIED OR SHOWN. CONTRACTOR SHALL PROVIDE ALL ITEMS NEEDED TO HAVE COMPLETED PROPERLY OPERATING SYSTEMS. ITEMS PROVIDED SHALL BE OF COMMERCIAL/INSTITUTIONAL QUALITY, CONSISTENT WITH THE QUALITY OF RELATED ITEMS PROVIDED ON THE PROJECT.

15. IDENTIFICATION:

   A. PIPING: LABEL ON 20 FOOT CENTERS WITH SELF-STICKING COLORED MARKERS, LETTERED TO IDENTIFY THE PIPE CONTENTS, AND BANDED AT EACH END WITH ARROW TAPE INDICATING THE DIRECTION OF GLOW. MARKERS SHALL BE SIMILAR AND EQUAL TO BRADY "SYSTEM 1." LETTERING AND COLORS SHALL COMPLY WITH ANSI A13.1. IN ADDITION, PIPING SHALL BE PAINTED, COLORS AS SELECTED BY OWNER.

   B. EQUIPMENT: LABEL WITH IDENTIFICATION TAGS MADE OF ENGRAVED PHENOLIC MATERIAL, WITH 1/4" HIGH WHITE LETTERING ON A BLACK BACKGROUND, ENGRAVED WITH EQUIPMENT I.D. (SAME AS USED ON PLANS) AND AREA SERVED. PRE-DRILL AND ANCHOR TO EQUIPMENT WITH TWO SCREWS.

17. TESTING: ALL PIPING AND DUCT SYSTEMS SHALL BE TESTED PER CODE REQUIREMENTS. PRESSURIZED PIPING SYSTEMS SHALL BE PRESSURE TESTED TO AT LEAST 1.5 TIMES THE SYSTEMS OPERATING PRESSURE.

18. CONTRACTOR LAY-OUT: THE CONTRACTOR IS REQUIRED TO DO FURTHER DESIGN AND LAYOUT TO FINALIZE THE DESIGN SHOWN ON THE PROJECT DRAWINGS. SUCH WORK INCLUDES LAYOUT SKETCHES TO VERIFY RISES AND DROPS IN PIPING AND DUCTWORK, COORDINATION, OF ELEVATIONS WITH OTHER TRADES, AND NOTIFYING OTHER TRADES OF ITEMS TO BE RELOCATED, ETC.

19. SEISMIC: ALL PIPING, DUCTWORK, AND EQUIPMENT SHALL BE INSTALLED AND BRACED FOR THE SEISMIC CATEGORY FOR THIS PROJECT PER CODE.

20 07 00 - MECHANICAL SYSTEMS INSULATION

1. PIPING INSULATION: RIGID MOLDED FIBERGLASS INSULATION, SIZED TO MATCH PIPE APPLIED TO, THERMAL CONDUCTIVITY SHALL NOT EXCEED 0.24 BTU-INCH/HR-SF-DEGREES F AT 75 DEGREES F, WITH JACKET CONSISTING OF HIGH DENSITY WHITE KRAFT BONDED TO ALUMINUM FOIL AND HAVING A PRESSURE SENSITIVE ADHESIVE CLOSURE SYSTEM, INTEGRAL VAPOR BARRIER WITH MAXIMUM 0.02 PERM RATING. FITTINGS SHALL USE FIBERGLASS INSULATION PACKED INSIDE MINIMUM 20 MIL WHITE PVC FITTING COVERS, SIZED/SHAPED TO MATCH FITTING AND ADJACENT PIPE.

2. HANGER INSERTS: EXPANDED PERLITE OR CALCIUM SILICATE INSULATION; WITH NO MORE THAN 5% DEFORMATION AT 100 PSI; AND MAXIMUM CONDUCTIVITY OF 0.32 BTU-IN/HR-SF-DEGREES F; WITH MINIMUM 18 GAUGE GALVANIZED STEEL SHIELDS. PROVIDE 360 DEGREE TYPE INSERT WHERE PIPE IS CLAMPED FOR SUPPORT.

3. REFRIGERANT PIPING INSULATION: FLEXIBLE CELLULAR ELASTOMERIC INSULATION, SIZED TO MATCH PIPE APPLIED TO, THERMAL CONDUCTIVITY SHALL NOT EXCEED 0.27 BTU-INCH/HR-SF-DEGREES F AT 75 DEGREES F WITH LONGITUDINAL ADHESIVE SEALED JOINT, AND MAXIMUM 0.08 PERM RATING. FITTINGS SHALL USE MITERED/FORMED INSULATION SEALED/ATTACHED WITH ADHESIVE GLUED IN PLACE.

4. METAL JACKET: ALUMINUM ROLL JACKETING, FABRICATED OF TYPE 3003 OR 5005 ALUMINUM, MINIMUM 0.020 INCH THICK, WITH INTEGRAL 1 MIL HEAT BONDED POLYETHYLENE MOISTURE BARRIER.

5. DUCTWORK: BLANKET FIBERGLASS INSULATION, 0.75 LB PER CUBIC FOOT MINIMUM DENSITY, THERMAL CONDUCTIVITY NO GREATER THAN 0.25 BTU-IN/HR-SQ.FT.-DEGREES F. AT 75 DEGREES F WITH FACTORY APPLIED VAPOR PROOF JACKET CONSISTING OF ALUMINUM FOIL COVER WITH OPEN MESH FIBERGLASS REINFORCEMENT, LAMINATED TO UL RATED KRAFT, VAPOR TRANSMISSION RATE SHALL NOT EXCEED 0.05 PERMS.

6. PIPING AND EQUIPMENT INSULATION INSTALLATION:

   A. PROVIDE INSULATION ON THE SURFACES OF ALL ENERGY CONVEYING, ENERGY CONSUMING, OR ENERGY STORAGE DEVICES (I.E. PIPES, EQUIPMENT, VALVES, FITTINGS, ACCESSORIES, ETC.) INSTALLED AS PART OF THIS PROJECT EXCEPT WHERE SPECIFICALLY EXCLUDED.

   B. PROVIDE INSULATION CONTINUOUS THROUGH ALL SUPPORTS ON PIPING 1-1/2 INCH AND LARGER USING INSERTS.

   C. INSULATE ALL PIPING WITH INSULATION THICKNESS AS REQUIRED BY CODE, AND NO LESS THAN AS FOLLOWS THICKNESS:

			PIPE SIZE (INCHES)			
FLUID TEMP	COND*	MRT**	<1	1 TO < 1.5	1.5 TO <4	4 TO <=8
> 350	0.32 - 0.34	250	4.5	5.0	5.0	5.0
251 - 350	0.29 - 0.32	200	3.0	4.0	4.5	4.5
201 - 250	0.27 - 0.30	150	2.5	2.5	2.5	3.0
141 - 200	0.25 - 0.29	125	1.5	1.5	2.0	2.0
105 - 140	0.21 - 0.28	100	1.0	1.0	1.5	1.5
40 - 60	0.21 - 0.27	75	0.5	0.5	1.0	1.0
< 40	0.20 - 0.26	75	0.5	1.0	1.0	1.0

*CONDUCTIVITY (BTU-IN)/(HR-SF-DEG F)
**MEAN RATING TEMPERATURE (DEG F)

9. DUCT INSULATION INSTALLATION:

   A. ALL DUCTS SHALL BE INSULATED EXCEPT AS NOTED BELOW.

   B. INSULATION THICKNESSES SHALL PROVIDE THE R-VALUES AS REQUIRED BY CODE, AND EXCEED CODE AS INDICATED. MINIMUM INSULATION:

      1) SUPPLY AIR DUCT:

         A) UNLINED WITHIN CONDITIONED AREA: 1.0 INCH THICK.

         B) LINED WITHIN CONDITIONED AREA: NO INSULATION REQUIRED.

         C) UNLINED OUTSIDE CONDITIONED AREA: 2.0 INCH THICK.

         D) LINED OUTSIDE CONDITIONED AREA: 1.0 INCH THICK (EXCEPT WHERE 2-INCH LINING USED NO INSULATION REQUIRED).

      2) RETURN AIR DUCTS:

         A) UNLINED WITHIN CONDITIONED AREA: NO INSULATION REQUIRED.

         B) LINED WITHIN CONDITIONED AREA: NO INSULATION REQUIRED.

         C) UNLINED OUTSIDE CONDITIONED AREA: 2.0 INCH THICK.

         D) LINED OUTSIDE CONDITIONED AREA: 1.0 INCH THICK (EXCEPT WHERE 2-INCH LINING USED NO INSULATION REQUIRED).

      3) EXHAUST/RELIEF AIR DUCTS:

         A) WITHIN CONDITIONED AREA, FROM AUTOMATIC DAMPER TO EXTERIOR: 4.0 INCH THICK.

         B) WITHIN CONDITIONED AREA, FROM AUTOMATIC DAMPER TO INTERIOR: NO INSULATION REQUIRED.

         C) OUTSIDE CONDITIONED AREA: NO INSULATION REQUIRED WHERE CONDENSATION CANNOT OCCUR; OTHERWISE 2.0 INCH.

      4) OUTSIDE AIR DUCTS:

         A) WITHIN CONDITIONED AREA, FROM AUTOMATIC DAMPER TO EXTERIOR: 4.0 INCH THICK.

         B) WITHIN CONDITIONED AREA, FROM AUTOMATIC DAMPER TO INTERIOR: 2.0 INCH THICK.

         C) OUTSIDE CONDITIONED AREA: NO INSULATION REQUIRED.

20 05 19 - PIPING SPECIALTIES

1. THERMOMETERS: ADJUSTABLE ANGLE TYPE, BRASS CONSTRUCTION, 7-INCH SCALE, ALUMINUM CASE, RED READING MERCURY, WHITE FACE WITH BLACK NUMERALS, AND MARKINGS IN DEGREES F. PROVIDE SOCKETS WITH EXTENSION NECKS WHERE INSTALLED ON INSULATED PIPING. THERMOMETER TEMPERATURE RANGES SHALL BE APPROXIMATELY 30 DEG F HIGHER AND LOWER THAN NORMAL SYSTEM SETPOINT (OR OPERATING RANGE).

2. PRESSURE GAUGES: 3-1/2 INCH DIAL, STEM MOUNTING, ALUMINUM OR STAINLESS STEEL CASE, WHITE FACE WITH BLACK NUMERALS, PHOSPHOR BRONZE BOURDON TUBE, 1/4 INCH NPT BOTTOM CONNECTION. PROVIDE A SHUT-OFF COCK FOR ALL GAUGES, COIL SYPHON FOR ALL STEAM GAUGES. PRESSURE GAUGE RANGE SHALL EXTEND TO APPROXIMATELY 1.5 TIMES SYSTEM OPERATING PRESSURE, WITH NUMERAL INTERVALS 10% OF FULL RANGE.

3. WATER STRAINERS: "Y" TYPE, SAME SIZE AS THE PIPE IN WHICH INSTALLED, RATED FOR 125 PSI WORKING PRESSURE, AND WITH REMOVABLE PLUG AND SEDIMENT SCREEN. BASKET SCREEN SHALL BE STAINLESS STEEL OR MONEL, 20 MESH, WITH A NET FREE AREA OF AT LEAST 3 TIMES THAT OF THE ENTERING PIPE. PROVIDE WITH BLOWDOWN VALVE.

4. UNIONS: RATED AT MINIMUM 125 PSIG AT 200 DEGREES F; PROVIDE UNIONS AT THREADED CONNECTIONS TO ALL EQUIPMENT AND ITEMS WHICH MAY REQUIRE REPLACEMENT. PROVIDE DIELECTRIC CONNECTORS WHERE DISSIMILAR METALS JOIN; DIELECTRIC UNIONS SHALL NOT BE USED.

20 05 29 - HANGERS, SUPPORTS, SLEEVES AND SEALS

1. PIPE HANGERS AND SUPPORTS:

   A. GENERAL: SHALL CONFORM TO MSS SP-58 AND MSS SP-69 AND SHALL BE COPPER PLATED WHERE IN CONTACT WITH COPPER PIPE OR BE PROVIDED WITH FACTORY MADE ISOLATORS TO PREVENT CONTACT OF DISSIMILAR MATERIALS.

   B. REFRIGERANT PIPE: PROVIDE VIBRATION DAMPENING CUSHION CLAMPS CONSTRUCTED OF THERMOPLASTIC ELASTOMER WITH NYLON INSERT LOCK-NUTS ON REFRIGERANT PIPE AND PIPE SUBJECT TO VIBRATION.

   C. HANGERS: SHALL PERMIT ADEQUATE ADJUSTMENT AFTER ERECTION WHILE STILL SUPPORTING THE LOAD. PIPE GUIDES AND ANCHORS SHALL BE INSTALLED TO KEEP PIPES IN ACCURATE ALIGNMENT, TO DIRECT EXPANSION MOVEMENT, AND TO PREVENT BUCKLING, SWAYING, AND UNDUE STRAIN.

   D. SPACING: SHALL BE SPACED AS REQUIRED BY THE MORE STRINGENT OF MSS SP-69, CODE, PIPING MANUFACTURER, OR NOTES ON PLANS (LIMITING LOADS). CAST IRON DRAINAGE PIPE SHALL HAVE SUPPORTS INSTALLED NOT OVER 1' FROM EACH PIPE FITTING JOINT AND AT EACH CHANGE IN DIRECTION OF THE PIPING (FOR PIPING 2" AND LARGER).

   E. INSULATION: SHALL BE CONTINUOUS THROUGH ALL SUPPORTS FOR PIPING 1-1/2 INCH AND LARGER. PROVIDE WITH RIGID INSULATION INSERT AND METAL SHEILD AT SUPPORT POINT.

2. PIPING SEISMIC RESTRAINTS: PROVIDE SEISMIC BRACING FOR ALL NATURAL GAS PIPING. PROVIDE SEISMIC SUPPORTS FOR ALL OTHER PIPING 2-INCH AND LARGER LOCATED MORE THAN 12-INCHES OR MORE BELOW THE BUILDING SUPPORTING MEMBER (UNO). PROVIDE TRANSVERSE BRACING ON 20' INTERVALS, LONGITUDINAL BRACING ON 40' INTERVALS.

3. PIPE SLEEVES AND SEALS: SLEEVES SHALL BE FABRICATED OF 20 GAUGE SHEETMETAL AND SHALL ALLOW 1/2" SPACE AROUND INNER PIPE AND SHALL EXTEND AT LEAST 1" BEYOND PENETRATED ELEMENT SURFACES. PROVIDE SLEEVES AT ALL WALL, FLOOR, AND CEILING PENETRATIONS (EXCEPT WHERE COMPLETELY SOLID INTERIOR ELEMENTS SUCH AS CONCRETE SLABS ARE PENETRATED). SEAL BETWEEN SLEEVE AND PIPE WITH UL APPROVED FIRE SEALANT SYSTEM (EXCEPT WHERE INDICATED OTHERWISE). SEAL BETWEEN SLEEVE AND ELEMENT PENETRATED WITH SAME MATERIAL ELEMENT IS CONSTRUCTED OF (I.E., CONCRETE, PLASTER, ETC.). ALL SEALING SHALL BE PROVIDED SO AS TO MAINTAIN THE FIRE RATING OF THE ELEMENT BEING PENETRATED. SEALS IN EXTERIOR OR BELOW GRADE WALLS OR SLABS SHALL BE INTERLOCKING SYNTHETIC RUBBER LINK TYPE; THUNDERLINE "LINK-SEAL". SUBMIT SHOP DRAWING OR PROPOSED UL FIRE SEAL SYSTEM.

4. DUCT SUPPORTS: SHALL BE SPACED ON MAXIMUM 8 FOOT CENTERS EXCEPT WHERE THE DUCT SIZE IS LARGER THAN 24" DIAMETER (OR RECTANGULAR EQUIVALENT, E.G. 24X20) HANGERS SHALL BE ON MAXIMUM 6 FOOT CENTERS. COMPLY WITH SMACNA STANDARDS AND CODE.

5. DUCT SLEEVES AND SEALS: PROVIDE DUCT CLOSURE COLLARS FABRICATED OF GALVANIZED STEEL ANGLE, MINIMUM 1-1/2"X1-1/2" 24 GAUGE, SIZED TO SEAL OFF OPENINGS BETWEEN THE DUCT AND ELEMENT PENETRATED. PROVIDE CLOSURE COLLARS AT ALL WALL, FLOOR, AND CEILING PENETRATIONS AT MECHANICAL ROOMS. SEAL BETWEEN DUCT AND ELEMENT PENETRATED WITH UL APPROVED FIRE SEALANT (EXCEPT WHERE INDICATED OTHERWISE); PROVIDE GALVANIZE STEEL SLEEVE THROUGH ELEMENT WHERE REQUIRED AS PART OF SEAL SYSTEM. SEAL BETWEEN SLEEVE AND ELEMENT PENETRATED WITH SAME MATERIAL ELEMENT IS CONSTRUCTED OF (I.E., CONCRETE, PLASTER, ETC.). ALL SEALING SHALL BE PROVIDED SO AS TO MAINTAIN THE FIRE RATING OF THE ELEMENT BEING PENETRATED. SUBMIT SHOP DRAWING OR PROPOSED UL FIRE SEAL SYSTEM.

20 05 93 - BALANCING

1. GENERAL: SHALL BE BY A COMPANY SPECIALIZING IN THIS WORK.

2. COORDINATION: COORDINATE AND ASSIST WITH BALANCER TO ALLOW FOR ACCESS TO ALL ITEMS. PROVIDE ADDED BALANCING DEVICES AS THE BALANCER MAY REQUIRE.

3. BALANCE: BALANCE SYSTEM TO VALUES SHOWN ON DRAWINGS, PROVIDE WRITTEN REPORT DOCUMENTING UNIT DATA AND ALL BALANCING WORK. MARK FINAL DAMPER POSITIONS WITH PERMANENT MARKER. PROVIDE SHEAVES CHANGES AS DIRECTED BY THE BALANCER OR ENGINEER.

22 05 10 - PIPE AND PIPE FITTINGS

1. SEE MATERIAL REQUIREMENTS ON SHEET M-001.

2. INSTALLATION:

   A. INSTALL PIPING CONCEALED UNLESS SPECIFICALLY NOTED OTHERWISE. COORDINATE WITH OTHER TRADES AND ALL EXISTING CONDITIONS. INSTALL TO ALLOW MAXIMUM ACCESS TO COMPONENTS INSTALLED IN PIPING SYSTEM.

   B. FOLLOW ESTABLISHED PROFESSIONAL PRACTICES FOR JOINING OF PIPING AND SO AS TO SUIT THE SYSTEM PRESSURES AND TEMPERATURES INVOLVED.

22 11 00 - FACILITY WATER DISTRIBUTION

1. BALL VALVES:

   A. 2 INCHES AND SMALLER: 600 PSI NON-SHOCK COLD WORKING PRESSURE, 100 PSI AT 300 DEG F, BRONZE BODY, FULL PORT, 2 PIECE CONSTRUCTION, ANTI-BLOWOUT STEM, REINFORCED PTFE SEATS, STAINLESS STEEL OR CHROME PLATED BRASS OR SILICON BRONZE BALL, LEVER HANDLE, SOLDER OR THREADED CONNECTIONS. PROVIDE WITH EXTENDED LEVER HANDLE WHERE VALVE IS INSTALLED IN SYSTEMS WITH INSULATION THICKNESS GREATER THAN 0.5 INCH. NIBCO S-585-80-LF, T-585-80-LF (OR APPROVED).

   B. 2-1/2 INCHES AND LARGER:

      1) COLD WATER APPLICATIONS - COPPER ALLOY: 400 PSI NON-SHOCK COLD WORKING PRESSURE COPPER ALLOY BODY, FULL PORT, ANTI-BLOWOUT STEM, PTFE SEATS, STAINLESS STEEL OR CHROME PLATED BRASS BALL, PLATED STEEL LEVER HANDLE. NIBCO T-FP-600A-LF (OR APPROVED).

2. CHECK VALVES:

   A. 2 INCHES AND SMALLER:

      1) HORIZONTAL: 125 PSI-SWP BRONZE BODY HORIZONTAL SWING CHECK VALVE, REGARDING TYPE, Y-PATTERN, RENEWABLE SEAT AND DISC, SOLDER OR THREADED CONNECTION. NIBCO S-413-LF OR T-413-LF (OR APPROVED).

      2) VERTICAL: 125 PSI-SWP BRONZE BODY VERTICAL INLINE CHECK VALVE, STAINLESS STEEL OR BRONZE DISK HOLDER, BUNA-N DISK, STAINLESS STEEL SPRING ACTUATED, SOLDER OR THREADED CONNECTION. NIBCO S-480-LF OR T-480-LF (OR APPROVED).

   B. 2-1/2 INCHES AND LARGER:

      1) HORIZONTAL: 125 PSI-SWP IRON BODY VERTICAL INLINE "SILENT" CHECK VALVE, WAFER OR FLANGED STYLE, RENEWABLE SEAT AND DISK, STAINLESS SPRING ACTUATED, BRONZE DISK. NIBCO W-910 (OR APPROVED).

      2) VERTICAL: 125 PSI-SWP IRON BODY VERTICAL INLINE "SILENT" CHECK VALVE, WAFER OR FLANGED STYLE, RENEWABLE SEAT AND DISK, STAINLESS SPRING ACTUATED, BRONZE DISK. NIBCO W-910, F-910 (OR APPROVED).

3. DRAIN VALVES: BRONZE BALL VALVE, MINIMUM 125 PSI-SWP, ANTI-BLOWOUT STEM, STAINLESS STEEL OR CHROME PLATED BRASS BALL, REINFORCED TFE SEAT, SOLDER OR THREADED INLET CONNECTION, MALE 3/4 INCH HOSE THREAD OUTLET CONNECTION, WITH BRASS CAP AND CHAIN. NIBCO S-585-70-HC, T-585-70-HC (OR APPROVED).

4. ACCESSORIES

   A. TRAP PRIMER VALVE: ACTIVATED BY DROP-IN WATER PRESSURE. CONSTRUCTED OF CORROSION RESISTANT BRASS WITH INTEGRAL BACKFLOW PREVENTER, VACUUM BREAKER PORTS, DISTRIBUTION MANIFOLD TO SUIT NUMBER OF DRAINS SERVED, ADJUSTABLE TO LINE PRESSURE FOR WATER DELIVERY. PRECISION PLUMBING PRODUCTS MODEL P-1 AND P-2 (OR APPROVED).

5. BACKFLOW PREVENTERS

   A. REDUCED PRESSURE TYPE:

      1) GENERAL: WASHINGTON STATE APPROVED, WITH AIR GAP DRAIN FITTING AND RESILIENT SEATED FULL FLOW SHUTOFF VALVES AND TEST COCKS. SAME SIZE AS CONNECTING PIPE. CONFIGURATION TO SUIT APPLICATION. CONFORMING TO AWWA C 511.

      2) 2 INCHES AND SMALLER: BRONZE BODY, STAINLESS STEEL SPRINGS, BRONZE BALL VALVES, 175 PSI WORKING PRESSURE, THREADED END CONNECTIONS.

      3) 2-1/2 INCHES AND LARGER: DUCTILE IRON BODY, INTERNAL AND EXTERNAL EPOXY COATING PER AWWA C 550, OS & Y GATE ISOLATION VALVES, BRONZE TRIM, STAINLESS STEEL SPRINGS, 175 WORKING PRESSURE, CLASS 125 FLANGED END CONNECTIONS.

6. DOMESTIC WATER EXPANSION TANK

   A. TYPE: DIAPHRAGM THERMAL EXPANSION ABSORBER. AMTROL "ST" SERIES (OR APPROVED).

   B. CONSTRUCTION: WELDED STEEL CONSTRUCTION, WITH POLYPROPYLENE LINER, BUTYL/EPDM DIAPHRAGM, STAINLESS STEEL AIR CHARGING VALVE, 175 PSIG WORKING PRESSURE, CONFIGURATION/CONNECTIONS TO SUIT INSTALLATION, NSF 61 APPROVED, AND ASME CERTIFIED.

   C. CAPACITY: AS INDICATED ON PLANS; WHERE NOT INDICATED PROVIDE 4.0 GALLON TANK VOLUME (MINIMUM).

7. ELECTRIC HEAT TRACE: TYPE AND CAPACITY AS INDICATED ON EQUIPMENT SCHEDULE.

8. INSTALLATION: PROVIDE ALL PIPING AS INDICATED AND AS REQUIRED TO ALLOW SUPPLY CONNECTIONS TO EACH FIXTURE AND EQUIPMENT ITEM REQUIRING WATER SUPPLY. PROVIDE OFFSETS AS REQUIRED TO ACCOMMODATE BUILDING CONSTRUCTION AND ACCESS REQUIREMENTS PER SECTION 20 05 00. FOR MULTISTORY BUILDINGS INCLUDE COSTS TO OFFSET VERTICAL PIPING AT EACH FLOOR LEVEL SINCE STRUCTURAL MEMBER LOCATIONS WILL NOT BE THE SAME ON EACH FLOOR. COORDINATE INSTALLATION OF ITEMS WITH ALL TRADES THAT ARE AFFECTED BY THE WORK TO AVOID CONFLICTS.

9. FLUSHING AND DISINFECTION: FLUSH AND DISINFECT THE SYSTEM PER CODE. PROVIDE WATER QUALITY TESTS TO CONFIRM CLEANLINESS.

22 11 23 - DOMESTIC WATER BOOSTER PUMP

1. TYPE: FACTORY ASSEMBLED, SKID MOUNTED, DOMESTIC WATER BOOSTER SYSTEM.

2. GENERAL: THE SYSTEM SHALL BE COMPLETE FACTORY ASSEMBLED UNIT ON A STEEL SUPPORTING FRAME, REQUIRING ONLY SUCTION AND DISCHARGE PIPING CONNECTIONS, ONE ELECTRICAL POWER CONNECTION AND INSTALLATION AND WIRING INTERCONNECTION OF ANY REQUIRED REMOTE SENSORS. THE ENTIRE UNIT SHALL BE FACTORY TESTED WITH COMPLETE ELECTRICAL, HYDROSTATIC AND PERFORMANCE TESTING. IT SHALL BE CLEANED AND PAINTED WITH A HIGH-GRADE MACHINERY ENAMEL PRIOR TO SHIPMENT. THE SYSTEM SHALL BE RATED FOR TOTAL SYSTEM CAPACITY WITH INDIVIDUAL PUMPS IN THE SYSTEM SIZED AND SEQUENCED TO DELIVER A PORTION OF THE TOTAL FLOW AS DEMAND VARIES. SYSTEM SHALL PROVIDE REQUIRED CAPACITY WITH INLET (SUCTION) STATIC HEAD PRESSURE AS NOTED ON THE PLANS. ALL PUMPS SHALL BE SPEED CONTROLLED. SYSTEM SHALL MAINTAIN CONSTANT PRESSURE BY VARYING THE SPEED OF THE PUMPS AND NUMBER OF PUMPS OPERATING.

3. PUMPS: SHALL BE THE CENTRIFUGAL TYPE, MOUNTING ARRANGEMENT AS BEST SUITS AVAILABLE SPACE AND SYSTEM FLOW REQUIREMENTS. PUMP PARTS IN CONTACT WITH WATER SHALL BE MADE OF TYPE 304 OR 31 STAINLESS STEEL. PUMPS SHALL BE RATED FOR 125 PSIG (MINIMUM).

4. VARIABLE FREQUENCY DRIVES: THE SYSTEM SHALL HAVE VARIABLE FREQUENCY DRIVES (VFD'S) ON EACH PUMP MOTOR. SYSTEM SHALL INCLUDE ALL NECESSARY DEVICES FOR PROPER PUMP VFD OPERATION, AND HAVE THE SPECIFIED FEATURES.

5. VALVES: EACH PUMP'S SUCTION AND DISCHARGE CONNECTION SHALL BE FURNISHED WITH AN ISOLATED VALVE FACILITATING INDIVIDUAL PUMP SERVICE WITH SYSTEM OPERATING. EACH PUMP DISCHARGE SHALL BE EQUIPPED WITH A SILENT CHECK VALVE. THE CHECK VALVES SHALL BE BRONZE OR EPOXY COATED WITH BRONZE TRIM AND STAINLESS STEEL SPRING.

6. ACCESSORIES: EACH PUMP SHALL BE EQUIPPED WITH THERMAL SENSING AND THERMAL PURGE SYSTEM TO PROTECT THE PUMP FROM OVERHEATING. AIR BLEED FITTINGS/PETCOCKS SHALL BE PROVIDED AT ALL SYSTEM HIGH POINTS. PRESSURE GAUGES SHALL BE FURNISHED FOR INDICATION OF THE COMMON SUCTION AND DISCHARGE PRESSURES. EACH SENSING LINE SHALL BE EQUIPPED WITH AN ISOLATION BLOCK AND BLEED VALVE ARRANGEMENT. SYSTEM SHALL INCLUDE A MINIMUM 132 GALLON, 125 PSI ASME RATED PRE-CHARGED STEEL HYDRO-PNEUMATIC TANK WITH REPLACEABLE HEAVY-DUTY BUTYL RUBBER BLADDER. THE TANK SHALL INCLUDE A SYSTEM CONNECTION AND CHARGING VALVE CONNECTION.

7. CONTROLS:

   A. ALL CONTROLS (OTHER THAN ANY REMOTE SYSTEM SENSORS) SHALL BE MOUNTED IN A SINGLE ENCLOSURE. THE ENCLOSURE SHALL BE OF METAL CONSTRUCTION AND UL LISTED AS AN ASSEMBLY. THE CONTROLS SHALL INCLUDE ALL COMPONENTS AND WIRING TO ALLOW THE SYSTEM TO AUTOMATICALLY OPERATE PUMPS IN ACCORDANCE WITH SYSTEM LOAD TO MAINTAIN EVEN WATER PRESSURE (PLUS OR MINUS 5 PSIG OF SETPOINT) AT ALL TIMES.

   B. THE SYSTEM LOGIC SHALL BE BY A MICROPROCESSOR-BASED CONTROLLER AND SHALL INCLUDE AN OPERATOR INTERFACE UNIT FOR DISPLAY OF SYSTEM VARIABLES AND ADJUSTMENT OF DESIGNATED SET POINTS. FIELD PROGRAMMING SHALL BE PASSWORD ACCESSIBLE.

   C. THE OPERATOR INTERFACE UNIT SHALL OFFER THE FOLLOWING FEATURES: 2X20 CHARACTER DISPLAY, BACK-LIT LCD, ALARMS, MEMBRANE KEYPAD. ALL SYSTEM MESSAGES WILL BE DISPLAYED IN PLAIN ENGLISH WITH STANDARD ENGINEERING UNITS.

   D. MOTOR CIRCUIT PROTECTION SHALL BE PROVIDED FOR EACH MOTOR TO PROTECT THE MOTOR FROM SHORT CIRCUIT AND THERMAL OVERLOAD CONDITIONS. OVERLOADS SHALL BE SET FOR HIGH STARTING AMPERAGE WITHOUT NUISANCE TRIPPING.

   E. SYSTEM SHALL INCLUDE AS A MINIMUM, TWO PRESSURE TRANSMITTERS FOR MONITORING THE SYSTEM SUCTION AND SYSTEM DISCHARGE PRESSURES, AND A FLOW SENSOR TO MONITOR SYSTEM FLOW.

   F. THE CONTROL PANEL SHALL INCLUDE INDIVIDUAL PUMP HAND-OFF-AUTO SELECTORS (MAY BE PART OF VFD'S). THE CONTROL PANEL SHALL INCLUDE AN AUDIBLE ALARM HORN TO ANNUNCIATE A FAULT CONDITION. SPECIFIC CAUSE OF FAULT WILL BE DISPLAYED ON THE UNIT DISPLAY PANEL. SYSTEM SHALL HAVE ALARM CONTACTS FOR CONNECTION TO THE BUILDING EMCS TO INDICATE A FAULT CONDITION.

   G. THE SYSTEM WILL INCLUDE ALL NECESSARY TRANSFORMERS TO POWER ALL CONTROLS AND OTHER ITEMS REQUIRING POWER OF A DIFFERENT VOLTAGE/PHASE THAN CONNECTED TO THE ASSEMBLY. TRANSFORMER(S) PRIMARY AND SECONDARY SHALL BE FUSE PROTECTED.

   H. MONITORED ALARMS: THE CONTROLLER SHALL MONITOR THE SYSTEM FOR THE FOLLOWING FAULT CONDITIONS: PUMP FAILURE, LOW DISCHARGE PRESSURE, HIGH DISCHARGE PRESSURE, LOW SUCTION PRESSURE, LOW SUCTION LEVEL, AND VFD ALARM.

8. CONTROL LOGIC:

   A. THE SYSTEM SHALL BE DESIGNED

MECHANICAL SPECIFICATIONS CONTINUED

22 33 00 - DOMESTIC WATER HEATERS

1. TYPE, CAPACITY AND EFFICIENCY AS INDICATED IN EQUIPMENT SCHEDULE. CONSTRUCTED IN ACCORDANCE WITH ASME CODE, UL LISTED, AND NSF APPROVED.

2. WARRANTY: TANK SHALL BE WARRANTED TO BE FREE FROM DEFECTS FOR THREE YEARS.

22 40 00 - PLUMBING FIXTURES

1. GENERAL:

   A. PROVIDE NEW FIXTURES AND FITTINGS, APPROVED, FREE FROM FLAWS AND BLEMISHES WITH FINISHED SURFACES CLEAR, SMOOTH AND BRIGHT. VISIBLE PARTS OF FIXTURE BRASS AND ACCESSORIES, AND ALL ITEMS LOCATED IN ACCESSIBLE CABINET SPACES, SHALL BE HEAVILY CHROME PLATED. ALL STOPS, P-TRAPS AND ITEMS EXPOSED TO VIEW SHALL BE CHROME PLATED (EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE). ALL PRODUCTS AND CONNECTIONS SHALL BE IN COMPLIANCE WITH CODE, LOCAL UTILITIES DEPARTMENT STANDARDS, AND HEALTH DEPARTMENT REQUIREMENTS.

   B. TYPES: VERIFY SPECIFIED FIXTURE TYPES WITH THE ARCHITECTURAL AND PLUMBING DRAWINGS TO CONFIRM THE REQUIREMENTS ARE CONSISTENT (E.G. FIXTURES ARE WALL MOUNTED VERSUS FLOOR MOUNTED TYPE, LOCATIONS OF ADA FIXTURES MATCH, ETC.). WHERE CONFLICTS OCCUR CLEARLY IDENTIFY THE ISSUE ON THE FIXTURE SUBMITTAL ALONG WITH A PROPOSED RESOLUTION; OR RESOLVE PRIOR TO MAKING THE SUBMITTAL BY THE PROJECT RFI PROCESS.

   C. SPACE VERIFICATION: PRIOR TO ORDERING ANY FIXTURES OR MAKING SUBMITTALS, CONTRACTOR SHALL CHECK THE DRAWINGS AND VERIFY THAT ALL FIXTURES WILL FIT THE SPACE AVAILABLE (I.E. FIXTURES FIT ANY CABINETS FIXTURES ARE TO BE INSTALLED IN; FIXTURES HAVE ADEQUATE ACCESS CLEARANCES FOR PROPER USE; ETC.).

   D. LEAD-FREE REQUIREMENT: ALL ITEMS IN CONTACT WITH POTABLE WATER SHALL BE LEAD FREE. FIXTURES USED TO DISPENSE POTABLE WATER FOR DRINKING SHALL MEET THE REQUIREMENTS OF NSF/ANSI 61.

      1) ALL VITREOUS CHINA AND ENAMELED CAST IRON FIXTURES SHALL BE FINISHED WHITE UNLESS SPECIFICALLY NOTED OTHERWISE.

      2) ALL STAINLESS STEEL SINKS SHALL BE SOUND DEADENED, AND SHALL HAVE FAUCET LEDGE (EXCEPT WHERE NOTED SPECIFICALLY WITHOUT LEDGE).

      3) IN INTERESTS OF OWNER'S STANDARDIZATION, FIXTURES OF SIMILAR TYPE SHALL BE PRODUCT OF ONE MANUFACTURER; TRIM OF SIMILAR TYPE SHALL BE PRODUCT OF ONE MANUFACTURER.

2. CARRIERS: TYPE TO SUIT FIXTURE AND BUILDING CONSTRUCTION, WITH ADDED ANCHORS, BRACING, WALL BACKING AND ACCESSORIES TO COMPLY WITH MAXIMUM SPECIFIED FIXTURE MOVEMENT. CONCEALED IN WALL. PROVIDE WITH ALL HARDWARE AND ACCESSORIES FOR PROPER FIXTURE SUPPORT TO SUIT THE APPLICATION.

3. SPECIALTIES

   A. GENERAL: UNLESS INDICATED OTHERWISE, THE FOLLOWING FITTINGS AND MATERIALS (I.E. SPECIALTIES) SHALL BE USED.

   B. FIXTURE TRAPS: 17 GAGE SEAMLESS CHROME PLATED CAST BRASS TUBING, WITH 2 INCH MINIMUM SEAL, AND CLEANOUT, SIZE AS REQUIRED BY UNIFORM PLUMBING CODE (UNLESS A LARGER SIZE IS INDICATED), AND CONFIGURED TO SUIT THE APPLICATION.

   C. STOPS: QUARTER TURN BALL VALVE WITH LOOSE KEY, SIZE AS REQUIRED.

   D. RISERS: FLEXIBLE BRAIDED STEEL TYPE; RATED FOR 125 PSIG.

   E. ESCUTCHEONS: CHROME PLATED, LOW PROFILE.

   F. HOT WATER TEMPERATURE LIMITING VALVE: THERMOSTATIC WATER TEMPERATURE MIXING VALVE WITH INTEGRAL CHECKS, COMPLYING WITH ASSE 1070 AND UPC CHAPTER 4. BRASS BODY WITH BRASS AND STAINLESS STEEL INTERNAL COMPONENTS. LEONARD "ECO-MIX" 270 / SYMMONS "MAXLINE" MODEL 5-210.

4. INSTALLATION OF FIXTURES

   A. GENERAL: ALL FIXTURES SHALL BE COMPLETELY CONNECTED TO PIPING AS NEEDED TO MAKE A COMPLETE AND OPERABLE INSTALLATION.

   B. FIXTURE LOCATIONS: MOUNTING HEIGHTS AND LOCATIONS OF FIXTURES SHALL BE AS SHOWN ON THE ARCHITECTURAL DRAWINGS AND IN ACCORDANCE WITH CONTRACT DOCUMENT REQUIREMENTS. LOCATIONS SHALL BE VERIFIED AND COORDINATED WITH THE VARIOUS TRADES AFFECTED BY THE INSTALLATION OF THESE FIXTURES. WHEN NO INDICATED OR SHOWN, OBTAIN MOUNTING LOCATION AND HEIGHTS FROM THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION.

   C. ROUGH-IN: DETERMINE ROUGH-IN LOCATION OF FIXTURE UTILITIES TO SUIT FIXTURE LOCATION, FIXTURE DIMENSIONS, ELEMENTS OF CONSTRUCTION (I.E. BEAMS, STUDS, ELECTRICAL, DUCTS, ETC.), ACCESS REQUIREMENTS, CASEWORK DIMENSIONS, ITEMS WHICH MAY DRAIN/CONNECT TO FIXTURE, USE OF FIXTURE, AND RELATED CONSIDERATIONS. THE FIXTURE ROUGH-IN LOCATIONS INDICATED ON THE PLANS IS SCHEMATIC, AND IS NOT TO BE USED FOR FINAL ROUGH-IN PURPOSES.

   D. OFFSETS: PROVIDE OFFSETS IN PIPING TO FIXTURES TO ACCOMMODATE BUILDING SYSTEMS. SUCH OFFSETS SHALL INCLUDE OFF-SETTING WASTE PIPING INTO CABINET BASES (IN KICK SPACE WHERE POSSIBLE) TO ACCOMMODATE BEAMS LOCATED DIRECTLY BELOW WALLS BEHIND FIXTURES.

   E. CARRIERS: ALL OFF-THE-FLOOR (I.E. WALL) MOUNTED FIXTURES SHALL BE INSTALLED WITH SUPPORTING CARRIERS AND ADDITIONAL ANCHORS, BRACING AND SUPPORTS TO TRANSMIT FIXTURE LOADS TO THE FLOOR AND BUILDING STRUCTURE WITHOUT EXCEEDING THE MAXIMUM SPECIFIED FIXTURE MOVEMENT. PRIOR TO CONCEALING CARRIER AND ASSOCIATED SUPPORTS REVIEW ADEQUACY OF SUPPORT SYSTEM WITH ARCHITECT/ENGINEER.

   F. FIXTURE SEALANT: WHERE FIXTURES ABUT TO WALLS, FLOORS, AND CABINETS SEAL ALL JOINTS WITH A UNIFORM FILLET BEAD OF SEALANT. PROVIDE AT OTHER LOCATIONS AS RECOMMENDED BY FIXTURE MANUFACTURER.

   G. ESCUTCHEONS: PROVIDE ESCUTCHEONS AT EACH POINT WHERE AN EXPOSED PIPE OR OTHER FITTING PASSES THROUGH WALLS, FLOORS, BACKS OF CABINETS, OR CEILINGS.

   H. CLEANING: AFTER COMPLETION OF INSTALLATION REMOVE ALL LABELS AND THOROUGHLY CLEAN ALL FIXTURES, TRIM AND FITTINGS.

23 31 00 - DUCTWORK SYSTEMS

1. GENERAL: FABRICATE AND INSTALL DUCTWORK IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARDS, ASHRAE HANDBOOKS, AND CODE.

2. DUCT SIZES: ALL DUCT SIZES ARE INSIDE CLEAR DIMENSIONS. WHERE INSIDE DUCT LINING IS SHOWN, DUCT DIMENSIONS ARE TO THE INSIDE FACE OF LINING.

3. DUCT PRESSURE CLASS: CONSTRUCT TO NEXT HIGHER PRESSURE CLASS ACCORDING TO THE FAN STATIC PRESSURE WHICH SERVES THE DUCT SYSTEM (PLUS OR MINUS AS APPROPRIATE).

4. DUCTS: CONSTRUCT OF GALVANIZED SHEET STEEL, SUITABLE FOR LOCK FORMING WITHOUT FLAKING OR CRACKING, CONFORMING TO ASTM A653 AND A924, HAVING A ZINC COATING OF 0.90 OUNCES TOTAL PER SQUARE FOOT FOR BOTH SIDES OF A SHEET, CORRESPONDING TO COATING DESIGNATION G90. DUCT GAUGE, REINFORCEMENT, JOINTS, SEAMS AND CONNECTIONS SHALL BE AS SHOWN IN SMACNA HVAC DUCT CONSTRUCTION STANDARDS ACCORDING TO THE PRESSURE CLASS OF THE SYSTEM AND THE DUCT DIMENSIONS. SELECT HEAVIER GAUGE DUCT WITHOUT (OR WITH SMALLER) REINFORCEMENT TO SUIT SPACE AVAILABLE.

5. DUCT LINING:

   A. LINING MATERIAL: FLEXIBLE, INORGANIC GLASS FIBER MATERIAL, MAXIMUM THERMAL CONDUCTIVITY OF 0.26 BTU-INCH/HR-SQ.FT.-DEGREES F AT 75 DEGREES F. COATED TO PREVENT EROSION, AND CONFORMING TO SMACNA DUCT LINER APPLICATION STANDARD. LINING SHALL BE 1-INCH THICK (UNO). ADHESIVE, FASTENERS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH SMACNA APPLICABLE STANDARDS.

