



PROJECT: NEW CONSTRUCTION TACO TIME 1115 EAST MAIN STREET PUYALLUP, WA 98372

Table with 2 columns: REVISIONS, 1 ADDENDUM #1 2023.12.22

DATE: 7.1.2022 BCR#NO: 19110.00.00 DRAWN BY: REVIEWED BY: SHEET TITLE: COVER

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G-101 PERMIT SET

# TACO TIME PUYALLUP

## 1115 EAST MAIN STREET PUYALLUP, WA 98372 PERMIT SET - 7.1.2022

City of Puyallup Development Engineering APPROVED  
See permit for additional requirements.  
Linda Lian 09/28/2023 2:29:01 PM

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

Trash enclosure will adhere to City Standard 208 Pollution Prevention  
A grade break shall be provided around the trash enclosure to prevent runoff from entering the enclosure  
Stormwater control of the trash enclosure's roof downspouts must be controlled. See civil permit PRCCP20231136

The applicant shall request a sediment control and erosion inspection with a City Engineering Inspector through the CityView portal least 48 hours in advance of job start. See City Standards 02.03.02 & 05.02.01  
Refer to approved civil plan: PRCCP20231136 for sedimentation and erosion control methods  
Refer to approved civil plan: PRCCP20231136 for roof downspout control methods

In accordance to Puyallup Municipal Code 14.02.220(3) this project is required to install a double detector check valve assembly (DDCAV). Building occupancy will not be granted until the installation is completed and a final approval granted.  
Call Before You Dig. It's the law. Dial 811 or call 1-800-424-5555.  
The applicant is responsible to schedule all utility inspections prior to backfilling.  
The proposed retaining wall requires a separate building permit

### PROJECT TEAM

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### PROJECT INFORMATION

DESCRIPTION	CONSTRUCTION OF NEW TACO TIME WITH DRIVE THRU ON EXISTING SITE.
SITE ADDRESS	EAST MAIN STREET PUYALLUP, WA 98372
LEGAL DESCRIPTION	Section 27 Township 20 Range 04 Quarter 13 SPINNINGS FRANK R REPLAT PARCEL '2' OF DBLR 2003-05-28-5004 DESC AS FOLL S 163.57 FT OF E 124.08 FT OF L 4 & S 163.57 FT OF W 93.01 FT OF L 5 SUBJ TO & TOG/W EASE, RESTRICT & RESERV OF REC OUT OF 003-1, 0 RTSQQ.
PARCEL NUMBERS	7845100032
ZONING	CG
JURISDICTION	CITY OF PUYALLUP
PROJECT SITE AREA	0.82 ACRES
UTILITY PURVEYORS	SEWER: WATER: ELECTRIC: GAS:
CODES UTILIZED	2018 INTERNATIONAL EXISTING BUILDING CODE W WAC AMMENDMENTS 2018 UNIFORM PLUMBING CODE 2018 INTERNATIONAL MECHANICAL CODE 2018 INTERNATIONAL FUEL GAS CODE 2018 NATIONAL ELECTRIC CODE 2018 INTERNATIONAL ENERGY CONSERVATION CODE W/ WAC AMMENDMENTS CITY OF PUYALLUP
USE	COMMERCIAL
OCCUPANCY TYPE	A-2 ASSEMBLY
CONSTRUCTION TYPE	VB
SPRINKLERED	NO
NUMBER OF STORIES	1
BUILDING HEIGHT	23'-0" HEIGHT (40'-0" ALLOWED)
BUILDING AREA	2,975 SF (6,000 SF ALLOWED)

### PROJECT GENERAL NOTES

- ALL CONSTRUCTION SHALL COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE, THE AMERICANS WITH DISABILITIES ACT, AND ALL APPLICABLE LOCAL CODES, ORDINANCES, AND STANDARDS.
- DO NOT SCALE DRAWINGS. DIMENSIONS GOVERN. THE CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
- WHERE CONSTRUCTION DETAILS ARE NOT SHOWN OR NOTED FOR ANY PART OF THE WORK, THE DETAILS SHALL BE THE SAME AS FOR OTHER SIMILAR WORK. IF QUESTIONS CANNOT BE RESOLVED IN THIS MANNER, CONTACT THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
- AN APPROVED PUBLIC SAFETY KEY BOX SHALL BE INSTALLED ADJACENT THE MAIN ENTRANCE AND SHALL BE CLEARLY VISIBLE, MOUNTED WITHIN SIX FEET OF THE GRADE, AND APPROVED BY THE LOCAL JURISDICTION. THE KEY BOX SHALL CONTAIN KEYS THAT OPERATE THE ELEVATOR RECALL AND EMERGENCY OVERRIDE SYSTEMS. KEYS SHALL BE CLEARLY MARKED AS FOR WHAT DOOR, ROOM, AREA OR LOCK THEY SERVE. THE KEY BOX SHALL CONTAIN KEYS TO OPEN DOORS OR OTHER ACCESS MEANS AT THE FOLLOWING LOCATIONS:
  - THE MAIN ENTRANCE
  - ROOMS CONTAINING CONTROL VALVES FOR AUTOMATIC SPRINKLER SYSTEMS
  - ROOMS CONTAINING FIRE ALARM SYSTEM CONTROL PANELS
  - ROOMS CONTAINING ELEVATOR EQUIPMENT
  - ROOMS CONTAINING MAIN ELECTRICAL SERVICES PANELS
- WHERE DEVICES OR ITEMS OR PARTS THEREOF ARE REFERRED TO IN SINGULAR IT IS INTENDED THAT SUCH SHALL APPLY TO AS MANY SUCH DEVICES, ITEMS OR PARTS AS ARE REQUIRED TO PROPERLY COMPLETE THE WORK.
- FIELD MEASURE AND CONFIRM DIMENSIONS FOR OWNER PROVIDED EQUIPMENT AND FURNISHINGS.
- PROVIDE STIFFENERS, BRACING, BACKING PLATES AND BLOCKING REQUIRED FOR SECURE INSTALLATION OF GRAB BARS, DOORS AND DOOR HARDWARE INCLUDING WALL-MOUNTED DOOR STOPS, HANDRAILS, WALL-MOUNTED SHELVES, MISCELLANEOUS EQUIPMENT, AND SUSPENDED MECHANICAL AND ELECTRICAL EQUIPMENT.
- COORDINATE AND PROVIDE ALL BASE AND HOUSEKEEPING PADS FOR MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT.
- LOCATE ACCESS DOORS IN ACCORDANCE WITH APPLICABLE CODES. SUBMIT PROPOSED LOCATIONS TO THE ARCHITECT FOR REVIEW AND ACCEPTANCE PRIOR TO INSTALLATION.
- FINISH FLOOR ELEVATIONS ARE TO TOP OF CONCRETE AND TOPPING SLAB UNLESS OTHERWISE NOTED.
- COORDINATE EXACT SIZE AND PLACEMENT OF EQUIPMENT BEING PROVIDED.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING FOR THE BUILDING STRUCTURE AND STRUCTURAL COMPONENTS UNTIL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
- FIRE BLOCKING AND SMOKE BARRIERS SHALL BE INSTALLED IN ACCORDANCE WITH THE 2018 INTERNATIONAL BUILDING CODE.
- ARCHAEOLOGICAL MONITORING REQUIRED FOR SITE LOCATION WITHIN A HIGH PROBABILITY AREA FOR IMPACTING CULTURAL RESOURCES. GC TO COORDINATE ARCHAEOLOGICAL MONITORING DURING GROUND DISTURBANCE. AS PER RESPONSE TO THE DESIGN REVIEW, THE PROPERTY OWNER HAS AGREED TO THESE CONDITIONS.
- REFER TO THE UPDATED GEORESOURCES SOILS REPORT FROM 2/3/2023 FOR MORE INFORMATION ON SOILS RECOMMENDATIONS AND THE FEASIBILITY OF STORMWATER INFILTRATION.

### AIR BARRIER COMPLIANCE

- PERFORMANCE OF BUILDING AIR BARRIER COMPONENTS SHALL MEET THE AIR LEAKAGE REQUIREMENTS OF THE 2018 WSEC SECTION C402.4. THE BUILDING ENVELOPE SHALL BE TESTED ACCORDING TO THE REQUIREMENTS OF WSEC C402.5.1.2 AND AIR LEAKAGE SHALL NOT EXCEED 0.25 CFM/FT AT A PRESSURE DIFFERENTIAL OF 0.3" WATER GAUGE. A REPORT INCLUDING TESTED SURFACE AREA, FLOOR AREA, AIR BY VOLUME, STORIES ABOVE GRADE, AND AIR LEAKAGE RATES SHALL BE SUBMITTED TO THE BUILDING OWNER AND TO THE BUILDING OFFICIAL.
- INSTALL CONTINUOUS AIR BARRIER SYSTEM OVER THE ENTIRE EXTERIOR ENVELOPE (ROOFS, WALLS, AND FLOOR) SEPARATING THE INTERIOR CONDITIONED AIR FROM THE EXTERIOR UNCONDITIONED AIR WITH AN AIR LEAKAGE RATE NOT EXCEEDING 0.25 CFM/SF TO EXTERIOR ENVELOPE AREA AT 75 PA OR 0.3 W.G. THE CONTINUOUS BUILDING AIR BARRIER SYSTEM INCLUDES AIR TIGHT CONNECTIONS TO ANY PENETRATIONS, WINDOWS, DOORS, LOUVERS, AND BETWEEN ADJACENT DIFFERENT TYPES OF AIR BARRIER PENETRATIONS SHALL COMPLY WITH C402.5.1.

### WSEC SECTION C406 EFFICIENCY PACKAGES

1. MORE EFFICIENT HVAC PERFORMANCE IN ACCORDANCE WITH C406.2	CREDITS EARNED: 2.0
2. REDUCED LIGHTING POWER (OPTION 2) IN ACCORDANCE WITH C406.3.2	4.0
REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR MORE INFORMATION ON HOW SPECIFIC STANDARDS WILL BE MET.	6.0 TOTAL

### SEPARATE / DEFERRED SUBMITTALS

SEPARATE: CIVIL LANDSCAPE SIGNAGE	DEFERRED:
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### ARCHITECTURAL SYMBOLS

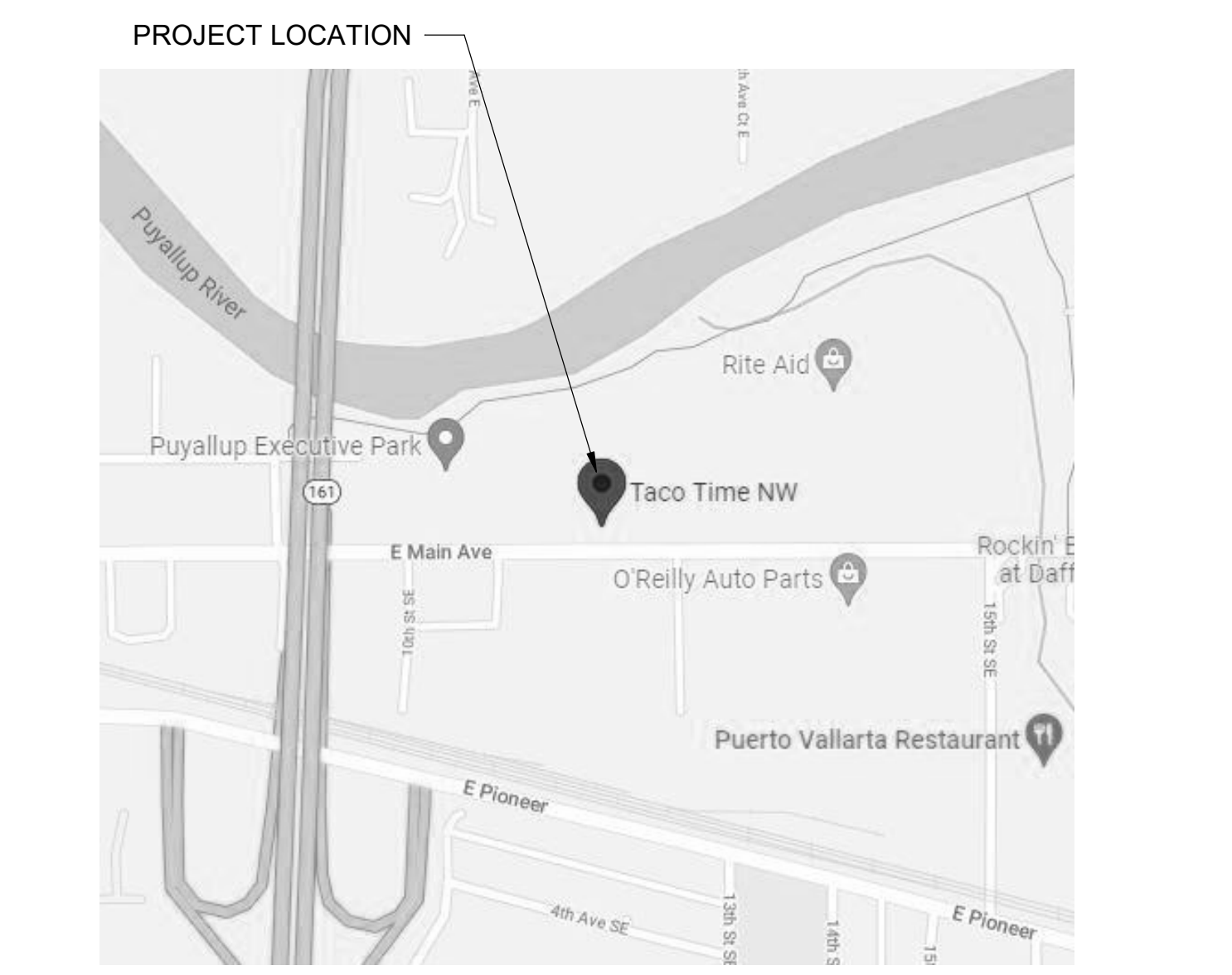
ARCHITECTURAL SYMBOLS

PLAN NORTH, TRUE NORTH, GRAPHIC SCALE (1/8" = 1'-0"), BUILDING SECTION, WALL SECTION, EXTERIOR ELEVATION, ROOM NAME/NUMBER, CEILING HEIGHT, DATUM POINT, ELEVATION MARKER, DETAIL CALLOUT - SECTION, DETAIL CALLOUT - PLAN, DOOR NUMBER CALLOUT, ROOM NAME/NUMBER, CEILING HEIGHT, DATUM POINT, ELEVATION MARKER, CENTER LINE, CUT LINE, SLOPE INDICATOR, WALL TYPE CALLOUT, ROOF TYPE CALLOUT, FLOOR/CEILING TYPE CALLOUT, STOREFRONT TYPE CALLOUT, SHEET NOTE - DEMOLITION, SHEET NOTE, REVISION

### ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	LL	LANDLORD
B.O.	BOTTOM OF	MAX	MAXIMUM
CG	CORNER GUARD	MDF	MEDIUM DENSITY FIBERBOARD
DS	DOWNSPOUT	MIN	MINIMUM
EQ	EQUAL	O.C.	ON CENTER
FV	FIELD VERIFY	OCC	OCCUPANT / OCCUPANCY
GA	GAUGE	SF	SQUARE FOOT / STOREFRONT
GWB	GYPSUM BOARD	T.O.	TOP OF

### VICINITY MAP



### SHEET INDEX

GENERAL	COVER CODE SUMMARY ADA ACCESSIBILITY REQUIREMENTS
ARCHITECTURAL	SITE PLAN TRASH ENCLOSURE PLANS AND ELEVATIONS FIRST FLOOR PLAN FINISH & EQUIPMENT PLAN EQUIPMENT SCHEDULE FIRST FLOOR REFLECTED CEILING PLAN ROOF PLAN EXTERIOR ELEVATIONS INTERIOR ELEVATIONS INTERIOR ELEVATIONS INTERIOR ELEVATIONS BUILDING SECTIONS WALL SECTIONS WALL SECTION STOREFRONT DETAILS DOOR DETAILS ENLARGED FLOOR PLANS TRASH ENCLOSURE DETAILS TYPICAL SEQUENCING OF SHEET-APPLIED AIR / WATER BARRIER SYSTEM AT FLANGELESS WINDOW AND LOUVER OPENINGS TYPICAL SEQUENCING OF SHEET-APPLIED AIR / WATER BARRIER SYSTEM AT FLANGELESS WINDOW AND LOUVER OPENINGS CEILING DETAILS ROOF DETAILS ROOF DETAILS EXTERIOR WALL DETAILS INTERIOR DETAILS INTERIOR DETAILS INTERIOR FINISH SCHEDULE DOOR SCHEDULE ASSEMBLY TYPES
STRUCTURAL	GENERAL NOTES AND DRAWING LIST ABBREVIATIONS LIST AND LEGENDS INSPECTION SCHEDULES AND DESIGN CRITERIA FOUNDATION PLAN LOWER ROOF FRAMING PLAN UPPER ROOF FRAMING PLAN TYPICAL CONCRETE DETAILS TYPICAL CONCRETE DETAILS CONCRETE DETAILS TACO TIME CANOPY TACO TIME CANOPY TYPICAL WOOD DETAILS WOOD DETAILS
MECHANICAL	CODE COMPLIANCE, ABBREVIATIONS, NOTES, LEGEND, VICINITY MAP, DRAWING INDEX SCHEDULES SCHEDULES SCHEDULES HVAC PLAN HVAC ROOF PLAN DETAILS SEISMIC RTU CURB DETAILS, CONTROL SEQUENCES MECHANICAL COMMISSIONING
ELECTRICAL	LEGEND & SCHEDULES ELECTRICAL SITE PLAN LIGHTING CALCULATION SITE PLAN POWER / COMM FLOOR PLAN LIGHTING FLOOR PLAN MECHANICAL CONNECTIONS FLOOR PLAN RISER DIAGRAM AND SCHEDULES ARC FLASH CALCULATIONS & LABELS SCHEDULES
PLUMBING	CODE COMPLIANCE, ABBREVIATIONS, NOTES, LEGEND, VICINITY MAP, DRAWING INDEX, SCHEDULES SCHEDULES PLUMBING FOUNDATION PLAN PLUMBING FLOOR PLAN PLUMBING CEILING PLAN NATURAL GAS PIPING FLOOR PLAN PLUMBING ROOF PLAN DETAILS DETAILS, FIXTURE UNIT COUNTS

CODE SUMMARY

CURRENT ADOPTED CODES: 2018 INTERNATIONAL BUILDING CODE (IBC) WITH WAC AMMENDMENTS

303.3 ASSEMBLY GROUP A-2. GROUP A-2 OCCUPANCY INCLUDES ASSEMBLY USES INTENDED FOR FOOD AND/OR DRINK CONSUMPTION INCLUDING, BUT NOT LIMITED TO: BANQUET HALLS, CASINOS (GAMING AREAS), NIGHTCLUBS, RESTAURANTS, CAFETERIAS AND SIMILAR DINING FACILITIES (INCLUDING ASSOCIATED COMMERCIAL KITCHENS), TAVERNS AND BARS

MEANS OF EGRESS 1004.5 AREAS WITHOUT FIXED SEATING. THE NUMBER OF OCCUPANTS SHALL BE COMPUTED AT THE RATE OF ONE OCCUPANT PER UNIT OF AREA AS PRESCRIBED IN TABLE 1004.5. FOR AREAS WITHOUT FIXED SEATING, THE OCCUPANT LOAD SHALL BE NOT LESS THAN THAT NUMBER DETERMINED BY DIVIDING THE FLOOR AREA UNDER CONSIDERATION BY THE OCCUPANT LOAD FACTOR ASSIGNED TO THE FUNCTION OF THE SPACE AS SET FORTH IN TABLE 1004.5.

1004.6 FIXED SEATING. FOR AREAS HAVING FIXED SEATS AND AISLES, THE OCCUPANT LOAD SHALL BE DETERMINED BY THE NUMBER OF FIXED SEATS INSTALLED THEREIN. THE OCCUPANT LOAD FOR AREAS IN WHICH FIXED SEATING IS NOT INSTALLED, SUCH AS WAITING SPACES, SHALL BE DETERMINED IN ACCORDANCE WITH SECTION 1004.5 AND ADDED TO THE NUMBER OF FIXED SEATS.

1004.9 POSTING OF OCCUPANT LOAD. EVERY ROOM OR SPACE THAT IS AN ASSEMBLY OCCUPANCY SHALL HAVE THE OCCUPANT LOAD OF THE ROOM OR SPACE POSTED IN A CONSPICUOUS PLACE, NEAR THE MAIN EXIT OR EXIT ACCESS DOORWAY FROM THE ROOM OR SPACE, FOR THE INTENDED CONFIGURATIONS. POSTED SIGNS SHALL BE OF AN APPROVED LEGIBLE PERMANENT DESIGN AND SHALL BE MAINTAINED BY THE OWNER OR THE OWNER'S AUTHORIZED AGENT.

1005.3.2 OTHER EGRESS COMPONENTS. THE CAPACITY, IN INCHES, OF MEANS OF EGRESS COMPONENTS OTHER THAN STAIRWAYS SHALL BE CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY SUCH COMPONENT BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.2 INCH (5.1 MM) PER OCCUPANT.

1005.5 DISTRIBUTION OF MINIMUM WIDTH AND REQUIRED CAPACITY. WHERE MORE THAN ONE EXIT, OR ACCESS TO MORE THAN ONE EXIT, IS REQUIRED, THE MEANS OF EGRESS SHALL BE CONFIGURED SUCH THAT THE LOSS OF ANY ONE EXIT, OR ACCESS TO ONE EXIT, SHALL NOT REDUCE THE AVAILABLE CAPACITY OR WIDTH TO LESS THAN 50 PERCENT OF THE REQUIRED CAPACITY OR WIDTH.

1006.2.1 EGRESS BASED ON OCCUPANT LOAD AND COMMON PATH OF EGRESS TRAVEL DISTANCE. TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED WHERE THE DESIGN OCCUPANT LOAD OR THE COMMON PATH OF EGRESS TRAVEL DISTANCE EXCEEDS THE VALUES LISTED IN TABLE 1006.2.1. THE CUMULATIVE OCCUPANT LOAD FROM ADJACENT ROOMS, AREAS OR SPACES SHALL BE DETERMINED IN ACCORDANCE WITH SECTION 1004.2

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

1007.1.1.1 MEASUREMENT POINT. THE SEPARATION DISTANCE REQUIRED IN SECTION 1007.1.1 SHALL BE MEASURED IN ACCORDANCE WITH THE FOLLOWING: 1. THE SEPARATION DISTANCE TO EXIT OR EXIT ACCESS DOORWAYS SHALL BE MEASURED TO ANY POINT ALONG THE WIDTH OF THE DOORWAY. 2. THE SEPARATION DISTANCE TO EXIT ACCESS STAIRWAYS SHALL BE MEASURED TO THE CLOSEST RISER. 3. THE SEPARATION DISTANCE TO EXIT ACCESS RAMPS SHALL BE MEASURED TO THE START OF THE RAMP RUN.

DOORS, GATES, AND TURNSTILES 1010.1.9 DOOR OPERATIONS. EXCEPT AS SPECIALLY PERMITTED BY THIS SECTION, EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.

1010.1.9.1 HARDWARE. DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON DOORS REQUIRED TO BE ACCESSIBLE BY CHAPTER 11 SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE.

1010.1.9.2 HARDWARE HEIGHT. DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES SHALL BE INSTALLED 34 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FINISHED FLOOR. LOCKS USED ONLY FOR SECURITY PURPOSES AND NOT USED FOR NORMAL OPERATION ARE PERMITTED AT ANY HEIGHT.

1010.1.9.4 LOCKS AND LATCHES. LOCKS AND LATCHES SHALL BE PERMITTED TO PREVENT OPERATION OF DOORS WHERE ANY OF THE FOLLOWING EXIST: 2. IN BUILDINGS IN OCCUPANCY GROUP A HAVING AN OCCUPANT LOAD OF 300 OR LESS, GROUPS B, F, M AND S, AND IN PLACES OF RELIGIOUS WORSHIP, THE MAIN DOOR OR DOORS ARE PERMITTED TO BE EQUIPPED WITH KEY-OPERATED LOCKING DEVICES FROM THE EGRESS SIDE PROVIDED: 2.1. THE LOCKING DEVICE IS READILY DISTINGUISHABLE AS LOCKED. 2.2. A READILY VISIBLY DURABLE SIGN IS POSTED ON THE EGRESS SIDE ON OR ADJACENT TO THE DOOR STATING: "THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED". THIS SIGN SHALL BE IN LETTERS 1 INCH HIGH ON A CONTRASTING BACKGROUND. 2.3. THE USE OF THE KEY-OPERATED LOCKING DEVICE IS REVOCABLE BY THE BUILDING OFFICIAL FOR DUE CAUSE. 3. WHERE EGRESS DOORS ARE USED IN PAIRS, APPROVED AUTOMATIC FLUSH BOLTS SHALL BE PERMITTED TO BE USED, PROVIDED THAT THE DOOR LEAF HAVING THE AUTOMATIC FLUSH BOLTS DOES NOT HAVE A DOORKNOB OR SURFACE-MOUNTED HARDWARE.

EXIT SIGNS 1013.1 WHERE REQUIRED. EXITS AND EXIT ACCESS DOORS SHALL BE MARKED BY AN APPROVED EXIT SIGN READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL. THE PATH OF EGRESS TRAVEL TO EXITS AND WITHIN EXITS SHALL BE MARKED BY READILY VISIBLE EXIT SIGNS TO CLEARLY INDICATE THE DIRECTION OF EGRESS TRAVEL IN CASES WHERE THE EXIT OR THE PATH OF EGRESS TRAVEL IS NOT IMMEDIATELY VISIBLE TO THE OCCUPANTS. INTERVENING MEANS OF EGRESS DOORS WITHIN EXITS SHALL BE MARKED BY EXIT SIGNS. EXIT SIGN PLACEMENT SHALL BE SUCH THAT NO POINT IN AN EXIT ACCESS CORRIDOR OR EXIT PASSAGEWAY IS MORE THAN 100 FEET OR THE LISTED VIEWING DISTANCE FOR THE SIGN, WHICHEVER IS LESS, FROM THE NEAREST VISIBLE EXIT SIGN. EXCEPTIONS: 2. MAIN EXTERIOR EXIT DOORS OR GATES THAT ARE OBVIOUSLY AND CLEARLY IDENTIFIABLE AS EXITS NEED NOT HAVE EXIT SIGNS WHERE APPROVED BY THE BUILDING OFFICIAL.

1013.3 ILLUMINATION. EXIT SIGNS SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED EXCEPTION: 1. TACTILE SIGNS REQUIRED BY SECTION 1013.4 NEED NOT BE PROVIDED WITH ILLUMINATION.

1013.4 RAISED CHARACTER AND BRAILLE EXIT SIGNS. A SIGN STATING EXIT IN VISUAL CHARACTERS, RAISED CHARACTERS AND BRAILLE AND COMPLYING WITH ICC A117.1 SHALL BE PROVIDED ADJACENT TO EACH DOOR TO AN AREA OF REFUGE, PROVIDING DIRECT ACCESS TO A STAIRWAY, AN EXTERIOR AREA FOR ASSISTED RESCUE, AN EXIT STAIRWAY OR RAMP, AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE.

1017.2 LIMITATIONS. EXIT ACCESS TRAVEL DISTANCE SHALL NOT EXCEED THE VALUES GIVEN IN TABLE 1017.2.

1017.3 MEASUREMENT. EXIT ACCESS TRAVEL DISTANCE SHALL BE MEASURED FROM THE MOST REMOTE POINT OF EACH ROOM, AREA OR SPACE ALONG THE NATURAL AND UNOBSTRUCTED PATH OF HORIZONTAL AND VERTICAL EGRESS TRAVEL TO THE ENTRANCE TO AN EXIT.

1029.7 TRAVEL DISTANCE. THE EXIT ACCESS TRAVEL DISTANCE SHALL COMPLY WITH SECTION 1017. WHERE AISLES ARE PROVIDED FOR SEATING, THE DISTANCE SHALL BE MEASURED ALONG THE AISLES AND AISLE ACCESSWAYS WITHOUT TRAVEL OVER OR ON THE SEATS.

1029.13.1 SEATING AT TABLES. WHERE SEATING IS LOCATED AT A TABLE OR COUNTER AND IS ADJACENT TO AN AISLE OR AISLE ACCESSWAY, THE MEASUREMENT OF REQUIRED CLEAR WIDTH OF THE AISLE OR AISLE ACCESSWAY SHALL BE MADE TO A LINE 19 INCHES (483 MM) AWAY FROM AND PARALLEL TO THE EDGE OF THE TABLE OR COUNTER. THE 19-INCH (483 MM) DISTANCE SHALL BE MEASURED PERPENDICULAR TO THE SIDE OF THE TABLE OR COUNTER. IN THE CASE OF OTHER BOUNDARIES FOR AISLES OR AISLE ACCESSWAYS, THE CLEAR WIDTH SHALL BE MEASURED TO WALLS, EDGES OF SEATING AND TREAD EDGES. EXCEPTION: WHERE TABLES OR COUNTERS ARE SERVED BY FIXED SEATS, THE WIDTH OF THE AISLE OR AISLE ACCESSWAY SHALL BE MEASURED FROM THE BACK OF THE SEAT.

1029.13.1.1 AISLE ACCESSWAY CAPACITY AND WIDTH FOR SEATING AT TABLES. AISLE ACCESSWAYS SERVING ARRANGEMENTS OF SEATING AT TABLES OR COUNTERS SHALL COMPLY WITH THE CAPACITY REQUIREMENTS OF SECTION 1005.1 BUT SHALL NOT HAVE LESS THAN 12 INCHES (305 MM) OF WIDTH PLUS 1/2 INCH (12.7 MM) OF WIDTH FOR EACH ADDITIONAL 1 FOOT (305 MM), OR FRACTION THEREOF, BEYOND 12 FEET (3685 MM) OF AISLE ACCESSWAY LENGTH MEASURED FROM THE CENTER OF THE SEAT FARTHEST FROM AN AISLE. EXCEPTION: PORTIONS OF AN AISLE ACCESSWAY HAVING A LENGTH NOT EXCEEDING 6 FEET (1829 MM) AND USED BY A TOTAL OF NOT MORE THAN FOUR PERSONS.

1103.2.2 EMPLOYEE WORK AREAS. SPACES AND ELEMENTS WITHIN EMPLOYEE WORK AREAS SHALL ONLY BE REQUIRED TO COMPLY WITH SECTIONS 907.5.2.3.2, 1007 AND 1104.3.1 AND SHALL BE DESIGNED AND CONSTRUCTED SO THAT INDIVIDUALS WITH DISABILITIES CAN APPROACH, ENTER AND EXIT THE WORK AREA. WORK AREAS, OR PORTIONS OF WORK AREAS, OTHER THAN RAISED COURTROOM STATIONS IN ACCORDANCE WITH SECTION 1108.4.1.4, THAT ARE LESS THAN 300 SQUARE FEET (30 M<sup>2</sup>) IN AREA AND LOCATED 7 INCHES (178 MM) OR MORE ABOVE OR BELOW THE GROUND OR FINISHED FLOOR WHERE THE CHANGE IN ELEVATION IS ESSENTIAL TO THE FUNCTION OF THE SPACE SHALL BE EXEMPT FROM ALL REQUIREMENTS.

1108.2.1 SERVICES. IF A SERVICE OR FACILITY IS PROVIDED IN AN AREA THAT IS NOT ACCESSIBLE, THE SAME SERVICE OR FACILITY SHALL BE PROVIDED ON AN ACCESSIBLE LEVEL AND SHALL BE ACCESSIBLE.

1108.2.2.1 GENERAL SEATING. WHEELCHAIR SPACES SHALL BE PROVIDED IN ACCORDANCE WITH TABLE 1108.2.2.1.

1108.2.3 COMPANION SEATS. AT LEAST ONE COMPANION SEAT SHALL BE PROVIDED FOR EACH WHEELCHAIR SPACE REQUIRED BY SECTIONS 1108.2.2.1 THROUGH 1108.2.2.3.

1108.2.9 DINING AND DRINKING AREAS. IN DINING AND DRINKING AREAS, ALL INTERIOR AND EXTERIOR FLOOR AREAS SHALL BE ACCESSIBLE AND BE ON AN ACCESSIBLE ROUTE.

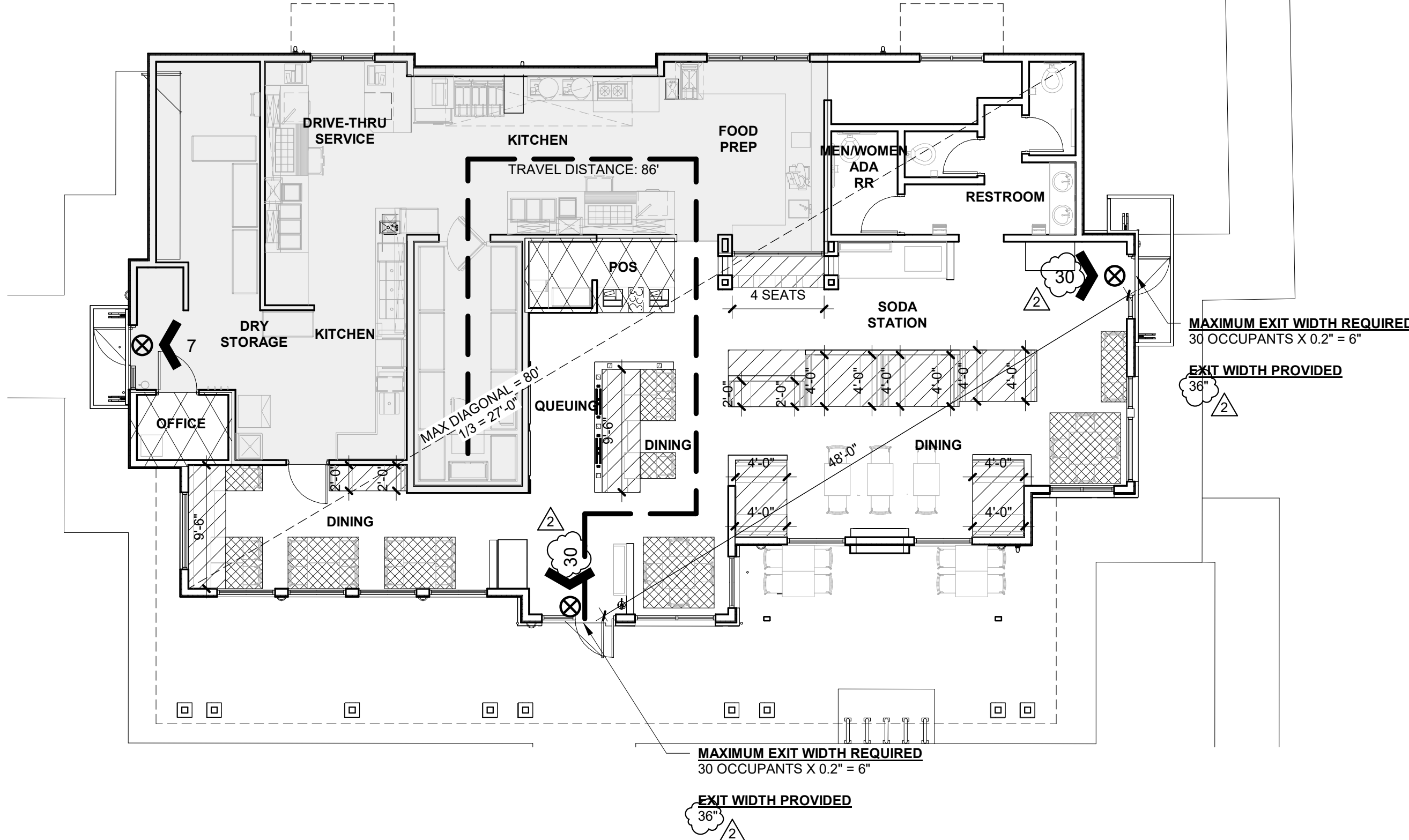
1108.2.9.1 DINING SURFACES. WHERE DINING SURFACES FOR THE CONSUMPTION OF FOOD OR DRINK ARE PROVIDED, AT LEAST 5 PERCENT, BUT NOT LESS THAN ONE, OF THE DINING SURFACES FOR THE SEATING AND STANDING SPACES SHALL BE ACCESSIBLE AND BE DISTRIBUTED THROUGHOUT THE FACILITY AND LOCATED ON A LEVEL ACCESSED BY AN ACCESSIBLE ROUTE.

[P] 2902.1 MINIMUM NUMBER OF FIXTURES. PLUMBING FIXTURES SHALL BE PROVIDED IN THE MINIMUM NUMBER AS SHOWN IN TABLE 2902.1 BASED ON THE ACTUAL USE OF THE BUILDING OR SPACE. USES NOT SHOWN IN TABLE 2902.1 SHALL BE CONSIDERED INDIVIDUALLY BY THE CODE OFFICIAL. THE NUMBER OF OCCUPANTS SHALL BE DETERMINED BY THIS CODE.

[P] 2902.1.1 FIXTURE CALCULATIONS. TO DETERMINE THE OCCUPANT LOAD OF EACH SEX, THE TOTAL OCCUPANT LOAD SHALL BE DIVIDED IN HALF. TO DETERMINE THE REQUIRED NUMBER OF FIXTURES, THE FIXTURE RATIO OR RATIOS FOR EACH FIXTURE TYPE SHALL BE APPLIED TO THE OCCUPANT LOAD OF EACH SEX IN ACCORDANCE WITH TABLE 2902.1 FRACTIONAL NUMBERS RESULTING FROM APPLYING THE FIXTURE RATIOS OF TABLE 2902.1 SHALL BE ROUNDED UP TO THE NEXT WHOLE NUMBER. FOR CALCULATIONS INVOLVING MULTIPLE OCCUPANCIES, SUCH FRACTIONAL NUMBERS FOR EACH OCCUPANCY SHALL FIRST BE SUMMED AND THEN ROUNDED UP TO THE NEXT WHOLE NUMBER.

LIFE SAFETY LEGEND

- Business 150 GROSS
Commercial Kitchen 200 GROSS
Non-Fixed Seating (Unconcentrated) 15 NET
Fixed Seating (Booth/Counter Seating) 1 OCC/24" LF (BOOTH) 1 OCC/SEAT (COUNTER)
Storage or Accessory 300 GROSS
Exit Occupant Load - Building
Exit Light - Refer Also to Electrical
Travel Distance Path
Travel Distance
30"x48" ADA Clearance



1 LIFE SAFETY PLAN 1/8" = 1'-0"

BUILDING CODE OCCUPANCY

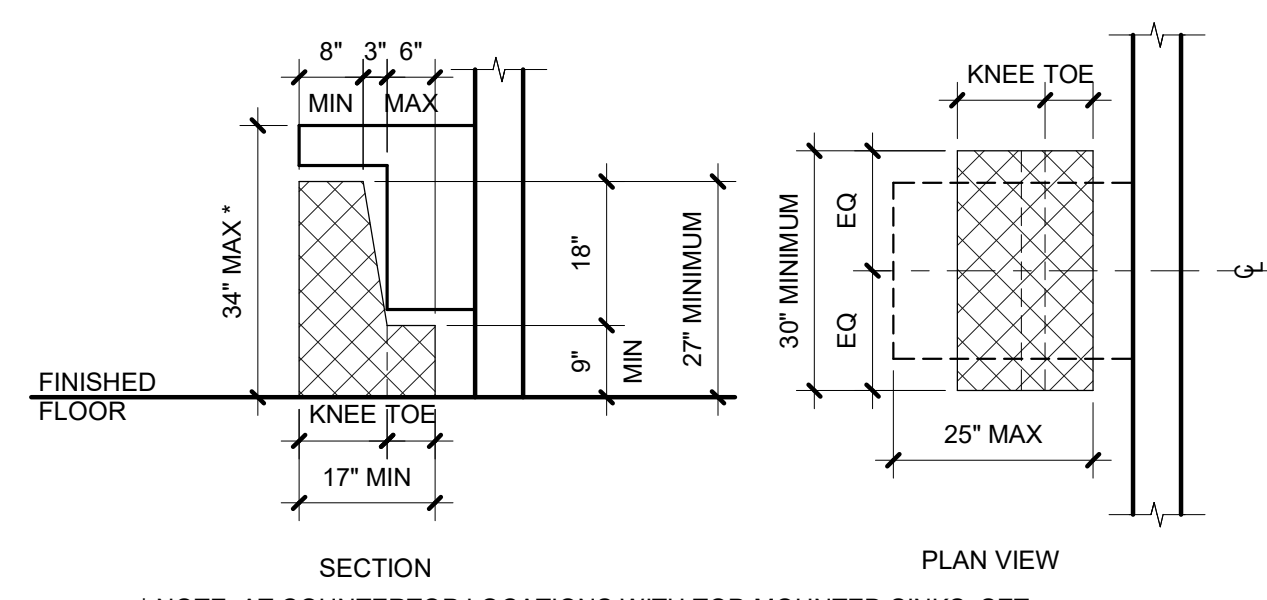
Table with 2 columns: Building Code Occupancy and Building Code Occupancy. Rows include Business (112 SF / 150 = 1 OCC), Commercial Kitchen (1,182 SF / 200 = 6 OCC), Interior Dining (Non-Fixed Seating) (149 SF / 15 = 10 OCC), Interior Dining - Booth (Fixed Seating) (73 LF / 2 = 37 OCC), Interior Dining - Counter (Seat Count) = 4 OCC, Restrooms + Storage (296 SF / 300 = 2 OCC), Total Interior Occupant Load = 60 OCC, Plumbing Fixture Occupant Load = 60 Building Occ, Plumbing Required Per 2902.1 (30 Male Occ = 1 Water Closet, 1 Urinal, 1 Lavatory), Provided (1 Water Closet, 1 Urinal, 1 Lavatory), 30 Female Occ = 1 Water Closet, 2 Water Closets, 1 Lavatory.

PROJECT: NEW CONSTRUCTION TACO TIME 1115 EAST MAIN STREET PUYALLUP, WA 98372

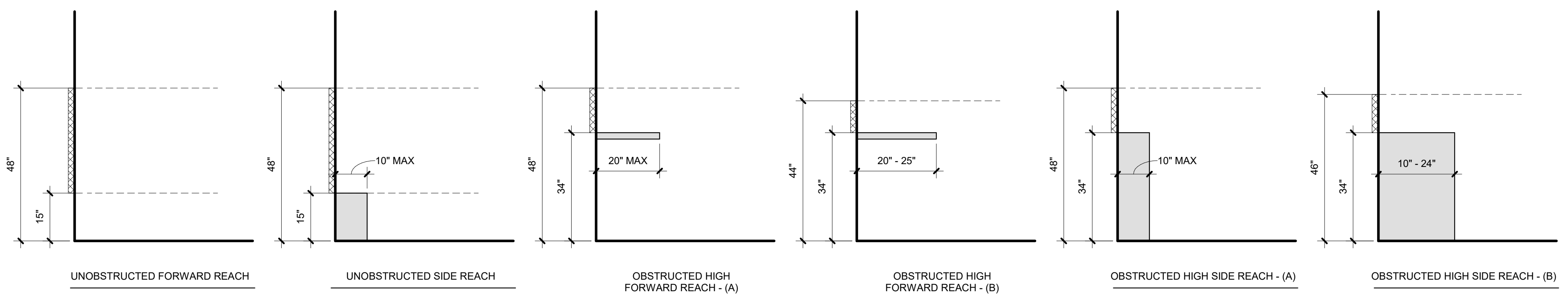
Table with 2 columns: Revisions and Revisions. Row 1: 2 ADDENDUM #2 2024.03.04

REVISIONS  
1 ADDENDUM #1 2023.12.22

DATE: 7.1.2022  
BCSA NO: 19110.00.00  
DRAWN BY: Author  
REVIEWED BY:  
SHEET TITLE: ADA ACCESSIBILITY REQUIREMENTS

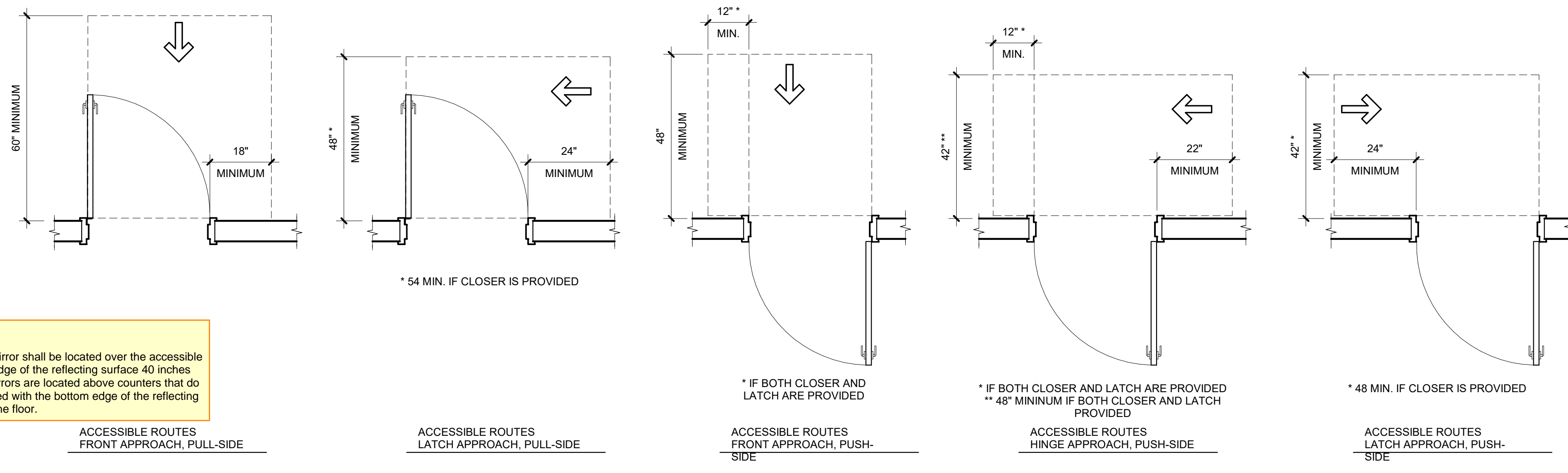
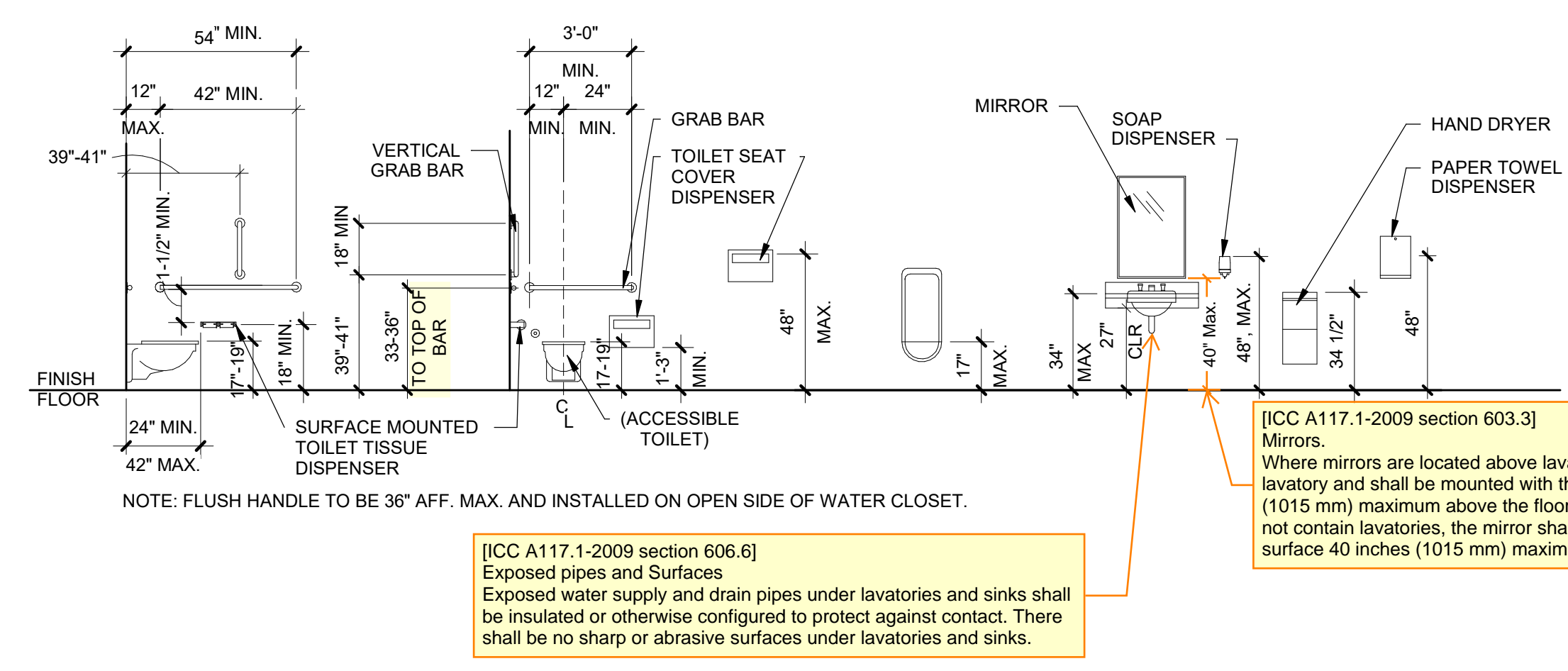


\* NOTE: AT COUNTERTOP LOCATIONS WITH TOP-MOUNTED SINKS, SET COUNTERTOP HEIGHT TO PROVIDE 34" MAXIMUM TO TOP OF SINK RIM



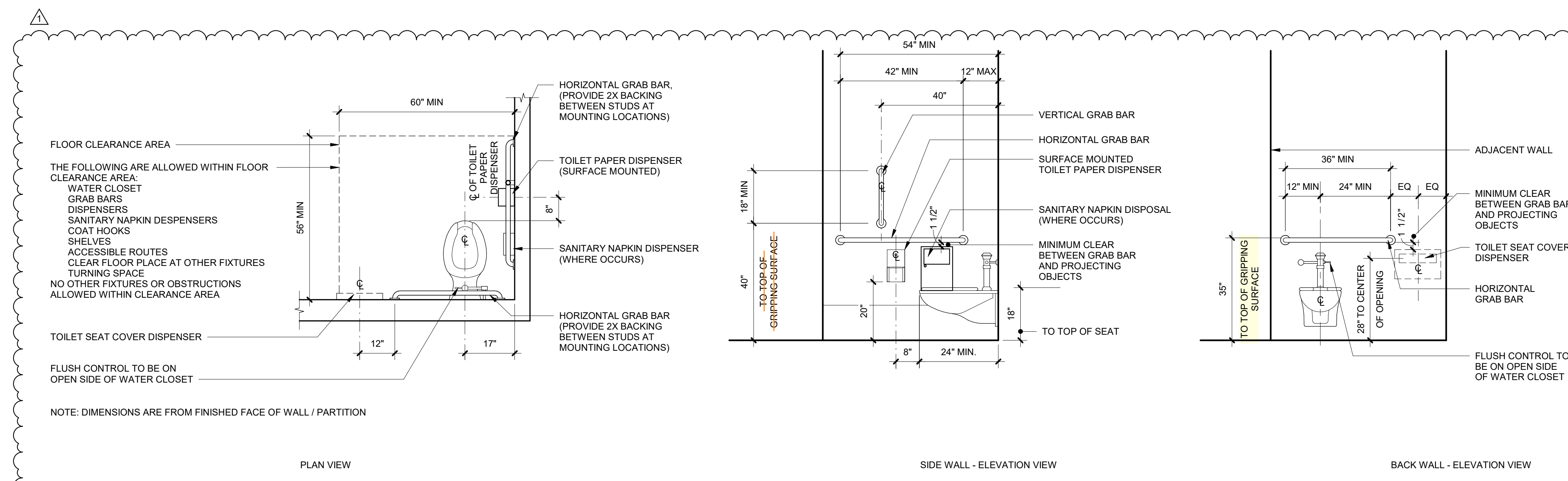
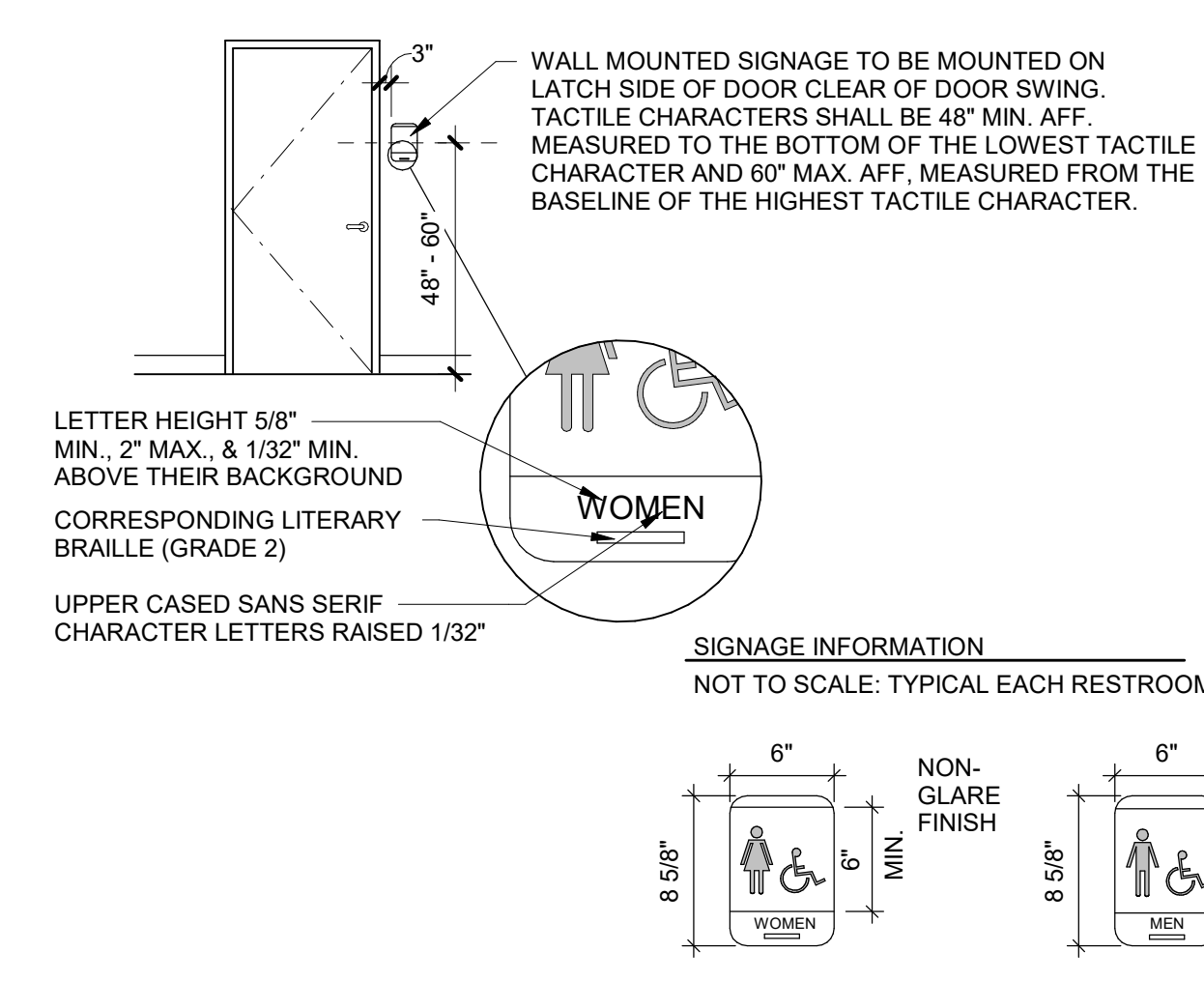
6 ADA - KNEE AND TOE CLEARANCE  
1/2" = 1'-0"

5 ADA - REACH RANGES  
1/2" = 1'-0"



4 ADA - RESTROOM MOUNTING HEIGHTS  
1/4" = 1'-0"

3 DOOR MANUEVERING CLEARANCES  
1/2" = 1'-0"



2 PUBLIC RESTROOM SIGNAGE  
1/4" = 1'-0"

1 ADA - TOILET IN A PRIVATE ROOM  
1/2" = 1'-0"

# REFER TO CIVIL SITE PLAN PERMIT PLPSP20220120

## SITE PLAN GENERAL NOTES

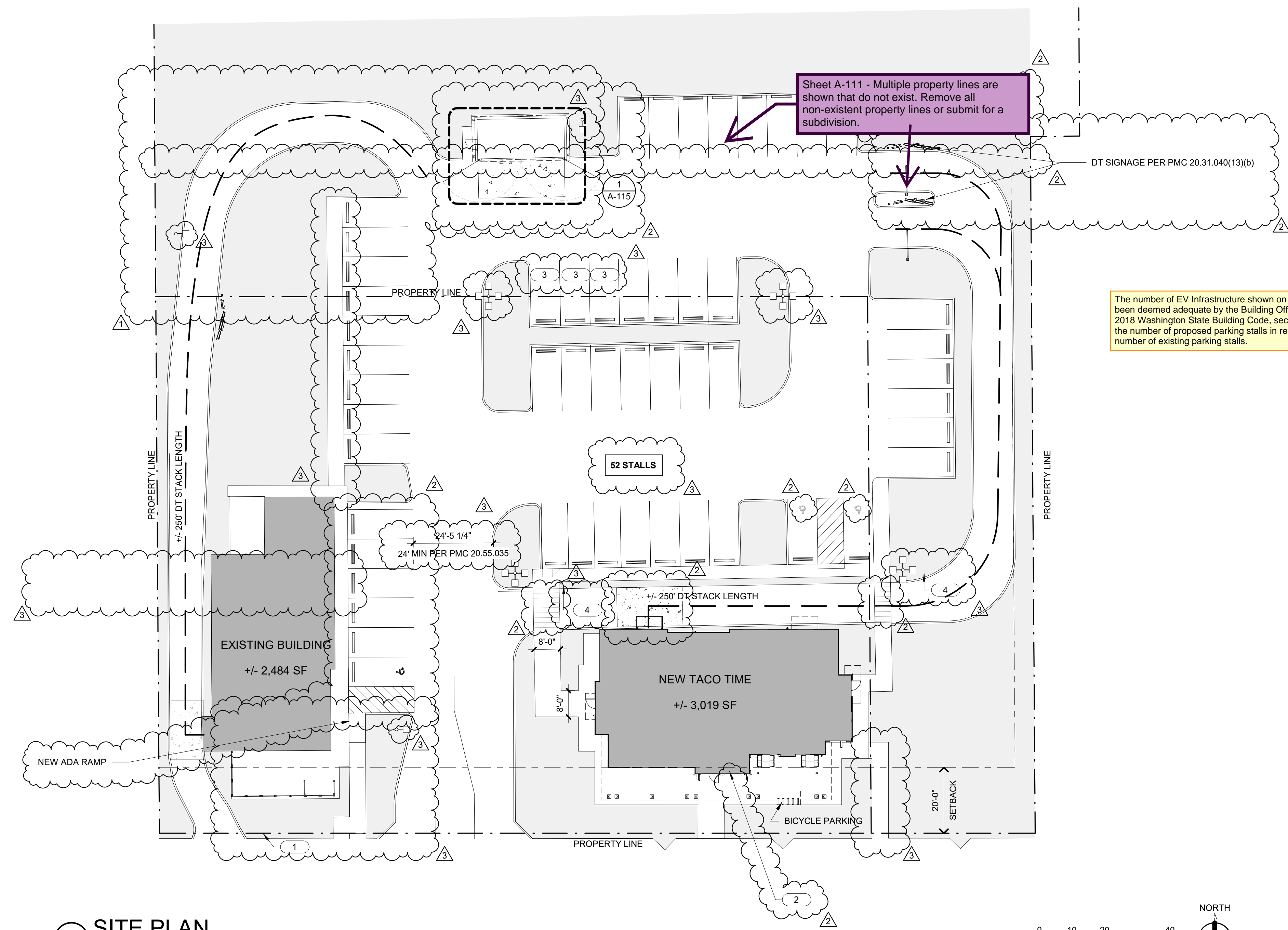
1. REFER TO CIVIL DRAWINGS FOR DEMOLITION OF EXISTING STRUCTURES AND SITE FEATURES.
2. REFER TO CIVIL DRAWINGS FOR ASPHALT PAVING AND CONCRETE SIDEWALK SECTIONS.
3. REFER TO CIVIL DRAWINGS FOR ALL SURFACING FEATURES, UTILITIES, GRADING, STORMWATER AND ELEVATIONS. ELEMENTS SHOWN ON THIS DRAWING ARE FOR REFERENCE ONLY.
4. REFER TO LANDSCAPE DRAWINGS FOR PLANTING AND IRRIGATION DESIGN.
5. REFER TO ELECTRICAL DRAWINGS FOR SITE LIGHTING AND EQUIPMENT DESIGN.

## SITE PLAN LEGEND

- OUTLINE OF STRUCTURE/OVERHANG ABOVE
- - - - - PROPERTY LINE
- LANDSCAPE AREA
- ⊠ SITE LIGHTING, REFER TO ELECTRICAL FOR MORE INFORMATION

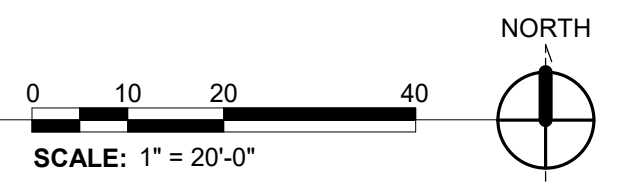
## SITE PLAN SHEET NOTES

- 1 PROPERTY LINE
- 2 THE CROSSING OF THE SETBACK LINE WAS REVIEWED AND APPROVED AS A PART OF SITE PLAN REVIEW PERMIT PLPSP20220120, WITH A 12' TO 20' SETBACK
- 3 FUTURE EV CHARGING STATIONS. REFER TO CIVIL FOR MORE INFORMATION.
- 4 SIGNAGE: PEDESTRIAN CROSSING. COORDINATE WITH GC.



The number of EV Infrastructure shown on the plan has been deemed adequate by the Building Official based on 2018 Washington State Building Code, section 429 and the number of proposed parking stalls in relation to the number of existing parking stalls.

1 SITE PLAN  
1" = 20'-0"



5664  
REGISTERED ARCHITECT  
DOUGLAS P. OBERST  
STATE OF WASHINGTON

City of Puyallup  
Development & Permitting Services  
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
1115 EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS

1	ADDENDUM #1	2023.12.22
2	ADDENDUM #2	2024.03.04
3	ADDENDUM #3	2024.06.11

DATE  
7.1.2022

BCSA NO.  
19110.00.00

DRAWN BY:

REVIEWED BY: Reviewer

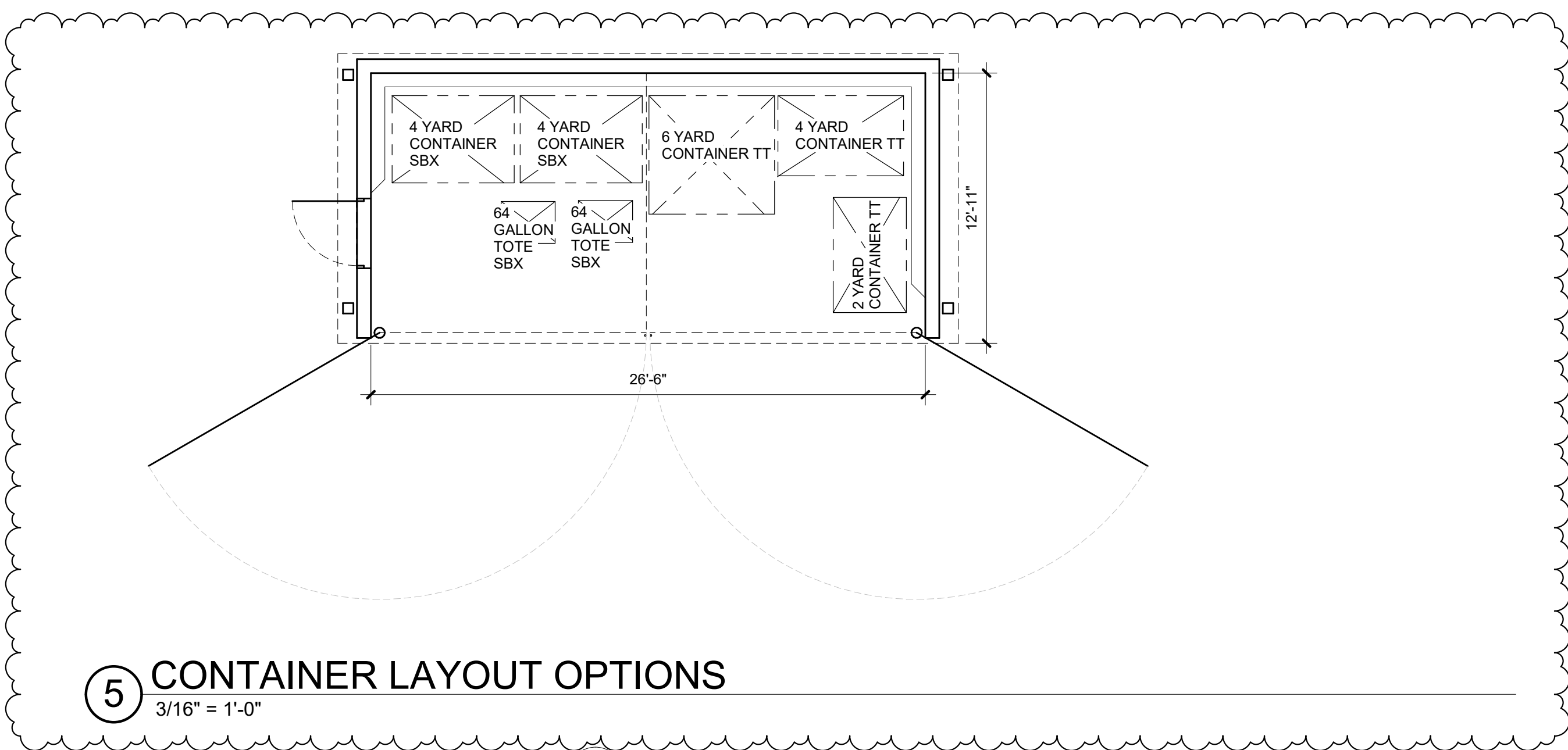
SHEET TITLE  
SITE PLAN

**City of Puyallup**  
 Development & Permitting Services  
**ISSUED PERMIT**

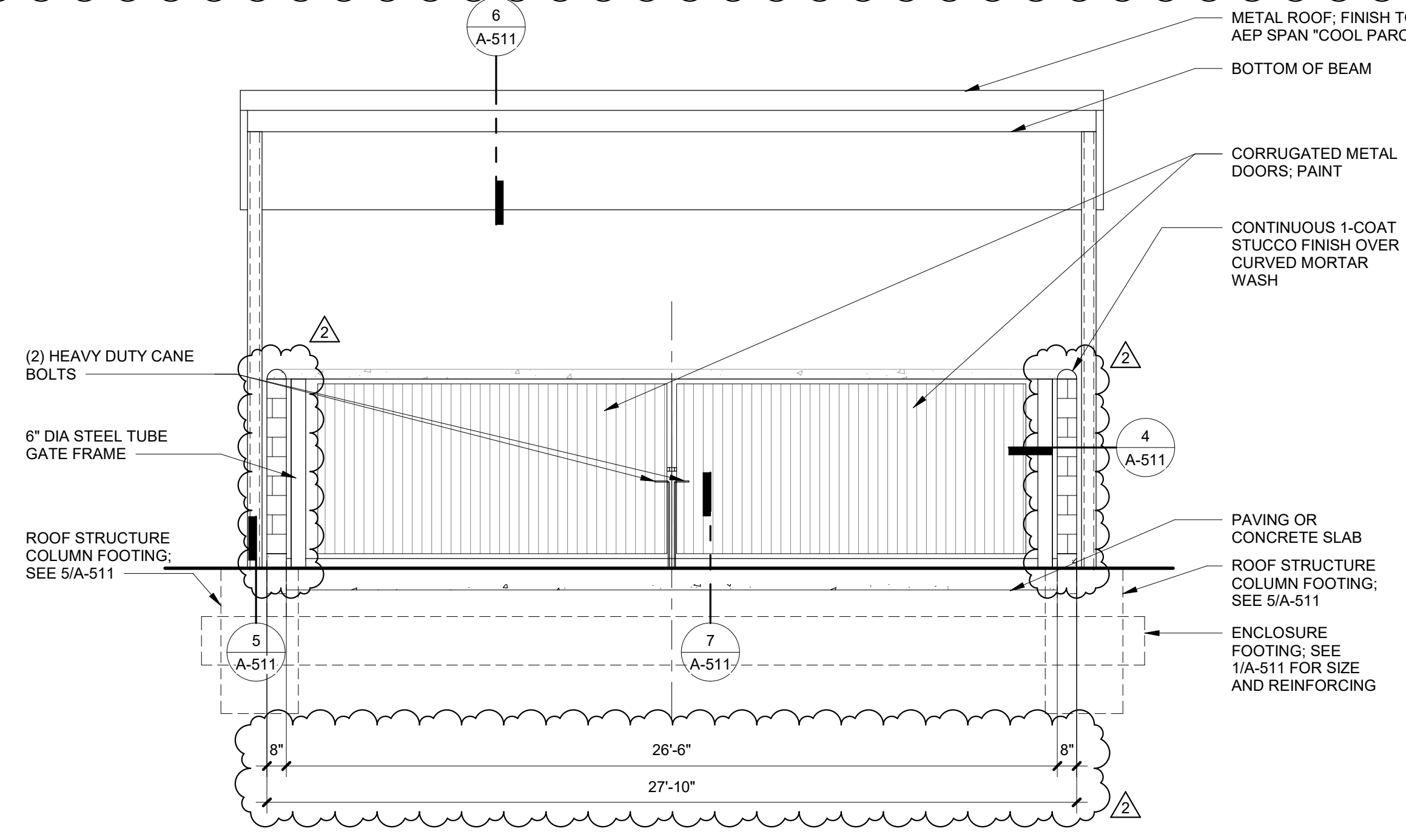
Building	Planning
Engineering	Public Works
Fire	Traffic



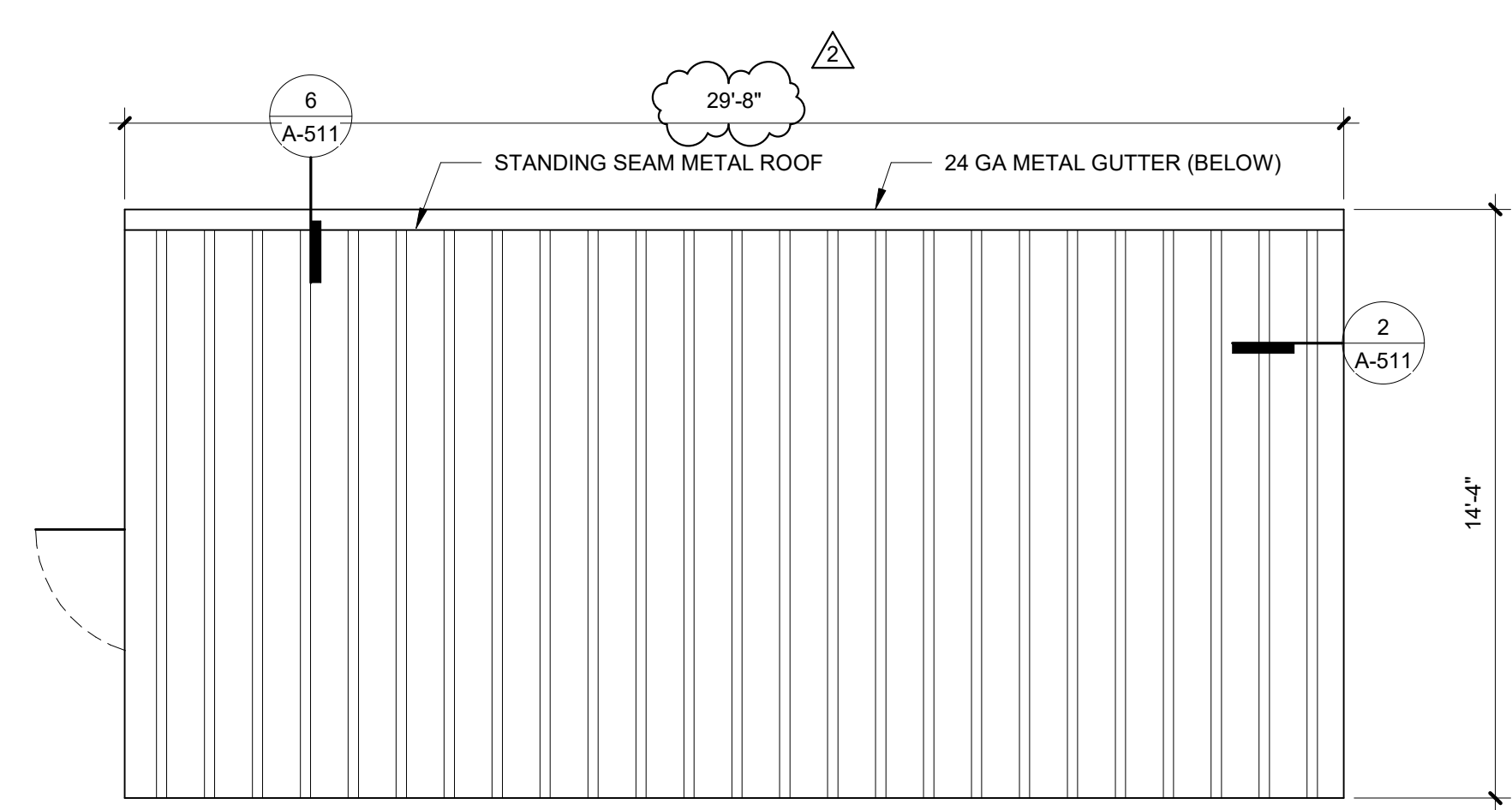
5664 REGISTERED ARCHITECT  
 DOUGLAS P. OBERST  
 STATE OF WASHINGTON



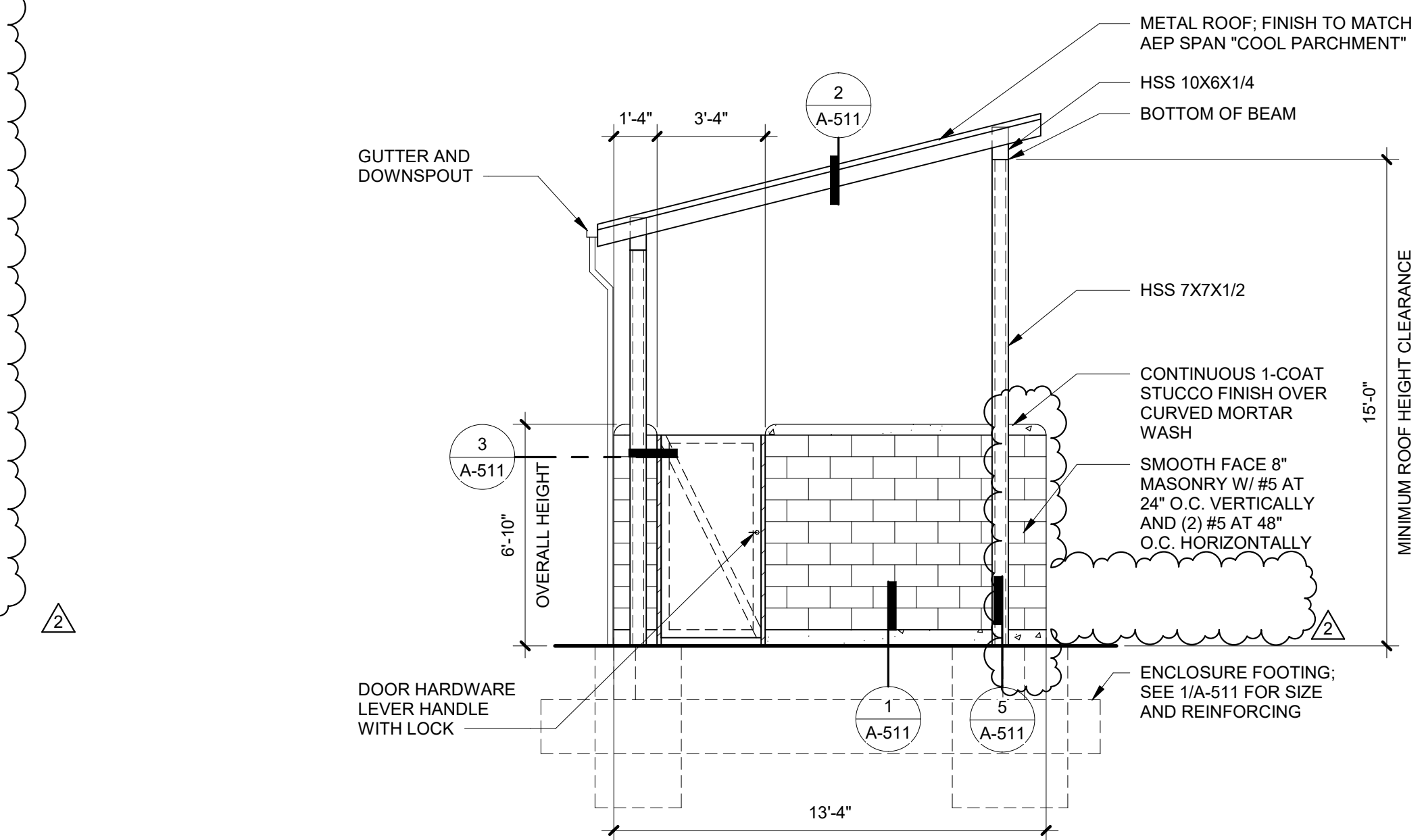
**5 CONTAINER LAYOUT OPTIONS**  
 3/16" = 1'-0"



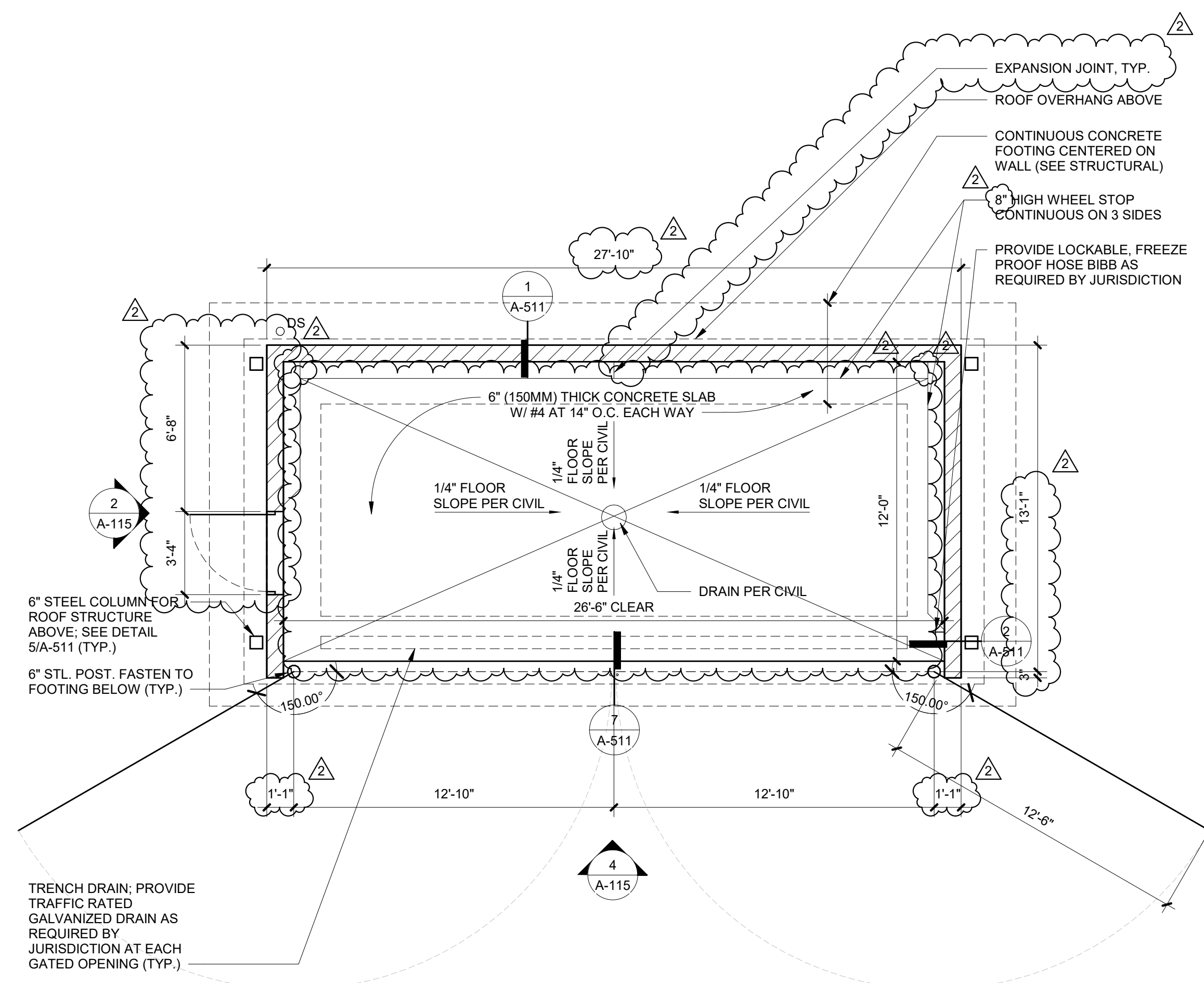
**4 TRASH ENCLOSURE - SOUTH ELEVATION**  
 1/4" = 1'-0"



**3 TRASH ENCLOSURE - ROOF PLAN**  
 1/4" = 1'-0"



**2 TRASH ENCLOSURE - WEST ELEVATION**  
 1/4" = 1'-0"



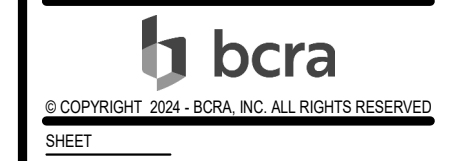
**1 TRASH ENCLOSURE - PLAN**  
 1/4" = 1'-0"

PROJECT:  
 NEW CONSTRUCTION  
**TACO TIME**  
 1115 EAST MAIN STREET  
 PUYALLUP, WA 98372

REVISIONS

2	ADDENDUM #2	2024.03.04
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DATE: 7.1.2022  
 BCRA NO.: 19110.00.00  
 DRAWN BY: Author  
 REVIEWED BY:  
 SHEET TITLE: TRASH ENCLOSURE PLANS AND ELEVATIONS



**A-115**  
 PERMIT SET

City of Puyallup  
Development & Permitting Services  
**ISSUED PERMIT**

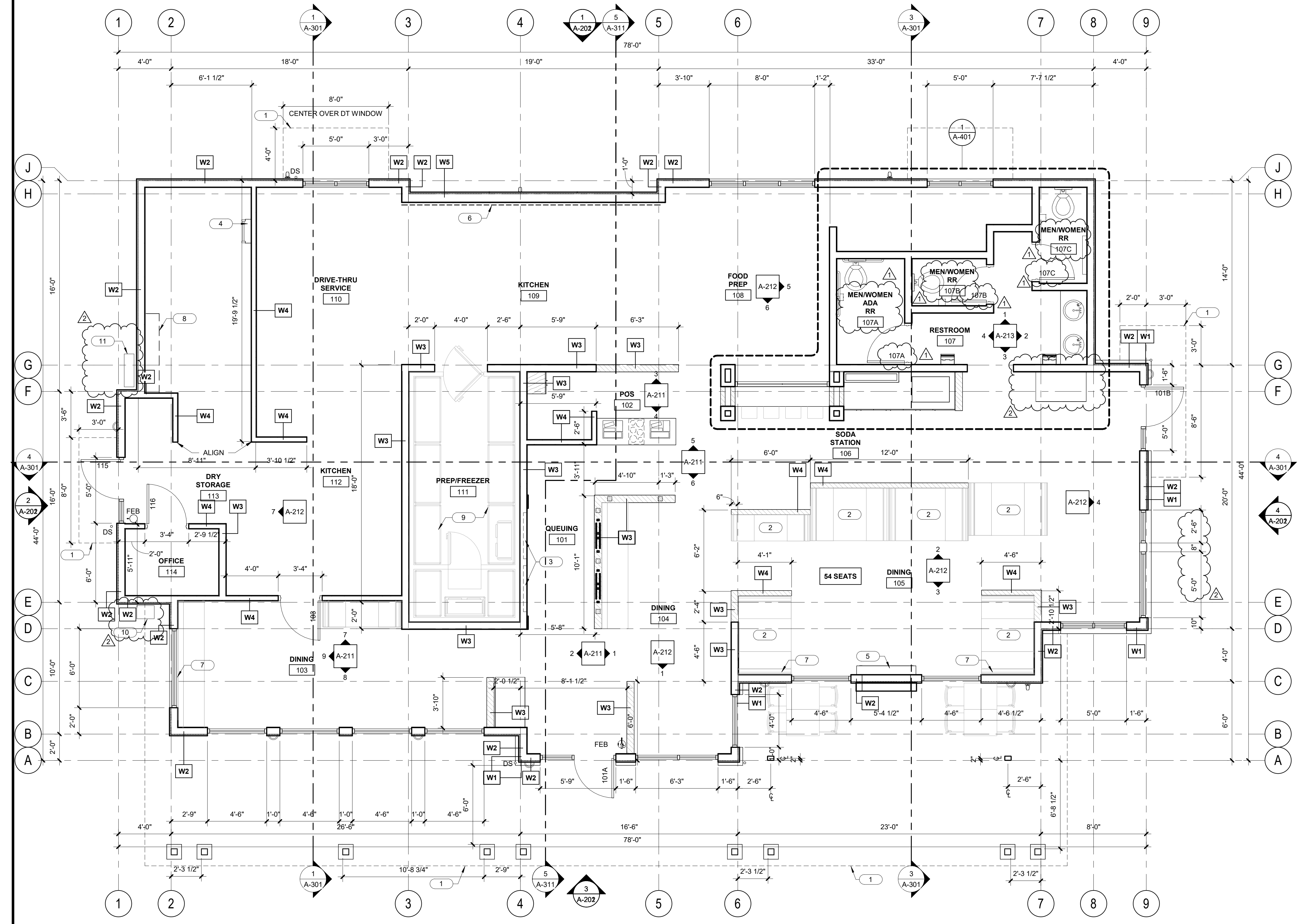
Building	Planning
Engineering	Public Works
Fire	Traffic

- ### FLOOR PLAN GENERAL NOTES
- REFER TO A-621 FOR WALL ASSEMBLY TYPES.
  - REFER TO ROOM FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR WALL FINISHES.
  - REFER TO G-301 AND FLOOR PLANS FOR LOCATIONS OF FIRE-RATED WALL CONSTRUCTION.
  - REFER TO A-201 FOR EXTERIOR STOREFRONT CALLOUTS.
  - REFER TO MECHANICAL DRAWINGS FOR SIZING AND CONFIGURATION OF ALL DUCTS AND PIPES PENETRATING FLOOR ASSEMBLIES.
  - PROVIDE FIRESTOPPING AT ALL ELECTRICAL AND MECHANICAL (CONDUIT, PIPING AND DUCT) PENETRATIONS THROUGH FIRE-RATED FLOOR/CEILING/ROOF ASSEMBLIES.
  - REFER TO ENLARGED FLOOR PLANS FOR ADDITIONAL INFORMATION.

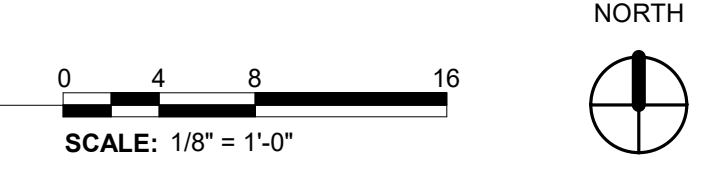
5664  
REGISTERED ARCHITECT  
DOUGLAS P. OBERST  
STATE OF WASHINGTON

- ### FLOOR PLAN LEGEND
- NOTE:** NOT ALL LEGEND ITEMS MAY BE PRESENT ON THIS SHEET
- EXTERIOR FRAMED WALL - REFER ALSO TO STRUCTURAL
  - INTERIOR FRAMED WALL - STOP WALL AT 6" ABOVE HIGHEST CEILING UNLESS NOTED OTHERWISE - BRACE TO STRUCTURE ABOVE.
  - WALL-MOUNTED ITEM - REFER TO INTERIOR ELEVATIONS
  - RELITE
  - DOOR
  - HALF-HEIGHT WALL, REFER TO INTERIOR ELEVATIONS FOR HEIGHTS
  - STRUCTURE ABOVE / EDGE OF ROOF ABOVE
  - FEB FIRE EXTINGUISHER WITH BRACKET
  - DS DOWNSPOUT
  - FD FLOOR DRAIN PER MECHANICAL; DEPRESS DRAIN BODY 1/4"; WARP ADJACENT SLAB 6" FROM DRAIN BODY
  - FD FLOOR DRAIN PER MECHANICAL DRAWINGS; DEPRESS DRAIN BODY; SLOPE SHOWER FLOOR TO DRAIN

- ### FLOOR PLAN SHEET NOTES
- LINE OF STRUCTURE / CANOPY ABOVE
  - PROVIDE BACKING IN WALL FOR WALL MOUNTED TABLES, REFER TO EQUIPMENT PLAN ON A-122 FOR LOCATIONS
  - RECESSED MONITORS, PROVIDE BACKING IN WALL
  - ROOF ACCESS LADDER
  - DOUBLE-SIDED FIREPLACE, CENTER IN WALL PIER
  - STAINLESS STEEL FINISH, FULL HEIGHT
  - BOOTHOS AT STOREFRONT TO HAVE FINISHED BACKS
  - ELECTICAL PANEL, REFER TO ELECTRICAL DRAWINGS
  - FREEZER BY OTHERS, REFER TO MANUFACTURER DRAWINGS AND SPECS
  - GAS METER, REFER TO PLUMBING FOR MORE INFORMATION.
  - ELECTRICAL MAIN, REFER TO ELECTRICAL FOR MORE INFORMATION.



**1 FLOOR PLAN**  
1/4" = 1'-0"



PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
1115 EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS

1	ADDENDUM #1	2023.12.22
2	ADDENDUM #2	2024.03.04

DATE:  
7.1.2022  
BCRA NO.  
19110.00.00  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE  
FIRST FLOOR PLAN

City of Puyallup  
Development & Permitting Services  
**ISSUED PERMIT**

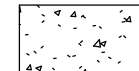

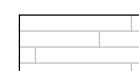
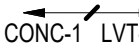
Building	Planning
Engineering	Public Works
Fire	Traffic

### FINISH FLOOR PLAN GENERAL NOTES

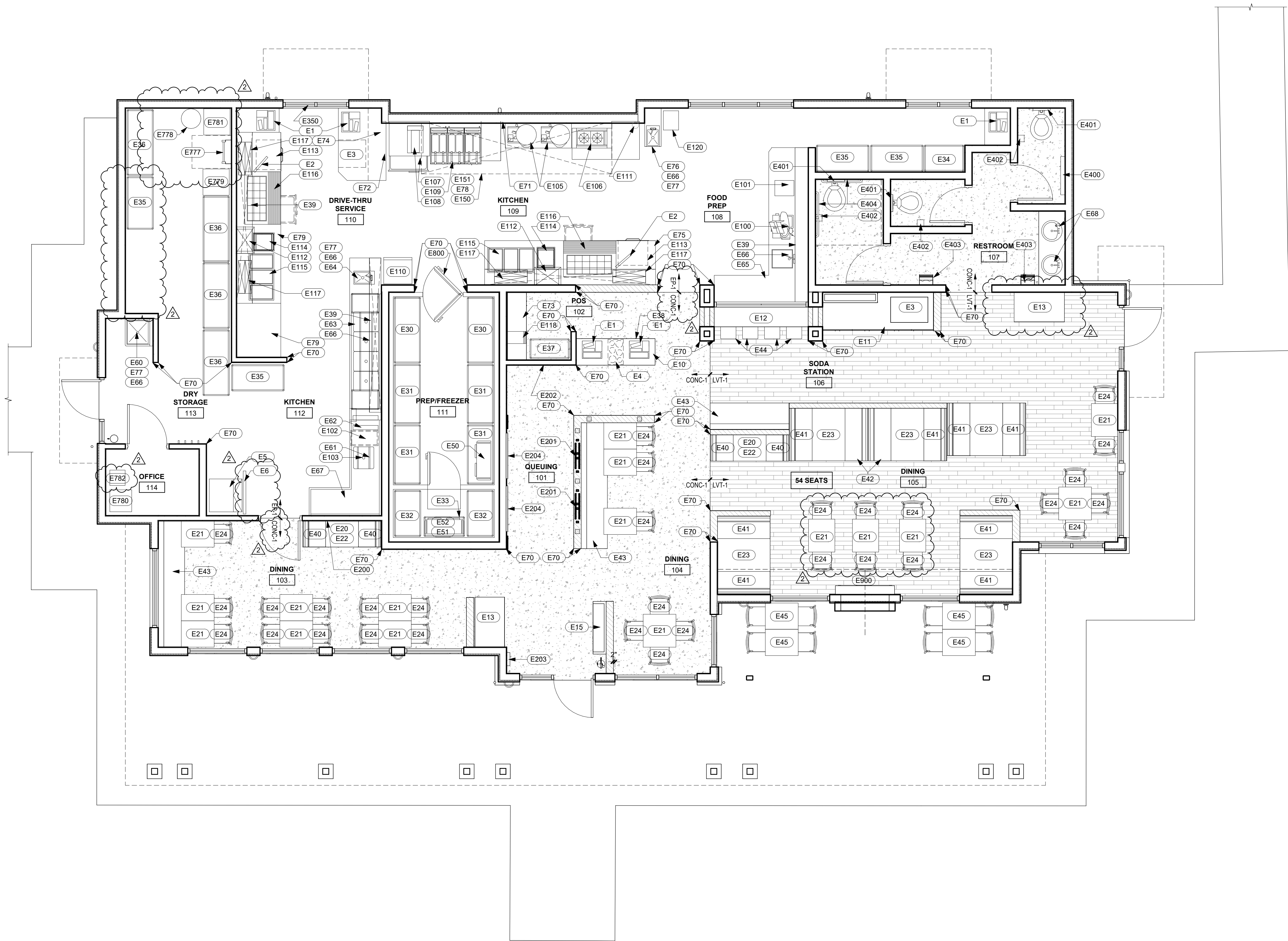
1. REFER TO SHEET A-123 FOR EQUIPMENT LIST

### FINISH FLOOR PLAN LEGEND

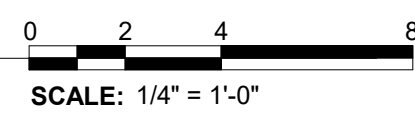
NOTE: NOT ALL LEGEND ITEMS MAY BE PRESENT ON THIS SHEET

-  CONCRETE FLOOR
-  EPOXY FLOORING
-  LUXURY VINYL FLOORING
-  FLOOR FINISH TRANSITION:  
 CONC-1 CONCRETE  
 EP-1 EPOXY  
 LVT-1 LUXURY VINYL FLOORING

5664  
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DOUGLAS P. OBERST  
STATE OF WASHINGTON



1 FINISH & EQUIPMENT FLOOR PLAN  
1/4" = 1'-0"



PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
1115 EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS

2	ADDENDUM #2	2024.03.04

DATE:  
7.1.2022  
BCSA NO:  
19110.00.00  
DRAWN BY: Author  
REVIEWED BY:  
SHEET TITLE:  
FINISH & EQUIPMENT  
PLAN

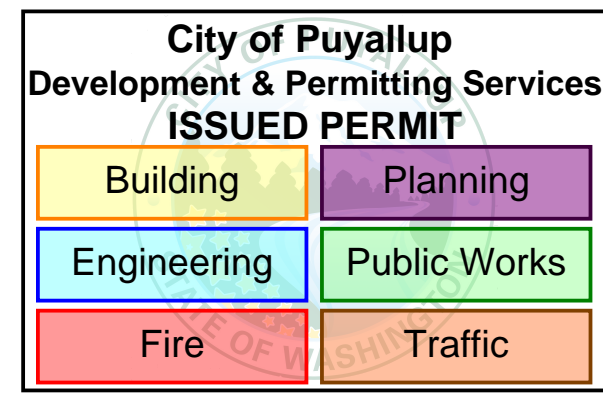
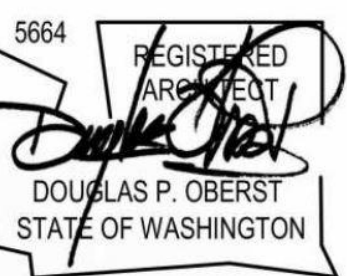
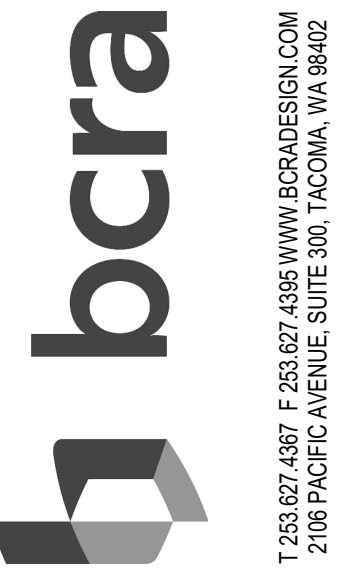


Table with columns: ITEM NO., SUPPLIER, INSTALLER, DESCRIPTION. Rows E1 through E68 detailing various construction items like electrical systems, plumbing, furniture, and kitchen equipment.

Table with columns: ITEM NO., SUPPLIER, INSTALLER, DESCRIPTION. Rows E70 through E900 detailing various construction items like stainless steel fixtures, kitchen equipment, and furniture.



PROJECT: NEW CONSTRUCTION TACO TIME 1115 EAST MAIN STREET PUYALLUP, WA 98372

Table with columns: REVISIONS, NO., DESCRIPTION, DATE. Row 2: ADDENDUM #2, 2024.03.04

DATE: 7.1.2022
BCSA NO: 19110.00.00
DRAWN BY: Author

SHEET TITLE: EQUIPMENT SCHEDULE



A-123

PERMIT SET



City of Puyallup  
Development & Permitting Services  
ISSUED PERMIT

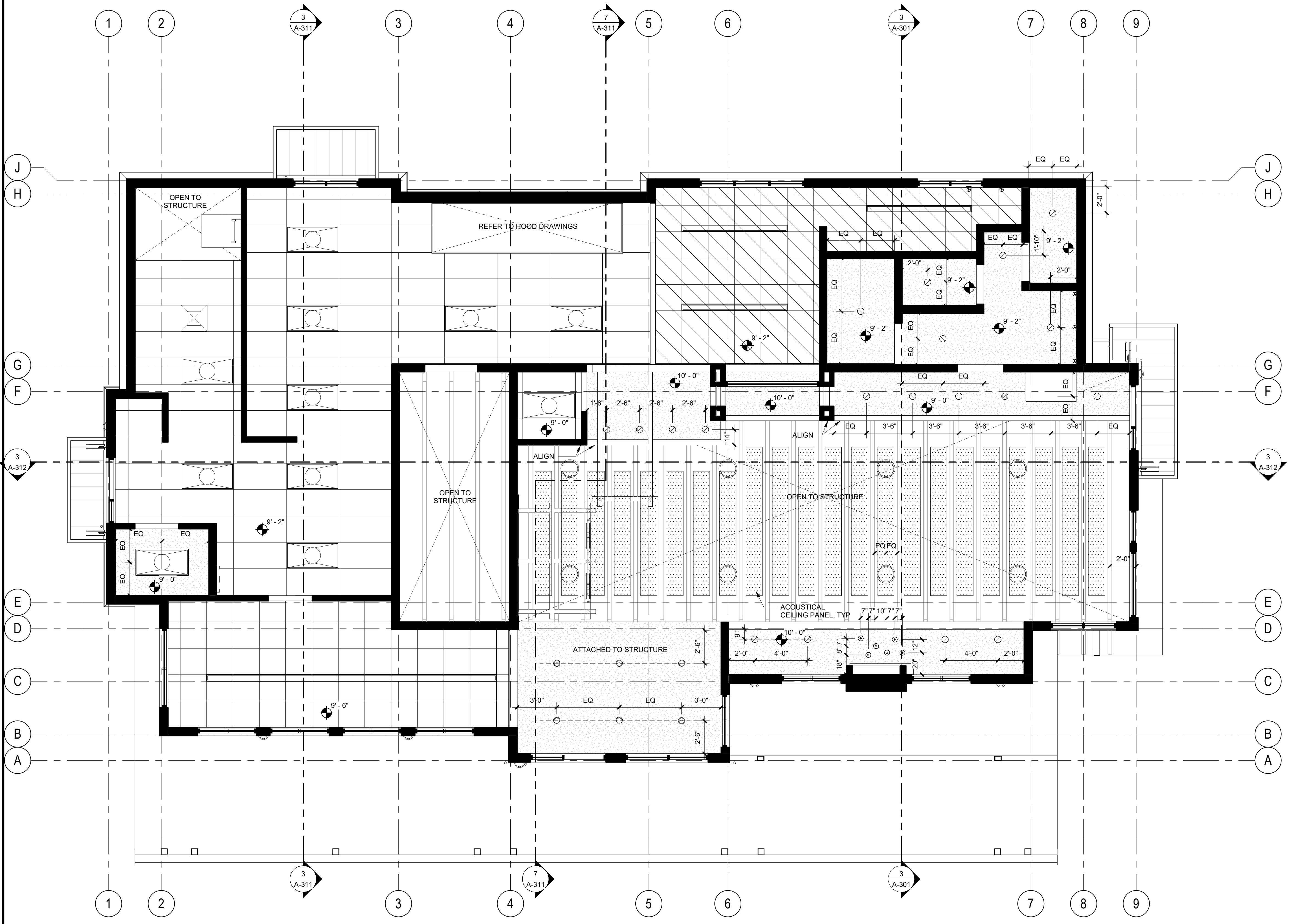
Building	Planning
Engineering	Public Works
Fire	Traffic

### REFLECTED CEILING PLAN GENERAL NOTES

- CENTER SUSPENDED CEILING GRIDS WITHIN OVERALL DIMENSION OF ROOM/AREA PER GRAPHIC REPRESENTATION AND PROVIDE EQUAL DIMENSIONS AT EDGE OF PERIMETER WALLS AND/OR SOFFITS, UNLESS NOTED OTHERWISE.
- DIMENSIONS ARE TO FACE OF FINISH AND CENTERLINE OF FIXTURES, UNLESS NOTED OTHERWISE.
- AT SUSPENDED ACOUSTICAL CEILINGS, CENTER LIGHT FIXTURES, DIFFUSERS, SPEAKERS, FIRE SPRINKLER HEADS, ALARMS, DETECTORS ETC. WITHIN TILES, UNLESS NOTED OTHERWISE.
- PROVIDE ARMSTRONG BERC2 CLIP (OR APPROVED EQUIVALENT) IN LIEU OF 2" PERIMETER ANGLE PER ICC 3SR-1308 FOR CONNECTING GRID MEMBERS TO PERIMETER WALL.
- REFER TO SHEET A-551 FOR TYPICAL SUSPENDED CEILING SEISMIC REQUIREMENTS.
- PER ASCE 7-02 SECTION 9.6.2.6.2 ITEM C, PROVIDE LATERAL FORCE BRACING (VERTICAL STRUTS AND SPLAY WIRES) FOR CEILINGS WITH AN AREA OF 1,000 SQUARE FEET OR MORE.
- DESIGN AND PROVIDE ALL CEILING SECONDARY SUPPORT SYSTEMS SUSPENDED FROM PRIMARY STRUCTURE ABOVE. REFER TO 5/A-551 FOR MINIMUM CEILING PERFORMANCE REQUIREMENTS.
- REFER ALSO TO STRUCTURAL FOR LOCATIONS OF WALL FRAMING THAT EXTENDS TO STRUCTURE ABOVE.
- ALIGN FLOOR FRAMING AND ROOF FRAMING WITH SUSPENDED T-BAR GRID LAYOUT TO ACCOMMODATE THE CEILING, LIGHTING AND HVAC SYSTEMS.
- REFER TO TELECOM DRAWINGS FOR CEILING MOUNTED SPEAKER LAYOUT.

### REFLECTED CEILING PLAN LEGEND

- DOOR / OPENING AS SCHEDULED, PER PLAN
- WALL PER PLAN
- RELITE / WINDOW / STOREFRONT AS SCHEDULED
- ACT-1 ACOUSTIC CEILING TILE (2'x2')
- ACT-2 ACOUSTIC CEILING TILE (2'x2')
- ACT-3 ACOUSTIC CEILING TILE (2'x4')
- (1) LAYER 5/8" GYPSUM BOARD  
CONTRACTOR'S OPTION:  
- ON SUSPENDED GWB CEILING SYSTEM  
- ON WOOD FRAMING  
- ON METAL FRAMING  
REFER TO 5/A-551 FOR CEILING PERFORMANCE REQUIREMENTS
- FIBER CEMENT SOFFIT  
PANEL JOINT  
SOFFIT VENT
- SHEET METAL SOFFIT - MP-#  
PANEL JOINT
- 8' - 0" CEILING HEIGHT
- LAY-IN LIGHT FIXTURE (SIZE AND TYPE VARIES)  
-REFER ALSO TO ELECTRICAL
- LIGHT FIXTURE (SIZE AND TYPE VARIES)  
-REFER ALSO TO ELECTRICAL
- LAYOUT LINE, WHERE OCCURS, CENTER FIXTURE WITHIN CEILING, BOTH DIRECTIONS.
- PENDANT LIGHT FIXTURE (SIZE AND TYPE VARIES)  
-REFER ALSO TO ELECTRICAL
- LIGHT FIXTURE (SIZE AND TYPE VARIES)  
-REFER ALSO TO ELECTRICAL
- LIGHT FIXTURE (SIZE AND TYPE VARIES)  
-REFER ALSO TO ELECTRICAL
- LIGHT FIXTURE (SIZE AND TYPE VARIES)  
-REFER ALSO TO ELECTRICAL
- CEILING DIFFUSER (SIZE AND TYPE VARIES)  
-REFER ALSO TO MECHANICAL



1 REFLECTED CEILING PLAN  
1/4" = 1'-0"

PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
1115 EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS

1	ADDENDUM #1	2023.12.22
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DATE  
7.1.2022

BCSA NO.  
19110.00.00

DRAWN BY:

REVIEWED BY:

SHEET TITLE  
FIRST FLOOR  
REFLECTED CEILING  
PLAN

IF SHEET MEASURES LESS THAN 24"X36", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

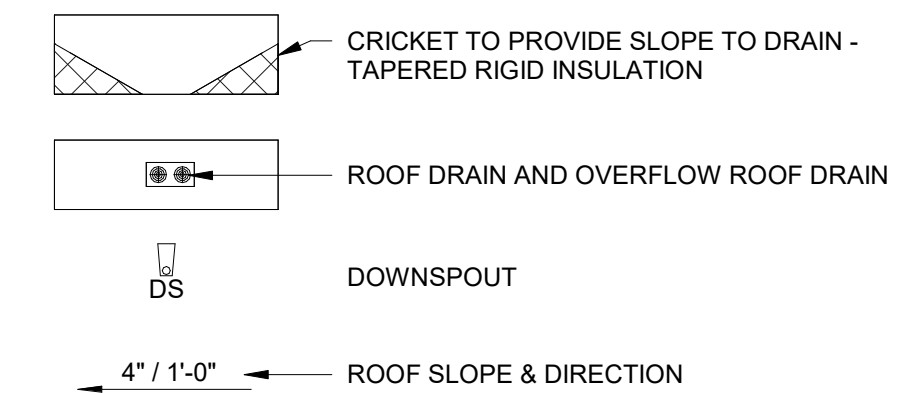
City of Puyallup  
Development & Permitting Services  
**ISSUED PERMIT**

Building	Planning
Engineering	Public Works
Fire	Traffic

**ROOF PLAN GENERAL NOTES**

- REFER TO A-621 FOR ROOF ASSEMBLY TYPES.
- SEE ALSO FLOOR PLANS FOR OBSCURED ROOF ELEMENTS NOT CALLED OUT ON THIS DRAWING.
- PROVIDE SHEET METAL SPLASH PAN AT ALL DOWNSPOUTS THAT DISCHARGE ONTO LOWER ROOF ASSEMBLIES.
- SEE ALSO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION ON ROOFTOP EQUIPMENT AND FIXTURES.

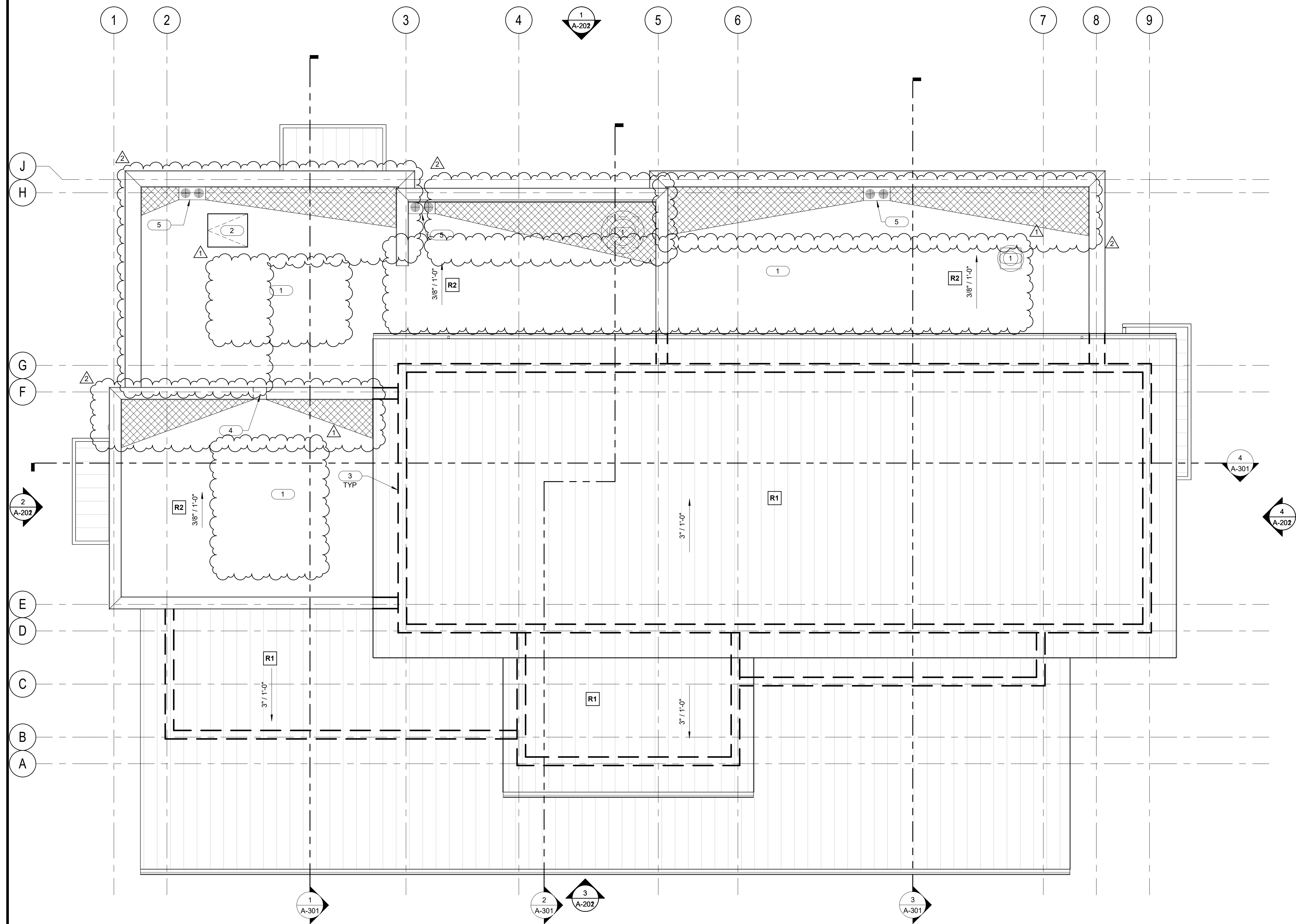
**ROOF PLAN LEGEND**



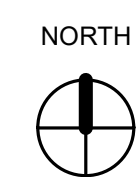
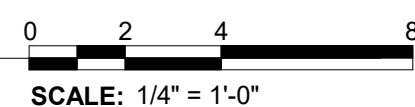
**ROOF PLAN SHEET NOTES**

- LOCATIONS OF EQUIPMENT, REFER TO MEP DRAWINGS
- ROOF ACCESS HATCH
- LINE OF WALL BELOW
- THRU-WALL SCUPPER
- ROOF DRAIN AND OVERFLOW

See Mechanical Sheet M-5 for equipment locations



**1 ROOF PLAN**  
1/4" = 1'-0"



5664  
REGISTERED ARCHITECT  
DOUGLAS P. OBERST  
STATE OF WASHINGTON

PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
1115 EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS

1	ADDENDUM #1	2023.12.22
2	ADDENDUM #2	2024.03.04

DATE: 7.1.2022  
BCRA NO: 19110.00.00  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: ROOF PLAN

EXTERIOR FINISH SCHEDULE		
ITEM	MATERIAL	FINISH
CANOPY STRUTS AND COLUMNS	STEEL	PT-E
CHANNEL CANOPIES	STEEL	PT-E
COPINGS / FLASHINGS	SHEET METAL	PT-F
DOWNSPOUTS / SCUPPERS	SHEET METAL	PT - TO MATCH ADJACENT SIDING
GUTTERS	SHEET METAL	PT-F
HOLLOW METAL DOORS AND FRAMES	NM	PT - TO MATCH ADJACENT SIDING
HORIZONTAL LAP SIDING WITH 4" EXPOSURE	HARDIEPLANK FIBER CEMENT SIDING	PT - REFER TO ELEVATIONS FOR COLOR
HORIZONTAL LAP SIDING WITH 6 3/4" EXPOSURE	HARDIEPLANK FIBER CEMENT SIDING	PT - REFER TO ELEVATIONS FOR COLOR
METAL ROOF PANELS - MRP	STEEL	FF - AEP SPAN "COOL PARCHMENT"
QUARTZ PANEL	QUARTZ	FF - PENTALQUARTZ, COLOR TBD, 3/4" SLAB, POLISHED FINISH
RAKES, EAVES AND FASCIA	WOOD	PT-D
ROOFTOP MECHANICAL EQUIPMENT	STEEL	PT TO MATCH PT-B OR PT-C
SMOOTH FACE HARDIEPANEL	FIBER CEMENT	PT - REFER TO ELEVATIONS FOR COLOR
STONE VENEER	STONE VENEER	FF - ELDERADO STONE, CLIFFSIDE, "BARLEY"

ABBREVIATIONS	
MRP-1	METAL ROOFING PANEL TYPE 1: AEP SPAN - "COOL PARCHMENT"
PT-A	PAINT TYPE A: SHERWIN WILLIAMS - SW6356 "COPPER MOUNTAIN"
PT-B	PAINT TYPE B: SHERWIN WILLIAMS - SW6403 "ESCAPADE GOLD"
PT-C	PAINT TYPE C: SHERWIN WILLIAMS - SW2861 "AVOCADO"
PT-D	PAINT TYPE D: SHERWIN WILLIAMS - SW6111 "COCONUT HUST"
PT-E	PAINT TYPE E: PAINT TO MATCH PAC-CLAD "HARTFORD GREEN"
PT-F	PAINT TYPE F: PAINT TO MATCH AEP SPAN "COOL PARCHMENT"
Q1	QUARTZ PANEL BELOW WINDOW PER EXTERIOR FINISH SCHEDULE
ST	STONE VENEER PER EXTERIOR FINISH SCHEDULE

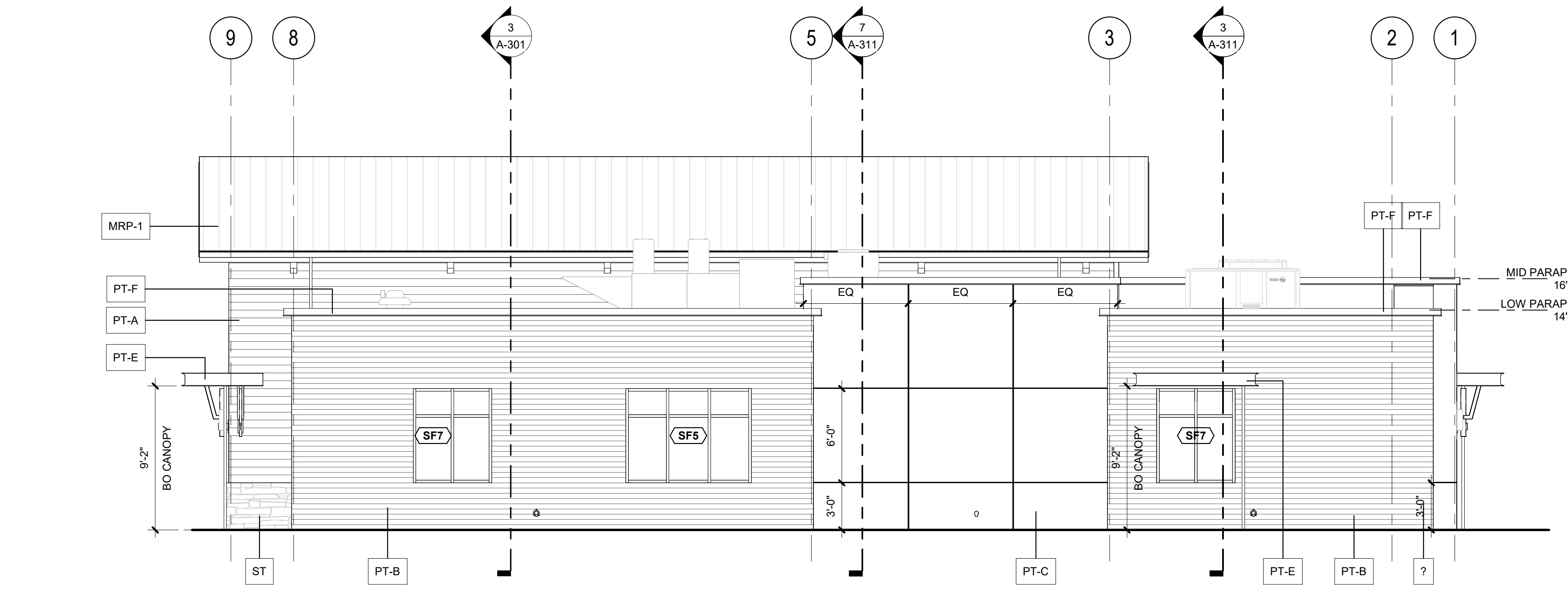
- EXTERIOR ELEVATION SHEET NOTES**
- BUILDING SIGNAGE BY OTHERS, UNDER SEPERATE PERMIT
  - EXTERIOR WALL SCANCE, GUILD LED POCKET OUTDOOR WALL LIGHT, LARGE, LED BUILT-IN, 120 VOLTS, 3000 SOFT WHITE, 92 CRI, DARK BRONZE
  - EXTERIOR WALL SCANCE, LITHONIA LED WALL PACK #OWLX1-LED-20-40-MVOLT OR APPROVED SIMILAR.
  - ROOF KICKER

**EXTERIOR ELEVATION GENERAL NOTES**

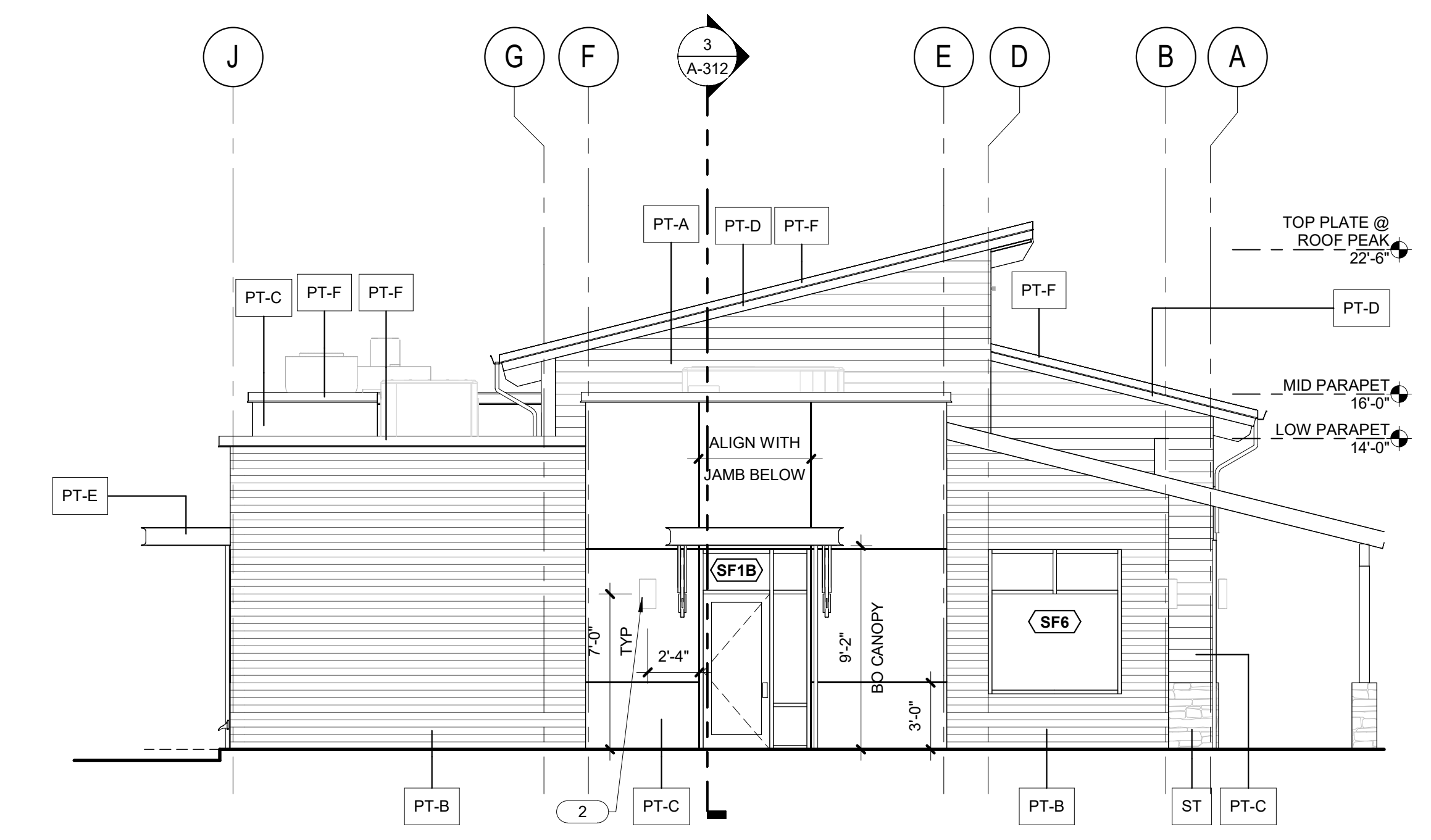
1. REFER TO STOREFRONT TYPES FOR STANDARD SHADING CONDITIONS.

A PMC 20.26.300 (3)(D) BUILDING ENTRANCES AND DESIGN. AT LEAST ONE BUILDING ENTRANCE FOR AN INDIVIDUAL BUILDING (OR INDIVIDUAL TENANT SPACES) SHALL FACE EACH PUBLIC STREET FRONTAGE OR BE LOCATED WITHIN 50 LINEAL FEET FROM A PUBLIC STREET FRONTAGE. DIRECTLY LINKING PEDESTRIAN ACCESS SHALL BE PROVIDED BETWEEN THE STREET RIGHT-OF-WAY AND EACH BUILDING ENTRANCE. NO LESS THAN 60 PERCENT OF THE SURFACE AREA OF ANY STREET-FACING WALL SHALL CONSIST OF WINDOWS AND/OR TRANSPARENT DOORWAYS.

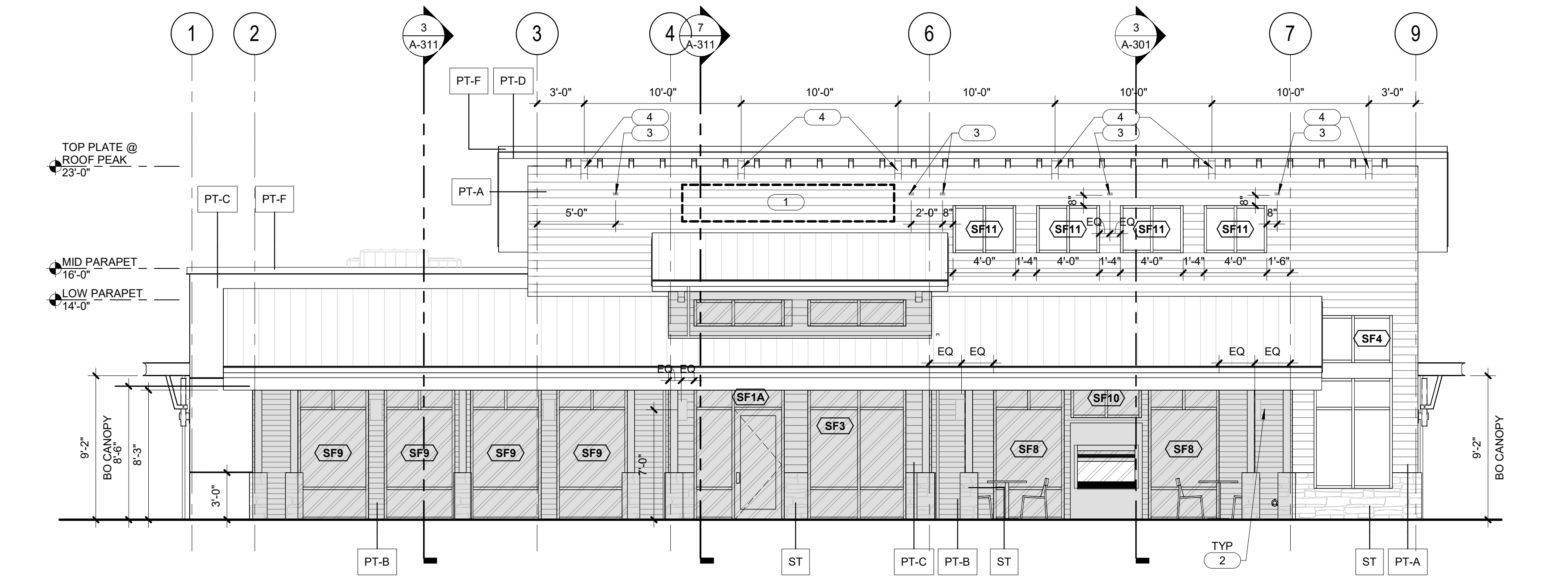
STREET FACING FACADE - SOUTH ELEVATION:  
CALCULATIONS AS LISTED ON SHEET ARE AS FOLLOWS: TOTAL WALL AREA: 597 SF; 60% OF 597 SF = 358.2 SF; TOTAL GLAZING PROVIDED: 359 SF.



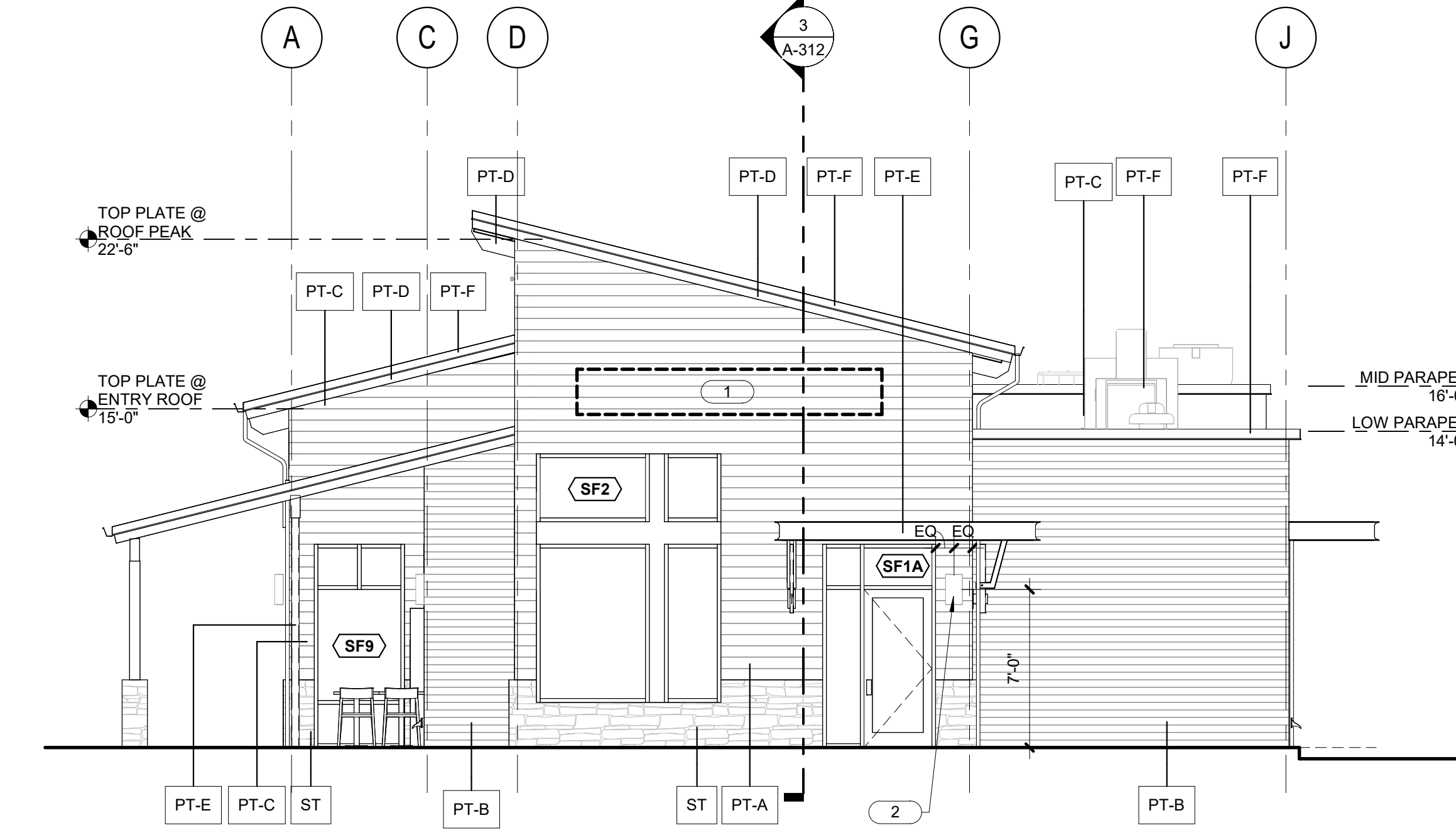
1 NORTH ELEVATION  
3/16" = 1'-0"



2 EAST ELEVATION  
3/16" = 1'-0"



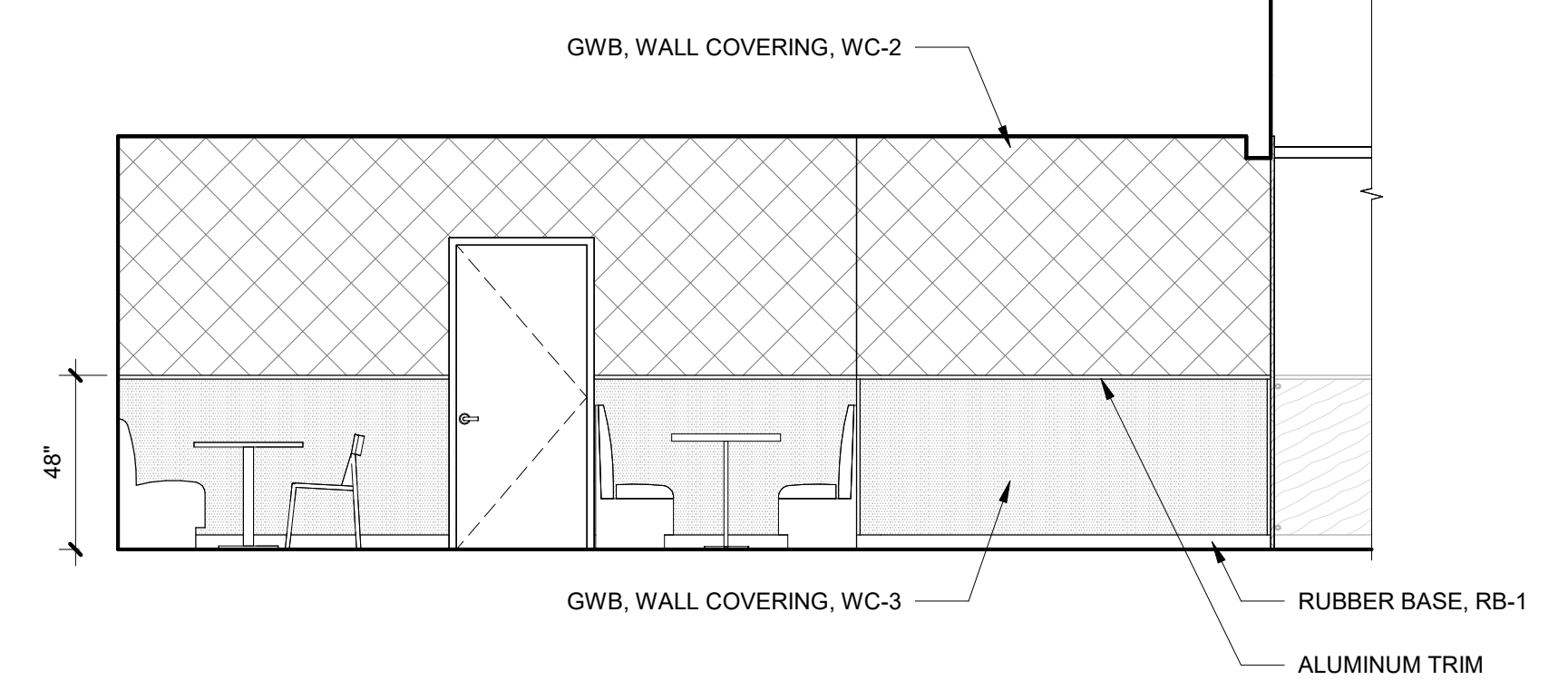
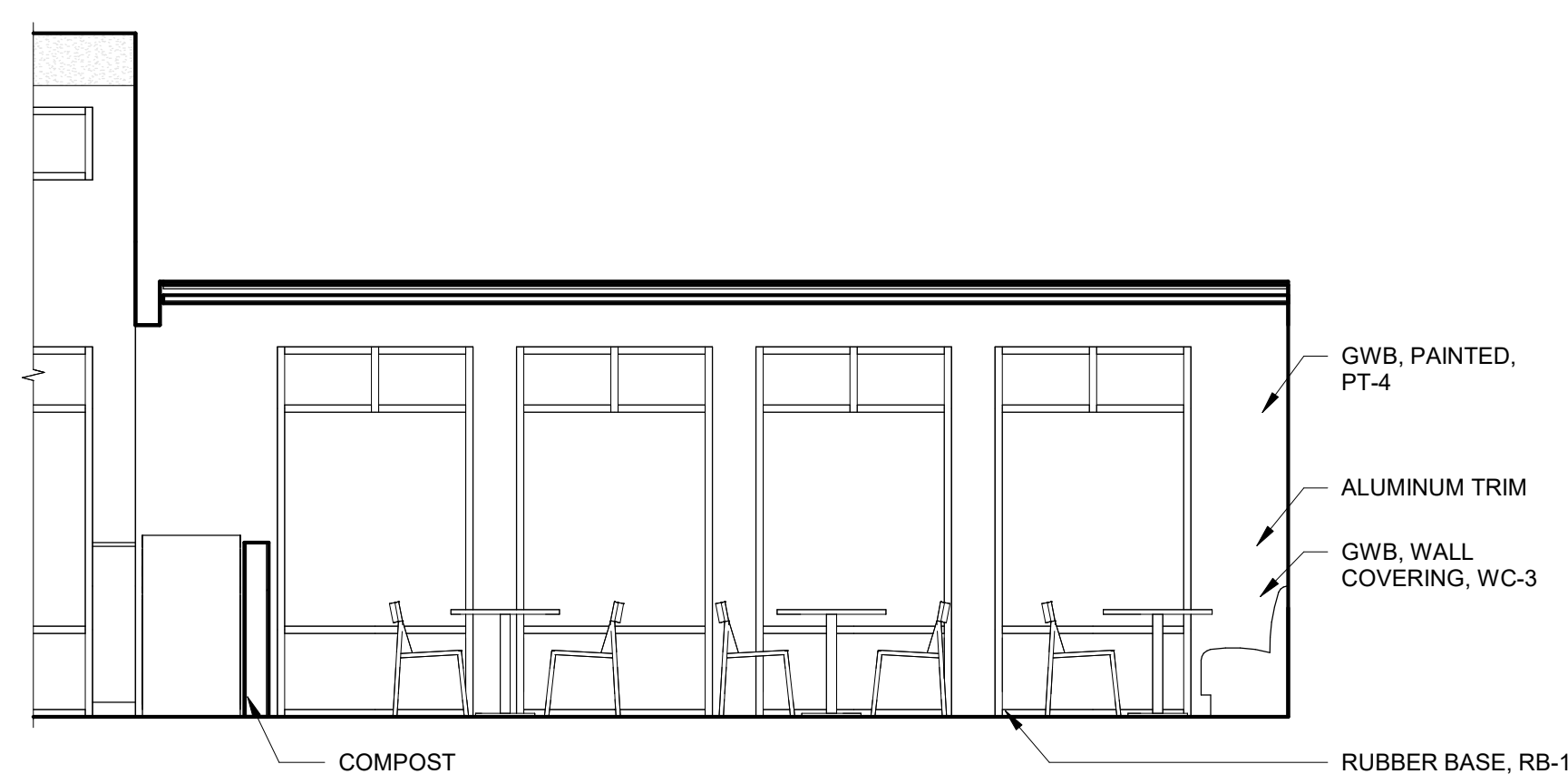
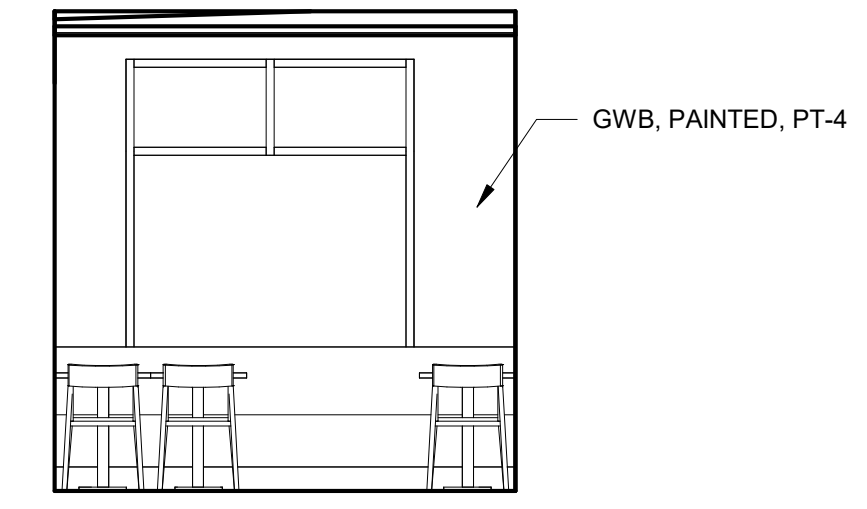
3 SOUTH ELEVATION  
3/16" = 1'-0"