   B. RECTANGULAR DUCTS: CONTRACTOR FABRICATED WITH INTERIOR DUCT LINING MATERIAL.

6. MANUAL DAMPERS: SHALL BE FABRICATED OF GALVANIZED STEEL, TWO GAUGES HEAVIER THAN DUCT IN WHICH INSTALLED. REGULATOR SETS SHALL HAVE QUADRANT DIAL REGULATOR WITH LOCKING NUT, SQUARE END BEARING ONE SIDE, AND SPRING OR ROUND END BEARING OTHER SIDE.

7. DUCT ACCESS DOORS: DOUBLE WALL, MINIMUM 14 GAUGE, HINGED OR CAMLOCK ACCESS DOOR. DOORS IN INSULATED DUCT SHALL BE INSULATED TYPE.

8. DUCT INSTALLATION: INSTALL ALL DUCTWORK IN SIZES AND LOCATIONS AS SHOWN ON THE DRAWINGS AND AS BUILDING CONSTRUCTION ALLOWS. PROVIDE ALL ACCESSORIES AND CONNECTIONS TO PROVIDE COMPLETE AND OPERABLE HEATING, VENTILATING, AIR CONDITIONING, AND EXHAUST SYSTEMS. DUCT SHALL BE INSTALLED LEVEL AND IN NEAT LINES WITH THE BUILDING CONSTRUCTION. ALL DUCTS ARE TO BE INSTALLED CONCEALED UNLESS INDICATED OTHERWISE.

9. DUCT SEALING: SEAL ALL JOINTS IN ACCORDANCE WITH SEAL CLASSIFICATION AS SHOWN IN SMACNA HVAC DUCT CONSTRUCTION STANDARDS AND PER CODE.

10. DRAIN PANS: GALVANIZED STEEL DRAIN PAN, FULLY WELDED TO BE WATERTIGHT WITH 3/4-INCH DRAIN CONNECTION. SIZE TO FULLY CAPTURE LEAKAGE OF ITEM SERVED.

11. GREASE DUCT: PROVIDE GREASE DUCT PER CODE WITH MINIMUM FREE AREA AS SHOWN ON PLANS.

23 34 00 - FANS

1. GENERAL:

   A. FANS SHALL BEAR AMCA CERTIFIED SEAL UNLESS INDICATED OTHERWISE.

   B. GUARDS: FANS SHALL BE EQUIPPED WITH BELT GUARDS. GUARDS SHALL BE FACTORY FABRICATED AND COMPLY WITH OSHA REGULATIONS. ALL EXPOSED OPENINGS INTO FAN HOUSINGS SHALL BE PROTECTED WITH SUBSTANTIAL METAL SCREENS OR GRATINGS.

   C. DRIVES: SHALL BE SIZED FOR NOT LESS THAN 150% OF THE RATED MOTOR HORSEPOWER.

   D. MOTORS: SHALL BE U.L LISTED TEFC TYPE, METING WSEC EFFICIENCY REQUIREMENTS.

   E. CAPACITY: FAN CAPACITY SHALL NOT BE LESS THAN THE VALUES LISTED ON THE DRAWINGS. FAN PERFORMANCE RATINGS SHALL BE BASED ON LABORATORY TESTS CONDUCTED IN ACCORDANCE WITH AMCA TEST CODE.

   F. OUTLETS AND INLETS: EQUIPMENT SHALL BE FURNISHED WITH ATTACHMENT ANGLES AND/OR FLANGES AS REQUIRED FOR ATTACHING DUCTWORK FLEXIBLE CONNECTIONS AS SHOWN ON THE DRAWINGS.

   G. FINISH: ALL FANS SHALL HAVE FACTORY APPLIED ENAMEL FINISH (MANUFACTURER'S STANDARD COLOR) OVER A RUST INHIBITING PRIMER BASE COAT.

2. INSTALLATION: PROVIDE FLEXIBLE CONNECTIONS IN DUCTWORK CONNECTIONS TO ALL FANS WHERE SHOWN ON DRAWINGS. INSTALL ALL FANS WITH VIBRATION ISOLATORS SO THAT NO EXCESSIVE VIBRATION IS TRANSMITTED TO THE STRUCTURE. PRIOR TO AIR BALANCING, CHECK FOR CORRECT ROTATION, TIGHTEN BELTS TO PROPER TENSION AND LUBRICATE BEARINGS PER MANUFACTURER'S RECOMMENDATIONS.

23 37 00 - AIR INLETS AND OUTLETS

1. GENERAL: STEEL OR ALUMINUM CONSTRUCTION, PROVIDE WITH FRAME FOR MOUNTING IN 2X2 T-BAR CEILING SYSTEM EXCEPT WHERE A DIFFERENT CEILING TYPE IS NOTED ON THE ARCHITECTURAL DRAWINGS (I.E. GWB IN RESTROOM, ETC.). PROVIDE WITH OPPOSED BLADE DAMPERS WHERE NOTED AND WHERE A DAMPER WOULD NOT BE ACCESSIBLE. GRILLES SHALL HAVE BAKED ON OFF-WHITE FACTORY FINISH.

2. INSTALLATION: INSTALL DIFFUSERS AS SHOWN ON DRAWING; PROVIDE WITH TRANSITION TO ALLOW FOR CONNECTION FROM DUCT TO DIFFUSER. FLEXIBLE DUCT MAY BE USED FOR CONNECTING FROM DUCT TO DIFFUSER.

23 72 23 - ENERGY RECOVERY VENTILATOR - DEDICATED OUTDOOR AIR SYSTEM (DOAS)

1. INDOOR ERV (DOAS):

   A. GENERAL: PACKAGED ENERGY RECOVERY VENTILATOR USING FIXED PLATE ENTHALPY HEAT EXCHANGER. UNIT SHALL BE COMPLETE SINGLE PACKAGE, SELF CONTAINED FACTORY ASSEMBLED UNIT, REQUIRING ONLY ELECTRICAL, DUCT, AND CONTROL CONNECTIONS TO OPERATE. CAPACITY SHALL BE AS SCHEDULED AT THE CONDITIONS NOTED. MINIMUM 20 GAUGE G-90 GALVANIZED STEEL CABINET WITH INSULATED CONSTRUCTION. ACCESS DOORS SHALL BE CONSTRUCTED SAME AS CABINET, SIZE TO ACCESS UNIT INTERNALS, WITH FULL PERIMETER GASKET.

   B. FAN(S): INTEGRAL SUPPLY AND EXHAUST FANS, DIRECT DRIVE, STEEL OR ALUMINUM CONSTRUCTION, MULTI-BLADE CENTRIFUGAL TYPE. MOTORS SHALL BE ECM TYPE.

   C. FILTERS: UNIT SHALL BE PROVIDED WITH FILTER RACKS FOR ACCOMMODATING FILTERS AS SCHEDULED. ACCESS TO FILTERS SHALL BE THROUGH UNIT ACCESS DOORS.

   D. ELECTRICAL: UNIT SHALL BE FOR USE WITH SINGLE POINT ELECTRICAL POWER CONNECTION. UNIT SHALL BE FURNISHED WITH ALL NECESSARY WIRING, RACEWAY, TRANSFORMERS, CONTACTORS, RELAYS, MOTOR STARTERS, AND ACCESSORIES WITH POWER AND CONTROLS CONNECTED TO ALL UNIT DEVICES FOR UNIT OPERATION AND WITH THE SPECIFIED SEQUENCE. ELECTRICAL SHALL COMPLY WITH NEC AND LOCAL CODE REQUIREMENTS. UNIT SHALL HAVE A MAIN FUSED POWER DISCONNECT. DISCONNECTS SHALL COMPLY WITH NEC, AND BE ACCESSIBLE FROM OUTSIDE UNIT ENCLOSURE.

   E. CONTROLS: UNIT CONTROL SHALL BE BY SECTION 23 09 33; UNIT SHALL HAVE LIMITED FACTORY CONTROLS TO PROVIDE NECESSARY SAFETIES AND TO ALLOW FOR CONTROL BY SECTION 23 09 33. SECTION 23 09 33 SHALL ENABLE UNIT FANS WHEN "RUN" TERMINALS ARE CONNECTED. UNIT SHALL BE FURNISHED WITH ALL NECESSARY RELAYS, STARTERS, WIRING TERMINAL STRIPS, TIMERS, SAFETY DEVICES, ETC. TO ALLOW FOR THE SEQUENCE OF OPERATION AS SPECIFIED IN SECTION 23 09 33 USING THE SECTION 23 09 33 CONTROL SYSTEM.

SECTION 23 09 33 - ELECTRONIC CONTROLS FOR HVAC

1. DESIGN AND INSTALLATION: THE ENTIRE CONTROL SYSTEM SHALL BE DESIGNED AND INSTALLED BY SKILLED TECHNICIANS CONTROL SYSTEM DESIGNERS, ELECTRICIANS AND MECHANICS, ALL OF WHOM ARE PROPERLY TRAINED AND QUALIFIED FOR CONTROL SYSTEM DESIGN AND INSTALLATION.

2. PROGRAMMABLE THERMOSTAT: SHALL BE 7-DAY PROGRAMMABLE SOLID STATE TYPE, SPECIFICALLY DESIGNED FOR COMMERCIAL USE. UNIT (AND RELATED RELAY MODULE, AND CONTROLS) SHALL ALLOW FOR 1ST-STAGE ECONOMIZER COOLING, 2ND STAGE UNIT COOLING, 1ST STAGE HEATING, 2ND STAGE HEATING AND PROVIDE OTHER FEATURES AS REQUIRED BY THE SEQUENCE OF OPERATION. THERMOSTAT SHALL HAVE MEANS TO BYPASS TIME CLOCK, HAVE AUTO-COOL-OFF-HEAT SWITCHING, SETPOINT ADJUSTMENTS, AND TIME/DAY ADJUSTMENTS. UNIT SHALL ALSO HAVE CAPABILITY FOR AVERAGING MULTIPLE REMOTE THERMOSTAT SENSORS.

3. GENERAL TIME CLOCK: 365 DAY PROGRAMMABLE TIMECLOCK, FOR CONTROL OF UP TO INDEPENDENT LOADS EACH WITH A DIFFERENT SCHEDULE, WITH MULTIPLE SETPOINTS OF PROGRAMMING. EACH OUTPUT ABLE TO BE PROGRAMMED AS A MAINTAINED OR MOMENTARY CONTACT CLOSURE WITH DURATION OF 1 TO 59 SECONDS. FEATURES SHALL INCLUDE: TIME OF DAY SCHEDULING, HOLIDAY PROGRAMMING, DAYLIGHT SAVINGS TIME ADJUSTMENT, LEAP YEAR CORRECTION, MANUAL OVERRIDE, AND BATTERY BACK-UP (FOR ONE MONTH OPERATION WITHOUT POWER).

4. CONTROL DAMPERS: PARALLEL BLADE OR OPPOSED BLADE TYPE, CLASS 1A LEAKAGE, AS SELECTED BY CONTRACTOR TO BEST SUIT APPLICATION (UNLESS A SPECIFIC TYPE IS INDICATED).

5. ACTUATORS: BRUSHLESS DC MOTOR TYPE CONTROLLED BY A MICROPROCESSOR WITH MANUAL POSITIONING MECHANISM AND CONTROL DIRECTION OF ROTATION SWITCH ACCESSIBLE ON ITS COVER, COMPATIBLE WITH CONTROL DEVICES USED WITH. ACTUATOR SHALL BE PROPORTIONAL OR TWO POSITION TYPE, AS REQUIRED FOR APPLICATION. ALL ACTUATORS SHALL SPRING RETURN UPON POWER INTERRUPTION.

6. ELECTRICAL:

   A. POWER: IT SHALL BE THE RESPONSIBILITY OF THE CONTROL CONTRACTOR TO PROVIDE POWER FOR ALL CONTROL DEVICES REQUIRING POWER. COORDINATE WITH THE DIVISION 26 CONTRACTOR TO ARRANGE FOR NECESSARY POWER CIRCUITS. ALL CONTROL DEVICES SHALL OBTAIN POWER FROM CIRCUITS DEDICATED TO CONTROL POWER.

   B. GENERAL: PROVIDE ALL ELECTRICAL WIRING AND DEVICES IN ACCORDANCE WITH APPLICABLE CODES AND DIVISION 26 REQUIREMENTS.

   C. CONDUIT: ALL WIRING SHALL BE INSTALLED IN CONDUIT AND IN ACCORDANCE WITH DIVISION 26 SPECIFICATIONS, EXCEPT THAT LOW VOLTAGE WIRING WITHIN CEILING PLENUM SPACES, MECHANICAL MEZZANINES, AND ATTICS MAY BE INSTALLED WITHOUT CONDUIT. WIRING IN WALLS SHALL BE IN CONDUIT.

   D. MOTOR STARTERS: SHALL BE BY DIVISION 26; EXCEPT FOR LOADS 1/2 HP AND LESS WHICH SHALL BE BY THIS SECTION.

7. MISCELLANEOUS CONTROLS: PROVIDE ALL NECESSARY CONTROL WIRING BETWEEN UNITS FURNISHED UNDER OTHER SPECIFICATION SECTIONS TO ALLOW FOR PROPER OPERATION.

SECTION 23 09 93 - HVAC SEQUENCE OF OPERATION

1. GENERAL: PROVIDE COMPLETE SYSTEM WITH SEQUENCES OF OPERATION AS SPECIFIED HEREIN. PROVIDE COMPLETE CONTROL SYSTEM SHOP DRAWINGS INDICATING ALL CONTROL DEVICES AND WIRING CONNECTIONS; SEE SECTION 23 09 33. ALL TEMPERATURE SETPOINTS AND TIME CONTROL SETTINGS SHALL BE ADJUSTABLE. VARIOUS THERMOSTATS ARE NOT SHOWN ON THE DRAWINGS BUT ARE REQUIRED PER THE SEQUENCE OF OPERATION SPECIFIED. COORDINATE WITH ENGINEER FOR LOCATION OF ALL SUCH THERMOSTATS PRIOR TO INSTALLING. SEE PLANS FOR UNITS WITH MOTORIZED DAMPERS IN THE DUCTS AND MISCELLANEOUS OTHER ITEMS REQUIRING CONTROL.
2. FANS: SEE PLANS FOR WHICH OF THE FOLLOWING CONTROL METHOD IS REQUIRED.
   A. FAN SHALL RUN CONTINUOUSLY AT LOW SPEED SCHEDULED WHEN SWITCH IS OFF. FAN SHALL RAMP UP TO HIGH SPEED SCHEDULED WHEN SWITCH IS ON.
   B. TIME SCHEDULE: FAN SHALL RUN FROM TIME SCHEDULE.
   C. FIRE ALARM: INTERLOCK STAIRWELL PRESSURIZATION FAN WITH FIRE ALARM SYSTEM. WHEN FIRE ALARM IS ACTIVATED, THE FAN SHALL RUN. FAN SHALL BE OFF OTHERWISE. INTERLOCK DAMPER TO OPEN WHEN FAN RUNS, OFF OTHERWISE. DAMPER ACTUATOR SHALL BE QUICK OPENING TYPE, LESS THAN 5 SECONDS. WHEN RUNNING, THE FAN SHALL MODULATE SPEED TO MAINTAIN A POSITIVE W.C. PRESSURE DIFFERENTIAL BETWEEN THE STAIRWELL SHAFT (OR ELEVATOR SHAFT) AND THE FLOORS OUTSIDE THE STAIRWELL, PER IBC.
   D. PARKING GARAGE CONTROLS: SMALL FAN SHALL RUN CONTINUOUSLY. IF EITHER CO OR NO2 IS ABOVE SETPOINT, LARGE FAN SHALL RUN.
4. HEAT PUMPS - APARTMENT UNITS:
   A. GENERAL: HEATER SHALL BE CONTROLLED BY A PROGRAMMABLE WALL THERMOSTAT
   B. OCCUPIED MODE: HEATER SHALL BE ON ONCE SPACE TEMPERATURE HAS FALLEN BELOW SETPOINT, AND SHALL BE OFF ONCE TEMPERATURE HAS RISEN 2 DEG F OR MORE ABOVE SETPOINT.
   C. UNOCCUPIED MODE: HEATER SHALL BE ON ONCE SPACE TEMPERATURE HAS FALLEN BELOW UNOCCUPIED SETPOINT, AND SHALL BE OFF ONCE TEMPERATURE HAS RISEN 2 DEG F OR MORE ABOVE UNOCCUPIED SETPOINT.
5. ELECTRIC HEATERS - OTHER AREAS: CONTROL OFF INTEGRAL HEATER; ALLOW CONTINUOUS OPERATION.
6. ERV: UNIT SHALL RUN CONTINUOUSLY TO PROVIDE WHOLE-HOUSE VENTILATION (OR CORRIDOR VENTILATION). PROVIDE APARTMENT UNITS WITH WALL SWITCH WITH LABEL READING "WHOLE HOUSE VENTILATION - LEAVE ON UNLESS OUTDOOR AIR QUALITY IS VERY POOR" DUCT HEATER SHALL BE CONTROLLED BY DUCT TEMPERATURE SENSOR TO MAINTAIN SUPPLY AIR TEMPERATURE SETPOINT. INITIAL SETPOINT SHALL BE 70 DEGREES F.
7. SUMP PUMP: OPERATE OFF INTEGRAL CONTROLS. PROVIDE ALARM AT CONTROL PANEL IF PUMP IS COMMANDED ON FOR MORE THAN 5 MINUTES AT A TIME.
8. MISCELLANEOUS
   A. MISCELLANEOUS DAMPERS/DEVICES: SEE PLANS FOR OTHER DAMPERS AND DEVICES REQUIRING CONTROL, PROVIDE CONTROL INDICATED. WHERE CONTROL IS NOT INDICATED PROVIDE STANDARD SEQUENCE TYPICAL FOR SUCH DEVICES IN SIMILAR PROJECTS/APPLICATIONS.
   B. HEAT PUMP UNITS: SHALL BE CONTROLLED BY INTEGRAL CONTROLS AND A LOCAL WALL THERMOSTAT FURNISHED WITH THE UNITS.
   C. DAMPERS: SEE PLANS FOR VARIETY OF DAMPERS, TO BE INTERLOCKED WITH EQUIPMENT SERVED (OR SERVING THE AREA).

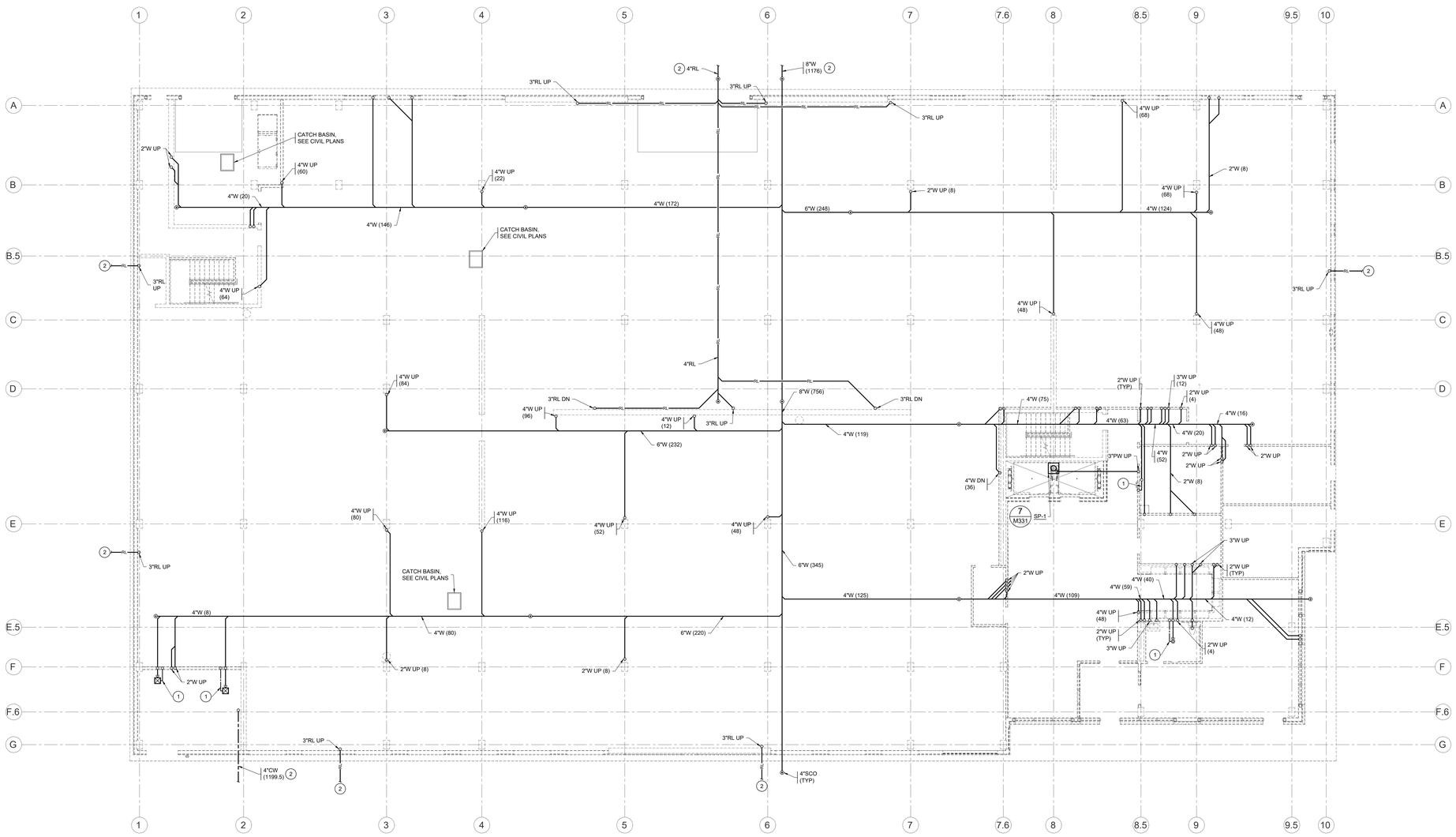
23 81 10 - HEAT PUMPS - DUCTLESS

1. HEAT PUMP UNIT:
   A. TYPE: SPLIT SYSTEM DUCTLESS HEAT PUMP.
   B. INDOOR UNIT: WALL (OR CEILING) SUSPENDED UNIT (CONFIGURATION AS INDICATED ON PLANS), WITH FAN, ADJUSTABLE DISCHARGE OUTLET, AIR FILTER, EVAPORATOR COIL, REFRIGERANT METERING DEVICE, HEAVY GAUGE STEEL CHASSIS, WHITE PLASTIC ENCLOSURE, CONTROLS, CONDENSATE PAN AND DRAIN CONNECTION, AND RELATED ACCESSORIES TO OPERATE PROPERLY WITH OUTDOOR UNIT. UNIT SHALL HAVE DIP SWITCHES ADJUSTING FAN SPEEDS DURING DIFFERENT OPERATING MODES AND WHEN THERMOSTAT IS SATISFIED.
   C. OUTDOOR UNIT: OUTDOOR CONDENSER AND COMPRESSOR UNIT, WITH HIGH EFFICIENCY ROTARY COMPRESSOR, CONDENSER COIL, CONDENSER FAN, ACCUMULATOR, REFRIGERANT PIPING, WIND BAFFLE ACCESSORY, HEAVY GAUGE STEEL CHASSIS, BAKED ENAMEL FINISH STEEL CABINET, CONTROLS, COIL GUARD, MOUNTING LEGS, AND RELATED ACCESSORIES TO PROVIDE CAPACITY INDICATED. OUTDOOR UNIT SHALL BE FOR USE WITH MULTIPLE INDOOR UNITS.
   D. CAPACITY: AS SCHEDULED ON DRAWINGS AT THE CONDITIONS INDICATED. UNIT SHALL PROVIDE COOLING DOWN TO 0 DEG F AMBIENT. UNIT SHALL BE ABLE TO OPERATE WITH REFRIGERANT RUNS UP TO 164 FEET LONG. SHALL BE RATED IN ACCORDANCE WITH AHRI STANDARDS.
   E. ELECTRICAL AND CONTROLS: INDOOR AND OUTDOOR UNITS SHALL BE PROVIDED WITH ALL CONTACTORS, RELAYS, WIRING TERMINALS, SAFETY CONTROLS, MICROPROCESSOR DEVICES, DIP SWITCHES, AND ACCESSORIES TO ALLOW FOR SPECIFIED SEQUENCE OF OPERATION REQUIRING ONLY CONNECTION OF ROOM CONTROLLER, POWER, AND INTERCONNECTION BETWEEN INDOOR AND OUTDOOR UNITS. ROOM CONTROLLER SHALL BE THE ELECTRONIC TYPE, WITH LIQUID CRYSTAL DISPLAY, ROOM TEMPERATURE SENSOR, ON/OFF/AUTO FUNCTIONS, TEMPERATURE SETPOINT, FAN SPEED INDICATOR, AND SELF DIAGNOSTIC DISPLAY.
   F. CONDENSATE PUMP: PROVIDE UNIT WITH CONDENSATE PUMP. WHERE NOT AVAILABLE INTERNAL TO UNIT, PROVIDE EXTERNAL TYPE, WITH HOLDING TANK, CONTROLS, AND GPM CAPACITY AT LEAST 4 TIMES UNIT CONDENSATE RATE, AT 10 FEET OF HEAD. PROVIDE MOUNTING ASSEMBLY AND ACCESSORIES FOR COMPLETELY CONNECTED AND FUNCTIONING UNIT.
2. REFRIGERANT PIPING HARD DRAWN ACR COPPER TUBING PER ASTM B280, TYPE L, WITH SILVER BRAZED JOINTS AND WROUGHT COPPER FITTINGS PER ASME B16.22. USE ONLY LONG RADIUS ELBOWS. FLARED FITTINGS (AT EQUIPMENT CONNECTIONS ONLY) SHALL COMPLY WITH ASME B16.26. SOFT COPPER TUBING MAY ONLY BE USED ON RUNS LESS THAN 50-FEET OR WHERE NECESSARY (I.E. WHEN ROUTING THROUGH SLEEVES, OR SIMILAR POOR ACCESS AREAS).
3. INSTALLATION:
   A. GENERAL: INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND CODE. INSTALL ALL EQUIPMENT AT LOCATIONS AND AS SHOWN ON THE DRAWINGS. INSTALL SO AS TO ALLOW MAXIMUM ACCESS TO UNIT. PRIOR TO SELECTING UNIT FINAL LOCATION, CONFIRM THAT: PROPER UNIT CLEARANCES AND ACCESS WILL BE PROVIDED; NO ADVERSE AIRFLOW CONDITIONS ARE PRESENT; CONFIRM LOCATION AND INSTALLATION DETAILS WITH OTHER TRADES. UNITS SHALL BE LEVEL AND ALIGNED WITH BUILDING WALLS. SET OUTDOOR UNIT ON CONCRETE PAD (OR ROOF SLEEPERS); ANCHOR TO PAD (OR SLEEPERS). CONNECT AND INSTALL ALL ITEMS SHIPPED LOOSE WITH UNITS. PROVIDE AND CONNECT ALL UTILITIES AND ACCESSORIES AS REQUIRED FOR PROPER UNIT OPERATION. SEE SECTION 23 21 28 FOR COOLING COIL CONDENSATE DRAIN PIPING.
   B. REFRIGERANT PIPING: SHALL BE SILVER BRAZED. BLEED DRY NITROGEN THROUGH PIPING DURING BRAZING TO MINIMIZE OXIDATION. KEEP ALL OPEN ENDS OF PIPING CAPPED WHEN NOT BEING WORKED. SOFT COPPER SHALL HAVE LONG RADIUS BENDS; INSTALL WITHOUT KINKS OR EXCESS BENDS. PIPING SHALL BE ROUTED CONCEALED, EXCEPT WHERE ROUTED OUTDOORS AND WHERE NOTED. PIPING SHALL BE RAN PLUMB AND SQUARE TO BUILDING WALLS, AND IN A NEAT PROFESSIONAL MANNER. PROVIDE SIGHT GLASS IN REFRIGERANT LIQUID PIPING AT OUTDOOR UNIT.
   C. REFRIGERANT CHARGE: UNITS SHALL BE CHECKED FOR PROPER REFRIGERANT CHARGE AND OIL LEVEL AND CHARGED TO PROPER LEVELS AFTER ALL LEAK TESTING AND EVACUATION WORK HAS BEEN COMPLETED. REFRIGERANT TO BE ADDED TO THE SYSTEM SHALL BE DELIVERED TO THE SITE IN FACTORY CHARGED CONTAINERS AND CHARGED INTO THE SYSTEM THROUGH A FILTER/DRIER.
4. LEAK TESTING AND EVACUATION:
   A. DISCONNECT AND ISOLATE FROM THE SYSTEM ANY CONTROLS, RELIEF VALVES, OR OTHER COMPONENTS THAT MAY BE DAMAGED BY THE TEST PRESSURE.
   B. CONNECT OIL-PUMPED, DRY NITROGEN TO THE SYSTEM THROUGH A PRESSURE REDUCING GAUGE MANIFOLD. CHARGE ENOUGH NITROGEN INTO THE SYSTEM TO RAISE THE PRESSURE TO 140 PSIG (OR AS REQUIRED BY THE LOCAL CODE AUTHORITY).
   C. TEST ALL JOINTS FOR LEAKS WITH A GLYCERIN SOAP SOLUTION. CHECK THE MANIFOLD GAUGE FOR ANY DROP IN PRESSURE. TAP ALL SOLDER/BRAZED CONNECTIONS WITH A RUBBER OR RAWHIDE MALLET SUFFICIENTLY HARD TO START ANY LEAK THAT MIGHT SUBSEQUENTLY OPEN FROM THERMAL EXPANSION/CONTRACTION OR VIBRATION.
   D. REPAIR ANY LEAKS FOUND BY COMPLETELY DISASSEMBLING THE CONNECTION, CLEANING THE FITTING AND REMAKING THE CONNECTION. RE-TEST THE SYSTEM AFTER REPAIRS ARE MADE.
   E. WHEN THE ABOVE TESTS ARE SUCCESSFULLY COMPLETED, ALLOW THE SYSTEM TO REMAIN UNDER TEST PRESSURE (140 PSIG OR AS REQUIRED BY THE LOCAL CODE AUTHORITY) FOR 24 HOURS. NOTE THE INITIAL PRESSURE AND TEMPERATURE. IF THE SYSTEM PRESSURE HAS NOT CHANGED (WHEN CORRECTED TO ACCOUNT FOR ANY CHANGE IN TEMPERATURE) THE SYSTEM MAY BE CONSIDERED FREE OF LEAKS.
   F. WHEN ALL TESTING IS COMPLETED THE SYSTEM SHALL BE COMPLETELY EVACUATED OF ALL AIR AND MOISTURE. CONNECT A VACUUM PUMP TO THE SYSTEM AND EVACUATE THE SYSTEM TO 500 MICRONS, AND LET STAND FOR A MINIMUM OF 12 HOURS. IF THE VACUUM READING REMAINS UNCHANGED, THE SYSTEM MAY BE CHARGED WITH REFRIGERANT.

23 81 14 - PACKAGED TERMINAL HEAT PUMPS

1. TYPE, CAPACITY AND EFFICIENCY AS INDICATED ON DRAWINGS.

2. GENERAL: UNITS SHALL BE FULLY



1 M201 FOUNDATION PLAN - PLUMBING
1/8" = 1'-0"

0' 4' 8' 16' 32'

GENERAL NOTES:

1. THESE DRAWINGS HAVE BEEN PREPARED FOR PERMIT. FINAL DESIGN AND DETAILING IS BY THE CONTRACTOR. FINAL DESIGN WORK INCLUDES (BUT IS NOT LIMITED TO): REVIEW OF ALL CONTRACT DOCUMENTS, VERIFYING FIXTURE LOCATIONS, VERIFYING SPACE AVAILABLE FOR ALL PIPING, COORDINATING WORK WITH OTHER TRADES, DESIGN OF FINAL PLUMBING SYSTEM AND PREPARATION OF CONSTRUCTION SHOP DRAWINGS (BASED ON THESE REVIEWS AND DESIGN/COORDINATION WORK).
2. SEE STRUCTURAL DWGS FOR LOCATIONS OF FOUNDATION COMPONENTS. ITEMS SHOWN ON THIS DRAWING ARE APPROXIMATE ONLY. OFFSET ITEMS AS NEEDED TO CLEAR FOOTINGS & OTHER UNDERGROUND ITEMS.
3. PRIOR TO BEGINNING ANY WORK CONTRACTOR SHALL VERIFY DEPTH OF SITE PIPING AT PROPOSED CONNECTION LOCATIONS AND CONFIRM PIPING SLOPES IN ORDER TO PROVIDE PROPER WORKING SEWER SYSTEM.
4. FIXTURES SHOWN DASHED REPRESENT FIXTURES ON FLOOR ABOVE. SEE PLUMBING FLOOR PLAN FOR EXACT TYPE AND LOCATION.
5. REVIEW ALL DRAWINGS & SUBMITTALS AND VERIFY FIXTURE LOCATIONS PRIOR TO BEGINNING WORK.
6. FOR PIPE SIZES TO INDIVIDUAL PLUMBING FIXTURES SEE "PLUMBING FIXTURE SCHEDULE", SHEET M002.
7. PROVIDE WALL CLEANOUTS BELOW ALL SINKS AND AS REQUIRED BY CODE
8. PROVIDE TRAP PRIMER VALVE & TRAP PRIMER LINES TO SERVE ALL FLOOR DRAINS & FLOOR SINKS. SEE DETAIL 1, SHEET M331.
9. SEE RISER DIAGRAMS SHEET M333 FOR VERTICAL WASTE/VENT PIPING.
10. SEE DETAIL 6, SHEET M331 FOR CLEAN OUT DETAIL.
11. INVERT ELEVATION BASED ON FINISHED FLOOR ELEVATION OF 0.00'.
12. VERIFY LOCATION OF WATER SERVICE INTO EACH UNIT W/ ARCHITECT & OWNER
13. ROUTE WASTE PIPING FROM SUDS GENERATING FIXTURES TO COMPLY W/ CODE (ROUTING DISTANCES SHOWN ARE APPROXIMATE).
14. NUMBER IN PARENTHESES FOLLOWING PIPE SIZE IS DRAINAGE FIXTURE UNITS (DFU) ON WASTE/ VENT PIPING AND WATER SUPPLY FIXTURE UNITS (WSFU) ON COLD WATER PIPING.
15. RUN 4" OR LARGER WASTE PIPE AT 1% SLOPE AS REQUIRED.

KEYED NOTES:

1. 1/2" CW TRAP PRIMER LINE TO FLOOR DRAIN/FLOOR RECEPTOR.
2. CONNECT TO SITE PIPING. VERIFY SIZE & LOCATION AND COORDINATE WITH SITE CONTRACTOR.

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general@hultzbhu.com Job Number: 25-132

SIGNED
03-18-2026

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: Author
DATE: 20 MARCH 2026
BUILDING PERMIT SET
REVISION: DESCRIPTION:

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BUILDING PERMIT SET

SHEET TITLE:
FOUNDATION PLAN - PLUMBING

SHEET NO.:
M201

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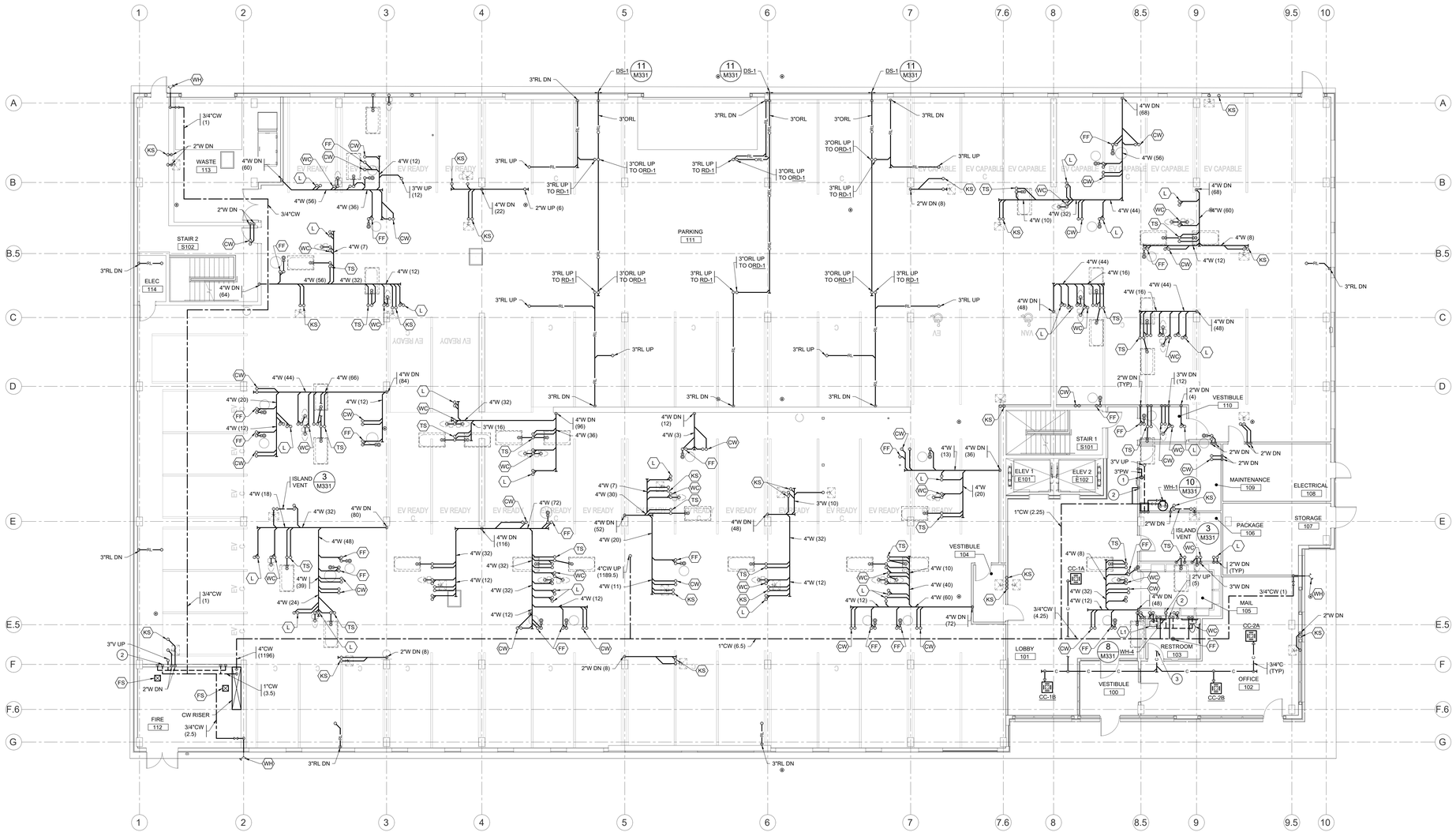

1 M301 FLOOR PLAN - LEVEL 1 - PLUMBING
1/8" = 1'-0"

0' 4' 8' 16' 32'

GENERAL NOTES:

1. SEE ENLARGED PLUMBING PLANS ON SHEETS M321 - M322 & M323 - M324 FOR ADDITIONAL WORK IN INDIVIDUAL APARTMENTS.
2. THESE DRAWINGS HAVE BEEN PREPARED FOR PERMIT. FINAL DESIGN AND DETAILING IS BY THE CONTRACTOR. FINAL DESIGN WORK INCLUDES (BUT IS NOT LIMITED TO): REVIEW OF ALL CONTRACT DOCUMENTS, VERIFYING FIXTURE LOCATIONS, VERIFYING SPACE AVAILABLE FOR ALL PIPING, COORDINATING WORK WITH OTHER TRADES, DESIGN OF FINAL PLUMBING SYSTEM AND PREPARATION OF CONSTRUCTION SHOP DRAWINGS (BASED ON THESE REVIEWS AND DESIGN/COORDINATION WORK).
3. FOR PIPING SIZES TO INDIVIDUAL PLUMBING FIXTURES SEE "PLUMBING FIXTURE SCHEDULE" SHEET M003.
4. SEE WASTE & VENT RISER DIAGRAMS ON SHEET M333.
5. PROVIDE WALL CLEANOUT IN WASTE PIPING BENEATH ALL SINKS.
6. ALL ISOLATION VALVES SHALL BE ACCESSIBLE. COORDINATE WORK WITH OTHER TRADES TO ENSURE ACCESSIBILITY. PROVIDE BUILDING ACCESS DOORS AS NECESSARY.
7. OFFSET PLUMBING PIPING AND VTR'S TO AVOID DUCTWORK AND OTHER OBSTRUCTIONS. TERMINATE VTR'S A MINIMUM OF 15 FEET FROM ANY OUTSIDE AIR INTAKES.
8. ROUTE ALL PIPING IN PARKING GARAGE AS HIGH AS POSSIBLE.
9. PROVIDE 3/4" MIN CONDENSATE DRAIN FOR PTHP UNITS, SEE DETAIL 22 ON SHEET M332. SEE SHEETS M411-M418 FOR LOCATION OF PTHP UNITS.
10. NOT ALL KEYED NOTES ARE USED ON THIS SHEET.

KEYED NOTES:

1. 8" STANDPIPE W/ 4" CONNECTION, SEE DETAIL 7 ON SHEET M331.
2. 1/2" CW DN TO TRAP PRIMER, DETAIL 1 ON SHEET M331.
3. 3/4"C TO LAVATORY TAILPIECE.
4. 2"CW UP, SEE DETAIL 20 ON SHEET M332.
5. 1-1/2"CW UP, SEE DETAIL 20 ON SHEET M332.
6. 1"CW UP TO ROOF. SEE M417 FOR CONTINUATION.

Provide fixture calculations for first floor to reflect all applicable occupancies to reflect correct fixture counts.