4 WEST ELEVATION  
3/16" = 1'-0"

**City of Puyallup**  
Development & Permitting Services  
**ISSUED PERMIT**

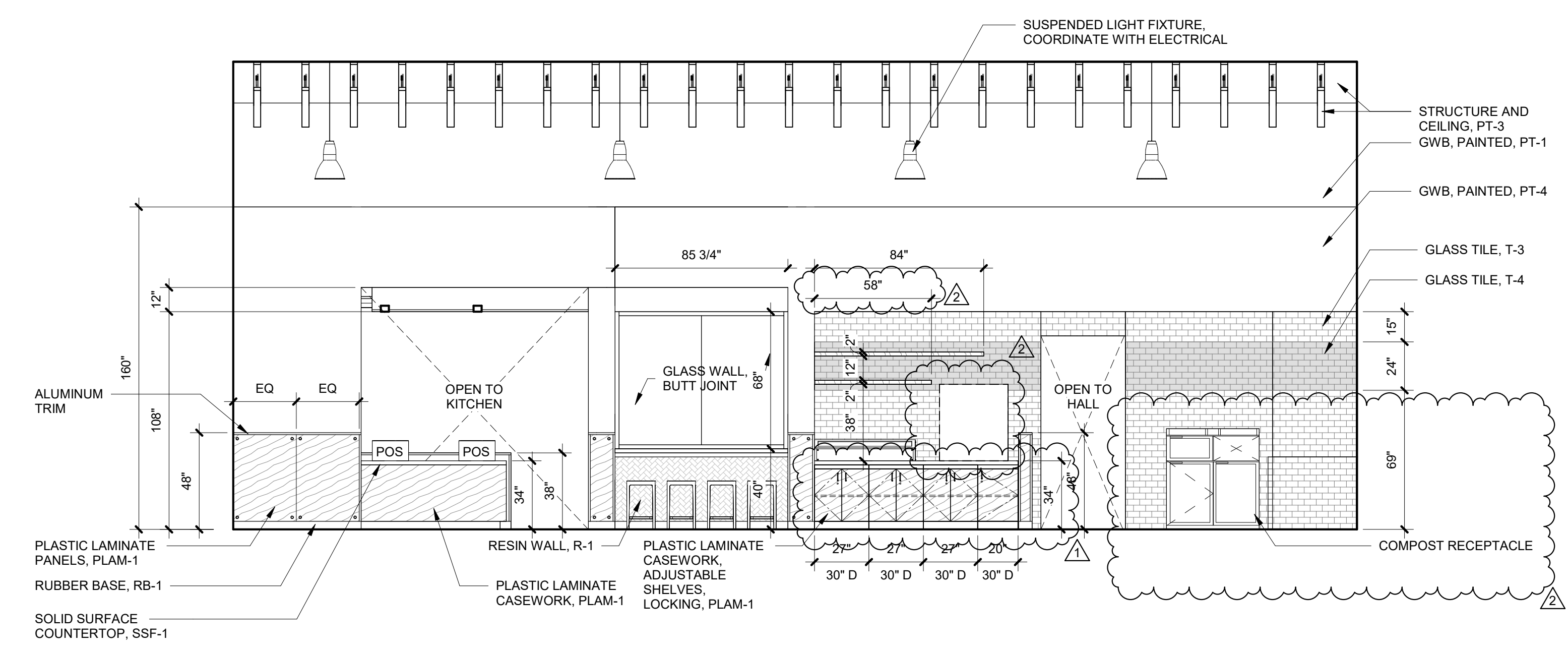
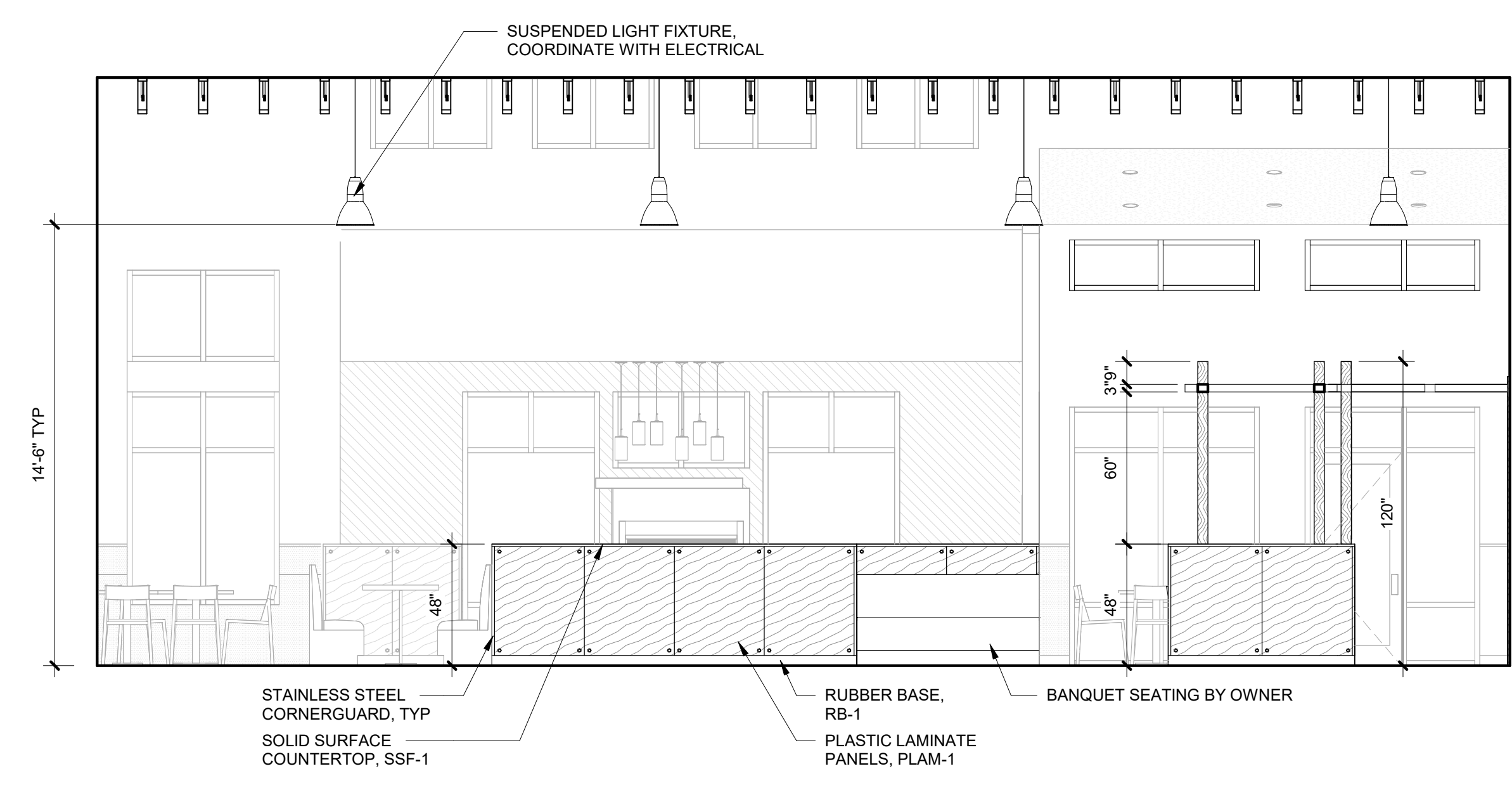
Building	Planning
Engineering	Public Works
Fire	Traffic



9 103 DINING WEST  
1/4" = 1'-0"

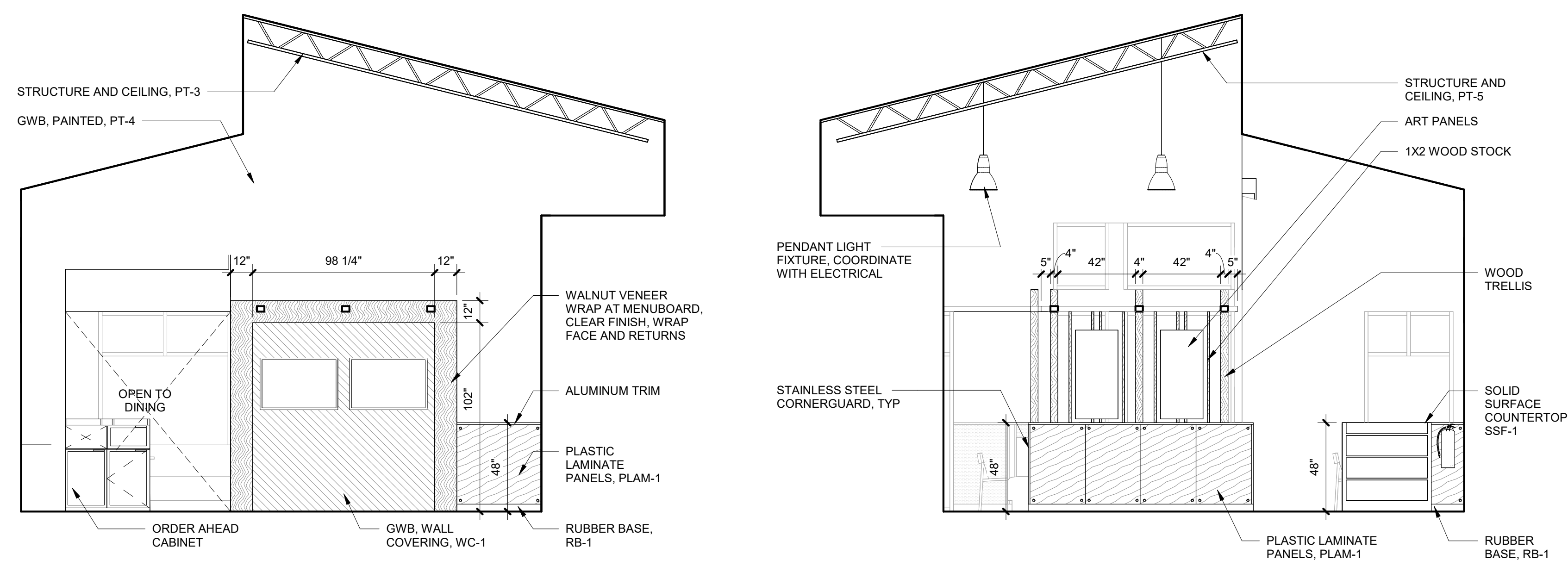
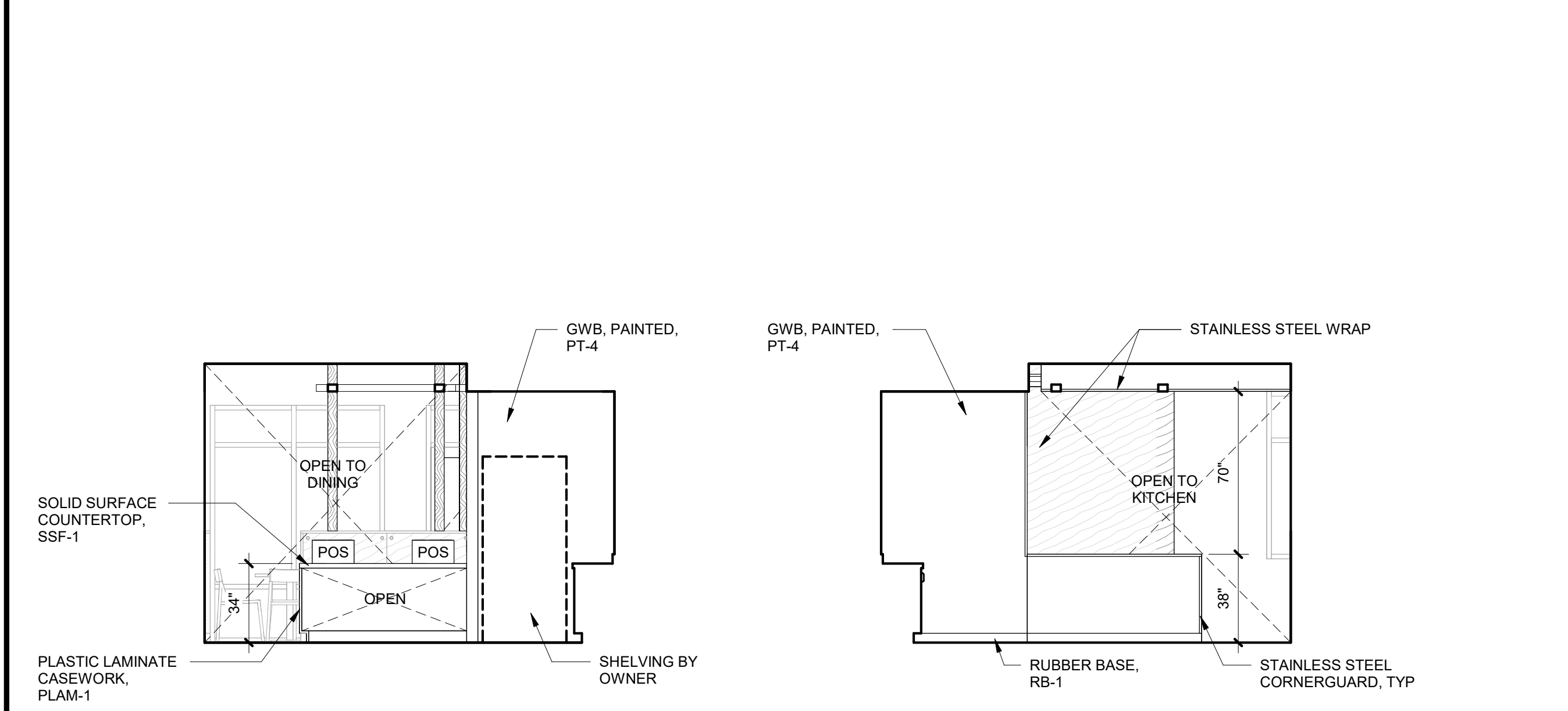
8 103 DINING SOUTH  
1/4" = 1'-0"

7 103 DINING NORTH  
1/4" = 1'-0"



6 102/106 POS/CONDIMENT STATION SOUTH  
1/4" = 1'-0"

5 102/106 POS/CONDIMENT STATION NORTH  
1/4" = 1'-0"



4 102 POS SOUTH  
1/4" = 1'-0"

3 102 POS NORTH  
1/4" = 1'-0"

2 101 QUEUING WEST  
1/4" = 1'-0"

1 101 QUEUING EAST  
1/4" = 1'-0"

PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
1115 EAST MAIN STREET  
PUYALLUP, WA 98372

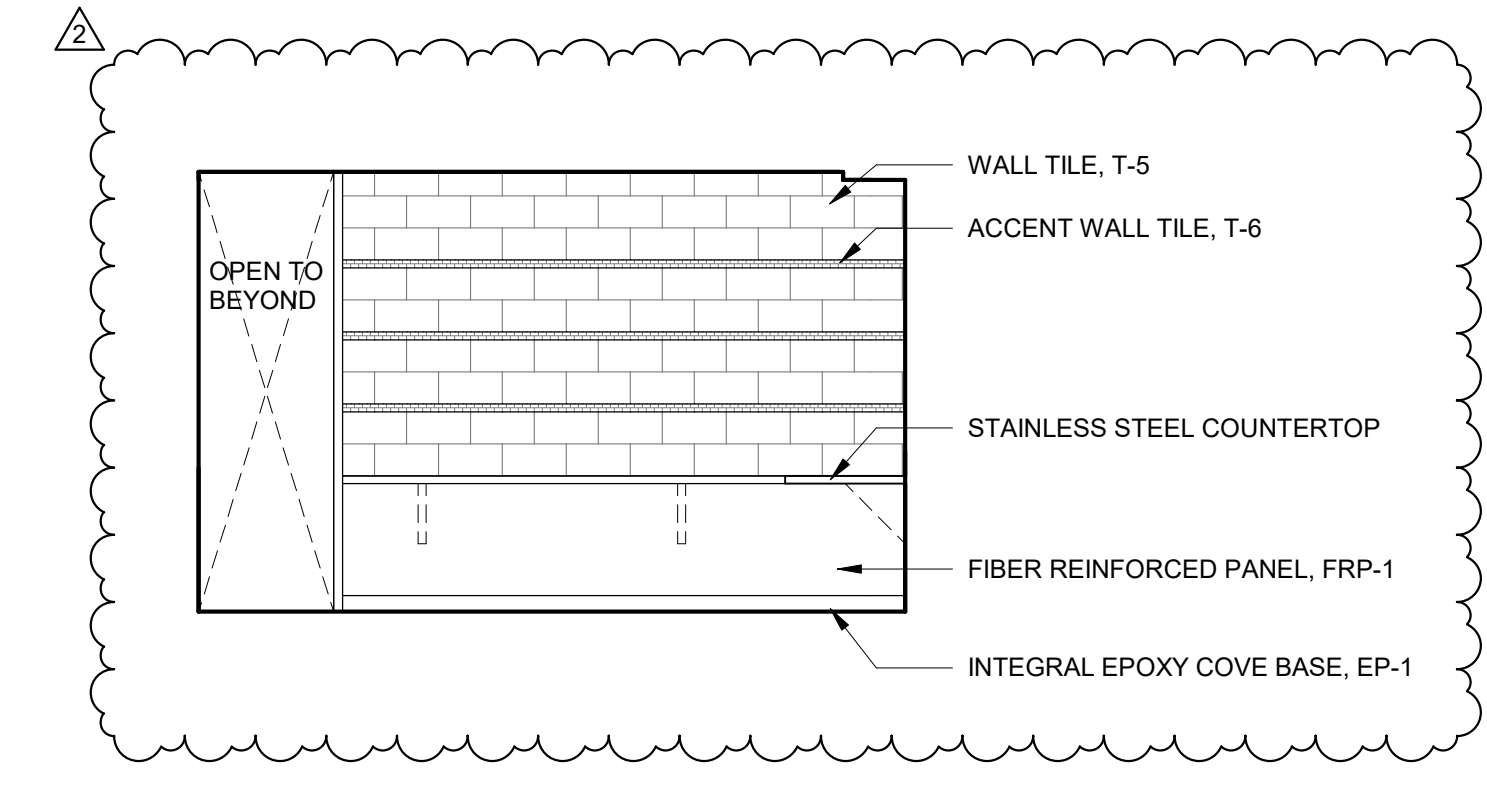
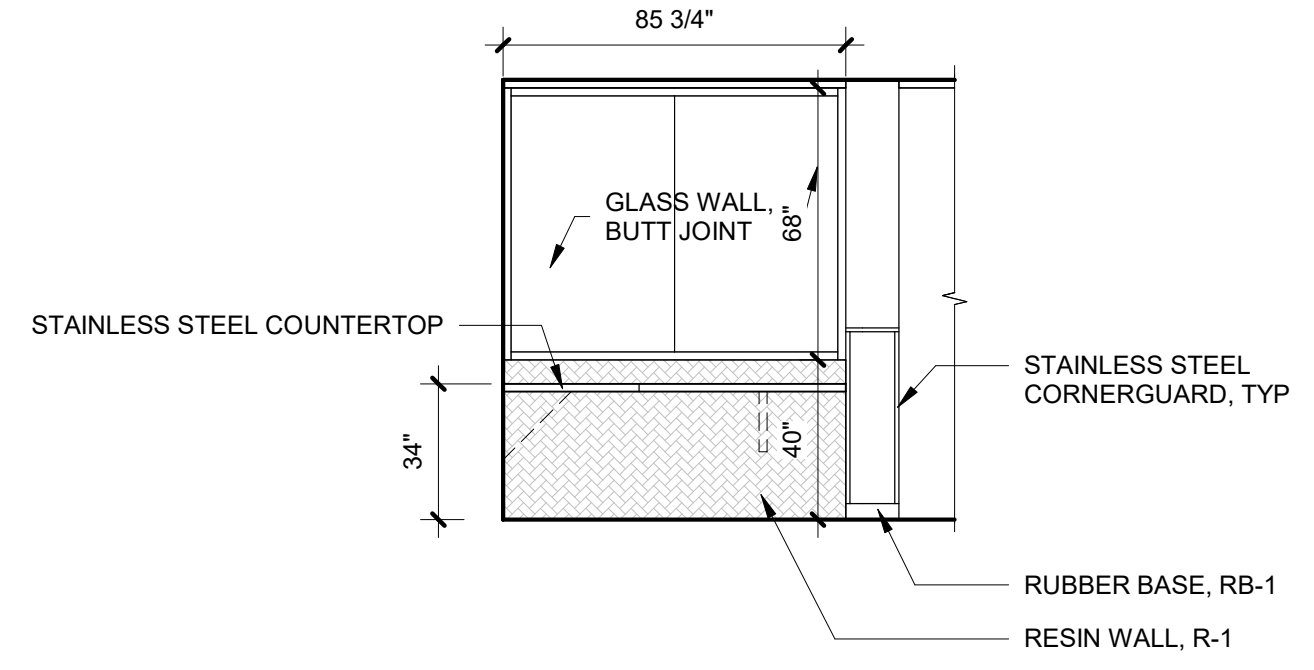
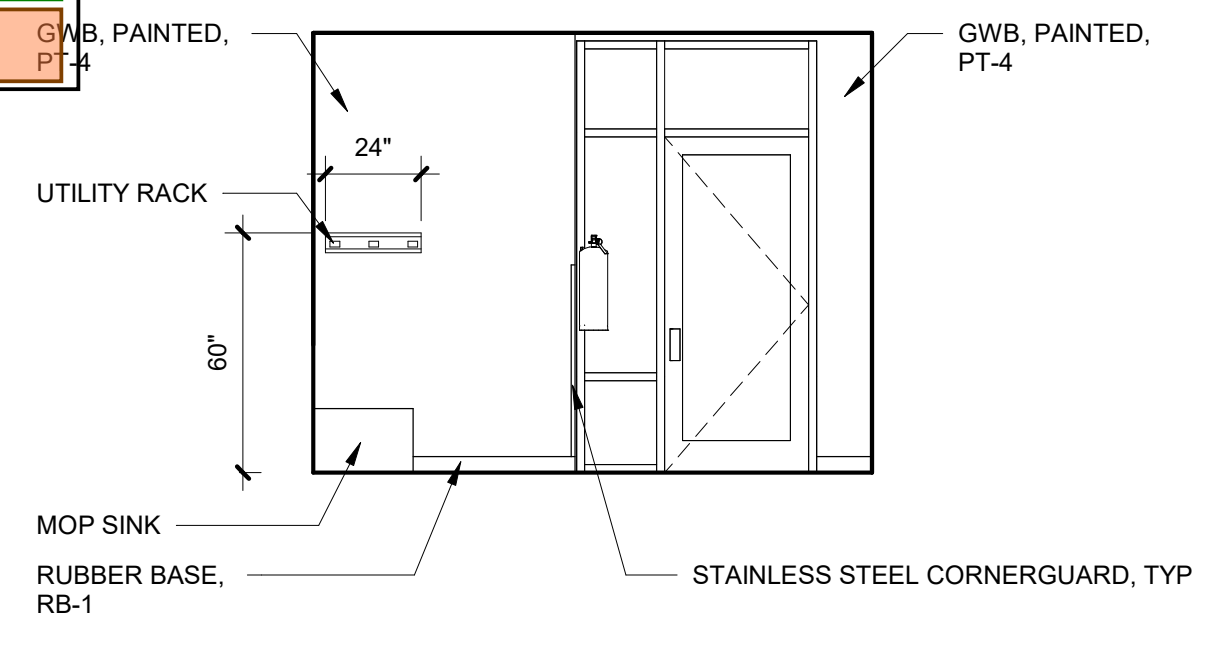
REVISIONS

1	ADDENDUM #1	2023.12.22
2	ADDENDUM #2	2024.03.04

DATE: 7.1.2022  
BCSA NO: 19110.00.00  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: INTERIOR ELEVATIONS

**City of Puyallup**  
Development & Permitting Services  
**ISSUED PERMIT**

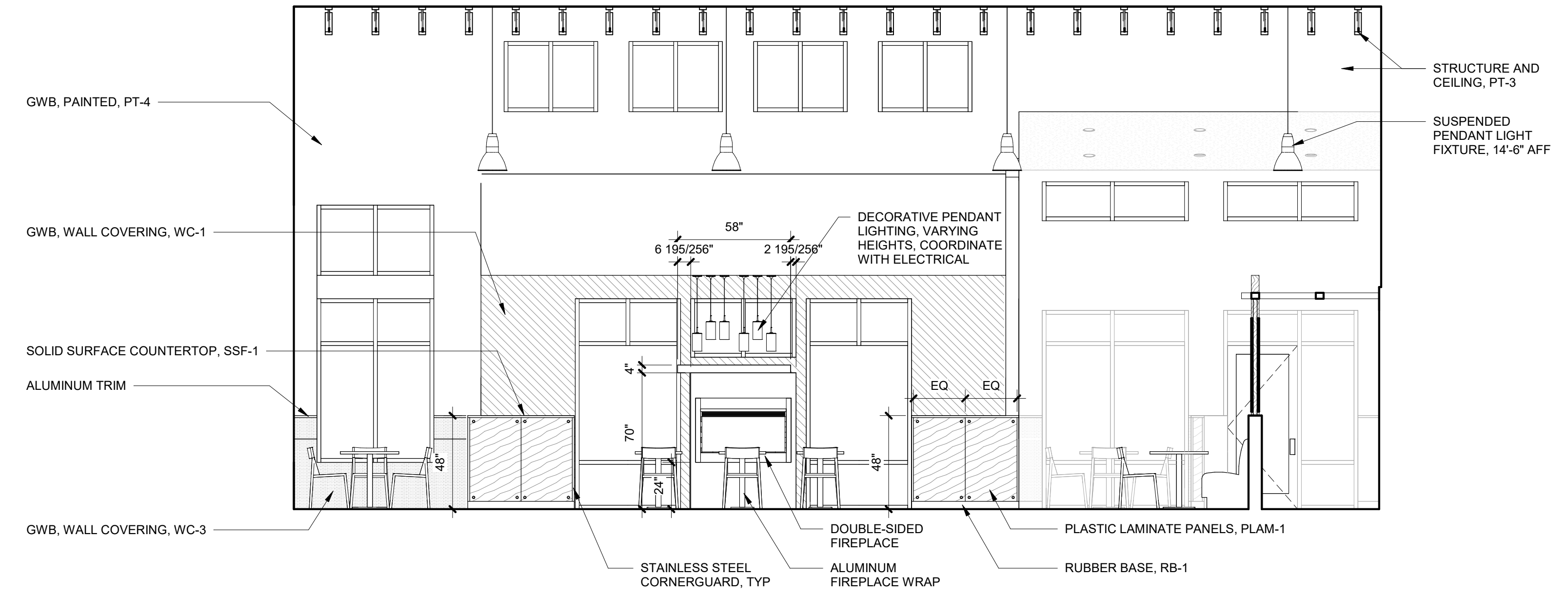
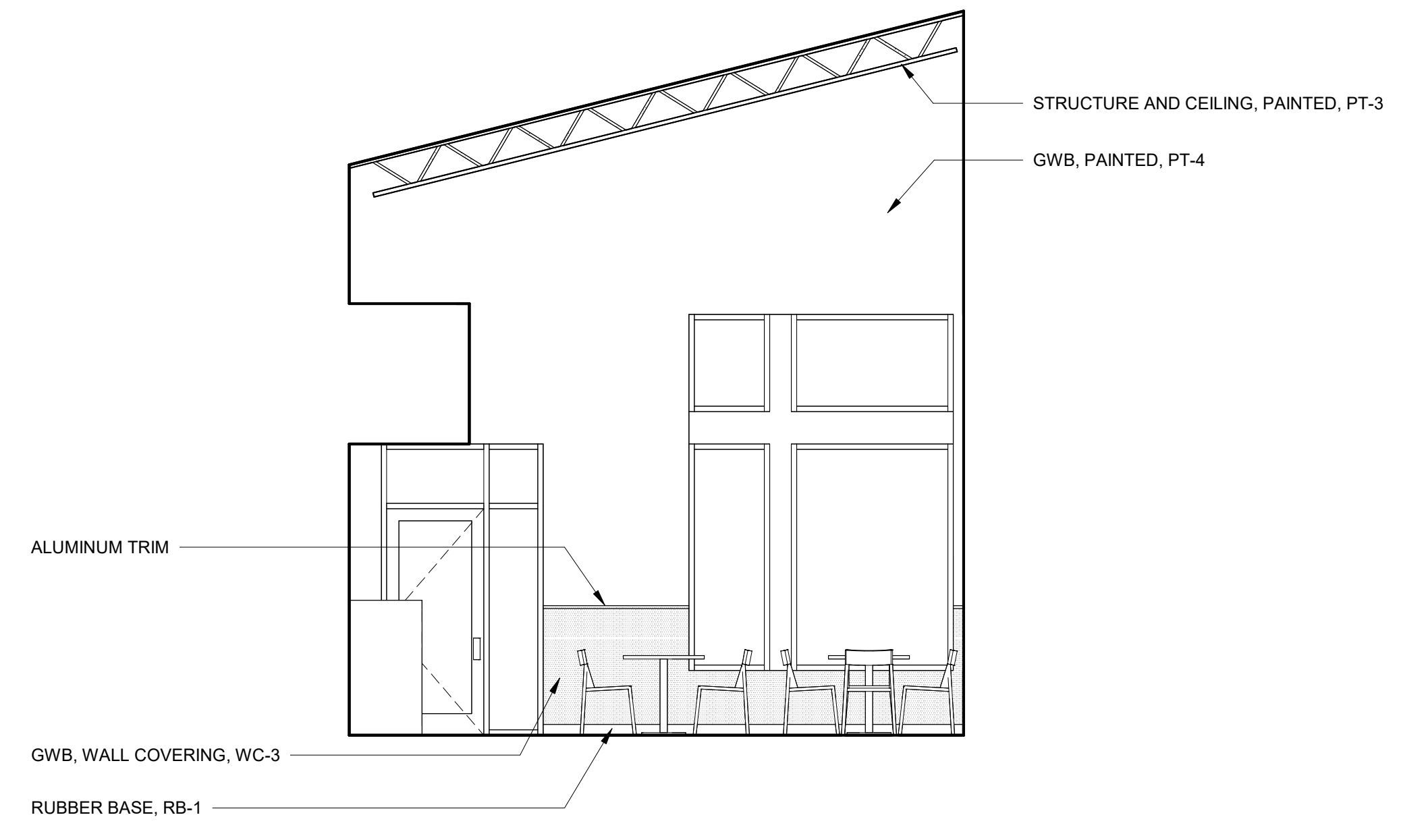
Building	Planning
Engineering	Public Works
Fire	Traffic



**7** 115 DRY STORAGE WEST  
1/4" = 1'-0"

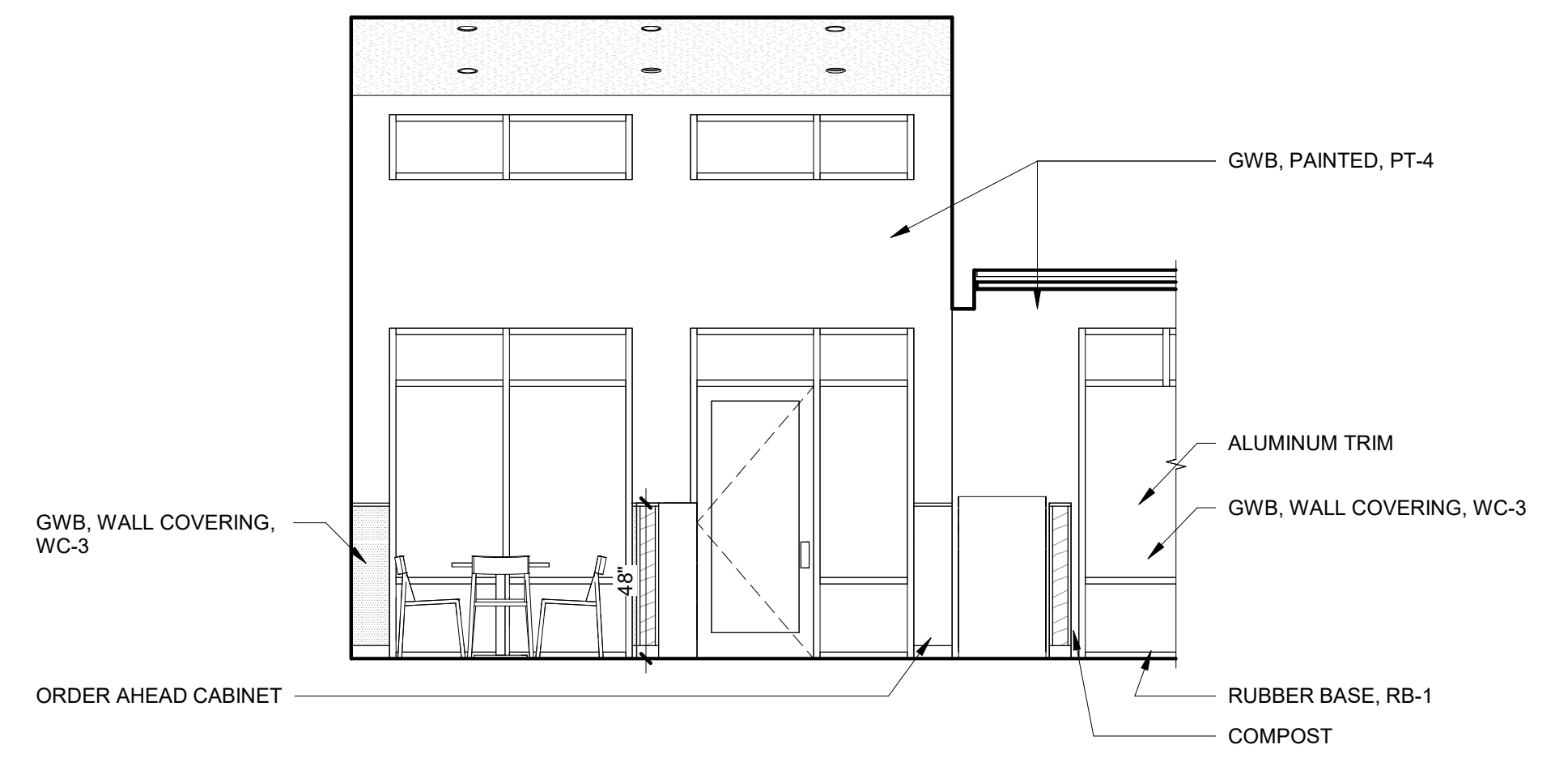
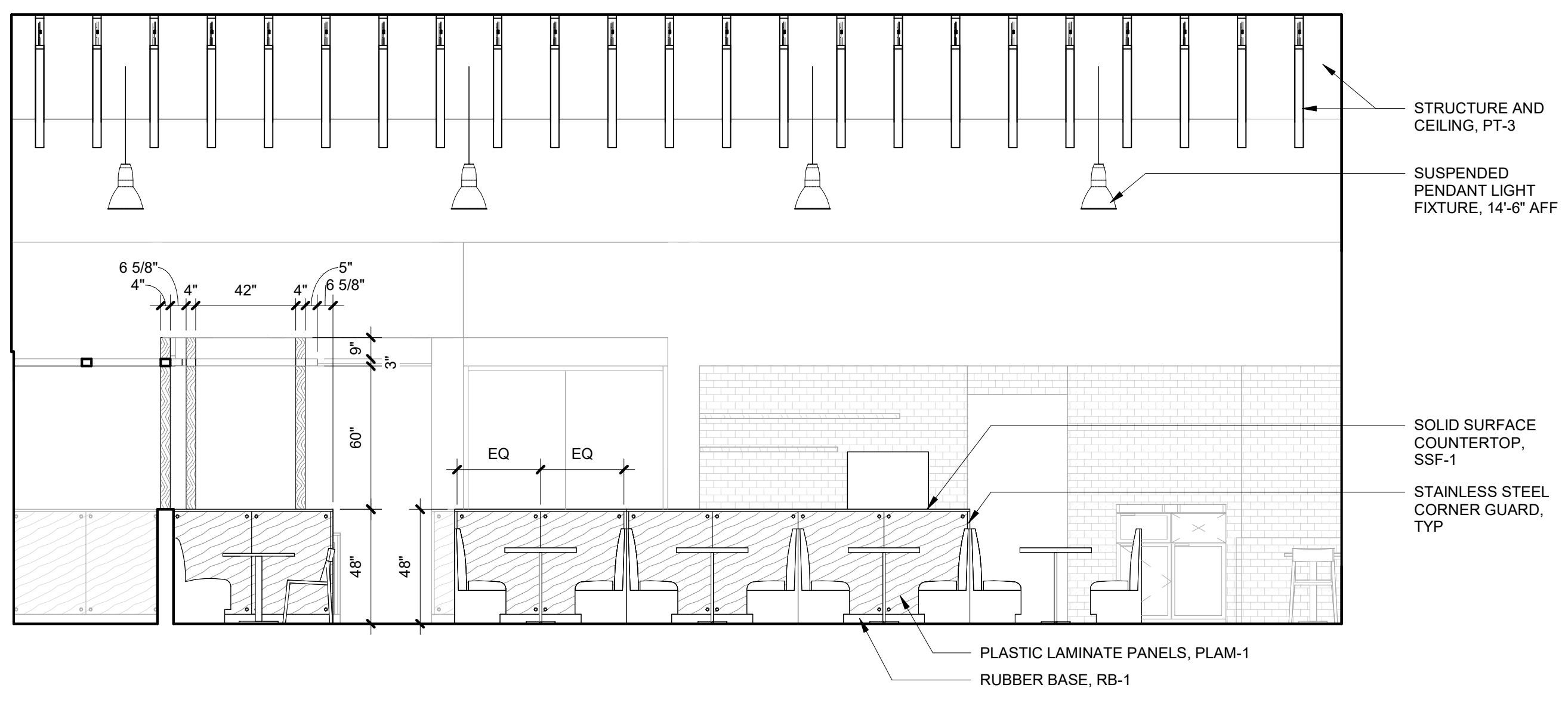
**6** 110 FOOD PREP SOUTH  
1/4" = 1'-0"

**5** 110 FOOD PREP EAST  
1/4" = 1'-0"



**4** 105 DINING EAST  
1/4" = 1'-0"

**3** 104/105 DINING SOUTH  
1/4" = 1'-0"



**2** 104/105 DINING NORTH  
1/4" = 1'-0"

**1** 104 DINING SOUTH  
1/4" = 1'-0"

PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
1115 EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS

2	ADDENDUM #2	2024.03.04

DATE: 7.1.2022  
BCSA NO: 19110.00.00  
DRAWN BY: Author  
REVIEWED BY:  
SHEET TITLE: INTERIOR ELEVATIONS

**City of Puyallup**  
Development & Permitting Services  
**ISSUED PERMIT**

Building	Planning
Engineering	Public Works
Fire	Traffic

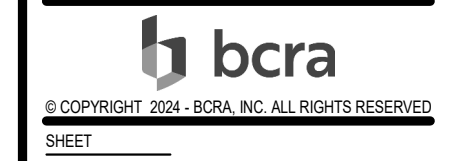


**PROJECT:**  
NEW CONSTRUCTION  
**TACO TIME**  
1115 EAST MAIN STREET  
PUYALLUP, WA 98372

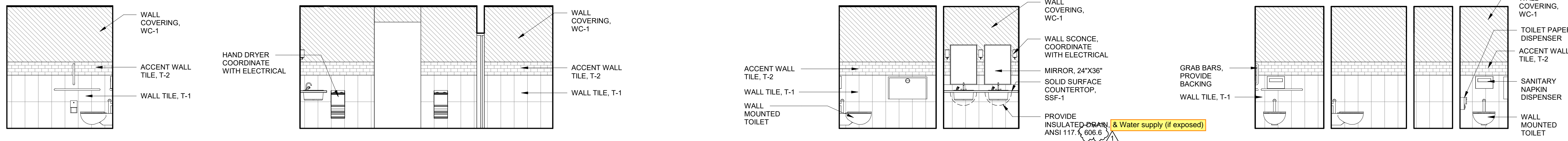
REVISIONS

1	ADDENDUM #1	2023.12.22
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DATE: 7.1.2022  
BCSA NO: 19110.00.00  
DRAWN BY: Author  
REVIEWED BY:  
SHEET TITLE: INTERIOR ELEVATIONS



**A-213**  
PERMIT SET



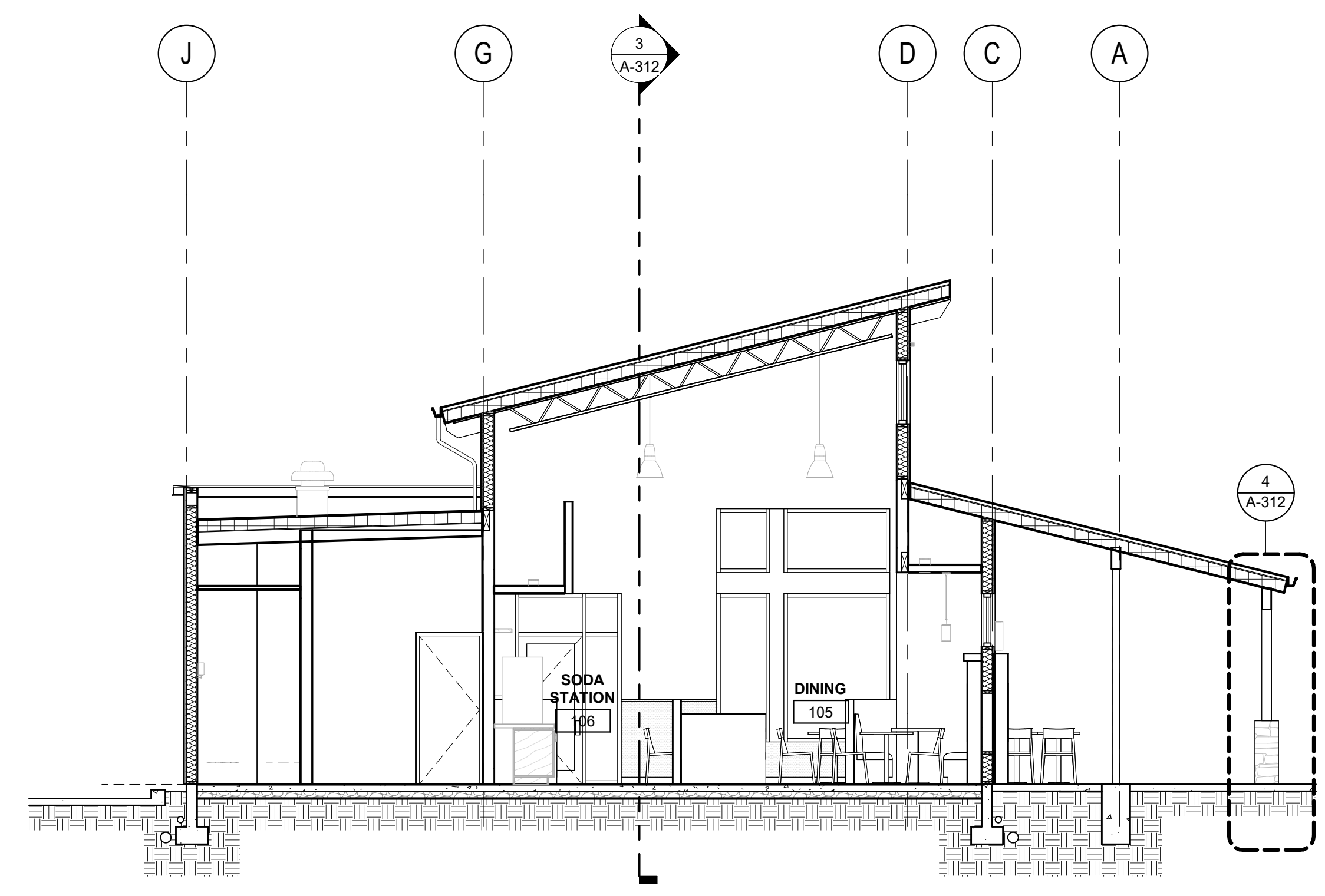
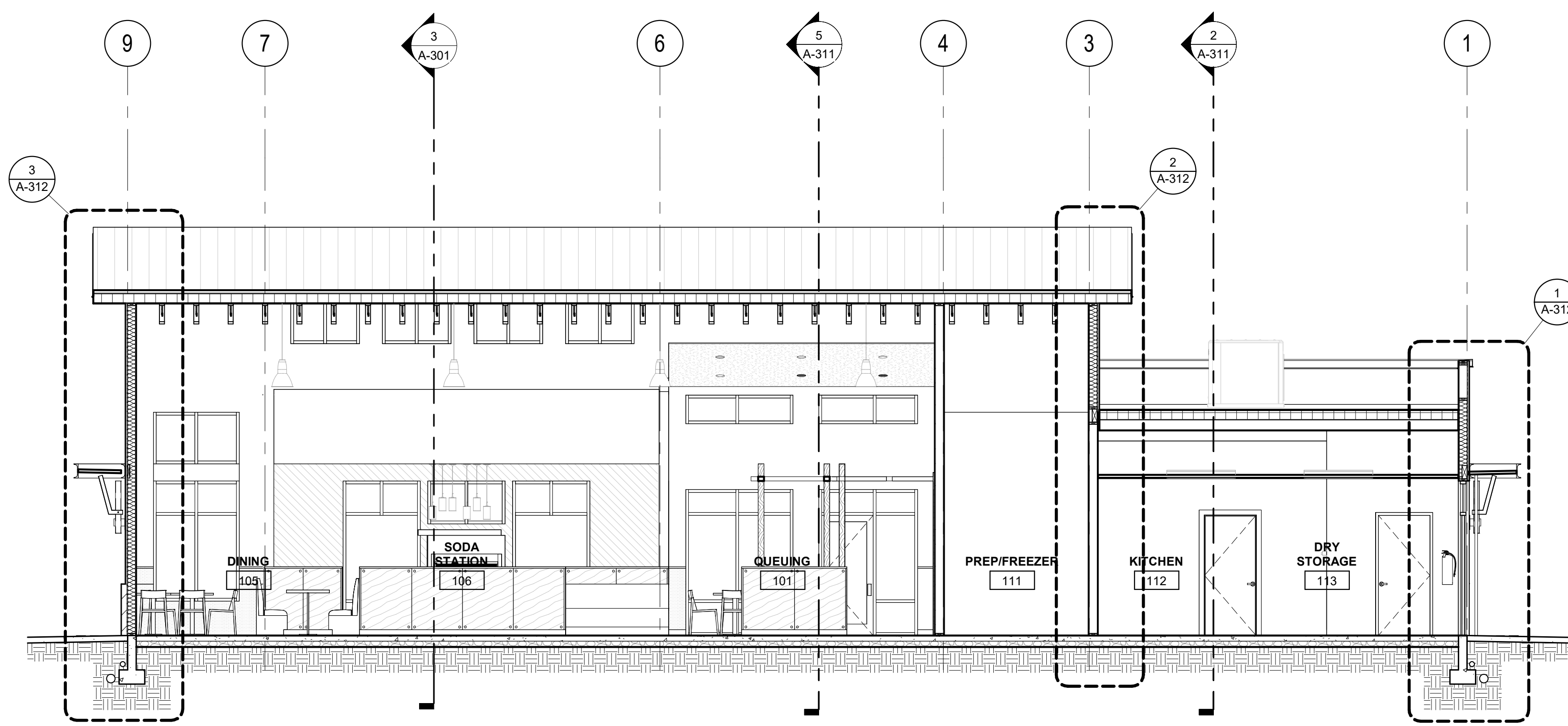
4	107 RESTROOM WEST 1/4" = 1'-0"	3	107 RESTROOM SOUTH 1/4" = 1'-0"	2	107 RESTROOM EAST 1/4" = 1'-0"	1	107 RESTROOM NORTH 1/4" = 1'-0"
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IF SHEET MEASURES LESS THAN 24"X36", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

City of Puyallup  
Development & Permitting Services  
**ISSUED PERMIT**

Building	Planning
Engineering	Public Works
Fire	Traffic

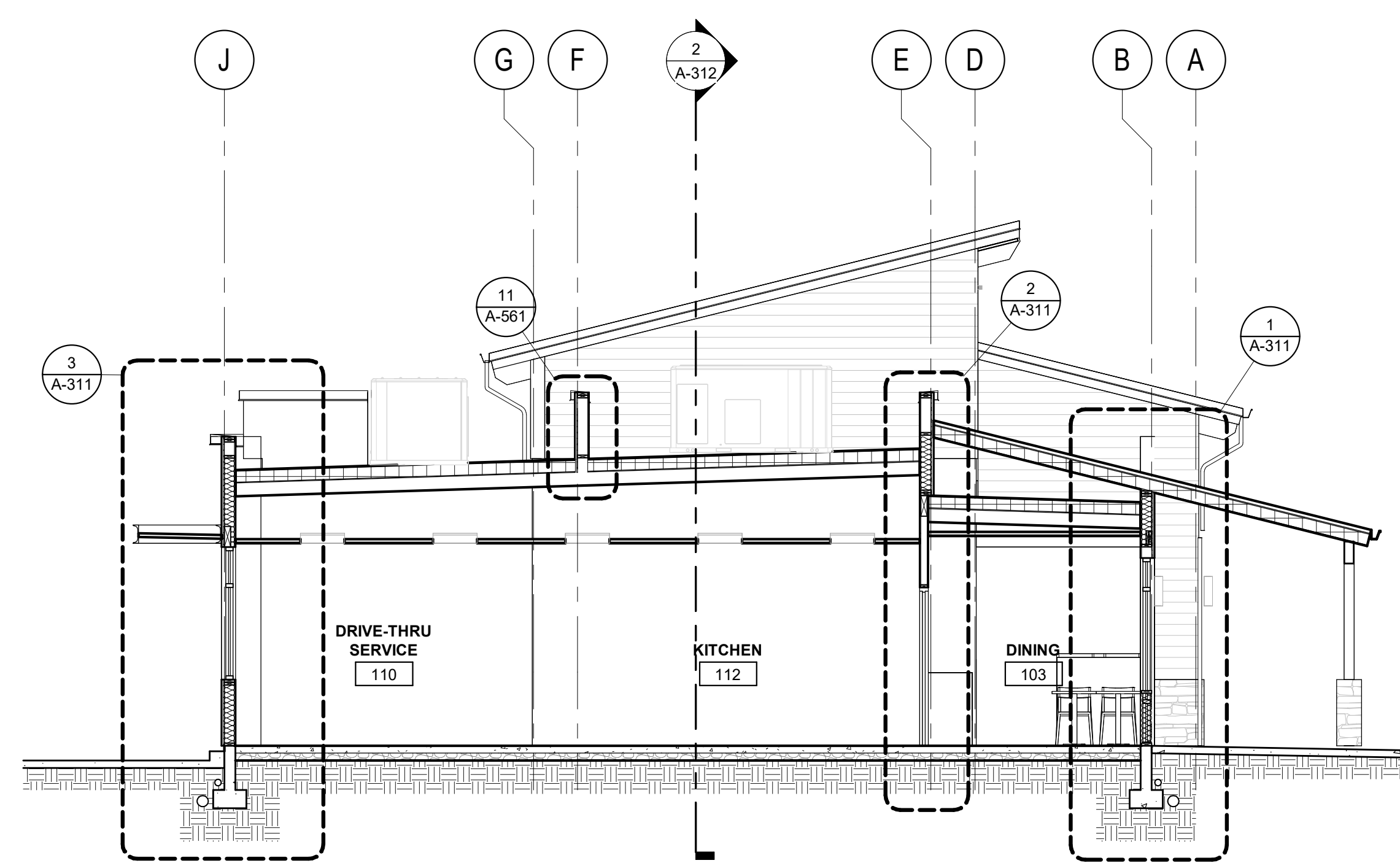
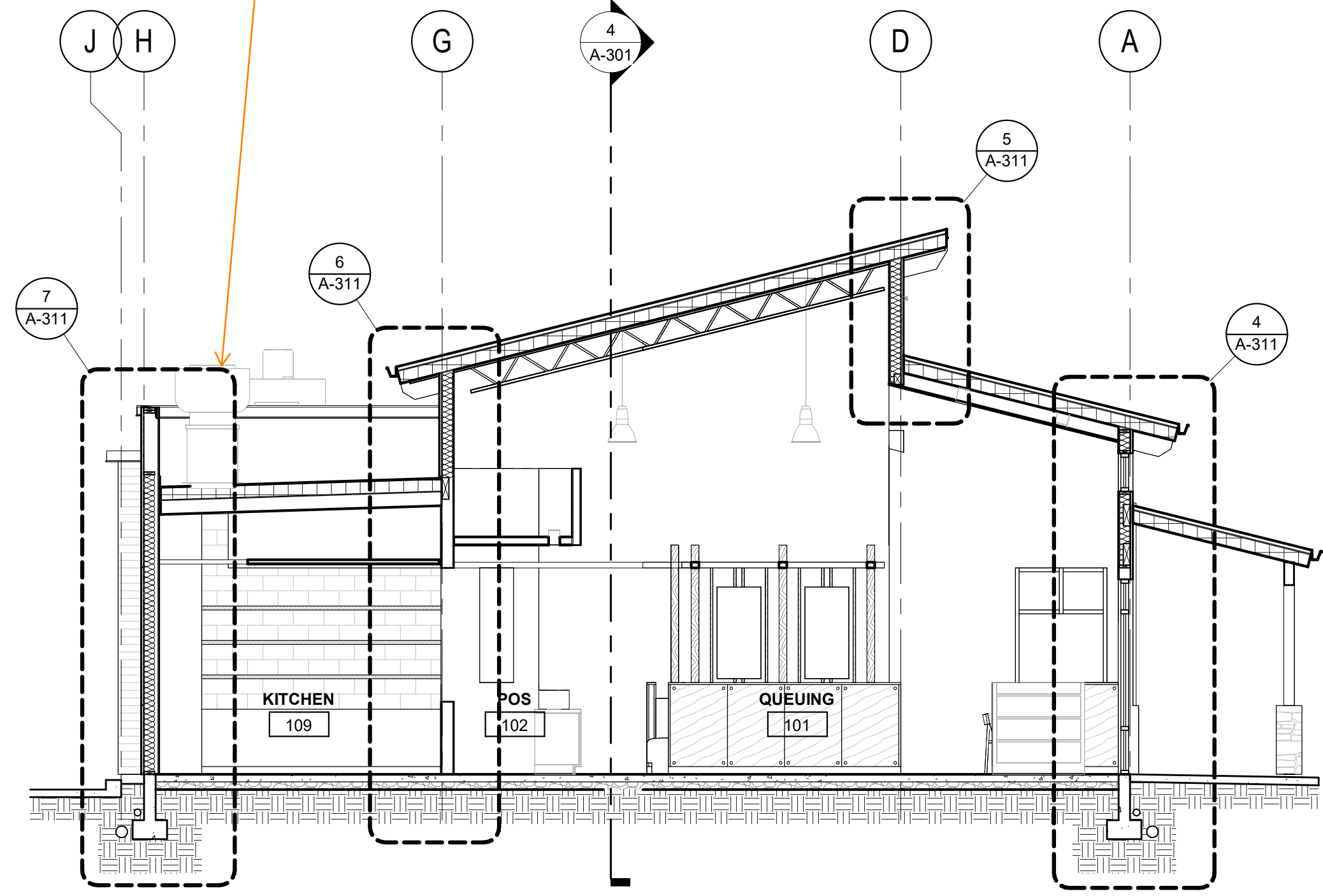
5664 REGISTERED ARCHITECT  
DOUGLAS P. OBERST  
STATE OF WASHINGTON



**4** BUILDING SECTION  
3/16" = 1'-0"

**3** BUILDING SECTION  
3/16" = 1'-0"

Grease Exhaust location and clearances to comply with section 506.3.13.3 of the 2018 Washington State Mechanical Code.  
506.3.13.3 Termination Location  
Exhaust outlets shall be located not less than 10 feet (3048 mm) horizontally from parts of the same or contiguous buildings, adjacent buildings and adjacent property lines and shall be located not less than 10 feet (3048 mm) above the adjoining grade level. Exhaust outlets shall be located not less than 10 feet (3048 mm) horizontally from or not less than 3 feet (914 mm) above air intake openings into any building.  
Exception: Exhaust outlets shall terminate not less than 5 feet (1524 mm) horizontally from parts of the same or contiguous building, an adjacent building, adjacent property line and air intake openings into a building where air from the exhaust outlet discharges away from such locations.



**2** BUILDING SECTION  
3/16" = 1'-0"

**1** BUILDING SECTION  
3/16" = 1'-0"

PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
1115 EAST MAIN STREET  
PUYALLUP, WA 98372

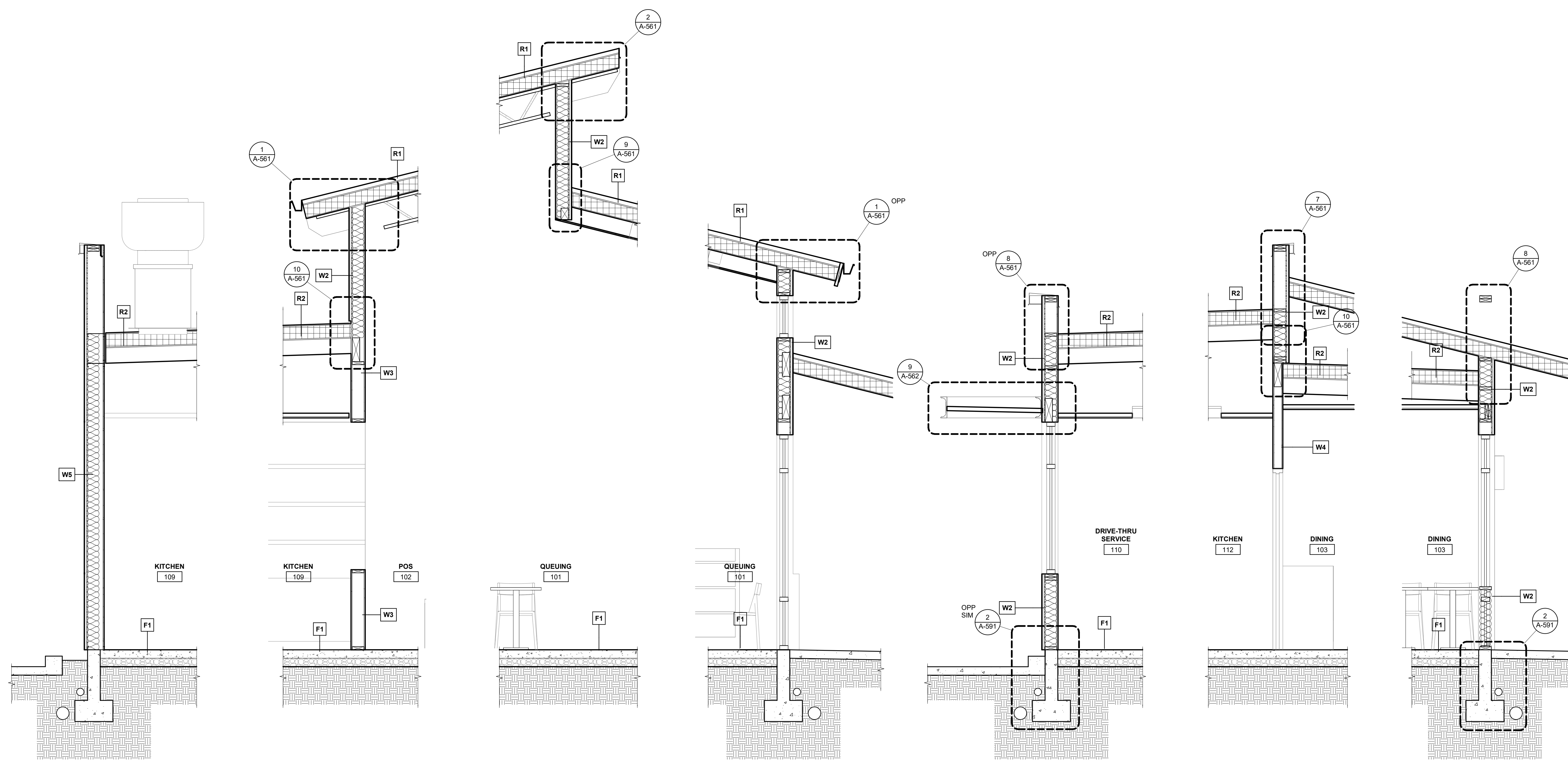
REVISIONS


DATE: 7.1.2022  
BCRA NO: 19110.00.00  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: BUILDING SECTIONS

City of Puyallup  
Development & Permitting Services  
**ISSUED PERMIT**

Building	Planning
Engineering	Public Works
Fire	Traffic

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REGISTERED ARCHITECT  
DOUGLAS P. OBERST  
STATE OF WASHINGTON



**7** WALL SECTION 1/2" = 1'-0"  
**6** WALL SECTION 1/2" = 1'-0"  
**5** WALL SECTION 1/2" = 1'-0"  
**4** WALL SECTION 1/2" = 1'-0"  
**3** WALL SECTION 1/2" = 1'-0"  
**2** WALL SECTION 1/2" = 1'-0"  
**1** WALL SECTION 1/2" = 1'-0"

PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
1115 EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS

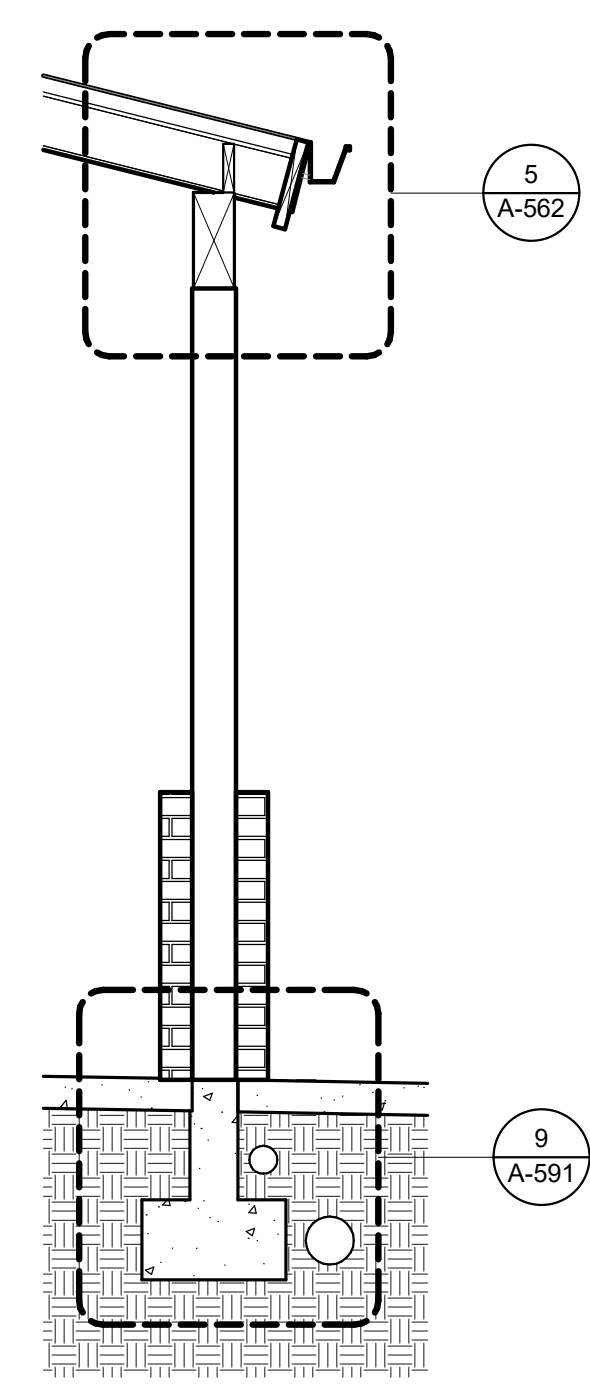

DATE: 7.1.2022  
 BCRA NO: 19110.00.00  
 DRAWN BY: \_\_\_\_\_  
 REVIEWED BY: \_\_\_\_\_  
 SHEET TITLE: WALL SECTIONS

IF SHEET MEASURES LESS THAN 24"X36", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

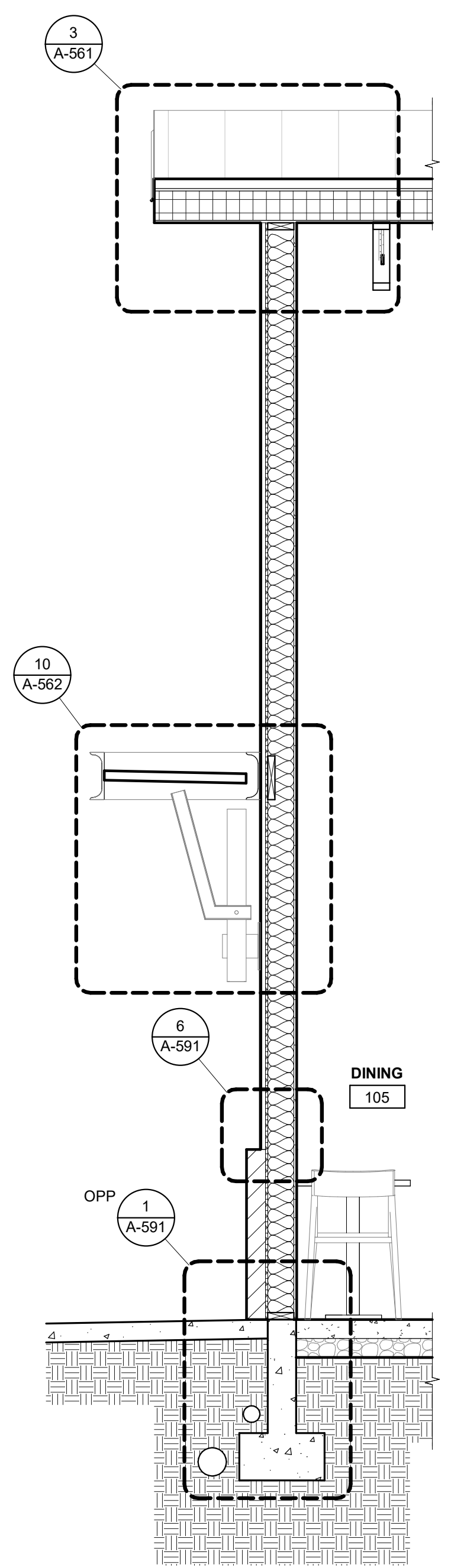


City of Puyallup  
Development & Permitting Services  
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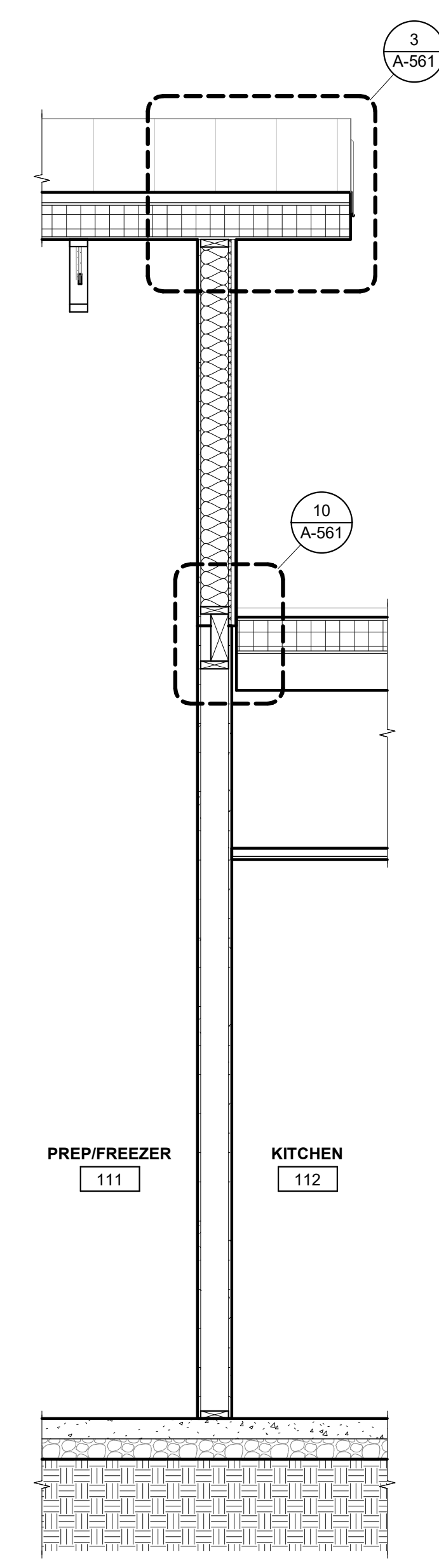
Building	Planning
Engineering	Public Works
Fire	Traffic



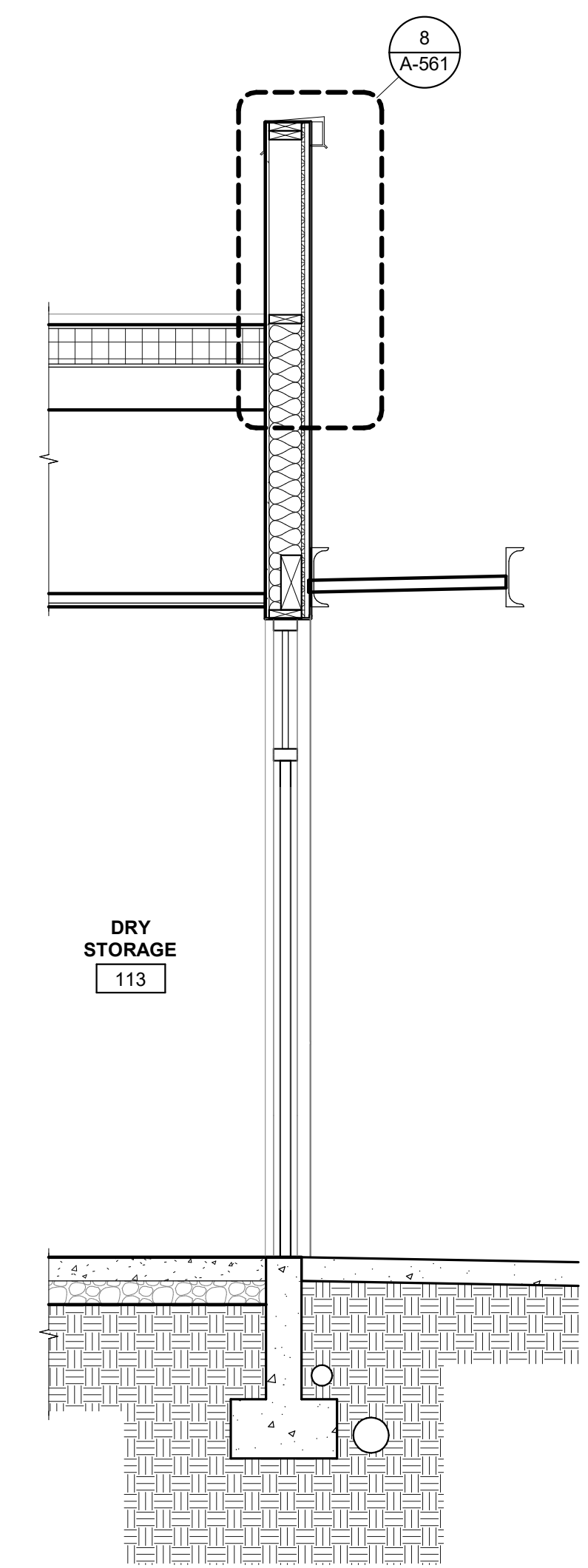
**4** WALL SECTION  
1/2" = 1'-0"