(Construction Set, Sheet M301)

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general@hultzbhu.com Job Number: 25-132

SIGNED
03-18-2026

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: Author
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BUILDING PERMIT SET

SHEET TITLE:
FLOOR PLAN - LEVEL 1 - PLUMBING

SHEET NO.:
M301

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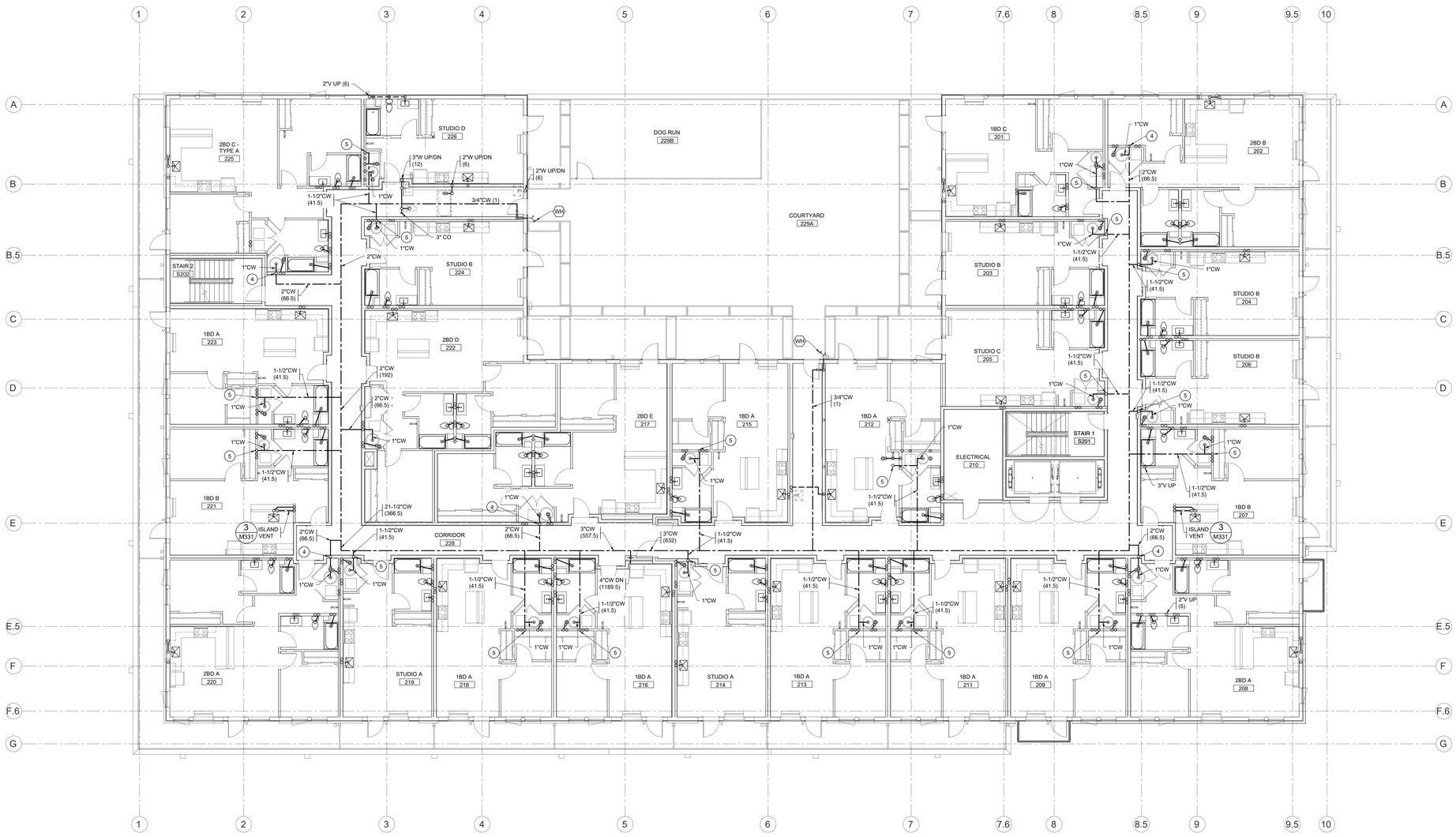

1 M302 FLOOR PLAN - LEVEL 2 - PLUMBING
1/8" = 1'-0"

0 4' 8' 16' 32'

GENERAL NOTES:

1. SEE ENLARGED PLUMBING PLANS ON SHEETS M321 - M322 & M323 - M324 FOR ADDITIONAL WORK IN INDIVIDUAL APARTMENTS.
2. THESE DRAWINGS HAVE BEEN PREPARED FOR PERMIT. FINAL DESIGN AND DETAILING IS BY THE CONTRACTOR. FINAL DESIGN WORK INCLUDES (BUT IS NOT LIMITED TO): REVIEW OF ALL CONTRACT DOCUMENTS, VERIFYING FIXTURE LOCATIONS, VERIFYING SPACE AVAILABLE FOR ALL PIPING, COORDINATING WORK WITH OTHER TRADES, DESIGN OF FINAL PLUMBING SYSTEM AND PREPARATION OF CONSTRUCTION SHOP DRAWINGS (BASED ON THESE REVIEWS AND DESIGN/COORDINATION WORK).
3. FOR PIPING SIZES TO INDIVIDUAL PLUMBING FIXTURES SEE "PLUMBING FIXTURE SCHEDULE" SHEET M003.
4. SEE WASTE & VENT RISER DIAGRAMS ON SHEET M333.
5. PROVIDE WALL CLEANOUT IN WASTE PIPING BENEATH ALL SINKS.
6. ALL ISOLATION VALVES SHALL BE ACCESSIBLE. COORDINATE WORK WITH OTHER TRADES TO ENSURE ACCESSIBILITY. PROVIDE BUILDING ACCESS DOORS AS NECESSARY.
7. OFFSET PLUMBING PIPING AND VTR'S TO AVOID DUCTWORK AND OTHER OBSTRUCTIONS. TERMINATE VTR'S A MINIMUM OF 15 FEET FROM ANY OUTSIDE AIR INTAKES.
8. ROUTE ALL PIPING IN PARKING GARAGE AS HIGH AS POSSIBLE.
9. PROVIDE 3/4" MIN CONDENSATE DRAIN FOR PTHP UNITS, SEE DETAIL 22 ON SHEET M332. SEE SHEETS M411-M418 FOR LOCATION OF PTHP UNITS.
10. NOT ALL KEYED NOTES ARE USED ON THIS SHEET.

KEYED NOTES:

1. 8" STANDPIPE W/ 4" CONNECTION, SEE DETAIL 7 ON SHEET M331.
2. 1/2" CW DN TO TRAP PRIMER, DETAIL 1 ON SHEET M331.
3. 3/4"C TO LAVATORY TAILPIECE.
4. 2"CW UP, SEE DETAIL 20 ON SHEET M332.
5. 1-1/2"CW UP, SEE DETAIL 20 ON SHEET M332.
6. 1"CW UP TO ROOF. SEE M417 FOR CONTINUATION.

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STEPHEN A. HULTZ 19796 REGISTERED PROFESSIONAL ENGINEER
SIGNED
03-18-2026

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW PUYALLUP, WA 98371

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SHEET TITLE:
FLOOR PLAN - LEVEL 2 - PLUMBING

SHEET NO.:
M302

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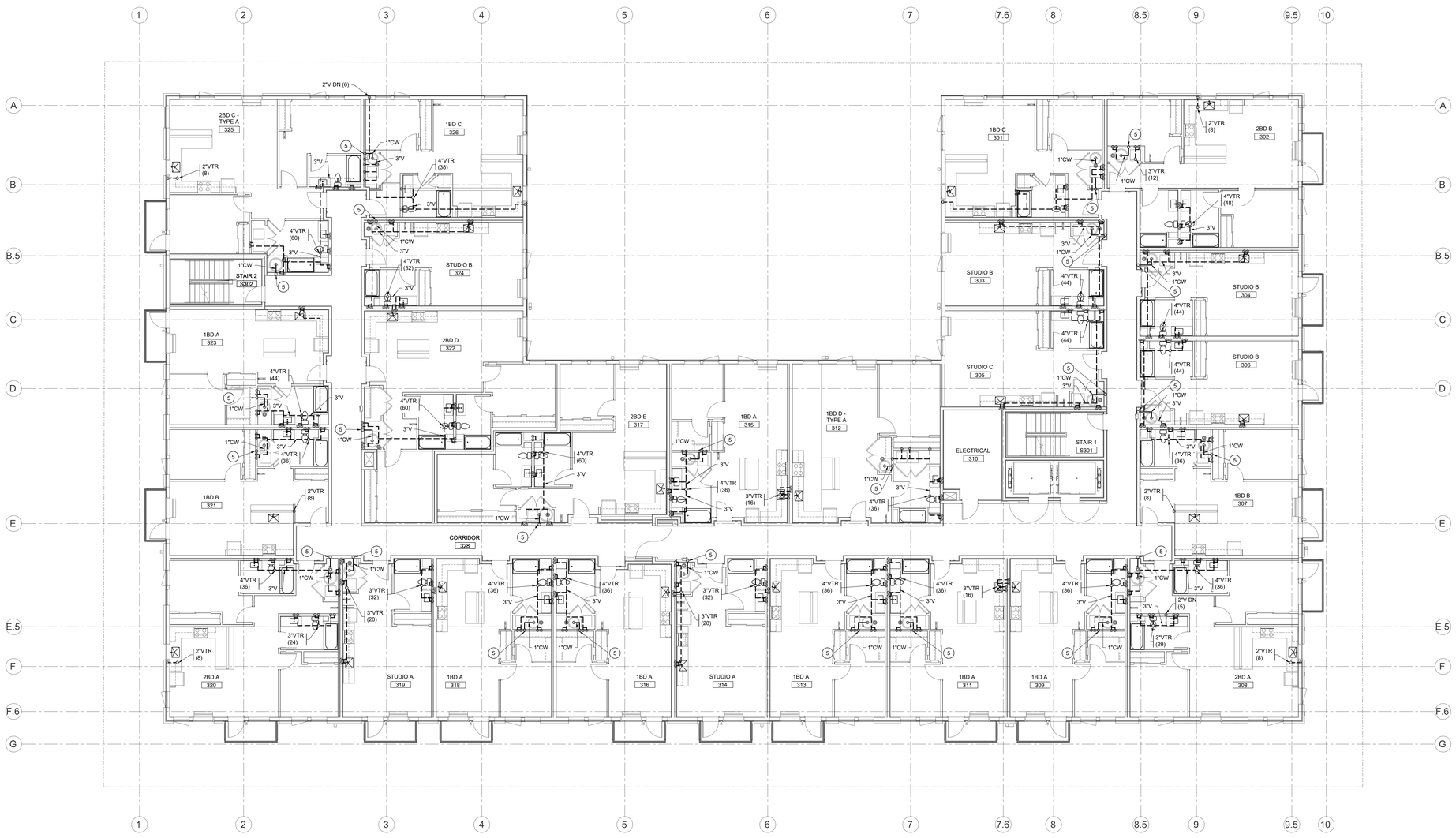

1 M303 FLOOR PLAN - LEVELS 3-5 - PLUMBING
1/8" = 1'-0"

0' 4' 8' 16' 32'

GENERAL NOTES:

1. SEE ENLARGED PLUMBING PLANS ON SHEETS M321 - M322 & M323 - M324 FOR ADDITIONAL WORK IN INDIVIDUAL APARTMENTS.
2. THESE DRAWINGS HAVE BEEN PREPARED FOR PERMIT. FINAL DESIGN AND DETAILING IS BY THE CONTRACTOR. FINAL DESIGN WORK INCLUDES (BUT IS NOT LIMITED TO): REVIEW OF ALL CONTRACT DOCUMENTS, VERIFYING FIXTURE LOCATIONS, VERIFYING SPACE AVAILABLE FOR ALL PIPING, COORDINATING WORK WITH OTHER TRADES, DESIGN OF FINAL PLUMBING SYSTEM AND PREPARATION OF CONSTRUCTION SHOP DRAWINGS (BASED ON THESE REVIEWS AND DESIGN/COORDINATION WORK).
3. FOR PIPING SIZES TO INDIVIDUAL PLUMBING FIXTURES SEE "PLUMBING FIXTURE SCHEDULE" SHEET M003.
4. SEE WASTE & VENT RISER DIAGRAMS ON SHEET M333.
5. PROVIDE WALL CLEANOUT IN WASTE PIPING BENEATH ALL SINKS.
6. ALL ISOLATION VALVES SHALL BE ACCESSIBLE. COORDINATE WORK WITH OTHER TRADES TO ENSURE ACCESSIBILITY. PROVIDE BUILDING ACCESS DOORS AS NECESSARY.
7. OFFSET PLUMBING PIPING AND VTR'S TO AVOID DUCTWORK AND OTHER OBSTRUCTIONS. TERMINATE VTR'S A MINIMUM OF 15 FEET FROM ANY OUTSIDE AIR INTAKES.
8. ROUTE ALL PIPING IN PARKING GARAGE AS HIGH AS POSSIBLE.
9. PROVIDE 3/4" MIN CONDENSATE DRAIN FOR PTHP UNITS, SEE DETAIL 22 ON SHEET M332. SEE SHEETS M411-M418 FOR LOCATION OF PTHP UNITS.
10. NOT ALL KEYED NOTES ARE USED ON THIS SHEET.

KEYED NOTES:

1. 8" STANDPIPE W/ 4" CONNECTION, SEE DETAIL 7 ON SHEET M331.
2. 1/2" CW DN TO TRAP PRIMER, DETAIL 1 ON SHEET M331.
3. 3/4"C TO LAVATORY TAILPIECE.
4. 2"CW UP, SEE DETAIL 20 ON SHEET M332.
5. 1-1/2"CW UP, SEE DETAIL 20 ON SHEET M332.
6. 1"CW UP TO ROOF. SEE M417 FOR CONTINUATION.

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SIGNED
03-19-2026

PUYALLUP BELL PLACE

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BUILDING PERMIT SET

SHEET TITLE:
FLOOR PLAN - LEVELS 3-5 - PLUMBING

SHEET NO.:
M303

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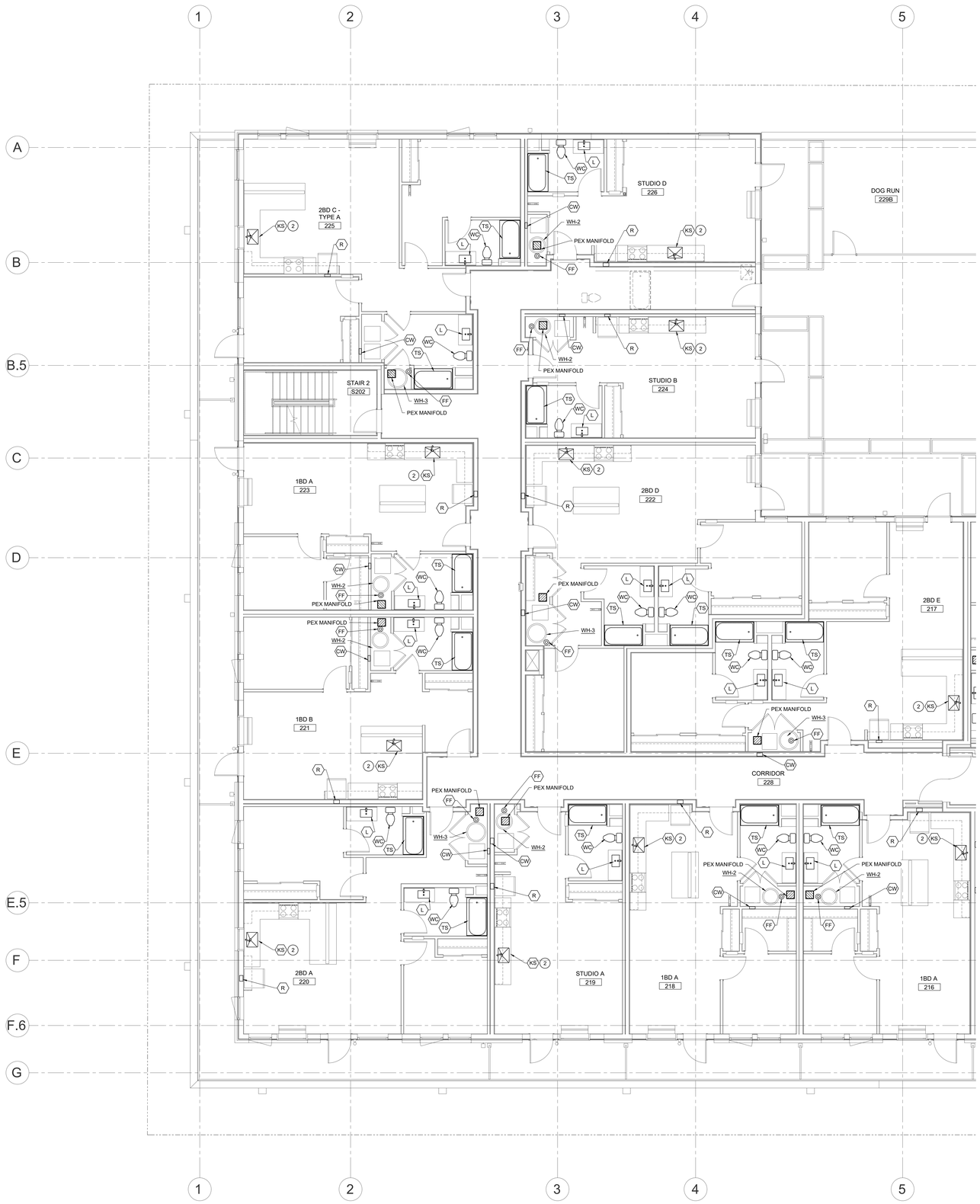
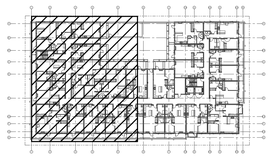


1 M32 ENLARGED PLUMBING PLAN - FLOOR 2 (WEST)
3/16" = 1'-0"

SCALE 3/16" = 1'-0"



KEY PLAN
NTS

GENERAL NOTES:

1. SEE MECHANICAL GENERAL NOTES, SHEET M001.
2. FOR PIPING SIZES TO INDIVIDUAL PLUMBING FIXTURES SEE "PLUMBING FIXTURE SCHEDULE", SHEET M003.
3. SEE RISER DIAGRAMS, SHEET M333 FOR WASTE/VENT RISERS.
4. SEE DETAIL 20, SHEET M332 FOR CW RISERS & HW/CW DISTRIBUTION IN EACH UNIT.
5. PROVIDE WALL CLEANOUTS BELOW ALL SINKS & AS REQUIRED BY CODE.
6. OFFSET PLUMBING PIPING AND VTR'S TO AVOID DUCTWORK, BLDG STRUCTURE, AND OTHER OBSTRUCTIONS. TERMINATE VTR'S A MINIMUM OF 15 FEET FROM ANY OUTSIDE AIR INTAKES.
7. VERIFY ORIENTATION OF ALL SHOWERS, BATHTUBS W/ ARCHITECT. NOT ALL DEPICTED ORIENTATION MAY BE FINAL.
8. VERIFY ALL PLUMBING FIXTURE LOCATIONS W/ ARCHITECT; SOME MAY SHIFT SINCE THIS DESIGN WAS CREATED.
9. SEE DETAIL 2, SHEET M331 FOR WATER HEATER INSTALLATION DETAIL.

KEYED NOTES:

1. CW PIPING UP/DN AS SHOWN ON PLAN; SEE M332, DETAIL 20.
2. PROVIDE HW CONNECTION & WASTE CONNECTION (W/ AIR GAP) TO DISHWASHER FROM ADJACENT FIXTURE.

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BUILDING PERMIT SET

SHEET TITLE:
ENLARGED PLUMBING PLAN - FLOOR 2 (WEST)

SHEET NO.:
M321

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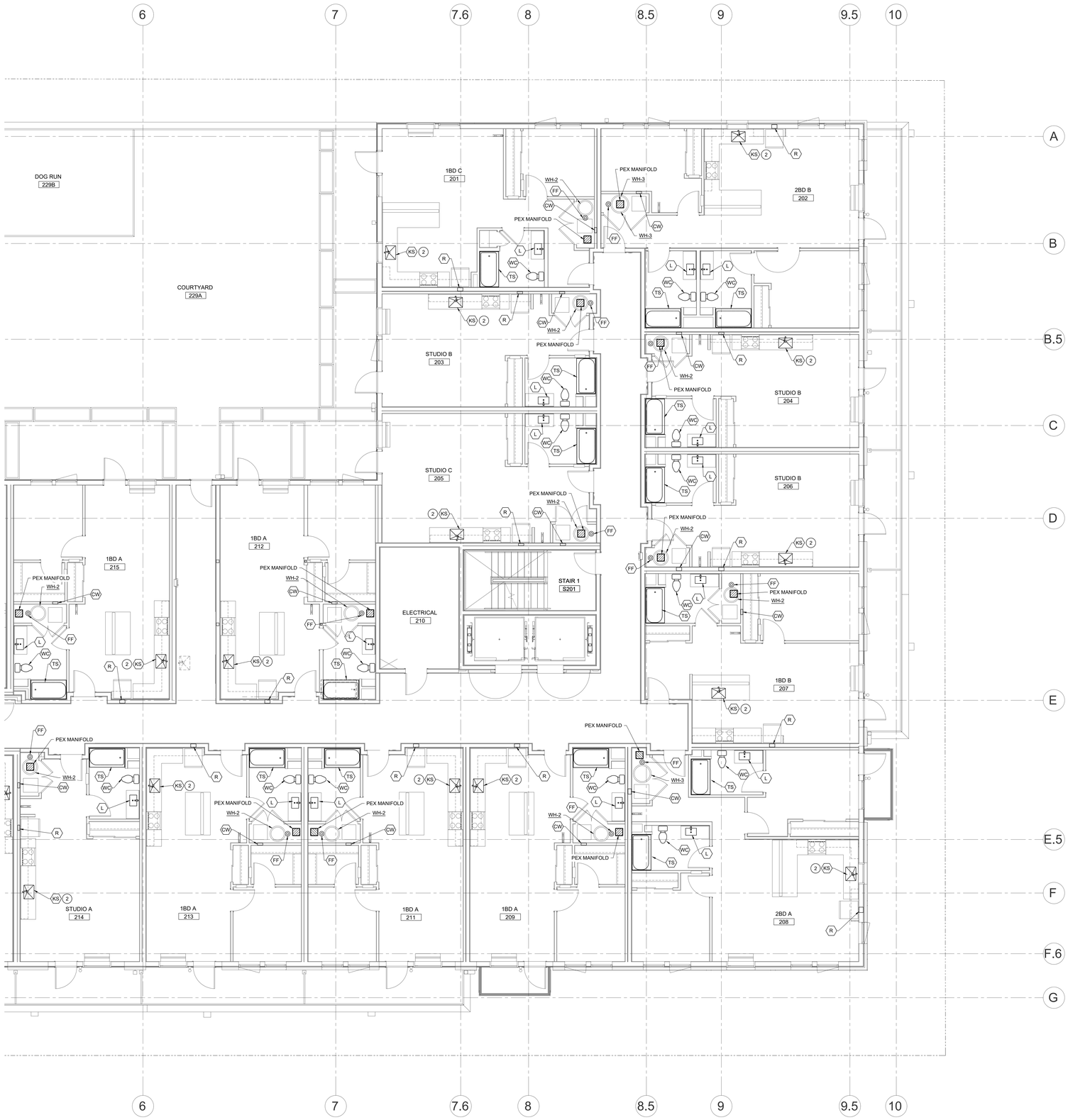


1 M322 ENLARGED PLUMBING PLAN - FLOOR 2 (EAST)
3/16" = 1'-0"

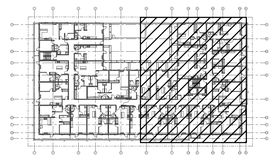
0' 1' 3' 5' 10'
SCALE 3/16" = 1'-0"

GENERAL NOTES:

1. SEE MECHANICAL GENERAL NOTES, SHEET M001.
2. FOR PIPING SIZES TO INDIVIDUAL PLUMBING FIXTURES SEE "PLUMBING FIXTURE SCHEDULE", SHEET M003.
3. SEE RISER DIAGRAMS, SHEET M333 FOR WASTE/VENT RISERS.
4. SEE DETAIL 20, SHEET M332 FOR CW RISERS & HW/CW DISTRIBUTION IN EACH UNIT.
5. PROVIDE WALL CLEANOUTS BELOW ALL SINKS & AS REQUIRED BY CODE.
6. OFFSET PLUMBING PIPING AND VTR'S TO AVOID DUCTWORK, BLDG STRUCTURE, AND OTHER OBSTRUCTIONS. TERMINATE VTR'S A MINIMUM OF 15 FEET FROM ANY OUTSIDE AIR INTAKES.
7. VERIFY ORIENTATION OF ALL SHOWERS, BATHTUBS W/ ARCHITECT, NOT ALL DEPICTED ORIENTATION MAY BE FINAL.
8. VERIFY ALL PLUMBING FIXTURE LOCATIONS W/ ARCHITECT; SOME MAY SHIFT SINCE THIS DESIGN WAS CREATED.
9. SEE DETAIL 2, SHEET M331 FOR WATER HEATER INSTALLATION DETAIL.

KEYED NOTES:

1. CW PIPING UP/DN AS SHOWN ON PLAN; SEE M332, DETAIL 20.
2. PROVIDE HW CONNECTION & WASTE CONNECTION (W/ AIR GAP) TO DISHWASHER FROM ADJACENT FIXTURE.



KEY PLAN
NTS

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

HULTZ BHU engineers inc
1111 Fawcett Ave Suite 100 Tacoma, WA 98402
Phone: (253) 383-3257 Fax: (253) 383-3283
general@hultzbhu.com Job Number: 25-132

SIGNED
03-19-2026

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: Author
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION: DESCRIPTION:

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BUILDING PERMIT SET

SHEET TITLE:
ENLARGED PLUMBING PLAN - FLOOR 2 (EAST)

SHEET NO.:
M322

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1 W323 ENLARGED PLUMBING PLAN - FLOOR 3-5 (WEST)
3/16" = 1'-0"

SCALE 3/16" = 1'-0"

GENERAL NOTES:

1. SEE MECHANICAL GENERAL NOTES, SHEET M001.
2. FOR PIPING SIZES TO INDIVIDUAL PLUMBING FIXTURES SEE "PLUMBING FIXTURE SCHEDULE", SHEET M003.
3. SEE RISER DIAGRAMS, SHEET M333 FOR WASTE/VENT RISERS.
4. SEE DETAIL 20, SHEET M332 FOR CW RISERS & HW/CW DISTRIBUTION IN EACH UNIT.
5. PROVIDE WALL CLEANOUTS BELOW ALL SINKS & AS REQUIRED BY CODE.
6. OFFSET PLUMBING PIPING AND VTR'S TO AVOID DUCTWORK, BLDG STRUCTURE, AND OTHER OBSTRUCTIONS. TERMINATE VTR'S A MINIMUM OF 15 FEET FROM ANY OUTSIDE AIR INTAKES.
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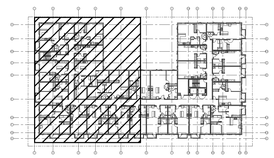
8. VERIFY ALL PLUMBING FIXTURE LOCATIONS W/ ARCHITECT; SOME MAY SHIFT SINCE THIS DESIGN WAS CREATED.
9. SEE DETAIL 2, SHEET M331 FOR WATER HEATER INSTALLATION DETAIL.

KEYED NOTES:

1. CW PIPING UP/DN AS SHOWN ON PLAN; SEE M332, DETAIL 20.
2. PROVIDE HW CONNECTION & WASTE CONNECTION (W/ AIR GAP) TO DISHWASHER FROM ADJACENT FIXTURE.



KEY PLAN
NTS

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

HULTZ BHU engineers inc
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SIGNED
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BUILDING PERMIT SET

SHEET TITLE:
ENLARGED PLUMBING PLAN - FLOOR 3-5 (WEST)

SHEET NO.:
M323

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1 M324 ENLARGED PLUMBING PLAN - FLOOR 3-5 (EAST)
3/16" = 1'-0"

SCALE 3/16" = 1'-0"

GENERAL NOTES:

1. SEE MECHANICAL GENERAL NOTES, SHEET M001.
2. FOR PIPING SIZES TO INDIVIDUAL PLUMBING FIXTURES SEE "PLUMBING FIXTURE SCHEDULE", SHEET M003.
3. SEE RISER DIAGRAMS, SHEET M333 FOR WASTE/VENT RISERS.
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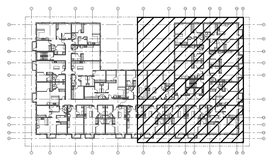
8. VERIFY ALL PLUMBING FIXTURE LOCATIONS W/ ARCHITECT; SOME MAY SHIFT SINCE THIS DESIGN WAS CREATED.
9. SEE DETAIL 2, SHEET M331 FOR WATER HEATER INSTALLATION DETAIL.

KEYED NOTES:

1. CW PIPING UP/DN AS SHOWN ON PLAN; SEE M332, DETAIL 20.
2. PROVIDE HW CONNECTION & WASTE CONNECTION (W/ AIR GAP) TO DISHWASHER FROM ADJACENT FIXTURE.



KEY PLAN
NTS

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

HULTZ BHU engineers inc
1111 Fawcett Ave Suite 100 Tacoma, WA 98402
Phone: (253) 383-3257 Fax: (253) 383-3283
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BUILDING PERMIT SET

SHEET TITLE:
ENLARGED PLUMBING PLAN - FLOOR 3-5 (EAST)

SHEET NO.:
M324

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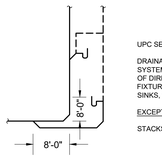


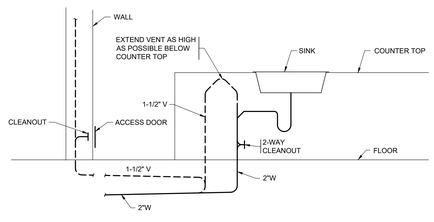
UPC SECTION 711.0 SUDS RELIEF

DRAINAGE CONNECTIONS SHALL NOT BE MADE INTO DRAINAGE SYSTEM WITHIN 8'-0" OF ANY VERTICAL TO HORIZONTAL CHANGE OF DIRECTION OF A STACK CONTAINING SUDS PRODUCING FIXTURES INCLUDING BATHTUBS, CLOTHES WASHERS, KITCHEN SINKS, AND DISHWASHERS.

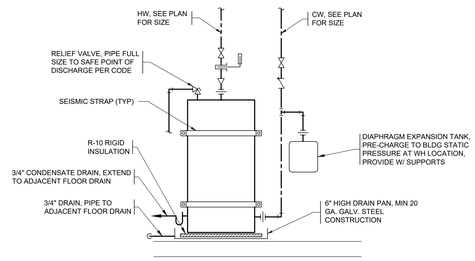
EXCEPTION #2

STACKS RECEIVING DISCHARGE FROM LESS THAN THREE STORIES.

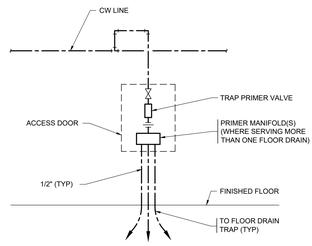
SUDS RELIEF DETAIL 4
NTS — M331



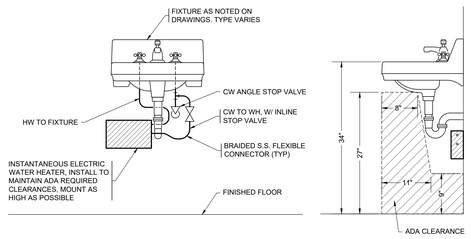
ISLAND VENT DETAIL 3
NTS — M331



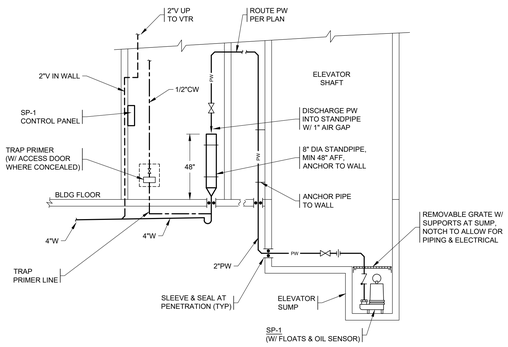
RESIDENCE WATER HEATER DETAIL 2
NTS — M331



TRAP PRIMER DETAIL 1
NTS — M331

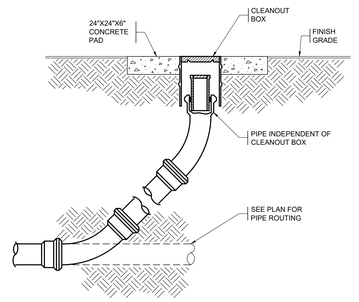


INSTANTANEOUS WATER HEATER 8
NTS — M331

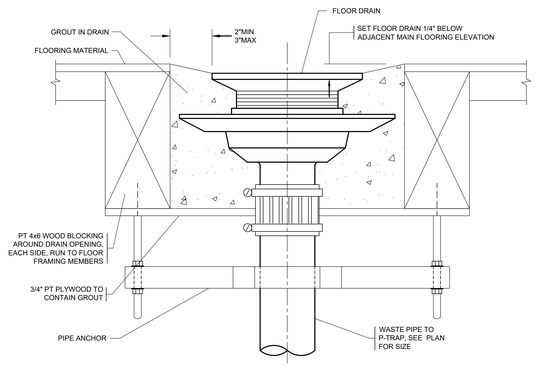


NOTES:
1. COORDINATE LOCATION OF PIPING & SUMP IN ELEVATOR SHAFT W/ ELEVATOR SUPPLIER.
2. PUMP POWER CONTROLS ARE FED FROM THE PUMP CONTROL PANEL. WIRING IS BY DIV 26.
3. SEE PLANS FOR LOCATIONS OF COMPONENTS, THIS IS SCHEMATIC.

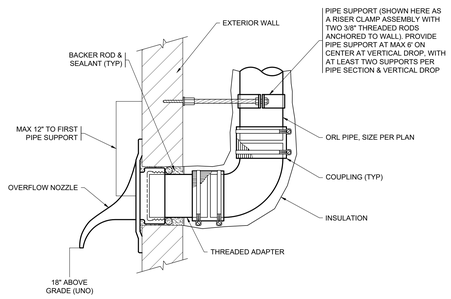
ELEVATOR SUMP PUMP 7
NTS — M331



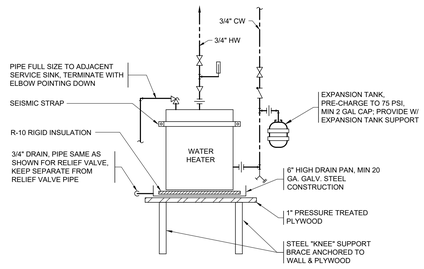
SURFACE CLEANOUT DETAIL 6
NTS — M331



FLOOR DRAIN DETAIL 5
NTS — M331

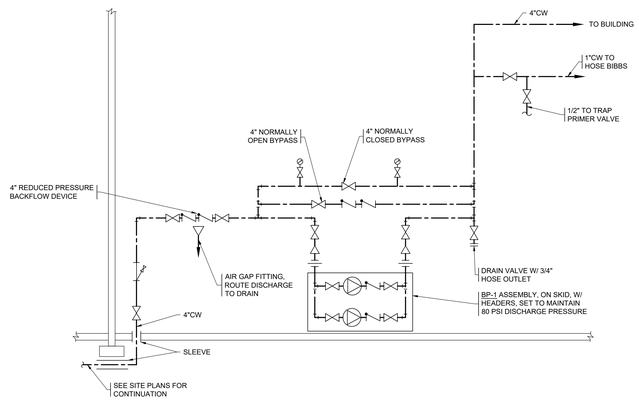


OVERFLOW NOZZLE 11
NTS — M331



NOTE: PROVIDE SUPPORT STRUCTURE AND SUPPORT WATER HEATER FROM WALL. MOUNT AS HIGH AS POSSIBLE.

WATER HEATER DETAIL 10
NTS — M331



WATER HEADER DETAIL 9
NTS — M331

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

HULTZ BHU engineers inc
1111 Fawcett Ave Suite 100 Tacoma, WA 98402
Phone: (253) 383-3257 Fax: (253) 383-3283
general@hultzbhu.com Job Number: 25-132

SIGNED
03-18-2026

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: Author
DATE: 20 MARCH 2026
BUILDING PERMIT SET
REVISION: DESCRIPTION:

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SHEET TITLE:
PLUMBING DETAILS

SHEET NO.:
M331

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FIXTURE COUNT	MANIFOLD CONFIGURATION
2	2 PORT MANIFOLD
3	4 PORT MANIFOLD, (1) CAPPED
4	4 PORT MANIFOLD
5	6 PORT MANIFOLD, (1) CAPPED
6	6 PORT MANIFOLD
7	8 PORT MANIFOLD, (1) CAPPED
8	8 PORT MANIFOLD
9	10 PORT MANIFOLD, (1) CAPPED
10	10 PORT MANIFOLD

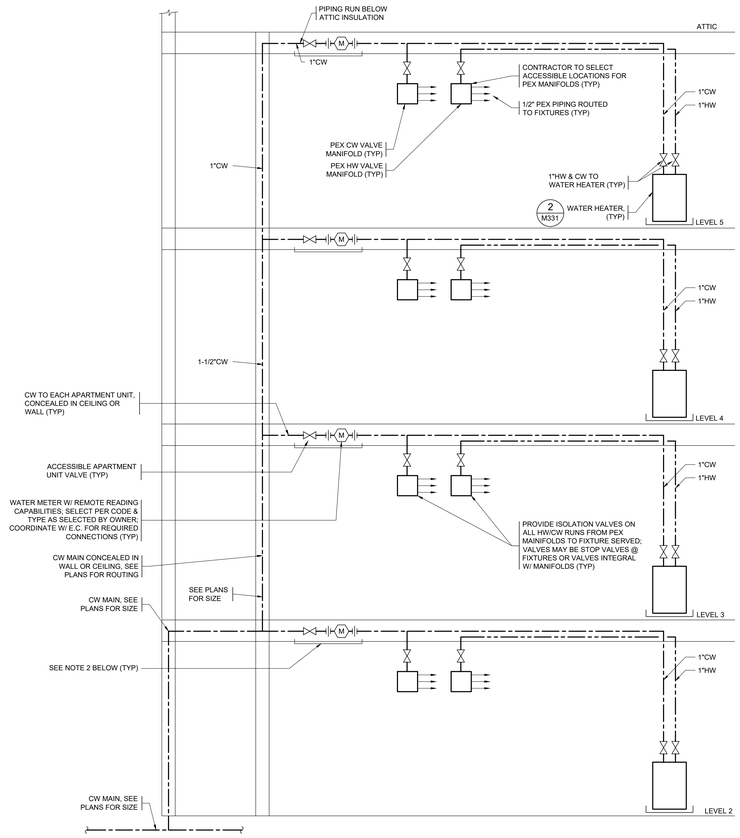
WATER SUPPLY DISTRIBUTION GENERAL NOTES:

1. WATER SUPPLY MAINS SHALL BE OF MATERIAL AS SPECIFIED ON SHEET M001. MANIFOLD WATER SUPPLY LINES SERVING INDIVIDUAL DWELLING UNITS SHALL BE PEX. MANIFOLDS SHALL BE PROVIDED WITH 1/2" FITTINGS FOR PEX TUBE CONNECTION. 1/2" PEX TUBING SHALL SUPPLY INDIVIDUAL FIXTURES FROM MANIFOLDS.
2. WATER SUPPLY TUBING SHALL BE RUN CONTINUOUSLY FROM MANIFOLD TO FIXTURE WITHOUT FITTINGS, SUPPLYING ONLY ONE FIXTURE.
3. INSTALLATION SHALL COMPLY WITH TUBING MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. MANIFOLDS SHALL BE IN ACCESSIBLE LOCATION ABOVE CEILINGS OR ACCESSIBLE THROUGH ACCESS PANEL DOORS. COORDINATE INSTALLATION LOCATIONS WITH GENERAL CONTRACTOR.

APARTMENT MANIFOLD/PIPE SIZING

NTS

21 / M332

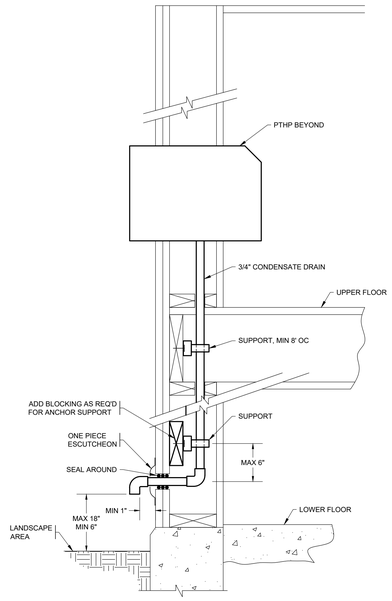


NOTES:
1. FOR SIZES TO INDIVIDUAL PLUMBING FIXTURES, SEE PLUMBING FIXTURE SCHEDULE ON SHEET M-003.
2. WHERE VALVES, MANIFOLDS AND OTHER ITEMS ARE INSTALLED IN A CONCEALED LOCATION PROVIDE ACCESS DOOR TO ALLOW ACCESS AND BE NO LESS THAN 12"x12". WHERE PROVIDED IN FIRE RATED CONSTRUCTION ACCESS DOOR SHALL BE RATED.
3. SEE DETAIL 21, SHEET M-332 FOR MANIFOLD SIZING CRITERIA.

APARTMENT UNIT WATER DISTRIBUTION RISER

NTS

20 / M332



NOTES:
1. PAINT OUT EXPOSED PIPE & ESCUTCHEON TO MATCH ADJACENT WALL COLOR.
2. WALL CONSTRUCTION VARIES, SEE ARCHITECTURAL PLANS.