**3** WALL SECTION  
1/2" = 1'-0"



**2** WALL SECTION  
1/2" = 1'-0"



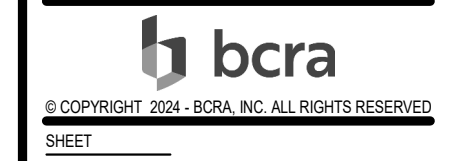
**1** WALL SECTION  
1/2" = 1'-0"

PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
1115 EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS

NO.	DATE	DESCRIPTION

DATE: 7.1.2022  
BCSA NO: 19110.00.00  
DRAWN BY: Author  
REVIEWED BY:  
SHEET TITLE: WALL SECTION



**A-312**

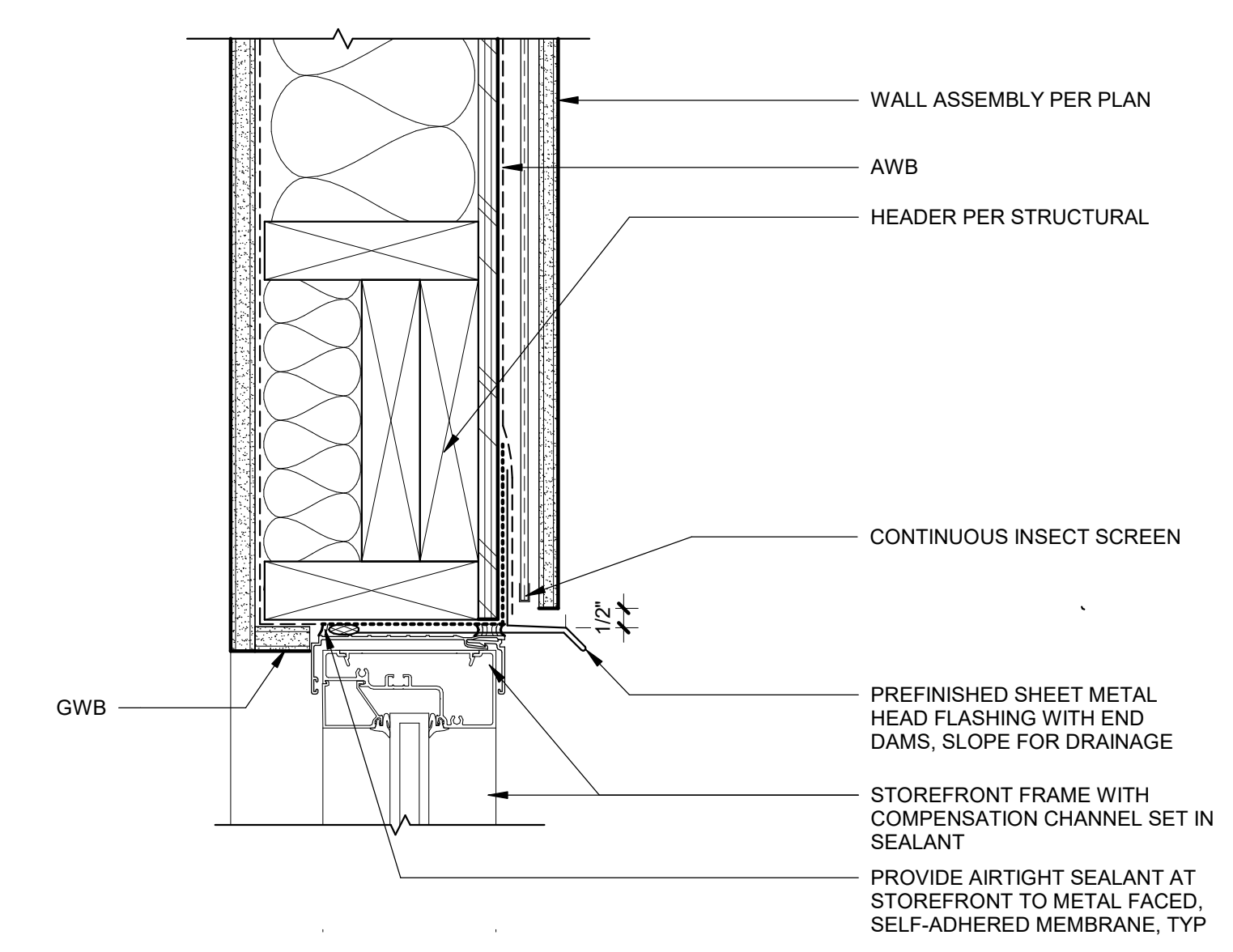
PERMIT SET

IF SHEET MEASURES LESS THAN 24"X36", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

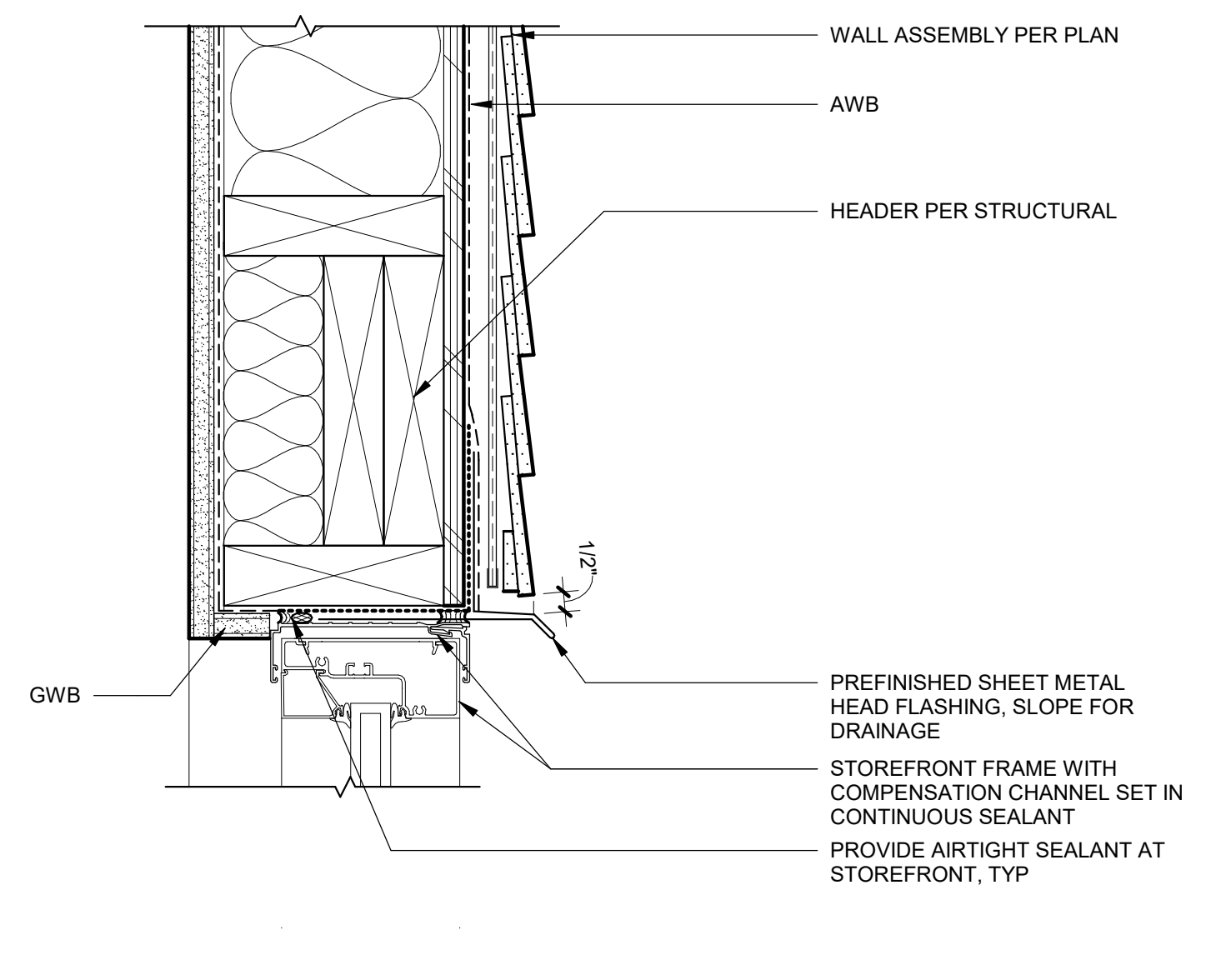
City of Puyallup  
Development & Permitting Services  
**ISSUED PERMIT**

Building	Planning
Engineering	Public Works
Fire	Traffic

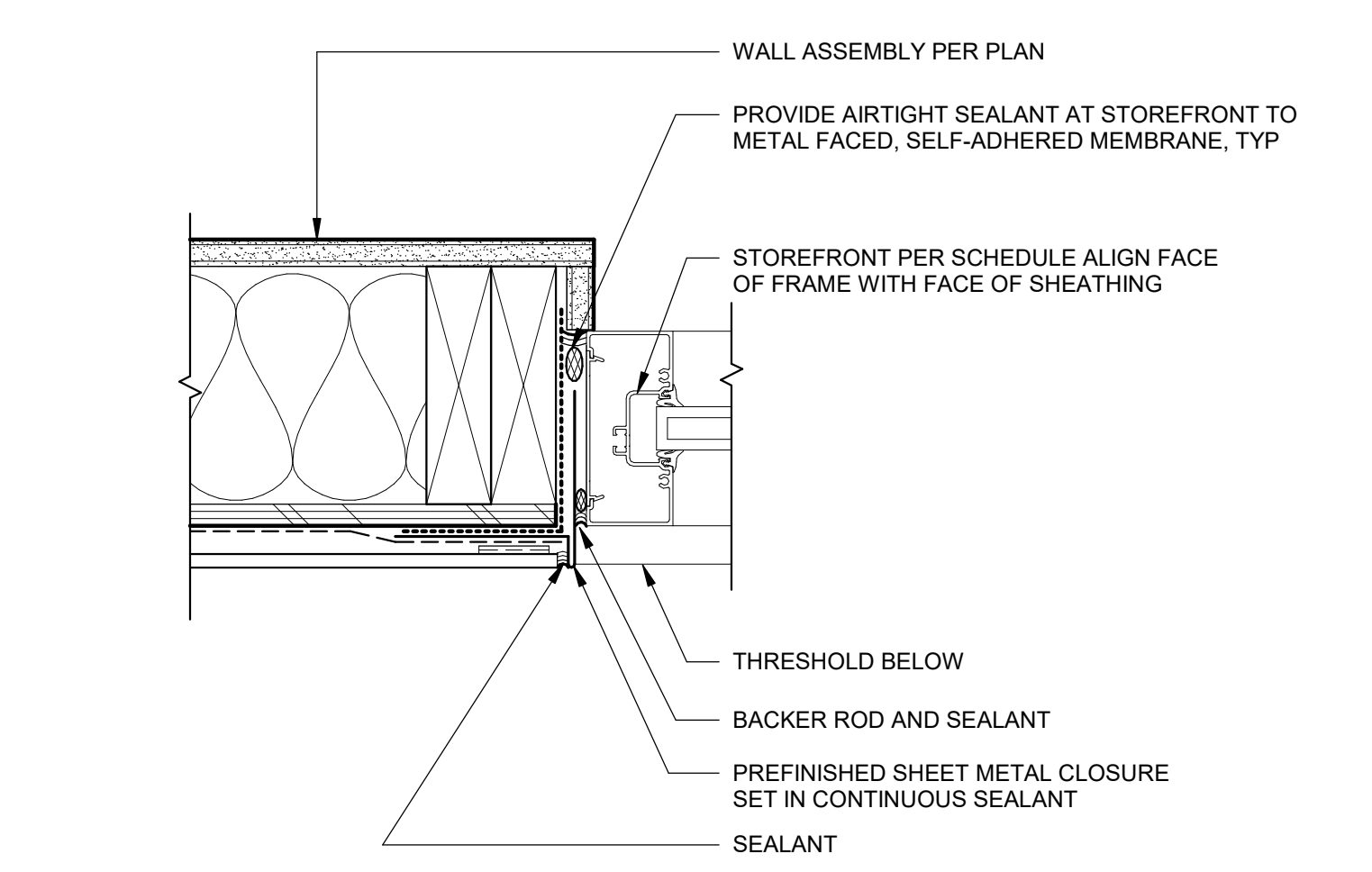
5664  
REGISTERED  
ARCHITECT  
DOUGLAS P. OBERST  
STATE OF WASHINGTON



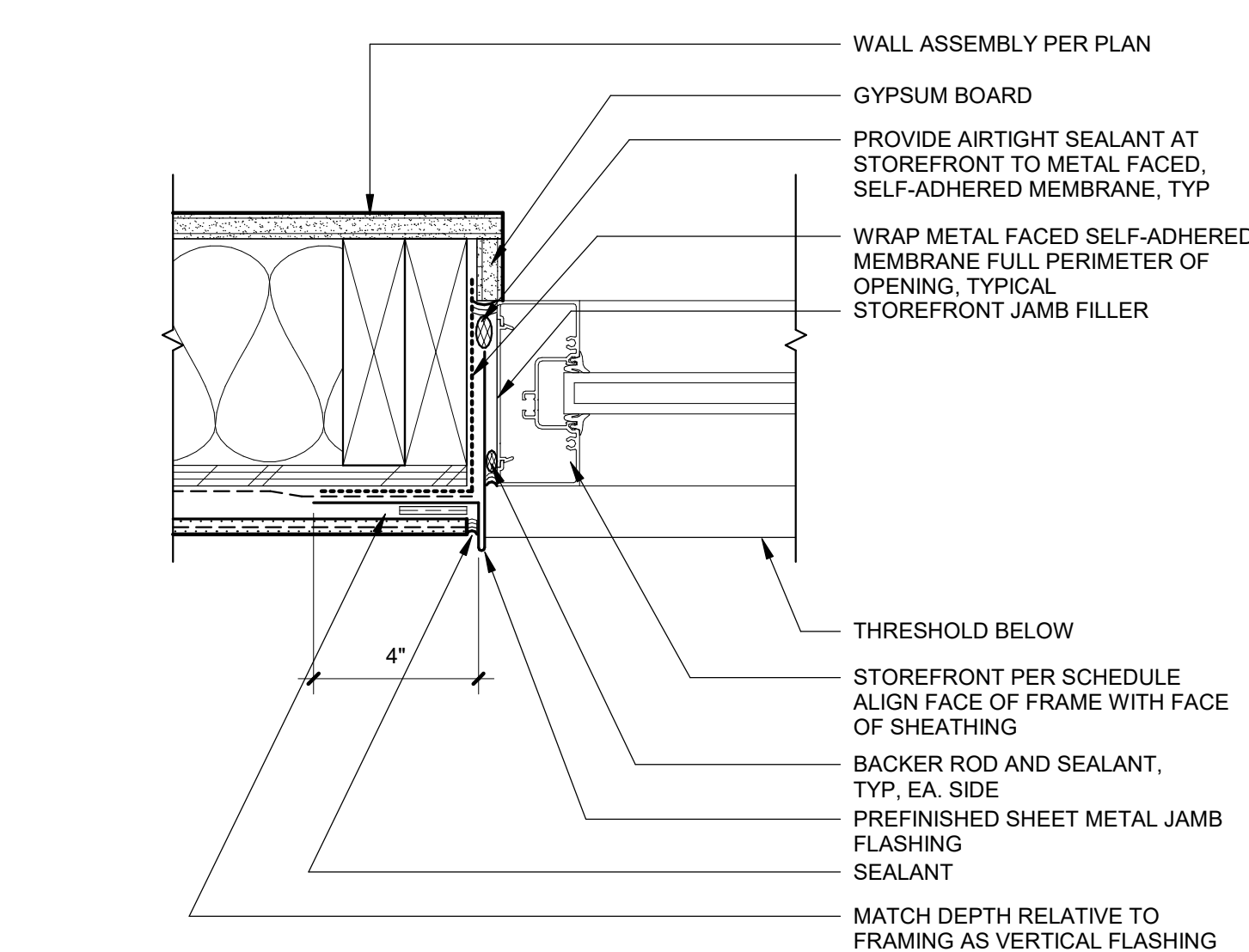
9 STOREFRONT HEAD AT FIBER CEMENT  
3" = 1'-0"



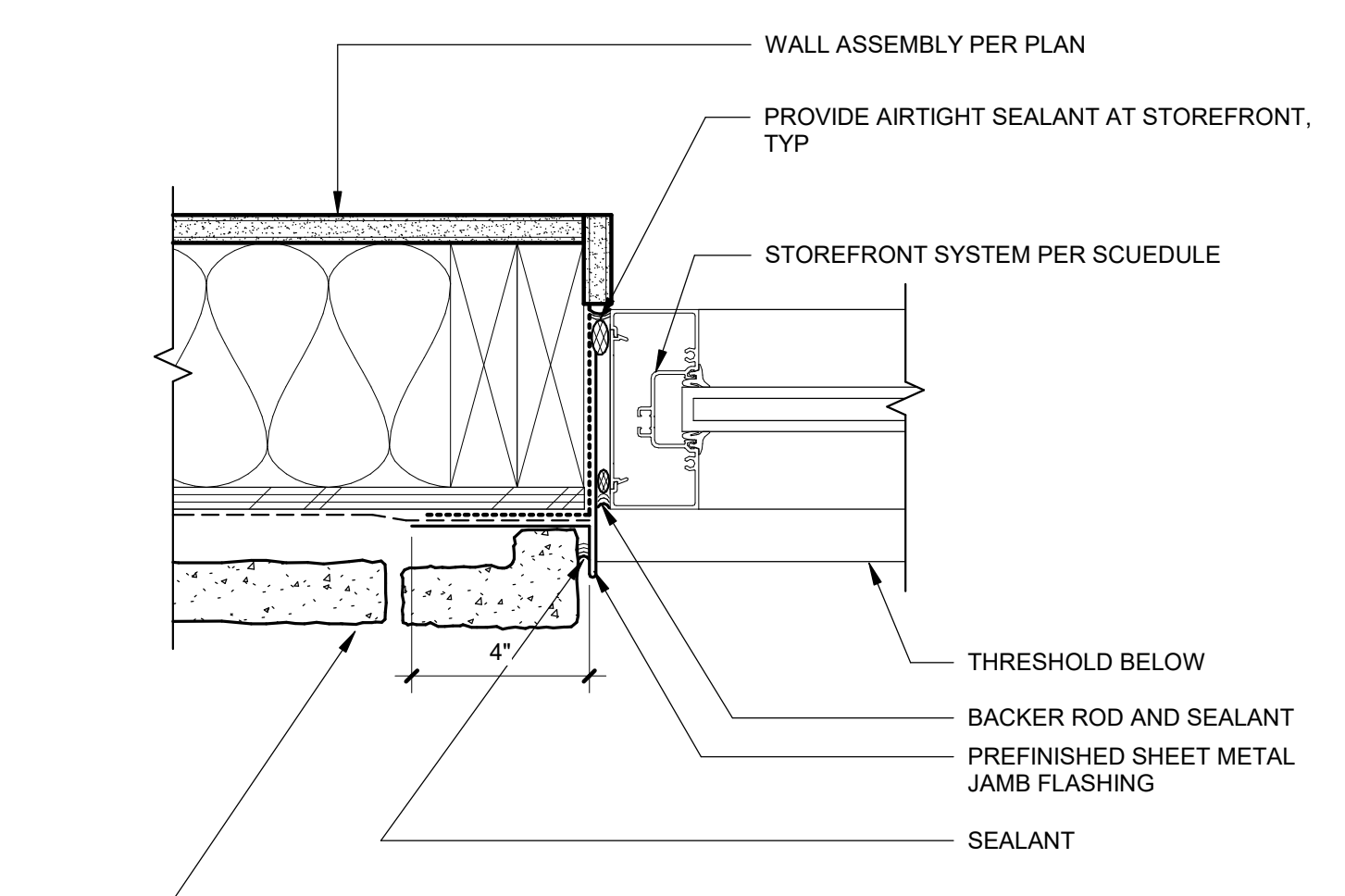
6 STOREFRONT HEAD AT LAP SIDING  
3" = 1'-0"



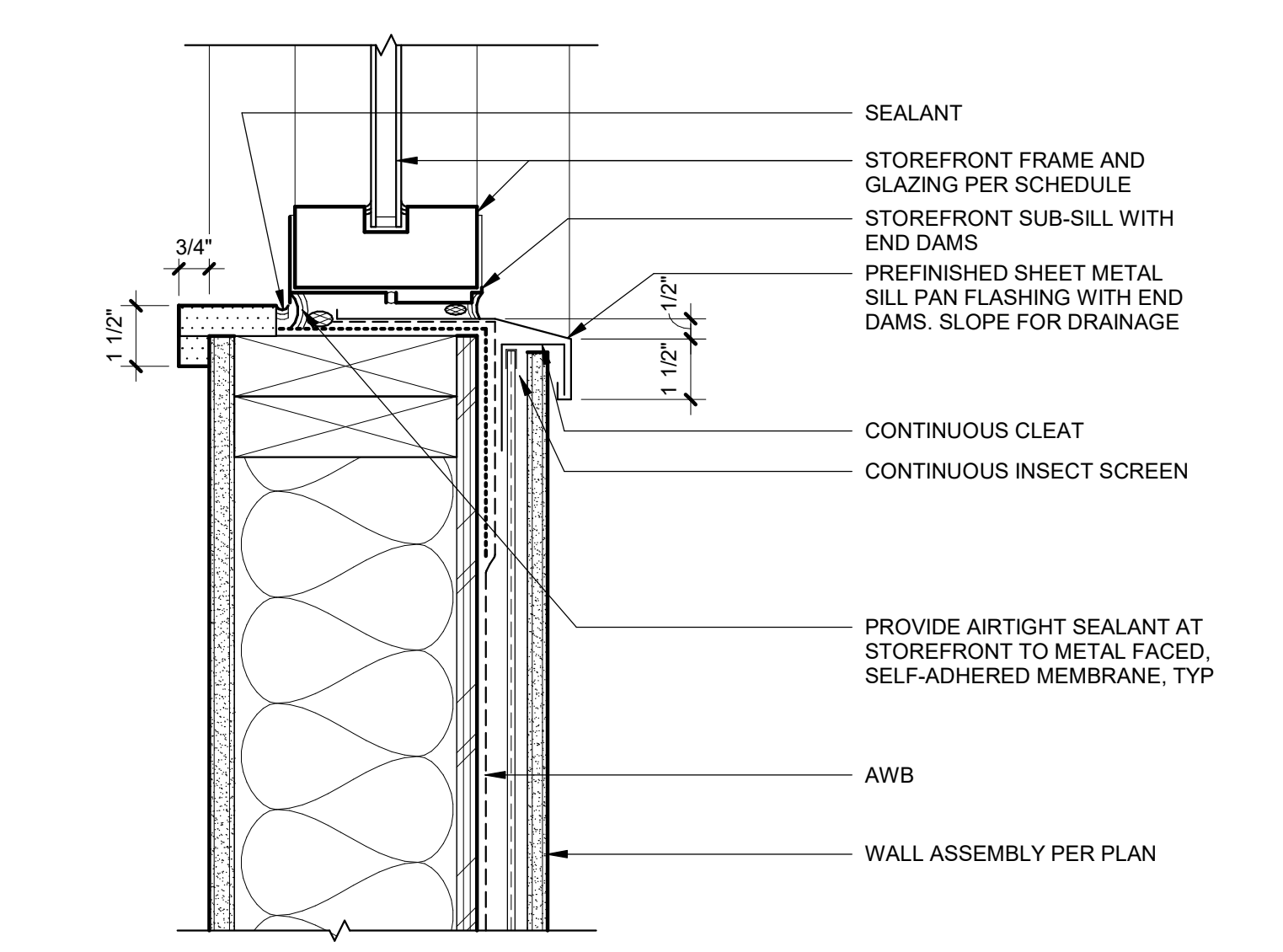
8 STOREFRONT JAMB AT FIBER CEMENT  
3" = 1'-0"



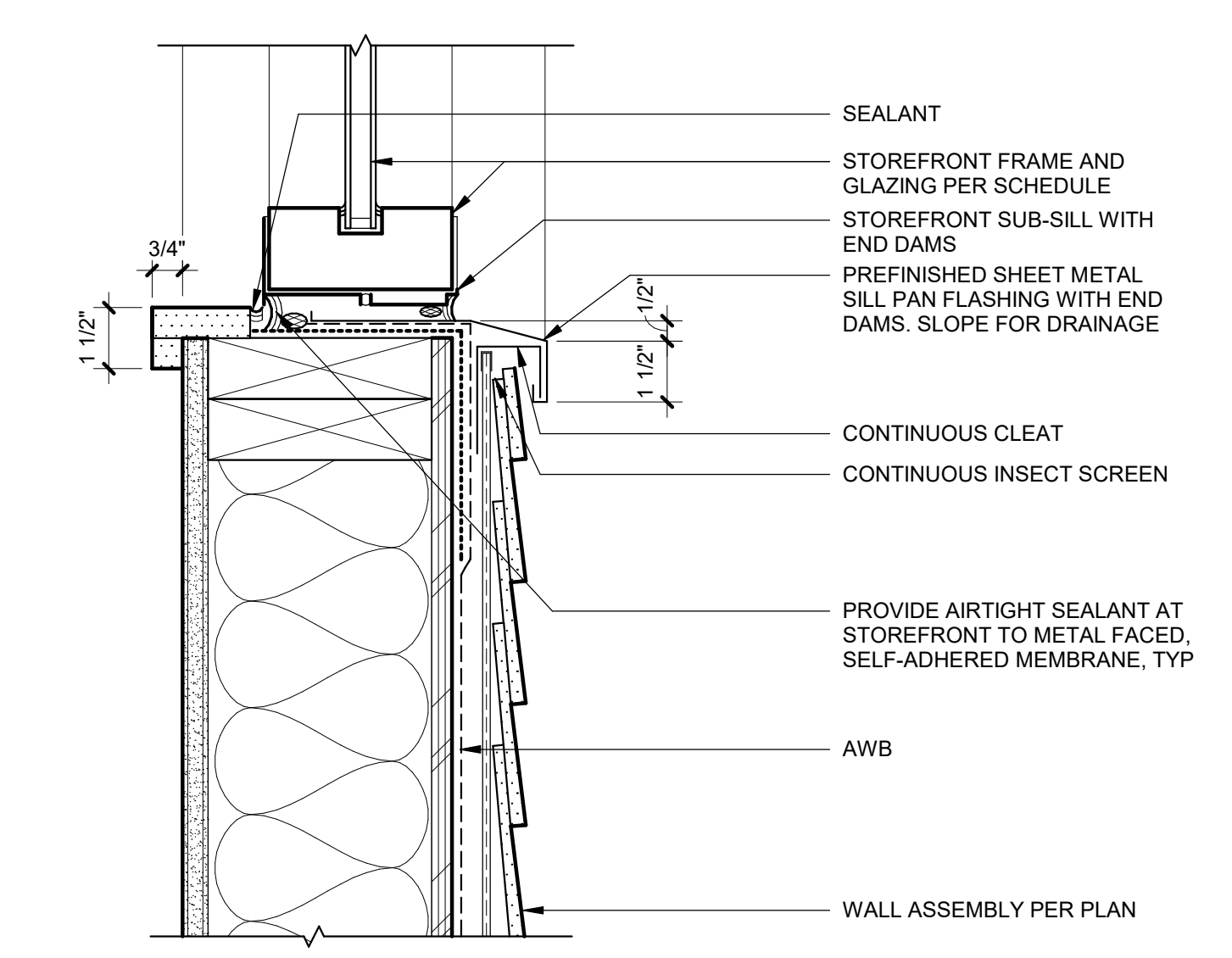
5 STOREFRONT JAMB AT LAP SIDING  
3" = 1'-0"



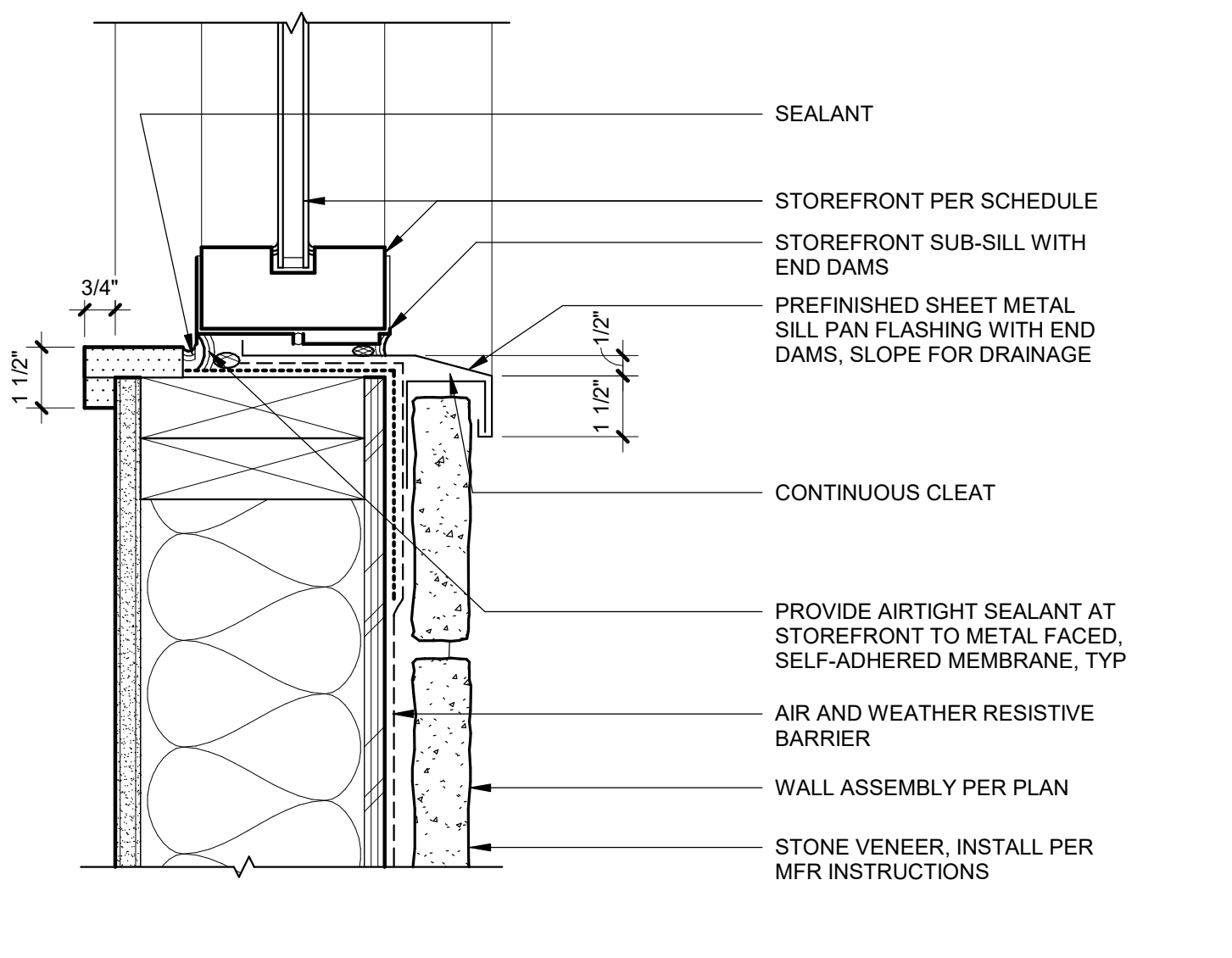
2 STOREFRONT JAMB AT STONE VENEER  
3" = 1'-0"



7 STOREFRONT SILL AT FIBER CEMENT  
3" = 1'-0"



4 STOREFRONT SILL AT LAP SIDING  
3" = 1'-0"



1 STOREFRONT SILL AT STONE VENEER  
3" = 1'-0"

PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
1115 EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS

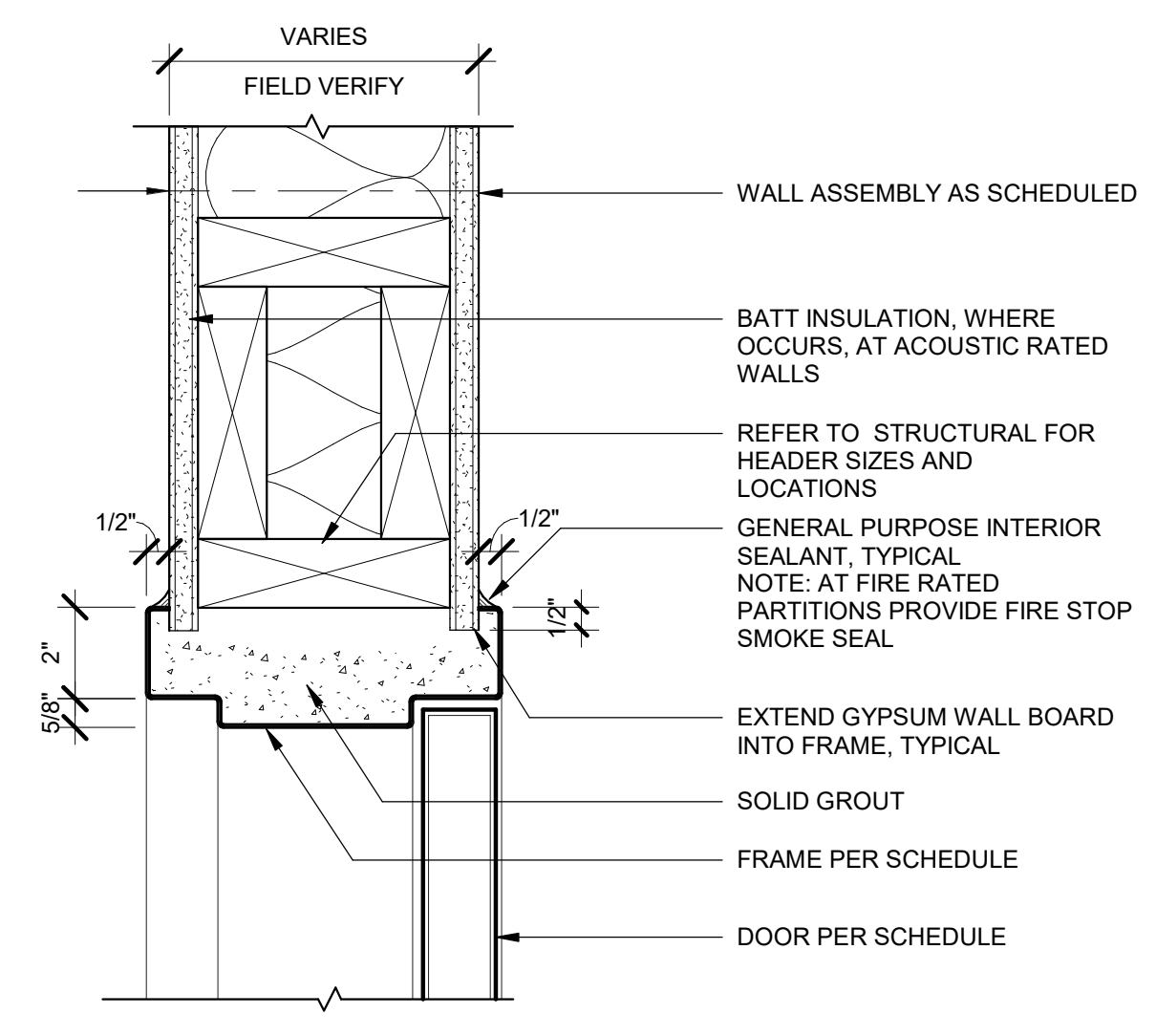
NO.	DATE	DESCRIPTION

DATE: 7.1.2022  
BCSA NO: 19110.00.00  
DRAWN BY: Author  
REVIEWED BY:  
SHEET TITLE: STOREFRONT DETAILS

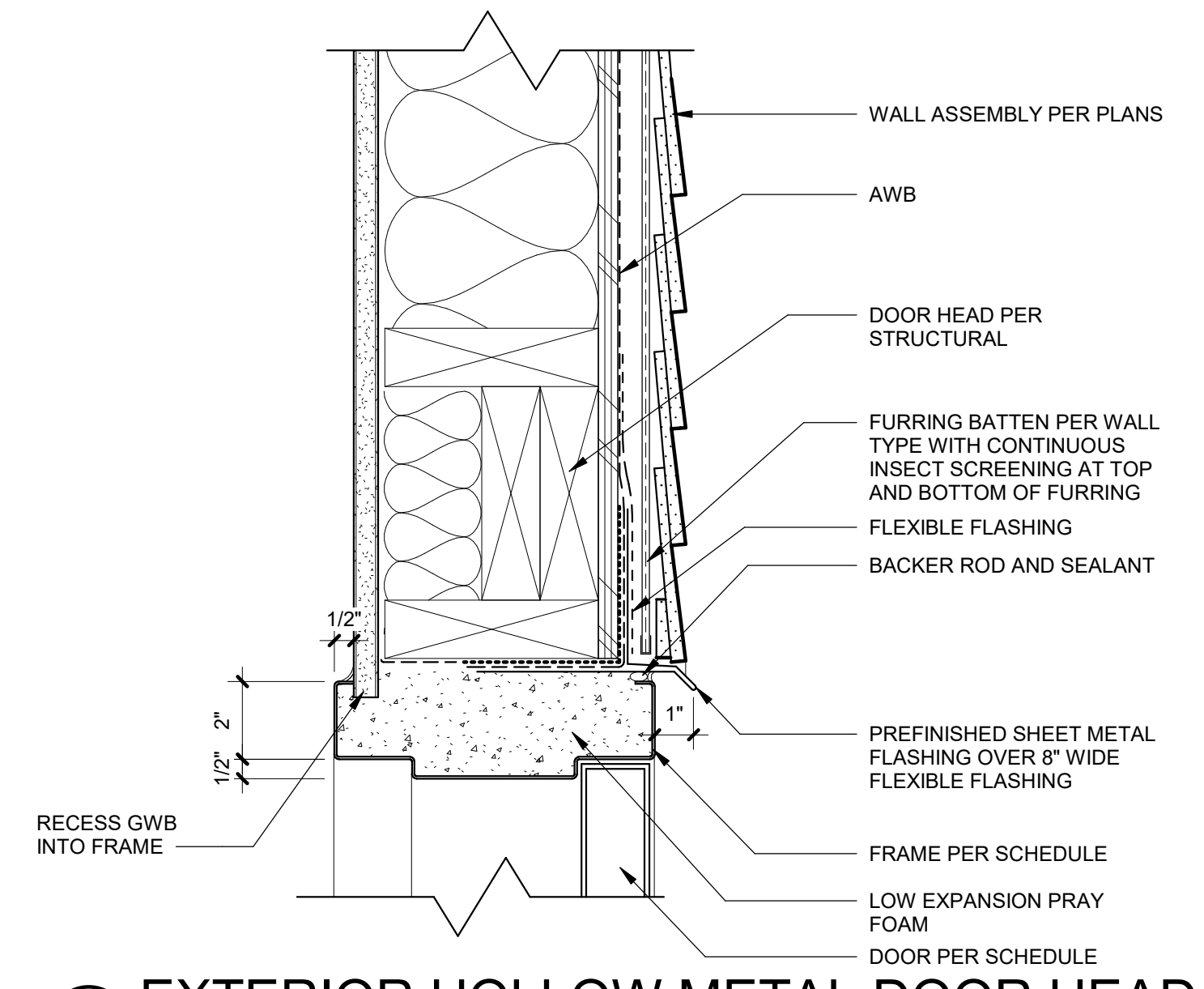
IF SHEET MEASURES LESS THAN 24"X36", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

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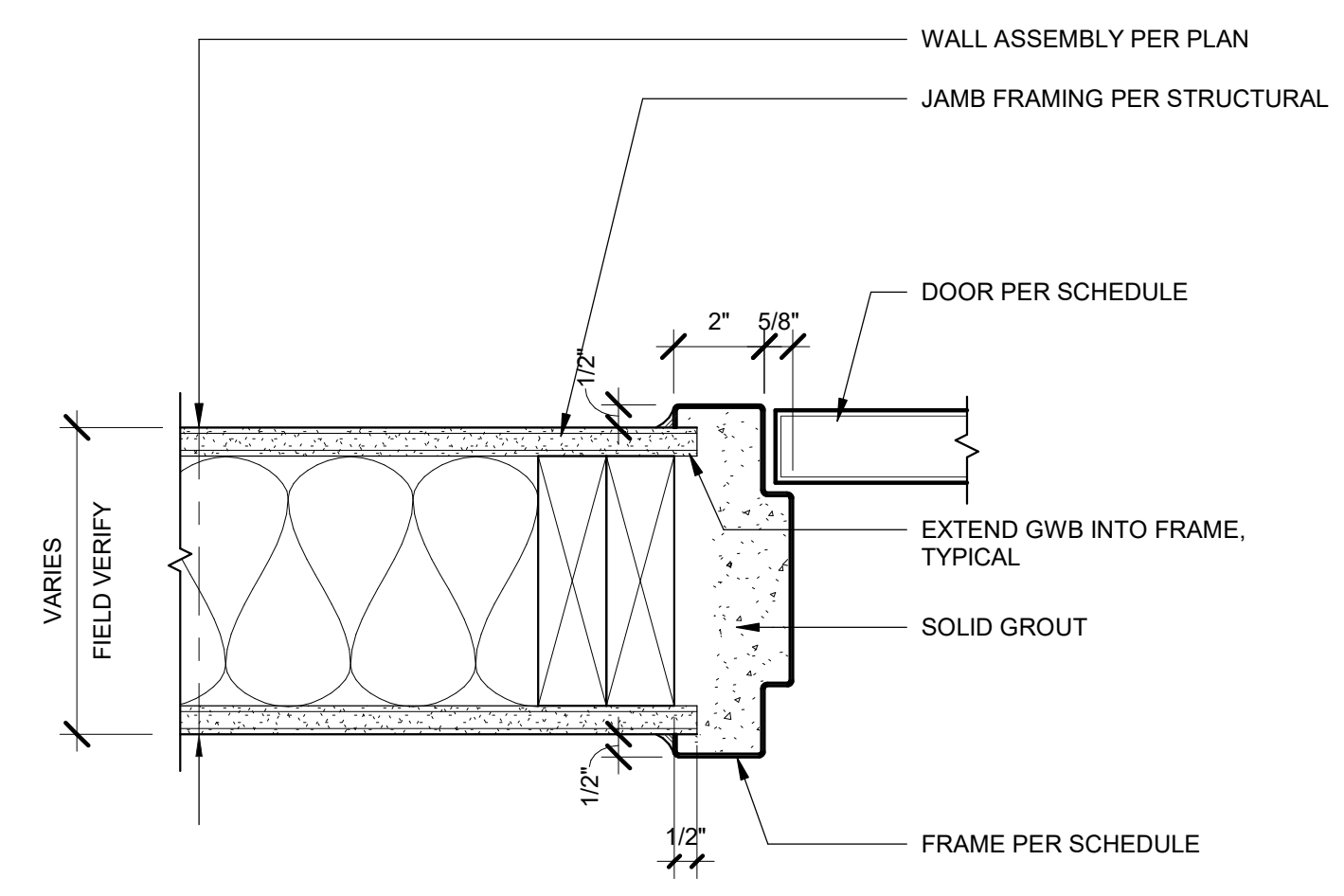
Building	Planning
Engineering	Public Works
Fire	Traffic



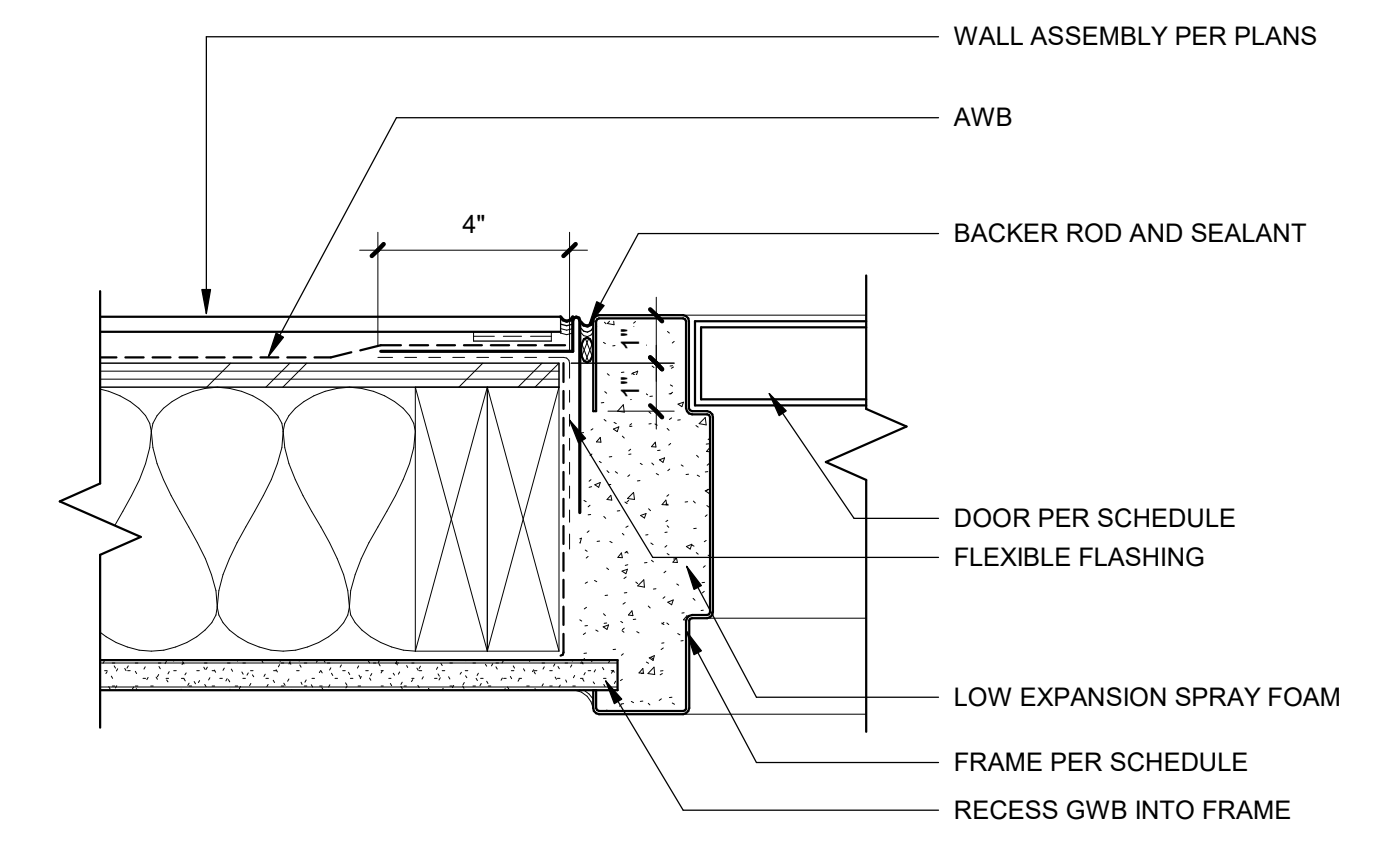
6 INTERIOR DOOR HEAD  
3" = 1'-0"



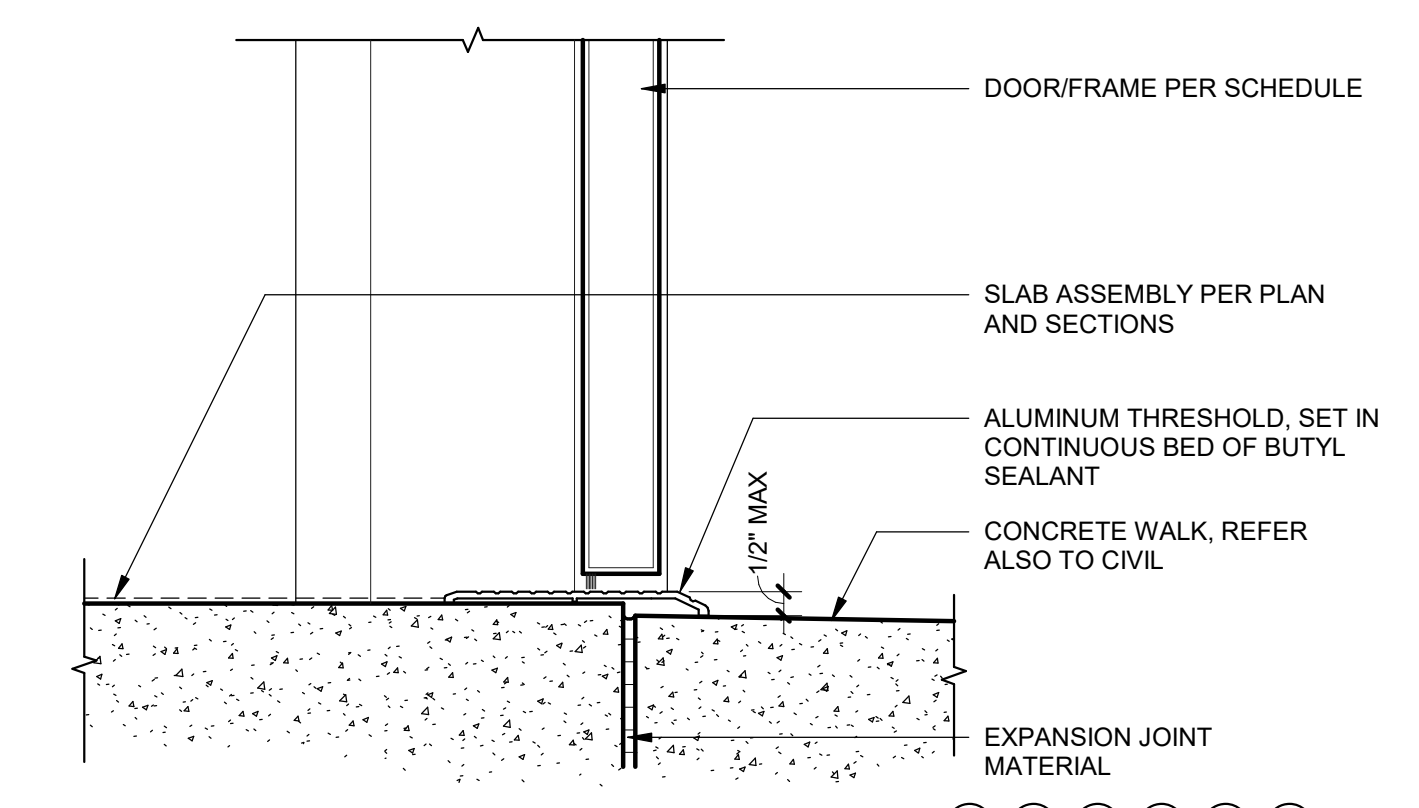
3 EXTERIOR HOLLOW METAL DOOR HEAD  
3" = 1'-0"



5 INTERIOR DOOR JAMB  
3" = 1'-0"



2 EXTERIOR HOLLOW METAL DOOR JAMB  
3" = 1'-0"



1 TYPICAL EXTERIOR DOOR THRESHOLD  
3" = 1'-0"

ALL DOORS TO HAVE DEFENSELITE

PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
1115 EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS

2	ADDENDUM #2	2024.03.04
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DATE  
7.1.2022

BCSA NO.  
19110.00.00

DRAWN BY: Author

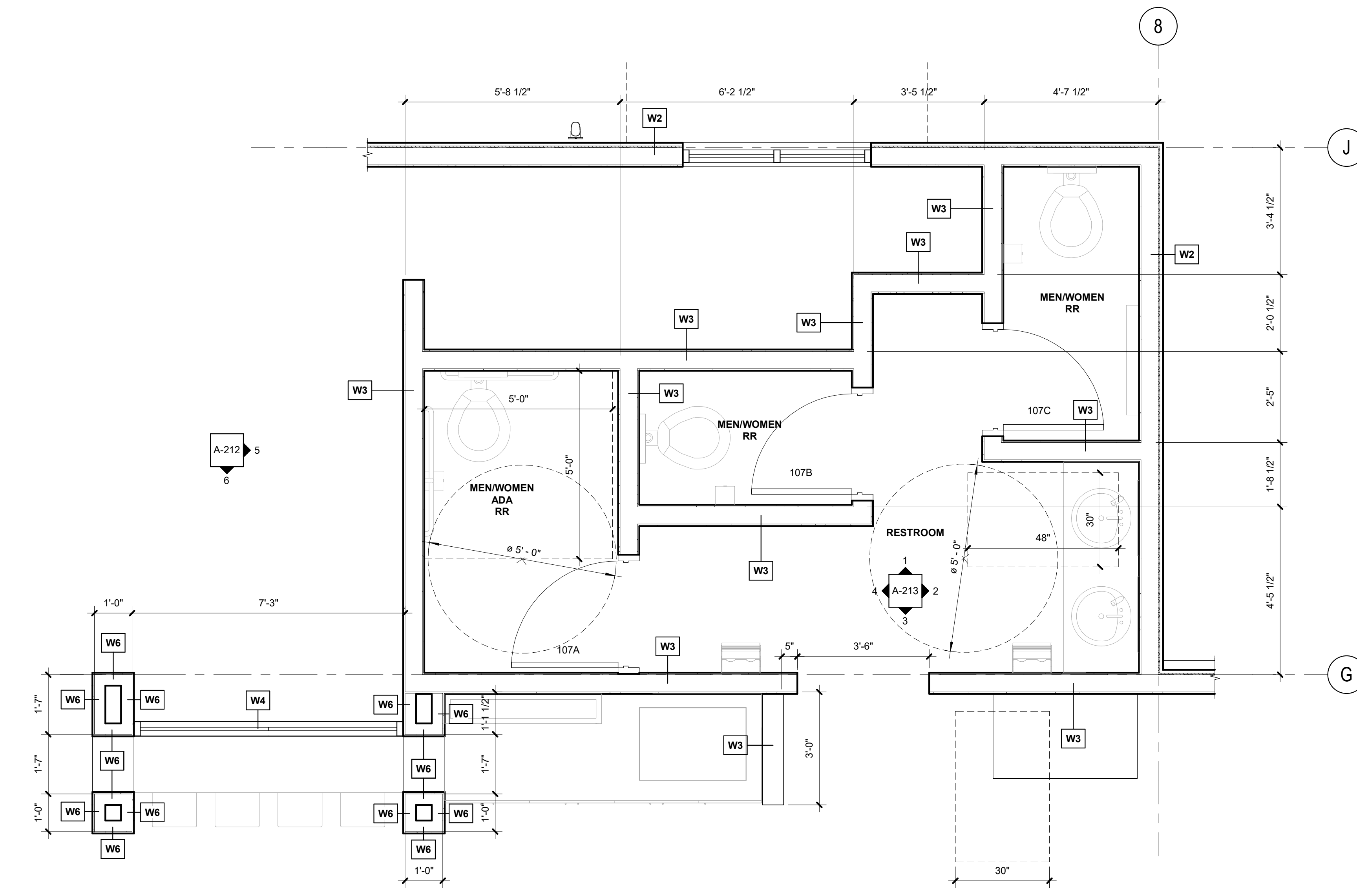
REVIEWED BY:

SHEET TITLE  
DOOR DETAILS

City of Puyallup  
Development & Permitting Services  
**ISSUED PERMIT**

Building	Planning
Engineering	Public Works
Fire	Traffic

5664  
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ARCHITECT  
DOUGLAS P. OBERST  
STATE OF WASHINGTON



**1 FLOOR PLAN**  
1/2" = 1'-0"

PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
1115 EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS

NO.	DATE	DESCRIPTION

DATE: 7.1.2022  
BCSA NO: 19110.00.00  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: ENLARGED FLOOR PLANS

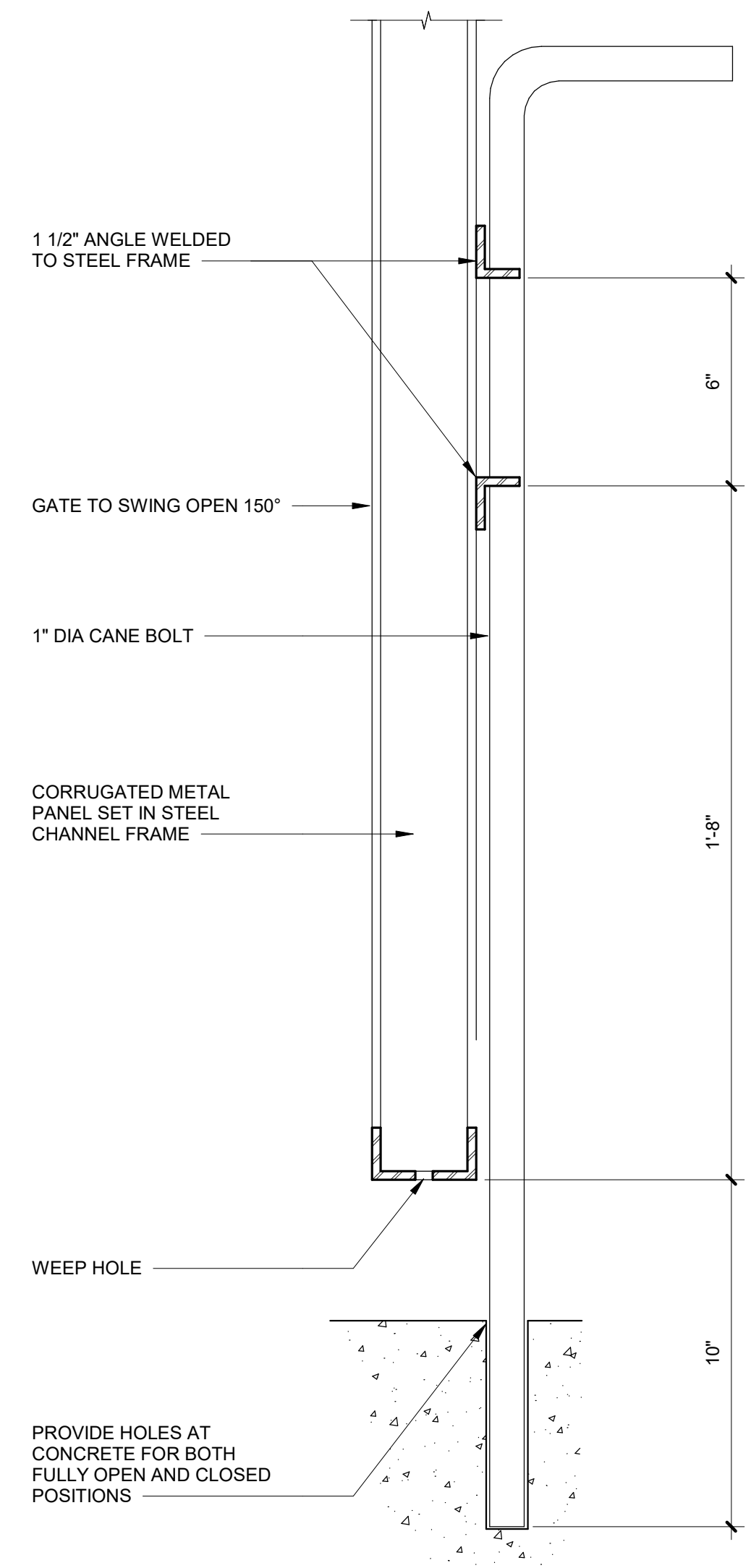
IF SHEET MEASURES LESS THAN 24"X36", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

Welding must be completed by a WABO certified professional and welds must be verified by a WABO certified special inspector.

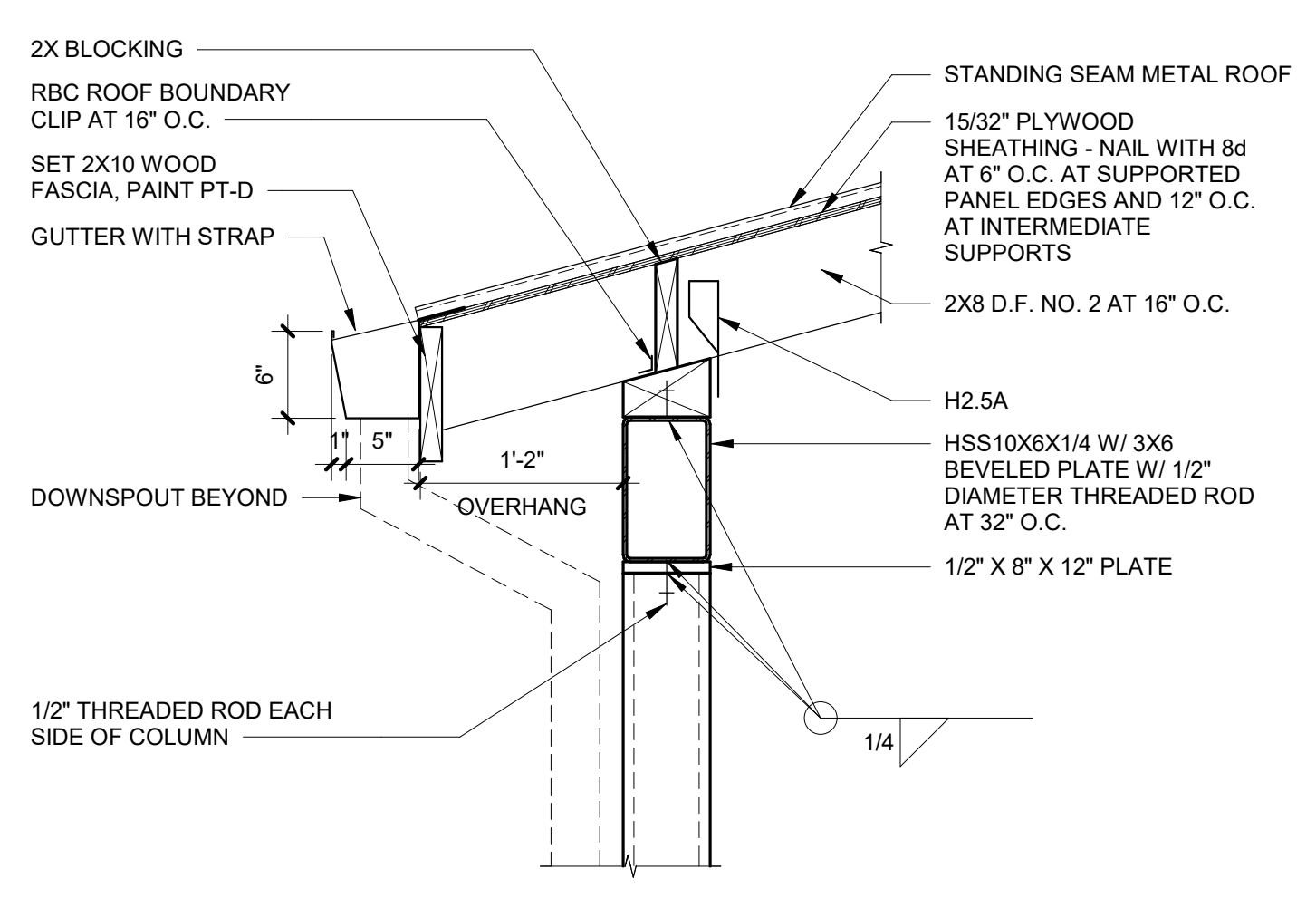
**City of Puyallup**  
Development & Permitting Services  
**ISSUED PERMIT**

Building	Planning
Engineering	Public Works
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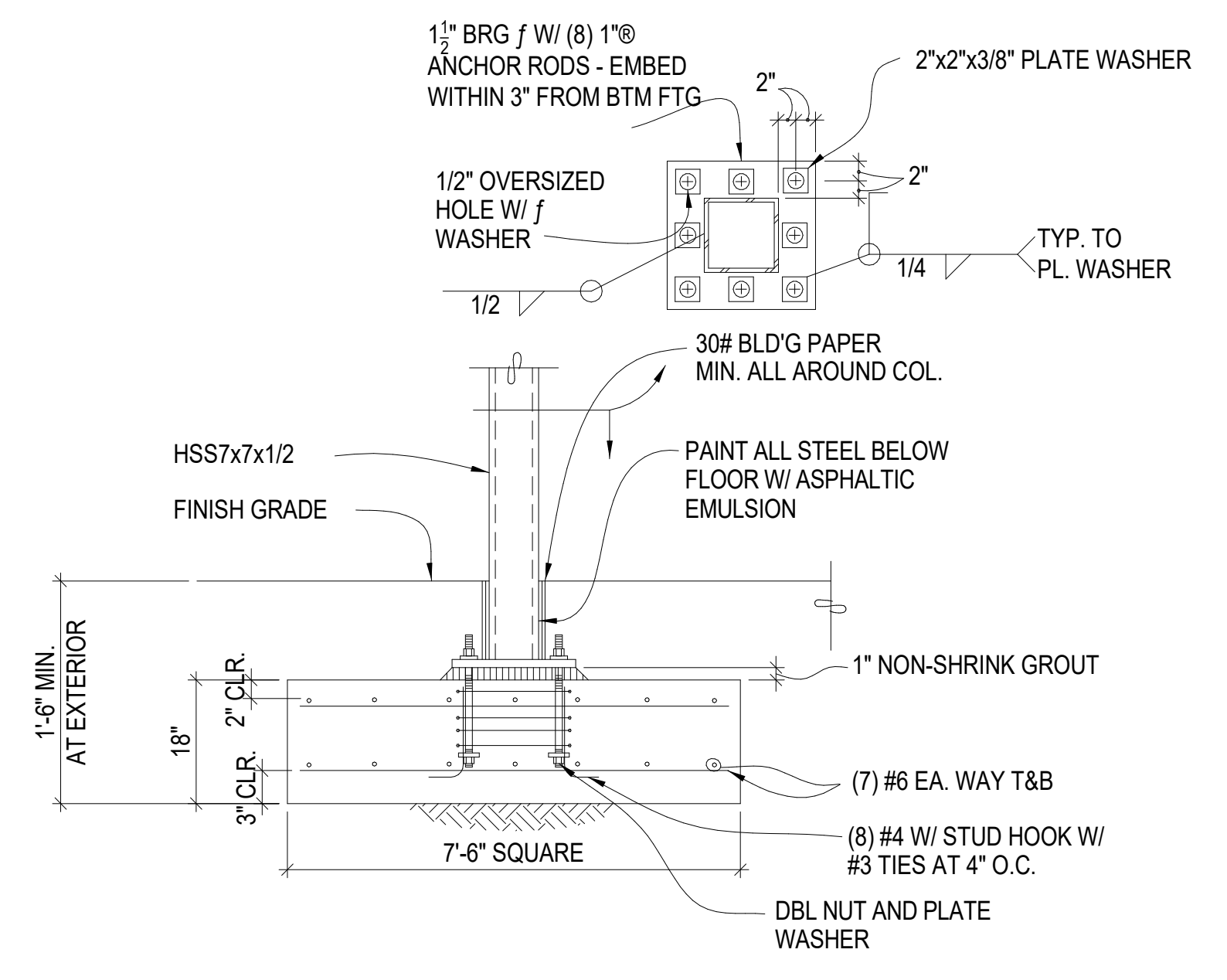
5664  
REGISTERED ARCHITECT  
DOUGLAS P. OBERST  
STATE OF WASHINGTON



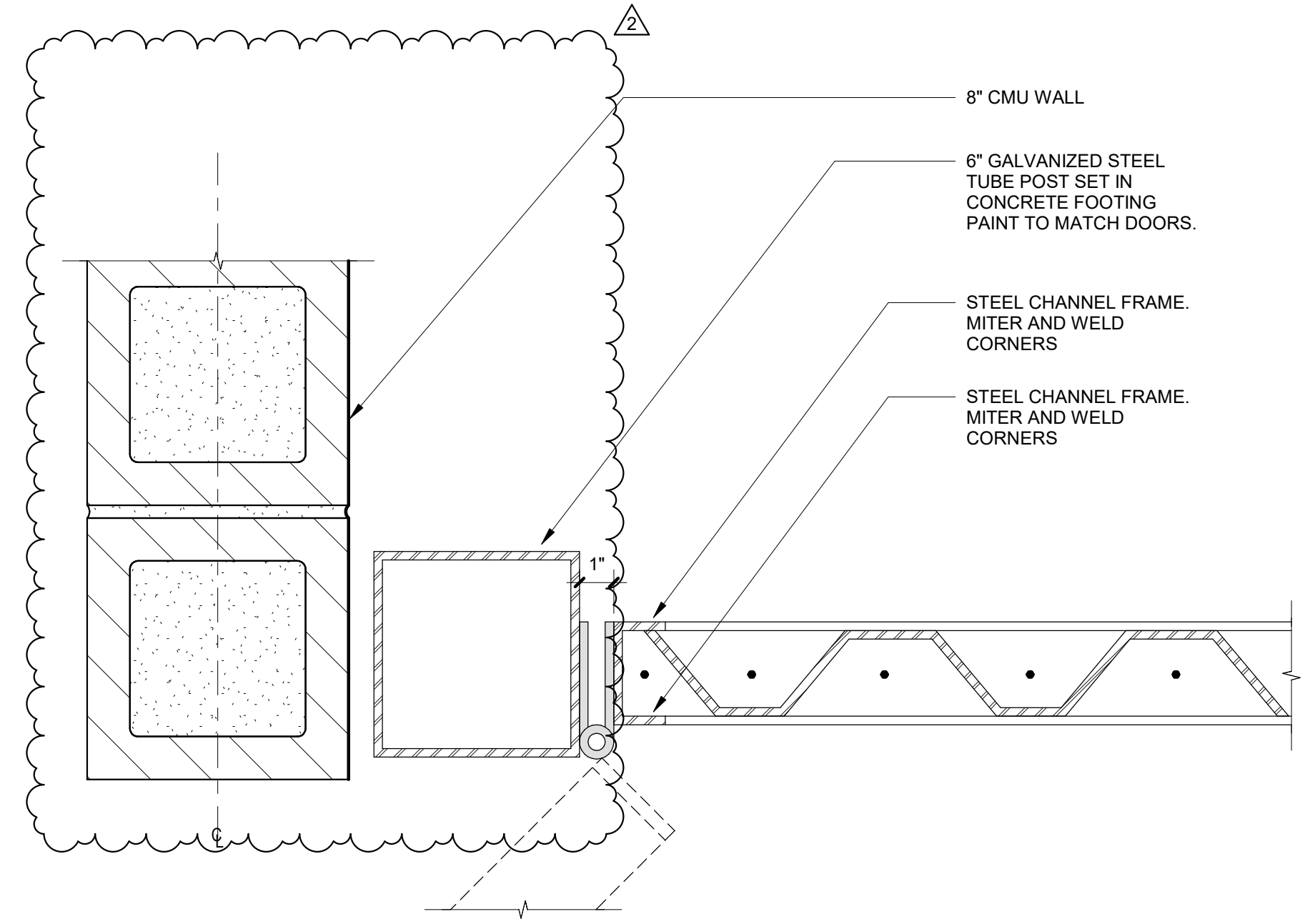
7 SECTION AT CANE BOLT  
3" = 1'-0"



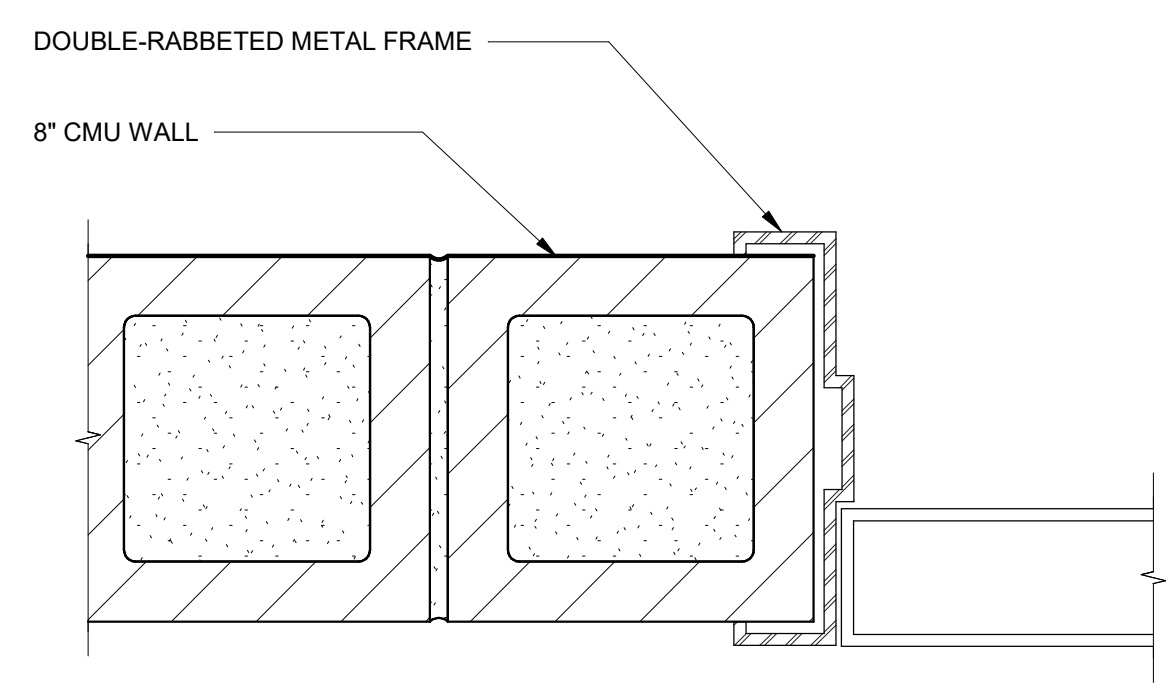
6 TRASH ENCLOSURE ROOF COLUMN  
1" = 1'-0"



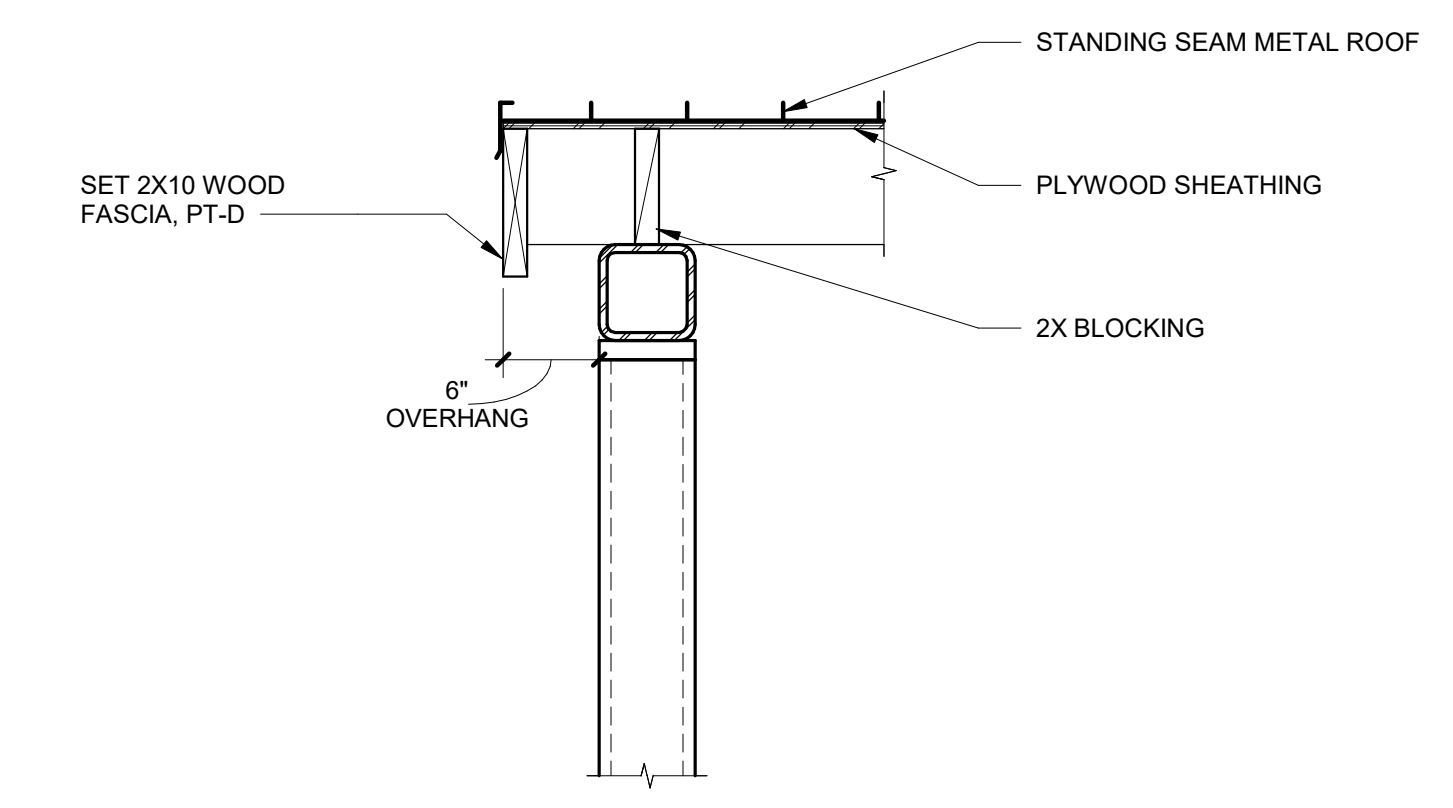
5 TYPICAL STEEL COLUMN ON SPREAD FOOTING  
1" = 1'-0"



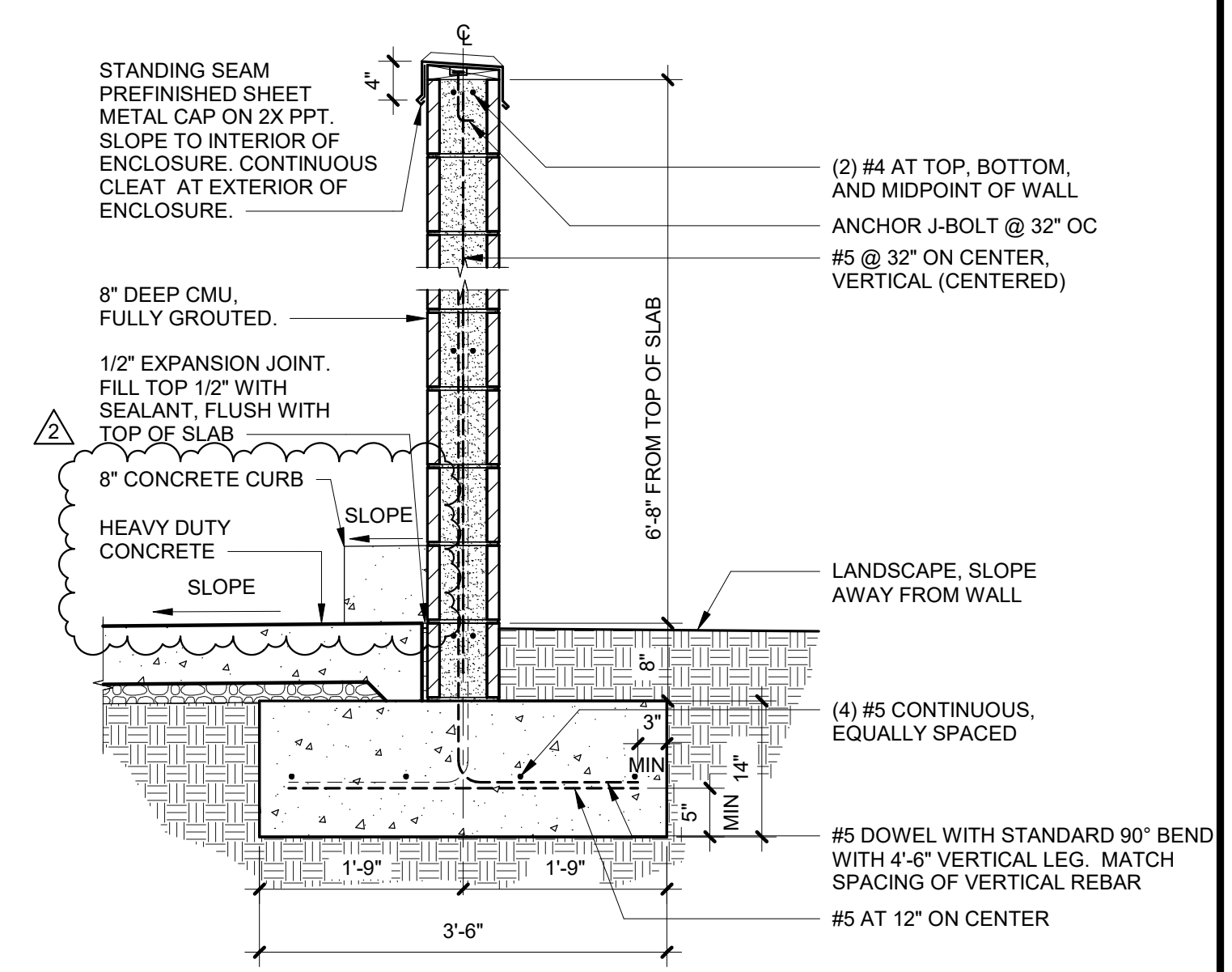
4 TRASH ENCLOSURE GATE HINGE DETAIL  
3" = 1'-0"



3 TRASH ENCLOSURE DOOR HINGE DETAIL  
3" = 1'-0"



2 TRASH ENCLOSURE ROOF COLUMN  
1" = 1'-0"



1 CMU TRASH ENCLOSURE  
3/4" = 1'-0"

PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
1115 EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS	DATE
2   ADDENDUM #2	2024.03.04

DATE
7.1.2022
BCSN NO.
19110.00.00
DRAWN BY: Author
REVIEWED BY:
SHEET TITLE
TRASH ENCLOSURE DETAILS

bcr  
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SHEET

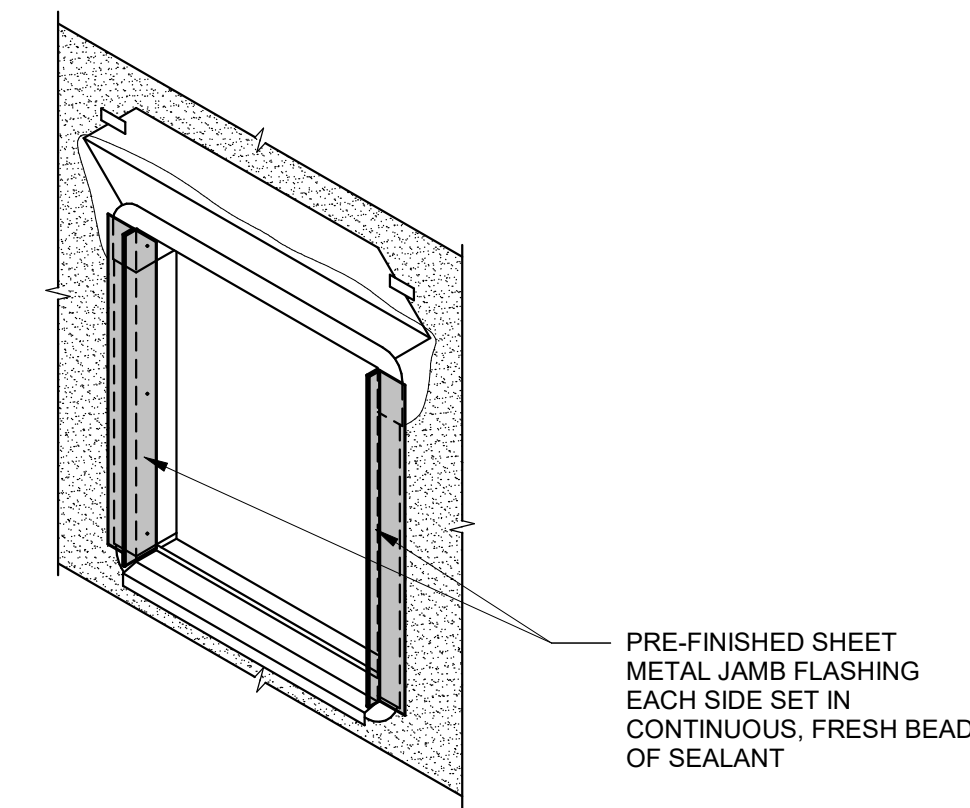
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PERMIT SET

**City of Puyallup**  
Development & Permitting Services  
**ISSUED PERMIT**

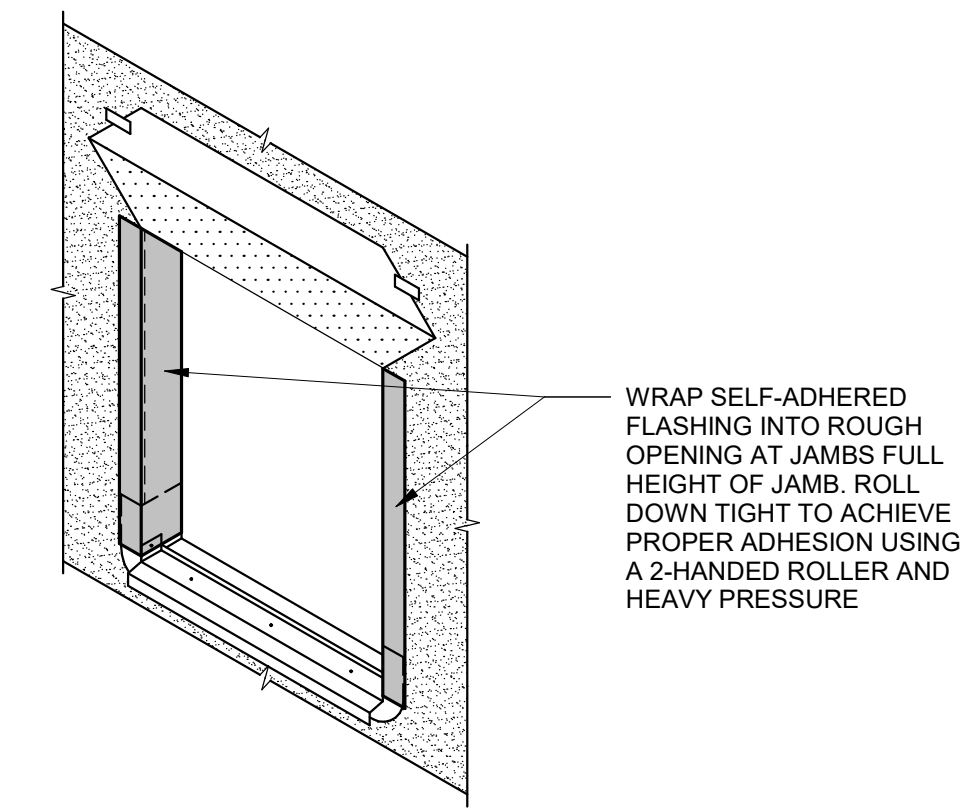
Building	Planning
Engineering	Public Works
Fire	Traffic

5664  
REGISTERED ARCHITECT  
DOUGLAS P. OBERST  
STATE OF WASHINGTON

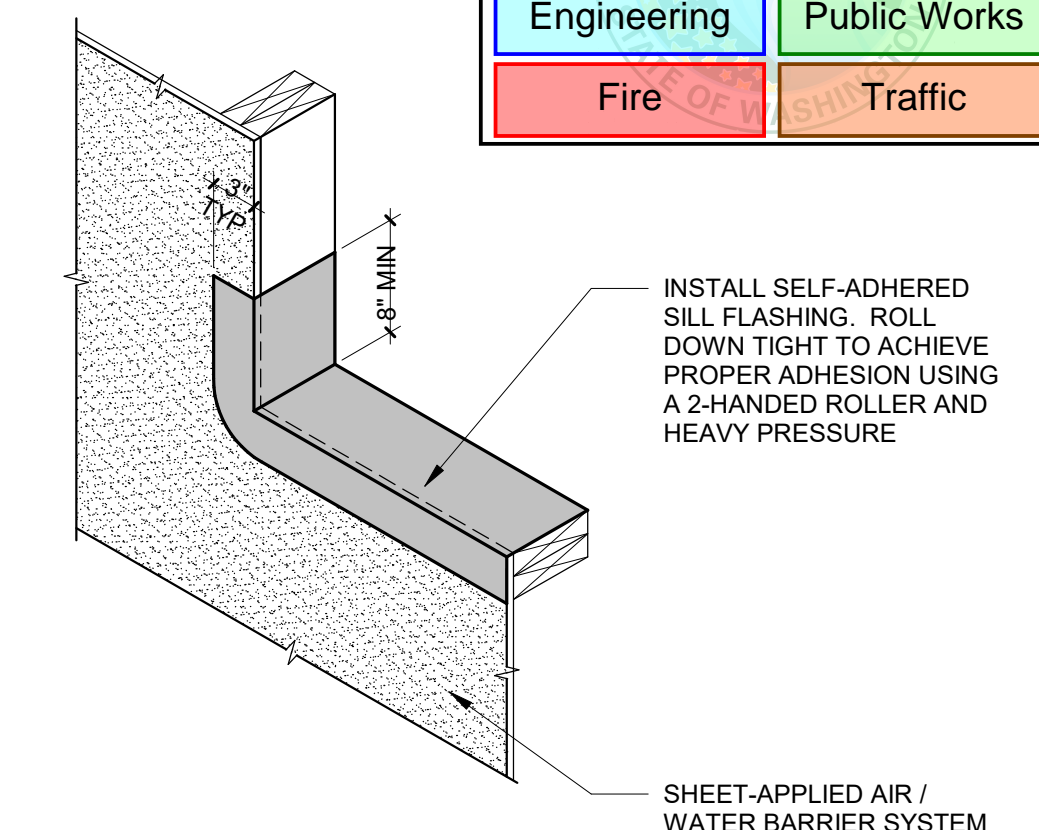
(CONFIRM JAMB FLASHINGS WITH PROJECT DESIGN INTENT)



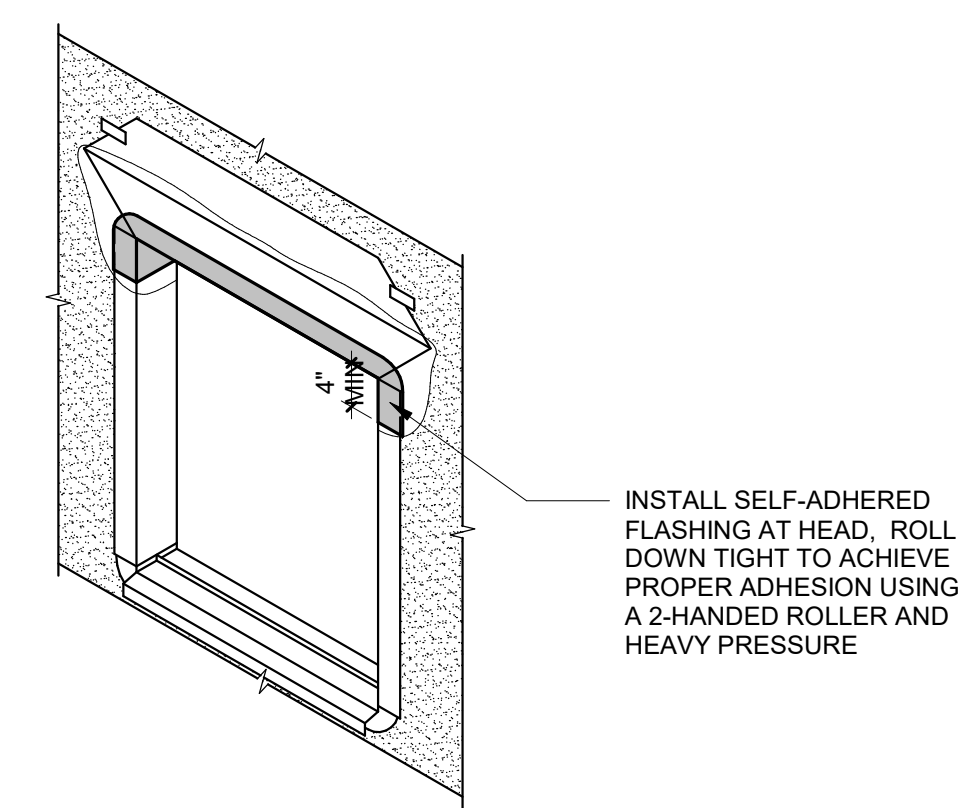
**STEP 9**



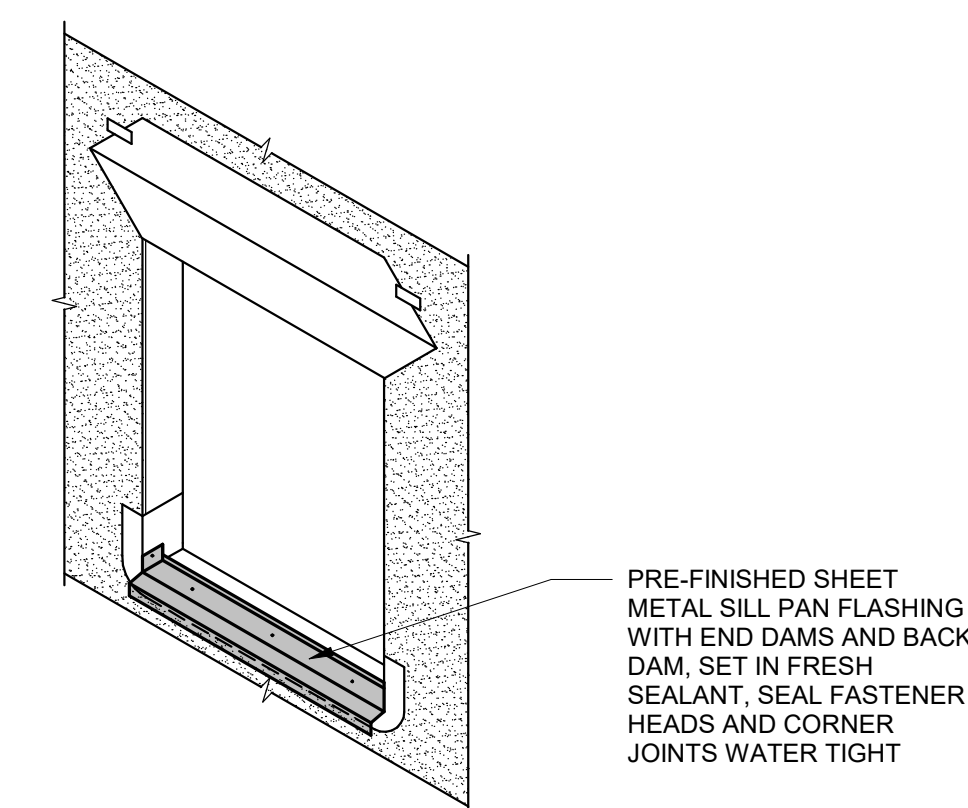
**STEP 6**



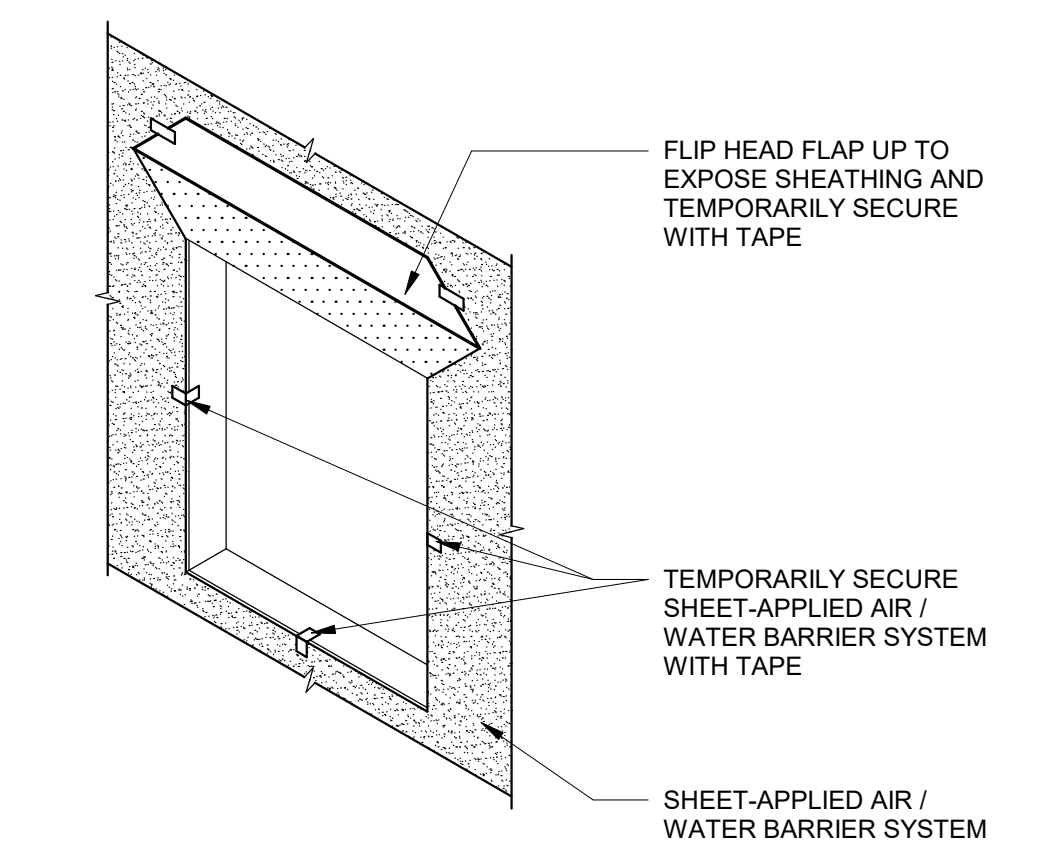
**STEP 3**



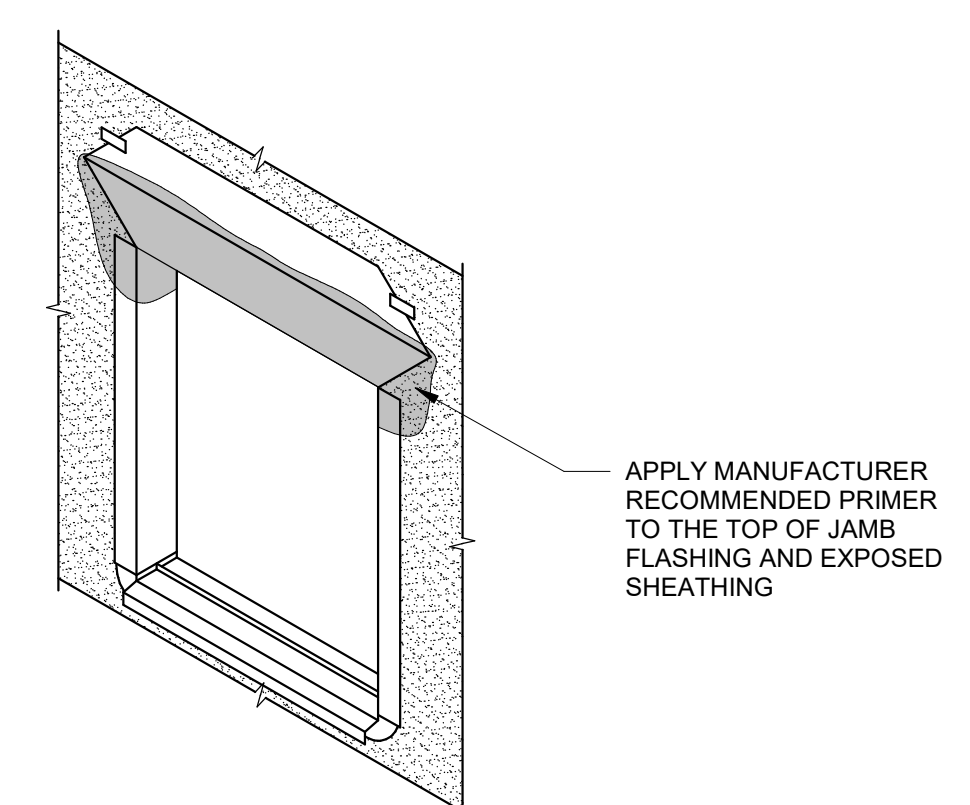
**STEP 8**



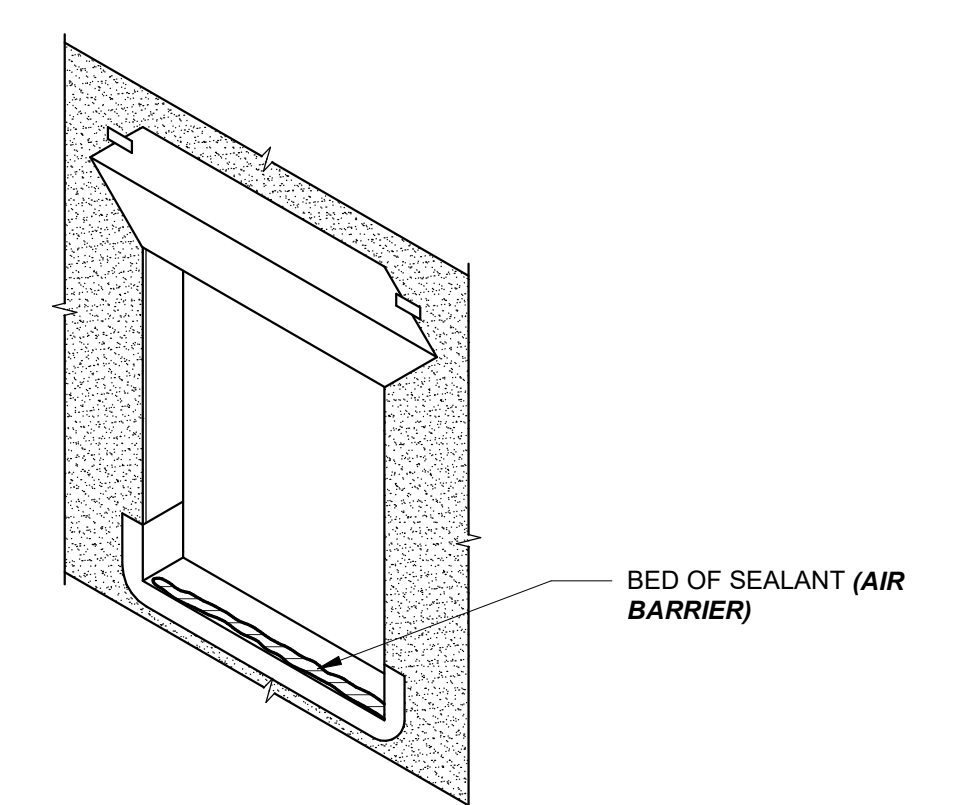
**STEP 5**



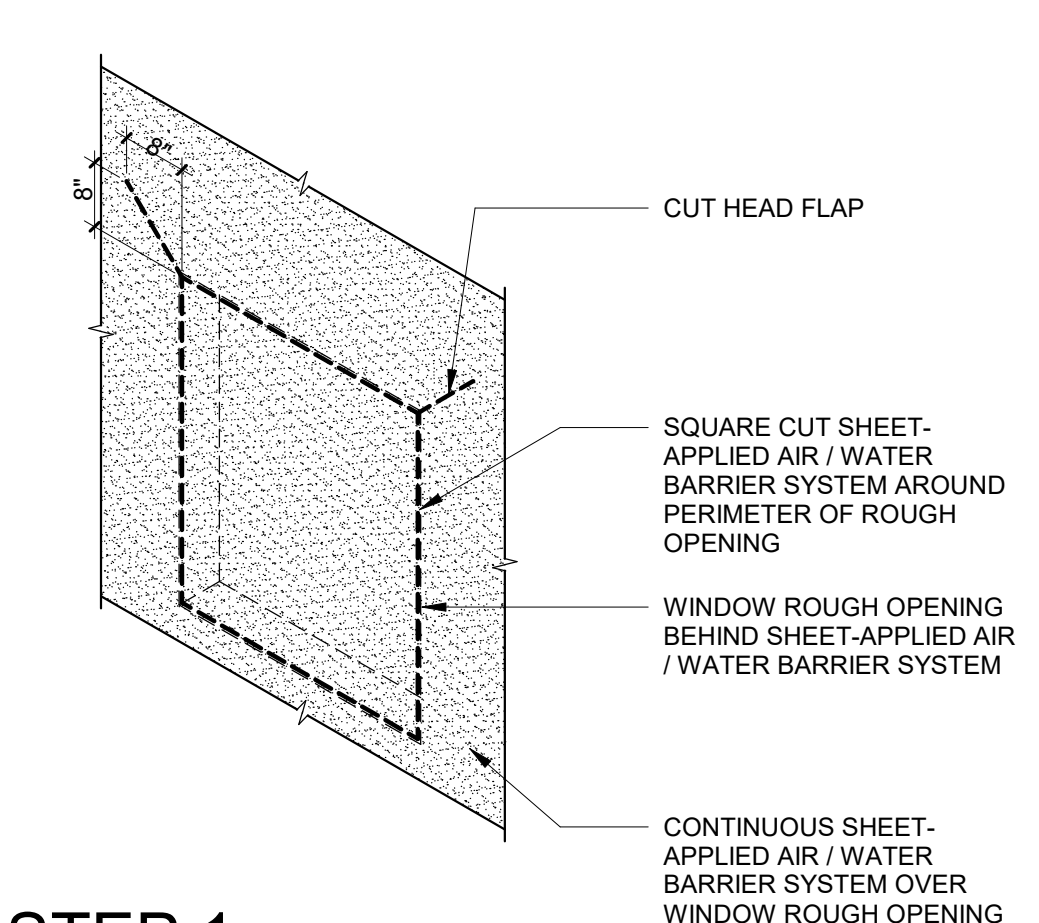
**STEP 2**



**STEP 7**



**STEP 4**



**STEP 1**

PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
1115 EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS


DATE: 7.1.2022  
BCSA NO: 19110.00.00  
DRAWN BY: Author  
REVIEWED BY:

SHEET TITLE:  
TYPICAL SEQUENCING OF SHEET-APPLIED AIR / WATER BARRIER SYSTEM AT FLANGELESS WINDOW AND LOUVER OPENINGS

bcr  
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SHEET

**A-541**  
PERMIT SET

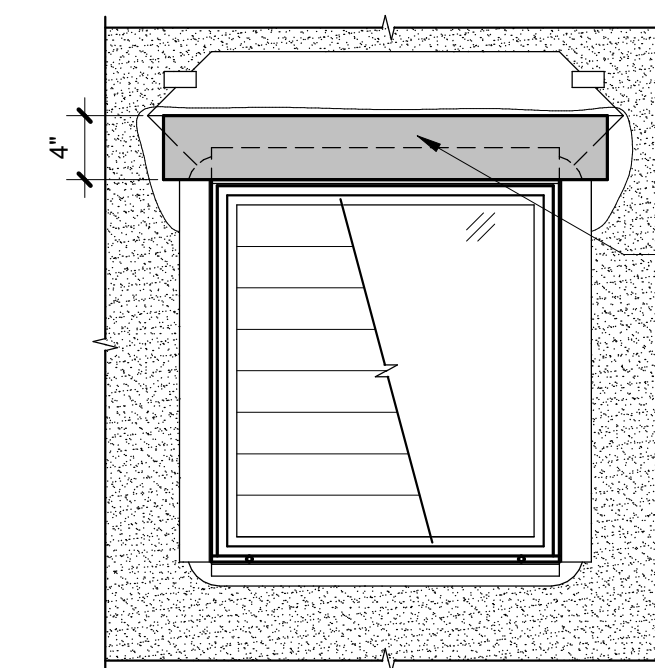
IF SHEET MEASURES LESS THAN 24"x36", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

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Building	Planning
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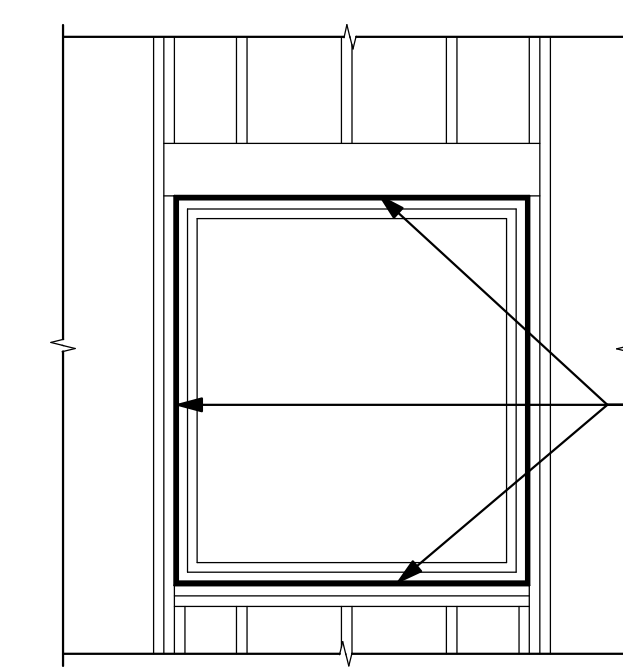
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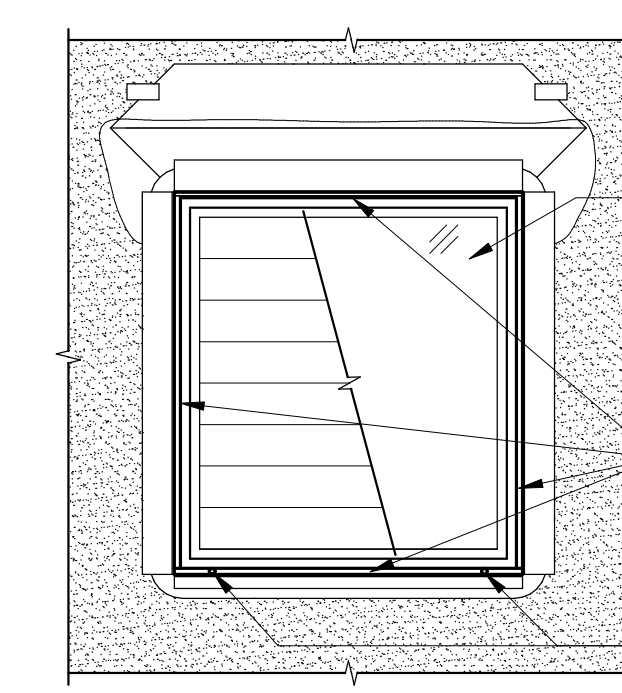
INSTALL SELF-ADHERED FLASHING OVER PRE-FINISHED SHEET METAL HEAD FLASHING (**AIR BARRIER**)

**STEP 12**



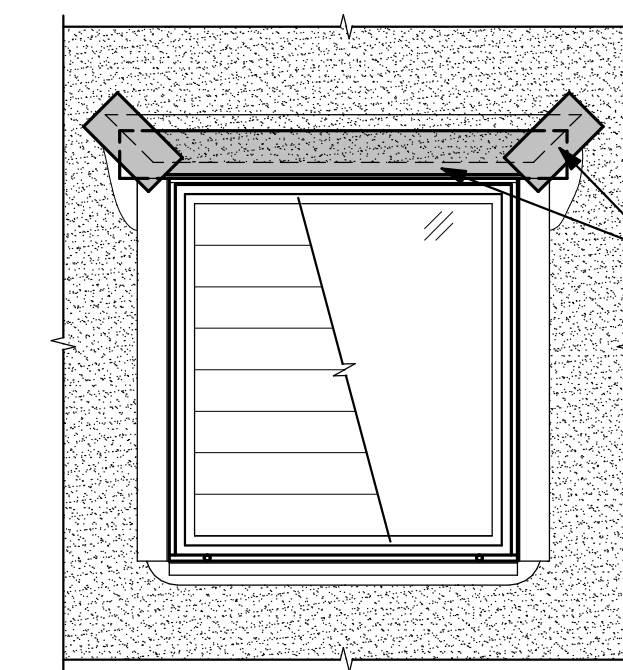
INSTALL CONTINUOUS BACKER ROD AND SEALANT AT HEAD, JAMBS, AND SILL (**INTERIOR SECONDARY SEALANT JOINT, AIR BARRIER**)

**STEP 14 - INTERIOR VIEW**



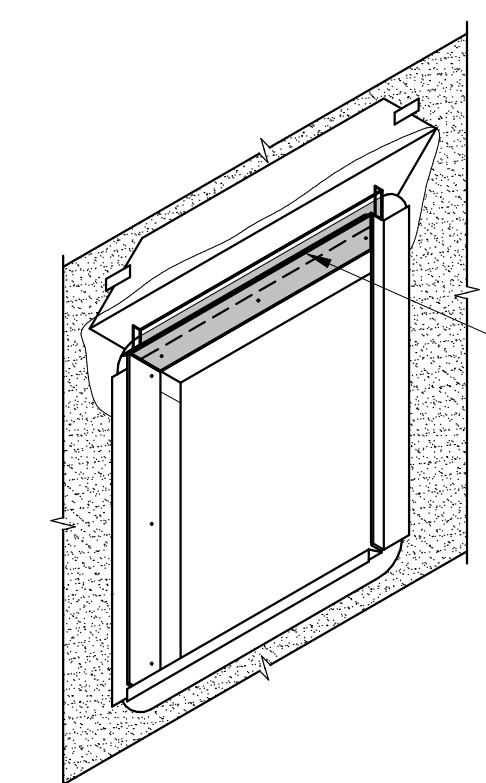
WINDOW / LOUVER INSTALLED PLUMB AND LEVEL, SHIM AND FASTEN PER MANUFACTURER'S RECOMMENDATION  
BACKER ROD AND SEALANT AT HEAD, JAMBS, AND SILL (**EXTERIOR PRIMARY SEALANT JOINT**)  
WEEP HOLES IN SILL SEALANT PER MANUFACTURER'S RECOMMENDATION

**STEP 11**



FLIP HEAD FLAP DOWN AND TRIM 1" - 2" ABOVE WINDOW OPENING. TERMINATE FLAP ALONG THE TOP OF WINDOW WITH TAPE. TAPE DIAGONAL CUTS WITH SELF-ADHERED FLASHING AND ROLL DOWN TIGHT TO ACHIEVE PROPER ADHESION USING A 2-HANDED ROLLER AND HEAVY PRESSURE

**STEP 13**



PRE-FINISHED SHEET METAL HEAD FLASHING WITH END DAMS SET IN CONTINUOUS, FRESH BEAD OF SEALANT (**AIR BARRIER**)

**STEP 10**

PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
1115 EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS


DATE: 7.1.2022  
BCSA NO: 19110.00.00  
DRAWN BY: Author  
REVIEWED BY: \_\_\_\_\_

SHEET TITLE  
TYPICAL SEQUENCING OF SHEET-APPLIED AIR / WATER BARRIER SYSTEM AT FLANGELESS WINDOW AND LOUVER OPENINGS

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SHEET

**A-542**

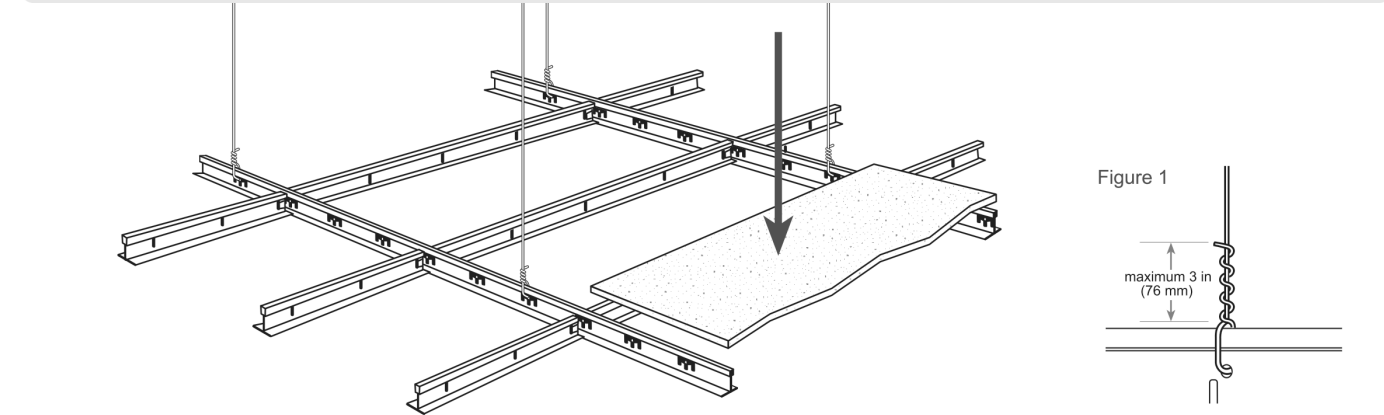
PERMIT SET

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

NWCB Technical Document 03/22  
SUSPENDED CEILING 401 Suspension Systems for Acoustical Lay-in Ceilings Seismic Design Categories D, E & F

This document provides the 2021 IBC referenced standards for the prescriptive design and installation of suspension systems for acoustical lay-in ceilings. Incorporation of this document will provide a more uniform standard for installation and inspection. This document is intended to accomplish the intent of the International Building Code (IBC), including the Oregon Structural Specialty Code and Washington State Building Code, with regard to the requirements for seismic design category D, E and F for suspended ceilings and related items. Prescriptive suspension systems shall be installed per these requirements and those of the referenced documents. Engineered design of suspension systems are outside the scope of this document. Manufacturers' recommendations shall be followed where applicable.

- The following are outside the scope of this technical document:  
• Suspension systems for acoustical lay-in ceilings in Risk Category IV structures. Source: ASCE 7 Section 13.1.3, ASTM E580 Section 5.7  
• Suspension systems for acoustical lay-in ceilings assigned a component importance factor of 1.5 in accordance with ASCE 7 Section 13.1.3 by the registered design professional. Source: ASCE 7 Section 13.1.3, ASTM E580 Section 5.7  
• Suspension systems for acoustical lay-in ceiling designed in accordance with accepted engineering practice by a registered design professional. Source: ASCE 7 Section 13.5.6.2  
• Suspension systems consisting of screw or nail-attached gypsum board on one level that are surrounded by and connected to walls or soffits that are laterally braced to the structure above are exempt from the requirements of ASCE-7 Section 13.5.6. Source: ASCE-7 Section 13.5.6 Exception 2



- General Requirements**  
• Referenced sources per hierarchy: 2021 International Building Code (IBC), American Society of Civil Engineers (ASCE-7-16), American Society of Testing Materials (ASTM C635, ASTM C636, ASTM E580).  
• Partitions that are tied to the ceiling and all partitions greater than 6 ft in height shall be laterally braced to the structure. Bracing shall be independent of the ceiling splay bracing system. Source: ASCE 7 Section 13.5.8.1  
• For further information on bracing of non-load bearing partitions, refer to NWCB Technical Document #200-501.  
• All main beams are to be Heavy Duty (HD as defined in ASTM C635). Source: ASTM E580 Section 5.1.1  
• Ceilings less than or equal to 144 ft² and surrounded by walls or soffits that are laterally braced to the structure above are exempt from the seismic design requirements of ASCE 7 and ASTM E580. Source: ASCE 7 Section 13.5.6 Exception 1  
• All wire ties shall be tightly wrapped around themselves a minimum of three turns within three inches (Figure 1). Source: ASTM C636 Section 2.3.4  
• Main beams shall be level to within 1/4 in. in 10-ft. Source: ASTM C636 Section 2.3.1  
• Cross tees shall be level to within 1/8 in. in 12-ft. Source: ASTM C636 Section 2.2.1

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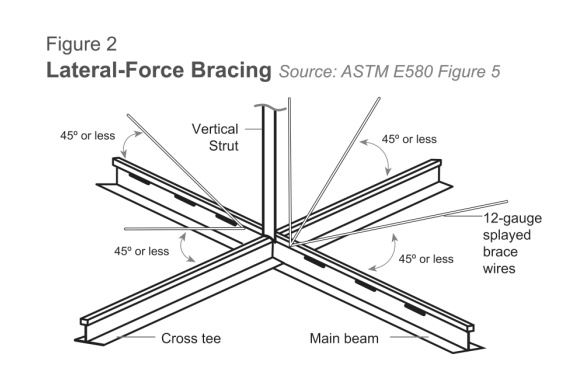


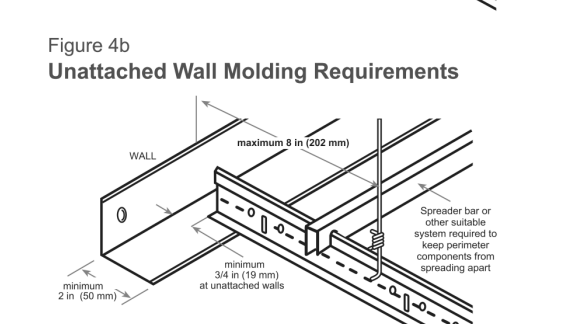
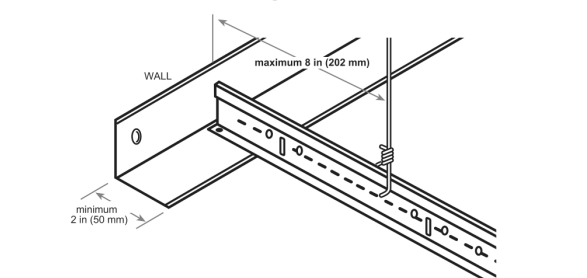
Figure 3: Maximum Recommended Lengths for Vertical Struts

EMT CONDUIT	Length
1/2" EMT conduit	up to 5'10"
3/4" EMT conduit	up to 7'8"
1" EMT conduit	up to 9'9"

METAL STUDS

Single 1 1/2" metal stud (20-gauge)	up to 12'0"
Back-to-back 1 1/2" metal stud (20 gauge)	up to 15'0"
Single 2 1/2" metal stud (20-gauge)	up to 13'6"
Back-to-back 2 1/2" metal stud (25-gauge)	up to 19'0"

Figure 4a: Attached Wall Molding Requirements. Shows a wall molding attached to a wall with a 1/4" gap and a 1/2" overlap.

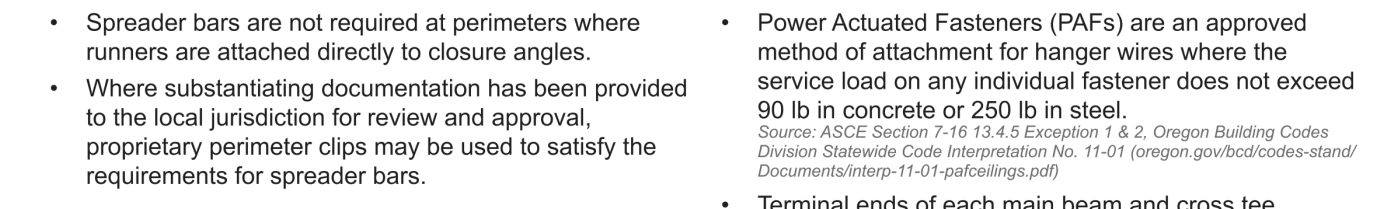
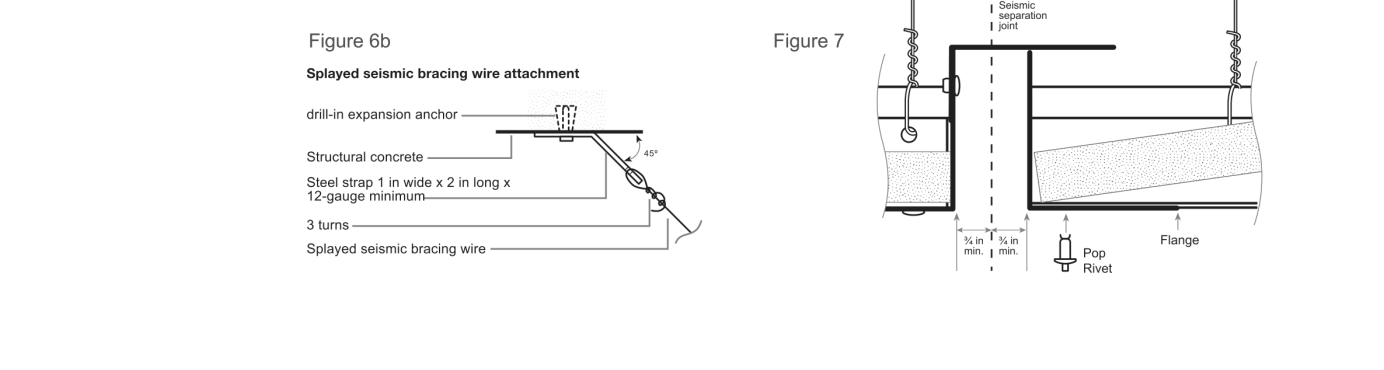
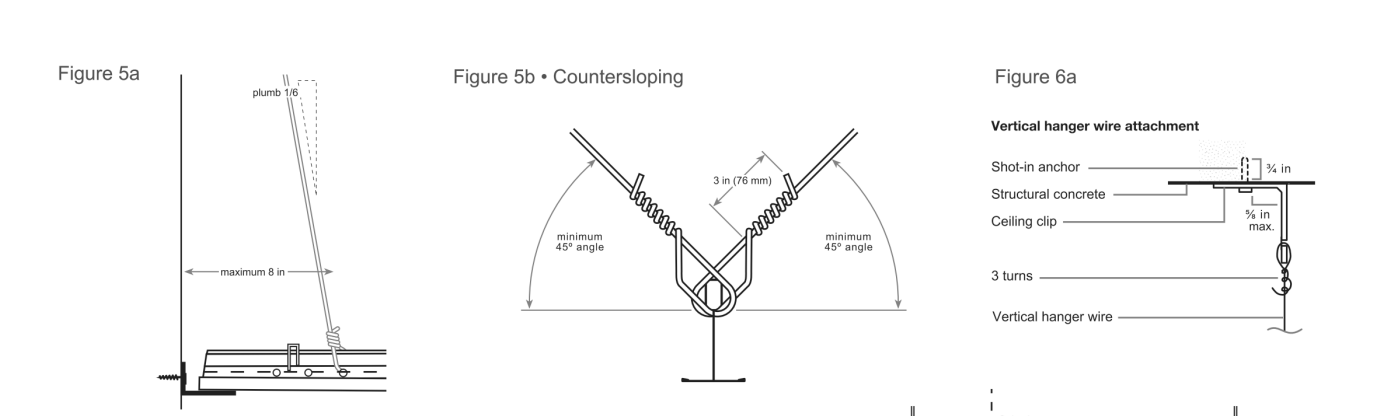


- Lateral-Force Bracing (Figures 2 and 3)**  
• Lateral-force bracing, which is the use of vertical struts (compression posts) and splay wires, is required for all ceiling areas greater than 1000 ft² (see Figure 2). Source: ASTM E580 Section 5.2.8.1, Section 5.2.8.2  
• Lateral-force bracing shall be 12 ft on center (maximum) and begin no farther than 6 ft from walls. Source: ASTM E580 Section 5.2.8.2  
• Lateral-force bracing splay wires shall consist of four 12-gauge wires attached to the main beam, arrayed 90° from each other and at an angle not exceeding 45° from the plane of the ceiling. Source: ASTM E580 Section 5.2.8.2  
• Lateral-force bracing splay wires shall be attached to the grid and to the structure in such a manner that they can support a load of not less than 250 lb when tested per ASTM E3090 (Figure 6b). Source: ASTM E580 Section 5.2.8.3

- Power-actuated fasteners in concrete or masonry shall not be used for the attachment of lateral-force bracing splay wires unless tested and approved for seismic loading. Source: ASCE 7 Section 13.4.5, Oregon Building Codes Division Statewide Code Interpretation No. 11-01 (oregon.gov/building-codes-stand/Documents/interp-11-01-pafsettings.pdf)  
• Power-actuated fasteners in steel shall be permitted for the attachment of lateral-force bracing splay wires. Source: ASCE 7 Section 13.4.5 Exception 2  
• Splay wires are to be within 2 inches of the connection of the vertical strut to suspended ceiling. Source: ASTM E580 Section 5.2.8.2  
• Rigid bracing may be used in lieu of splay wires. Source: ASTM E580 Section 5.2.8.4  
• Vertical struts must be positively attached to the suspension systems and the structure above. Source: ASTM E580 Section 5.2.8.2  
• The vertical strut may be EMT conduit, metal studs or a proprietary compression post (see Figure 3).  
• Changes in ceiling plane elevation requires independent lateral force-bracing for each ceiling plane. Source: ASTM E580 Section 5.2.8.6

- Wall Moldings (Figures 4a and 4b)**  
• Wall moldings (perimeter closure angles) are required to have a horizontal flange not less than 2" wide. Two adjacent ends of the ceiling grid shall be positively attached to the wall molding (pop rivets or approved method), and the opposite ends shall have a 3/4" clearance from the wall and be free to slide. Source: ASTM E580 Section 5.2.2, Section 5.2.3  
• Where substantiating documentation has been provided to the local jurisdiction, proprietary perimeter clips may be used in tandem with 7/8" closure angle to satisfy the requirements for the 2" closure angle.  
• Perimeter supporting clips shall be attached to the supporting closure angle or channel with a minimum of two screws per clip and shall be installed around the entire ceiling perimeter. Source: ASCE-7 Section 13.5.6.2a

- Spreader Bars (Figure 4c)**  
• Terminal ends of main runners and cross members shall be tied together or have some other approved means to prevent their spreading. Source: ASTM E580 Section 5.2.4



- Spreaders are not required at perimeters where runners are attached directly to closure angles.  
• Where substantiating documentation has been provided to the local jurisdiction for review and approval, proprietary perimeter clips may be used to satisfy the requirements for spreader bars.  
**Hanger (Suspension) Wires (Figures 5a and 5b)**  
• Hanger and perimeter wires must be plumb within 1:6 unless (Figure 5a) counter sloping wires are provided (Figure 5b). Source: ASTM C636 Section 2.1.4  
• Hanger wires shall be spaced 4 ft on center, maximum. Source: ASTM C636 Section 2.1.3  
• Hanger wires shall be No. 12-gauge. Source: ASTM C636 Section 2.1.6, ASTM E580 Section 5.2.7.1  
• Hanger wires shall not press against ducts or pipes. Source: ASTM C636 Section 2.1.4  
• Hanger wires shall not have local kinks or bends as a means of leveling main beams or cross tees. Source: ASTM C636 Section 2.2.3, Section 2.3.3  
• Any connection device at the supporting construction shall be capable of carrying not less than 90 lb. Source: ASTM E580 Section 5.2.7.2

- Power Actuated Fasteners (PAFs) are an approved method of attachment for hanger wires where the service load on any individual fastener does not exceed 90 lb in concrete or 250 lb in steel. Source: ASCE Section 7.16, 13.4.5 Exception 1, 8.2, Oregon Building Codes Division Statewide Code Interpretation No. 11-01 (oregon.gov/building-codes-stand/Documents/interp-11-01-pafsettings.pdf)  
• Terminal ends of each main beam and cross tee must be supported within 8 inches of each wall with a perimeter wire or approved wall support (see Figures 4a & 5a). Source: ASTM E580 Section 5.2.6  
• Wires shall not attach to or bend around interfering material or equipment. A trapeze or equivalent device shall be used where obstructions preclude direct suspension. Trapeze suspensions shall be sized to resist the dead load and lateral forces appropriate for the seismic category. Source: ASTM E580 Section 5.2.7.4

- Electrical Fixtures**  
• All lighting fixtures shall be positively attached to the suspended ceiling system by mechanical means as specified in the National Electrical Code (NEC), unless independently supported. Source: ASTM E580 Section 5.3.1  
• Light fixtures weighing less than 10 lb shall have one 12-gauge safety wire connected from the fixture housing to the structure above. This wire may be slack. Source: ASTM E580 Section 5.3.4  
• Light fixtures weighing more than 10 lb and less than or equal to 56 lb shall be supported directly from the structure above by approved hangers. These wires may be slack. Source: ASTM E580 Section 5.3.5

- Light fixtures weighing more than 56 lb shall be supported directly from the structure above by approved hangers. Source: ASTM E580 Section 5.3.5  
• Pendant-hung fixtures shall be directly supported from the structure above using a 9-gauge minimum wire or an approved alternate support without using the ceiling suspension system for direct support. Source: ASTM E580 Section 5.3.7

- Mechanical Services**  
• Terminals or services weighing less than or equal to 20 lb shall be positively attached to the ceiling suspension main runners or to cross runners that have the same carrying capacity as the main runners. Source: ASTM E580 Section 5.4.1  
• Terminals or services weighing more than 20 lb but less than or equal to 56 lb shall be positively attached to the ceiling suspension main runners or to cross runners that have the same carrying capacity as the main runners, and shall have two 12-gauge safety wires connecting them to the ceiling system hangers or the structure above. These wires may be slack. Source: ASTM E580 Section 5.4.2  
• Terminals or services weighing more than 56 lb shall be supported directly from the structure above by approved hangers. Source: ASTM E580 Section 5.4.3

**Glossary for this Document (regional terminology may vary)**

**CROSS TEE** The cross member that interlocks with the main beams, also known as a cross runner or cross T-bar.

**DIFFUSER** A circular or rectangular metal grill used for the passage of air from a ducted system.

**GRID** The main beams and cross tees of the suspension system.

**HANGER WIRE** 10- or 12-gauge soft annealed wire used as primary support for the grid system. Also called a suspension wire.

**LATERAL-FORCE BRACING** The bracing method used to prevent ceiling uplift or restrict lateral movement during a seismic event. Lateral-force bracing consists of vertical struts and splay wires.

**MAIN BEAM** The primary suspension member supported by hanger wires, also known as the main runner or carrying tee, carrying runner or mains.

**MOLDING/CLOSURE ANGLE** A light-gauge metal angle or channel fastened to the perimeter wall or partition to support the perimeter ends of an acoustical ceiling grid.

**PERIMETER CLIP** A proprietary angle bracket attached directly to the wall molding/closure angle which allows for 3/4" in movement in the event of seismic activity and interlocks properly with ends of grid system.

**PERIMETER WIRE** A hanger wire placed within 8 in of the surrounding walls.

**PLENUM** The space above a suspended ceiling.

**SLACK WIRE** A 12-gauge wire that is not tight or taut.

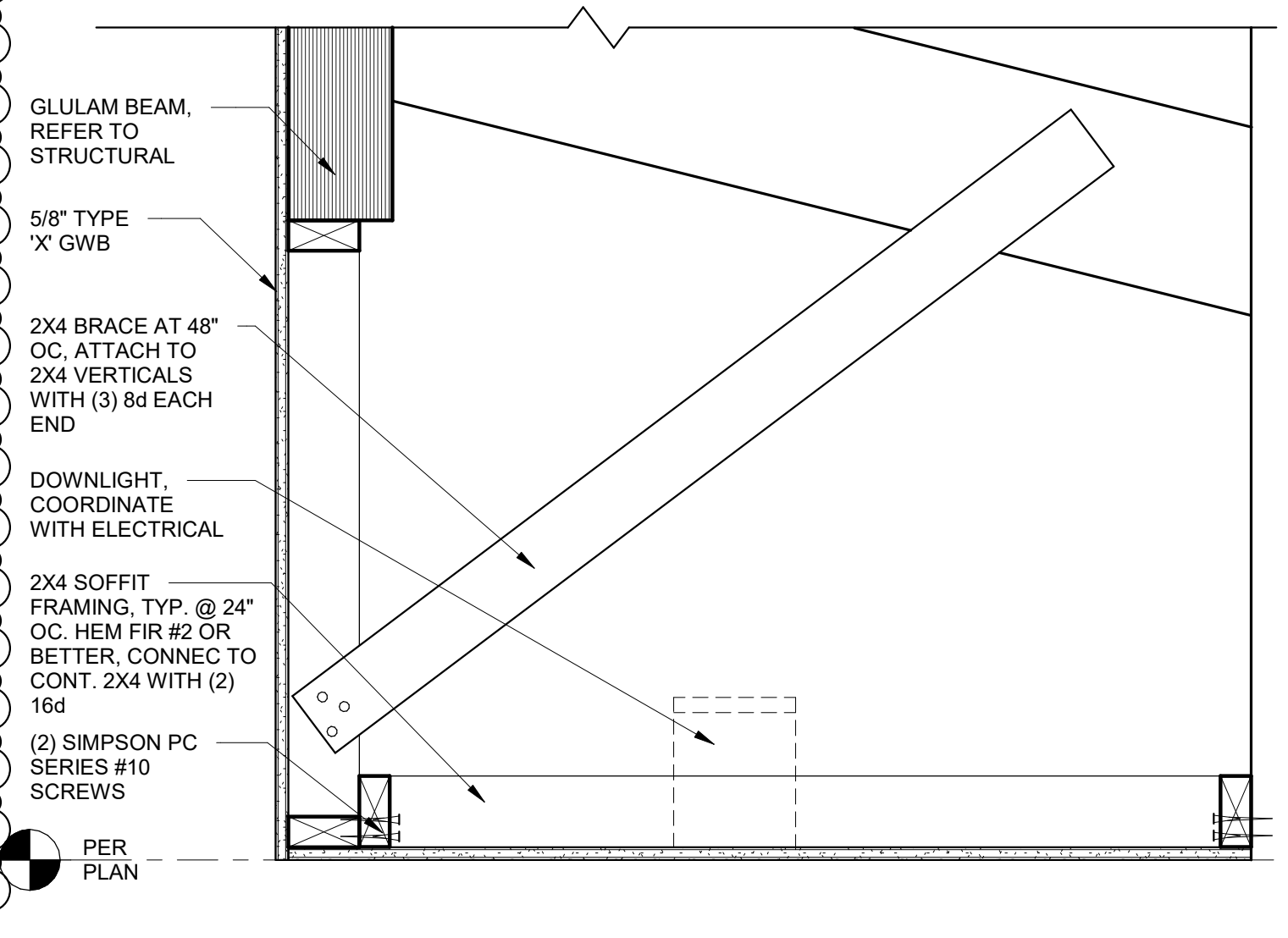
**SPREADER or SPACER BAR** A bar with notches to prevent the suspension system from separating, also called a stabilizer bar.

**SPLAY WIRE** A wire installed at an angle rather than perpendicular to the grid.

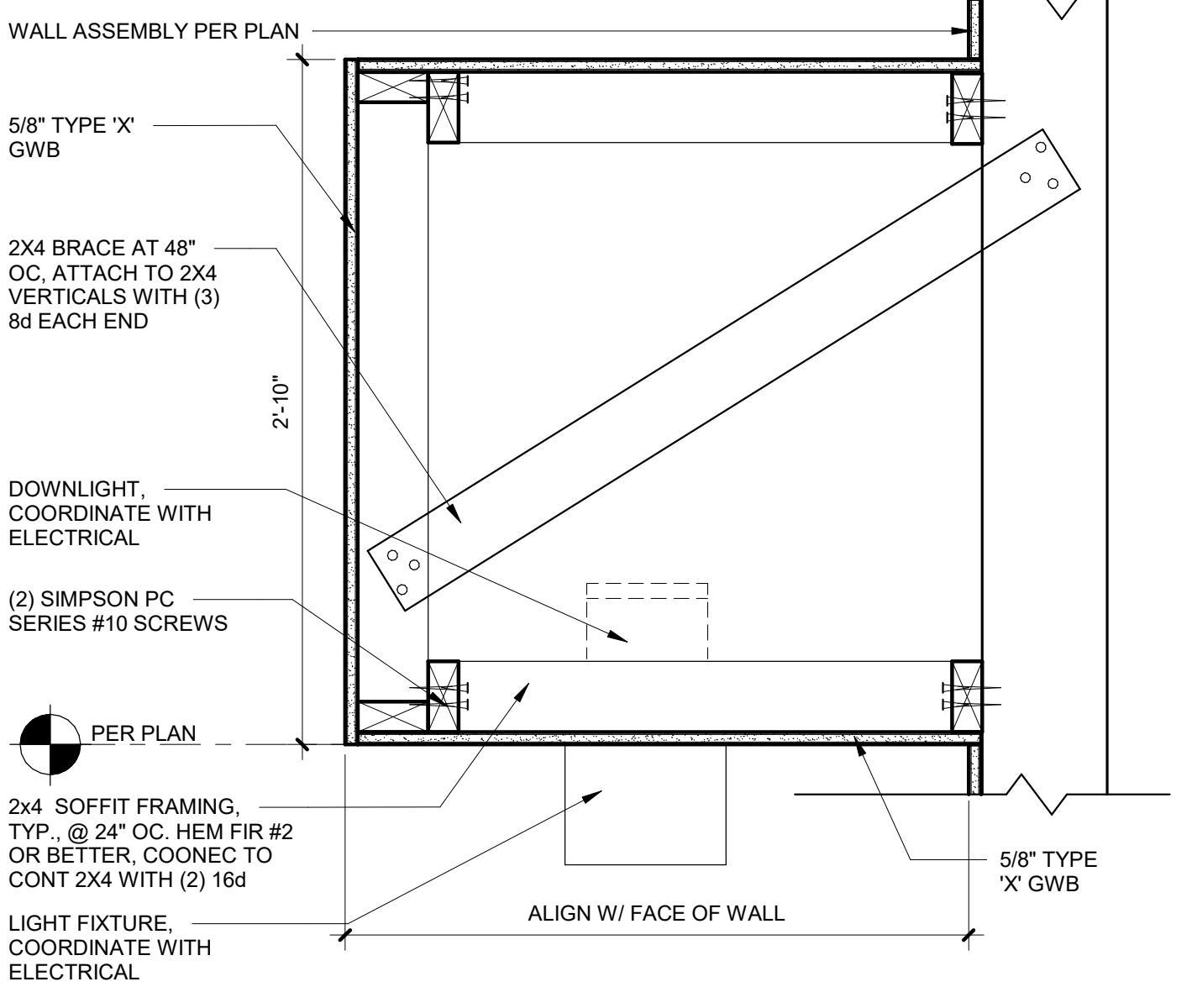
**VERTICAL STRUT** The rigid vertical member used in lateral-force bracing of the suspension system. Also known as a compression post, seismic post or seismic strut. Common materials are electrical conduit (EMT), metal studs or proprietary products.