PTHP CONDENSATE DRAIN

NTS

22 / M332

C2K ARCHITECTURE
1645 NW HOYT
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PLUMBING DETAILS

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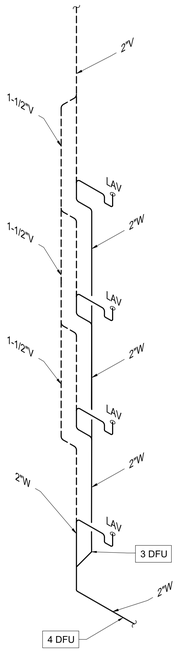
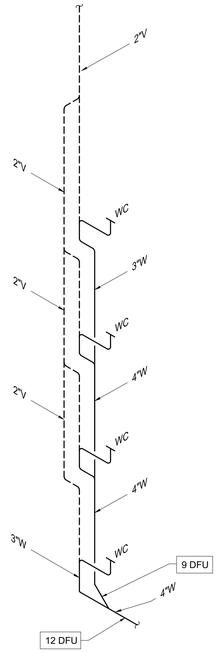
ROUTE TO VTR'S



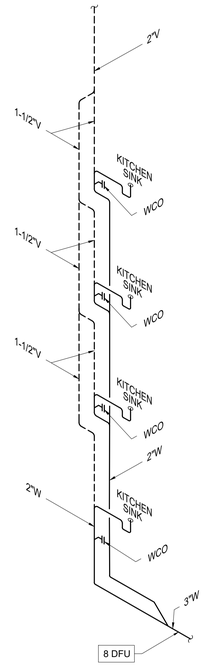
LAVATORY
WASTE & VENT RISER (L)
Scale: NTS

ROUTE TO VTR'S



WATER CLOSET
WASTE & VENT RISER (WC)
Scale: NTS

ROUTE TO VTR'S

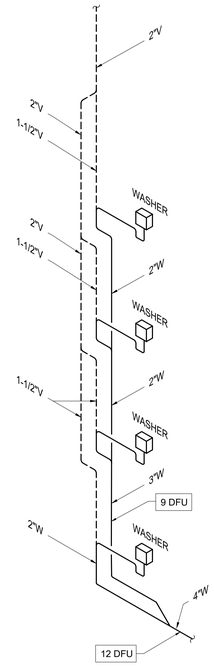


NOTES:

1. MAINTAIN HORIZONTAL DISTANCE OF SUDS GENERATING FIXTURES AT CONNECTION TO HORIZONTAL WASTE, PER UPC 711.

KITCHEN SINK
WASTE & VENT RISER (KS)
Scale: NTS

ROUTE TO VTR'S

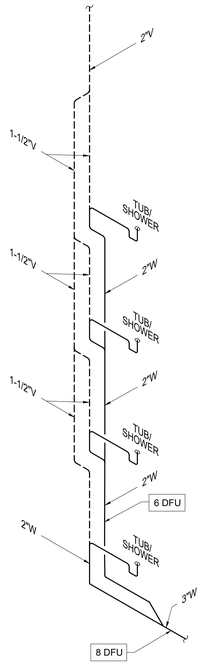


NOTES:

1. MAINTAIN HORIZONTAL DISTANCE OF SUDS GENERATING FIXTURES AT CONNECTION TO HORIZONTAL WASTE, PER UPC 711.

CLOTHES WASHER
WASTE & VENT RISER (CW)
Scale: NTS

ROUTE TO VTR'S



NOTES:

1. MAINTAIN HORIZONTAL DISTANCE OF SUDS GENERATING FIXTURES AT CONNECTION TO HORIZONTAL WASTE, PER UPC 711.

TUB/SHOWER
WASTE & VENT RISER (TS)
Scale: NTS

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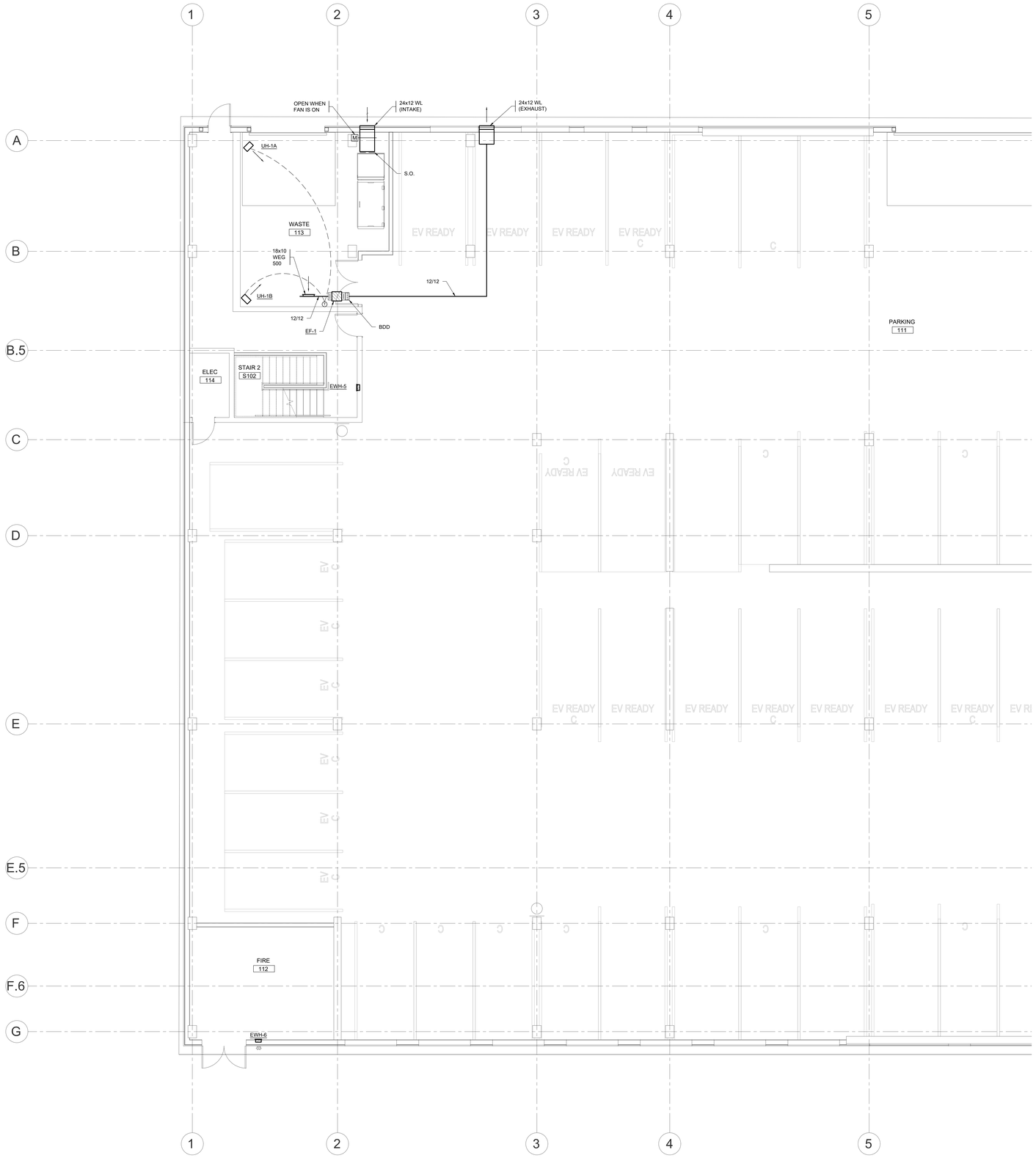

1 M411 ENLARGED HVAC PLAN - FLOOR 1 (WEST)
3/16" = 1'-0"

1' 5'
0' 3' 10'
SCALE 3/16" = 1'-0"

GENERAL NOTES:

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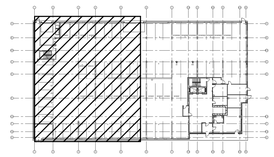
10. LOCATE BATHROOM EXHAUST FANS PER ARCHITECTURAL REFLECTED CEILING PLANS.
11. SEE EQUIPMENT SCHEDULE ON SHEET M002 FOR REFRIGERANT PIPE SIZES.
12. SEE PLUMBING DRAWINGS FOR CONDENSATE DRAINS.

KEYED NOTES:

1. WALL CAP/ LOUVER. TERMINATE EXHAUST DUCTS AT WALL CAP/ LOUVER MINIMUM 3' FROM OPERABLE OPENINGS.
2. FACTORY BUILT COMBINATION INTAKE/EXHAUST TERMINATION.
3. PROVIDE SIGN AT SWITCH TO READ "WHOLE HOUSE VENTILATION (LEAVE ON UNLESS AIR QUALITY IS VERY POOR)."
4. LOUVERED DOOR, SEE ARCH DRAWINGS.
5. EXTEND 6"Ø DUCT FROM WATER HEATER DISCHARGE TO 10x8 WALL GRILLE.
6. UNDERCUT DOOR.



KEY PLAN
NTS

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

HULTZ BHU engineers inc
1111 Fawcett Ave Suite 100 Tacoma, WA 98402
Phone: (253) 383-3257 Fax: (253) 383-3283
general@hultzbhu.com Job Number: 25-132

STEPHEN A. HULTZ
STATE OF WASHINGTON
25132
REGISTERED PROFESSIONAL ENGINEER

SIGNED
03-19-2026

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: Author
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION: **DESCRIPTION:**

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SHEET TITLE:
ENLARGED HVAC PLAN - FLOOR 1 (WEST)

SHEET NO.:
M411

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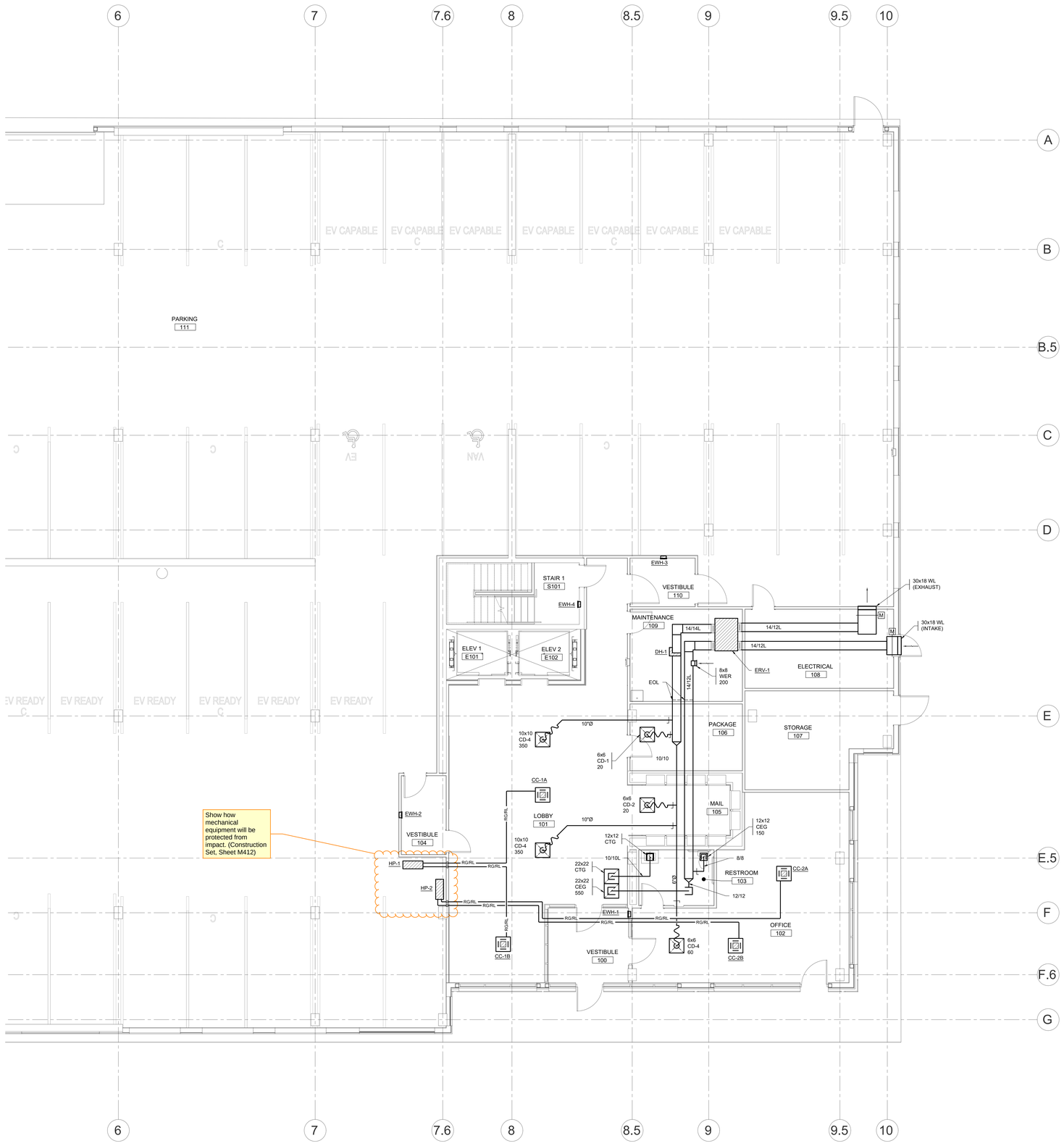

1 M412 ENLARGED HVAC PLAN - FLOOR 1 (EAST)
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SCALE 3/16" = 1'-0"

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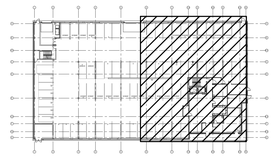

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03-18-2026

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BUILDING PERMIT SET

SHEET TITLE:
ENLARGED HVAC PLAN - FLOOR 1 (EAST)

SHEET NO.:
M412

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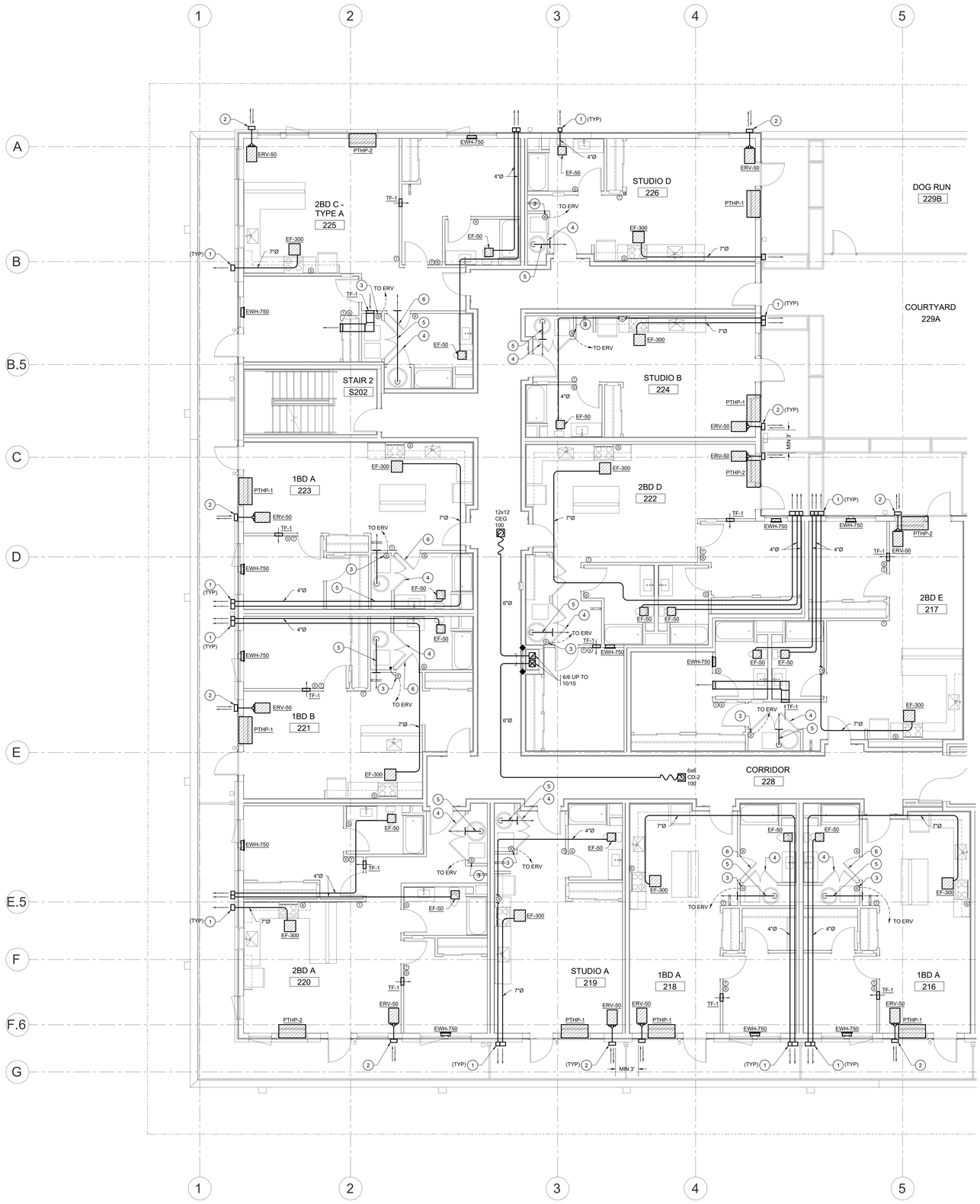

1 M413 ENLARGED HVAC PLAN - FLOOR 2 (WEST)
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SCALE 3/16" = 1'-0"

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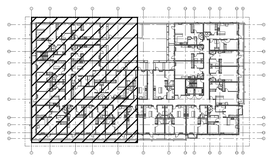

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general@hultzbhu.com Job Number: 25-132

STEPHEN A. HULTZ — STATE OF WASHINGTON — 22000 — REGISTERED PROFESSIONAL ENGINEER
SIGNED
03-19-2026

PUYALLUP BELL PLACE

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URBAN PUYALLUP MIXED USE LLC

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SHEET TITLE:
ENLARGED HVAC PLAN - FLOOR 2 (WEST)

SHEET NO.:
M413

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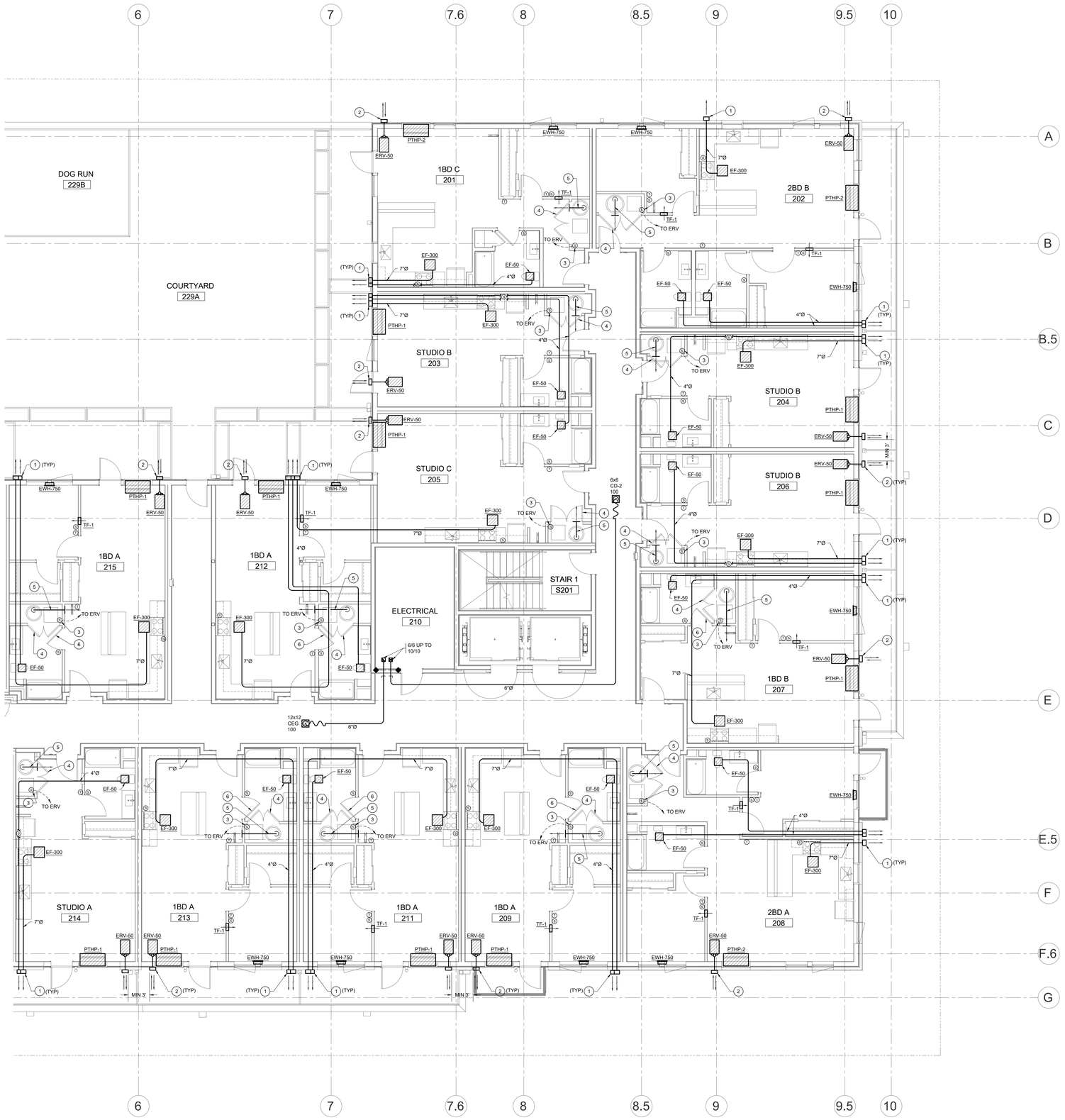

1 M414 ENLARGED HVAC PLAN - FLOOR 2 (EAST)
3/16" = 1'-0"

0' 1' 3' 5' 10'
SCALE 3/16" = 1'-0"

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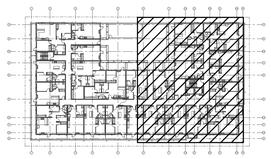

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BUILDING PERMIT SET

SHEET TITLE:
ENLARGED HVAC PLAN - FLOOR 2 (EAST)

SHEET NO.:
M414

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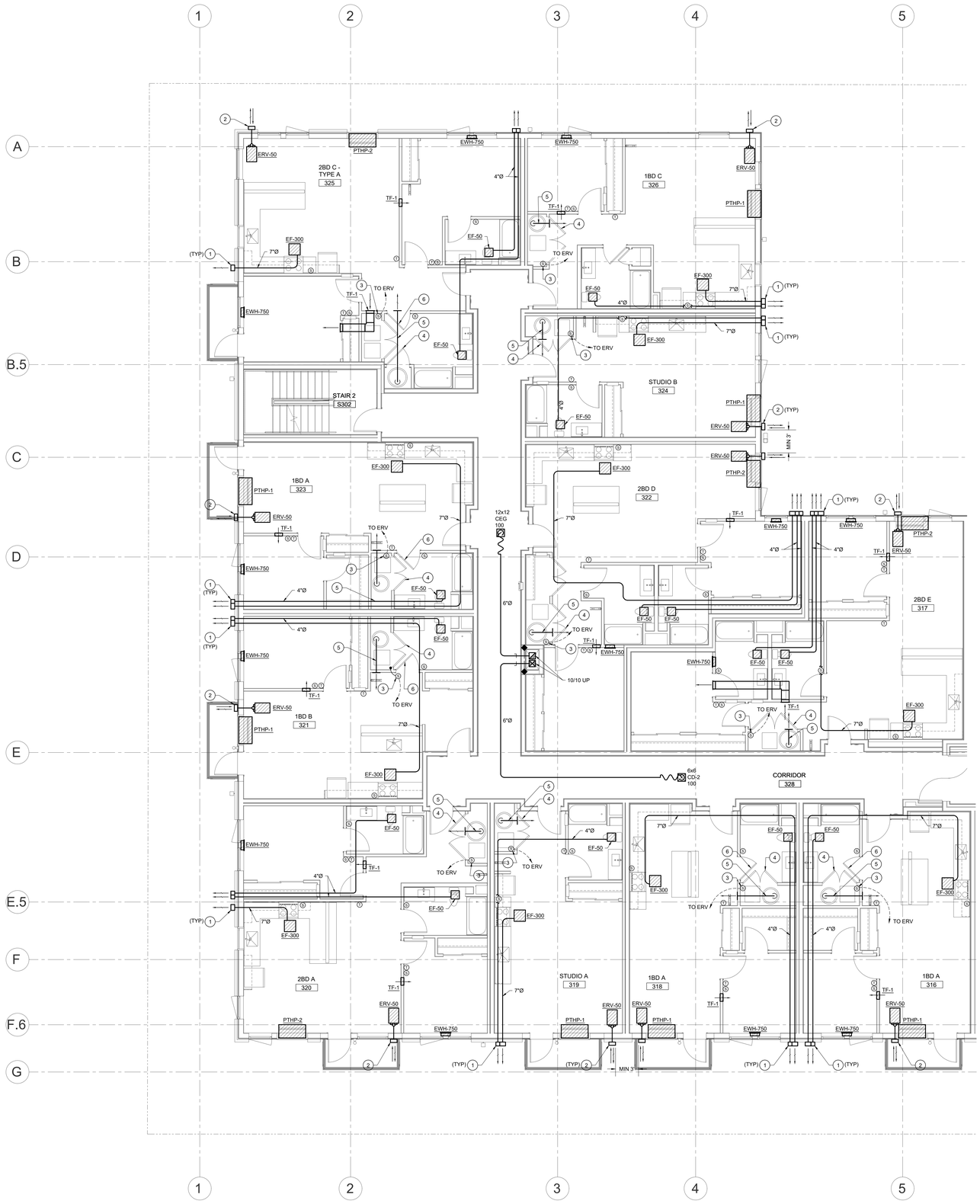

1 M415 ENLARGED HVAC PLAN - FLOOR 3-5 (WEST)
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1' 5'
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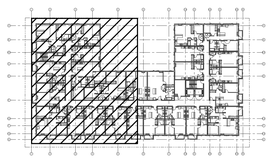

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BUILDING PERMIT SET

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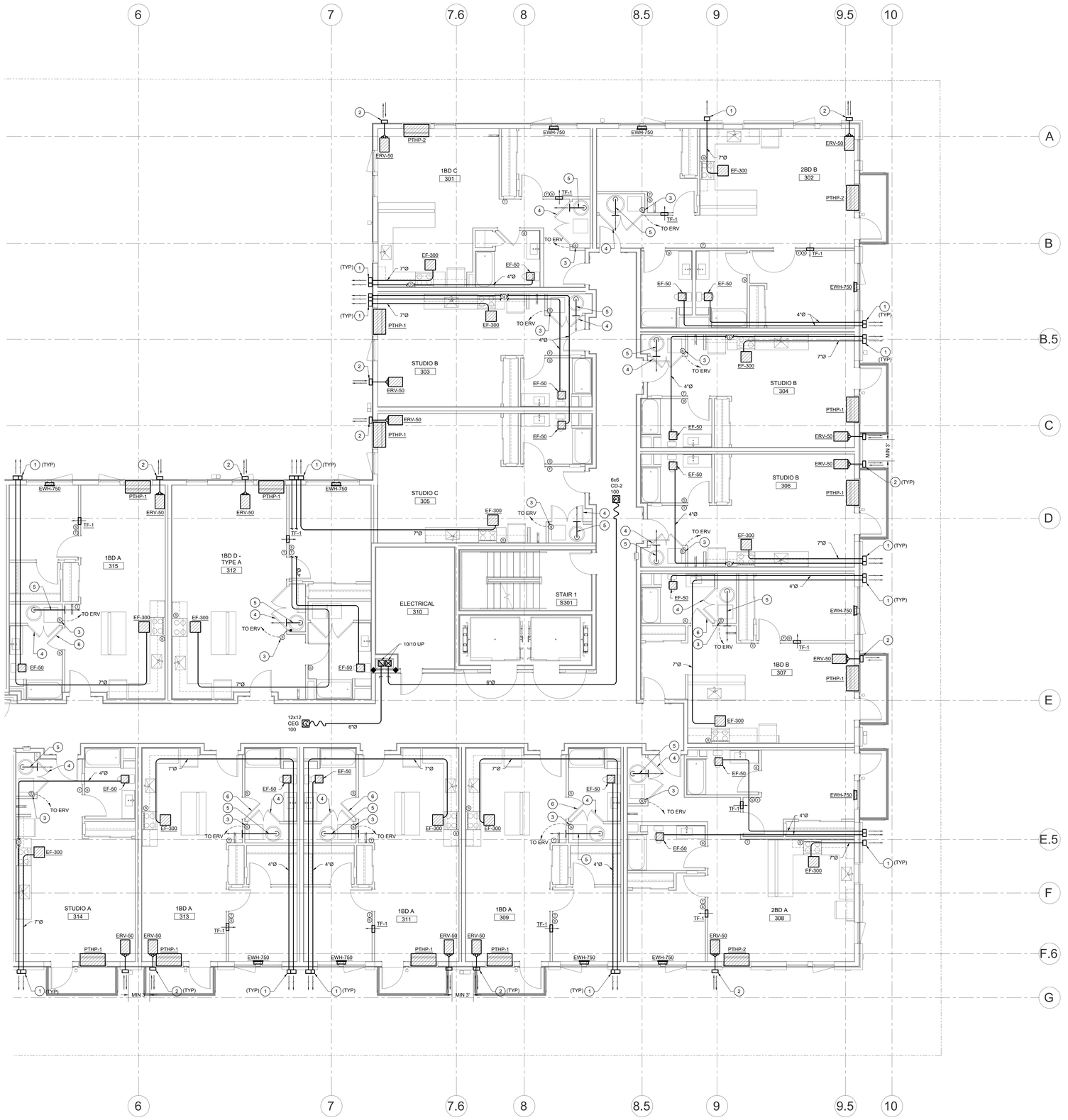
BUILDING PERMIT SET

SHEET TITLE:
ENLARGED HVAC PLAN - FLOOR 3-5 (WEST)

SHEET NO.:
M415

I:\2025 Jobs\25-132\Drawings\Arch\9-25 RVT\25129 Puyallup Bell Place-2025-CENTRAL.rvt
9/9/2025 8:35:18 AM



1 M416 ENLARGED HVAC PLAN - FLOOR 3-5 (EAST)
3/16" = 1'-0"

SCALE 3/16" = 1'-0"

GENERAL NOTES:

1. THESE DRAWINGS HAVE BEEN PREPARED FOR PERMIT. FINAL DESIGN AND DETAILING IS BY THE CONTRACTOR. FINAL DESIGN WORK INCLUDES (BUT IS NOT LIMITED TO): REVIEW OF ALL CONTRACT DOCUMENTS, VERIFYING AIR INLET/OUTLET LOCATIONS, VERIFYING CONTROL DEVICE LOCATIONS, VERIFYING PROPER DUCT SIZES, VERIFYING SPACE AVAILABLE FOR ALL EQUIPMENT, VERIFYING SPACE AVAILABLE FOR ALL DUCTWORK, VERIFYING RELIEF AIR PATH, COORDINATING WORK WITH OTHER TRADES, FINAL DESIGN OF HVAC SYSTEMS AND PREPARATION OF FINAL CONSTRUCTION SHOP DRAWINGS (BASED ON THESE REVIEW EFFORTS AND DESIGN/COORDINATION WORK).
2. SEE MECHANICAL NOTES ON SHEET M001.
3. ALL DUCTS ARE PRELIMINARY AND ARE TO INDICATE FREE AREA REQUIRED AND HAVE NOT BEEN VERIFIED TO FIT. CONTRACTOR IS RESPONSIBLE TO REVIEW DRAWING AND SELECT FINAL DUCT SIZES AND ROUTING TO SERVE CONSTRUCTION.
4. PROVIDE DUCT TRANSITIONS AT DUCT CONNECTIONS TO ALL EQUIPMENT AND AIR TERMINALS TO MATCH ITEMS' CONNECTIONS SIZES. TRANSITIONS SHALL BE LINED WHERE THE CONNECTING DUCT IS LINED.
5. DUCTWORK SHALL BE CONSTRUCTED TO THE PRESSURE CLASS CORRESPONDING TO THE FAN STATIC PRESSURE THAT SERVES THE DUCT, BUT NO LESS THAN 1-INCH WG (PLUS/MINUS AS APPROPRIATE). SEAL DUCTWORK FOR SEAL CLASS C PER CODE REQUIREMENTS.
6. LOCATE ALL EQUIPMENT, DAMPERS, AND ITEMS REQUIRING ADJUSTMENT OR MAINTENANCE TO BE ACCESSIBLE.PROVIDE BUILDING ACCESS DOORS AS REQUIRED. PROVIDE DUCT ACCESS DOORS AT ALL BDD'S AND MOTORIZED DAMPERS.
7. EXHAUST OUTLETS TO MAINTAIN 3' SEPARATION FROM ALL OPERABLE OPENINGS.
8. ALL EQUIPMENT LOCATED IN SOFFIT AND DROPPED CEILING SHALL BE PROVIDED WITH ACCESS DOORS AS REQUIRED TO PROVIDE SERVICE ACCESS.
9. VERIFY LOCATION OF EF'S, ERVS', PTHP'S, EHS, TF'S, UH'S, CC'S, HP'S & ALL CONTROLS W/ OWNER & ARCHITECT PRIOR TO ROUGH-IN.
10. LOCATE BATHROOM EXHAUST FANS PER ARCHITECTURAL REFLECTED CEILING PLANS.
11. SEE EQUIPMENT SCHEDULE ON SHEET M002 FOR REFRIGERANT PIPE SIZES.
12. SEE PLUMBING DRAWINGS FOR CONDENSATE DRAINS.

KEYED NOTES:

1. WALL CAP/ LOUVER. TERMINATE EXHAUST DUCTS AT WALL CAP/ LOUVER MINIMUM 3' FROM OPERABLE OPENINGS.
2. FACTORY BUILT COMBINATION INTAKE/EXHAUST TERMINATION.
3. PROVIDE SIGN AT SWITCH TO READ "WHOLE HOUSE VENTILATION (LEAVE ON UNLESS AIR QUALITY IS VERY POOR)."
4. LOUVERED DOOR, SEE ARCH DRAWINGS.
5. EXTEND 6"Ø DUCT FROM WATER HEATER DISCHARGE TO 10x8 WALL GRILLE.
6. UNDERCUT DOOR.

C2K
ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

HULTZ BHU engineers inc
1111 Fawcett Ave Suite 100 Tacoma, WA 98402
Phone: (253) 383-3257 Fax: (253) 383-3283
general@hultzbhu.com Job Number: 25-132

STEPHEN A. HULTZ — STATE OF WASHINGTON — 22010 — REGISTERED PROFESSIONAL ENGINEER
SIGNED
03-19-2026

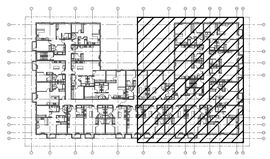
PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: Author
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION: DESCRIPTION:



KEY PLAN
NTS

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BUILDING PERMIT SET

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ENLARGED HVAC PLAN - FLOOR 3-5 (EAST)

SHEET NO.:
M416

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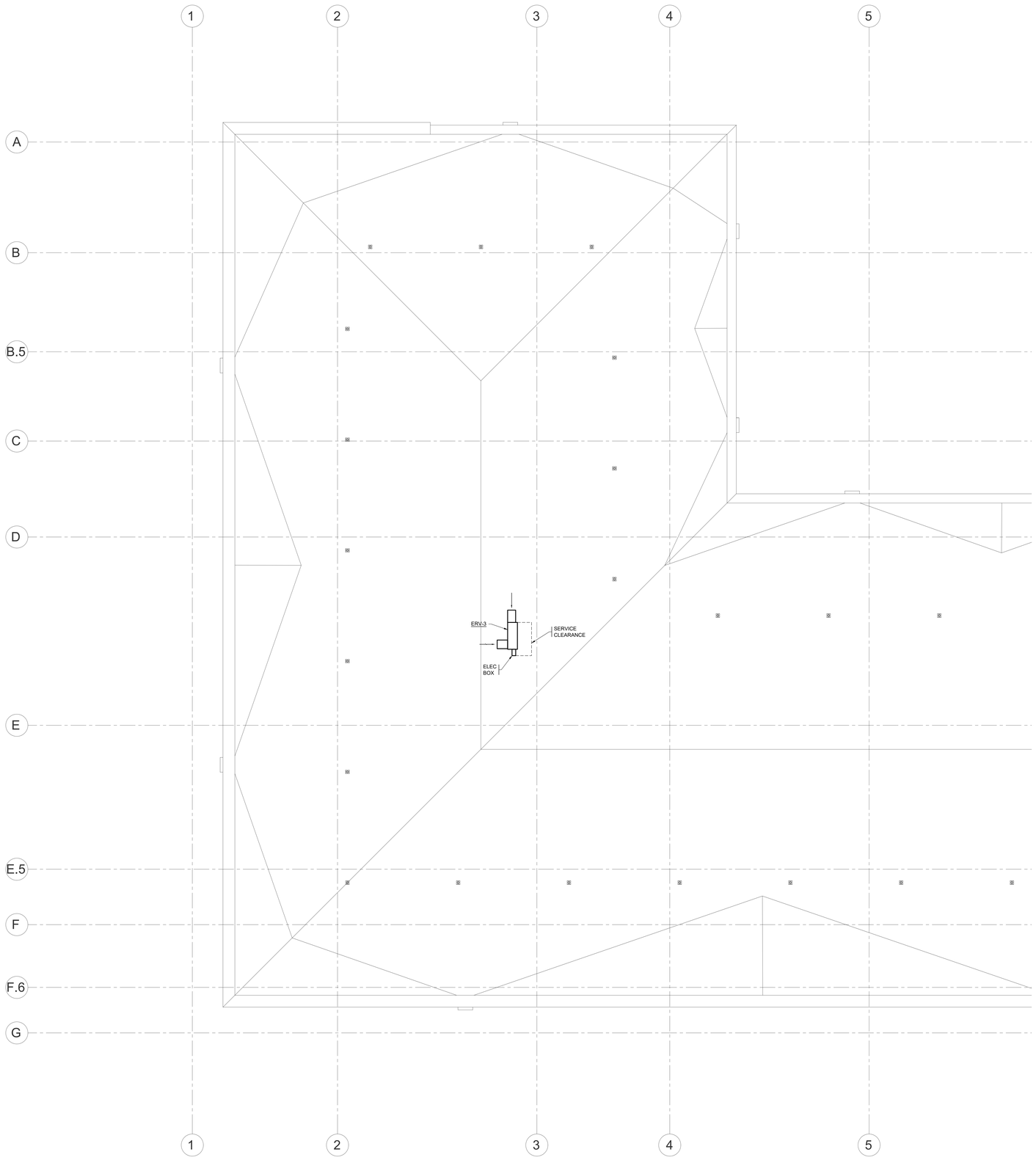

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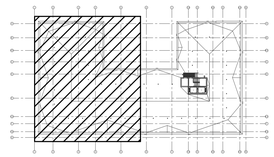
KEYED NOTES:

(1) CONTRACTOR TO FIELD VERIFY APPROPRIATE LOCATION TO CLEAR ELEVATOR COMPONENTS AND PROVIDE SERVICE ACCESS.



KEY PLAN
NTS

1 / W417 ENLARGED ROOF PLAN - HVAC (WEST)
3/16" = 1'-0"

1' 5'
0' 3' 10'
SCALE 3/16" = 1'-0"

C2K ARCHITECTURE
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HULTZ BHU engineers inc
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03-19-2026

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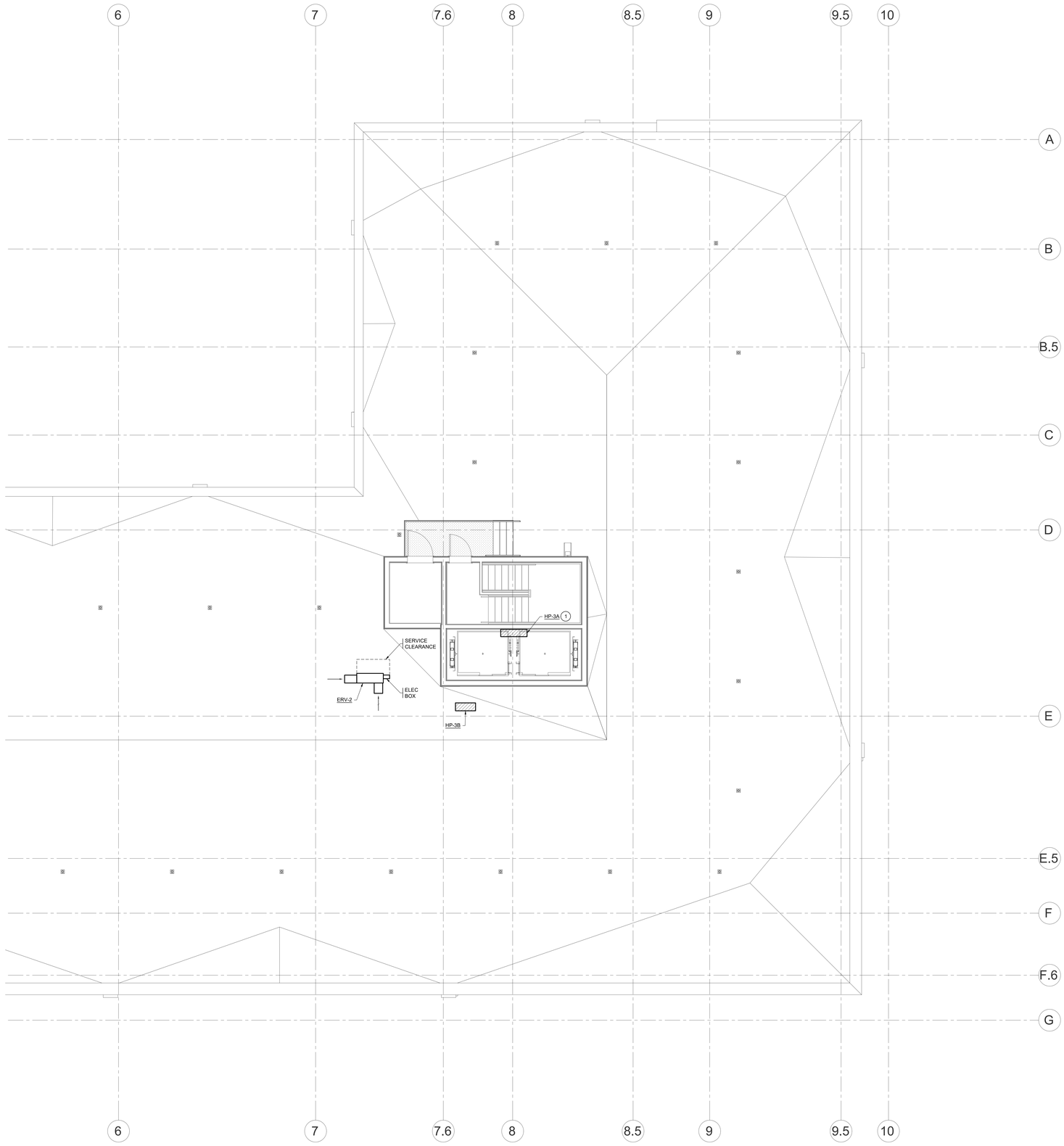

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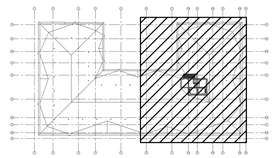

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1 M418 ENLARGED ROOF PLAN - HVAC (EAST)
3/16" = 1'-0"

1' 0' 5' 3' 10'
SCALE 3/16" = 1'-0"

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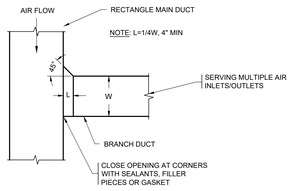
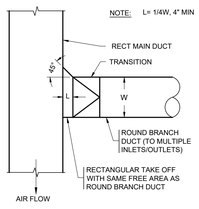


RECT-TO-RECT BRANCH DUCT CONNECTION 5

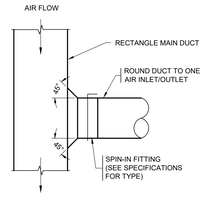
NTS M421



SERVING MULTIPLE INLET/OUTLET

RECT-TO-ROUND BRANCH DUCT CONNECTION 4

NTS M421



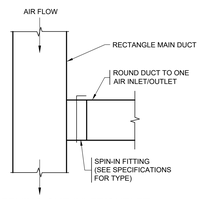
BRANCH SERVING MULTIPLE AIR INLETS/OUTLETS

NOTE:

WHERE MAIN DUCT DOES NOT HAVE ADEQUATE HEIGHT TO ACCEPT ROUND DUCT, PROVIDE RECTANGULAR CONNECTION, WITH SAME FREE AREA AS ROUND DUCT, AND TRANSITION TO ROUND

RECT-TO-ROUND BRANCH DUCT CONNECTION 3

NTS M421



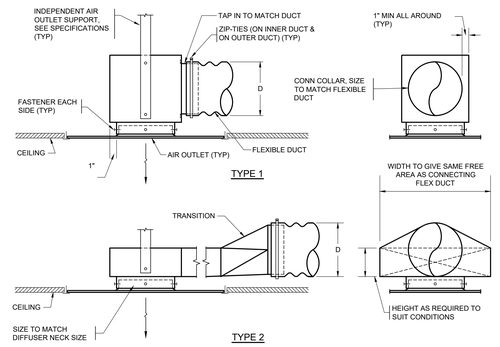
SERVING ONE INLET/OUTLET

NOTE:

WHERE MAIN DUCT DOES NOT HAVE ADEQUATE HEIGHT TO ACCEPT ROUND DUCT, PROVIDE RECTANGULAR CONNECTION, WITH SAME FREE AREA AS ROUND DUCT, AND TRANSITION TO ROUND

RECT-TO-ROUND BRANCH DUCT CONNECTION 2

NTS M421

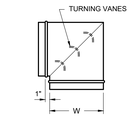


NOTES:

1. PROVIDE TYPE 1 UNLESS BUILDING CONDITIONS REQUIRE LOWER PROFILE - THEN USE TYPE 2.
2. CONSTRUCT PLENUM BOXES OF MIN. 26 GA. GALV. STEEL.
3. NOT ALLOWED AT TRANSFER DUCTS.
4. LINE PLENUM & DUCT TO AIR OUTLET WHERE SO NOTED ON PLANS OR IN SPECIFICATIONS.
5. CEILING TYPE & AIR OUTLET FRAME STYLE MAY VARY FROM THAT DEPICTED.
6. NOT ALL SUPPORTS ARE SHOWN FOR CLARITY.
7. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

TIGHT CONDITION - FLEX DUCT AIR OUTLET CONNECTION 1

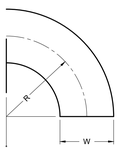
NTS M421



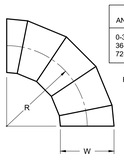
MITERED 90° ELBOW

DIMENSION:

DIAMETER (INCH)	NUMBER OF VANES
3-9	2
10-14	3
15-19	4
20-60	5
OVER 60	12" MAX. SPACING



DIE-STAMPED ELBOW



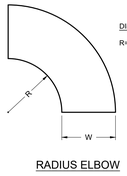
ANGLE	NUMBER OF GORES
0-35°	2
36-71°	3
72-90°	5

FABRICATED ELBOW

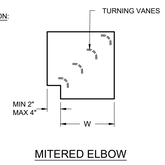
ELBOWS - ROUND 9

NTS M421

NOT ALLOWED



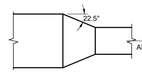
RADIUS ELBOW



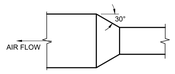
MITERED ELBOW

ELBOWS - RECTANGULAR 8

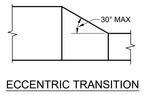
NTS M421



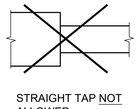
CONCENTRIC TRANSITION (DIVERGING)



CONCENTRIC TRANSITION (CONVERGING)



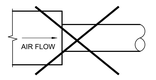
ECCENTRIC TRANSITION



STRAIGHT TAP NOT ALLOWED

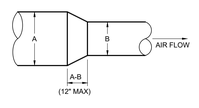
RECT-TO-RECT TRANSITIONS 7

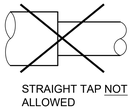
NTS M421



STRAIGHT TAP NOT ALLOWED

RECT - TO ROUND



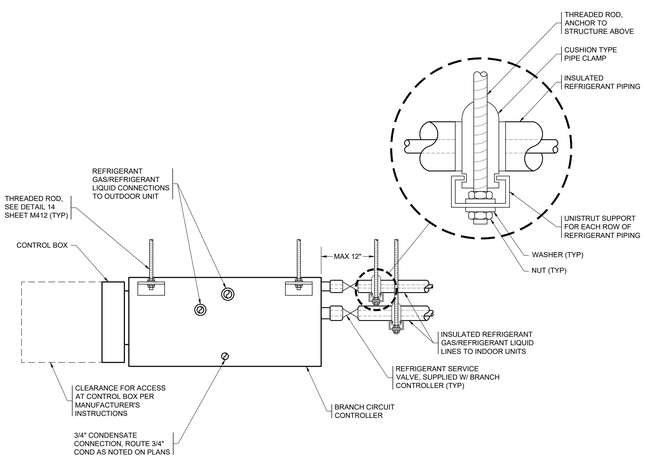


STRAIGHT TAP NOT ALLOWED

ROUND - TO ROUND

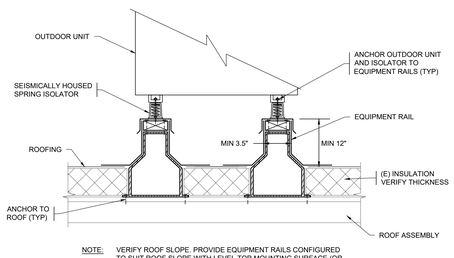
ROUND TRANSITIONS 6

NTS M421



BRANCH CIRCUIT CONTROLLER 13

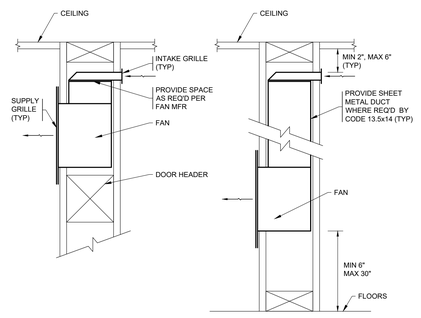
NTS M421



NOTE: VERIFY ROOF SLOPE. PROVIDE EQUIPMENT RAILS CONFIGURED TO SUIT ROOF SLOPE WITH LEVEL TOP MOUNTING SURFACE (OR PROVIDE PRESSURE TREATED WOOD SLEEPERS AT BASE, CUT TO PROVIDE LEVEL SURFACE FOR RAIL).