The NWCB has been serving the construction industry since 1950. It is recognized as a technical authority, educational body and spokesperson for the wall and ceiling industry. It provides services to architects and the construction community on all matters relating to the diversified wall and ceiling industry. As the industry's development and coordination organization, the NWCB saw the need to establish this document to provide clarification and the intent of NEHRP (National Earthquake Hazards Reduction Program) an agency of FEMA (Federal Emergency Management Agency). It is meant to serve as a set of recommendations and is not intended for any specific construction project. NWCB makes no express or implied warranty or guarantee of the techniques, construction methods or materials identified herein.

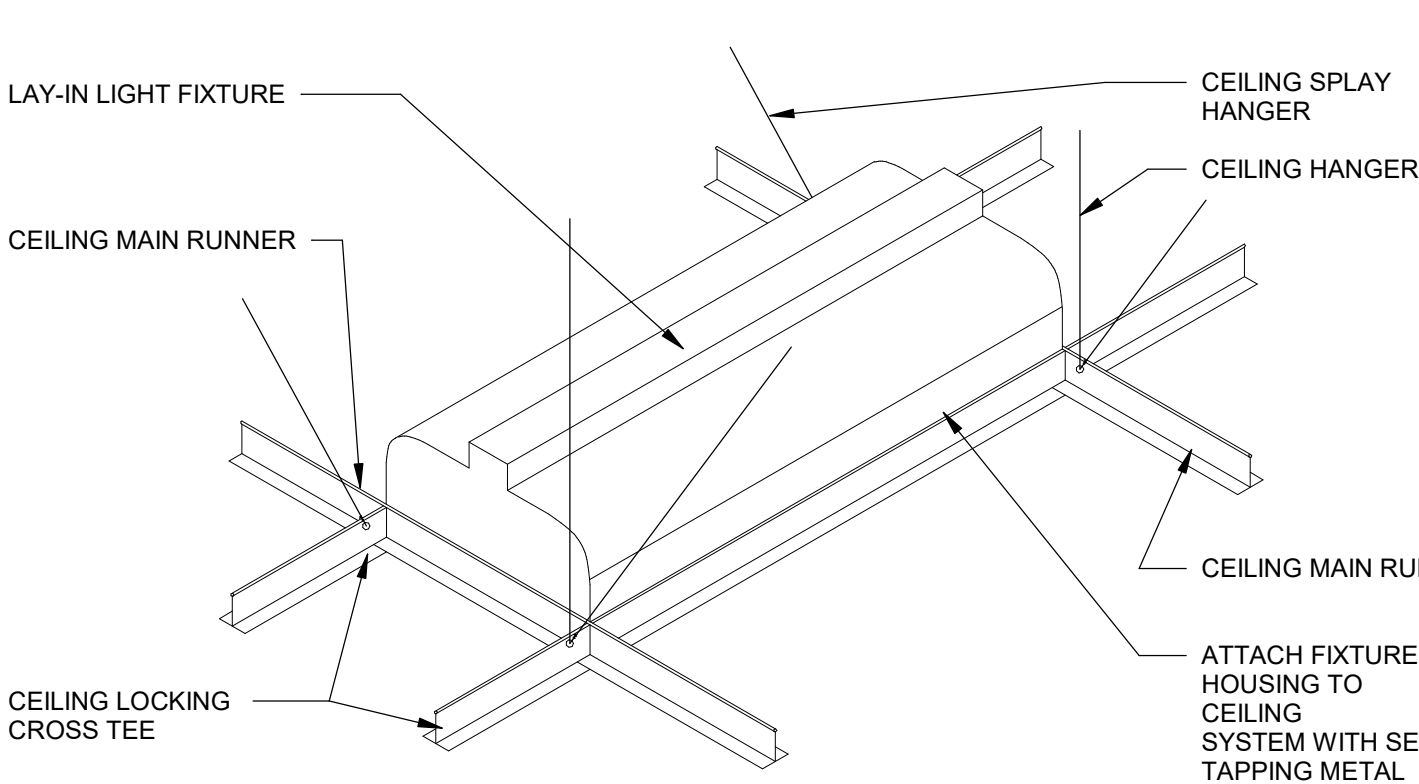
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4 SOFFIT AT FIREPLACE  
1 1/2" = 1'-0"

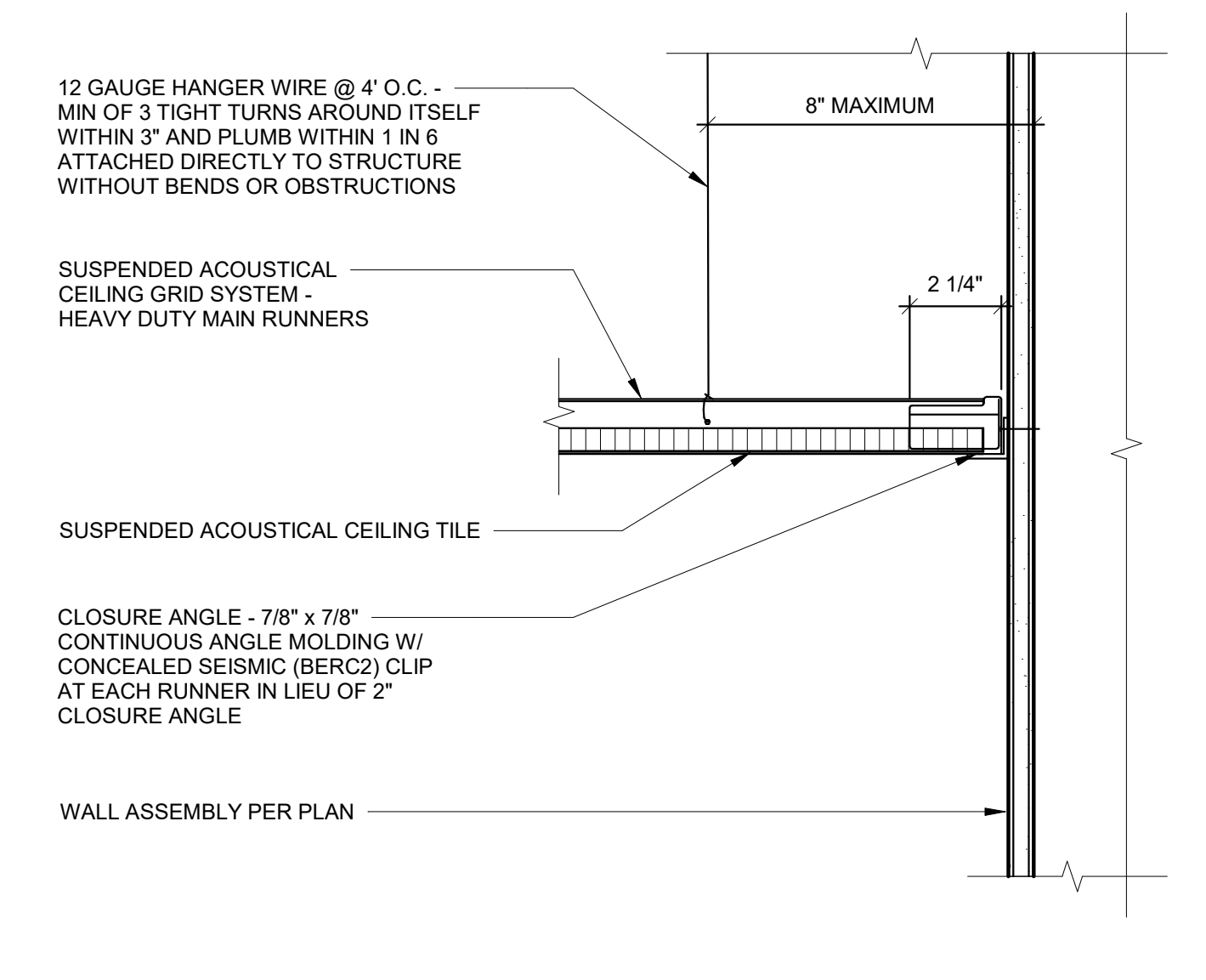


3 SOFFIT AT CONDIMENT STATION  
1 1/2" = 1'-0"



**NOTE:** LATERAL BRACING FOR SUSPENDED CEILING MUST BE PROVIDED PER IBC REQUIREMENTS WHERE LOADS ARE LESS THAN 5 POUNDS PER FOOT AND NOT SUPPORTING INTERIOR PARTITIONS. CEILING BRACING SHALL BE PROVIDED BY FOUR NO. 12 GAUGE WIRES SECURED TO THE MAIN RUNNER INTERSECTION AND SPAYED 90° FROM THE PLANE OF THE CEILING. THESE HORIZONTAL RESTRAINT POINTS SHALL BE IN BOTH DIRECTIONS, WITH THE FIRST POINT WITHIN 4'-0" FROM EACH WALL. ATTACHMENT OF THE RESTRAINT WIRES TO THE STRUCTURE ABOVE SHALL BE ADEQUATE FOR THE LOAD IMPOSED. INSTALL TWO ADDITIONAL WIRES AT OPPOSITE CORNERS (MAY BE SLACK) OF LIGHT FIXTURE HOUSING AND ATTACHMENT OF CEILING REGISTERS WITH SAME.

2 LAY-IN LIGHT FIXTURE  
3" = 1'-0"



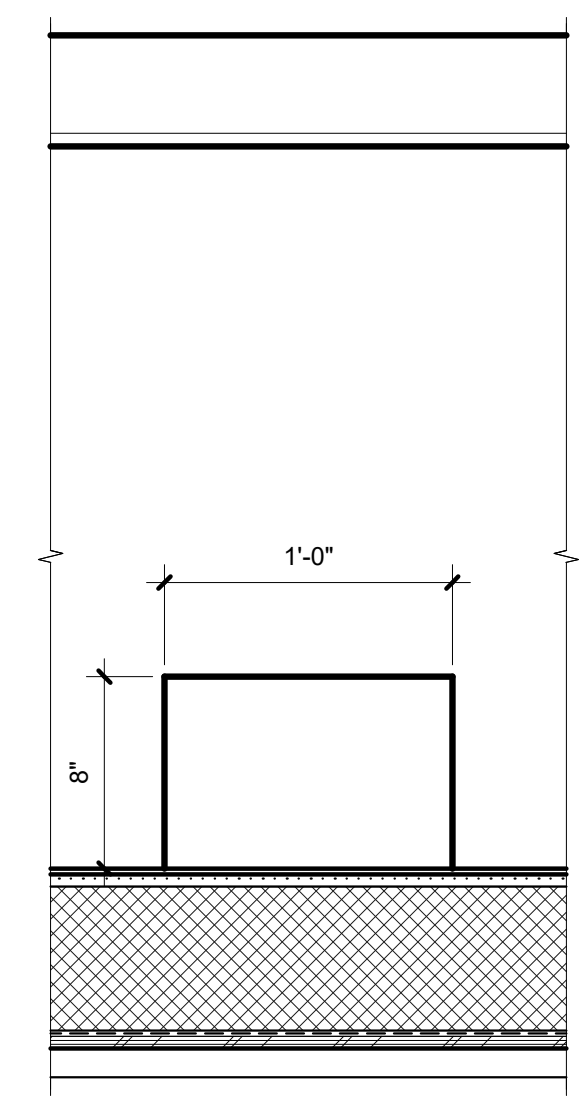
1 ACOUSTIC CEILING TILE AT WALL  
3" = 1'-0"

5 NWCB BULLETIN 401  
N.T.S.

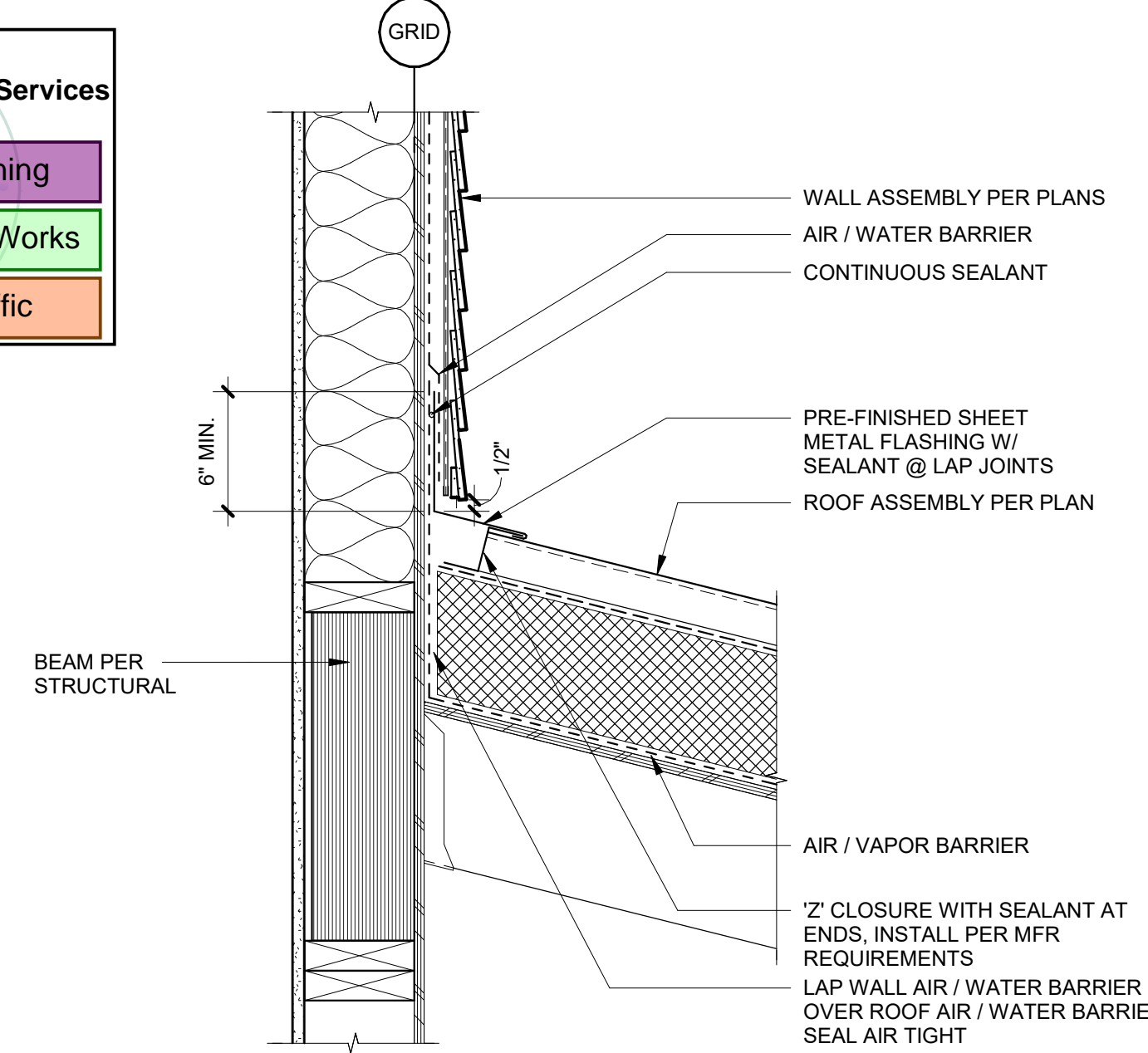


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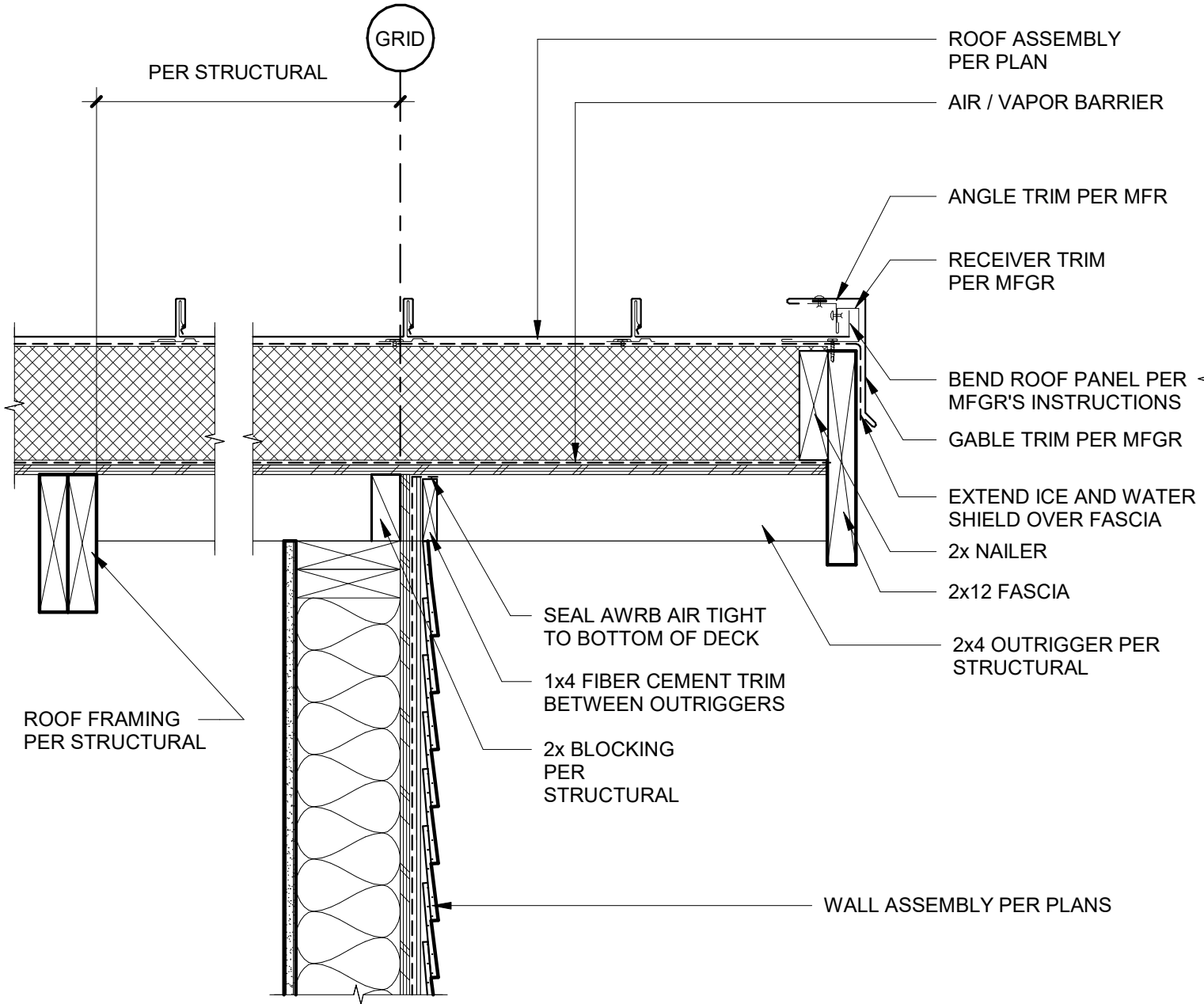
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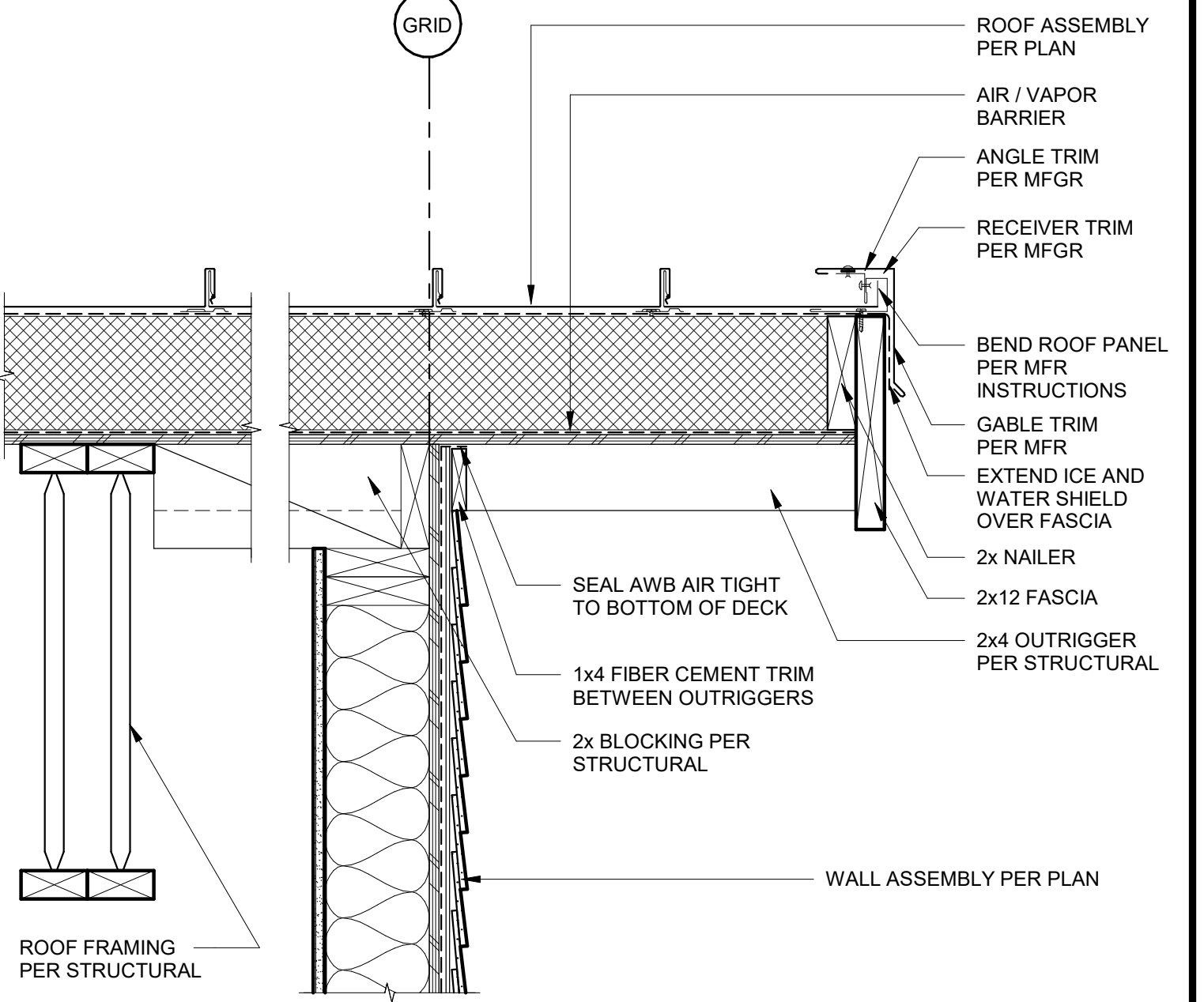
**12 THRU-WALL SCUPPER ELEVATION**  
1 1/2" = 1'-0"



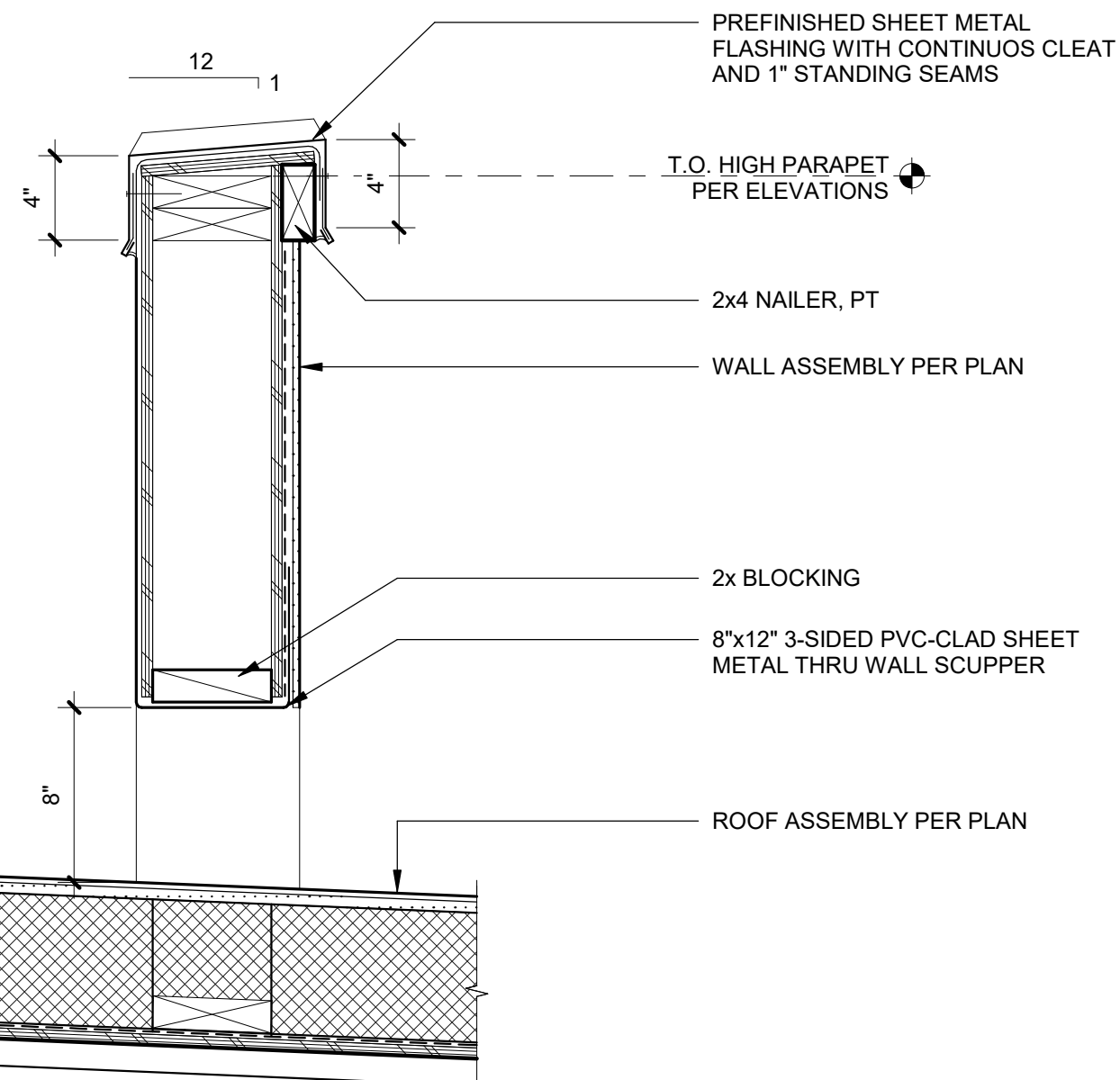
**9 METAL ROOF TRANSITION**  
1 1/2" = 1'-0"



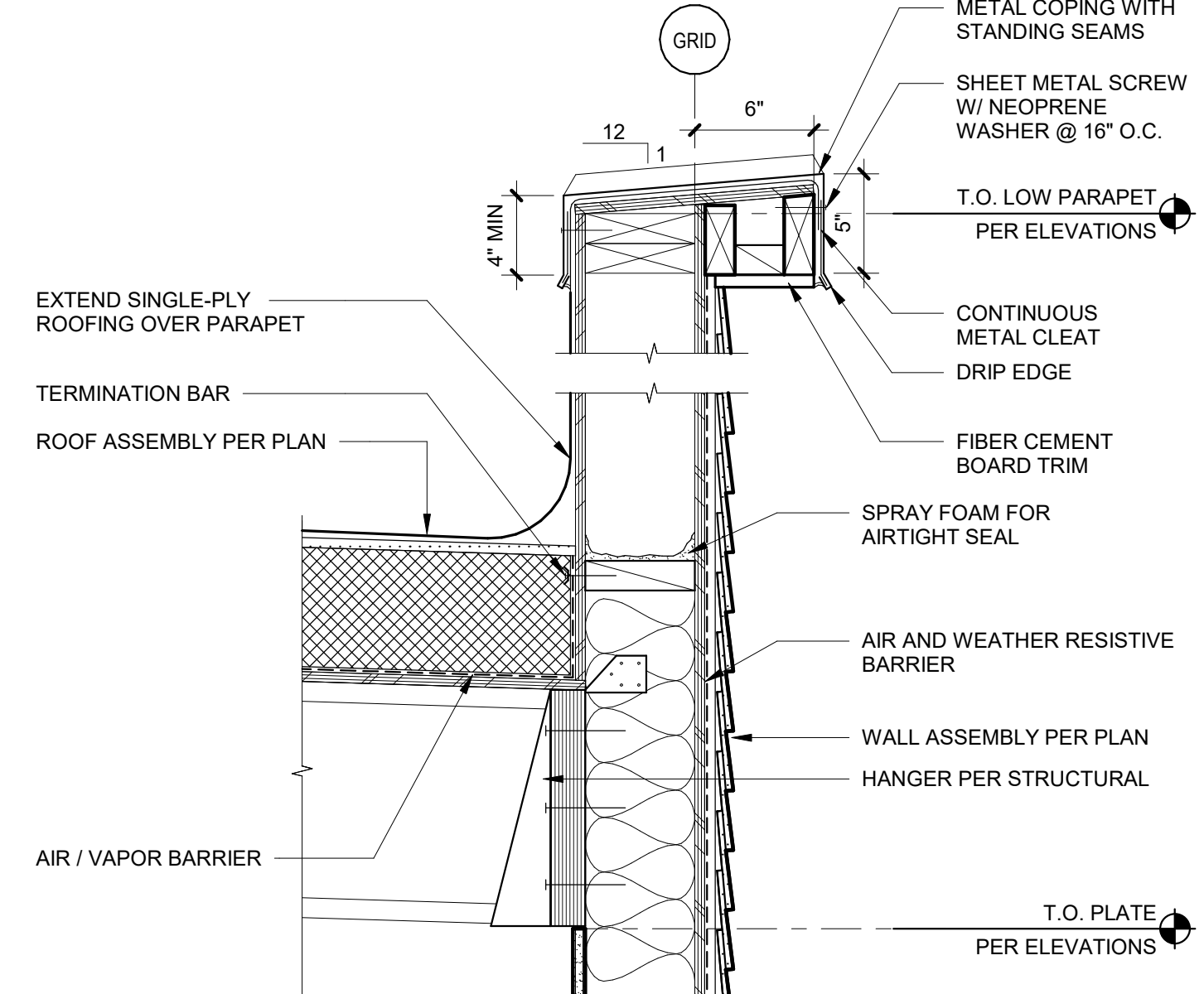
**6 RAKE AT ENTRY**  
1 1/2" = 1'-0"



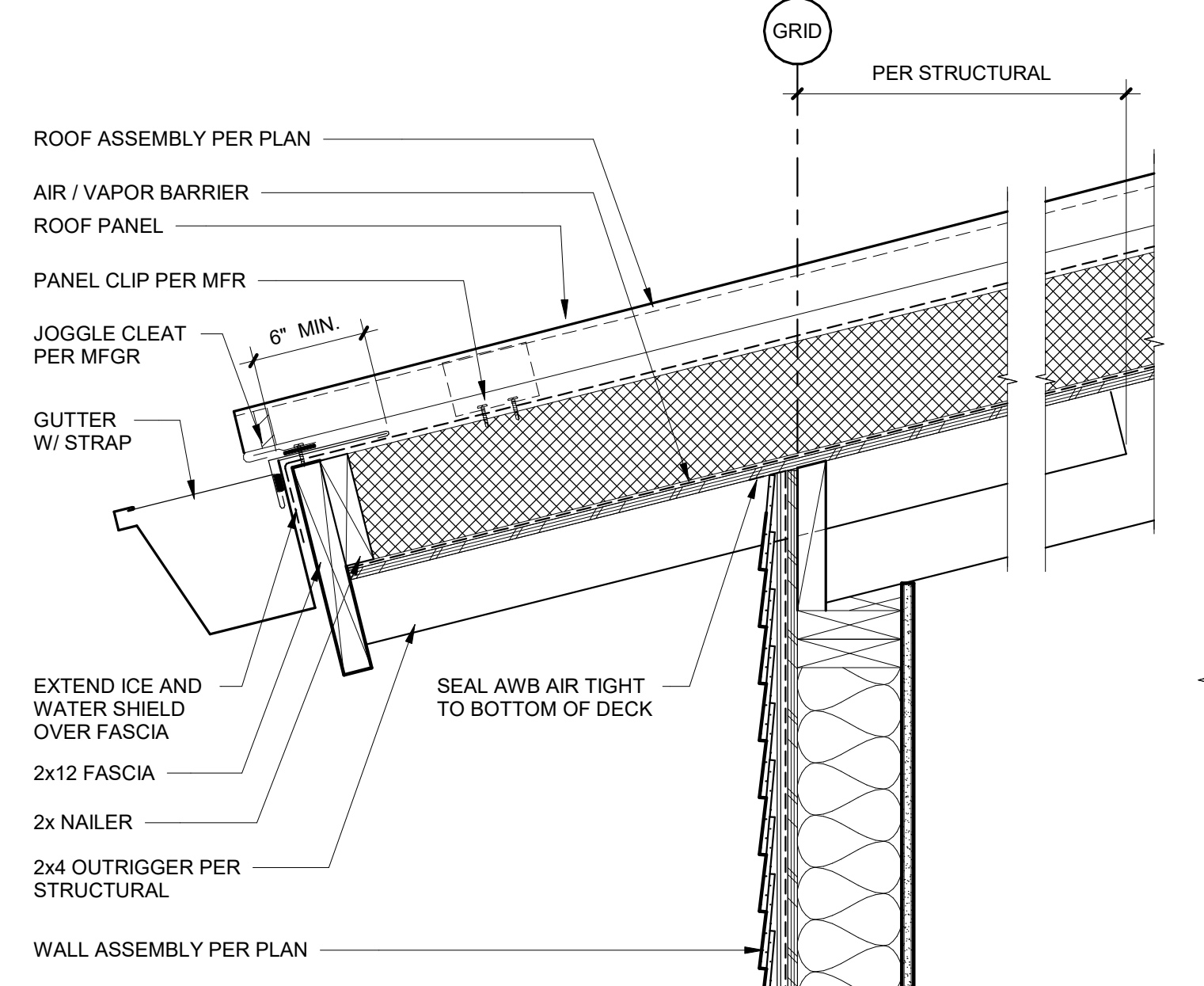
**3 RAKE AT DINING**  
1 1/2" = 1'-0"



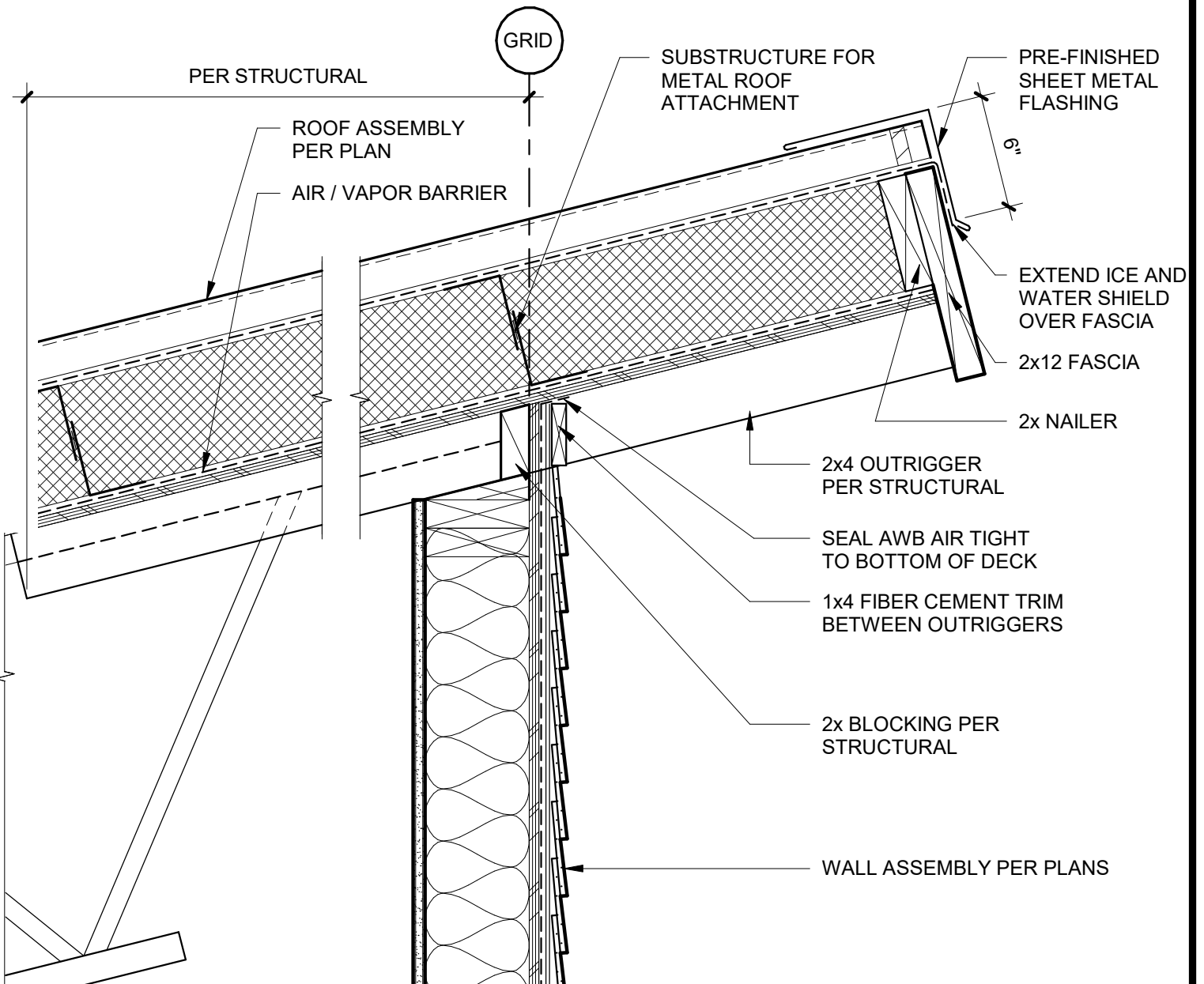
**11 THRU-WALL SCUPPER SECTION**  
1 1/2" = 1'-0"



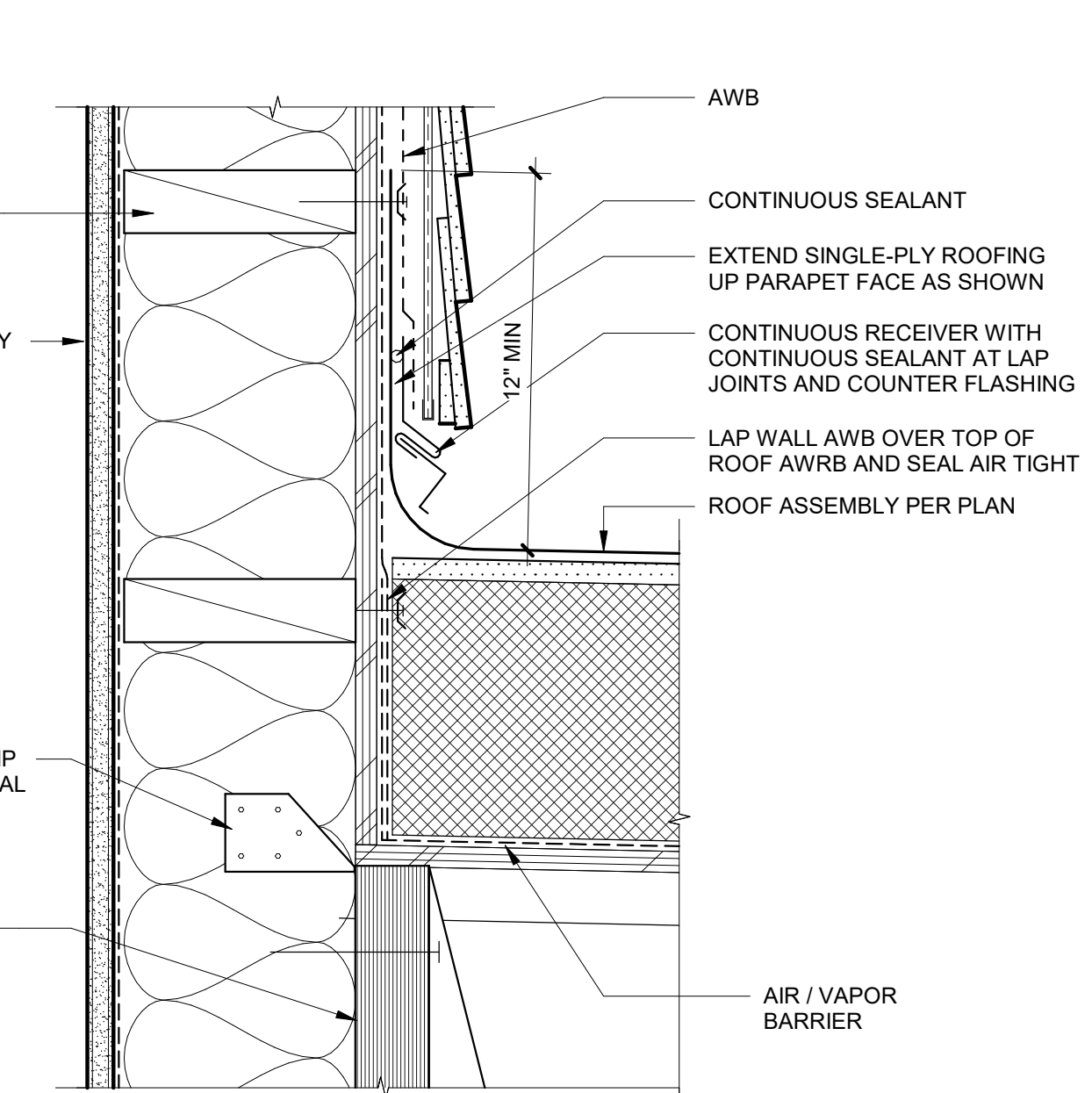
**8 LOW PARAPET**  
1 1/2" = 1'-0"



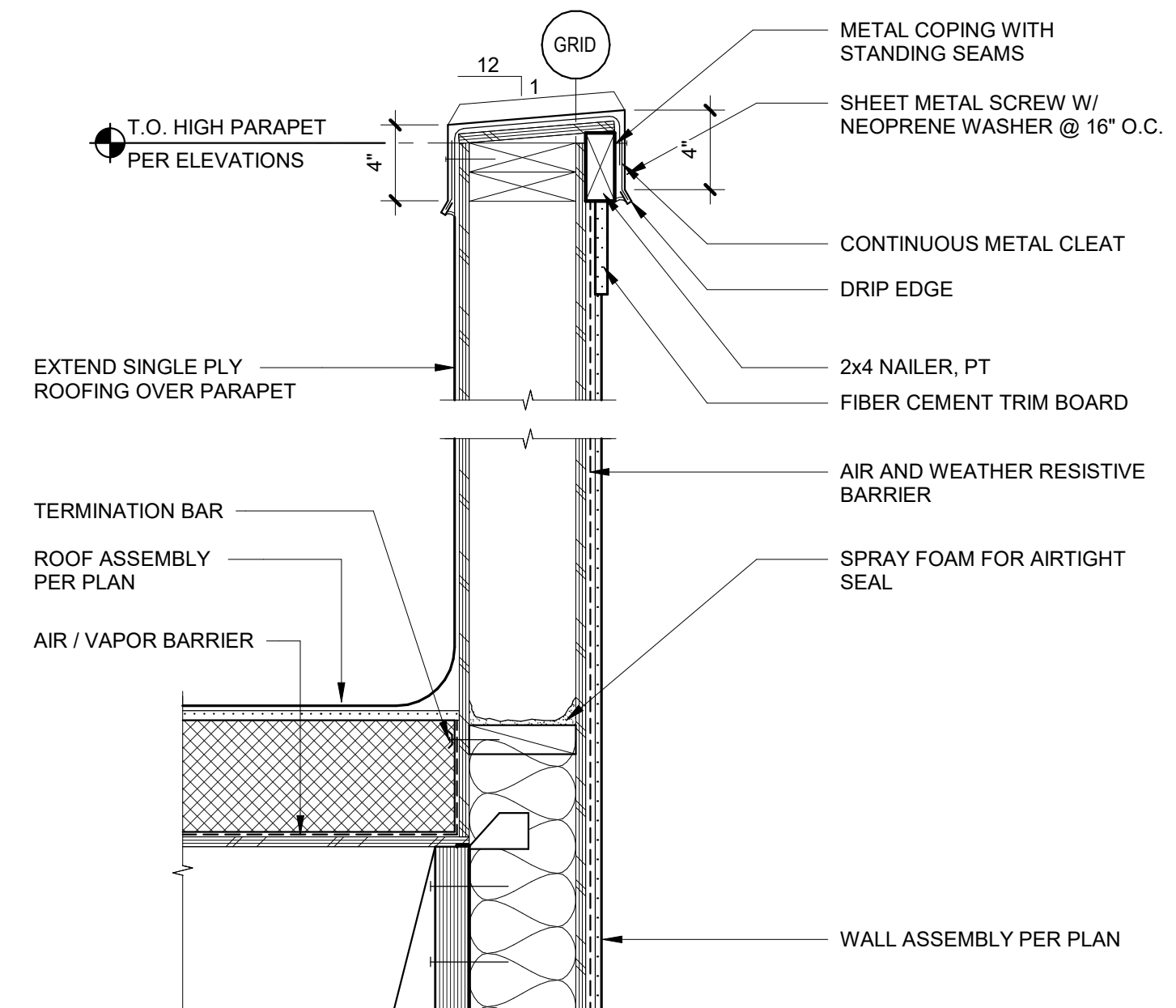
**5 EAVE AT ENTRY**  
1 1/2" = 1'-0"



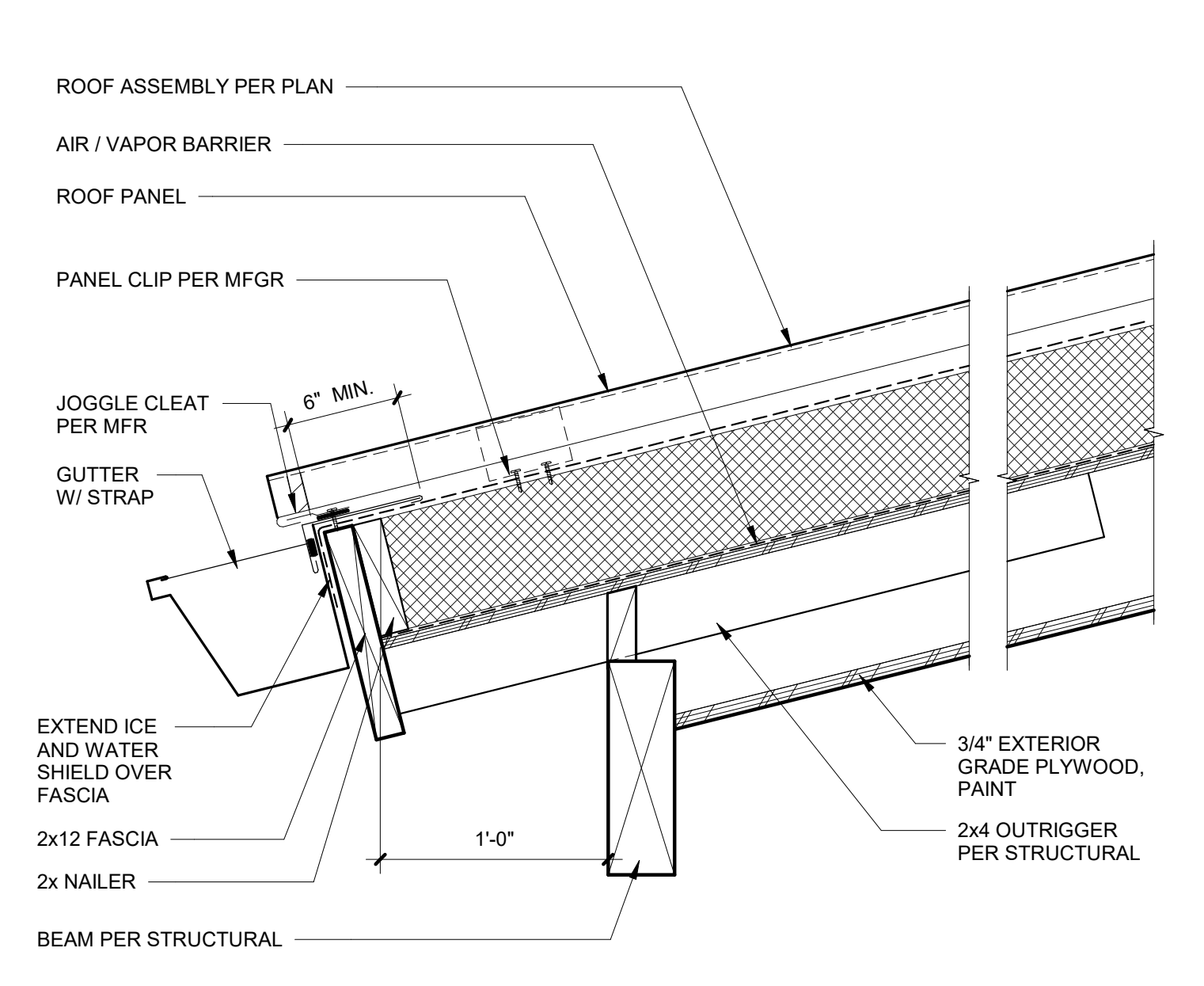
**2 HIGH EAVE AT DINING**  
1 1/2" = 1'-0"



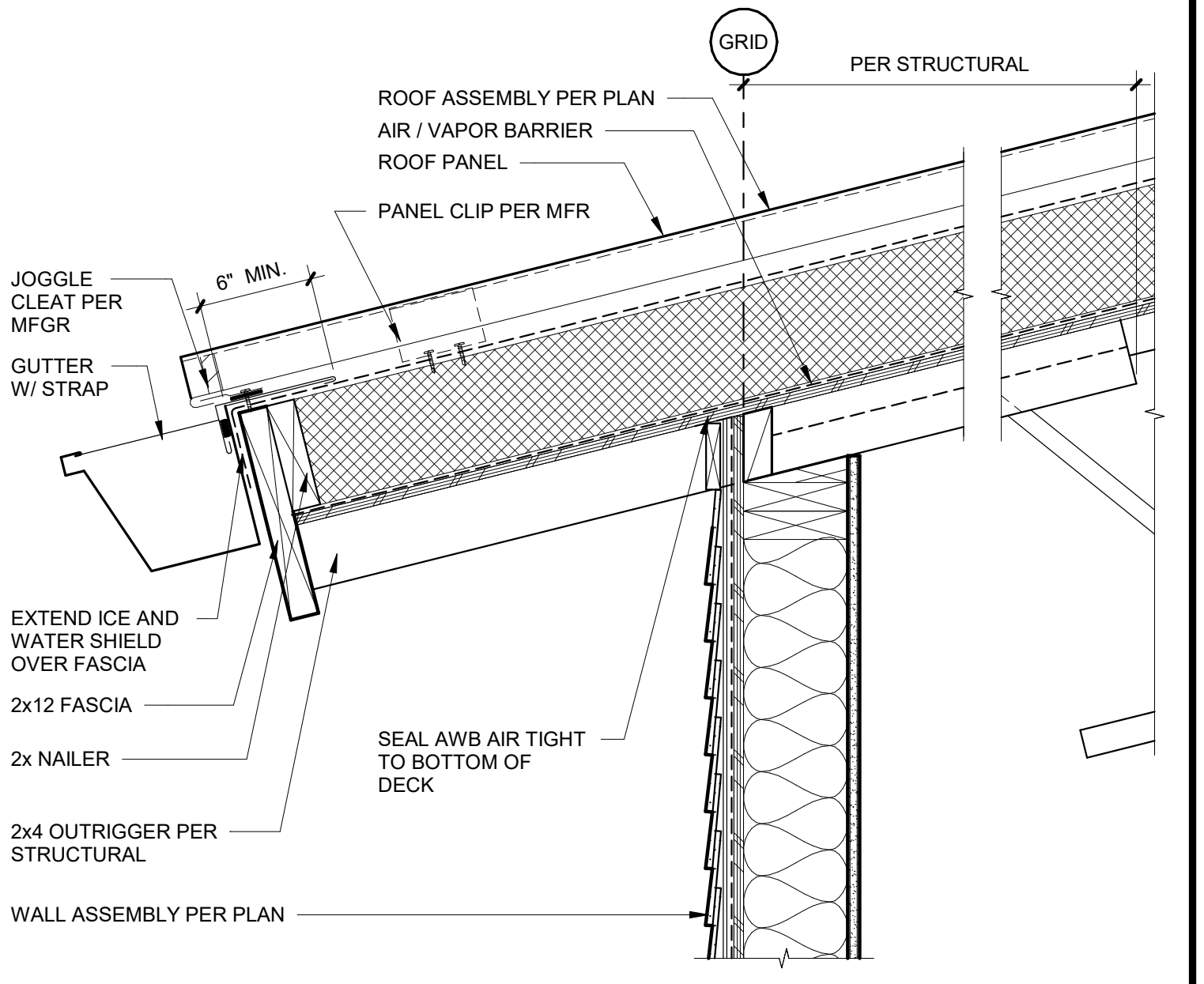
**10 TPO ROOF TRANSITION**  
3" = 1'-0"



**7 HIGH PARAPET**  
1 1/2" = 1'-0"



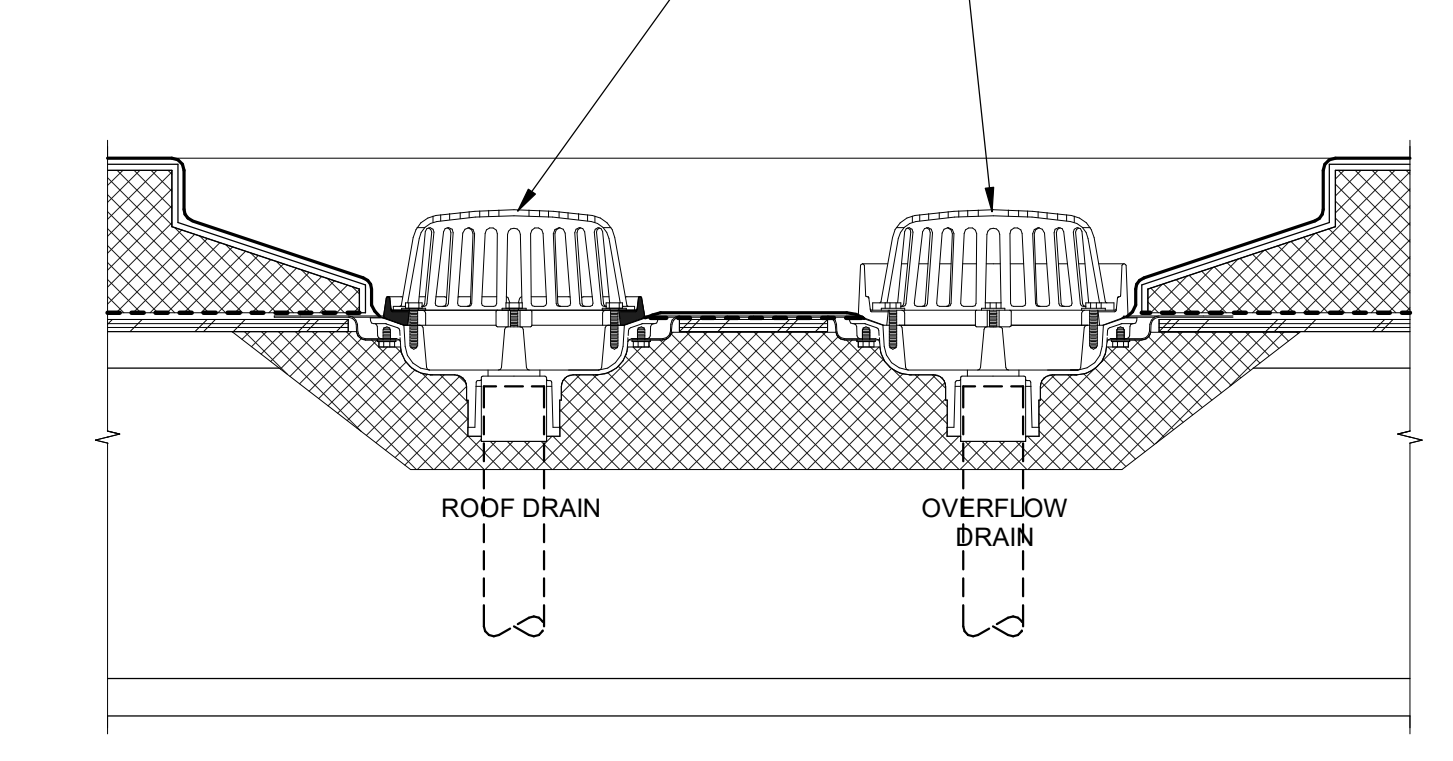
**4 EAVE AT OUTDOOR DINING**  
1 1/2" = 1'-0"



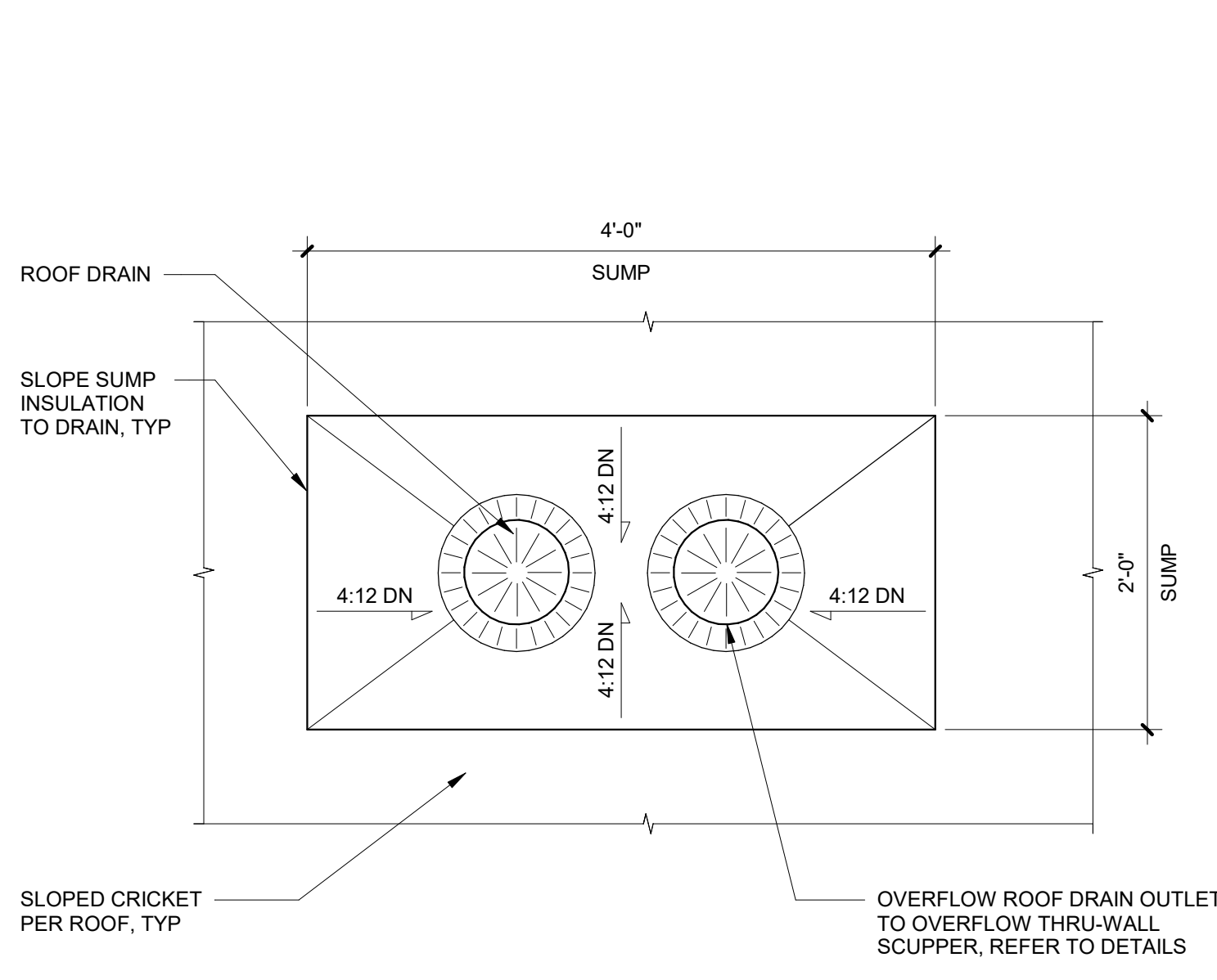
**1 LOW EAVE AT DINING**  
1 1/2" = 1'-0"

**City of Puyallup**  
Development & Permitting Services  
**ISSUED PERMIT**

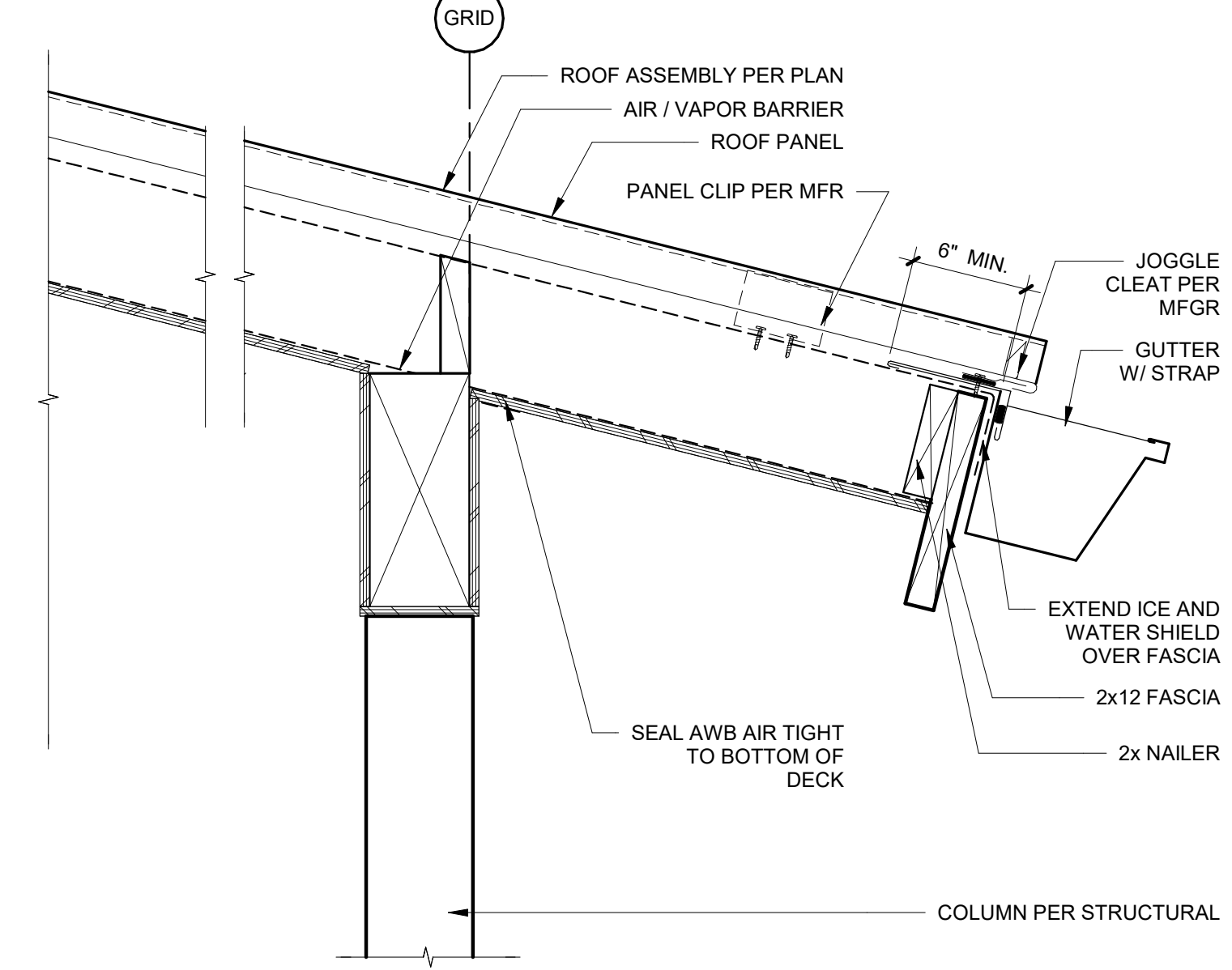
Building	Planning
Engineering	Public Works
Fire	Traffic



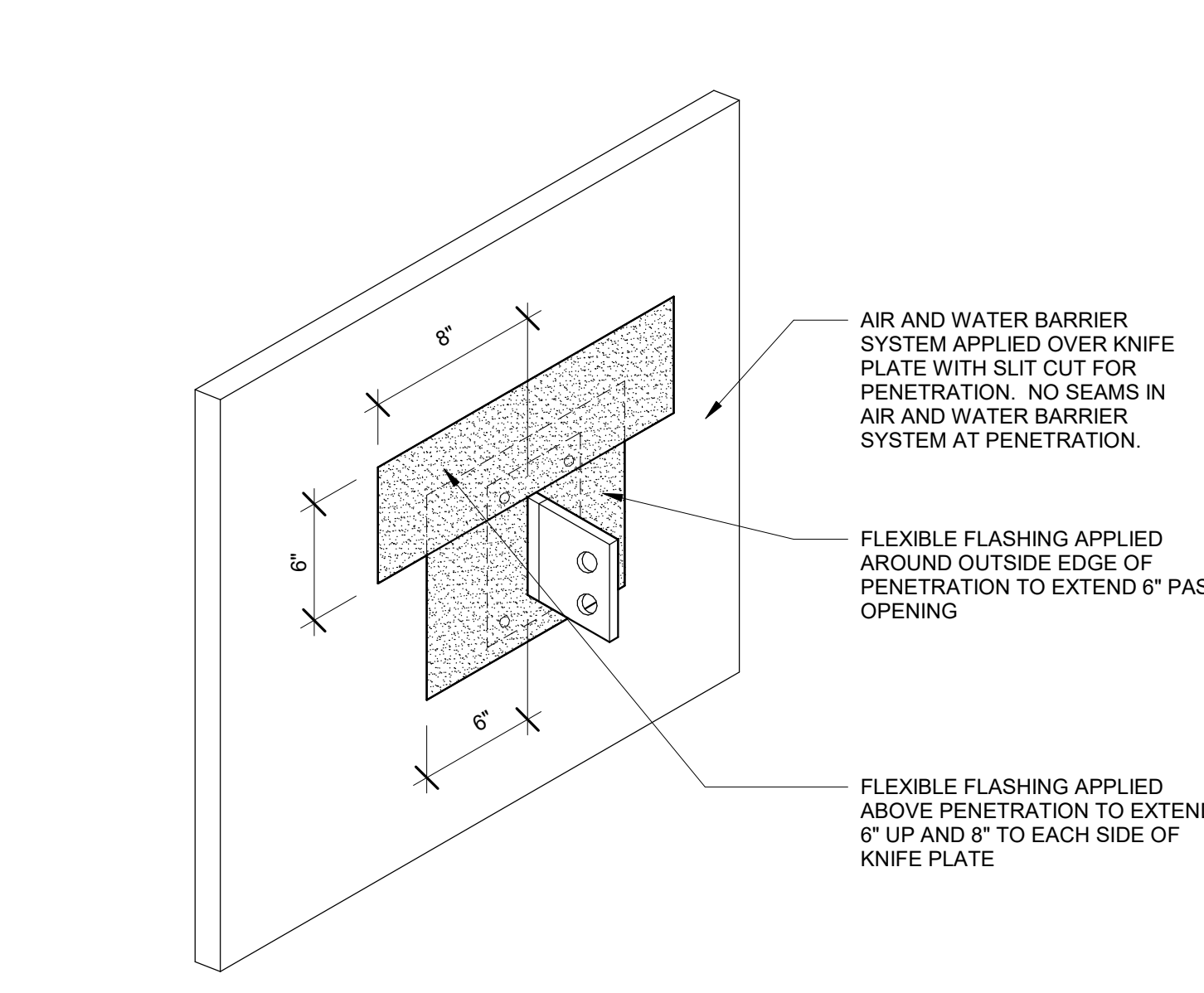
3 ROOF DRAIN AND OVERFLOW  
1 1/2" = 1'-0"



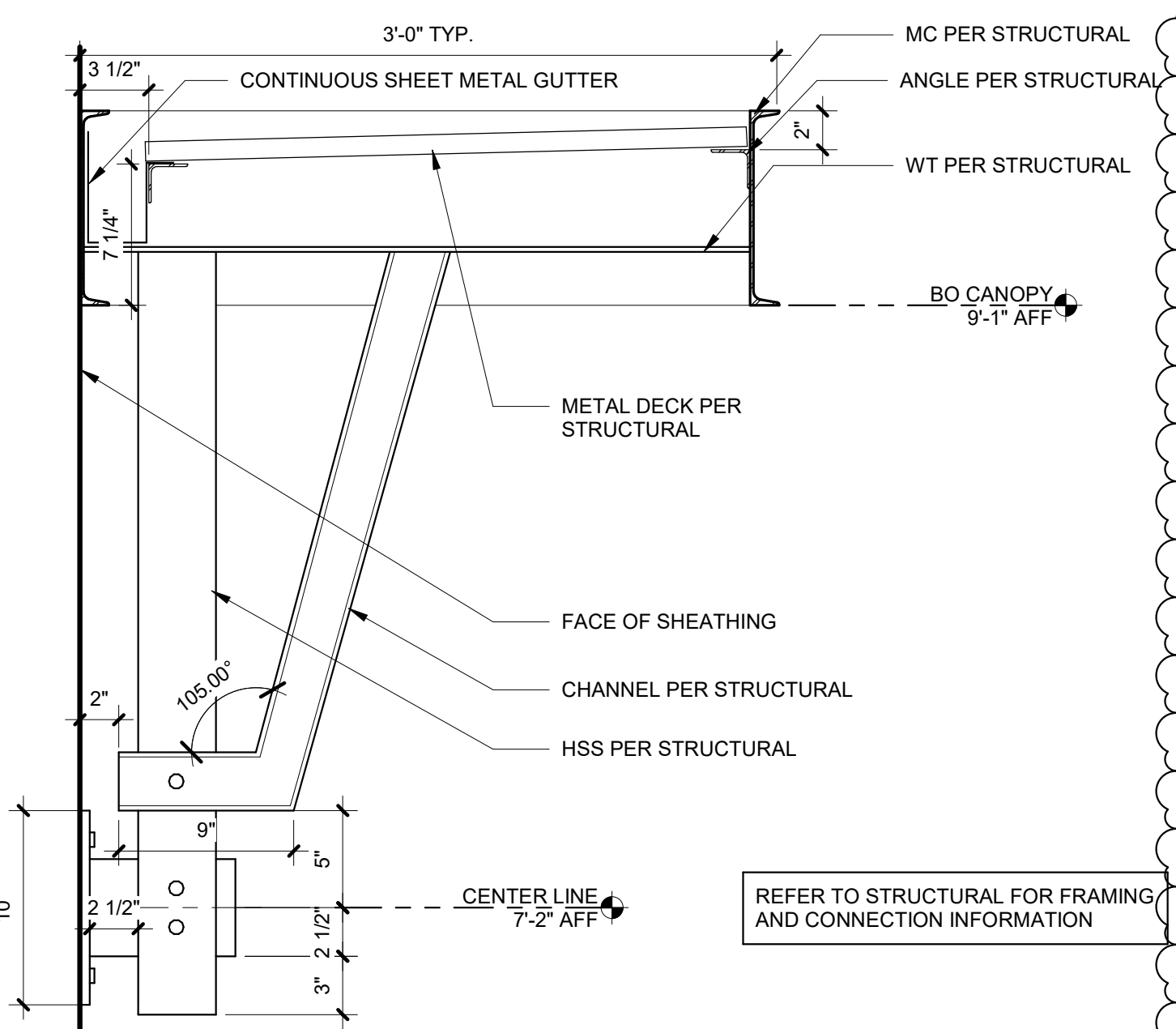
6 ROOF DRAIN SUMP DETAIL  
1" = 1'-0"



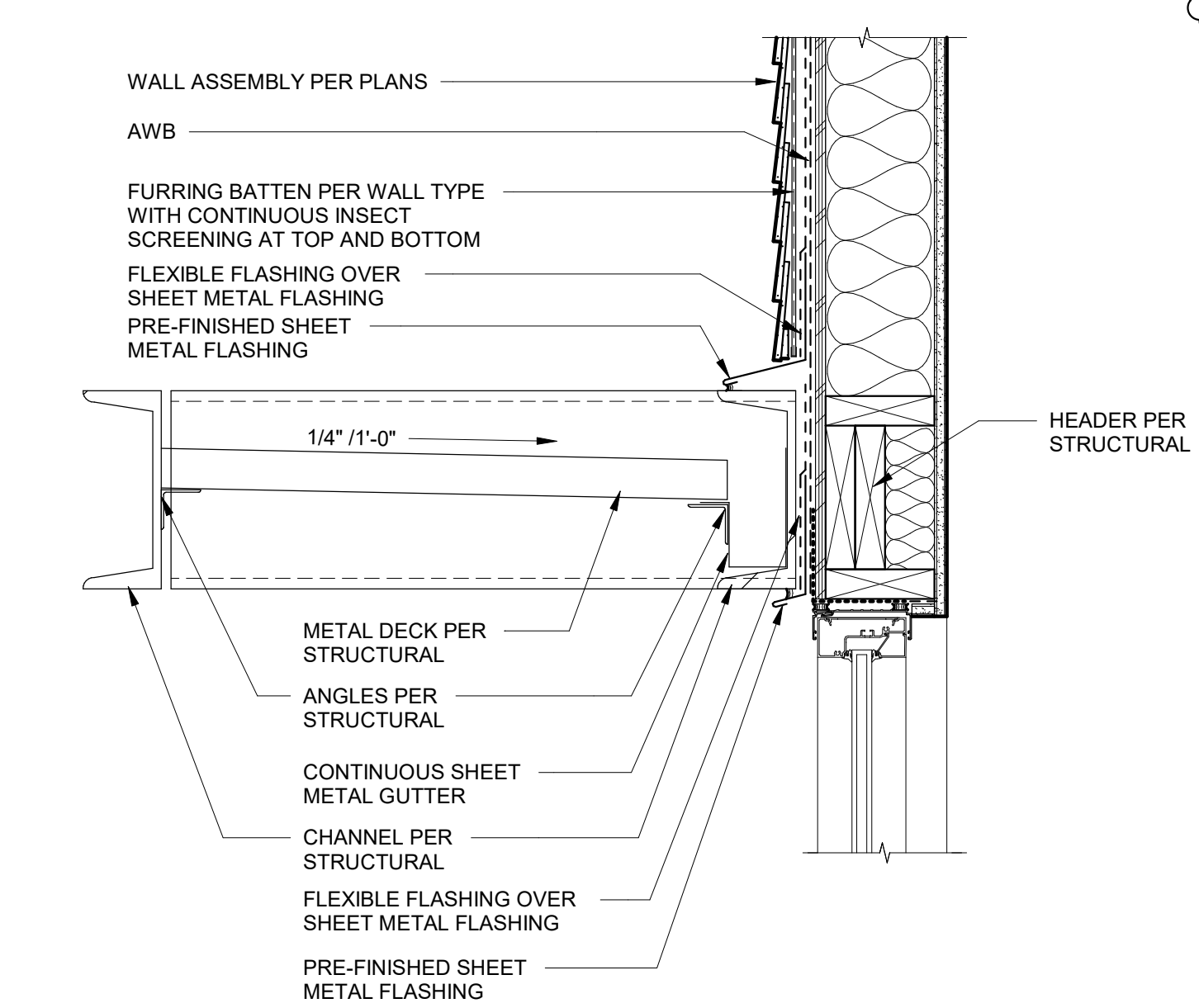
5 OVERHANG EAVE  
1 1/2" = 1'-0"



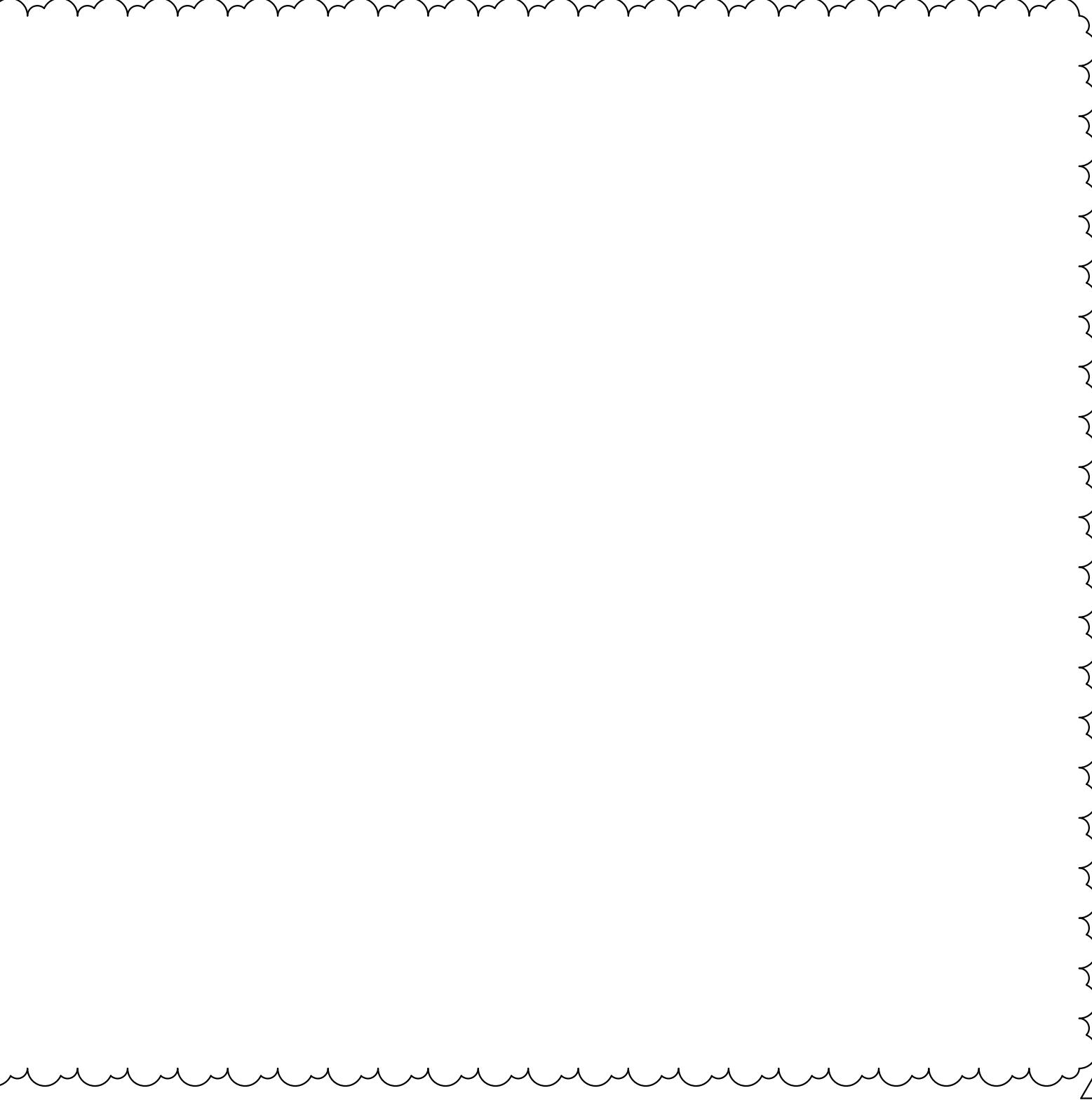
11 TYPICAL KNIFE PLATE FLASHING  
3" = 1'-0"



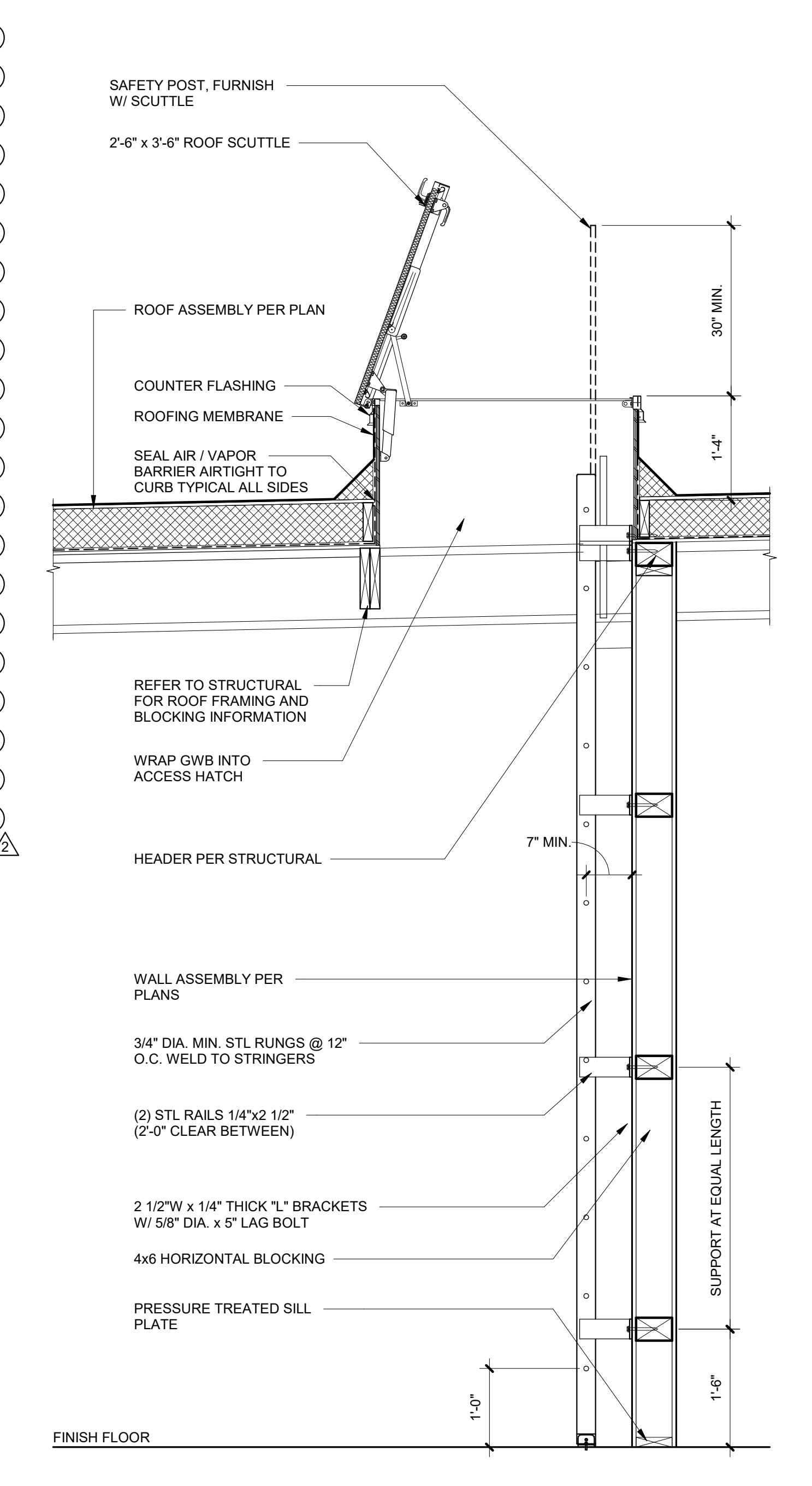
10 CANOPY DETAIL  
1 1/2" = 1'-0"



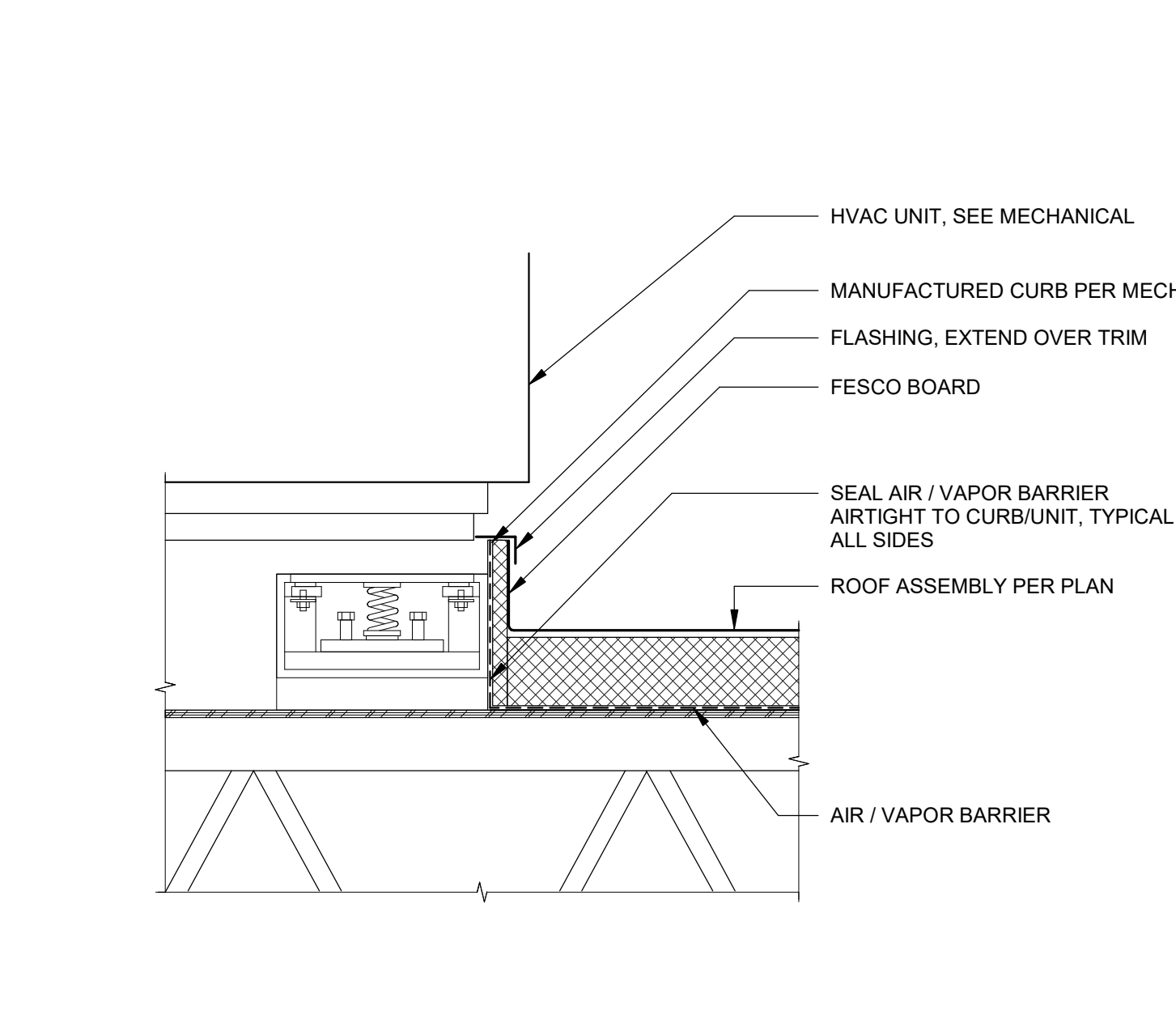
9 CANOPY AT DRIVE-THRU  
1 1/2" = 1'-0"



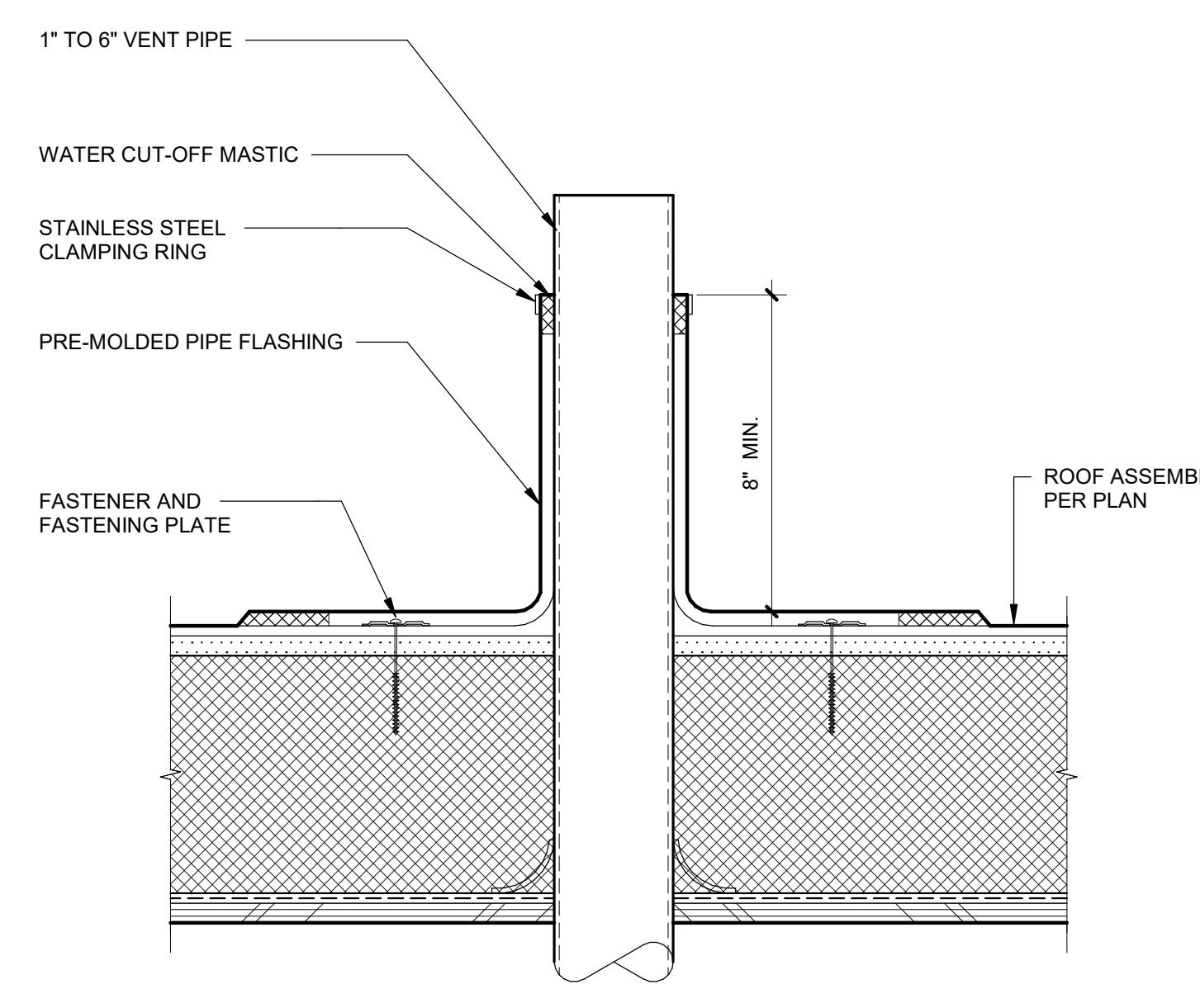
7 ROOF ACCESS LADDER  
3/4" = 1'-0"



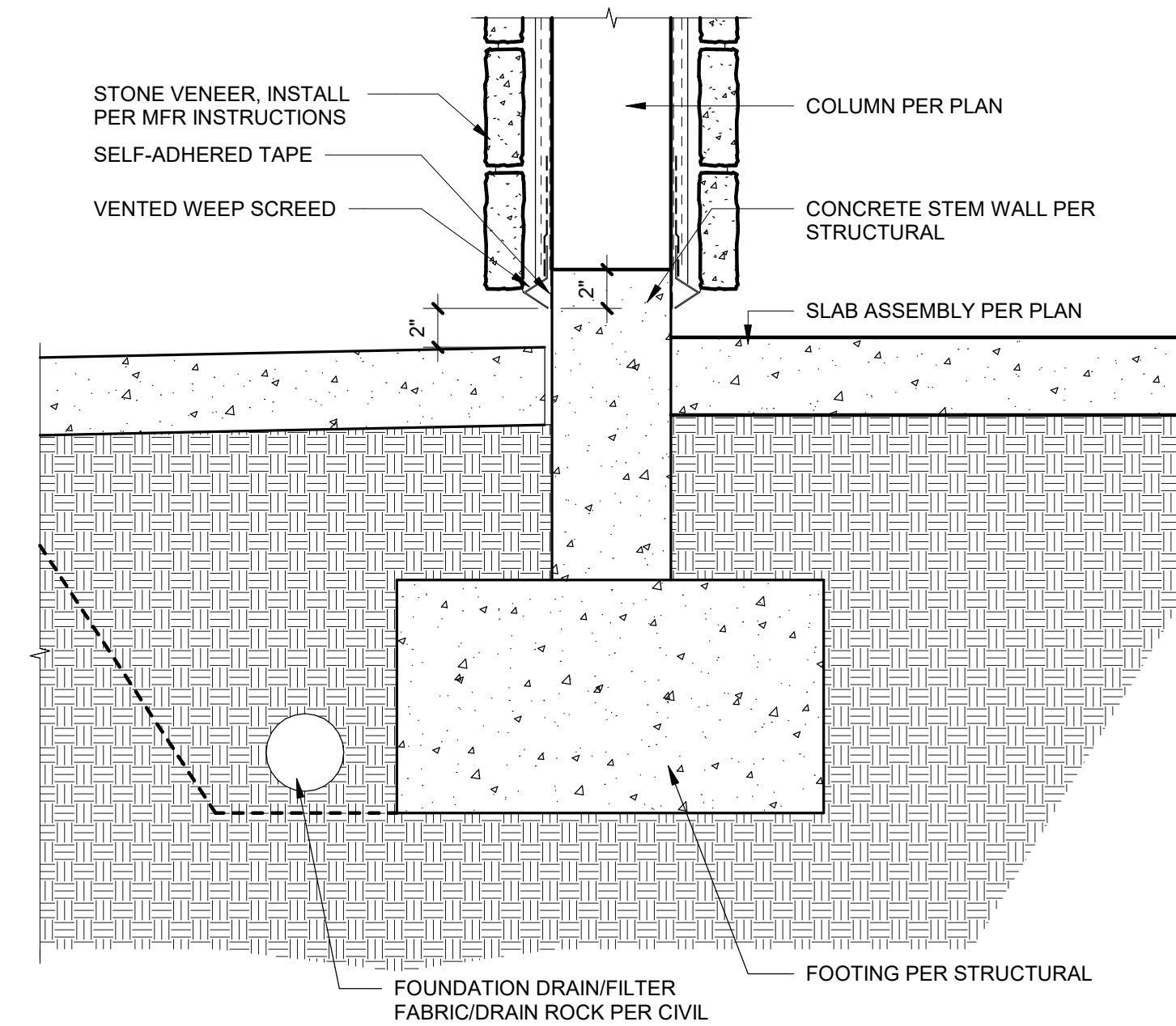
4 ROOF ACCESS LADDER  
3/4" = 1'-0"



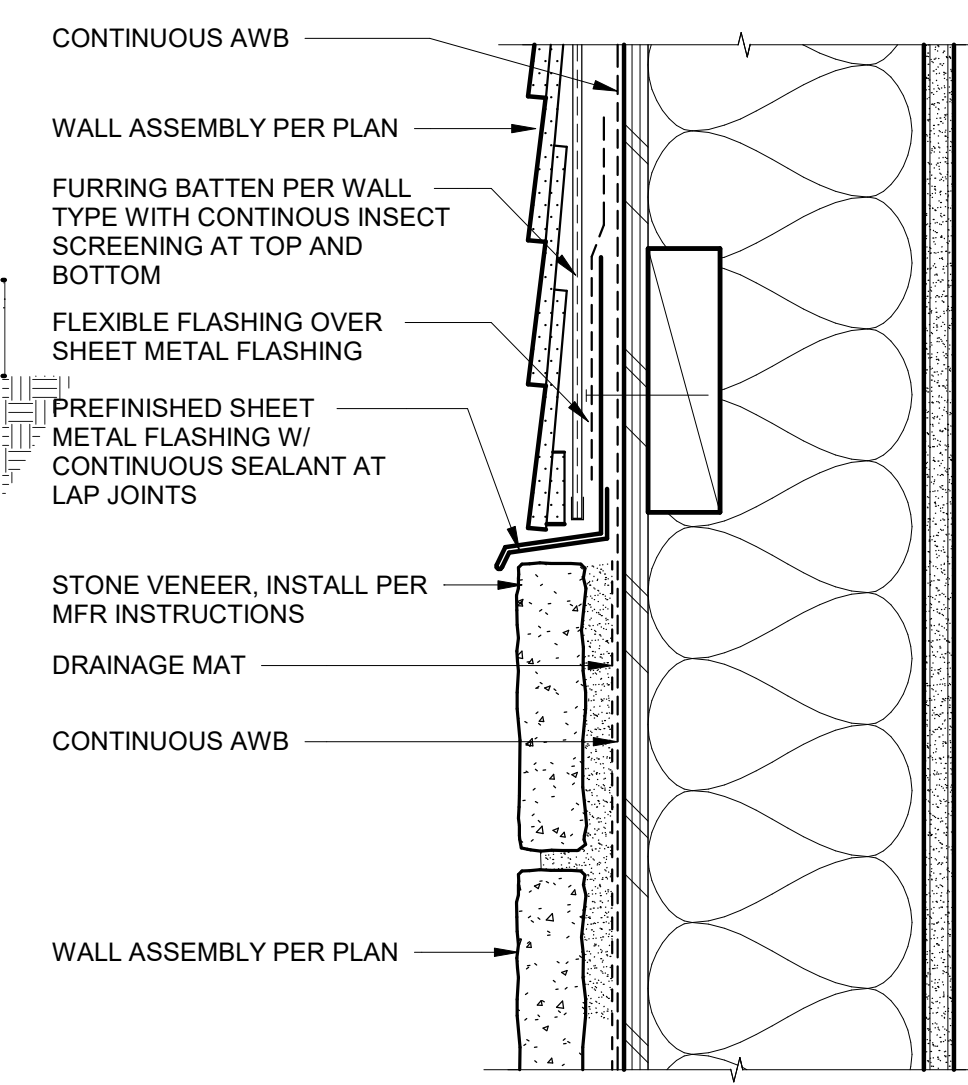
2 MECHANICAL CURB UNIT  
3/4" = 1'-0"



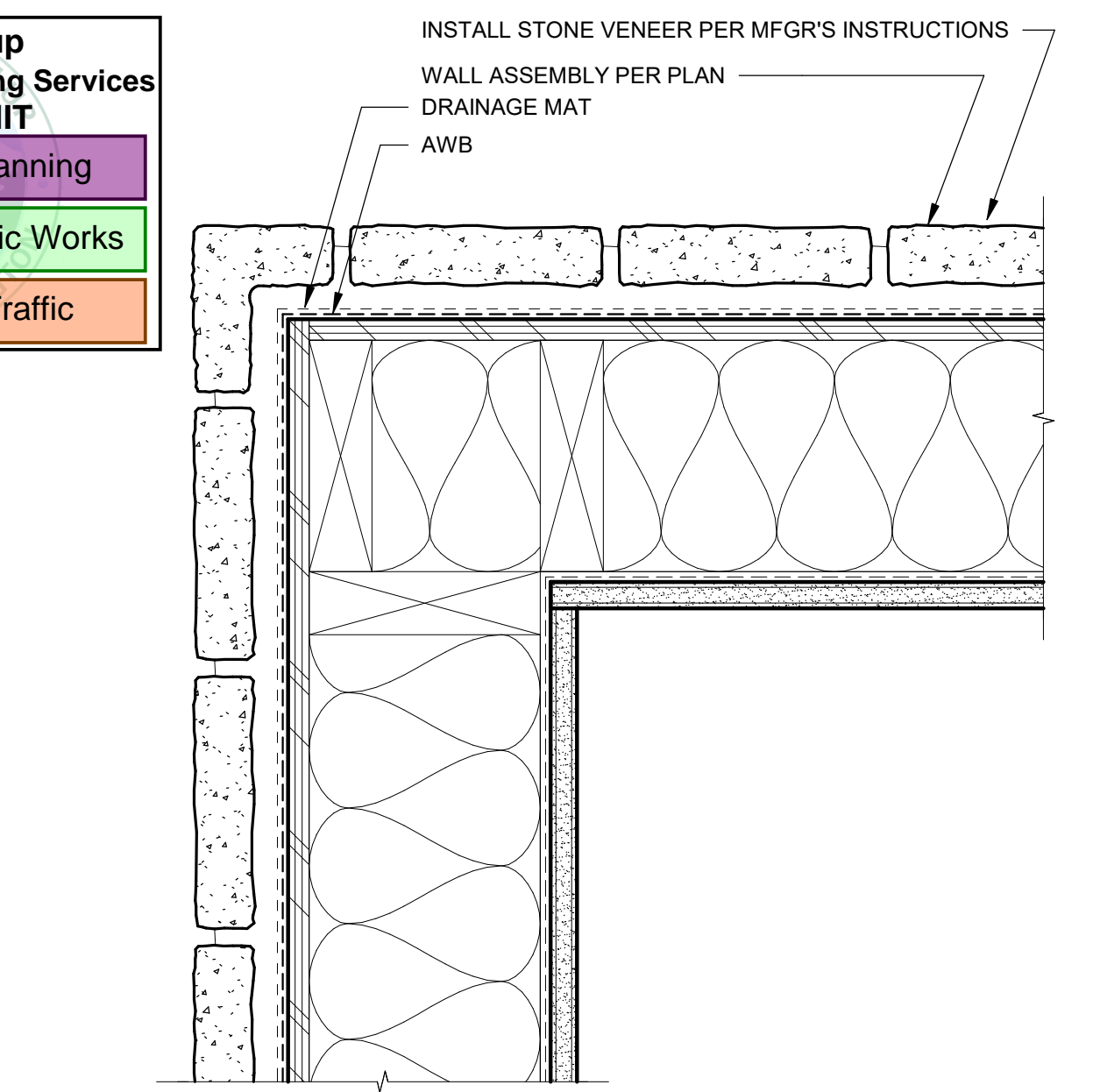
1 TYPICAL PIPE PENETRATION  
3" = 1'-0"



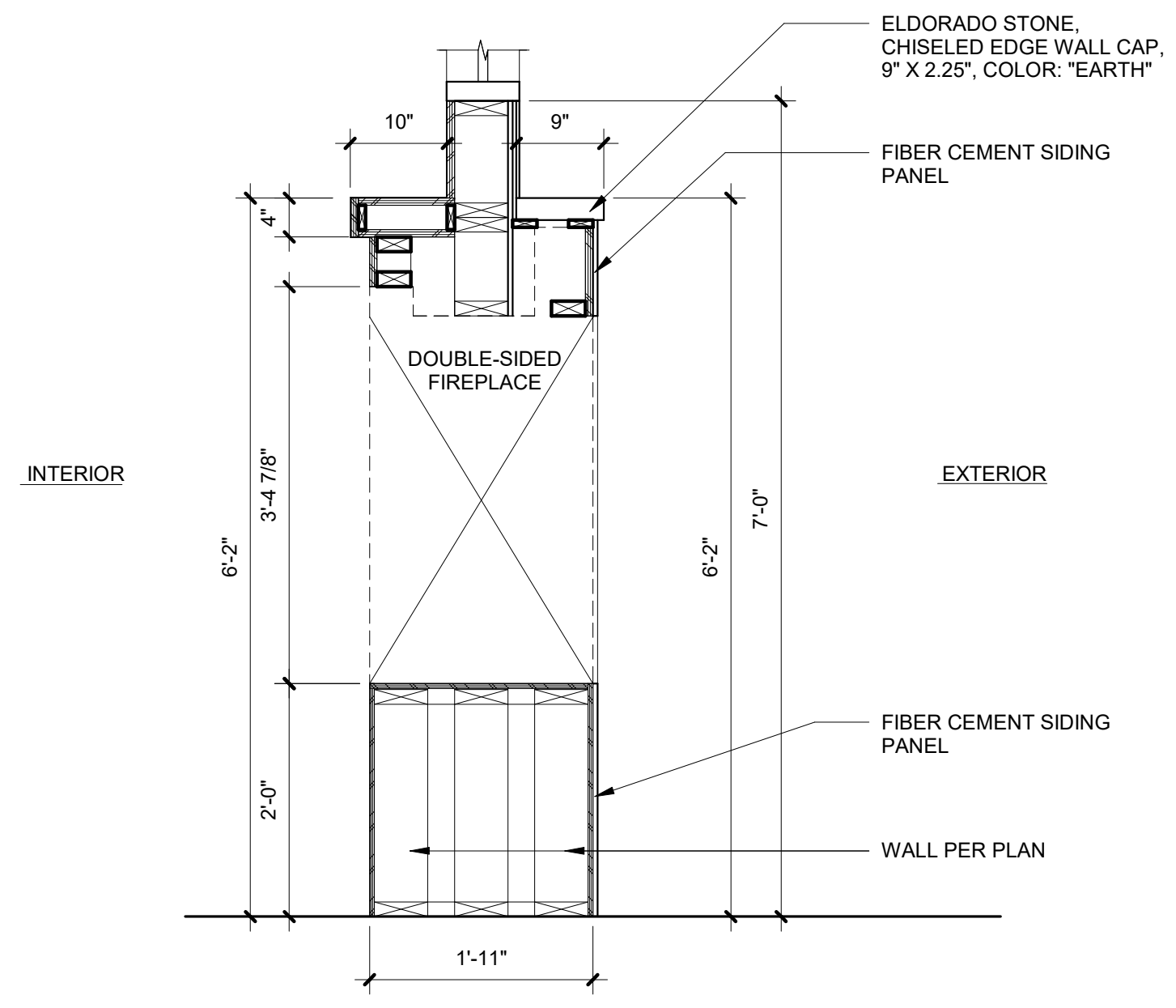
9 FOOTING AT COLUMN  
1 1/2" = 1'-0"



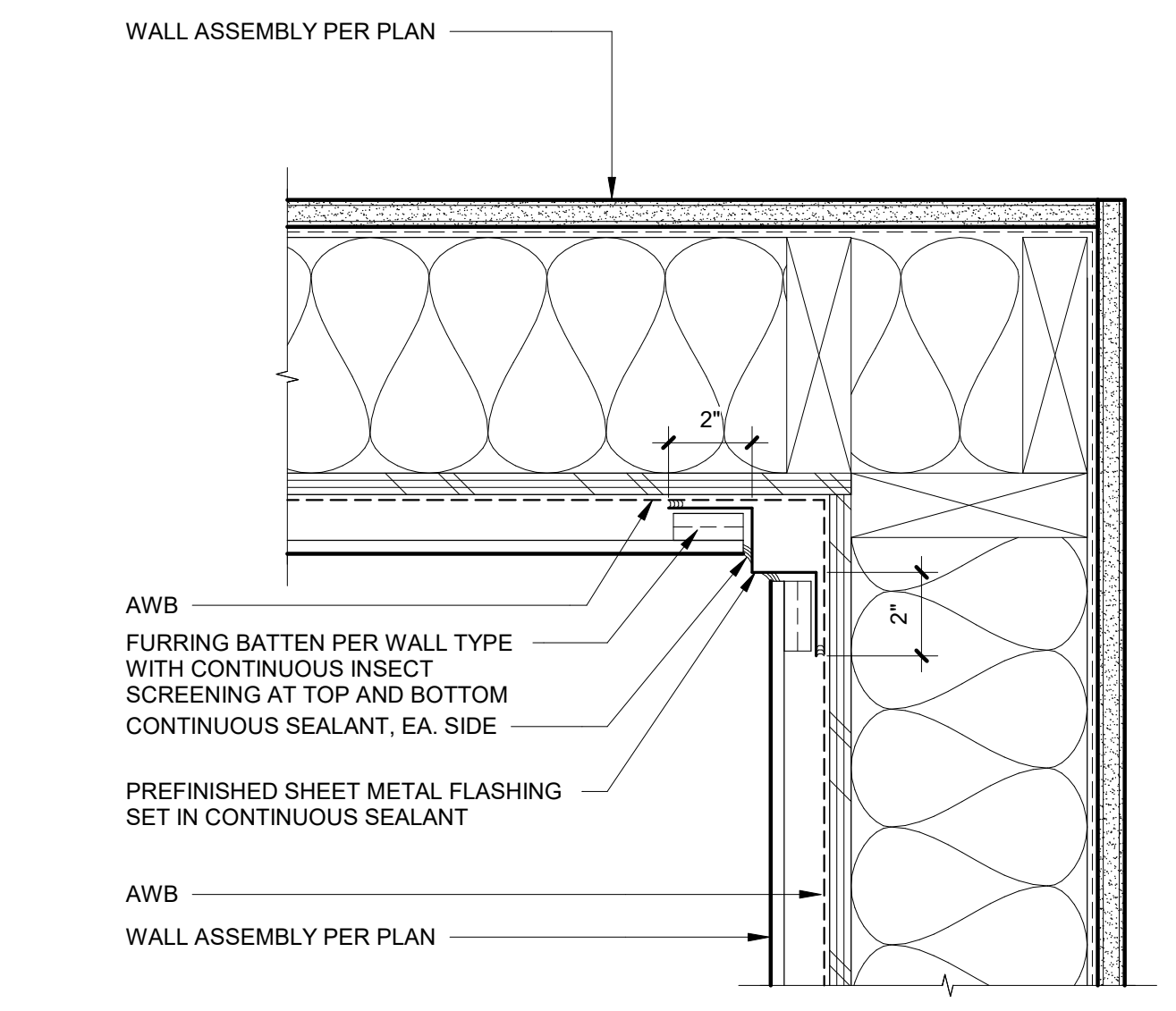
6 STONE TO FIBER CEMENT TRANSITION  
3" = 1'-0"



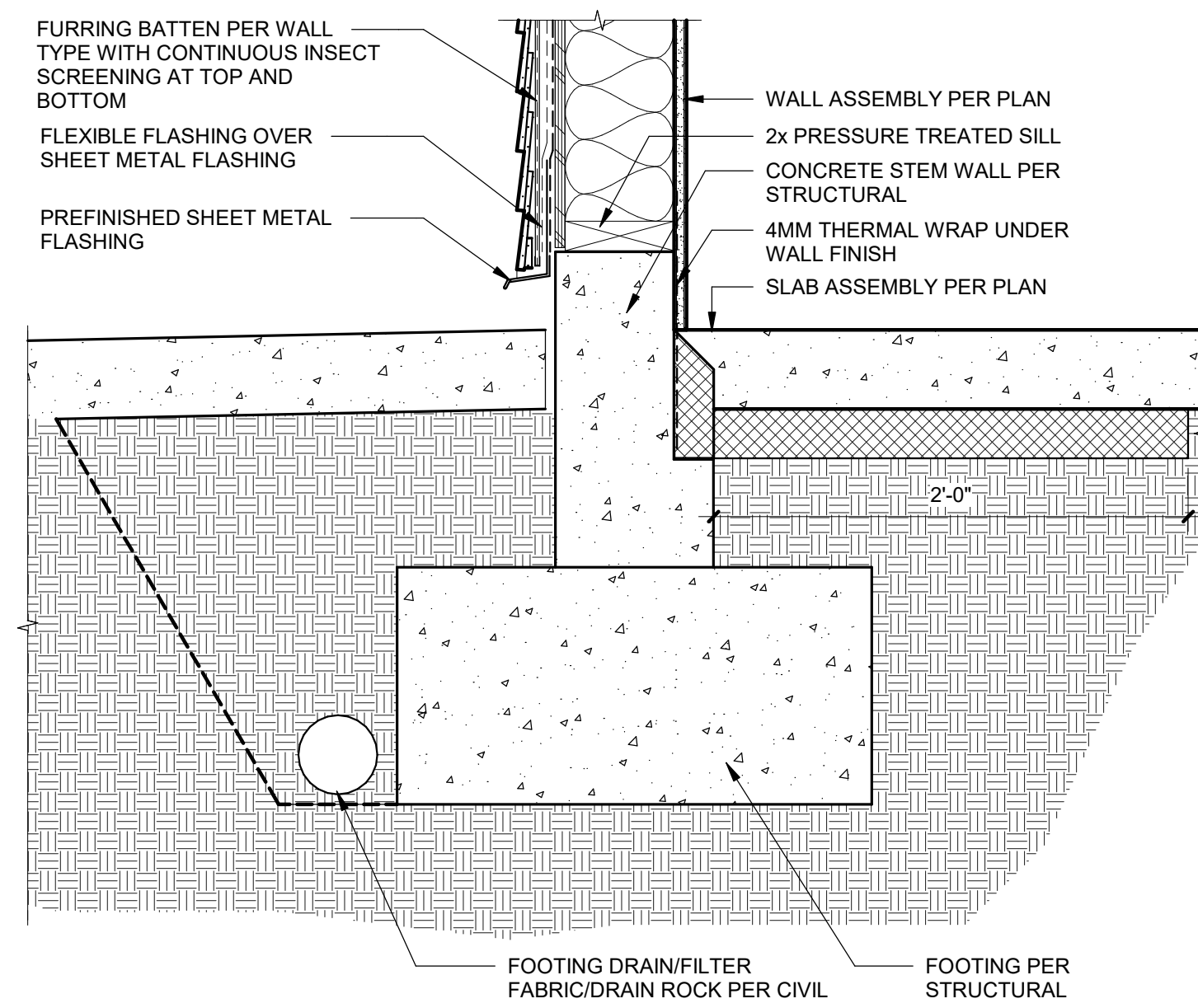
3 CORNER AT STONE VENEER  
3" = 1'-0"



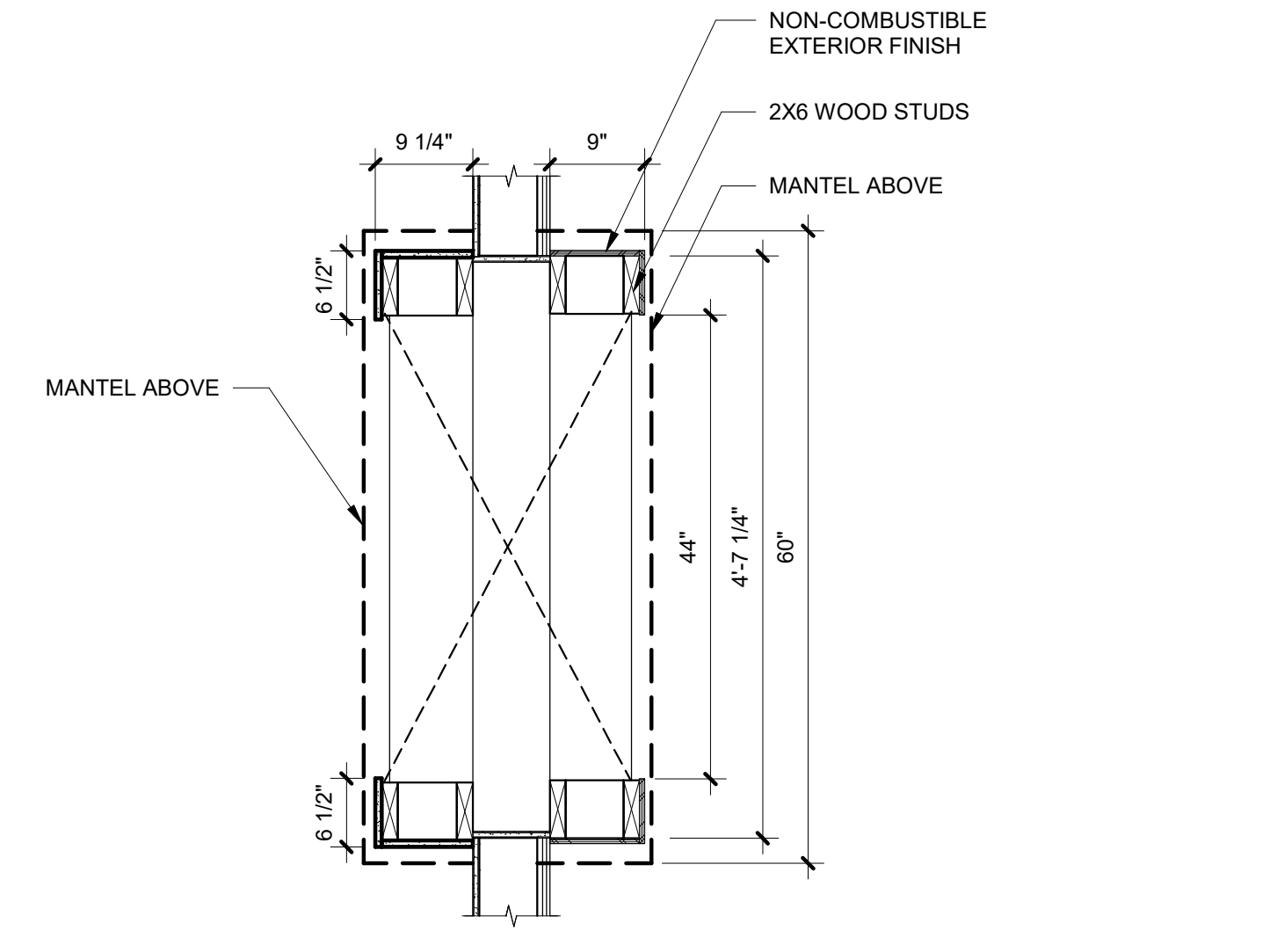
8 FIREPLACE FRAMING DETAIL - SECTION  
3/4" = 1'-0"



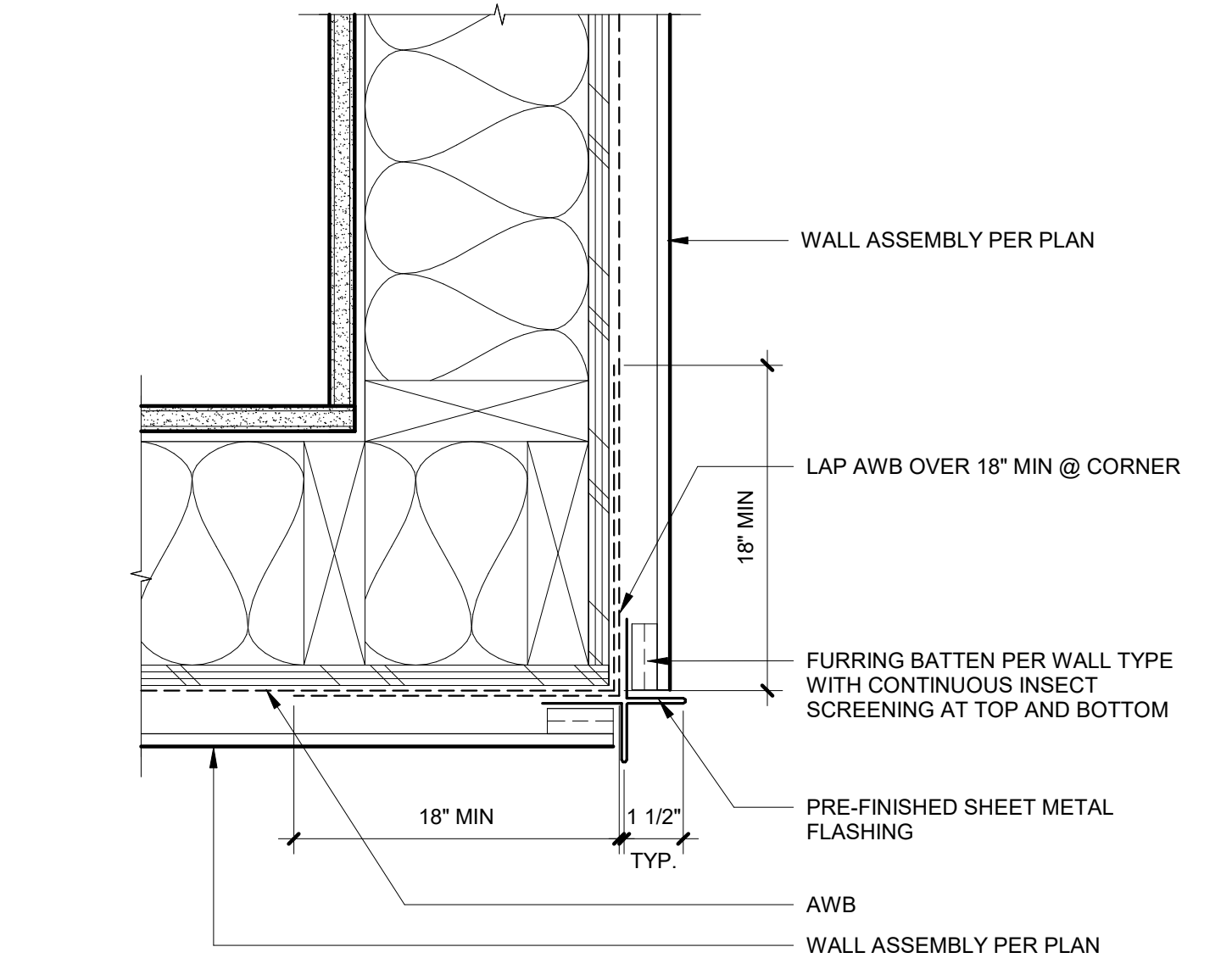
5 INSIDE CORNER AT FIBER CEMENT  
3" = 1'-0"



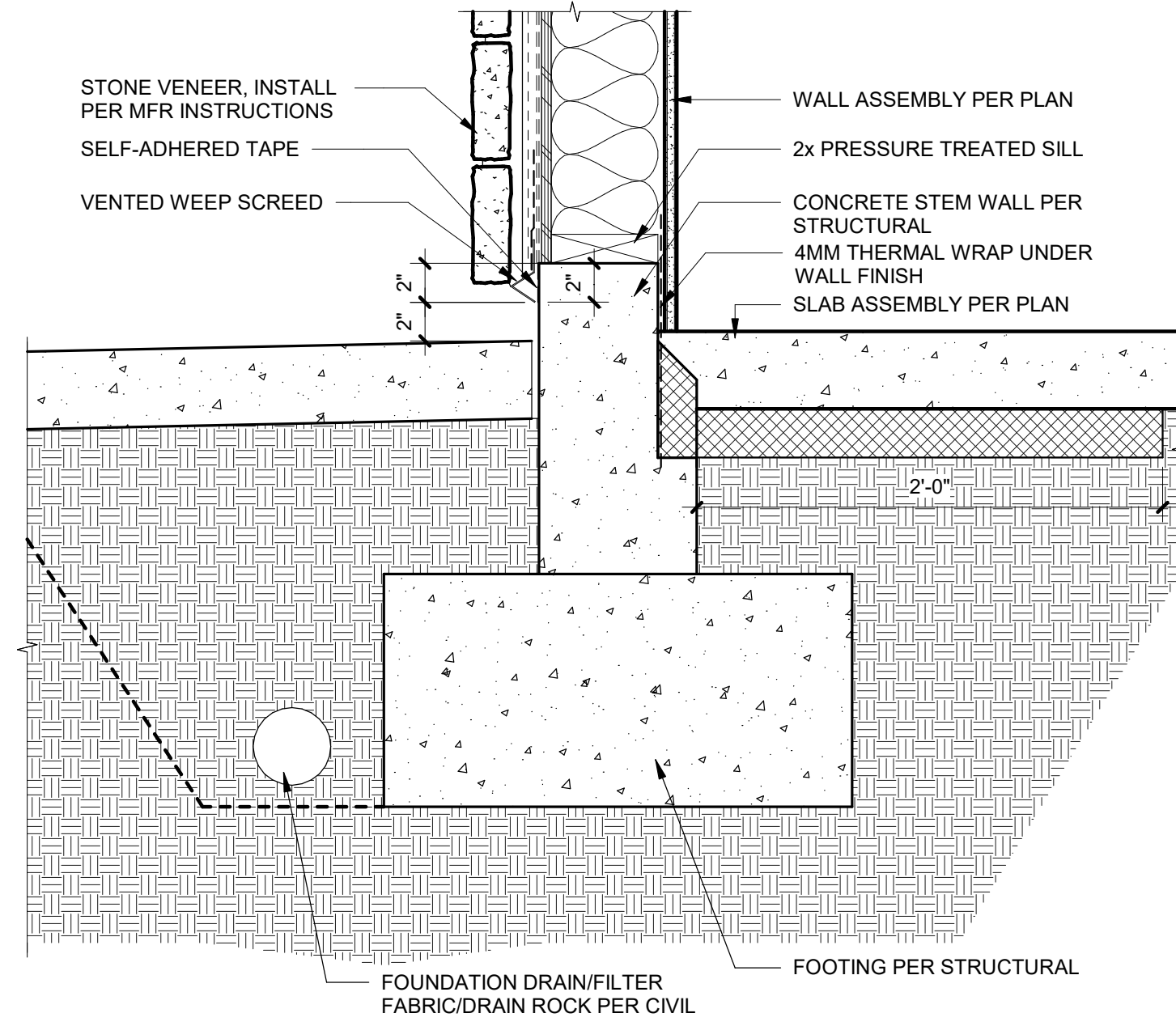
2 FOOTING AT LAP SIDING  
1 1/2" = 1'-0"



7 FIREPLACE FRAMING DETAIL - PLAN  
3/4" = 1'-0"



4 OUTSIDE CORNER AT FIBER CEMENT  
3" = 1'-0"



1 FOOTING AT STONE VENEER  
1 1/2" = 1'-0"

City of Puyallup  
Development & Permitting Services  
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

PROJECT:  
NEW CONSTRUCTION  
TACO TIME  
1115 EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS

NO.	DATE	DESCRIPTION

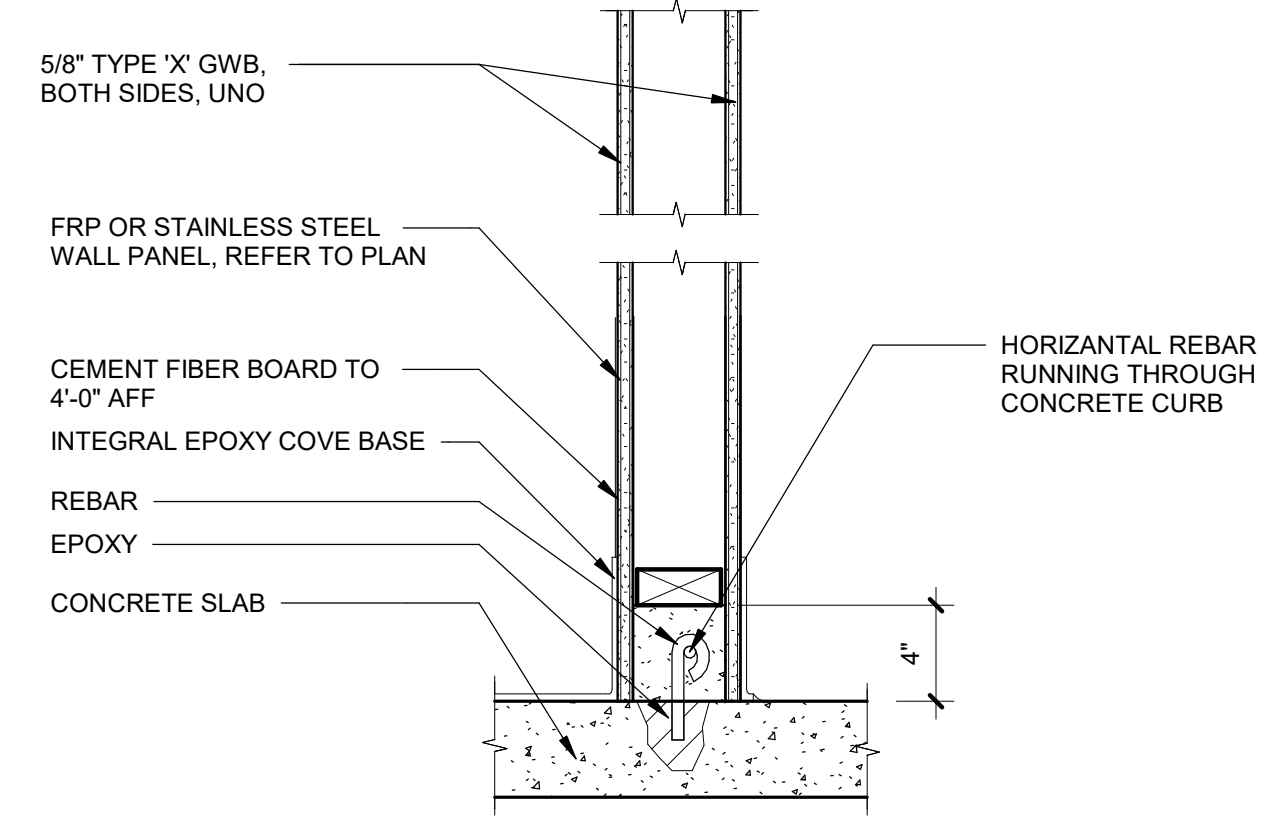
DATE: 7.1.2022  
BCSA NO: 19110.00.00  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: EXTERIOR WALL DETAILS

**City of Puyallup**  
Development & Permitting Services  
**ISSUED PERMIT**

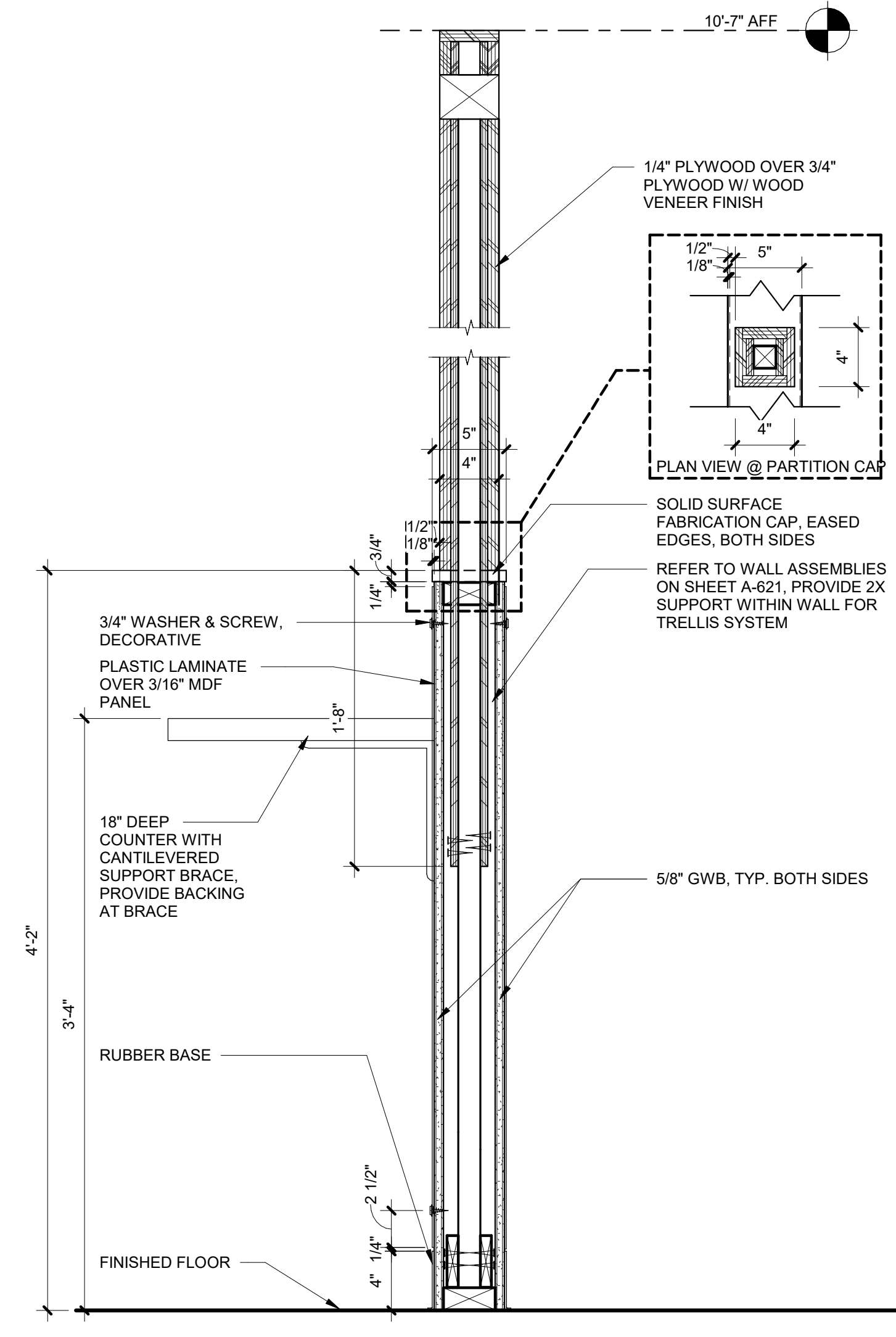
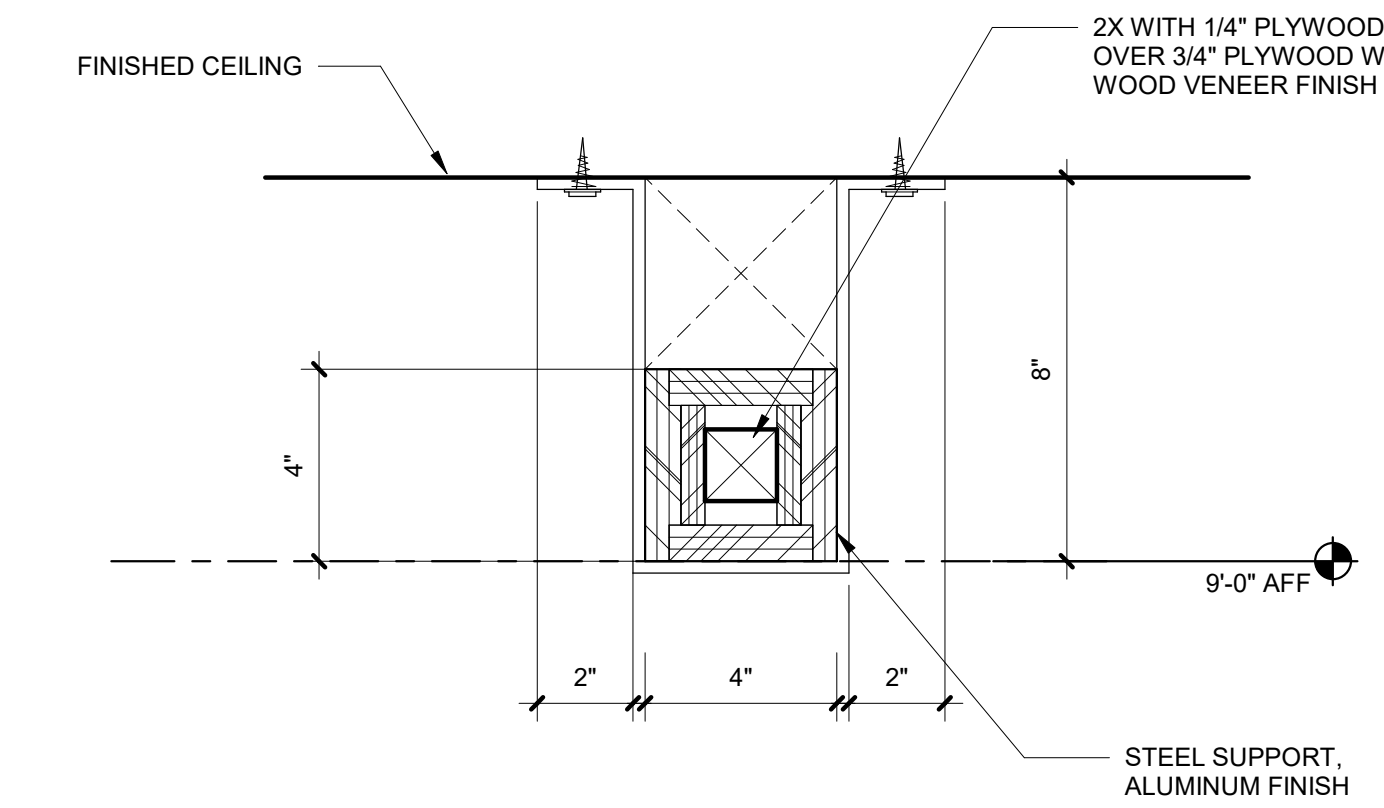
Building	Planning
Engineering	Public Works
Fire	Traffic