SLEEPERS DETAIL 12

NTS M421



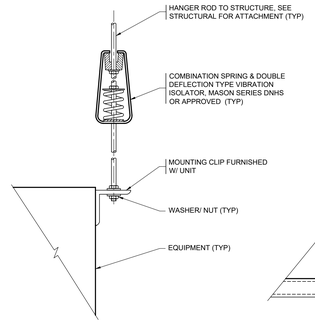
ABOVE DOOR WALLS

NOTES:

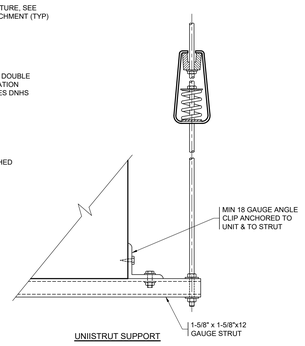
1. VERIFY SPACE AVAILABLE PRIOR TO ORDERING MATERIALS.

TF-1 DETAIL 11

NTS M421



UNIT W/ SUPPORT PROVISIONS



UNIISTRUT SUPPORT

NOTES:

1. ALL SUSPENDED HVAC EQUIPMENT W/ ROTATING COMPONENTS SHALL HAVE VIBRATION ISOLATORS AS SHOWN.
2. VIBRATION ISOLATORS SHALL BE SELECTED FOR 1" DEFLECTION.
3. FOR INTERNALLY ISOLATED UNITS PROVIDE DOUBLE DEFLECTION NEOPRENE HANGER (MASON SERIES HD OR APPROVED) IN LIEU OF TYPE SHOWN. SIZE FOR 1/8" DEFLECTION.
4. SEE STRUCTURAL FOR ATTACHMENT TO STRUCTURE & OTHER ANCHORING REQUIREMENTS.
5. DIRECT DRIVE EQUIPMENT MAY USE RUBBER-IN-SHEAR TYPE ISOLATORS.
6. MOUNT SPRING ISOLATOR AS CLOSE TO EQUIPMENT AS POSSIBLE.
7. NOT REQUIRED FOR CEILING TYPE EXHAUST FANS OR UNIT HEATERS.
8. PROVIDE SEISMIC RESTRAINS PER SPECIFICATIONS & PER CODE.

SUSPENDED EQUIP. SUPPORT 10

NTS M421

C2K ARCHITECTURE
1645 NW HOYT
PORTLAND OREGON 97209
503 444 2200

HULTZ BHU engineers inc
1111 Fawcett Ave Suite 100 Tacoma, WA 98402
Phone: (253) 383-3257 Fax: (253) 383-3283
general@hultzbhu.com Job Number: 25-132

SIGNED
03-18-2026

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: Author
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION: DESCRIPTION:

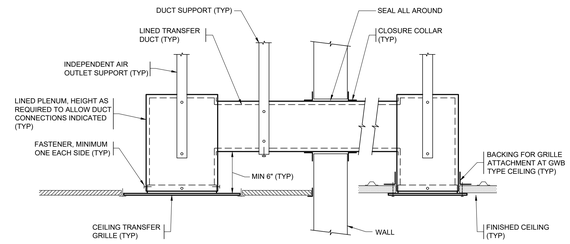
REPRODUCTION OF THIS DRAWING IS EXPRESSLY FORBIDDEN WITHOUT THE SPECIFIC WRITTEN PERMISSION OF C2K ARCHITECTURE INC. THIS DRAWING IS ONLY CONDITIONALLY ISSUED, AND NEITHER RECEIPT OR POSSESSION THEREOF CONFERS OR TRANSFERS ANY RIGHT TO, OR LICENSE TO, USE THE SUBJECT MATTER OF THIS DRAWING OR ANY TECHNICAL INFORMATION SHOWN THEREON, NOR ANY RIGHT TO REPRODUCE THIS DRAWING OR PART THEREOF, WITHOUT THE WRITTEN AUTHORIZATION OF C2K ARCHITECTURE INC.

BUILDING PERMIT SET

SHEET TITLE:
MECHANICAL DETAILS

SHEET NO.:
M421

I:\2025 Jobs\25-132\Drawings\Arch\9-8-25 RVT\25129 Puyallup Bell Place-2025-CENTRAL.rvt
9/8/2025 8:35:18 AM



NOTES:
1. CEILING TYPE & AIR INLET FRAME STYLES MAY VARY FROM THAT DEPICTED.
2. SEE PLAN FOR SIZE & QUANTITY OF DUCT CONNECTIONS AND TRANSFER GRILLES.
3. PROVIDE ADDED ELBOWS AS SHOWN ON PLANS.

TRANSFER DUCT 20

NTS M422

C2K ARCHITECTURE
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HULTZ BHU engineers inc
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Phone: (253) 383-3257 Fax: (253) 383-3283
general@hultzbhu.com Job Number: 25-132

SIGNED
03-19-2026

PUYALLUP BELL PLACE

OWNER:
URBAN PUYALLUP MIXED USE LLC

ADDRESS:
204 4TH ST SW
PUYALLUP, WA 98371

PROJECT NO.: 25129
DRAWN: Author
DATE: 20 MARCH 2026
BUILDING PERMIT SET

REVISION: DESCRIPTION:

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BUILDING PERMIT SET

SHEET TITLE:
MECHANICAL DETAILS

SHEET NO.:
M422

I:\2025 Jobs\25-132\Drawings\Arch\9-8-25 RVT\25129 Puyallup Bell Place-2025-CENTRAL.rvt
9/9/2025 8:35:18 AM

GENERAL NOTES:

1. ELECTRICAL REQUIREMENTS ARE NOT LIMITED TO ELECTRICAL DRAWINGS AND SPECIFICATIONS. THERE IS ADDITIONAL ELECTRICAL WORK REQUIRED TO BE INCLUDED IN THE BID, INDICATED ON ARCHITECTURAL, LANDSCAPE, CIVIL AND MECHANICAL DRAWINGS.
2. CONTRACTOR SHALL INCLUDE IN HIS BID LIGHTING CONTROL COMMISSIONING COSTS. CONTRACTOR SHALL PROVIDE THE OWNER A COMPLETE REPORT OF TEST PROCEDURES AND RESULTS INDICATING ALL LIGHTING CONTROLS HAVE BEEN TESTED, ADJUSTED AND OPERATE IN ACCORDANCE WITH APPROVED PLANS AND SPECIFICATIONS AND THE WASHINGTON STATE NONRESIDENTIAL ENERGY CODE. SECTION C408. CONTRACTOR SHALL PROVIDE A SPREAD SHEET INDICATING ROOM NUMBER, TYPE OF CONTROL (OCCUPANCY SENSOR, LOW VOLTAGE, ETC.), VERIFICATION OF PROPER WORKING ORDER, AND ADJUSTMENTS MADE.
3. CONTRACTOR SHALL CONCEAL CONDUIT WHEREVER POSSIBLE. CONTRACTOR SHALL SUBMIT TO ARCHITECT FOR REVIEW AND APPROVAL, ALL ROUTINGS OF ANY EXPOSED CONDUIT PRIOR TO ROUGH-IN. NO EXPOSED CONDUIT SHALL BE INSTALLED UNTIL APPROVAL IS PROVIDED IN WRITING FROM THE ARCHITECT. ALL EXPOSED CONDUIT SHALL BE ROUTED IN A NEAT AND WORKMANSHIP LIKE MANNER.
4. CONTRACTOR SHALL PROVIDE A HOT-WIRE OF THE SAME CIRCUIT FOR ALL LIGHT FIXTURES WITH BATTERY PACKS, SO THAT THE BATTERY PACK IS BEING CHARGED AT ALL TIMES.
5. CONTRACTOR SHALL SEE ARCHITECTURAL DRAWINGS FOR THE FIRE WALL SEPARATIONS. CONTRACTOR SHALL PROVIDE CAULKING, SEAL-OFFS, ETC. AS REQUIRED BY CODE TO RETAIN FIRE WALL SEPARATION RATINGS.
6. ALL WALL PENETRATIONS SHALL BE NEATLY CORE-DRILLED, CAULKED AND SEALED TO MAINTAIN FIRE, AND WATERPROOF RATING. PATCH, REPAIR, AND PAINT TO MATCH EXISTING.
7. FIRE ALARM SYSTEM SHALL BE DESIGN/BUILD BY THE FIRE ALARM SUBCONTRACTOR. FIRE ALARM CONTRACTOR SHALL PREPARE A FULL FIRE ALARM SHOP DRAWING SET WITH BATTERY CALCULATIONS, WIRING REQUIREMENTS AND DETAILS FOR SUBMITTAL TO LOCAL FIRE MARSHAL. APPROVAL FROM FIRE MARSHAL/BUILDING DEPARTMENT IS REQUIRED PRIOR TO START OF FIRE ALARM INSTALLATION.
8. ALL ELECTRICAL WORK SHALL BE PROVIDED PER THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE, WASHINGTON STATE ADMINISTRATIVE CODE, AND CITY OF PUYALLUP CODES AND AMENDMENTS.

ELECTRICAL SYMBOLS LEGEND

A/B	DETAIL/SECTION IDENTIFICATION: A = DETAIL/SECTION LETTER, B = SHEET NUMBER WHERE DETAIL/SECTION IS DRAWN.
A/B	EQUIPMENT CONNECTION CALLOUT. A,B EQUAL EQUIPMENT IDENTIFICATION ON MECHANICAL EQUIPMENT CONNECTION SCHEDULES. VERIFY EXACT EQUIPMENT REQUIREMENTS ON SHOP DRAWING EQUIPMENT SUBMITTALS PRIOR TO ROUGH-IN. DO NO ROUGH-IN FOR EQUIPMENT PRIOR TO REVIEW OF SUBMITTALS. REPORT ANY DIFFERENCES IN REQUIREMENTS TO ENGINEER IN WRITING.
	CONDUIT CONCEALED. HASH MARKS INDICATE NUMBER OF #12 CONDUCTORS IN CODE SIZE CONDUIT. NO HASH MARKS INDICATES 2-#12 CONDUCTORS PLUS GROUND IN 3/4" CONDUIT, LONG HASH MARKS INDICATES NEUTRAL CONDUCTOR. INDICATES GROUND CONDUCTOR.
2	NON-METALLIC SHEATHED CABLE 12/2 CU WITH GROUND
3	NON-METALLIC SHEATHED CABLE 12/3 CU WITH GROUND
	FLEXIBLE RACEWAY, PROVIDE GROUND CONDUCTORS PER NEC.
	A-1,3 ADJACENT TO ARROW INDICATES HOMERUN OF CONDUCTORS IN CONDUIT FOR CIRCUITS 1 AND 3 TO PANEL "A".
	EXIT LIGHT WITH BATTERY, UNIVERSAL MOUNTING.
	EMERGENCY FLOODLIGHT WITH BATTERY.
	LED LIGHT FIXTURE, SURFACE MOUNTED ON CEILING.
	LED LIGHT FIXTURE, WITH EMERGENCY BATTERY PACK.
	LED LIGHT FIXTURE, WALL MOUNTED.
	LED DOWNLIGHT FIXTURE.
H	LED WALL MOUNT LIGHT FIXTURE.
J	JUNCTION BOX.
A1	LIGHT FIXTURE TYPE. A1 = SPECIFIC LIGHTING FIXTURE REFERENCED ON LIGHTING FIXTURE SCHEDULE.
	POWER PANEL
	DUPLEX RECEPTACLE 20A, 125 VOLT WALL MOUNTED AT 18 INCHES AFF. G = GROUND FAULT INTERRUPTING, T = TAMPERPROOF.
	DUPLEX RECEPTACLE 20A, 125 VOLT WALL MOUNTED HORIZONTALLY 2" ABOVE COUNTERTOP BACKSPLASH TO THE BOTTOM OF THE RECEPTACLE COVERPLATE.
	FOURPLEX RECEPTACLE 20A, 125 VOLT, WALL MOUNTED AT 18 INCHES AFF.
	SPECIAL RECEPTACLE. AMPERAGE AND VOLTAGE AS SHOWN.
	EQUIPMENT CONNECTION. PROVIDE PER NEC AND MANUFACTURERS REQUIREMENTS AND/OR RECOMMENDATIONS.
SC	120V (WITH BATTERY BACKUP) COMBINATION SMOKE (IONIZATION) AND CARBON MONOXIDE DETECTOR WITH INTEGRAL SOUNDER BASE, LED STROBE AND SILENCING SWITCH.
S	120V (WITH BATTERY BACKUP) SMOKE (PHOTOELECTRIC) DETECTOR WITH INTEGRAL SOUNDER BASE AND SILENCING SWITCH.
SB	UNIT COMMUNICATIONS SMART BOX
EWH XX	ELECTRIC WALL HEATER. SUBSCRIPT "XX" INDICATES WATTAGE. SEE MECHANICAL PLANS FOR MANUFACTURER/MODEL INFORMATION.
TV	CABLE TV OUTLET.
S	LIGHT SWITCH TOGGLE TYPE, SINGLE POLE, SUBSCRIPTS; 3 = THREE WAY, 4 = FOUR WAY, D = DIMMER CONTROL, K = KEY OPERATED, P = PILOT LIGHT, a, b, c, ETC = NUMBER OF SWITCHES AT THE LOCATION AND SPECIFIC FIXTURES CONTROLLED. MOUNT AT 42 INCHES AFF.
S_T	DIGITAL 0-12 HOUR TIMER SWITCH. SENSORWORX #SWX-843-12H OR EQUAL.
S_Y	AUTOMATIC/MANUAL OCCUPANCY SENSOR AND SINGLE POLE TOGGLE SWITCH. SENSORWORX #SWX-123 OR EQUAL. SWITCH SHALL BE PROGRAMMED FOR MANUAL ON, AUTOMATIC OFF.
S_{YDL}	AUTOMATIC/MANUAL OCCUPANCY SENSOR SWITCH WITH DAYLIGHT PHOTOSENSOR. SENSORWORX #SWX-133-D OR EQUAL. SWITCH SHALL BE PROGRAMMED FOR MANUAL ON, AUTOMATIC OFF.
S_M	WIRELESS NETWORKED LIGHT SWITCH. D=DIMMER, 3=THREE WAY, 4=FOUR WAY.
I/O	WIRELESS INPUT/ OUTPUT POWER PACK MODULE FOR LIGHT CONTROLS.
OS	DUAL TECHNOLOGY AUTOMATIC OCCUPANCY SENSOR DEVICE WITH POWER PACK (WATT STOPPER #DT-300).
PS	DAYLIGHT PHOTOSENSOR
	DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH WITH FUSES.
S_m	MOTOR RATED TOGGLE SWITCH WITH OVERLOAD HEATER(S), SIZE PER NEC AND MANUFACTURERS REQUIREMENTS.
	FLUSH MOUNTED DUAL TELEPHONE/DATA OUTLET, MOUNT AT 18" AFF. PROVIDE 4" SQUARE BOX WITH 1" CONDUIT AND PULL STRING TO ACCESSIBLE CEILING SPACE.
	GROUND PER NEC.
XXX	AVAILABLE FAULT CURRENT
SWX-T	TRANSIENT VOLTAGE SURGE SUPPRESSION. TPS3-X-11-15-D2. SIEMENS OR EQUAL. "X" = VOLTAGE/ PHASE (VARIES), SEE POWER RISER DIAGRAM AND/OR PANEL SCHEDULES FOR VOLTAGE AND PHASE REQUIREMENTS.
WP	WEATHERPROOF

PERMIT SET

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Job Number: 25-162
info@crossengineers.com

PUYALLUP BELL PLACE
204 44TH ST SW
PUYALLUP, WA 98371

ELECTRICAL SYMBOLS LEGEND/
LIGHTING FIXTURE SCHEDULE

REVISIONS:

STEVEN L. HUBER — STATE OF WASHINGTON — 26009060 — REGISTERED PROFESSIONAL ENGINEER
5/18/26

SCALE:	AS NOTED
DATE:	3-18-2026
DRAWN BY:	IAE
CHECKED BY:	SLH
JOB NO.:	25-162
SHEET	E001
OF	- -

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LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	LAMPS	WATTS	MOUNTING
A1	METALUX 4SRL-LD5-37SL-LW-UNV-L830-CD-1-WLS OR EQUAL	LED	29	WALL/SURFACE
A1X	SAME AS TYPE A1 WITH EMERGENCY BATTERY PACK			
A2	METALUX 4SLSTPSLC-UNV OR EQUAL	LED	46	SURFACE
A3	METALUX 8SLSTPSLC-UNV OR EQUAL	LED	88	SURFACE
A4	AXIS LIGHTING BBRLED-1000-90-30-FL-4-W-UNV-DP-1-DF OR EQUAL	LED	38	RECESSED
A5	ARTIKA PRO 16VAN-MY-CH10TE10-J OR EQUAL	LED	18	WALL
A6	PURE EDGE LIGHTING CCDS-7W-1R-72"-30K-WH WITH 96 WATT REMOTE POWER SUPPLY #PSB-96W-UNI-24VDC OR EQUAL	LED	42	SURFACE/ CEILING
B1	HALO SMX8RLSFS010 OR EQUAL	LED	15	SURFACE
B2	NUMERA LIGHTING NL1442.02 OR EQUAL	LED	5	WALL
B3	HALO SMX6RLSFS010 OR EQUAL	LED	11	SURFACE
B4	LITELINE SLMB6-16-W-CCT-P-WH OR EQUAL	LED	16	RECESSED
B5	LIGHTOLOGY ICW1009137 OR EQUAL	LED	8	WALL
B6	LIGHTOLOGY ICW1049091 OR EQUAL	LED	5	SURFACE/ CEILING
C1	MCGRAW-EDISON TT-D2-830-U-WQ-AP-SPS2WH OR EQUAL	LED	39	SURFACE
C1X	SAME AS TYPE C1 WITH EMERGENCY BATTERY PACK			
D1	LUXX BOX LX-HI-L-XX-30-UNV-CD OR EQUAL	LED	48	PENDANT

TYPE	MANUFACTURER	LAMPS	WATTS	MOUNTING
E1	LITON LCMPD-VR-7R-B-UE-D10-TS2750 OR EQUAL	LED	14	SURFACE
E2	BETA CALCO CYXW-DR06-DT1-DN01-CR80-CTA30-BA15-LMA02000-LMB0000-V1-DA01-MB3-FA02 OR EQUAL	LED	16	WALL
E3	BETA CALCO ENTE1E01-FL27-CR80-V1-DA010-CTA30-CTB30-CTC00-BA21-BB00-FA02-VBO OR EQUAL	LED	18	WALL
E4	AXIS LIGHTING EX2S-500-80-30-S0-4-BLK-UNV-DP-1-XX OR EQUAL	LED	30	SURFACE
E4X	SAME AS TYPE E5 WITH EMERGENCY BATTERY PACK			
PL	METALUX 4VT3-LD5-4-G-UNV-L840-CD1 OR EQUAL	LED	32	SURFACE
U1	HALO SMD6R-12-9S-WH OR EQUAL	LED	15	SURFACE
U2	PROGRESS LIGHTING P30048-163 OR EQUAL	(4)LED	50	WALL
U3	PROGRESS LIGHTING P730005-031-30 OR EQUAL	LED	21	SURFACE
U4	HALO SMD6R-6-9S-WH OR EQUAL	LED	9	SURFACE
U5	OXYGEN 3-6900-40 OR EQUAL	LED	7	PENDANT
X1	EMERGI-LITE ELXN400G-2LED OR EQUAL	INCLUDED	3	UNIVERSAL
X2	EMERGI-LITE ELXN400-GN OR EQUAL	INCLUDED	3	UNIVERSAL
X3	SAME AS TYPE X2 WITH DUAL FACE	INCLUDED	3	UNIVERSAL
X4	EMERGI-LITE EL-2LED OR EQUAL	INCLUDED	3	WALL
X5	EMERGI-LITE BW-SVX24N-1-G-4X-2-LJ OR EQUAL	INCLUDED	3	UNIVERSAL

PERMIT SET

CROSS ENGINEERS, INC
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Tacoma, WA 98405
Phone: (253) 759-0118
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info@crossengineers.com

PUYALLUP BELL PLACE
204 4TH ST SW
PUYALLUP, WA 98371

LIGHTING FIXTURE SCHEDULE

REVISIONS:

STEVEN L. HUBBS
STATE OF WASHINGTON
0029060
REGISTERED
PROFESSIONAL ENGINEER
5/18/26

SCALE: AS NOTED	
DATE: 3-18-2026	SHEET: E002
DRAWN BY: JAE	
CHECKED BY: SLH	
JOB NO.: 25-162	OF - -

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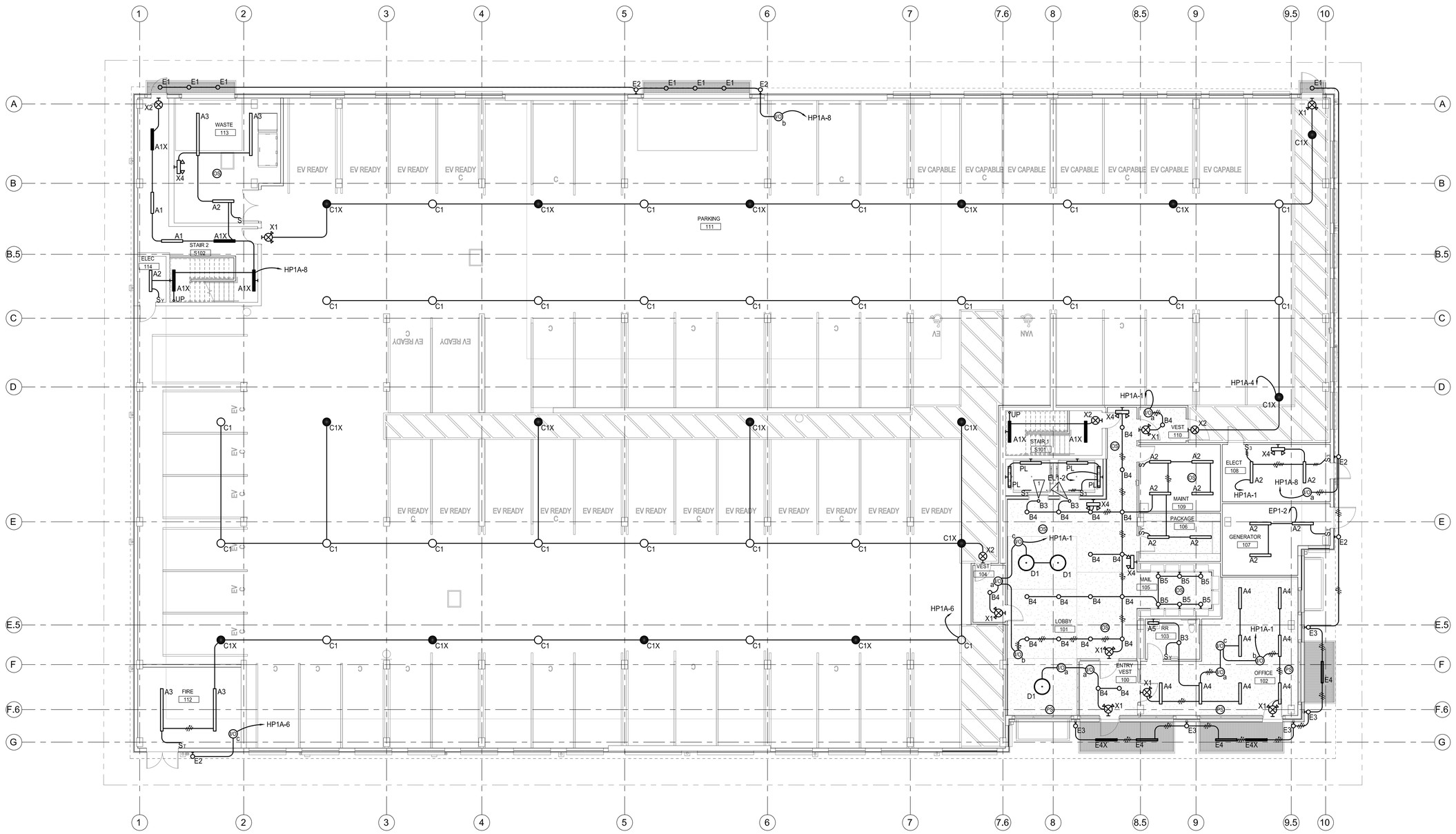
GENERAL NOTES:

1. CONTRACTOR SHALL PROVIDE 0-10V DIMMING WIRING BETWEEN ALL LOBBY FIXTURES (TYPE B4, B5 AND D1) AND WIRELESS CONTROL MODULE TO ALLOW DIMMING BASED ON LOBBY OCCUPANCY SENSORS.

ELECTRICAL NOTES:

7 LIGHT FIXTURE TO BE WIRED ON 24 HOURS AT FULL LUMEN OUTPUT.



LEVEL 1 LIGHTING PLAN

SCALE: 1/8"=1'-0"

N

PERMIT SET

CROSS ENGINEERS, INC
923 Martin Luther King Jr. Way
Tacoma, WA 98405
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Job Number: 25-162
info@crossengineers.com

PUYALLUP BELL PLACE
204 4TH ST SW
PUYALLUP, WA 98371

LEVEL 1 LIGHTING PLAN

REVISIONS:

STEVEN L. HUBBS — STATE OF WASHINGTON — 0029060 — REGISTERED PROFESSIONAL ENGINEER
5/18/26

SCALE:	AS NOTED
DATE:	3-18-2026
DRAWN BY:	JAE
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JOB NO.:	25-162
SHEET	E200
OF	- -

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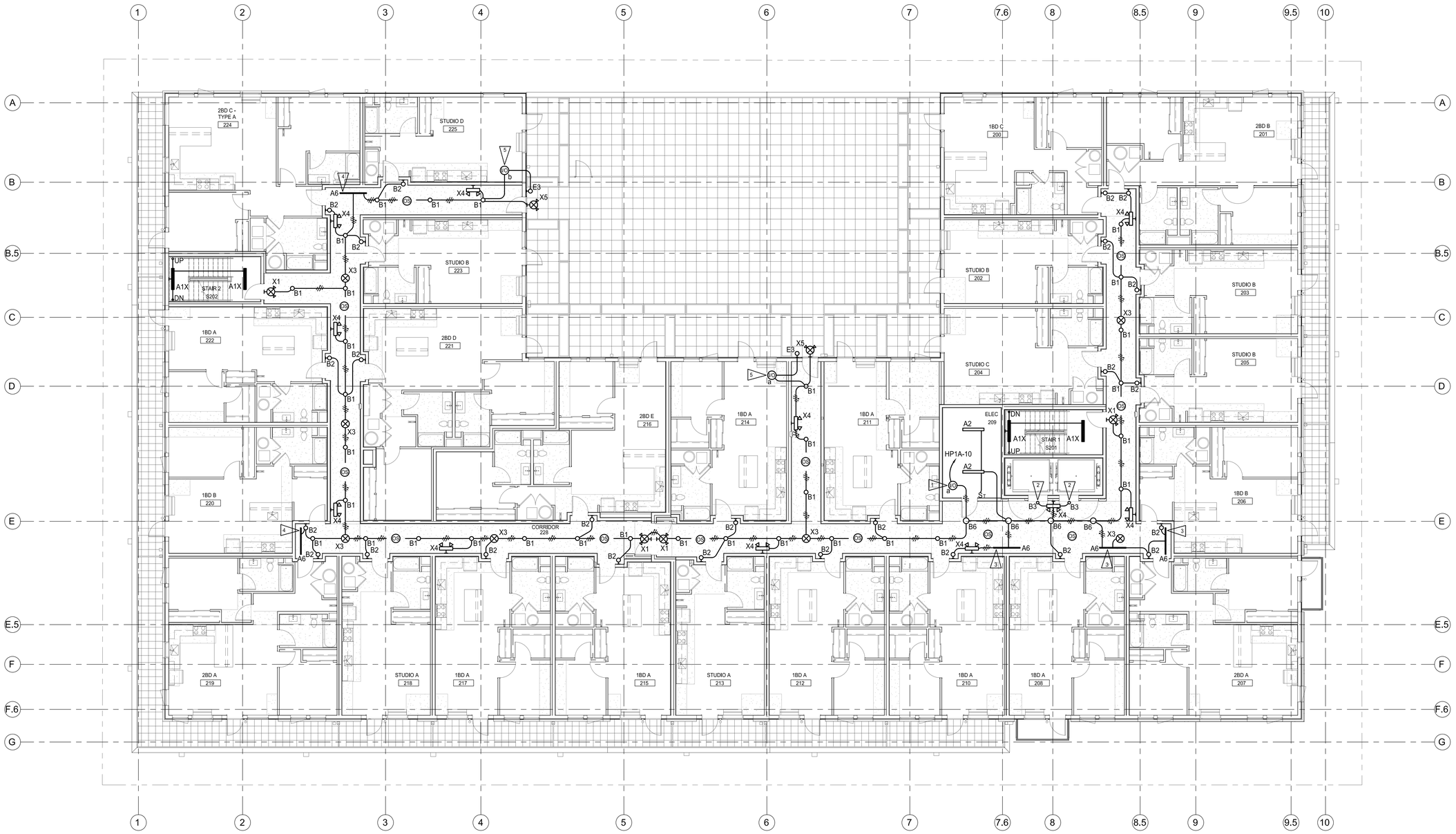
GENERAL NOTES:

1. CONTRACTOR SHALL PROVIDE 0-10V DIMMING WIRING BETWEEN ALL CORRIDOR FIXTURES (TYPE B1, B2 AND B6) AND WIRELESS CONTROL MODULE TO ALLOW DIMMING BASED ON CORRIDOR OCCUPANCY SENSORS.

ELECTRICAL NOTES:

1. LOCATE IN ELECTRICAL ROOM 209.
2. LIGHT FIXTURE SHALL BE WIRED FOR 24 HOURS ON AT FULL OUTPUT.
3. ART LIGHT FIXTURE TO BE WIRED ON 24 HOURS AT FULL OUTPUT. LOCATE REMOTE POWER SUPPLIES IN ELECTRICAL ROOM 209.
4. ART LIGHT FIXTURE TO BE WIRED ON 24 HOURS AT FULL OUTPUT. LOCATE REMOTE POWER SUPPLY ABOVE CEILING AND PROVIDE 8" X 8" ACCESS PANEL IN CEILING. COORDINATE ACCESS PANEL LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
5. LOCATE ABOVE CEILING IN CORRIDOR AND PROVIDE 8" X 8" ACCESS PANEL IN CEILING. COORDINATE ACCESS PANEL LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.



LEVEL 2 LIGHTING PLAN

SCALE: 1/8"=1'-0"

N

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CROSS ENGINEERS, INC
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Tacoma, WA 98405
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Job Number: 25-162
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PUYALLUP BELL PLACE
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PUYALLUP, WA 98371

LEVEL 2 LIGHTING PLAN

REVISIONS:

STEVEN L. HUBER — STATE OF WASHINGTON — 26009060 — REGISTERED PROFESSIONAL ENGINEER
5/18/26

SCALE:	AS NOTED
DATE:	3-18-2026
DRAWN BY:	IAE
CHECKED BY:	SLH
JOB NO.:	25-162
SHEET	E201
OF	- -

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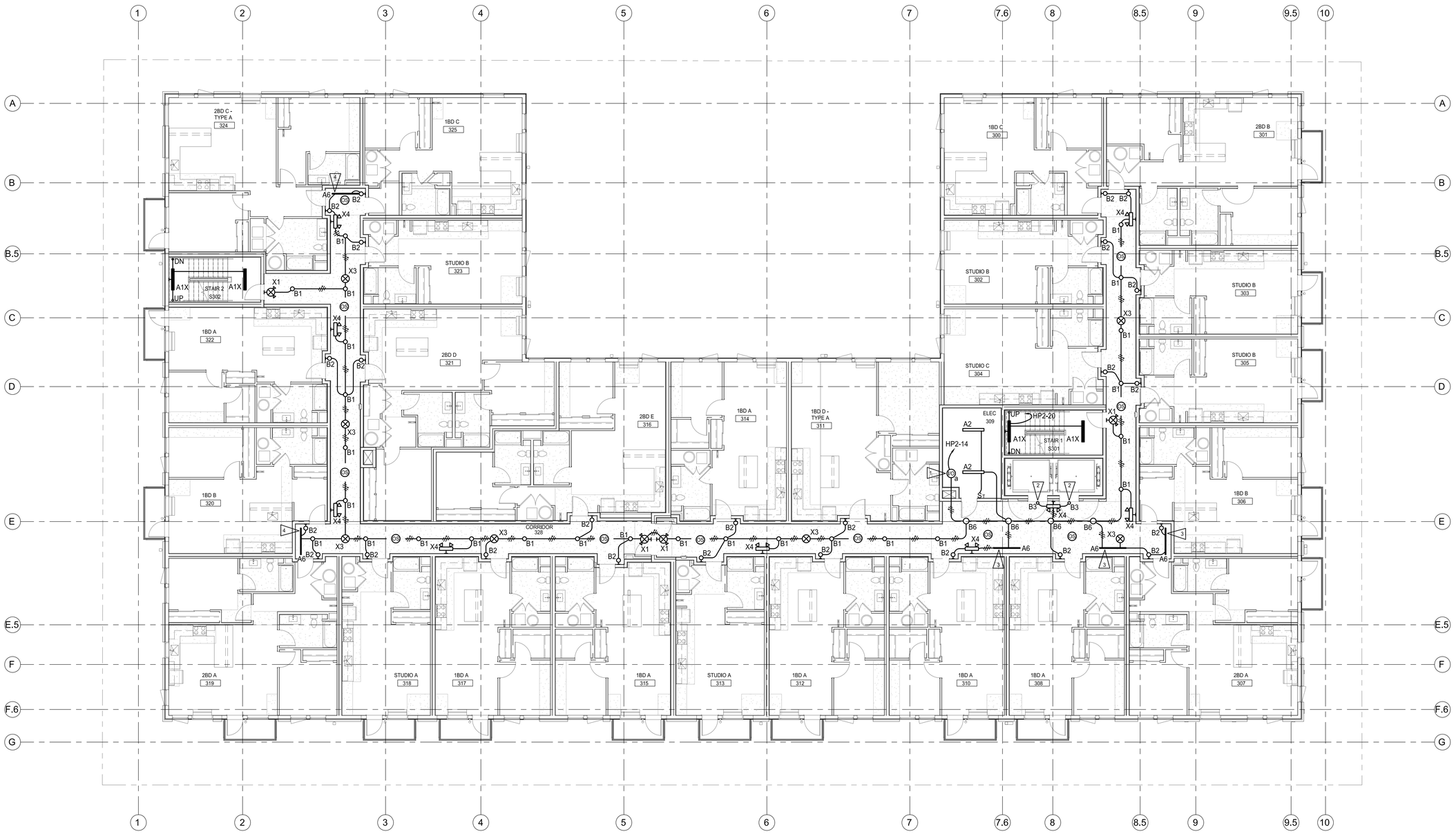
GENERAL NOTES:

1. CONTRACTOR SHALL PROVIDE 0-10V DIMMING WIRING BETWEEN ALL CORRIDOR FIXTURES (TYPE B1, B2 AND B6) AND WIRELESS CONTROL MODULE TO ALLOW DIMMING BASED ON CORRIDOR OCCUPANCY SENSORS.

ELECTRICAL NOTES:

1. LOCATE IN ELECTRICAL ROOM 309.
2. LIGHT FIXTURE SHALL BE WIRED FOR 24 HOURS ON AT FULL OUTPUT.
3. ART LIGHT FIXTURE TO BE WIRED ON 24 HOURS AT FULL OUTPUT. LOCATE REMOTE POWER SUPPLIES IN ELECTRICAL ROOM 309.
4. ART LIGHT FIXTURE TO BE WIRED ON 24 HOURS AT FULL OUTPUT. LOCATE REMOTE POWER SUPPLY ABOVE CEILING AND PROVIDE 8" X 8" ACCESS PANEL IN CEILING. COORDINATE ACCESS PANEL LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.



LEVEL 3 LIGHTING PLAN

SCALE: 1/8"=1'-0"

N

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PUYALLUP BELL PLACE
204 44TH ST SW
PUYALLUP, WA 98371

LEVEL 3 LIGHTING PLAN

REVISIONS:

STEVEN L. HUBER — STATE OF WASHINGTON — 26009060 — REGISTERED PROFESSIONAL ENGINEER
5/18/26

SCALE:	AS NOTED
DATE:	3-18-2026
DRAWN BY:	IAE
CHECKED BY:	SLH
JOB NO.:	25-162
SHEET	E202
OF	- -

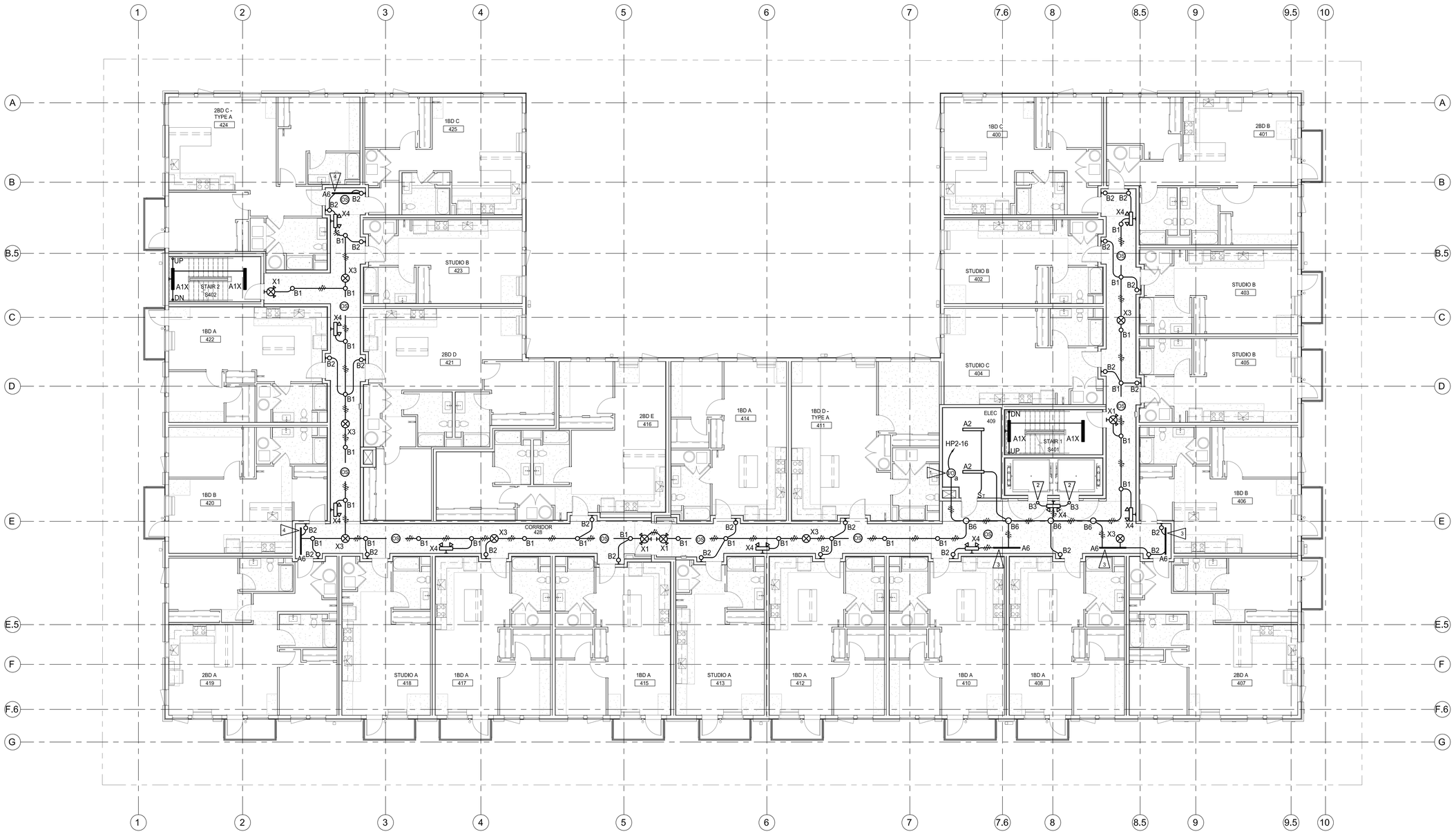
Plotted: Mar 18, 2026 - 2:18pm File: C:\Users\SCOTTK~1.CRO\AppData\Local\Temp\AcPublish_22428\25-162 E202.dwg By: SCOTTK

GENERAL NOTES:

1. CONTRACTOR SHALL PROVIDE 0-10V DIMMING WIRING BETWEEN ALL CORRIDOR FIXTURES (TYPE B1, B2 AND B6) AND WIRELESS CONTROL MODULE TO ALLOW DIMMING BASED ON CORRIDOR OCCUPANCY SENSORS.

ELECTRICAL NOTES:

1. LOCATE IN ELECTRICAL ROOM 409.
2. LIGHT FIXTURE SHALL BE WIRED FOR 24 HOURS ON AT FULL OUTPUT.
3. ART LIGHT FIXTURE TO BE WIRED ON 24 HOURS AT FULL OUTPUT. LOCATE REMOTE POWER SUPPLIES IN ELECTRICAL ROOM 409.
4. ART LIGHT FIXTURE TO BE WIRED ON 24 HOURS AT FULL OUTPUT. LOCATE REMOTE POWER SUPPLY ABOVE CEILING AND PROVIDE 8" X 8" ACCESS PANEL IN CEILING. COORDINATE ACCESS PANEL LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.



LEVEL 4 LIGHTING PLAN

SCALE: 1/8"=1'-0"

N

PERMIT SET

CROSS ENGINEERS, INC
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Tacoma, WA 98405
Phone: (253) 759-0118
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info@crossengineers.com

PUYALLUP BELL PLACE
204 44TH ST SW
PUYALLUP, WA 98371

LEVEL 4 LIGHTING PLAN

REVISIONS:

STEVEN L. HUBBS — STATE OF WASHINGTON — 20030060 — REGISTERED PROFESSIONAL ENGINEER
5/18/26

SCALE: AS NOTED	
DATE: 3-18-2026	SHEET
DRAWN BY: IAE	E203
CHECKED BY: SLH	
JOB NO.: 25-162	OF - -

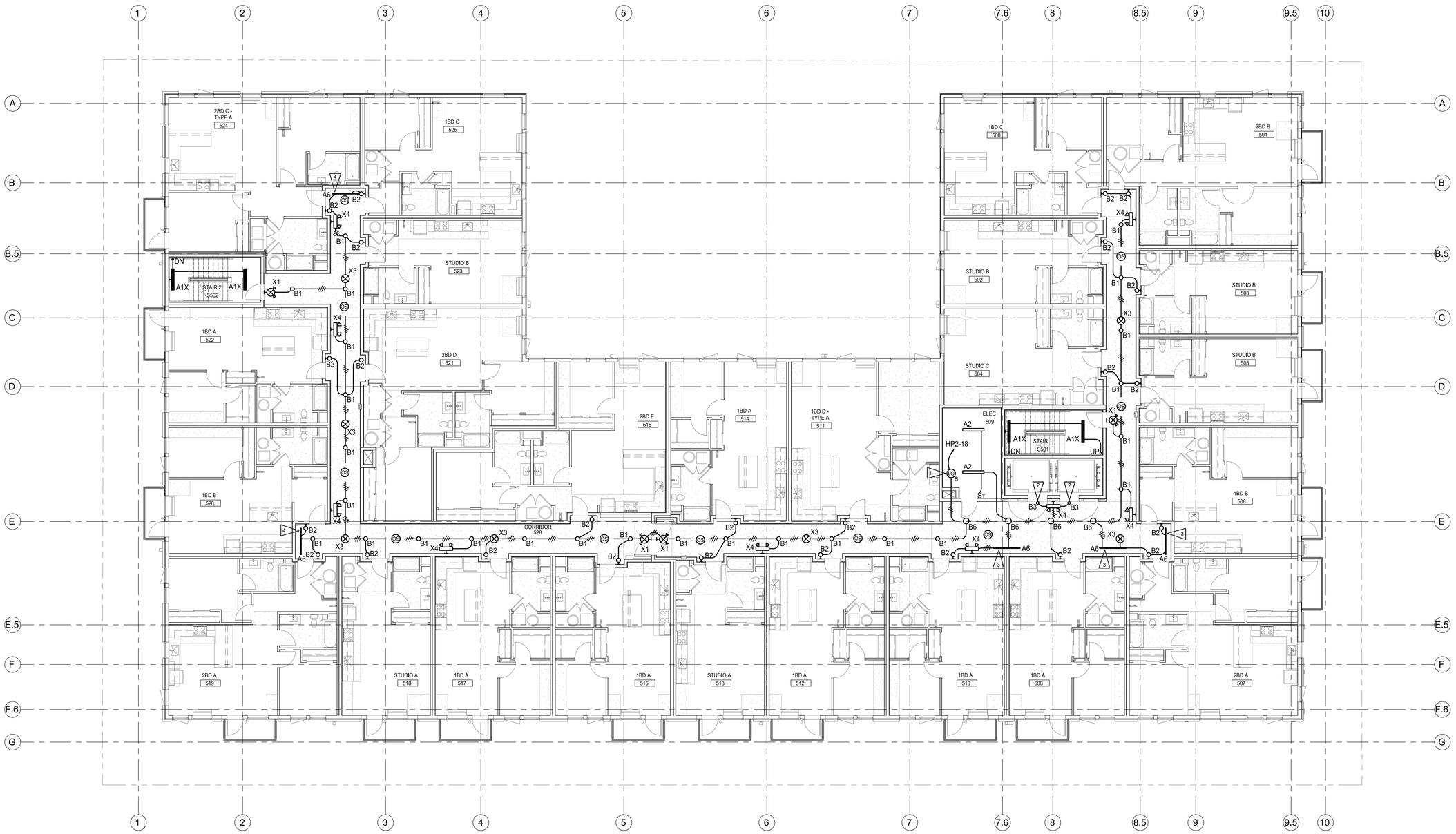
Plotted: Mar 18, 2026 - 2:18pm File: C:\Users\SCOTTK~1.CRO\AppData\Local\Temp\AcPublish_22428\25-162 E203.dwg By: SCOTTK

GENERAL NOTES:

1. CONTRACTOR SHALL PROVIDE 0-10V DIMMING WIRING BETWEEN ALL CORRIDOR FIXTURES (TYPE B1, B2 AND B6) AND WIRELESS CONTROL MODULE TO ALLOW DIMMING BASED ON CORRIDOR OCCUPANCY SENSORS.

ELECTRICAL NOTES:

1. LOCATE IN ELECTRICAL ROOM 409.
2. LIGHT FIXTURE SHALL BE WIRED FOR 24 HOURS ON AT FULL OUTPUT.
3. ART LIGHT FIXTURE TO BE WIRED ON 24 HOURS AT FULL OUTPUT. LOCATE REMOTE POWER SUPPLIES IN ELECTRICAL ROOM 509.
4. ART LIGHT FIXTURE TO BE WIRED ON 24 HOURS AT FULL OUTPUT. LOCATE REMOTE POWER SUPPLY ABOVE CEILING AND PROVIDE 8" X 8" ACCESS PANEL IN CEILING. COORDINATE ACCESS PANEL LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.



LEVEL 5 LIGHTING PLAN

SCALE: 1/8"=1'-0"

N

PERMIT SET

CROSS ENGINEERS, INC
923 Martin Luther King Jr. Way
Tacoma, WA 98405
Phone: (253) 759-0118
Job Number: 25-162
info@crossengineers.com

PUYALLUP BELL PLACE
204 4TH ST SW
PUYALLUP, WA 98371

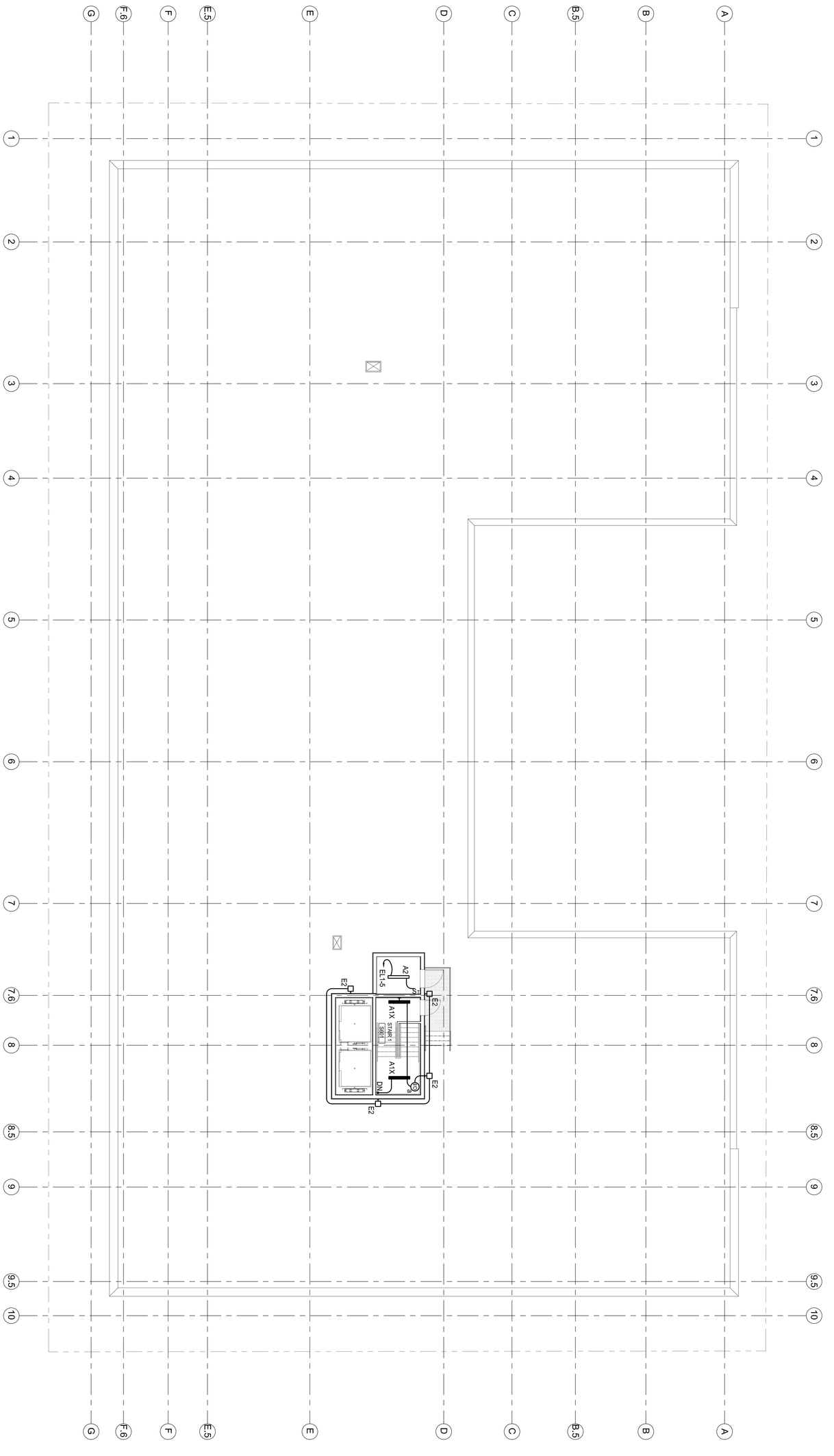
LEVEL 5 LIGHTING PLAN

REVISIONS:

STEVEN L. HUBBS — STATE OF WASHINGTON — 20030060 — REGISTERED PROFESSIONAL ENGINEER
5/18/26

SCALE:	AS NOTED
DATE:	3-18-2026
DRAWN BY:	IAE
CHECKED BY:	SLH
JOB NO.:	25-162
SHEET	E204
OF	- -

Plotted: Mar 18, 2026 - 2:18pm File: C:\Users\SCOTTK~1.CRO\AppData\Local\Temp\AcPublish_22428\25-162 E204.dwg By: SCOTTK



ROOF LIGHTING PLAN

SCALE: 1/8"=1'-0"

N

PERMIT SET

SCALE:	AS NOTED
DATE:	3-18-2026
DRAWN BY:	JAE
CHECKED BY:	SLH
JOB NO.:	25-162
SHEET	E205
	- OF -

STEVEN L. HARRIS — 19965 — REGISTERED PROFESSIONAL ENGINEER — STATE OF WASHINGTON — 3/18/26

REVISIONS:

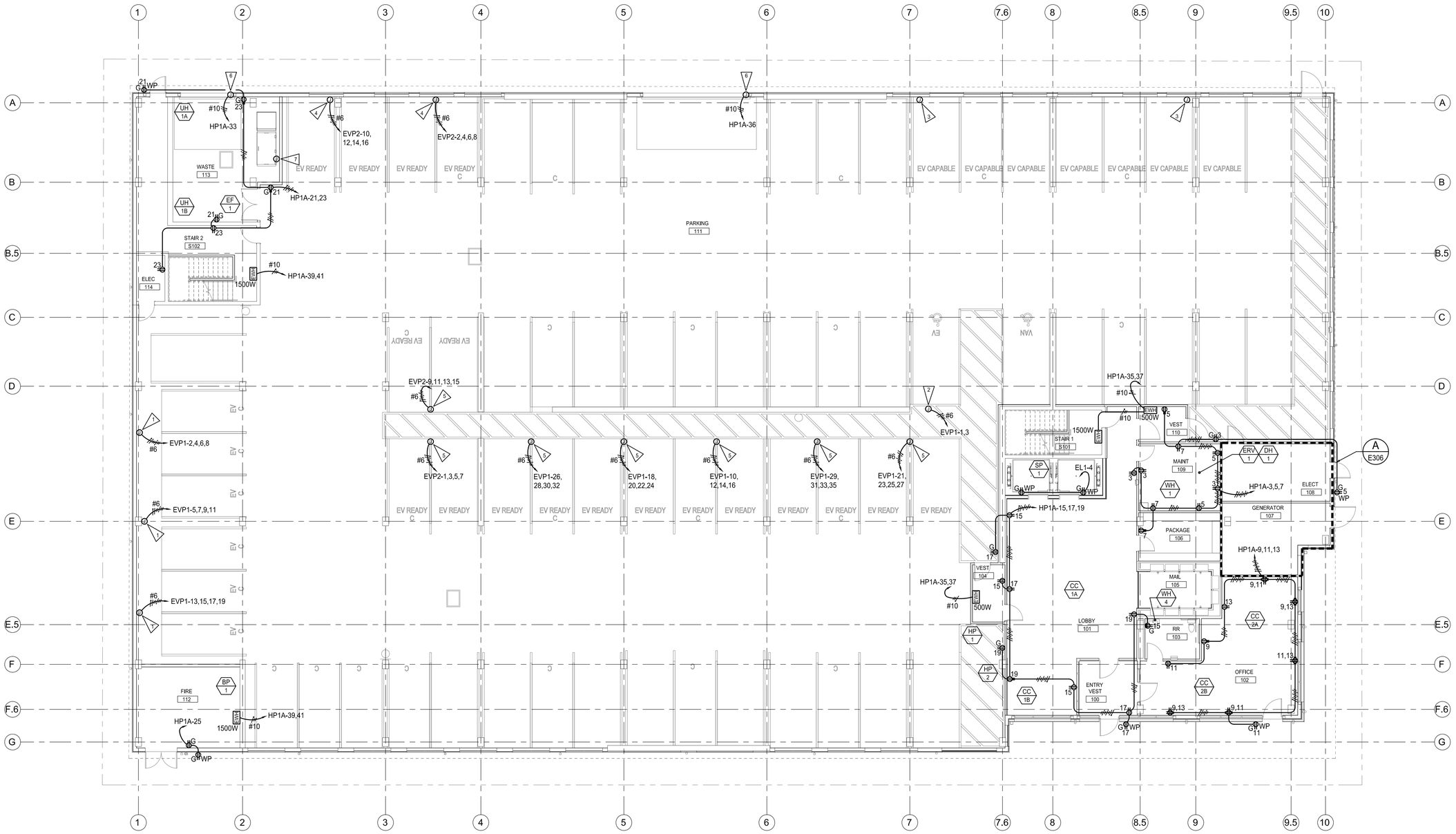
PUYALLUP BELL PLACE
204 4TH ST SW
PUYALLUP, WA 98371

ROOF LIGHTING PLAN

CROSS ENGINEERS, INC
923 Martin Luther King Jr. Way
Tacoma, WA 98405
info@crossengineers.com
Phone: (253) 759-0118
Job Number: 25-162

ELECTRICAL NOTES:

7. PROVIDE DUAL HEAD, 48 AMP, LEVEL 2, WALL MOUNTED, ELECTRIC VEHICLE CHARGING STATION. PROVIDE #8 CU GROUND WITH #6 CU PHASE CONDUCTORS.
2. PROVIDE SINGLE HEAD, 48 AMP, LEVEL 2, PEDESTAL MOUNTED, ELECTRIC VEHICLE CHARGING STATION. PROVIDE #8 CU GROUND WITH #6 CU PHASE CONDUCTORS.
3. PROVIDE 12"x12"x8", NEMA 3R, JUNCTION BOX MOUNTED ON WALL FOR EXTENSION OF FUTURE EV CHARGING STATION CIRCUITS. PROVIDE TWO(2) 2" CONDUITS ONLY (WITH PULLSTRINGS) FROM JUNCTION BOX TO PANEL EVP2.
4. PROVIDE 12"x12"x12", NEMA 3R, JUNCTION BOX WITH TWO(2), 50A RECEPTACLES, WALL MOUNTED. PROVIDE #8 CU GROUND WITH #6 CU PHASE CONDUCTORS.
5. PROVIDE 12"x12"x12", NEMA 3R, JUNCTION BOX WITH TWO(2), 50A RECEPTACLES, MOUNTED AT STRUCTURE. PROVIDE #8 CU GROUND WITH #6 CU PHASE CONDUCTORS.
6. ROLL-UP DOOR CONNECTION.
7. COMPACTER CONNECTION. PROVIDE 1"C-(3)#6 CU & (1)#10 CU GRD TO PANEL HP1A, CIRCUIT #38,40,42.



LEVEL 1 POWER PLAN

SCALE: 1/8"=1'-0"

N

PERMIT SET

CROSS ENGINEERS, INC
923 Martin Luther King Jr. Way
Tacoma, WA 98405
Phone: (253) 759-0118
Job Number: 25-162
info@crossengineers.com

PUYALLUP BELL PLACE
204 4TH ST SW
PUYALLUP, WA 98371

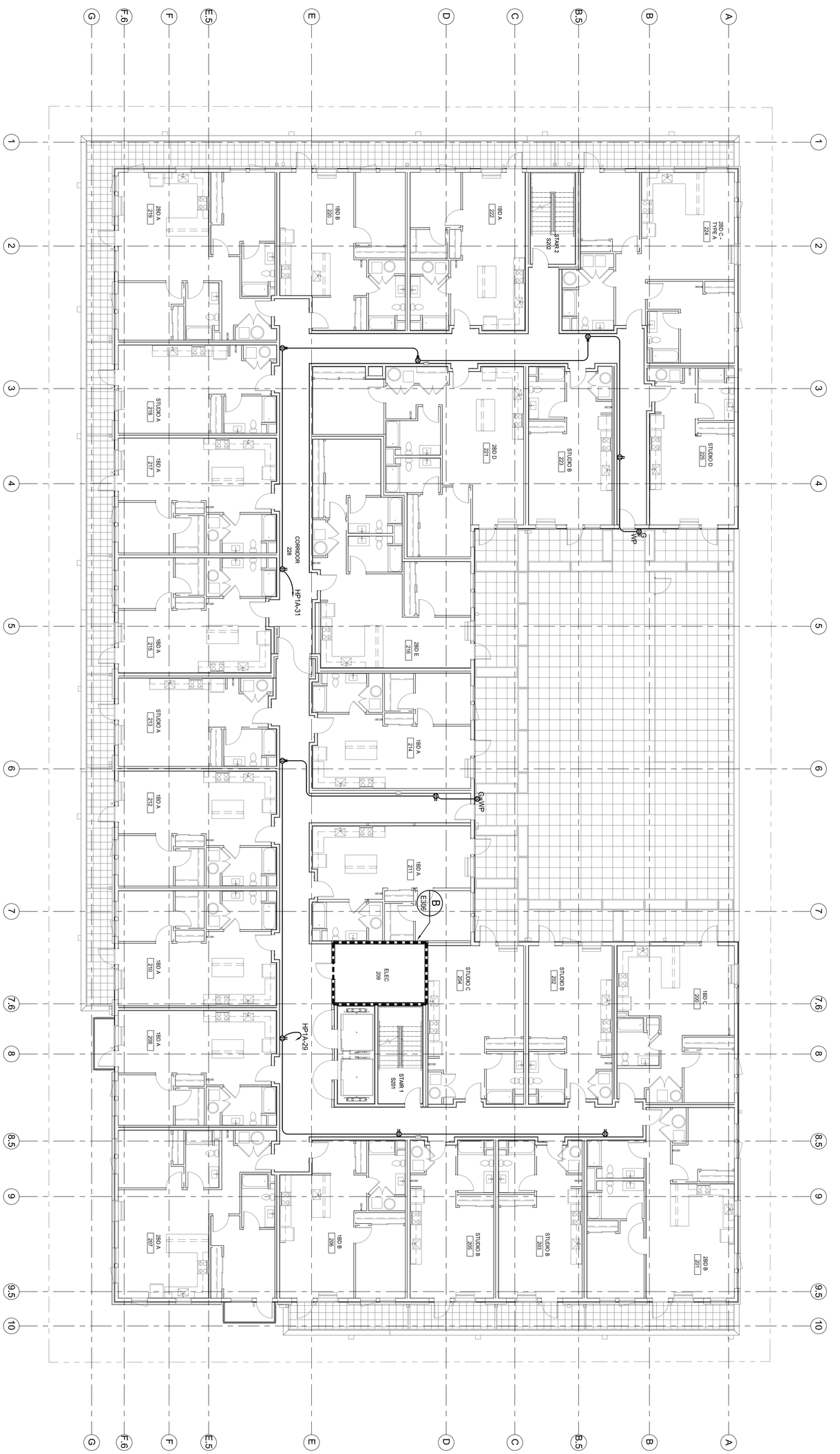
LEVEL 1 POWER PLAN

REVISIONS:

STEVEN L. HUBBS — STATE OF WASHINGTON — 0029060 — REGISTERED PROFESSIONAL ENGINEER
5/18/26

SCALE:	AS NOTED
DATE:	3-18-2026
DRAWN BY:	JAE
CHECKED BY:	SLH
JOB NO.:	25-162
SHEET	E300
OF	- -

Plotted: Mar 18, 2026 - 2:18pm File: C:\Users\SCOTTK~1.CRO\AppData\Local\Temp\AcPublish_22428\25-162 E300.dwg By: SCOTTK



LEVEL 2 POWER PLAN

SCALE: 1/8"=1'-0"

N

PERMIT SET

SCALE:	AS NOTED
DATE:	3-18-2026
DRAWN BY:	JAE
CHECKED BY:	SLH
JOB NO.:	25-162
SHEET	E301
OF	-

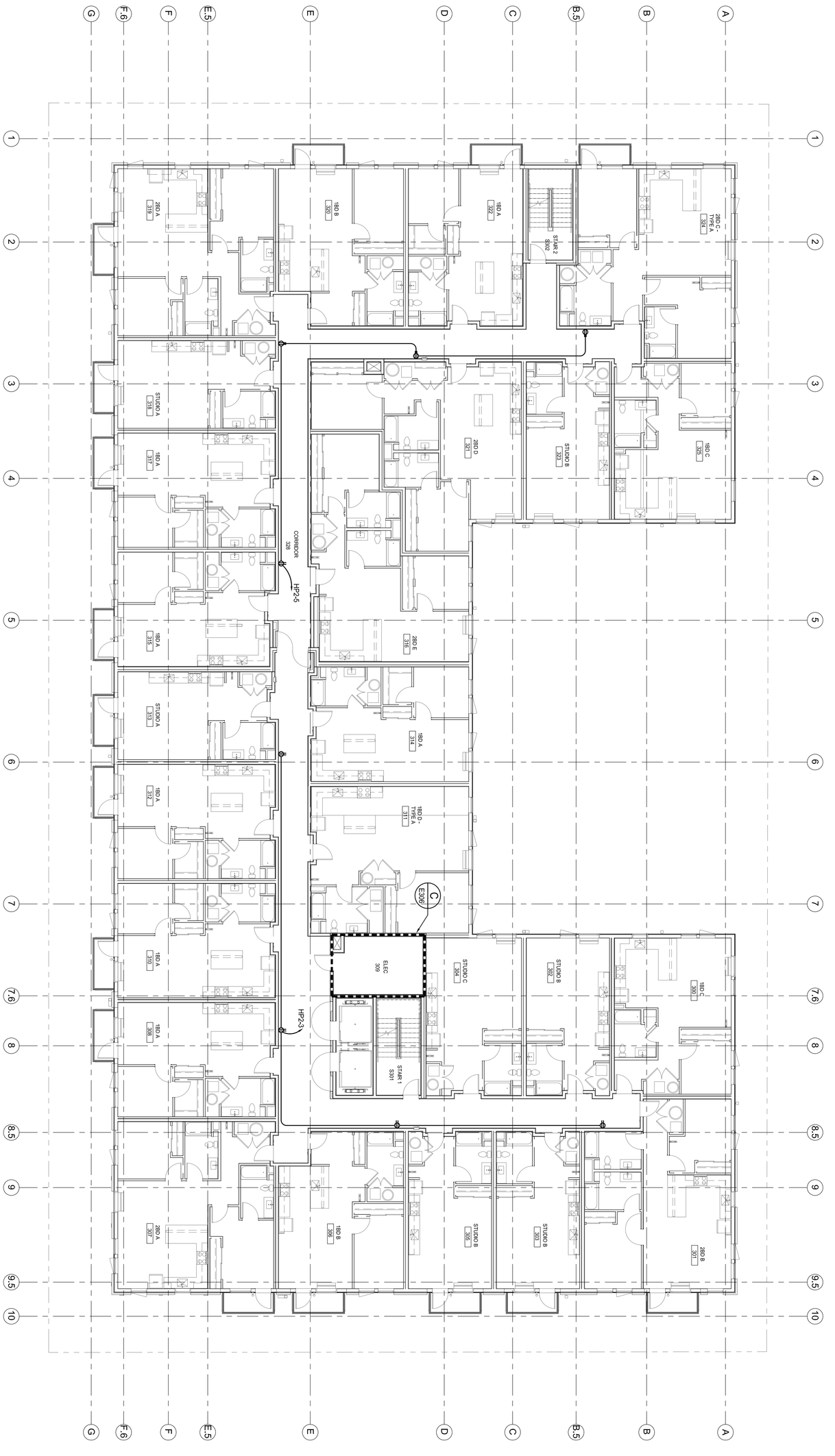
STEVEN L. HUBBS — STATE OF WASHINGTON — 21004 — REGISTERED PROFESSIONAL ENGINEER — 3/18/26

REVISIONS:

PUYALLUP BELL PLACE
204 4TH ST SW
PUYALLUP, WA 98371

LEVEL 2 POWER PLAN

CROSS ENGINEERS, INC
923 Martin Luther King Jr. Way
Tacoma, WA 98405
info@crossengineers.com
Phone: (253) 759-0118
Job Number: 25-162



LEVEL 3 POWER PLAN

SCALE: 1/8"=1'-0"

N

PERMIT SET

SCALE:	AS NOTED
DATE:	3-18-2026
DRAWN BY:	JAE
CHECKED BY:	SLH
JOB NO.:	25-162
SHEET	E302
OF	-

3/18/26

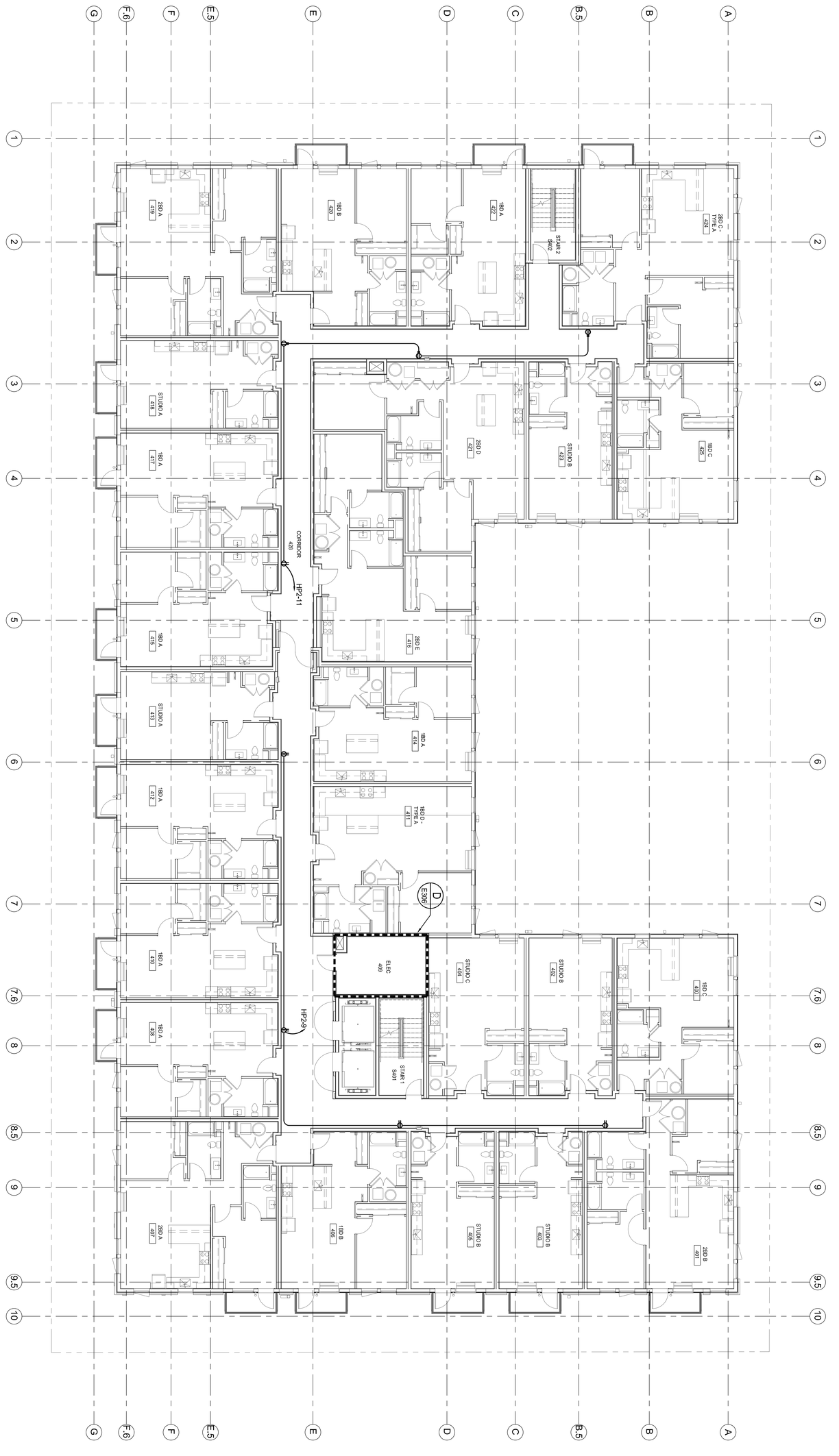
REVISIONS:

PUYALLUP BELL PLACE
204 4TH ST SW
PUYALLUP, WA 98371

LEVEL 3 POWER PLAN

CROSS ENGINEERS, INC
923 Martin Luther King Jr. Way
Tacoma, WA 98405
info@crossengineers.com
Phone: (253) 759-0118
Job Number: 25-162

Plotted: Mar 18, 2026 – 2:18pm File: C:\Users\SCOTTK~1.CRO\AppData\Local\Temp\AcPublish_22428\25-162 E303.dwg By: SCOTTK



LEVEL 4 POWER PLAN

SCALE: 1/8"=1'-0"

N

PERMIT SET

SCALE:	AS NOTED
DATE:	3-18-2026
DRAWN BY:	JAE
CHECKED BY:	SLH
JOB NO.:	25-162
SHEET	E303
OF	-

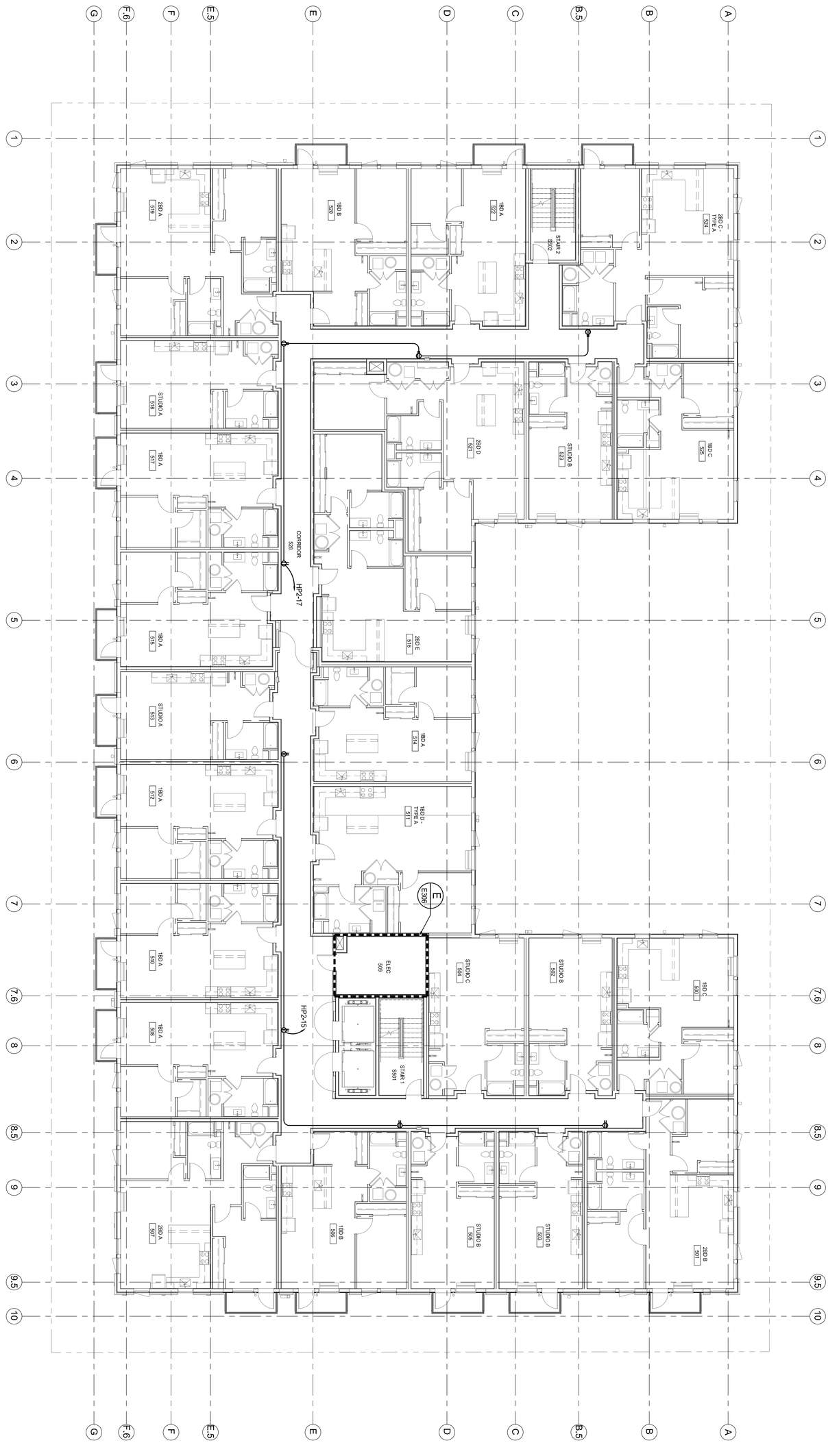
STEVEN L. HIBBARD — 19010 — REGISTERED PROFESSIONAL ENGINEER — 3/18/26

REVISIONS:

PUYALLUP BELL PLACE
204 4TH ST SW
PUYALLUP, WA 98371

LEVEL 4 POWER PLAN

CROSS ENGINEERS, INC
923 Martin Luther King Jr. Way
Tacoma, WA 98405
info@crossengineers.com
Phone: (253) 759-0118
Job Number: 25-162



LEVEL 5 POWER PLAN

SCALE: 1/8"=1'-0"

PERMIT SET

SCALE:	AS NOTED
DATE:	3-18-2026
DRAWN BY:	JAE
CHECKED BY:	SLH
JOB NO.:	25-162
SHEET	E304
	- OF -

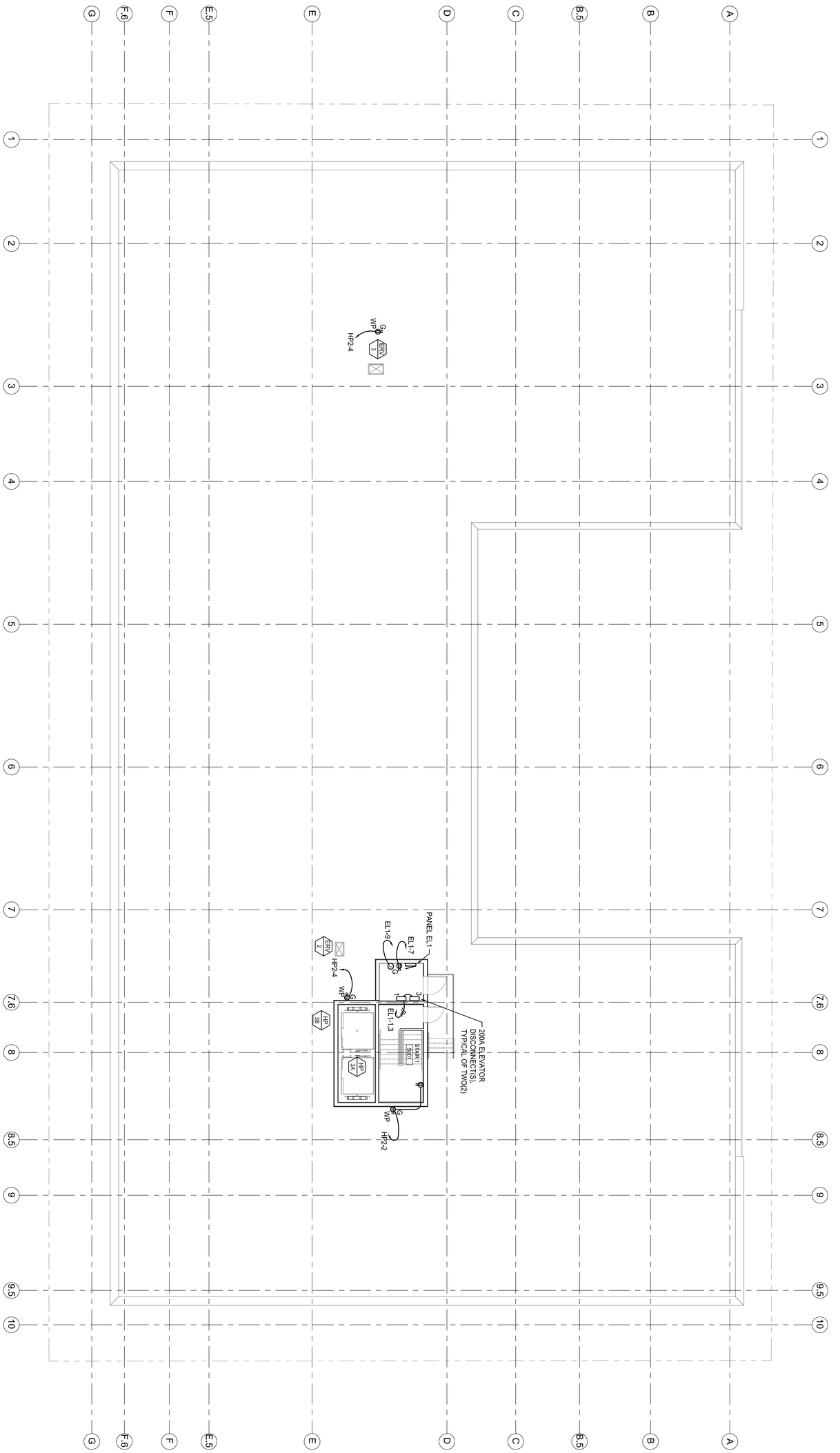
3/18/26

REVISIONS:

PUYALLUP BELL PLACE
204 4TH ST SW
PUYALLUP, WA 98371

LEVEL 5 POWER PLAN

CROSS ENGINEERS, INC
923 Martin Luther King Jr. Way
Tacoma, WA 98405
info@crossengineers.com
Phone: (253) 759-0118
Job Number: 25-162



ROOF POWER PLAN

SCALE: 1/8"=1'-0"

N

PERMIT SET

SCALE:	AS NOTED
DATE:	3-18-2026
DRAWN BY:	JAE
CHECKED BY:	SLH
JOB NO.:	25-162
SHEET	E305
OF	-

STATE OF WASHINGTON STEVEN L. HIBBS REGISTERED PROFESSIONAL ENGINEER 3/18/26

REVISIONS:

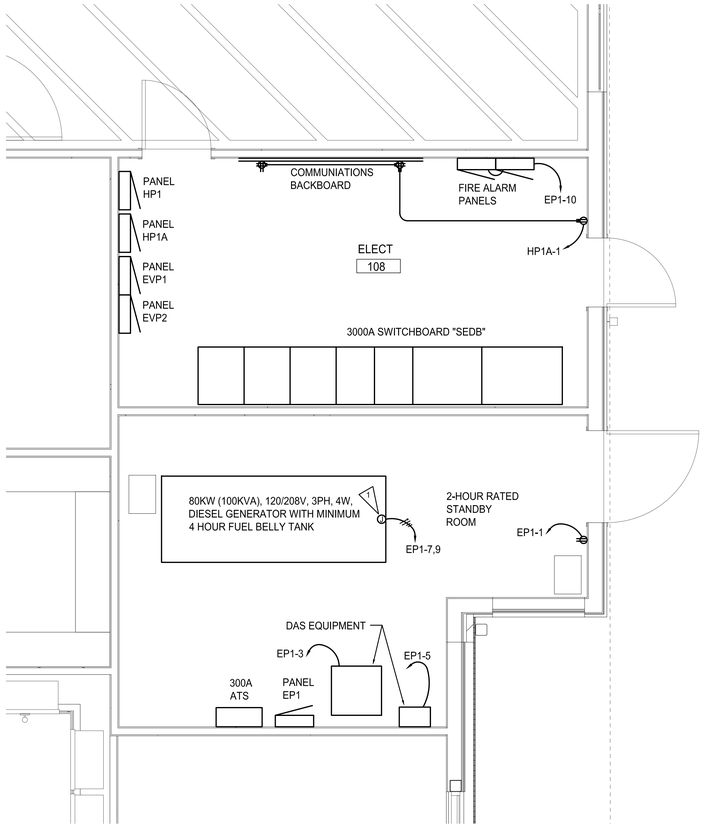
PUYALLUP BELL PLACE
204 4TH ST SW
PUYALLUP, WA 98371

ROOF POWER PLAN

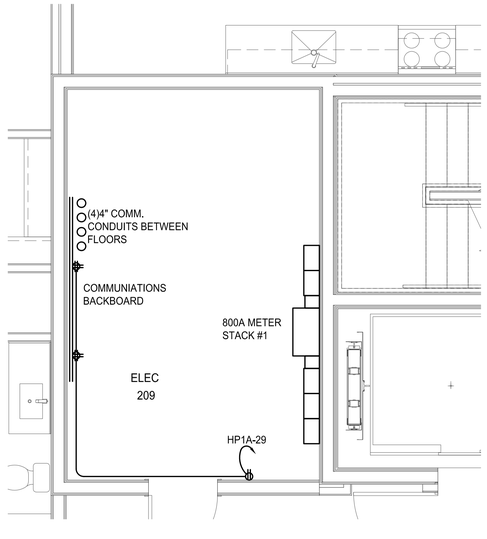
CROSS ENGINEERS, INC
923 Martin Luther King Jr. Way
Tacoma, WA 98405
info@crossengineers.com
Phone: (253) 759-0118
Job Number: 25-162

ELECTRICAL NOTES:

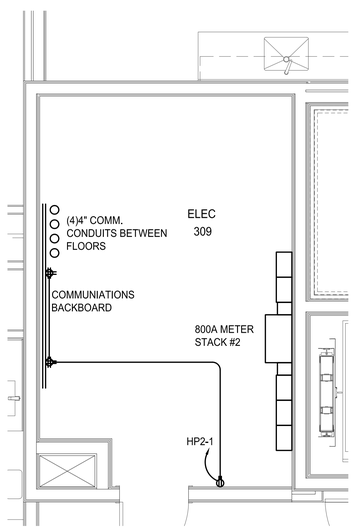
1 GENERATOR BATTERY CHARGER AND BLOCK HEATER CONNECTION.



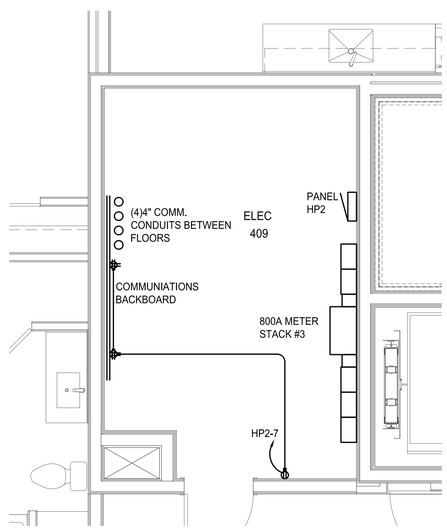
A E306 **MAIN ELECTRICAL ROOM LAYOUT - LEVEL 1**
SCALE: 3/8"=1'-0"



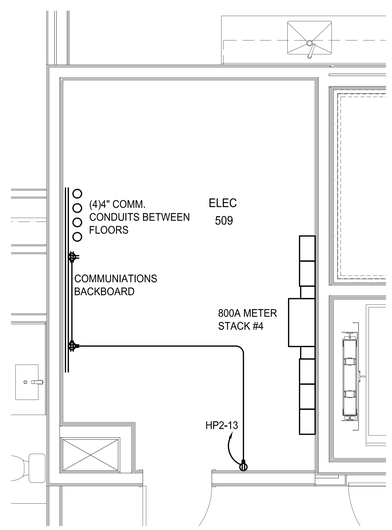
B E306 **ELECTRICAL ROOM LAYOUT - LEVEL 2**
SCALE: 3/8"=1'-0"



C E306 **ELECTRICAL ROOM LAYOUT - LEVEL 3**
SCALE: 3/8"=1'-0"



D E306 **ELECTRICAL ROOM LAYOUT - LEVEL 4**
SCALE: 3/8"=1'-0"



E E306 **ELECTRICAL ROOM LAYOUT - LEVEL 5**
SCALE: 3/8"=1'-0"

PERMIT SET

CROSS ENGINEERS, INC
923 Martin Luther King Jr. Way
Tacoma, WA 98405
Phone: (253) 759-0118
Job Number: 25-162
info@crossengineers.com

PUYALLUP BELL PLACE
204 4TH ST SW
PUYALLUP, WA 98371

PARTIAL ELECTRICAL FLOOR PLANS

REVISIONS:

STEVEN L. HUBBS — STATE OF WASHINGTON — 0029060 — REGISTERED PROFESSIONAL ENGINEER
5/18/26

SCALE:	AS NOTED
DATE:	3-18-2026
DRAWN BY:	JAE
CHECKED BY:	SLH
JOB NO.:	25-162
SHEET	E306
OF	- -

Plotted: Mar 18, 2026 - 3:49pm File: N:\Jobs\2025\25-162\Dwgs\25-162 E306.dwg By: SCOTTK

ELECTRICAL NOTES:

7 PTHP CONNECTION.

2 DISHWASHER CONNECTION BELOW SINK.

TYPICAL OF (8) UNITS

FLUSH MOUNTING
22,000 AIC

PANEL SCHEDULE

NO. **UP** LOCATION: UNIT STUDIO A
SERVING: UNIT STUDIO A

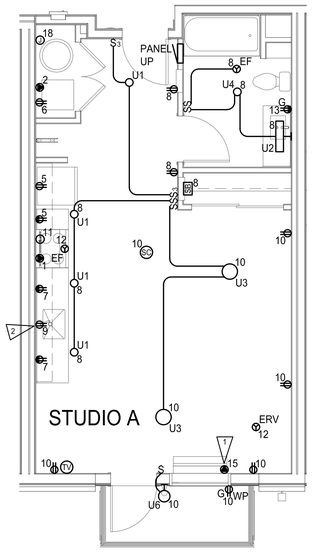
120/208 VOLTS 1PHASE 3WIRE
125 AMPS WITH MAIN LUGS

	CKT NO.	LOAD DESCRIPTION	KVA	TRIP AMPS		TRIP AMPS	KVA	LOAD DESCRIPTION	CKT NO.	
***	1	RANGE	8.00	50		30	5.00	DRYER	2	***
	3			2		2			4	
*	5	KITCHEN RECEPTACLES	1.50	20		20	1.50	WASHER	6	*
*	7	KITCHEN RECEPTACLES	1.50			15	1.20	LIGHTS/RECEPTS.	8	**
*	9	DISHWASHER	1.20			15	1.20	LIGHTS/RECEPTS.	10	**
*	11	HOOD/MICROWAVE	1.20			20	.25	ERV AND EF	12	**
	13	BATH RECEPTACLES	.18	20				SPACE	14	
	15	PTHP-1	4.06	20				SPACE	16	
	17			2		30	4.50	WATER HEATER	18	
	19	SPACE				2			20	
	21	SPACE				-	-	TVSS	22	
	23	SPACE				2			24	

REMARKS: .

CONNECTED LOAD: 30.2 KVA 145 AMPS
DEMAND LOAD: 20.5 KVA 99 AMPS

* PROVIDE DUAL FUNCTION GFI/ARC FAULT CIRCUIT BREAKER.
** PROVIDE ARC FAULT CIRCUIT BREAKER.
*** PROVIDE GFI CIRCUIT BREAKER.



STUDIO A ELECTRICAL PLAN
SCALE: 1/4"=1'-0"
NOTE: TYPICAL OF (8) UNITS.

TYPICAL OF (16) UNITS

FLUSH MOUNTING
22,000 AIC

PANEL SCHEDULE

NO. **UP** LOCATION: UNIT STUDIO B
SERVING: UNIT STUDIO B

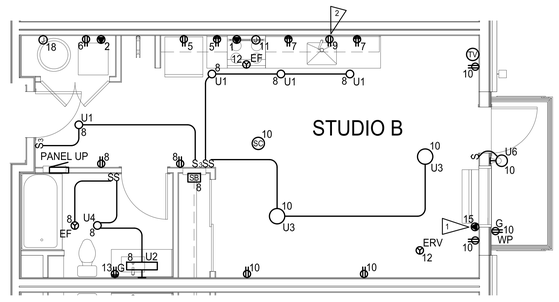
120/208 VOLTS 1PHASE 3WIRE
125 AMPS WITH MAIN LUGS

	CKT NO.	LOAD DESCRIPTION	KVA	TRIP AMPS		TRIP AMPS	KVA	LOAD DESCRIPTION	CKT NO.	
***	1	RANGE	8.00	50		30	5.00	DRYER	2	***
	3			2		2			4	
*	5	KITCHEN RECEPTACLES	1.50	20		20	1.50	WASHER	6	*
*	7	KITCHEN RECEPTACLES	1.50			15	1.20	LIGHTS/RECEPTS.	8	**
*	9	DISHWASHER	1.20			15	1.20	LIGHTS/RECEPTS.	10	**
*	11	HOOD/MICROWAVE	1.20			20	.25	ERV AND EF	12	**
	13	BATH RECEPTACLES	.18	20				SPACE	14	
	15	PTHP-1	4.06	20				SPACE	16	
	17			2		30	4.50	WATER HEATER	18	
	19	SPACE				2			20	
	21	SPACE				-	-	TVSS	22	
	23	SPACE				2			24	

REMARKS: .

CONNECTED LOAD: 30.2 KVA 145 AMPS
DEMAND LOAD: 20.5 KVA 99 AMPS

* PROVIDE DUAL FUNCTION GFI/ARC FAULT CIRCUIT BREAKER.
** PROVIDE ARC FAULT CIRCUIT BREAKER.
*** PROVIDE GFI CIRCUIT BREAKER.



STUDIO B ELECTRICAL PLAN
SCALE: 1/4"=1'-0"
NOTE: TYPICAL OF (16) UNITS.

TYPICAL OF (4) UNITS

FLUSH MOUNTING
22,000 AIC

PANEL SCHEDULE

NO. **UP** LOCATION: UNIT STUDIO C
SERVING: UNIT STUDIO C

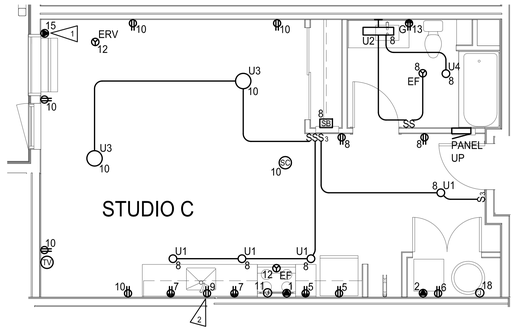
120/208 VOLTS 1PHASE 3WIRE
125 AMPS WITH MAIN LUGS

	CKT NO.	LOAD DESCRIPTION	KVA	TRIP AMPS		TRIP AMPS	KVA	LOAD DESCRIPTION	CKT NO.	
***	1	RANGE	8.00	50		30	5.00	DRYER	2	***
	3			2		2			4	
*	5	KITCHEN RECEPTACLES	1.50	20		20	1.50	WASHER	6	*
*	7	KITCHEN RECEPTACLES	1.50			15	1.20	LIGHTS/RECEPTS.	8	**
*	9	DISHWASHER	1.20			15	1.20	LIGHTS/RECEPTS.	10	**
*	11	HOOD/MICROWAVE	1.20			20	.25	ERV AND EF	12	**
	13	BATH RECEPTACLES	.18	20				SPACE	14	
	15	PTHP-1	4.06	20				SPACE	16	
	17			2		30	4.50	WATER HEATER	18	
	19	SPACE				2			20	
	21	SPACE				-	-	TVSS	22	
	23	SPACE				2			24	

REMARKS: .

CONNECTED LOAD: 30.2 KVA 145 AMPS
DEMAND LOAD: 20.5 KVA 99 AMPS

* PROVIDE DUAL FUNCTION GFI/ARC FAULT CIRCUIT BREAKER.
** PROVIDE ARC FAULT CIRCUIT BREAKER.
*** PROVIDE GFI CIRCUIT BREAKER.



STUDIO C ELECTRICAL PLAN
SCALE: 1/4"=1'-0"
NOTE: TYPICAL OF (4) UNITS.

PERMIT SET

CROSS ENGINEERS, INC
923 Martin Luther King Jr. Way
Tacoma, WA 98405
Phone: (253) 759-0118
Job Number: 25-162
info@crossengineers.com

PUYALLUP BELL PLACE
204 4TH ST SW
PUYALLUP, WA 98371

UNIT ELECTRICAL PLANS

REVISIONS:

STEVEN L. HUBBS — STATE OF WASHINGTON — 0029060 — REGISTERED PROFESSIONAL ENGINEER
5/18/26

SCALE: AS NOTED
DATE: 3-18-2026
DRAWN BY: JAE
CHECKED BY: SLH
JOB NO.: 25-162
SHEET: **E400**
OF: - -

Plotted: Mar 18, 2026 - 2:18pm File: C:\Users\SCOTTK~1.CRO\AppData\Local\Temp\AcPublish_22428\25-162 E400.dwg By: SCOTTK

ELECTRICAL NOTES:

1. PTHP CONNECTION.
2. DISHWASHER CONNECTION BELOW SINK.
3. JUNCTION BOX FOR FUTURE ISLAND RECEPTACLE CONNECTIONS.
4. JUNCTION BOX FOR FUTURE PENINSULA RECEPTACLE CONNECTIONS.

TYPICAL OF (29) UNITS

PANEL SCHEDULE

FLUSH MOUNTING 22,000 AIC | NO. UP | LOCATION: UNIT 1-BED A | SERVING: UNIT 1-BED A | 120/208 VOLTS 1PHASE 3WIRE 125 AMPS WITH MAIN LUGS

	CKT NO.	LOAD DESCRIPTION	KVA	TRIP AMPS			TRIP AMPS	KVA	LOAD DESCRIPTION	CKT NO.	
***	1	RANGE	8.00	50			30	5.00	DRYER	2	***
	3			2			2			4	
*	5	KITCHEN RECEPTACLES	1.50	20			20	1.50	WASHER	6	*
*	7	KITCHEN RECEPTACLES	1.50				15	1.20	LIGHTS/RECEPTS.	8	**
*	9	DISHWASHER	1.20				15	1.20	LIGHTS/RECEPTS.	10	**
*	11	HOOD/MICROWAVE	1.20				15	1.20	LIGHTS/RECEPTS.	12	**
	13	BATH RECEPTACLES	.18	20			20	.25	ERV AND EF	14	**
	15	PTHP-1	4.06	20			20	.75	WALL HEATER	16	**
	17		1.20	2			30	4.50	WATER HEATER	18	
*	19	REFRIGERATOR		20			2			20	
	21	SPACE					-	-	TVSS	22	
	23	SPACE					2			24	

REMARKS: .

CONNECTED LOAD: 32.7 KVA 157 AMPS
DEMAND LOAD: 22.0 KVA 106 AMPS

* PROVIDE DUAL FUNCTION GFI/ARC FAULT CIRCUIT BREAKER.
** PROVIDE ARC FAULT CIRCUIT BREAKER.
*** PROVIDE GFI CIRCUIT BREAKER.

TYPICAL OF (1) UNIT

PANEL SCHEDULE

FLUSH MOUNTING 22,000 AIC | NO. UP | LOCATION: UNIT STUDIO D | SERVING: UNIT STUDIO D | 120/208 VOLTS 1PHASE 3WIRE 125 AMPS WITH MAIN LUGS

	CKT NO.	LOAD DESCRIPTION	KVA	TRIP AMPS			TRIP AMPS	KVA	LOAD DESCRIPTION	CKT NO.	
***	1	RANGE	8.00	50			30	5.00	DRYER	2	***
	3			2			2			4	
*	5	KITCHEN RECEPTACLES	1.50	20			20	1.50	WASHER	6	*
*	7	KITCHEN RECEPTACLES	1.50				15	1.20	LIGHTS/RECEPTS.	8	**
*	9	DISHWASHER	1.20				15	1.20	LIGHTS/RECEPTS.	10	**
*	11	HOOD/MICROWAVE	1.20				20	.25	ERV AND EF	12	**
	13	BATH RECEPTACLES	.18	20					SPACE	14	
	15	PTHP-1	4.06	20					SPACE	16	
	17			2			30	4.50	WATER HEATER	18	
	19	SPACE					2			20	
	21	SPACE					-	-	TVSS	22	
	23	SPACE					2			24	

REMARKS: .

CONNECTED LOAD: 30.2 KVA 145 AMPS
DEMAND LOAD: 20.5 KVA 99 AMPS

* PROVIDE DUAL FUNCTION GFI/ARC FAULT CIRCUIT BREAKER.
** PROVIDE ARC FAULT CIRCUIT BREAKER.
*** PROVIDE GFI CIRCUIT BREAKER.

TYPICAL OF (8) UNITS

PANEL SCHEDULE

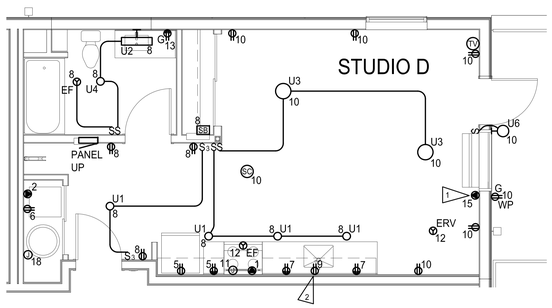
FLUSH MOUNTING 22,000 AIC | NO. UP | LOCATION: UNIT 1-BED B | SERVING: UNIT 1-BED B | 120/208 VOLTS 1PHASE 3WIRE 125 AMPS WITH MAIN LUGS

	CKT NO.	LOAD DESCRIPTION	KVA	TRIP AMPS			TRIP AMPS	KVA	LOAD DESCRIPTION	CKT NO.	
***	1	RANGE	8.00	50			30	5.00	DRYER	2	***
	3			2			2			4	
*	5	KITCHEN RECEPTACLES	1.50	20			20	1.50	WASHER	6	*
*	7	KITCHEN RECEPTACLES	1.50				15	1.20	LIGHTS/RECEPTS.	8	**
*	9	DISHWASHER	1.20				15	1.20	LIGHTS/RECEPTS.	10	**
*	11	HOOD/MICROWAVE	1.20				15	1.20	LIGHTS/RECEPTS.	12	**
	13	BATH RECEPTACLES	.18	20			20	.25	ERV AND EF	14	**
	15	PTHP-1	4.06	20			20	.75	WALL HEATER	16	**
	17			2			30	4.50	WATER HEATER	18	
*	19	REFRIGERATOR	1.20	20			2			20	
	21	SPACE					-	-	TVSS	22	
	23	SPACE					2			24	

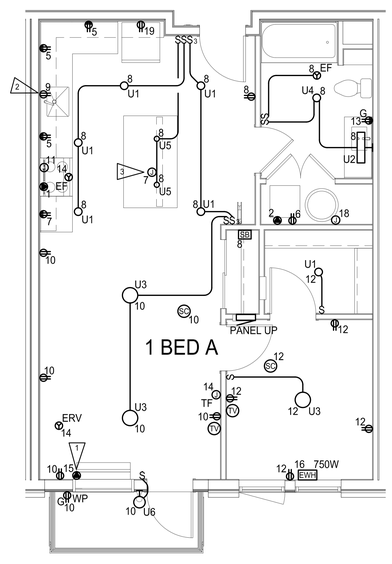
REMARKS: .

CONNECTED LOAD: 32.7 KVA 157 AMPS
DEMAND LOAD: 22.0 KVA 106 AMPS

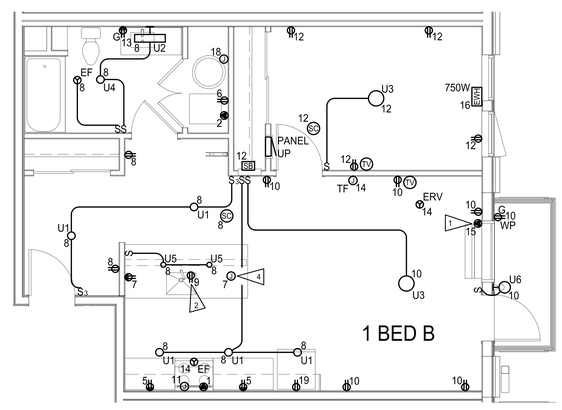
* PROVIDE DUAL FUNCTION GFI/ARC FAULT CIRCUIT BREAKER.
** PROVIDE ARC FAULT CIRCUIT BREAKER.
*** PROVIDE GFI CIRCUIT BREAKER.



STUDIO D ELECTRICAL PLAN
SCALE: 1/4"=1'-0"
NOTE: TYPICAL OF (1) UNIT.



1 BED A ELECTRICAL PLAN
SCALE: 1/4"=1'-0"
NOTE: TYPICAL OF (29) UNITS.



1 BED B ELECTRICAL PLAN
SCALE: 1/4"=1'-0"
NOTE: TYPICAL OF (8) UNITS.

PERMIT SET

CROSS ENGINEERS, INC
923 Martin Luther King Jr. Way
Tacoma, WA 98405
Phone: (253) 759-0118
Job Number: 25-162
info@crossengineers.com

PUYALLUP BELL PLACE
204 4TH ST SW
PUYALLUP, WA 98371

UNIT ELECTRICAL PLANS

REVISIONS:

STEVEN L. HUBBS — STATE OF WASHINGTON — 0029060 — REGISTERED PROFESSIONAL ENGINEER
5/18/26

SCALE: AS NOTED
DATE: 3-18-2026
DRAWN BY: JAE
CHECKED BY: SLH
JOB NO.: 25-162
SHEET: E401
OF: - -

Plotted: Mar 18, 2026 - 2:18pm File: C:\Users\SCOTTK~1.CRO\AppData\Local\Temp\AcPublish_22428\25-162 E401.dwg By: SCOTTK

ELECTRICAL NOTES:

1. PTHP CONNECTION.
2. DISHWASHER CONNECTION BELOW SINK.
3. JUNCTION BOX FOR FUTURE ISLAND RECEPTACLE CONNECTIONS.
4. JUNCTION BOX FOR FUTURE PENINSULA RECEPTACLE CONNECTIONS.

TYPICAL OF (7) UNITS

PANEL SCHEDULE

FLUSH MOUNTING
22,000 AIC

NO. **UP**

LOCATION: UNIT 1-BED C
SERVING: UNIT 1-BED C

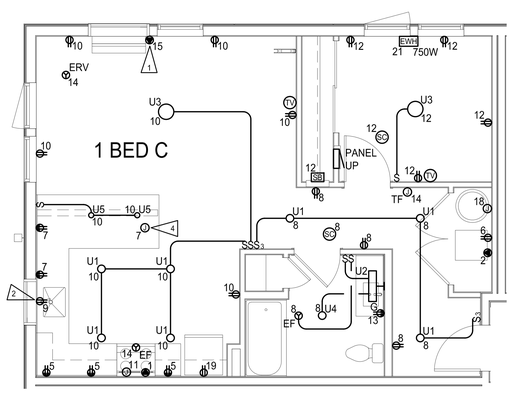
120/208 VOLTS 1PHASE 3WIRE
125 AMPS WITH MAIN LUGS

	CKT NO.	LOAD DESCRIPTION	KVA	TRIP AMPS		TRIP AMPS	KVA	LOAD DESCRIPTION	CKT NO.	
***	1	RANGE	8.00	50		30	5.00	DRYER	2	***
	3			2		2			4	
*	5	KITCHEN RECEPTACLES	1.50	20		20	1.50	WASHER	6	*
*	7	KITCHEN RECEPTACLES	1.50			15	1.20	LIGHTS/RECEPTS.	8	**
*	9	DISHWASHER	1.20			15	1.20	LIGHTS/RECEPTS.	10	**
*	11	HOOD/MICROWAVE	1.20			15	1.20	LIGHTS/RECEPTS.	12	**
	13	BATH RECEPTACLES	.18	20		20	.25	ERV AND EF	14	**
	15	PTHP-2	5.74	30				SPACE	16	
	17			2		30	4.50	WATER HEATER	18	
*	19	REFRIGERATOR	1.20	20		2			20	
**	21	WALL HEATER	.75	20		-	-	TVSS	22	
	23	SPACE				2			24	

REMARKS: .

CONNECTED LOAD: 32.7 KVA 157 AMPS
DEMAND LOAD: 22.0 KVA 106 AMPS

* PROVIDE DUAL FUNCTION GFI/ARC FAULT CIRCUIT BREAKER.
** PROVIDE ARC FAULT CIRCUIT BREAKER.
*** PROVIDE GFI CIRCUIT BREAKER.



1 BED C ELECTRICAL PLAN
SCALE: 1/4"=1'-0"
NOTE: TYPICAL OF (7) UNITS.

TYPICAL OF (3) UNITS

PANEL SCHEDULE

FLUSH MOUNTING
22,000 AIC

NO. **UP**

LOCATION: UNIT 1-BED D- TYPE A
SERVING: UNIT 1-BED D- TYPE A

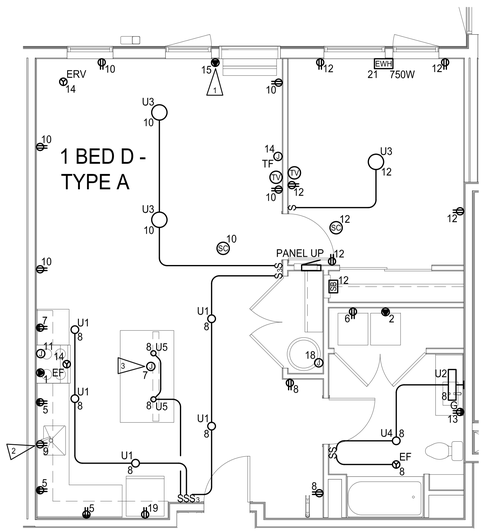
120/208 VOLTS 1PHASE 3WIRE
125 AMPS WITH MAIN LUGS

	CKT NO.	LOAD DESCRIPTION	KVA	TRIP AMPS		TRIP AMPS	KVA	LOAD DESCRIPTION	CKT NO.	
***	1	RANGE	8.00	50		30	5.00	DRYER	2	***
	3			2		2			4	
*	5	KITCHEN RECEPTACLES	1.50	20		20	1.50	WASHER	6	*
*	7	KITCHEN RECEPTACLES	1.50			15	1.20	LIGHTS/RECEPTS.	8	**
*	9	DISHWASHER	1.20			15	1.20	LIGHTS/RECEPTS.	10	**
*	11	HOOD/MICROWAVE	1.20			15	1.20	LIGHTS/RECEPTS.	12	**
	13	BATH RECEPTACLES	.18	20		20	.25	ERV AND EF	14	**
	15	PTHP-1	4.06	20				SPACE	16	
	17			2		30	4.50	WATER HEATER	18	
*	19	REFRIGERATOR	1.20	20		2			20	
**	21	WALL HEATER	.75	20		-	-	TVSS	22	
	23	SPACE				2			24	

REMARKS: .

CONNECTED LOAD: 31.0 KVA 149 AMPS
DEMAND LOAD: 22.3 KVA 107 AMPS

* PROVIDE DUAL FUNCTION GFI/ARC FAULT CIRCUIT BREAKER.
** PROVIDE ARC FAULT CIRCUIT BREAKER.
*** PROVIDE GFI CIRCUIT BREAKER.



1 BED D - TYPE A ELECTRICAL PLAN
SCALE: 1/4"=1'-0"
NOTE: TYPICAL OF (3) UNITS.

TYPICAL OF (8) UNITS

PANEL SCHEDULE

FLUSH MOUNTING
22,000 AIC

NO. **UP**

LOCATION: UNIT 2-BED A
SERVING: UNIT 2-BED A

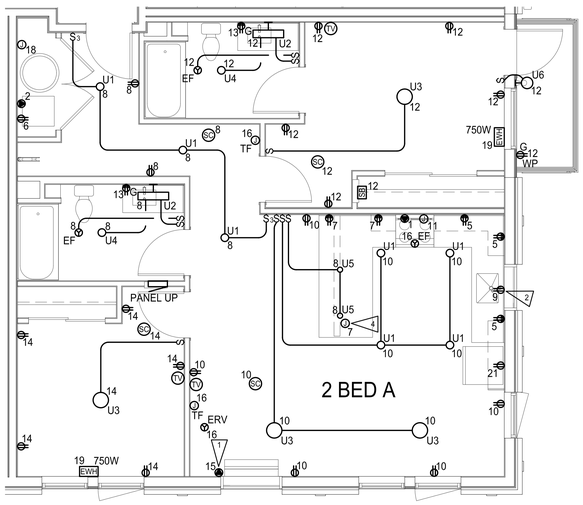
120/208 VOLTS 1PHASE 3WIRE
125 AMPS WITH MAIN LUGS

	CKT NO.	LOAD DESCRIPTION	KVA	TRIP AMPS		TRIP AMPS	KVA	LOAD DESCRIPTION	CKT NO.	
***	1	RANGE	8.00	50		30	5.00	DRYER	2	***
	3			2		2			4	
*	5	KITCHEN RECEPTACLES	1.50	20		20	1.50	WASHER	6	*
*	7	KITCHEN RECEPTACLES	1.50			15	1.20	LIGHTS/RECEPTS.	8	**
*	9	DISHWASHER	1.20				1.20		10	**
*	11	HOOD/MICROWAVE	1.20				1.20		12	**
	13	BATH RECEPTACLES	.36	20		15	1.20	LIGHTS/RECEPTS.	14	**
	15	PTHP-2	5.74	30		20	.25	ERV AND EF	16	**
	17			2		30	4.50	WATER HEATER	18	
	19	WALL HEATER(S)	1.50	20		2			20	
*	21	REFRIGERATOR	1.20	20		-	-	TVSS	22	
	23	SPACE				2			24	

REMARKS: .

CONNECTED LOAD: 35.7 KVA 172 AMPS
DEMAND LOAD: 24.6 KVA 118 AMPS

* PROVIDE DUAL FUNCTION GFI/ARC FAULT CIRCUIT BREAKER.
** PROVIDE ARC FAULT CIRCUIT BREAKER.
*** PROVIDE GFI CIRCUIT BREAKER.



2 BED A ELECTRICAL PLAN
SCALE: 1/4"=1'-0"
NOTE: TYPICAL OF (8) UNITS.

PERMIT SET

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204 4TH ST SW
PUYALLUP, WA 98371

UNIT ELECTRICAL PLANS

REVISIONS:

STEVEN L. HUBER
STATE OF WASHINGTON
20229060
REGISTERED
PROFESSIONAL ENGINEER
5/18/26

SCALE: AS NOTED
DATE: 3-18-2026
DRAWN BY: JAE
CHECKED BY: SLH
JOB NO.: 25-162
SHEET: E402
OF: - -

Plotted: Mar 18, 2026 - 2:18pm File: C:\Users\SCOTTK~1.CRO\AppData\Local\Temp\AcPublish_22428\25-162 E402.dwg By: SCOTTK

TYPICAL OF (4) UNITS

PANEL SCHEDULE

FLUSH MOUNTING
22,000 AIC

NO. **UP**

LOCATION: UNIT 2-BED B
SERVING: UNIT 2-BED B

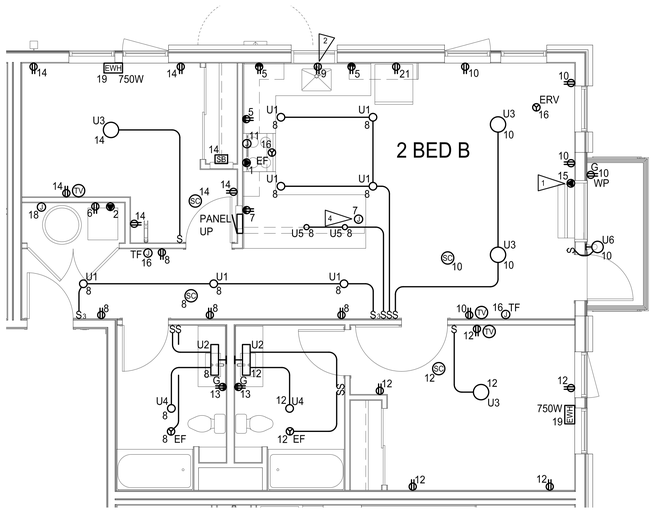
120/208 VOLTS 1PHASE 3WIRE
125 AMPS WITH MAIN LUGS

	CKT NO.	LOAD DESCRIPTION	KVA	TRIP AMPS		TRIP AMPS	KVA	LOAD DESCRIPTION	CKT NO.	
***	1	RANGE	8.00	50		30	5.00	DRYER	2	***
	3			2		2			4	
*	5	KITCHEN RECEPTACLES	1.50	20		20	1.50	WASHER	6	*
*	7	KITCHEN RECEPTACLES	1.50			15	1.20	LIGHTS/RECEPTS.	8	**
*	9	DISHWASHER	1.20				1.20		10	**
*	11	HOOD/MICROWAVE	1.20				1.20		12	**
	13	BATH RECEPTACLES	.36	20		15	1.20	LIGHTS/RECEPTS.	14	**
	15	PTHP-2	5.74	30		20	.25	ERV AND EF	16	**
	17			2		30	4.50	WATER HEATER	18	
	19	WALL HEATER(S)	1.50	20		2			20	
*	21	REFRIGERATOR	1.20	20		-	-	TVSS	22	
	23	SPACE				2			24	

REMARKS: .

CONNECTED LOAD: 35.7 KVA 172 AMPS
DEMAND LOAD: 24.6 KVA 118 AMPS

* PROVIDE DUAL FUNCTION GFI/ARC FAULT CIRCUIT BREAKER.
** PROVIDE ARC FAULT CIRCUIT BREAKER.
*** PROVIDE GFI CIRCUIT BREAKER.



2 BED B ELECTRICAL PLAN

SCALE: 1/4"=1'-0"
NOTE: TYPICAL OF (4) UNITS.

TYPICAL OF (4) UNITS

PANEL SCHEDULE

FLUSH MOUNTING
22,000 AIC

NO. **UP**

LOCATION: UNIT 2-BED C - TYPE A
SERVING: UNIT 2-BED C - TYPE A

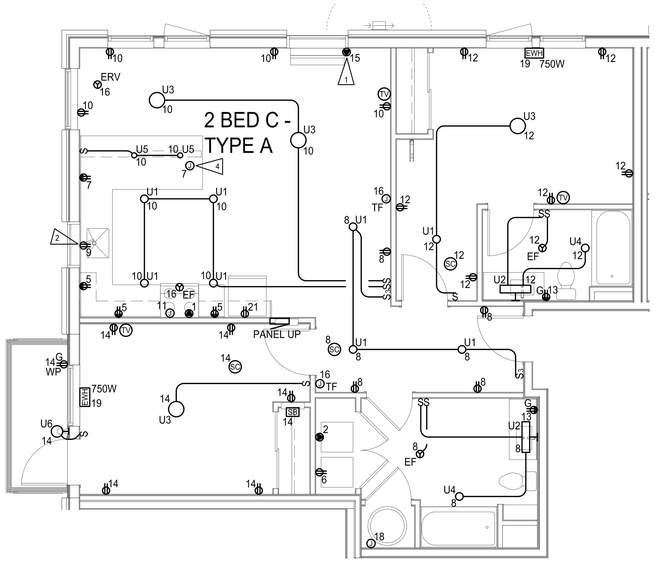
120/208 VOLTS 1PHASE 3WIRE
125 AMPS WITH MAIN LUGS

	CKT NO.	LOAD DESCRIPTION	KVA	TRIP AMPS		TRIP AMPS	KVA	LOAD DESCRIPTION	CKT NO.	
***	1	RANGE	8.00	50		30	5.00	DRYER	2	***
	3			2		2			4	
*	5	KITCHEN RECEPTACLES	1.50	20		20	1.50	WASHER	6	*
*	7	KITCHEN RECEPTACLES	1.50			15	1.20	LIGHTS/RECEPTS.	8	**
*	9	DISHWASHER	1.20				1.20		10	**
*	11	HOOD/MICROWAVE	1.20				1.20		12	**
	13	BATH RECEPTACLES	.36	20		15	1.20	LIGHTS/RECEPTS.	14	**
	15	PTHP-2	5.74	30		20	.25	ERV AND EF	16	**
	17			2		30	4.50	WATER HEATER	18	
	19	WALL HEATER(S)	1.50	20		2			20	
*	21	REFRIGERATOR	1.20	20		-	-	TVSS	22	
	23	SPACE				2			24	

REMARKS: .

CONNECTED LOAD: 35.7 KVA 172 AMPS
DEMAND LOAD: 24.6 KVA 118 AMPS

* PROVIDE DUAL FUNCTION GFI/ARC FAULT CIRCUIT BREAKER.
** PROVIDE ARC FAULT CIRCUIT BREAKER.
*** PROVIDE GFI CIRCUIT BREAKER.



2 BED C - TYPE A ELECTRICAL PLAN

SCALE: 1/4"=1'-0"
NOTE: TYPICAL OF (4) UNITS.

TYPICAL OF (4) UNITS

PANEL SCHEDULE

FLUSH MOUNTING
22,000 AIC

NO. **UP**

LOCATION: UNIT 2-BED D
SERVING: UNIT 2-BED D

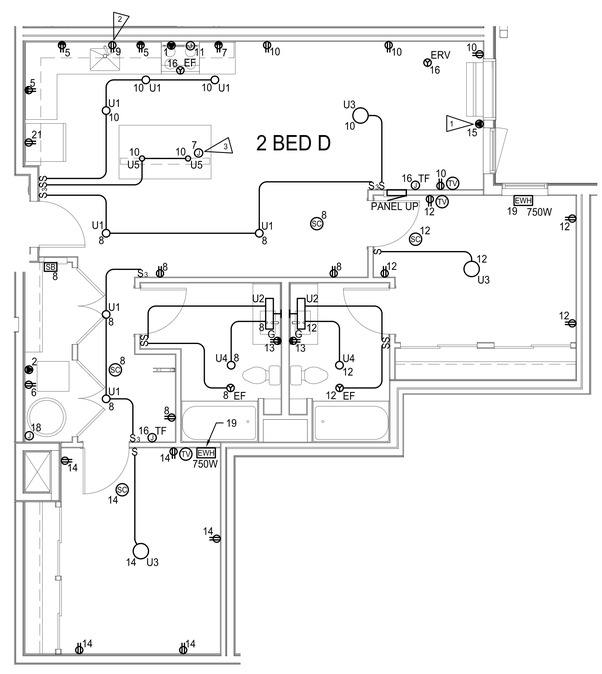
120/208 VOLTS 1PHASE 3WIRE
125 AMPS WITH MAIN LUGS

	CKT NO.	LOAD DESCRIPTION	KVA	TRIP AMPS		TRIP AMPS	KVA	LOAD DESCRIPTION	CKT NO.	
***	1	RANGE	8.00	50		30	5.00	DRYER	2	***
	3			2		2			4	
*	5	KITCHEN RECEPTACLES	1.50	20		20	1.50	WASHER	6	*
*	7	KITCHEN RECEPTACLES	1.50			15	1.20	LIGHTS/RECEPTS.	8	**
*	9	DISHWASHER	1.20				1.20		10	**
*	11	HOOD/MICROWAVE	1.20				1.20		12	**
	13	BATH RECEPTACLES	.18	20		15	1.20	LIGHTS/RECEPTS.	14	**
	15	PTHP-2	5.74	30		20	.25	ERV AND EF	16	**
	17			2		30	4.50	WATER HEATER	18	
	19	WALL HEATER(S)	1.50	20		2			20	
*	21	REFRIGERATOR	1.20	20		-	-	TVSS	22	
	23	SPACE				2			24	

REMARKS: .

CONNECTED LOAD: 35.7 KVA 172 AMPS
DEMAND LOAD: 24.6 KVA 118 AMPS

* PROVIDE DUAL FUNCTION GFI/ARC FAULT CIRCUIT BREAKER.
** PROVIDE ARC FAULT CIRCUIT BREAKER.
*** PROVIDE GFI CIRCUIT BREAKER.



2 BED D ELECTRICAL PLAN

SCALE: 1/4"=1'-0"
NOTE: TYPICAL OF (4) UNITS.

ELECTRICAL NOTES:

1. PTHP CONNECTION.
2. DISHWASHER CONNECTION BELOW SINK.
3. JUNCTION BOX FOR FUTURE ISLAND RECEPTACLE CONNECTIONS.
4. JUNCTION BOX FOR FUTURE PENINSULA RECEPTACLE CONNECTIONS.

PERMIT SET

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UNIT ELECTRICAL PLANS

REVISIONS:

STEVEN L. HUBER — STATE OF WASHINGTON — 20029060 — REGISTERED PROFESSIONAL ENGINEER
5/18/26

SCALE: AS NOTED
DATE: 3-18-2026
DRAWN BY: JAE
CHECKED BY: SLH
JOB NO.: 25-162
SHEET: E403
OF: - -

Plotted: Mar 18, 2026 – 2:18pm File: C:\Users\SCOTTK~1.CRO\AppData\Local\Temp\AcPublish_22428\25-162 E403.dwg By: SCOTTK

ELECTRICAL NOTES:

1. PTHP CONNECTION.
2. DISHWASHER CONNECTION BELOW SINK.
3. JUNCTION BOX FOR FUTURE PENINSULA RECEPTACLE CONNECTIONS.

TYPICAL OF (4) UNITS

PANEL SCHEDULE

FLUSH MOUNTING
22,000 AIC

NO. **UP**

LOCATION: UNIT 2-BED E
SERVING: UNIT 2-BED E

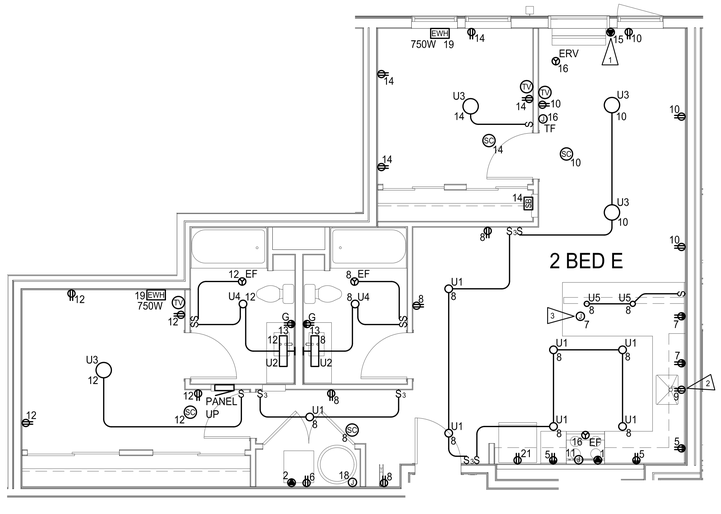
120/208 VOLTS 1PHASE 3WIRE
125 AMPS WITH MAIN LUGS

	CKT NO.	LOAD DESCRIPTION	KVA	TRIP AMPS		TRIP AMPS	KVA	LOAD DESCRIPTION	CKT NO.	
***	1	RANGE	8.00	50		30	5.00	DRYER	2	***
	3			2		2			4	
*	5	KITCHEN RECEPTACLES	1.50	20		20	1.50	WASHER	6	*
*	7	KITCHEN RECEPTACLES	1.50			15	1.20	LIGHTS/RECEPTS.	8	**
*	9	DISHWASHER	1.20				1.20		10	**
*	11	HOOD/MICROWAVE	1.20				1.20		12	**
	13	BATH RECEPTACLES	.36	20		15	1.20	LIGHTS/RECEPTS.	14	**
	15	PTHP-2	5.74	30		20	.25	ERV AND EF	16	**
	17			2		30	4.50	WATER HEATER	18	
	19	WALL HEATER(S)	1.50	20		2			20	
*	21	REFRIGERATOR	1.20	20		-	-	TVSS	22	
	23	SPACE				2			24	

REMARKS: .

CONNECTED LOAD: 35.7 KVA 172 AMPS
DEMAND LOAD: 24.6 KVA 118 AMPS

* PROVIDE DUAL FUNCTION GFI/ARC FAULT CIRCUIT BREAKER.
** PROVIDE ARC FAULT CIRCUIT BREAKER.
*** PROVIDE GFI CIRCUIT BREAKER.



2 BED E ELECTRICAL PLAN

SCALE: 1/4"=1'-0"
NOTE: TYPICAL OF (4) UNITS.

PERMIT SET

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PUYALLUP BELL PLACE
204 4TH ST SW
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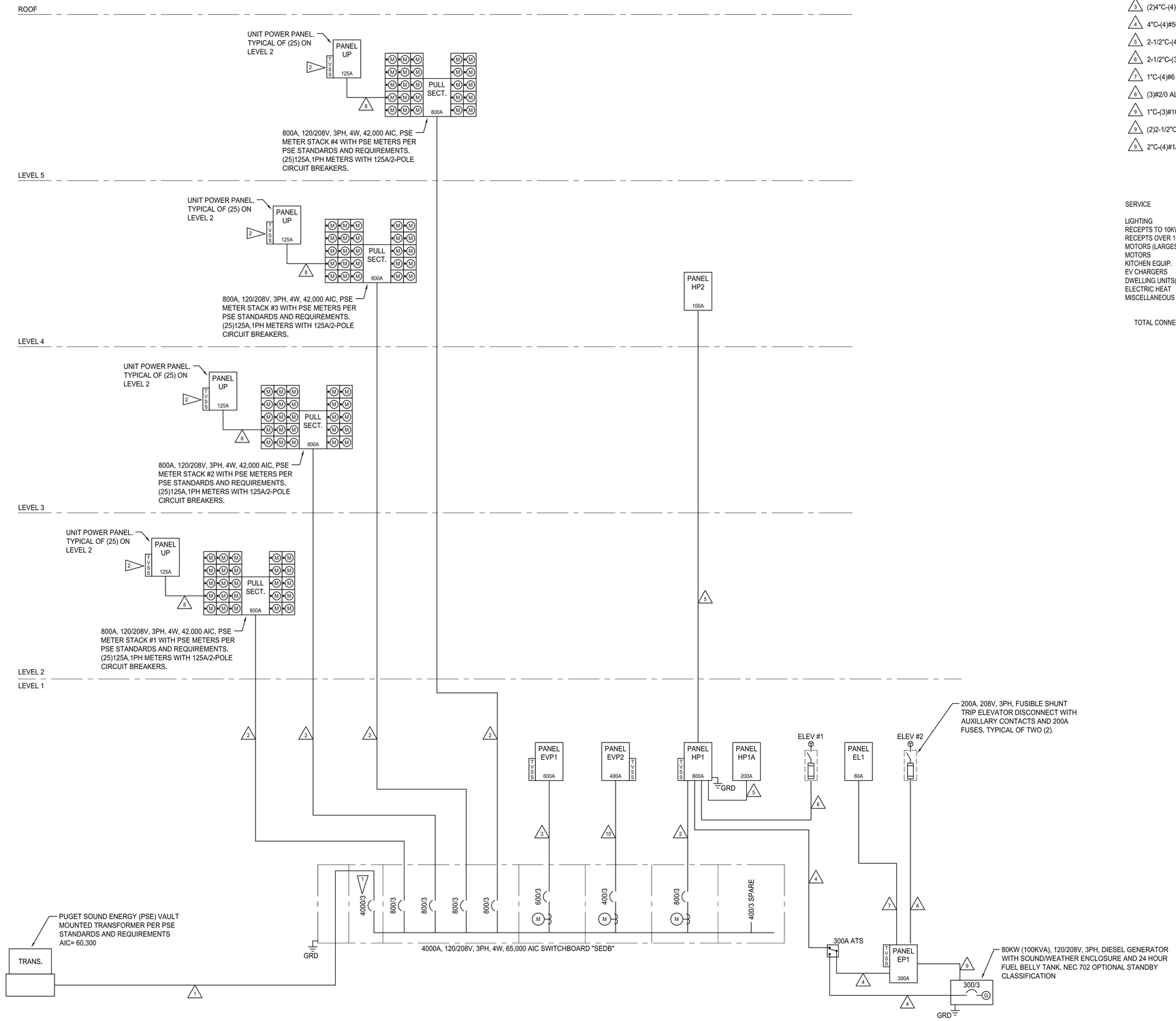
UNIT ELECTRICAL PLANS

REVISIONS:

STEVEN L. HUBER
STATE OF WASHINGTON
20039060
REGISTERED
PROFESSIONAL ENGINEER
5/18/26

SCALE:	AS NOTED
DATE:	3-18-2026
DRAWN BY:	IAE
CHECKED BY:	SLH
JOB NO.:	25-162
SHEET	E404
OF	- -

Plotted: Mar 18, 2026 - 2:19pm File: C:\Users\SCOTTK~1.CRO\AppData\Local\Temp\AcPublish_22428\25-162 E404.dwg By: SCOTTK



POWER RISER DIAGRAM

NO SCALE

ELECTRICAL NOTES:

1. PROVIDE ARC REDUCTION SWITCH PER NEC 240-87.
2. PROVIDE PLUG-ON BUSS STYLE TVSS UNIT FOR DWELLING UNIT PANEL. SIEMENS #QSPD-2-A-065P OR EQUAL.

CONDUIT AND CONDUCTOR SCHEDULE:

1. (10)4"C-(4)#600 KCM CU EACH
2. (3)4"C-(4)#400 KCM AL & (1)#3/0 AL GRD EACH
3. (2)4"C-(4)#500 KCM AL & (1)#2/0 AL GRD EACH
4. 4"C-(4)#500 KCM AL & (1)#2 AL GRD
5. 2-1/2"C-(4)#250 KCM AL & (1)#4 AL GRD
6. 2-1/2"C-(3)#3/0 CU & (1)#6 CU GRD
7. 1"C-(4)#6 CU & (1)#10 CU GRD
8. (3)#2/0 AL & (1)#4 AL GRD (MC CABLE)
9. 1"C-(3)#10 CU & (1)#10 CU GRD (BATTERY CHARGER/BLOCK HEATER
9. (2)2-1/2"C-(4)#250 KCM AL & (1)#1 AL GRD EACH
9. 2"C-(4)#1/0 AL & (1)#4 AL GRD

OVERALL SWITCHBOARD "SEDB" LOAD CALCULATIONS

SERVICE	KVA LOAD		FACTOR	NEC REF.		DEMAND LOAD
LIGHTING	9.20	X	1.25	210.19(A)(1)	=	11.50
RECEPTS TO 10KW	10.00	X	1.00	220.44	=	10.00
RECEPTS OVER 10KW	10.34	X	0.50	220.44	=	5.17
MOTORS (LARGEST)	48.96	X	1.25	430.24	=	61.20
MOTORS	109.13	X	1.00	430.24	=	109.13
KITCHEN EQUIP.	-	X	1.00	220.56	=	-
EV CHARGERS	219.42	X	1.25		=	274.53
DWELLING UNITS(100)	3264.40	X	0.23	220.84	=	750.81
ELECTRIC HEAT	27.00	X	1.00	220.51	=	27.00
MISCELLANEOUS	10.86	X	1.00		=	10.86
TOTAL CONNECTED	3709.5 KVA (10,304 AMPS)			TOTAL DEMAND		1260.2 KVA (3501 AMPS)

CROSS ENGINEERS, INC
923 Martin Luther King Jr. Way
Tacoma, WA 98405
Phone: (253) 759-0118
Job Number: 25-162
info@crossengineers.com

PUYALLUP BELL PLACE
204 44TH ST SW
PUYALLUP, WA 98371

POWER RISER DIAGRAM

REVISIONS:

STEVEN L. HUBBS — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER — 5/18/26

SCALE:	AS NOTED
DATE:	3-18-2026
DRAWN BY:	IAE
CHECKED BY:	SLH
JOB NO.:	25-162
SHEET	E500
OF	- -

PERMIT SET

Plotted: Mar 18, 2026 - 2:19pm File: C:\Users\SCOTTK~1.CRO\AppData\Local\Temp\AcPublish_22428\25-162 E500.dwg By: SCOTTK

800 AMP METER STACK #1 LOAD CALCULATION (NEC 220-84)

SERVICE	CONNECTED LOAD				
UNIT TYPE STUDIO A CONNECTED LOAD	30.20 KVA	X	2 UNITS	=	60.40 KVA
UNIT TYPE STUDIO B CONNECTED LOAD	30.20 KVA	X	4 UNIT	=	120.80 KVA
UNIT TYPE STUDIO C CONNECTED LOAD	30.20 KVA	X	1 UNIT	=	30.20 KVA
UNIT TYPE STUDIO D CONNECTED LOAD	30.20 KVA	X	1 UNIT	=	30.20 KVA
UNIT TYPE 1-BED A CONNECTED LOAD	32.70 KVA	X	8 UNITS	=	261.60 KVA
UNIT TYPE 1-BED B CONNECTED LOAD	32.70 KVA	X	2 UNITS	=	65.40 KVA
UNIT TYPE 1-BED C CONNECTED LOAD	32.70 KVA	X	1 UNIT	=	32.70 KVA
UNIT TYPE 2-BED A CONNECTED LOAD	35.70 KVA	X	2 UNITS	=	71.40 KVA
UNIT TYPE 2-BED B CONNECTED LOAD	35.70 KVA	X	1 UNIT	=	35.70 KVA
UNIT TYPE 2-BED C-A CONNECTED LOAD	35.70 KVA	X	1 UNIT	=	35.70 KVA
UNIT TYPE 2-BED D CONNECTED LOAD	35.70 KVA	X	1 UNIT	=	35.70 KVA
UNIT TYPE 2-BED E CONNECTED LOAD	35.70 KVA	X	1 UNIT	=	35.70 KVA
TOTAL				=	815.50 KVA
X 35% PER TABLE 220.84				X	.35
TOTAL (DEMAND LOAD)				=	285.43 KVA (793 AMPS) @ 120/208V, 3PH

800 AMP METER STACK #2 LOAD CALCULATION (NEC 220-84)

SERVICE	CONNECTED LOAD				
UNIT TYPE STUDIO A CONNECTED LOAD	30.20 KVA	X	2 UNITS	=	60.40 KVA
UNIT TYPE STUDIO B CONNECTED LOAD	30.20 KVA	X	4 UNIT	=	120.80 KVA
UNIT TYPE STUDIO C CONNECTED LOAD	30.20 KVA	X	1 UNIT	=	30.20 KVA
UNIT TYPE 1-BED A CONNECTED LOAD	32.70 KVA	X	7 UNITS	=	228.90 KVA
UNIT TYPE 1-BED B CONNECTED LOAD	32.70 KVA	X	2 UNITS	=	65.40 KVA
UNIT TYPE 1-BED C CONNECTED LOAD	32.70 KVA	X	2 UNIT	=	65.40 KVA
UNIT TYPE 1-BED D-A CONNECTED LOAD	31.00 KVA	X	1 UNIT	=	31.00 KVA
UNIT TYPE 2-BED A CONNECTED LOAD	35.70 KVA	X	2 UNITS	=	71.40 KVA
UNIT TYPE 2-BED B CONNECTED LOAD	35.70 KVA	X	1 UNIT	=	35.70 KVA
UNIT TYPE 2-BED C-A CONNECTED LOAD	35.70 KVA	X	1 UNIT	=	35.70 KVA
UNIT TYPE 2-BED D CONNECTED LOAD	35.70 KVA	X	1 UNIT	=	35.70 KVA
UNIT TYPE 2-BED E CONNECTED LOAD	35.70 KVA	X	1 UNIT	=	35.70 KVA
TOTAL				=	816.30 KVA
X 35% PER TABLE 220.84				X	.35
TOTAL (DEMAND LOAD)				=	285.71 KVA (794 AMPS) @ 120/208V, 3PH

800 AMP METER STACK #3 LOAD CALCULATION (NEC 220-84)

SERVICE	CONNECTED LOAD				
UNIT TYPE STUDIO A CONNECTED LOAD	30.20 KVA	X	2 UNITS	=	60.40 KVA
UNIT TYPE STUDIO B CONNECTED LOAD	30.20 KVA	X	4 UNIT	=	120.80 KVA
UNIT TYPE STUDIO C CONNECTED LOAD	30.20 KVA	X	1 UNIT	=	30.20 KVA
UNIT TYPE 1-BED A CONNECTED LOAD	32.70 KVA	X	7 UNITS	=	228.90 KVA
UNIT TYPE 1-BED B CONNECTED LOAD	32.70 KVA	X	2 UNITS	=	65.40 KVA
UNIT TYPE 1-BED C CONNECTED LOAD	32.70 KVA	X	2 UNIT	=	65.40 KVA
UNIT TYPE 1-BED D-A CONNECTED LOAD	31.00 KVA	X	1 UNIT	=	31.00 KVA
UNIT TYPE 2-BED A CONNECTED LOAD	35.70 KVA	X	2 UNITS	=	71.40 KVA
UNIT TYPE 2-BED B CONNECTED LOAD	35.70 KVA	X	1 UNIT	=	35.70 KVA
UNIT TYPE 2-BED C-A CONNECTED LOAD	35.70 KVA	X	1 UNIT	=	35.70 KVA
UNIT TYPE 2-BED D CONNECTED LOAD	35.70 KVA	X	1 UNIT	=	35.70 KVA
UNIT TYPE 2-BED E CONNECTED LOAD	35.70 KVA	X	1 UNIT	=	35.70 KVA
TOTAL				=	816.30 KVA
X 35% PER TABLE 220.84				X	.35
TOTAL (DEMAND LOAD)				=	285.71 KVA (794 AMPS) @ 120/208V, 3PH

800 AMP METER STACK #4 LOAD CALCULATION (NEC 220-84)

SERVICE	CONNECTED LOAD				
UNIT TYPE STUDIO A CONNECTED LOAD	30.20 KVA	X	2 UNITS	=	60.40 KVA
UNIT TYPE STUDIO B CONNECTED LOAD	30.20 KVA	X	4 UNIT	=	120.80 KVA
UNIT TYPE STUDIO C CONNECTED LOAD	30.20 KVA	X	1 UNIT	=	30.20 KVA
UNIT TYPE 1-BED A CONNECTED LOAD	32.70 KVA	X	7 UNITS	=	228.90 KVA
UNIT TYPE 1-BED B CONNECTED LOAD	32.70 KVA	X	2 UNITS	=	65.40 KVA
UNIT TYPE 1-BED C CONNECTED LOAD	32.70 KVA	X	2 UNIT	=	65.40 KVA
UNIT TYPE 1-BED D-A CONNECTED LOAD	31.00 KVA	X	1 UNIT	=	31.00 KVA
UNIT TYPE 2-BED A CONNECTED LOAD	35.70 KVA	X	2 UNITS	=	71.40 KVA
UNIT TYPE 2-BED B CONNECTED LOAD	35.70 KVA	X	1 UNIT	=	35.70 KVA
UNIT TYPE 2-BED C-A CONNECTED LOAD	35.70 KVA	X	1 UNIT	=	35.70 KVA
UNIT TYPE 2-BED D CONNECTED LOAD	35.70 KVA	X	1 UNIT	=	35.70 KVA
UNIT TYPE 2-BED E CONNECTED LOAD	35.70 KVA	X	1 UNIT	=	35.70 KVA
TOTAL				=	816.30 KVA
X 35% PER TABLE 220.84				X	.35
TOTAL (DEMAND LOAD)				=	285.71 KVA (794 AMPS) @ 120/208V, 3PH

PERMIT SET

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PUYALLUP BELL PLACE
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PUYALLUP, WA 98371

METER STACK LOAD CALCULATIONS

REVISIONS:

STEVEN L. HUGHES — STATE OF WASHINGTON — 0029060 — REGISTERED PROFESSIONAL ENGINEER
5/18/26

SCALE: AS NOTED	
DATE: 3-18-2026	SHEET E501
DRAWN BY: JAE	
CHECKED BY: SLH	
JOB NO.: 25-162	OF - -

Plotted: Mar 18, 2026 - 2:19pm File: C:\Users\SCOTTK~1.CRO\AppData\Local\Temp\AcPublish_22428\25-162 E501.dwg By: SCOTTK

SURFACE MOUNTING
42,000 AIC

PANEL SCHEDULE

NO. **HP1** | LOCATION: ELEC. 106 | SERVING: EQUIPMENT | 120/208 VOLTS 3PHASE 4WIRE 800 AMPS WITH MAIN LUGS

CKT NO.	LOAD DESCRIPTION	KVA	TRIP AMPS		TRIP AMPS	KVA	LOAD DESCRIPTION	CKT NO.
1	DH-1	7.00	50		40	4.51	HP-1	2
3			2		2			4
5	DH-2	3.50	25		40	4.51	HP-2	6
7			2		2			8
9	DH-3	3.50	25		15	.83	CC-1A,1B,2A,2B	10
11			2		2			12
13	EF-1,ERV-1	1.23	15		30	4.16	WH-4	14
15			2		2			16
17	UH-1A	3.00	25				SPACE	18
19			2		90	23.18	BP-1	20
21	UH-1B	3.00	25					22
23			2		3			24
25	WH-1	3.00	25		100	13.50	PANEL HP2	26
27			2					28
29	SPACE				3			30
31	PANEL HP1A	37.20	200		300	64.40	PANEL EP1 VIA 300A ATS	32
33								34
35			3		3			36
37	ELEVATOR #1	48.96	200		30		TVSS	38
39								40
41			3		3			42

REMARKS: .

CONNECTED LOAD: 225.5 KVA 626 AMPS
DEMAND LOAD: 234.9 KVA 652 AMPS

PANEL HP1 LOAD CALCULATIONS

SERVICE	KVA LOAD		FACTOR	NEC REF.		DEMAND LOAD
LIGHTING	9.20	X	1.25	220.19(A)(1)	=	11.50
RECEPTS TO 10KW	10.00	X	1.00	220.44	=	10.00
RECEPTS OVER 10KW	10.34	X	0.50	220.44	=	5.17
MOTORS (LARGEST)	48.96	X	1.25	430.24	=	61.20
MOTORS	109.13	X	1.00	430.24	=	109.13
KITCHEN EQUIP.	-	X	1.00	220.56	=	-
WELDERS	-	X	1.00	630.11(B)	=	-
AIR CONDITIONING	-	X	1.00	220.50	=	-
ELECTRIC HEAT	27.00	X	1.00	220.51	=	27.00
MISCELLANEOUS	10.86	X	1.00		=	10.86
TOTAL CONNECTED	225.5 KVA (626 AMPS)			TOTAL DEMAND		234.9 KVA (652 AMPS)

SURFACE MOUNTING
7 AIC

PANEL SCHEDULE

NO. **HP1A** | LOCATION: ELEC. 108 | SERVING: EQUIPMENT | 120/208 VOLTS 3PHASE 4WIRE 200 AMPS WITH MAIN LUGS

CKT NO.	LOAD DESCRIPTION	KVA	TRIP AMPS		TRIP AMPS	KVA	LOAD DESCRIPTION	CKT NO.
1	LEVEL 1 - RECEPTACLES	.90	20		20	1.22	LEVEL 1 - LIGHTING	2
3		.72				.86		4
5		.72				1.01		6
7		.54				1.08	LEVEL 1 - LIGHTING	8
9		.90				1.06	LEVEL 2 - LIGHTING	10
11		.90					SPARE	12
13		.72					SPARE	14
15		.72			20		SPARE	16
17		.72					SPACE	18
19		.54						20
21		.54						22
23		.54						24
25	LEVEL 1 - RECEPTACLES	.36						26
27	LEVEL 2 - RECEPTACLES	.90						28
29	LEVEL 2 - RECEPTACLES	1.08						30
31	LEVEL 2 - RECEPTACLES	1.08						32
33	ROLL-UP DOOR	1.50	20				SPACE	34
35	WALL HEATER(S)	2.50	30		20	1.50	ROLL-UP DOOR	36
37			2		60	11.59	COMPACTOR (10HP)	38
39	WALL HEATER(S)	3.00	30					40
41			2		3			42

REMARKS: .

CONNECTED LOAD: 37.2 KVA 103 AMPS
DEMAND LOAD: 40.5 KVA 112 AMPS

PANEL HP1A LOAD CALCULATIONS

SERVICE	KVA LOAD		FACTOR	NEC REF.		DEMAND LOAD
LIGHTING	5.23	X	1.25	220.19(A)(1)	=	6.54
RECEPTS TO 10KW	10.00	X	1.00	220.44	=	10.00
RECEPTS OVER 10KW	1.88	X	0.50	220.44	=	.94
MOTORS (LARGEST)	11.59	X	1.25	430.24	=	14.49
MOTORS	3.00	X	1.00	430.24	=	3.00
KITCHEN EQUIP.	-	X	1.00	220.56	=	-
WELDERS	-	X	1.00	630.11(B)	=	-
AIR CONDITIONING	-	X	1.00	220.50	=	-
ELECTRIC HEAT	5.50	X	1.00	220.51	=	5.50
MISCELLANEOUS	-	X	1.00		=	-
TOTAL CONNECTED	37.2 KVA (103 AMPS)			TOTAL DEMAND		40.5 KVA (112 AMPS)

SURFACE MOUNTING
22,000 AIC

PANEL SCHEDULE

NO. **HP2** | LOCATION: LEVEL 4 | SERVING: EQUIPMENT | 120/208 VOLTS 3PHASE 4WIRE 100 AMPS WITH MAIN LUGS

CKT NO.	LOAD DESCRIPTION	KVA	TRIP AMPS		TRIP AMPS	KVA	LOAD DESCRIPTION	CKT NO.
1	LEVEL 3 - RECEPTACLES	.90	20		20	.36	ROOF RECEPTACLES	2
3	LEVEL 3 - RECEPTACLES	.72			20	.36	ROOF RECEPTACLES	4
5	LEVEL 3 - RECEPTACLES	.72			15	1.29	ERV-2	6
7	LEVEL 4 - RECEPTACLES	.90			2			8
9	LEVEL 4 - RECEPTACLES	.72			15	1.29	ERV-3	10
11	LEVEL 4 - RECEPTACLES	.72			2			12
13	LEVEL 5 - RECEPTACLES	.90			20	.92	LEVEL 3 - LIGHTING	14
15	LEVEL 5 - RECEPTACLES	.72				.92	LEVEL 4 - LIGHTING	16
17	LEVEL 5 - RECEPTACLES	.72				.92	LEVEL 5 - LIGHTING	18
19	SPARE					.41	STAIR 1/ROOF - LIGHTING	20
21							SPARE	22
23							SPARE	24
25					20		SPARE	26
27	SPARE		20				SPACE	28
29	SPACE							30
31								32
33								34
35								36
37								38
39								40
41	SPACE						SPACE	42

REMARKS: .

CONNECTED LOAD: 13.5 KVA 37 AMPS
DEMAND LOAD: 14.6 KVA 41 AMPS

PANEL HP2 LOAD CALCULATIONS

SERVICE	KVA LOAD		FACTOR	NEC REF.		DEMAND LOAD
LIGHTING	3.17	X	1.25	220.19(A)(1)	=	3.96
RECEPTS TO 10KW	7.74	X	1.00	220.44	=	7.74
RECEPTS OVER 10KW	-	X	0.50	220.44	=	-
MOTORS (LARGEST)	1.29	X	1.25	430.24	=	1.61
MOTORS	1.29	X	1.00	430.24	=	1.29
KITCHEN EQUIP.	-	X	1.00	220.56	=	-
WELDERS	-	X	1.00	630.11(B)	=	-
AIR CONDITIONING	-	X	1.00	220.50	=	-
ELECTRIC HEAT	-	X	1.00	220.51	=	-
MISCELLANEOUS	-	X	1.00		=	-
TOTAL CONNECTED	13.5 KVA (37 AMPS)			TOTAL DEMAND		14.6 KVA (41 AMPS)

SURFACE MOUNTING
22,000 AIC

PANEL SCHEDULE

NO. **EP1** | LOCATION: GENERATOR 107 | SERVING: GENERATOR LOADS | 120/208 VOLTS 3PHASE 4WIRE 400 AMPS WITH 300 MAIN BREAKER

CKT NO.	LOAD DESCRIPTION	KVA	TRIP AMPS		TRIP AMPS	KVA	LOAD DESCRIPTION	CKT NO.
1	RECEPTACLE	.18	20		20	.10	LIGHTS	2
* 3	DAS EQUIPMENT	1.00			60	10.20	PANEL EL1	4
* 5	DAS EQUIPMENT	1.00						6
7	GEN. BATTERY CHARGER	.50			3			8
9	GEN. BLOCK HEATER	1.50			20	1.00	FIRE ALARM	10 *
11	SPARE				20		SPARE	12
13	SPARE		20				SPACE	14
15	SPACE							16
17								18
19								20
21								22
23	SPACE						SPACE	24
25	ELEVATOR #2	48.96	200		30		TVSS	26
27								28
29			3		3			30

REMARKS: .

CONNECTED LOAD: 64.4 KVA 179 AMPS
DEMAND LOAD: 76.9 KVA 214 AMPS

* PROVIDE CIRCUIT BREAKER HANDLE LOCK.

PANEL EP1 LOAD CALCULATIONS

SERVICE	KVA LOAD		FACTOR	NEC REF.		DEMAND LOAD
LIGHTING	.80	X	1.25	220.19(A)(1)	=	1.00
RECEPTS TO 10KW	.72	X	1.00	220.44	=	.72
RECEPTS OVER 10KW	-	X	0.50	220.44	=	-
MOTORS (LARGEST)	48.96	X	1.25	430.24	=	61.20
MOTORS	8.74	X	1.00	430.24	=	8.74
KITCHEN EQUIP.	-	X	1.00	220.56	=	-
WELDERS	-	X	1.00	630.11(B)	=	-
AIR CONDITIONING	-	X	1.00	220.50	=	-
ELECTRIC HEAT	1.50	X	1.00	220.51	=	1.50
MISCELLANEOUS	3.70	X	1.00		=	3.70
TOTAL CONNECTED	64.4 KVA (179 AMPS)			TOTAL DEMAND		76.9 KVA (214 AMPS)

SURFACE MOUNTING
42,000 AIC

PANEL SCHEDULE

NO. **EVP1** | LOCATION: ELECT. 108 | SERVING: EV CHARGERS | 120/208 VOLTS 3PHASE 4WIRE 600 AMPS WITH MAIN LUGS

CKT NO.	LOAD DESCRIPTION	KVA	TRIP AMPS		TRIP AMPS	KVA	LOAD DESCRIPTION	CKT NO.
1	EV CHARGER	9.98	60		60	9.98	EV CHARGER	2
3			2		2			4
5	EV CHARGER	9.98	60		60	9.98	EV CHARGER	6
7			2		2			8
9	EV CHARGER	9.98	60		50	8.32	EV RECEPTACLE	10
11			2		2			12
13	EV CHARGER	9.98	60		50	8.32	EV RECEPTACLE	14
15			2		2			16
17	EV CHARGER	9.98	60		50	8.32	EV RECEPTACLE	18
19			2		2			20
21	EV RECEPTACLE	8.32	50		50	8.32	EV RECEPTACLE	22
23			2		2			24
25	EV RECEPTACLE	8.32	50		50	8.32	EV RECEPTACLE	26
27			2		2			28
29	EV RECEPTACLE	8.32	50		50	8.32	EV RECEPTACLE	30
31			2		2			32
33	EV RECEPTACLE	8.32	50				SPACE	34
35			2				SPACE	36
37	SPACE				30		TVSS	38
39	SPACE							40
41	SPACE				3			42

REMARKS: .

CONNECTED LOAD: 153.1 KVA 425 AMPS
DEMAND LOAD: 191.3 KVA 531 AMPS

PANEL EVP1 LOAD CALCULATIONS

SERVICE	KVA LOAD		FACTOR	NEC REF.		DEMAND LOAD
LIGHTING	-	X	1.25	220.19(A)(1)	=	-
RECEPTS TO 10KW	-	X	1.00	220.44	=	-
RECEPTS OVER 10KW	-	X	0.50	220.44	=	-
MOTORS (LARGEST)	-	X	1.25	430.24	=	-
MOTORS	-	X	1.00	430.24	=	-
KITCHEN EQUIP.	-	X	1.00	220.56	=	-
EV CHARGERS	153.06	X	1.25		=	191.33
AIR CONDITIONING	-	X	1.00	220.50	=	-
ELECTRIC HEAT	-	X	1.00	220.51	=	-
MISCELLANEOUS	-	X	1.00		=	-
TOTAL CONNECTED	153.1 KVA (425 AMPS)			TOTAL DEMAND		191.3 KVA (531 AMPS)

SURFACE MOUNTING
42,000 AIC

PANEL SCHEDULE

NO. **EVP2** | LOCATION: ELECT. 108 | SERVING: EV CHARGERS | 120/208 VOLTS 3PHASE 4WIRE 400 AMPS WITH MAIN LUGS

CKT NO.	LOAD DESCRIPTION	KVA	TRIP AMPS		TRIP AMPS	KVA	LOAD DESCRIPTION	CKT NO.
1	EV RECEPTACLE	8.32	50		50	8.32	EV RECEPTACLE	2
3			2		2			4
5	EV RECEPTACLE	8.32	50		50	8.32	EV RECEPTACLE	6
7			2		2			8
9	EV RECEPTACLE	8.32	50		50	8.32	EV RECEPTACLE	10
11			2		2			12
13	EV RECEPTACLE	8.32	50		50	8.32	EV RECEPTACLE	14
15			2		2			16
17	SPACE						SPACE	18
19								20
21								22
23								24
25								26
27								28
29								30
31								32
33								34
35							SPACE	36
37					30		TVSS	38
39								40
41	SPACE				3			42

REMARKS: .

CONNECTED LOAD: 66.6 KVA 185 AMPS
DEMAND LOAD: 83.2 KVA 231 AMPS

PANEL EVP2 LOAD CALCULATIONS

SERVICE	KVA LOAD		FACTOR	NEC REF.		DEMAND LOAD
LIGHTING	-	X	1.25	220.19(A)(1)	=	-
RECEPTS TO 10KW	-	X	1.00	220.44	=	-
RECEPTS OVER 10KW	-	X	0.50	220.44	=	-
MOTORS (LARGEST)	-	X	1.25	430.24	=	-
MOTORS	-	X	1.00	430.24	=	-
KITCHEN EQUIP.	-	X	1.00	220.56	=	-
EV CHARGERS	66.56	X	1.25		=	83.20
AIR CONDITIONING	-	X	1.00	220.50	=	-
ELECTRIC HEAT	-	X	1.00	220.51	=	-
MISCELLANEOUS	-	X	1.00		=	-
TOTAL CONNECTED	66.6 KVA (185 AMPS)			TOTAL DEMAND		83.2 KVA (231 AMPS)

SURFACE MOUNTING
10,000 AIC

PANEL SCHEDULE

NO. **EL1** | LOCATION: ELEV. ROOM | SERVING: EQUIPMENT | 120/208 VOLTS 3PH 4WIRE 60 AMPS WITH MAIN LUGS

CKT NO.	LOAD DESCRIPTION	KVA	TRIP AMPS		TRIP AMPS	KVA	LOAD DESCRIPTION	CKT NO.
1	SHUNT TRIP COIL #1	.10	20		20	.10	ELEV. PIT LIGHTS	2
3	SHUNT TRIP COIL #2	.10			20	.36	ELEV. PIT RECEPTACLES	4
5	ELEV. ROOM LIGHTS	.10			20	3.96	SUMP PUMP (SP-1)	6
7	ELEV. ROOM RECEPTACLES	.18						8
9	CAB LIGHTS	.50			3			10
11	SPARE		20				SPACE	12
13	HP-3A/3B	4.78	30				SPACE	14
15			2				SPACE	16

REMARKS: .

CONNECTED LOAD: 10.2 KVA 28 AMPS
DEMAND LOAD: 11.6 KVA 32 AMPS

PANEL EL1 LOAD CALCULATIONS

SERVICE	KVA LOAD		FACTOR	NEC REF.		DEMAND LOAD
LIGHTING	.70	X	1.25	210.19(A)(1)	=	.88
RECEPTS TO 10KW	.54	X	1.00	220.44	=	.54
RECEPTS OVER 10KW	-	X	0.50	220.44	=	-
MOTORS (LARGEST)	4.78	X	1.25	430.24	=	5.98
MOTORS	3.96	X	1.00	430.24	=	3.96
KITCHEN EQUIP.	-	X	1.00	220.56	=	-
WELDERS	-	X	1.00	630.11(B)	=	-
AIR CONDITIONING	-	X	1.00	220.50	=	-
ELECTRIC HEAT	-	X	1.00	220.51	=	-
MISCELLANEOUS	.20	X	1.00		=	.20
TOTAL CONNECTED	10.2 KVA (28 AMPS)			TOTAL DEMAND		11.6 KVA (32 AMPS)

PERMIT SET

CROSS ENGINEERS, INC
923 Martin Luther King Jr. Way
Tacoma, WA 98405
Phone: (253) 759-0118
Job Number: 25-162
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PUYALLUP BELL PLACE
204 4TH ST SW
PUYALLUP, WA 98371

ELECTRICAL SCHEDULES

REVISIONS:

STEVEN L. HUBBS — STATE OF WASHINGTON — 0029060 — REGISTERED PROFESSIONAL ENGINEER
5/18/26

SCALE:	AS NOTED
DATE:	3-18-2026
DRAWN BY:	JAE
CHECKED BY:	SLH
JOB NO.:	25-162
SHEET	E502
OF	- -

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MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE

ITEM	DESCRIPTION	LOCATION	VOLTS	PHASE	HP / KW	MIN. CIRCUIT AMPS	DISC. SWITCH	FUSES	MAGNETIC STARTER	FEEDER	CIRCUIT NUMBER	NOTES
BP 1	BOOSTER PUMP	LEVEL 1	208	3	(2)10 / -	64.4	3P100	90	-	1-1/2"C-4#1 AL & 1#6 AL GRD	HP1-20, 22,24	
CC 1A	HEAT PUMP INDOOR UNIT	LEVEL 1	208	1	- / -	1	(1)	-	-	3/4"C-2#12 CU & 1#12 CU GRD	HP1-10,12	
CC 1B	HEAT PUMP INDOOR UNIT	LEVEL 1	208	1	- / -	1	(1)	-	-	3/4"C-2#12 CU & 1#12 CU GRD	HP1-10,12	
CC 2A	HEAT PUMP INDOOR UNIT	LEVEL 1	208	1	- / -	1	(1)	-	-	3/4"C-2#12 CU & 1#12 CU GRD	HP1-10,12	
CC 2B	HEAT PUMP INDOOR UNIT	LEVEL 1	208	1	- / -	1	(1)	-	-	3/4"C-2#12 CU & 1#12 CU GRD	HP1-10,12	
DH 1	DUCT HEATER	LEVEL 1	208	1	- / 7.00	33.6	2P60	50	-	1"C-2#6 CU & 1#10 CU GRD	HP1-1,3	
DH 2	DUCT HEATER	LEVEL 1	208	1	- / 3.50	16.8	2P30	25	-	3/4"C-2#10 CU & 1#10 CU GRD	HP1-5,7	
DH 3	DUCT HEATER	LEVEL 1	208	1	- / 3.50	16.8	2P30	25	-	3/4"C-2#10 CU & 1#10 CU GRD	HP1-9,11	
EF 1	EXHAUST FAN	LEVEL 1	208	1	1/6 / -	2	(1)	-	-	3/4"C-2#12 CU & 1#12 CU GRD	HP1-13,15	
ERV 1	ENERGY RECOV. VENTILATOR	LEVEL 1	208	1	- / -	3.9	(1)	-	-	3/4"C-2#12 CU & 1#12 CU GRD	HP1-13,15	
ERV 2	ENERGY RECOV. VENTILATOR	ROOF	208	1	- / -	6.2	(1)	-	-	3/4"C-2#12 CU & 1#12 CU GRD	HP2-6,8	
ERV 3	ENERGY RECOV. VENTILATOR	ROOF	208	1	- / -	6.2	(1)	-	-	3/4"C-2#12 CU & 1#12 CU GRD	HP2-10,12	
HP 1	HEAT PUMP OUTDOOR UNIT	LEVEL 1	208	1	- / -	21.7	2P60	40	-	1"C-2#6 CU & 1#10 CU GRD	HP1-2,4	
HP 2	HEAT PUMP OUTDOOR UNIT	LEVEL 1	208	1	- / -	21.7	2P60	40	-	1"C-2#6 CU & 1#10 CU GRD	HP1-6,8	
HP 3A	HEAT PUMP INDOOR UNIT	ELEV. ROOM	208	1	- / -	1	(1)	-	-	- / -	(3)	
HP 3B	HEAT PUMP OUTDOOR UNIT	ROOF	208	1	- / -	23	2P30 NEMA 3R	30	-	3/4"C-2#10 CU & 1#10 CU GRD	EL1-13,15	
SP 1	SUMP PUMP	LEVEL 1	208	3	3 / -	11	3P30	20	-	3/4"C-3#10 CU & 1#10 CU GRD	EL1-6,8,10	
UH 1A	UNIT HEATER	LEVEL 1	208	1	- / 3.00	14.4	2P30	25	-	3/4"C-2#10 CU & 1#10 CU GRD	HP1-17,19	
UH 1B	UNIT HEATER	LEVEL 1	208	1	- / 3.00	14.4	2P30	25	-	3/4"C-2#10 CU & 1#10 CU GRD	HP1-21,23	
WH 1	WATER HEATER	LEVEL 1	208	1	- / 3.00	14	2P30	25	-	3/4"C-2#10 CU & 1#10 CU GRD	HP1-25,27	
WH 4	WATER HEATER	LEVEL 1	208	1	- / 4.16	20	2P30	30	-	3/4"C-2#10 CU & 1#10 CU GRD	HP1-14,16	

MECHANICAL EQUIPMENT CONNECTION SCHEDULES NOTES:

(1) PROVIDE 20A MOTOR RATED TOGGLE SWITCH

(2) QUANTITY OF (16).

(3) INDOOR UNIT (HP-XA) POWERED FROM CORRESPONDING OUTDOOR UNIT (HP-XB). PROVIDE POWER AND CONTROL WIRING BETWEEN UNITS PER MANUFACTURER REQUIREMENTS.

NETWORKED LIGHTING CONTROL SCHEDULE

ROOM NUMBER	I/O CONTROLLER ID	TYPE OF CONTROL					REMARKS
		OCCUPANCY SENSOR	PHOTO SENSOR	DIMMING	SWITCHING		
100	a	N	N	N	O		(2) (4)
101	a	Y	Y	Y	D		(1) (3) (5) (6)
	b	Y	N	Y	D		(1) (3)
	c	Y	N	Y	D		(1) (3)
102	a	Y	Y	Y	D		(2) (3) (6)
	b	Y	Y	Y	D		(2) (3) (6)
	c	Y	N	Y	D		(2) (3) (7)
104	a	N	N	N	O		(2) (4)
110	a	N	N	N	O		(2) (4)
CORRIDOR LEVEL 2	a	Y	N	Y	D		(1) (3)
CORRIDOR LEVEL 3	a	Y	N	Y	D		(1) (3)
CORRIDOR LEVEL 4	a	Y	N	Y	D		(1) (3)
CORRIDOR LEVEL 5	a	Y	N	Y	D		(1) (3)
EXTERIOR	a	N	N	N	N/A		(8)
LEVEL 1	b	N	N	N	N/A		(8)
	c	N	N	N	N/A		(8)
EXTERIOR LEVEL 2	a	N	N	N	N/A		(8)
	b	N	N	N	N/A		(8)
EXTERIOR ROOF	a	N	N	N	N/A		(8)

GENERAL NOTES:

1. LIGHTING CONTROLS SHALL BE WIRELESS WAVELINX, SENSORWORX, LEVITON, OR LUTRON.
2. FOR ALL DIMMING SWITCHES WHEN ROOM LIGHTS ARE TURNED OFF LIGHTS SHALL REVERT BACK TO FULL-ON WHEN TURNED BACK ON.

NOTES:

(1) LIGHTS SHALL BE ON 24 HOURS AND CONTROLLED BY OCCUPANCY SENSORS. WHEN NO OCCUPANCY IS DETECTED AFTER 30 MINUTES LIGHTS SHALL DIM TO 50% LIGHT OUTPUT. WHEN OCCUPANCY IS DETECTED LIGHTS SHALL INCREASE TO 100% LIGHT OUTPUT.

(2) LIGHTS SHALL TURN OFF AFTER 30 MINUTES OF OCCUPANCY SENSOR NOT DETECTING AN OCCUPANT. LIGHTS SHALL BE MANUAL ON VIA LIGHT SWITCH.

(3) PROVIDE MASTER OVERRIDE FOR CORRIDOR/COMMON AREAS LOCATED IN MAIN ELECTRICAL ROOM.

(4) LIGHTS SHALL BE ON 24 HOURS.

(5) LIGHTS CONTROLLED BY DAYLIGHT PHOTOSENSOR. LIGHTS SHALL DIM TO MAINTAIN 30 FOOTCANDLE AVERAGE WITHIN ROOM BASED ON DAYLIGHT.

(6) PRIMARY DAYLIGHT ZONE.

(7) SECONDAY DAYLIGHT ZONE.

(8) CONTROLLED VIA ASTRONOMICAL TIME CLOCK. LIGHTS PROGRAMMED TO BE ON FROM 1 HOUR BEFORE DUSK TO 1 HOUR AFTER DAWN.

LEGEND:

Y = YES
N = NO
O = ON/OFF
D = DIMMING
N/A = NOT APPLICABLE

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