SEALED

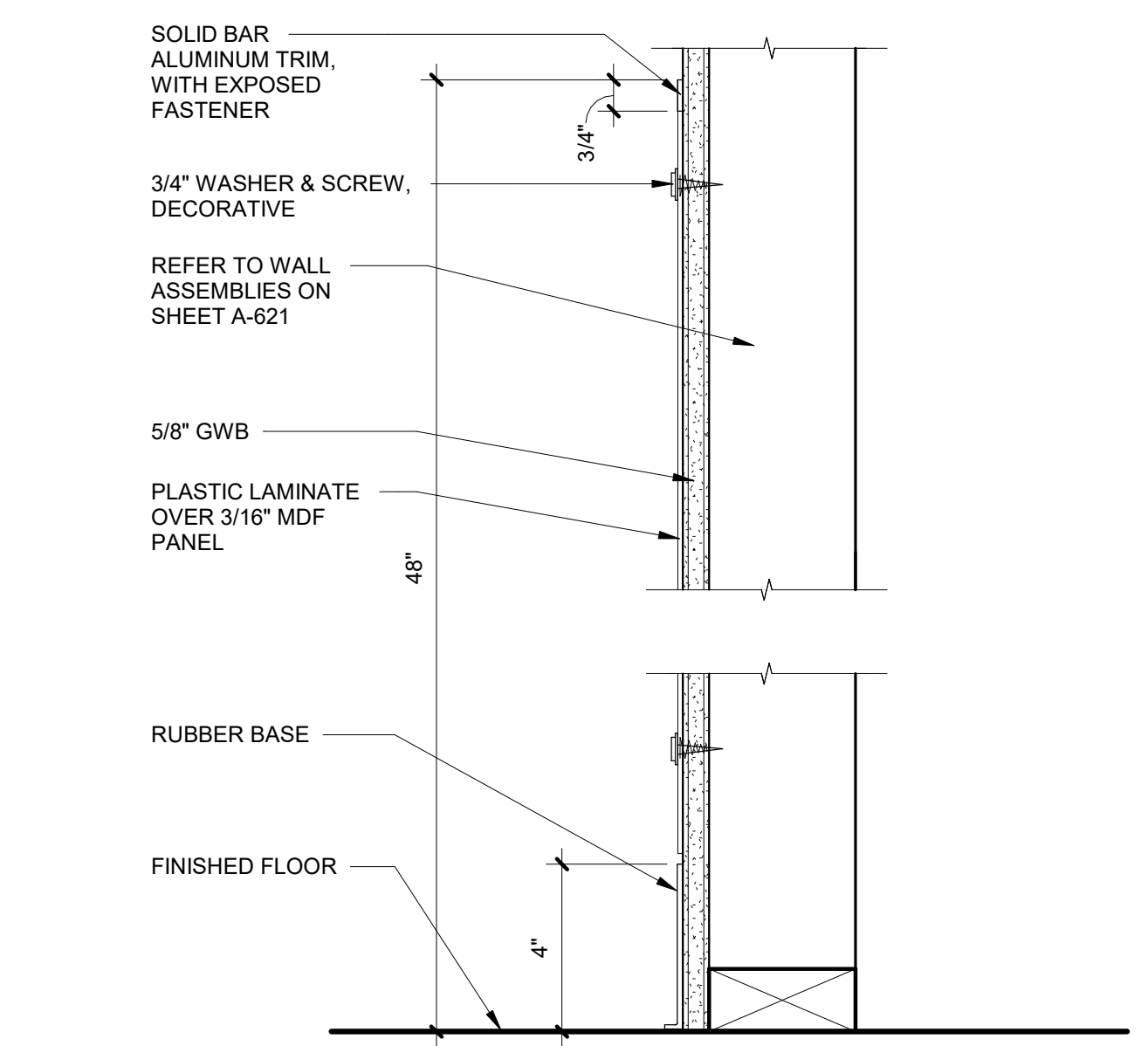
5664 REGISTERED ARCHITECT  
DOUGLAS P. OBERST  
STATE OF WASHINGTON



**12 CONCRETE CURB**  
1 1/2" = 1'-0"

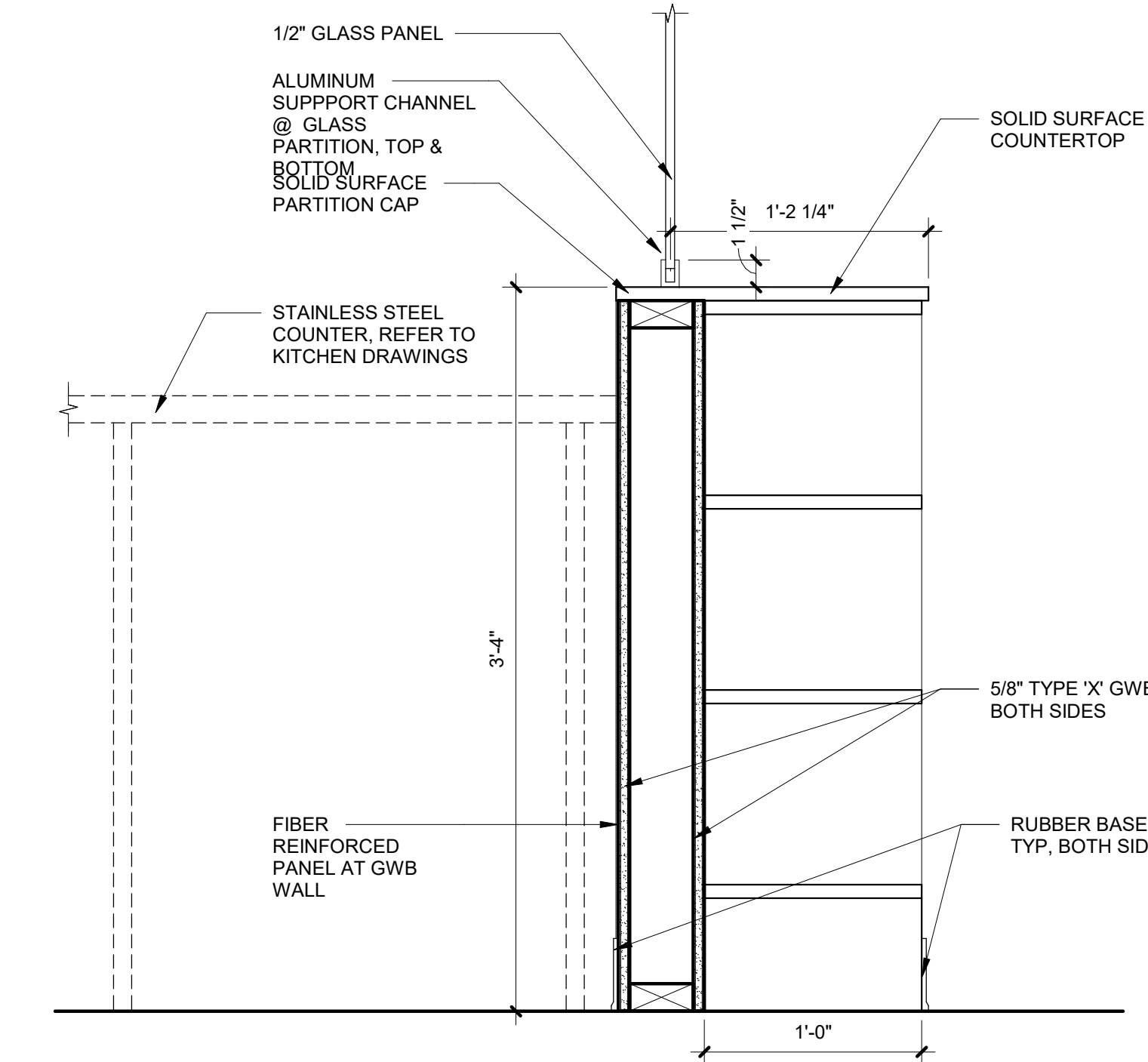


**8 TRELLIS PARTITION**  
1 1/2" = 1'-0"

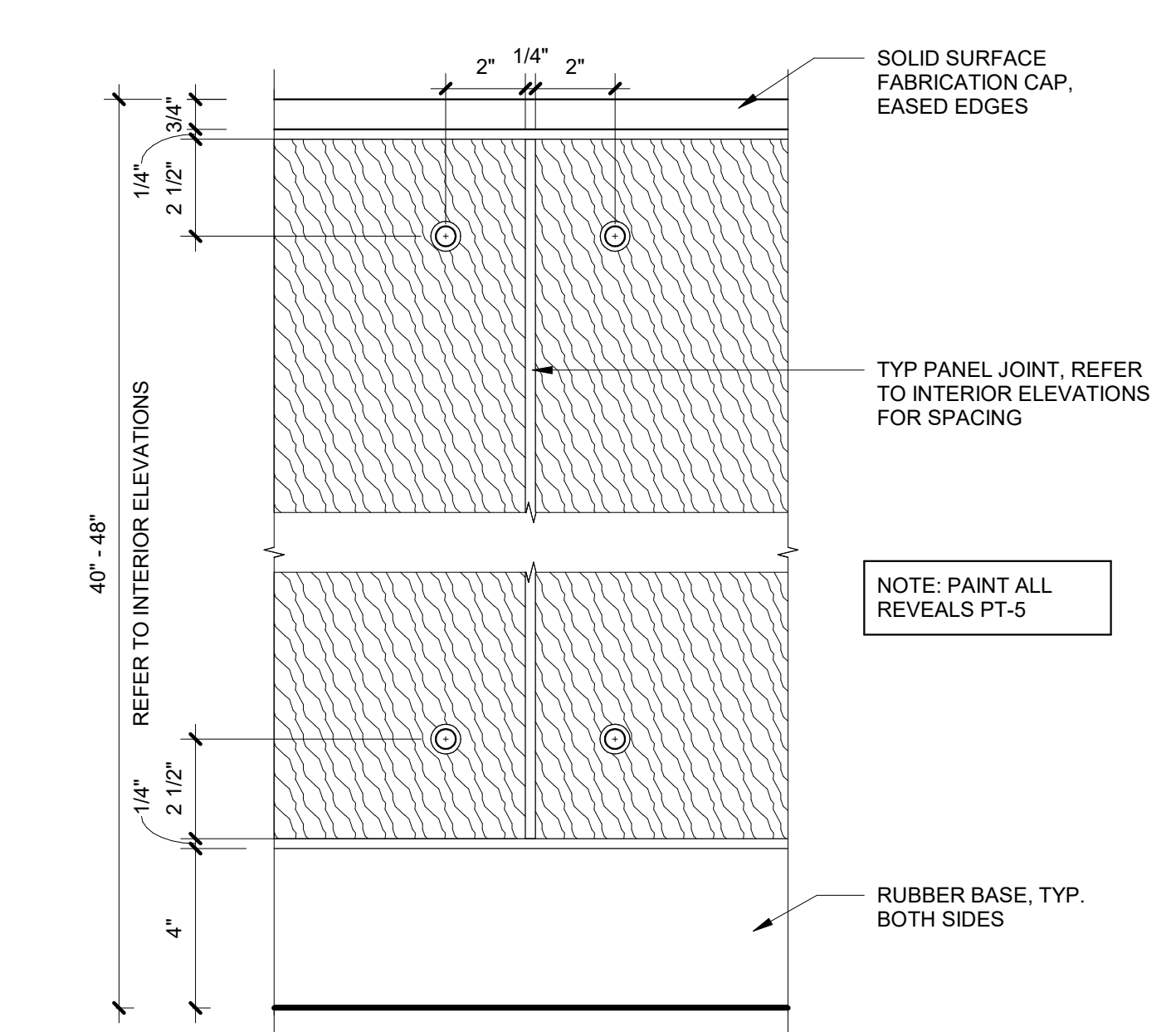


**7 WAINSCOT**  
3" = 1'-0"

**6 TRELLIS AT WALL**  
3" = 1'-0"

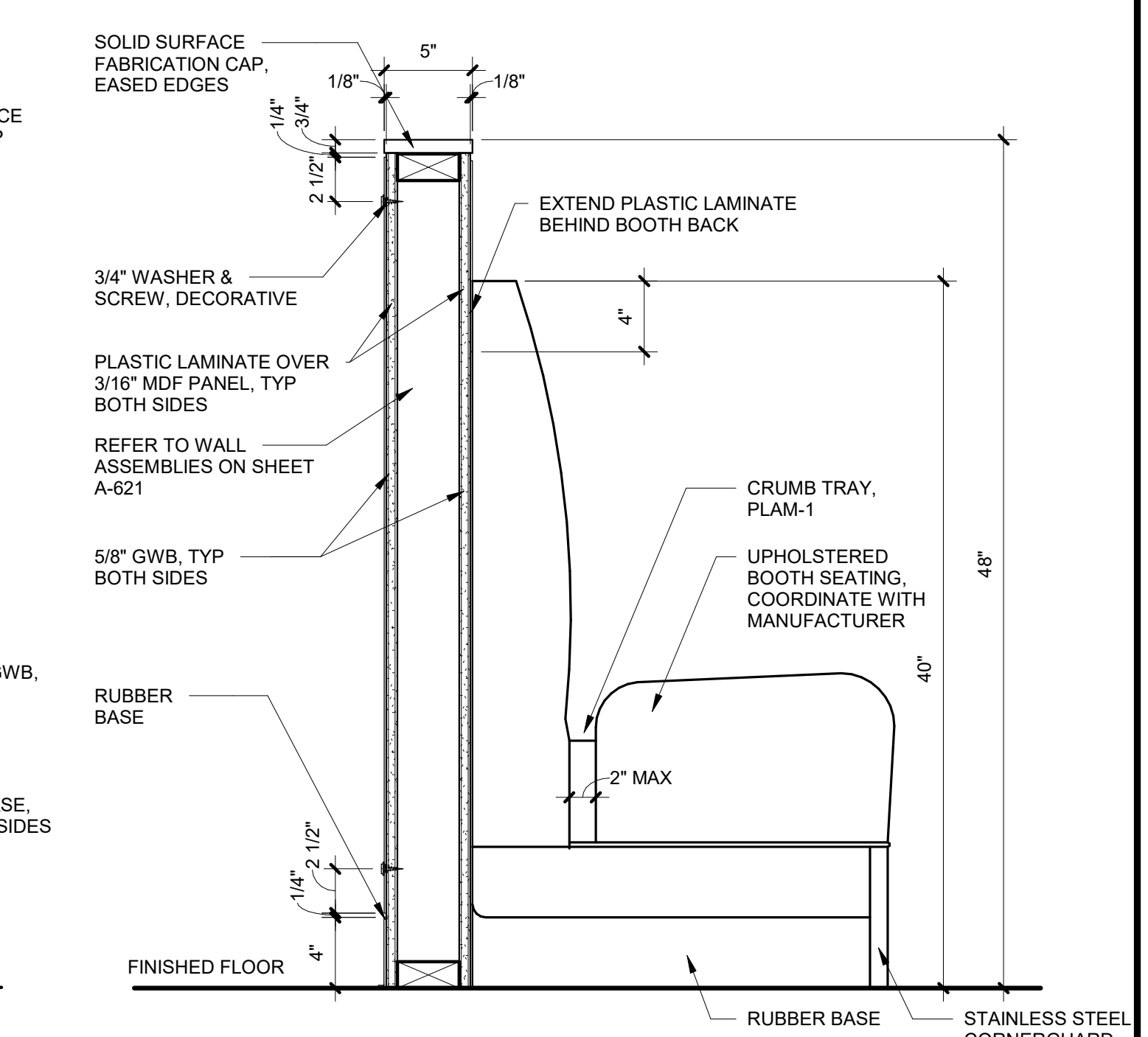


**5 PREP WINDOW / BAR COUNTER**  
1 1/2" = 1'-0"

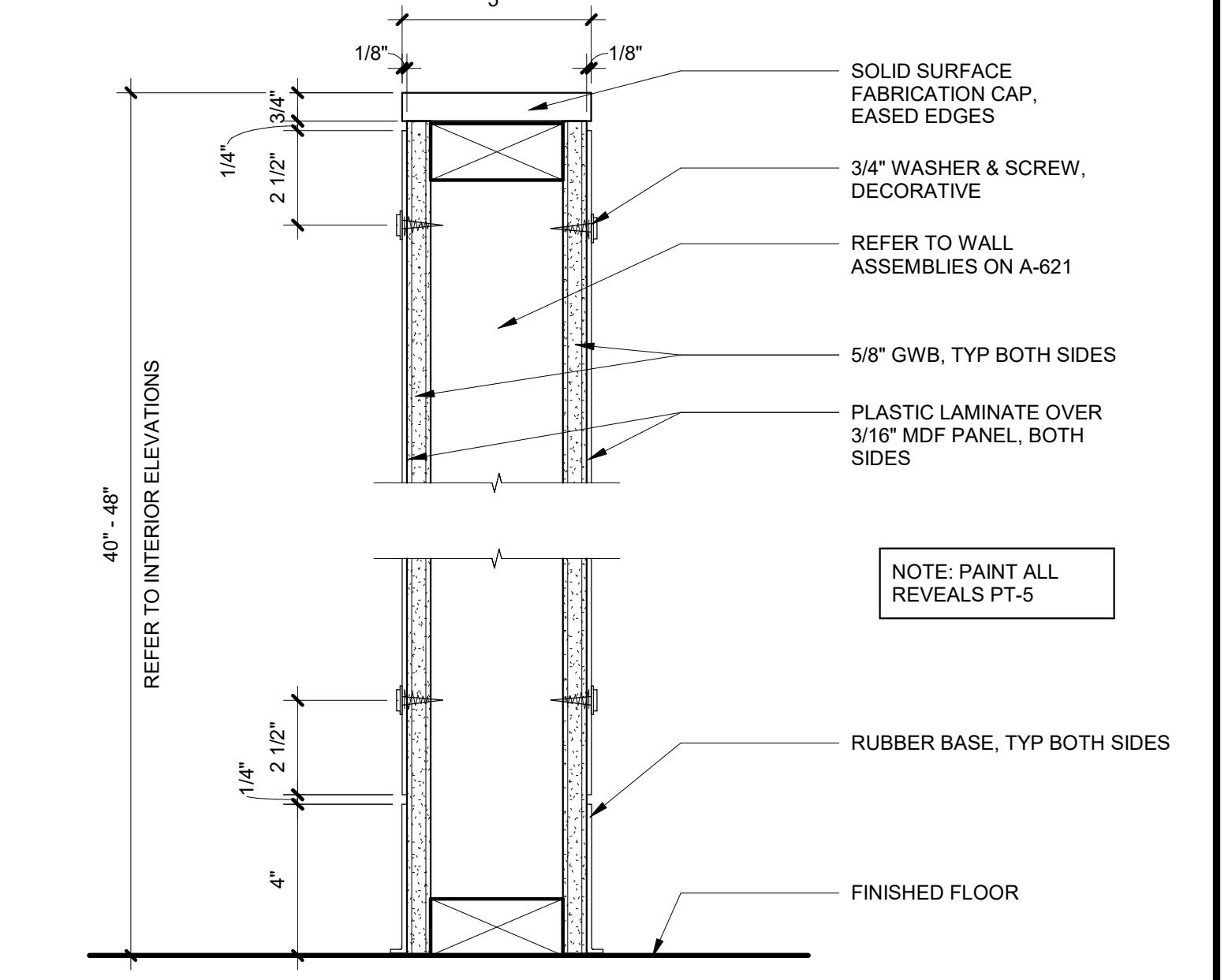


**4 HALF-HEIGHT PANEL**  
3" = 1'-0"

**3 HALF-HEIGHT PARTITION SUPPORT**  
3" = 1'-0"

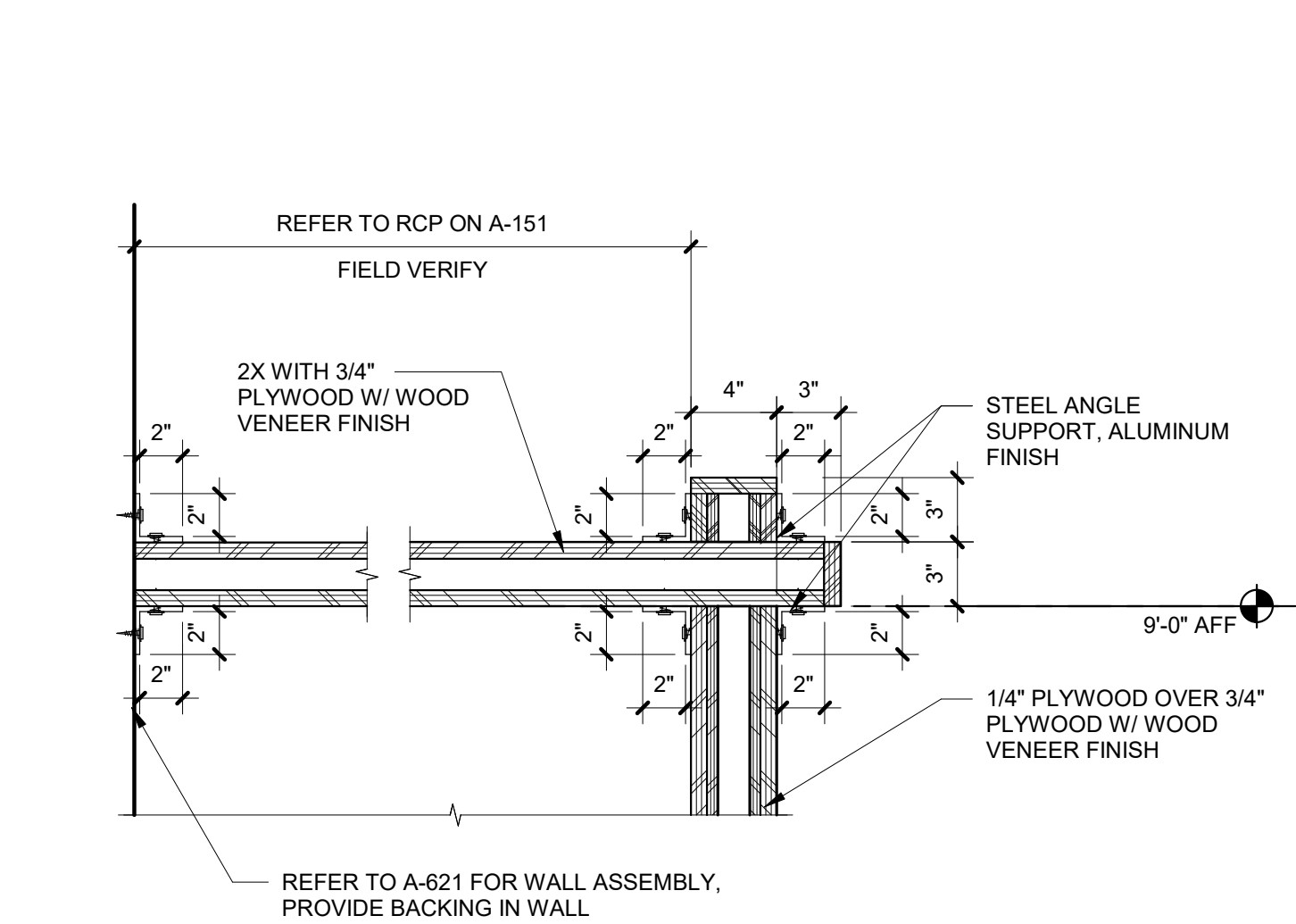


**2 HALF-HEIGHT PARTITION AT BOOTH**  
1 1/2" = 1'-0"



**1 HALF-HEIGHT PARTITION**  
3" = 1'-0"

**11 TRELLIS AT CEILING ATTACHMENT**  
3" = 1'-0"



**10 TRELLIS AT WALL ATTACHMENT**  
1 1/2" = 1'-0"

PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
1115 EAST MAIN STREET  
PUYALLUP, WA 98372

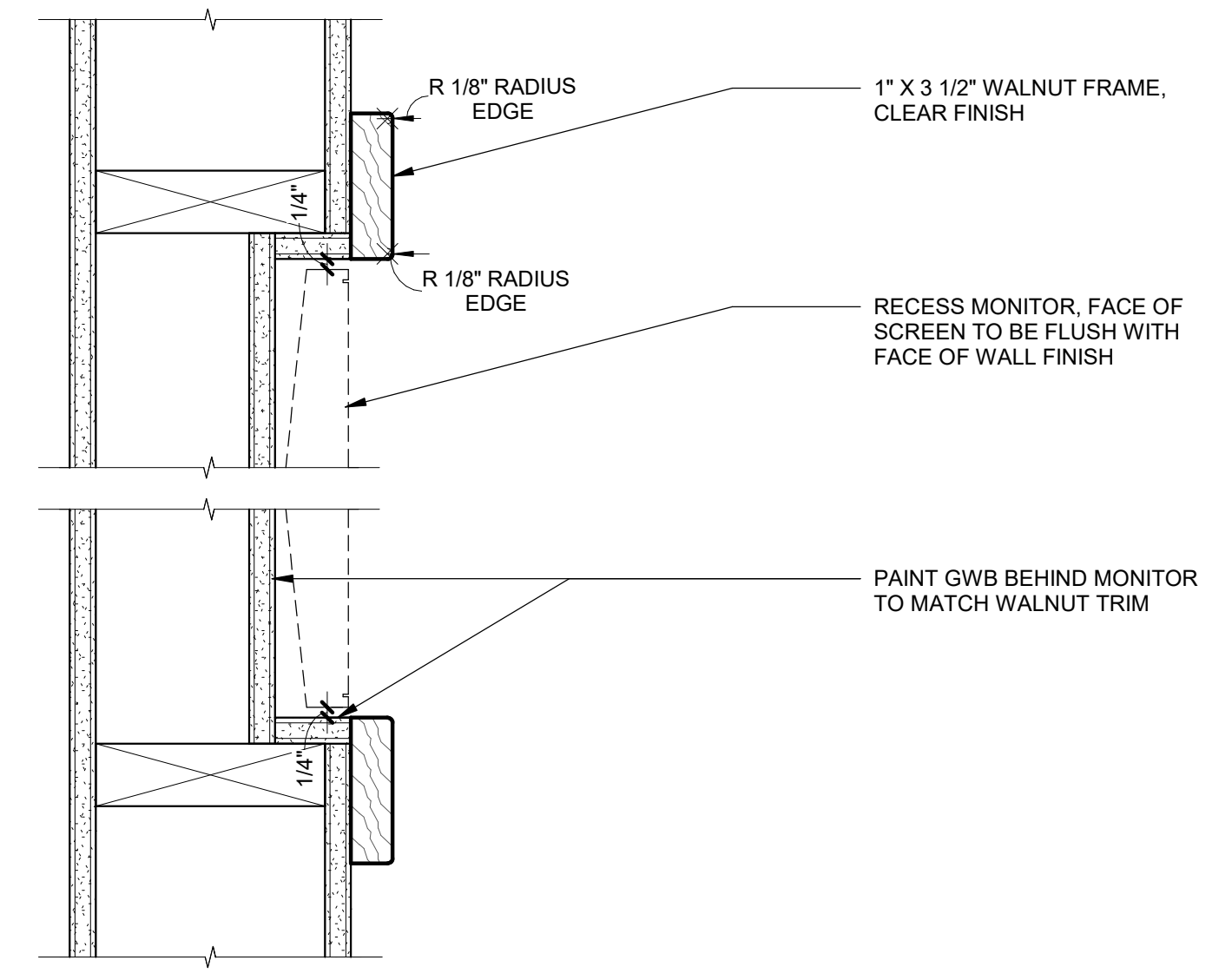
REVISIONS

NO.	DATE	DESCRIPTION

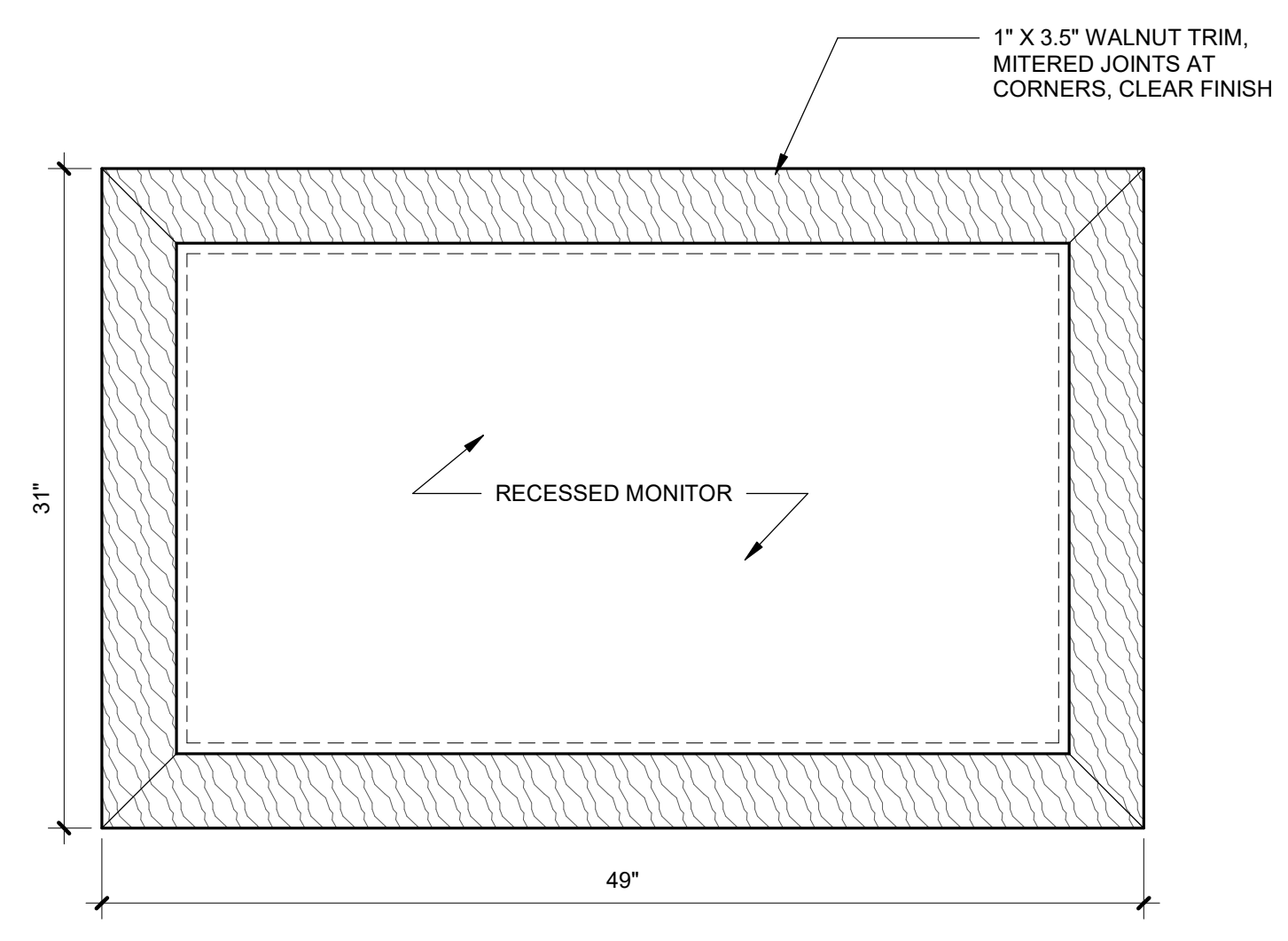
DATE: 7.1.2022  
BCSA NO: 19110.00.00  
DRAWN BY: Author  
REVIEWED BY:  
SHEET TITLE: INTERIOR DETAILS

**City of Puyallup  
Development & Permitting Services  
ISSUED PERMIT**

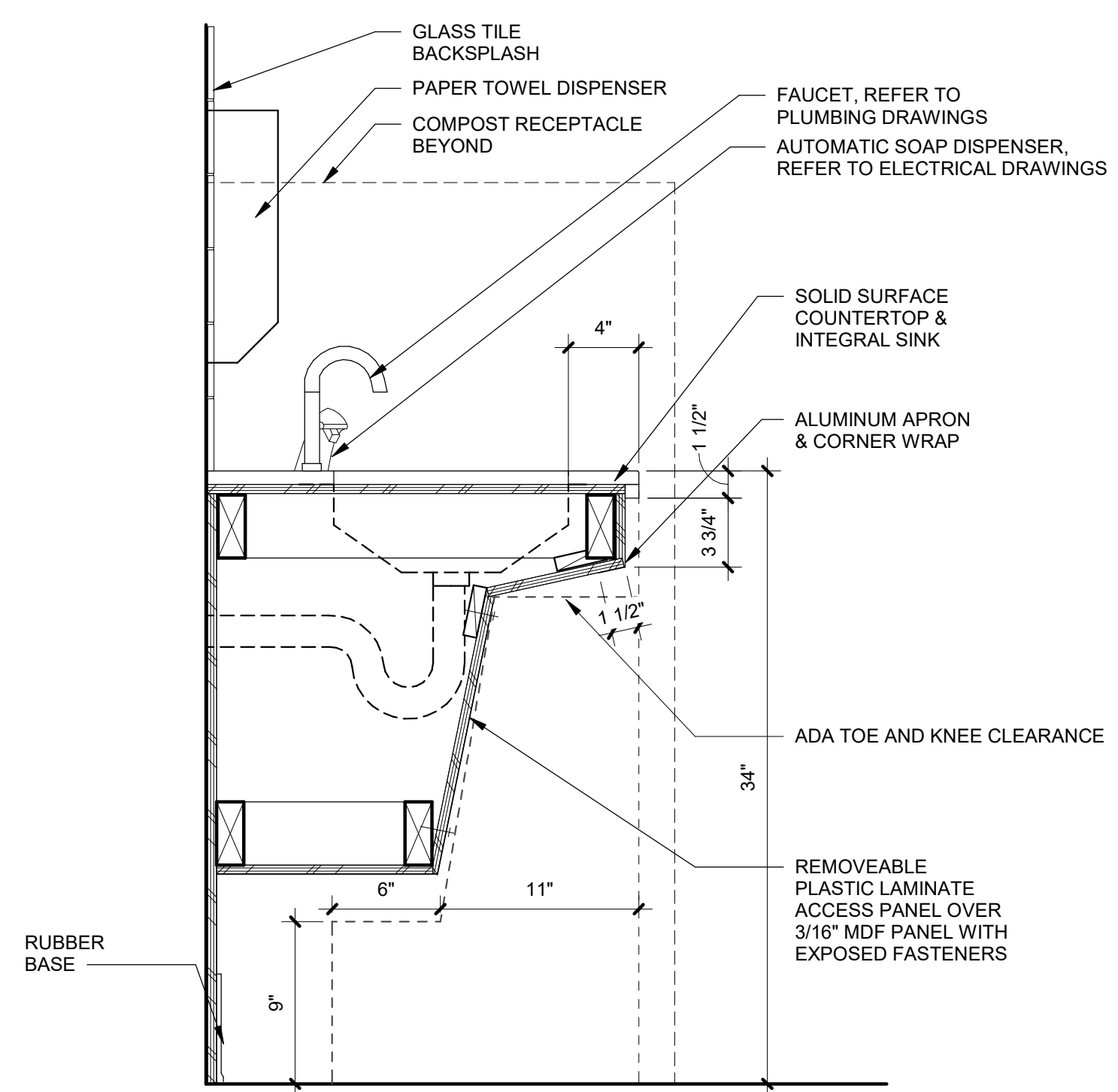
Building	Planning
Engineering	Public Works
Fire	Traffic



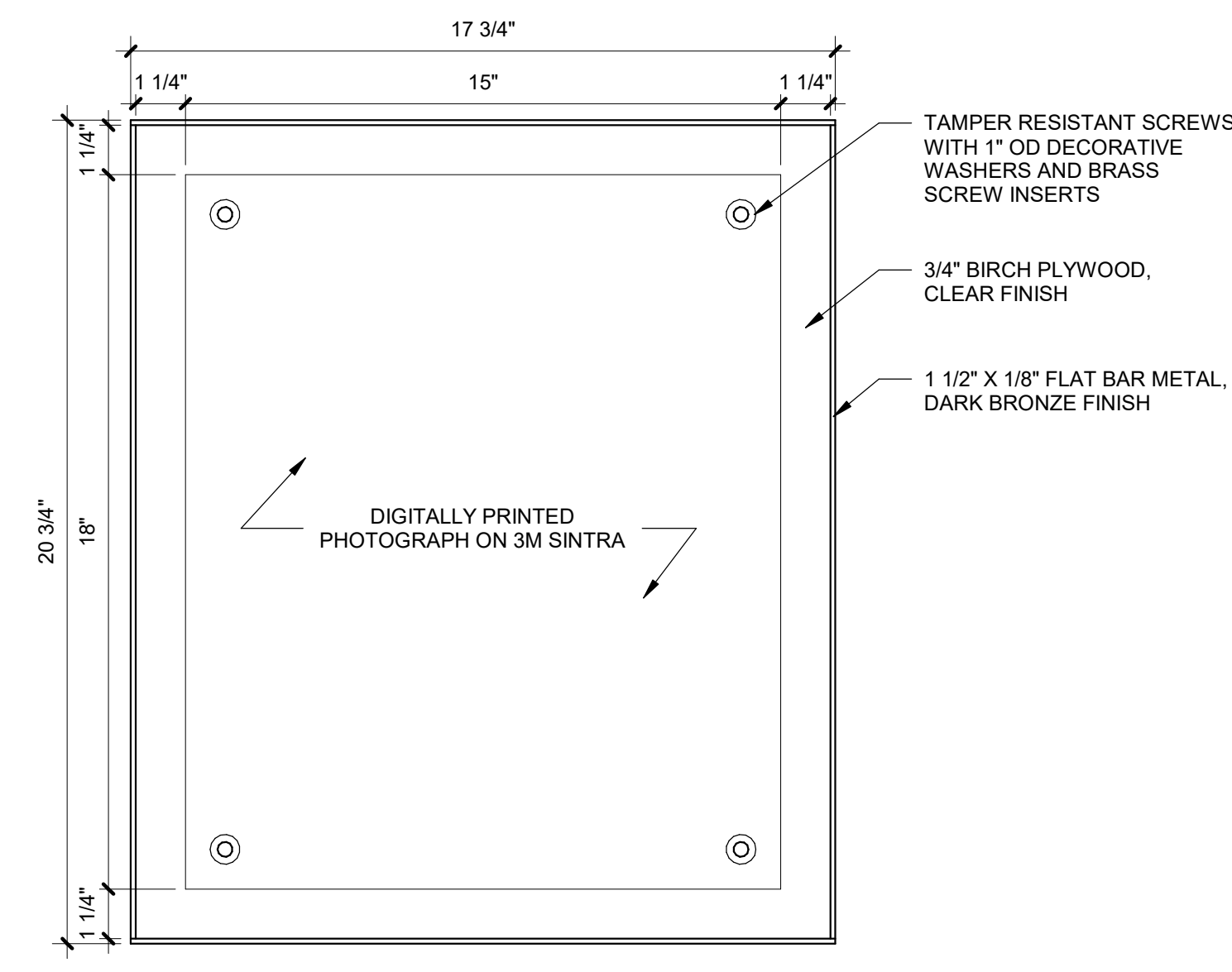
**6 RECESSED MONITOR FRAME SECTION**  
3" = 1'-0"



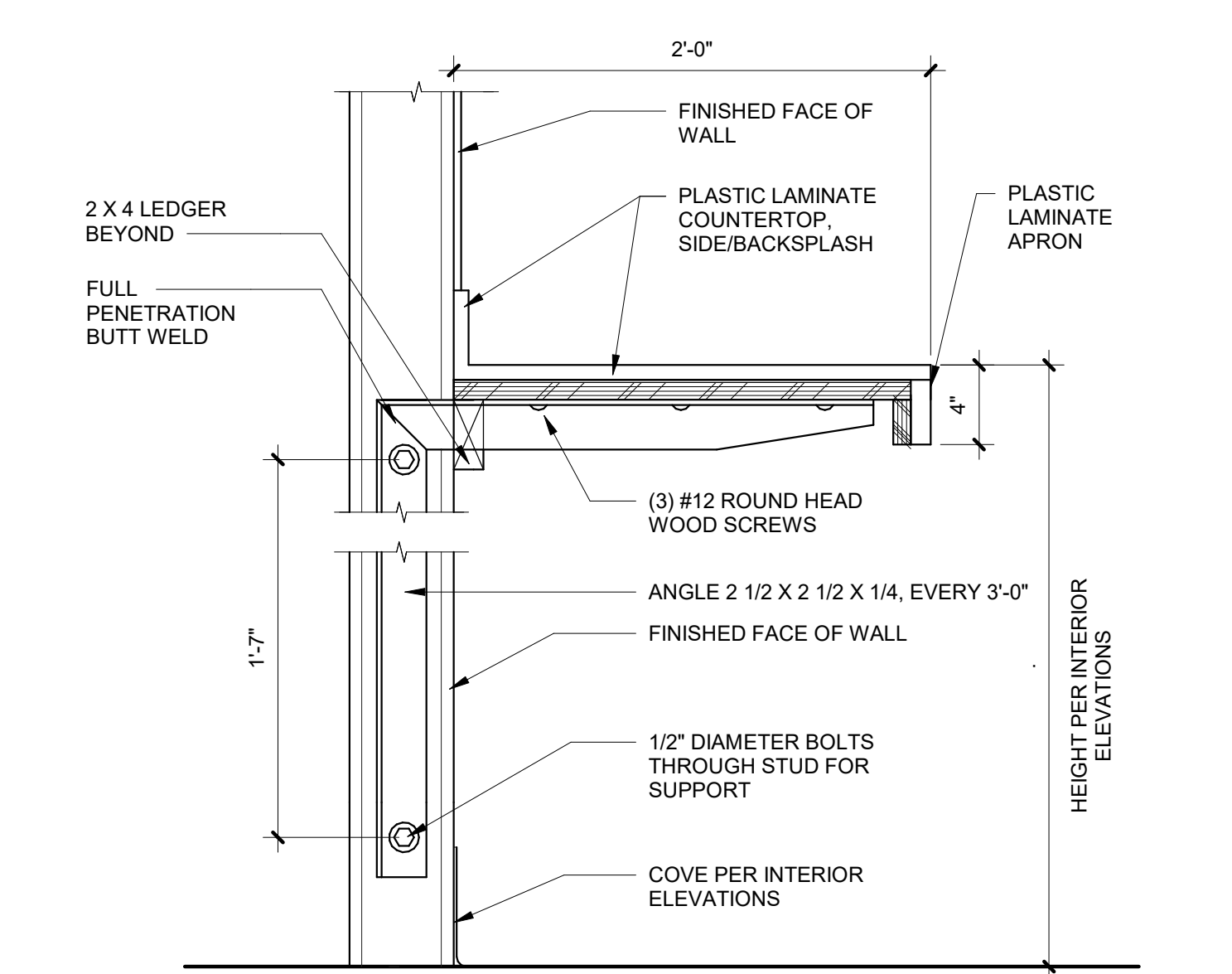
**5 RECESSED MONITOR FRAME ELEVATION**  
1 1/2" = 1'-0"



**2 HAND WASH STATION**  
1 1/2" = 1'-0"



**4 FRAME DETAIL**  
3" = 1'-0"



**1 CONCEALED BRACKET AT COUNTER**  
1 1/2" = 1'-0"

PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
1115 EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS

NO.	DESCRIPTION

DATE: 7.1.2022  
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**A-593**  
PERMIT SET

IF SHEET MEASURES LESS THAN 24"X36", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

City of Puyallup  
Development & Permitting Services  
**ISSUED PERMIT**

Building	Planning
Engineering	Public Works
Fire	Traffic

ROOM NUMBER	ROOM NAME	BASE		FLOOR		NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING		COMMENTS	ROOM NUMBER
		MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH		
101	QUEUING	RB-1	FF	CONC-1	SEAL	GWB	PT/WC	-	-	-	-	GWB	PT/WC	-	-		101
102	POS	RB-1	FF	CONC-1	SEAL	GWB	PT	-	-	GWB	PT	-	-	GWB	PT		102
103	DINING	RB-1	FF	CONC-1	LVT-1	GWB	PT/WC	-	-	GWB	PT/WC	GWB	PT/WC	ACT	FF		103
104	DINING	RB-1	FF	CONC-1	SEAL	-	-	-	-	GWB	PT/WC	-	-	-	-		104
105	DINING	RB-1	FF	CONC-1	SEAL	-	-	GWB	PT/WC	GWB	PT/WC	-	-	-	-		105
106	SODA STATION	RB-1	FF	CONC-1	LVT-1	GWB	PT/T	-	-	-	-	-	-	-	-		106
107	RESTROOM	T-1	FF	CONC-1	SEAL	GWB	PT/WC/T	GWB	PT/WC/T	GWB	PT/WC/T	GWB	PT/WC/T	ACT	FF		107
107	HALL	RB-1	FF	CONC-1	LVT-1	GWB	PT	GWB	PT	-	-	GWB	PT	GWB	PT		107
107A	MEN/WOMEN ADA RR	T-1	FF	CONC-1	SEAL	GWB	PT/WC/T	GWB	PT/WC/T	GWB	PT/WC/T	GWB	PT/WC/T	ACT	FF		107A
107B	MEN/WOMEN RR																107B
107C	MEN/WOMEN RR																107C
108	FOOD PREP	RB-1	FF	CONC-1	EP-1	GWB	T	GWB	T	GWB	T	-	-	ACT	FF		108
109	KITCHEN	RB-1	FF	CONC-1	EP-1	GWB	SS	-	-	GWB	PT	-	-	ACT	FF		109
110	DRIVE-THRU SERVICE	RB-1	FF	CONC-1	EP-1	GWB	PT	-	-	-	-	GWB	PT	ACT	FF		110
111	PREP/FREEZER			CONC-1	EP-1	GWB	PT	GWB	PT	GWB	PT	GWB	PT	-	-		111
112	KITCHEN	RB-1	FF	CONC-1	EP-1	-	-	GWB	PT	GWB	PT	GWB	PT	ACT	FF		112
113	DRY STORAGE	RB-1	FF	CONC-1	EP-1	GWB	PT	GWB	PT	-	-	GWB	PT	ACT	FF		113
114	OFFICE	RB-1	FF	CONC-1	EP-1	GWB	PT	GWB	PT	GWB	PT	GWB	PT	GWB	PT		114
120	STORAGE	RB-1	FF	CONC-1	SEAL	GWB	PT	GWB	PT	GWB	PT	GWB	PT	-	-		120

GENERAL NOTES

- ALL RUBBER BASE TO BE 4" HIGH, UNLESS NOTED OTHERWISE.
- REFER TO REFLECTED CEILING PLAN FOR EXTENTS AND VARYING TYPES OF ACT.
- ALL INTERIOR HOLLOW METAL DOORS AND FRAME TO BE PAINTED PT-3.
- ALL INTERIOR REVEALS AT HALF-HEIGHT PARTITIONS TO BE PAINTED PT-5, SHERWIN WILLIAMS #SW7027 "WELL-BRED BROWN", UNLESS NOTED OTHERWISE.
- ALL CEILING EQUIPMENT, INCLUDING BUT NOT LIMITED TO SPEAKERS, CAMERAS, ETC., SHALL BE BLACK, UNLESS NOTED OTHERWISE.
- ALL EXTERIOR FINISH SPECIFICATIONS ARE NOTED ON SHEET A-201.

ROOM FINISH COMMENTS

- INTERIOR HOLLOW METAL DOORS AND FRAMES TO BE PAINTED PT-3.
- REFER TO INTERIOR ELEVATIONS FOR PAINT LOCATIONS AND SPECIFICATION TYPE.
- PROVIDE COVE TRANSITION AT WALL TILE TO CONCRETE FLOOR. SCHLUTER DILEX-AHKA, COLOR: #HB "LIGHT BEIGE", PROVIDE SEALANT BETWEEN PROFILE AND FINISHED CONCRETE PER MANUFACTURER'S INSTRUCTION.
- BID ALTERNATIVE TILE FLOORING (T-7).
- REFER TO DETAIL 1/A-601 FOR TYPICAL RESTROOM WALL TILE PATTERN.
- REFINISH ANY WALLS WITH PLASTER FINISH WITH 5/8" TYPE 'X' GWB OVER EXISTING PLASTER AND PAINT A LEVEL 5 PAINT FINISH.

COLOR AND MATERIAL SPECIFICATIONS

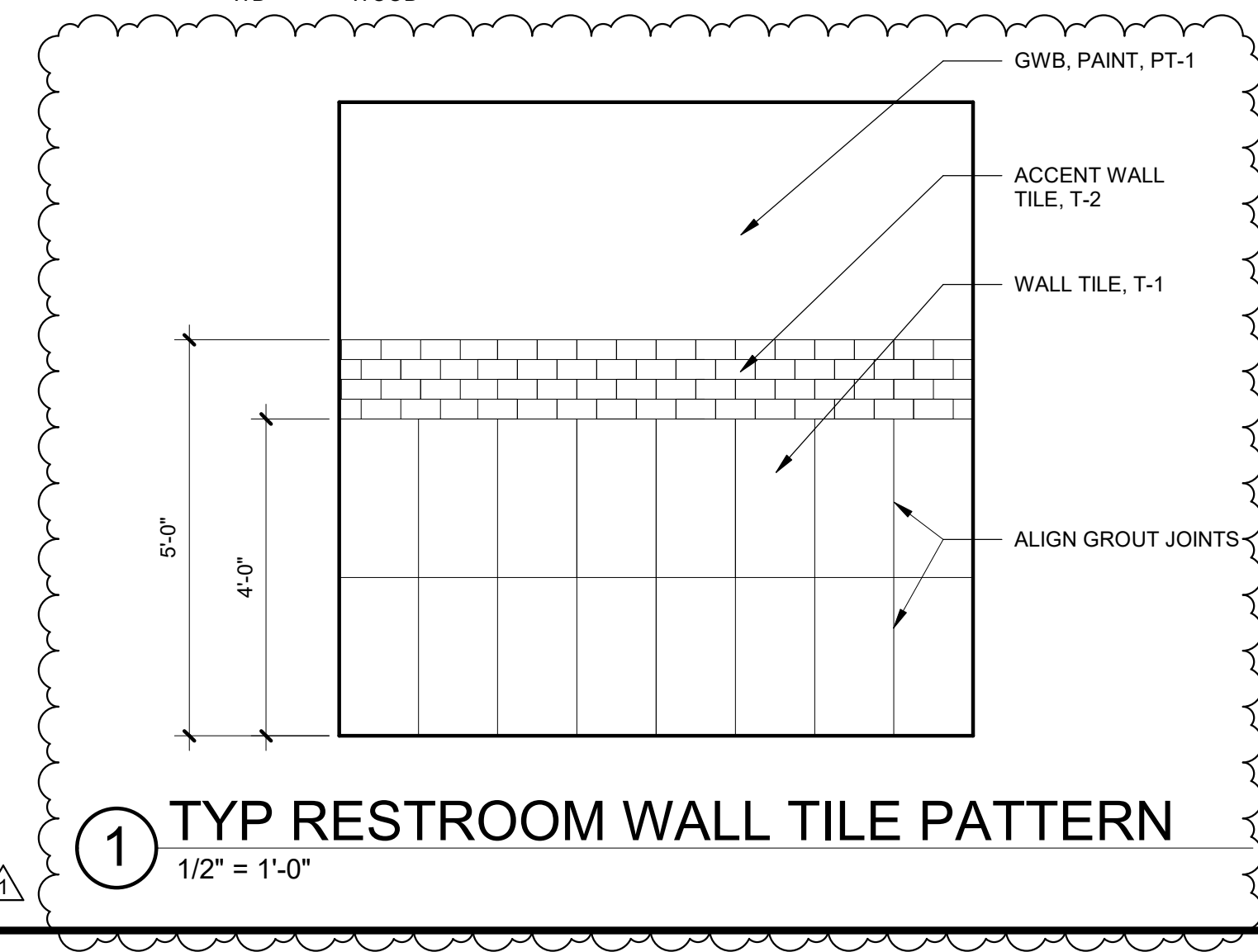
ACP	TECTUM - DIRECT ATTACHED CEILING PANEL, 31-3/4" X72" (CUT LENGTHWISE) - (2) PER BAY. 1-1/2" THICK, .95 NRC, LONG EDGES BEVELED, FINISH: PAINTED PT-3
ACT-1	ACOUSTIC CEILING TILE: USG MARS CLIMAPLUS, #88185 COLOR: #050 "FLAT WHITE", 2' X 4' X 3/4" SUSPENSION SYSTEM: USG FINELINE DXF, 9/16" TEE SYSTEM, FINISH: #050 "FLAT WHITE"
ACT-2	ACOUSTIC CEILING TILE: ROCKFON PLANOSTILE METAL CEILING PANEL, LAY-IN REVEAL EDGE, #AMC463XXX, 24" X 24", FINISH: #44 "SATIN SILVER", PERFORATION: "AC", GLASS FIBER ACOUSTICAL PAD IN BLACK SUSPENSION SYSTEM: CHICAGO METALLIC LAYIN SUSPENSION, 9/16" GRID, FINISH: TO MATCH ACT-2
ACT-3	ACOUSTIC CEILING TILE: USG ECLIPSE PANELS #SC1812 WITH CLIMAPLUS, #76975 EDGE 'FL', COLOR: #246 "MANILA", 2' X 2' X 3/4" SUSPENSION SYSTEM: USG FINELINE DXF, 9/16" TEE SYSTEM, FINISH: #002 "SILVER SATIN"
CONC-1	CONCRETE FLOOR TREATMENT: GROUND AND POLISHED CONCRETE; SEALED
EP-1	EPOXY FLOORING: MIRACOTE DOUBLE BROADCAST SYSTEM, OR EPOXY PROVIDE POLYURETHANE 100 TOPCOAT BY ARIZONA POLYMER CUSTOM COMBINATION: MIRACOTE DOUBLE BROADCAST SYSTEM EPOXY MIRAFLO CO (MEDIUM TEXTURE) TOPCOAT - ARIZONA POLYMER POLY 100 CLEAR ESTES GRAY - 2 PARTS SPECTRA QUARTZ - SMOKE 2' PARTS SPECTRA QUARTZ - WHITE 1' PART
LVT-1	LUXURY VINYL TILE: PATCRAFT, PATTERN: #1600V CLICK REFRESH, COLOR: #00770 "RUSTIC", 7"X8" PLANK 20 MIL WEAR LAYER "STEP" LOCKING SYSTEM, ASTM-F 1700 CLASS III PRINTED FILM VINYL PLANK TYPE B EMBOSSED, FINISH: EXOGUARD QUARTZ ENHANCED URETHANE, ADHESIVE NOT RECOMMENDED, FLORSEPT ANTIMICROBIAL, ADA COMPLIANT ASTM D 2047 EDGE GUARD: ROPPE, 3/16" REDUCER STRIP, COLOR: #110 "BROWN"
PLAM-1	PLASTIC LAMINATE: FORMICA, COLOR: #8844-WR "AGED ASH", FINISH: WOODBRUSH EXPOSED GWB/PLYWOOD AT WAINSCOT PANELS TO BE PT-5.
PLAM-2	PLASTIC LAMINATE TOILET: FORMICA #5881-58 "CHOCOLATE WRAP"
PT-1	PAINT: SHERWIN WILLIAMS, #SW9173, COLOR: "SHIITAKE", SATIN FINISH
PT-2	PAINT: SHERWIN WILLIAMS, #SW2815, COLOR: "RENWICK OLIVE", SATIN FINISH
PT-3	PAINT: SHERWIN WILLIAMS, #SW7726, COLOR: "LEMON VERBENA", SATIN FINISH
PT-4	PAINT: SHERWIN WILLIAMS, #SW2824, COLOR: "RENWICK GOLDEN OAK", SATIN FINISH
PT-5	PAINT: SHERWIN WILLIAMS, #SW7027, COLOR: "WELL-BRED BROWN", SATIN FINISH
RB-1	RUBBER BASE: ROPPE WALL BASE, #624, COLOR: "CHAMELEON", PINNACLE SERIES, 4" H
SSF-1	SOLID SURFACE FABRICATION: CORIAN, COLOR, "ASH CONCRETE"
T-1	TILE: DAL TILE, COLORBODY PORCELAIN, FABRIC ART - MODERN LINEAR; COLOR - "TAUPE" ML62, 12" X24" GROUT: MAPEI, #5002 "PEWTER"
T-2	TILE: DAL TILE, COLORWHEEL - CLASSIC, COLOR: "ARCHITECTURAL GRAY" MATTE, 3" X 6" GROUT: MAPEI, #5002 "PEWTER"
T-3	TILE: DAL TILE, CLASSIC COLORWHEEL COLLECTION, COLOR: "GARDEN SPOT" MATTE, 3" X 6", RANDOM INSTALLATION - 50% MIX WITH T-4 GROUT: MAPEI, #5015 "BONE"
T-4	TILE: DAL TILE, CLASSIC COLORWHEEL COLLECTION, COLOR: "GARDEN SPOT" GLOSS, 3" X 6", RANDOM INSTALLATION - 50% MIX WITH T-3 GROUT: MAPEI, #5015 "BONE"
T-5	TILE: DAL TILE, COLORWHEEL LINEAR, K175: "BISCUIT GLOSSY" 8" X 24" GROUT: MAPEI, #5014 "BISCUIT"
T-6	TILE: UNITED TILE, CROSSVILLE GLASS BLOX, COLOR: GB12 BG, 1/2" X 2" BLENDED MOSAICS GROUT: MAPEI #5014 "BISCUIT"
WC-1	WALLCOVERING: DESIGNTEX WALLCOVERING, PATTERN: TOVA, COLOR: "TATAMI" #6745-103, TYPE II, 20 OZ., RANDOM MATCH, REVERSE HANG
WC-2	WALLCOVERING: GC TO COORDINATE WITH OWNER.
WC-3	WALLCOVERING: WOLF GORDON, PATTERN: SAVANNAH, COLOR: "SPANISH MOSS" #Y47676SV, 20 OZ., INSTALLATION: RANDOM REVERSE HANG
WD-1	WOOD: WALNUT; FINISH: CLEAR, SATIN FINISH

PRODUCT SPECIFICATIONS

TOILET PARTITIONS:	BRADLEY, 500 SERIES FLOOR BRACED PLASTIC LAMINATE TOILET PARTITIONS, FORMICA, COLOR: #8823-58 "PATINA", MATTE FINISH
CABINET HARDWARE:	EPCO 4" ALUMINUM CABINET PULL, #EPC-DP433-4-SL, 4-3/8" L X 3/8" W, 4" HOLE SPACING, 7/8" PROJECTION
CORNERGUARD:	ACROVYN, SURFACE MOUNTED STAINLESS STEEL METAL CORNER GUARD, #CO-8
ALUMINUM TRIM:	EXTRUDE-A-TRIM, SOLID RECTANGULAR BAR, #IE2414, 1/8" D X 3/4" W, FINISH: "SATIN CLEAR"

ROOM FINISH ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
CONC	CONCRETE
CT	CERAMIC TILE
EXP	EXPOSED
FF	FACTORY FINISH
FRL	FIBER REINFORCED LAMINATE
FRP	FIBERGLASS REINFORCED PLASTIC PANEL
GWB	GYPSUM WALL BOARD
MATL	MATERIAL
NO	NUMBER
PLAM	PLASTIC LAMINATE
PT	PAINT
RB	RUBBER BASE
SS	STAINLESS STEEL
WD	WOOD



5664 REGISTERED ARCHITECT  
DOUGLAS P. OBERST  
STATE OF WASHINGTON

PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
1115 EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS		
1	ADDENDUM #1	2023.12.22
2	ADDENDUM #2	2024.03.04

DATE: 7.1.2022  
 BCRA NO: 19110.00.00  
 DRAWN BY:  
 REVIEWED BY:  
 SHEET TITLE: INTERIOR FINISH SCHEDULE

REVISIONS

1	ADDENDUM #1	2023.12.22
2	ADDENDUM #2	2024.03.04

DATE: 7.1.2022  
BCSA NO: 19110.00.00  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: DOOR SCHEDULE

DOOR NUMBER	DOOR							FRAME			DETAIL CALLOUT			HARDWARE GROUP	REMARKS	DOOR NUMBER
	WIDTH	HEIGHT	DEPTH	TYPE	MATERIAL	FINISH	GLAZING	TYPE	MATERIAL	FINISH	HEAD	JAMB	SILL			
101A	3'-0"	7'-0"	1 3/4"	B	AL	FF	GL2	1	AL	FF	6/A-351	2/A-351 / 5/A-351	1/A-352	HW-1	A, B	101A
101B	3'-0"	7'-0"	1 3/4"	B	AL	FF	GL2	1	AL	FF	6/A-351	2/A-351 / 5/A-351	1/A-352	HW-1	A, B	101B
103	3'-0"	7'-0"	1 3/4"	A	HM	PT	-	1	HM	PT	6/A-352	5/A-352	-	HW-2		103
107A	2'-10"	7'-0"	1 3/4"	A	HM	PT	-	1	HM	PT	6/A-352	5/A-352	-	HW-3		107A
107B	2'-8"	7'-0"	1 3/4"	A	HM	PT	-	1	HM	PT	6/A-352	5/A-352	-	HW-3		107B
107C	2'-8"	7'-0"	1 3/4"	A	HM	PT	-	1	HM	PT	6/A-352	5/A-352	-	HW-3		107C
115	3'-0"	7'-0"	1 3/4"	B	AL	FF	AL	1	AL	FF	6/A-351	8/A-351	1/A-352	HW-1	A, B	115
116	3'-0"	7'-0"	1 3/4"	A	HM	PT	-	1	HM	PT	6/A-352	5/A-352	-	HW-2		116

**DOOR SCHEDULE GENERAL NOTES**

- FIELD VERIFY ALL DOOR/FRAME OPENING SIZES.
- REFER TO G-301 FOR TYPICAL ADA CLEARANCE REQUIREMENTS AT DOORS.
- PROVIDE BACKING IN FRAMING FOR ALL WALL-MOUNTED HARDWARE. REFER TO FRAMING SPECIFICATIONS FOR LOCATIONS AND REQUIREMENTS.
- ALL EXTERIOR DOORS AND FRAMES MUST MEET WASHINGTON STATE ENERGY CODE MAXIMUM U-VALUE (.60 FOR GLAZED DOORS AND 0.37 FOR OPAQUE DOORS) AND MAXIMUM SHGC OF 0.40 FOR GLAZED DOORS.
- ALL EXTERIOR DOORS AND FRAMES SHALL COMPLY WITH AIR BARRIER REQUIREMENTS.
- ALL AT GRADE DOORS TO HAVE DEFENSELITE.

**STOREFRONT GENERAL NOTES**

- STOREFRONT SYSTEMS TO BE THERMALLY BROKEN ALUMINUM 2" X 4 1/2" FRAME WITH CLEAR ANODIZED FINISH.
- REFER TO A-351 FOR STOREFRONT HEAD, JAMB, AND SILL DETAILS.
- REFER TO PLANS AND ELEVATIONS FOR LOCATIONS AND QUANTITIES OF STOREFRONTS.
- ALL EXTERIOR STOREFRONT ASSEMBLIES MUST MEET WASHINGTON STATE ENERGY CODE MAXIMUM U-VALUE (.38) AND MAXIMUM SHGC (.40) OF GLAZING AND FRAME ASSEMBLIES.
- ALL AT GRADE DOORS TO HAVE DEFENSELITE.

**GLAZING TYPES**

- GL1 1" INSULATED GLASS UNIT WITH 1/4" CLEAR LOW-E GLASS EXTERIOR PANE AND 1/4" CLEAR FLOAT GLASS INTERIOR PANE
- GL2 1" INSULATED GLASS WITH 1/4" CLEAR TEMPERED SAFETY GLASS WITH LOW-E COATING
- AL ALUMINUM PANEL

**DOOR SCHEDULE REMARKS**

- EXTERIOR DOOR. SERVES AS AIR BARRIER. AT HOLLOW METAL: PROVIDE INSULATED DOOR.
- PROVIDE PANIC HARDWARE PER WABC 1010.1.10.

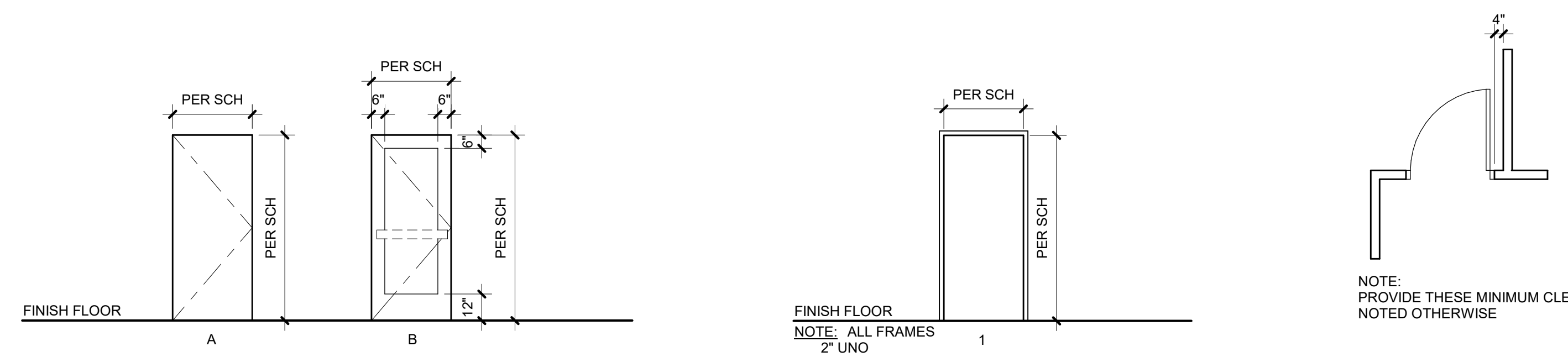
**DOOR SCHEDULE ABBREVIATIONS**

- AL ALUMINUM
- FF FACTORY FINISH
- GL- GLAZING TYPE
- HM HOLLOW METAL
- PT PAINT
- WD WOOD

**DOOR HARDWARE GROUPS**

DOOR HARDWARE TO BE COMMERCIAL IN QUALITY, SCHLAGE OR EQUAL. PROVIDE REMOVABLE CORE LOCKSET - MUST ACCEPT A MEDECO CORE

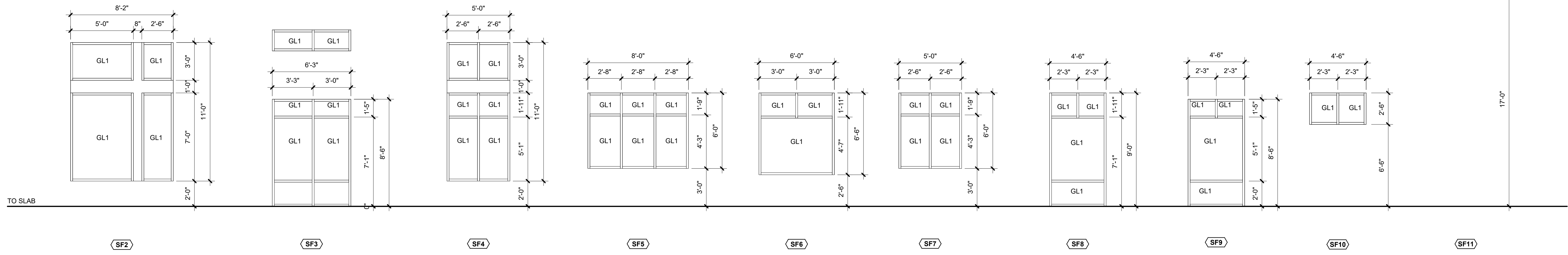
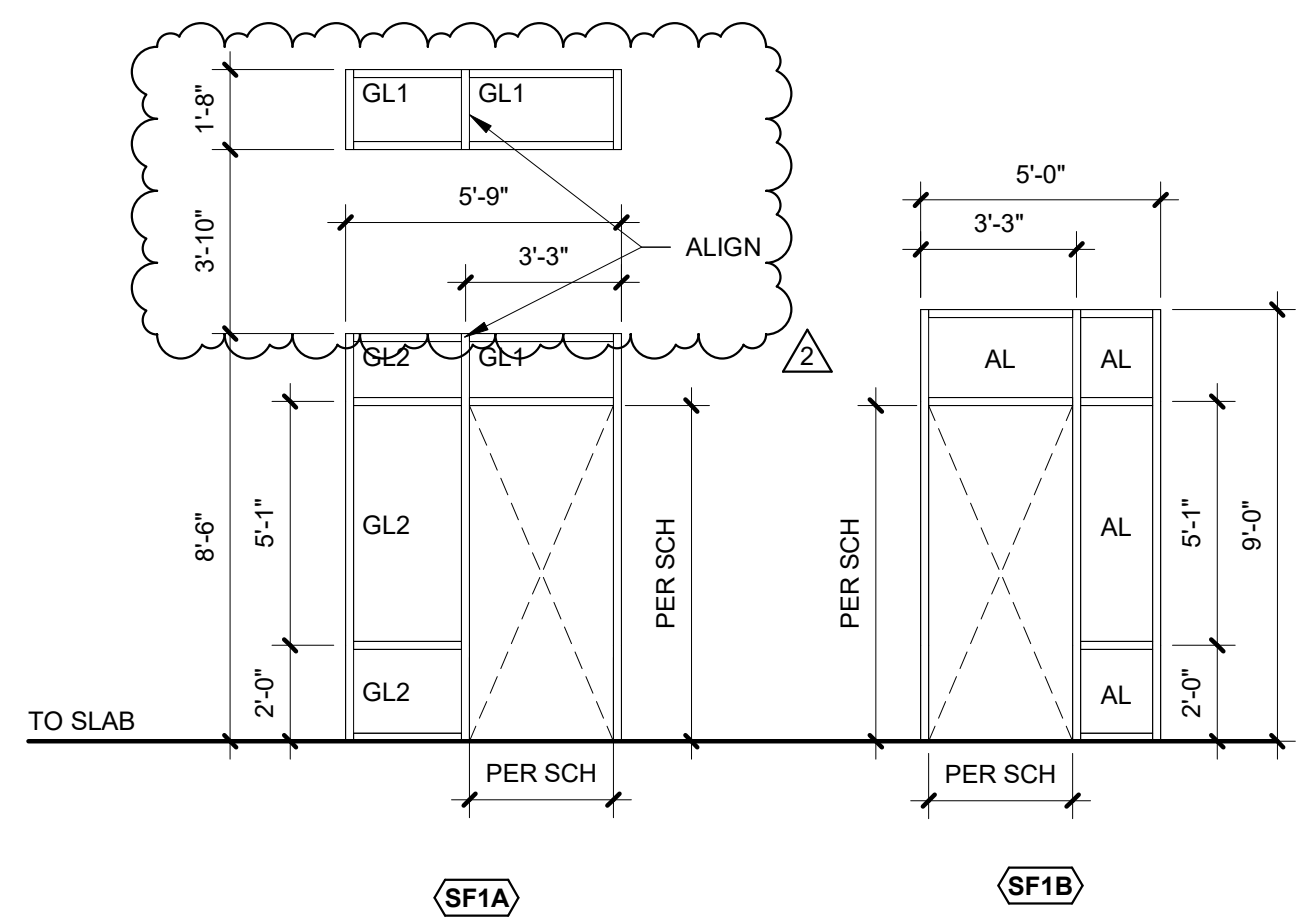
- HW-1: ALUMINUM STOREFRONT ASSEMBLY PANIC HARDWARE PULL ON EXTERIOR DOOR CLEAR ANODIZED FINISH PIVOT HINGES WEATHER SEAL AT HEAD AND JAMBS PENIKO ALUM. THRESHOLD, 1/2" MAX. HT., W/ DOOR SWEEP NORTON HANDICAP ACCESSIBLE CLOSER LOCKSET TO MATCH MASTER KEYING SYSTEM TO BUILDING INTERCHANGEABLE CORE
- HW-2: ENTRANCE/OFFICE LOCK W/ LEVER HANDLES EA. SIDE SCHLAGE ND53PD-RHO-62-INTERCHANGEABLE CORE 1 1/2 PAIR BUTT HINGES, ANODIZED ALUM. FINISH SATIN FINISH
- HW-3: PASSAGE HANDLE WITH LEVER HANDLES ENTRANCE SIDE SCHLAGE ND10S-RHO-626 PASSAGE HANDLE WITH ARM PULL RESTROOM SIDE SANITGRASP 1 1/2 PAIR BUTT HINGES, ANODIZED ALUM. FINISH SATIN FINISH



**DOOR TYPES**

**FRAME TYPES**

**TYP DOOR CLEARANCE**



**City of Puyallup**  
Development & Permitting Services  
**ISSUED PERMIT**

Building	Planning
Engineering	Public Works
File	Traffic

ASSEMBLY TYPE AND DESCRIPTION	ASSEMBLY COMPONENTS - PLAN VIEW
<b>R2</b> SINGLE PLY ROOF	<p>SINGLE PLY ROOF MEMBRANE COVERBOARD PER MFR RIGID INSULATION (R30 MINIMUM) AIR / VAPOR BARRIER SYSTEM (AIR BARRIER) SHEATHING PER STRUCTURAL ROOF FRAMING PER STRUCTURAL</p> <p>EXTERIOR</p> <p>INTERIOR</p> <p>SCALE: 1 1/2" = 1'-0"</p>
<b>R1</b> STANDING METAL ROOF	<p>STANDING SEAM METAL ROOF LAYER OF RESIN PAPER COVERBOARD PER MFR RIGID INSULATION (R30 MINIMUM), UNINSULATED AT EXTERIOR AIR / VAPOR BARRIER SYSTEM (AIR BARRIER) SHEATHING PER STRUCTURAL ROOF FRAMING PER STRUCTURAL</p> <p>EXTERIOR</p> <p>INTERIOR</p> <p>SCALE: 1 1/2" = 1'-0"</p>
<b>F1</b> CONCRETE SLAB ON GRADE	<p>CONCRETE SLAB ON GRADE, REFER TO STRUCTURAL REINFORCED VAPOR RETARDER 4" CAPILLARY BREAK MATERIAL</p> <p>EXTERIOR</p> <p>INTERIOR</p> <p>SCALE: 1 1/2" = 1'-0"</p>

ASSEMBLY TYPE AND DESCRIPTION	ASSEMBLY COMPONENTS - PLAN VIEW
<b>W5</b> EXTERIOR 2X8 FIRE RETARDANT TREATED WOOD STUD WALL ASSEMBLY WITH FIRE RETARDANT TREATED PLYWOOD SHEATHING AND FIBER CEMENT	<p>FIBER CEMENT SIDING, REFER TO ELEVATIONS 1 5/8" X 3/8" BATTENS @ 16" O.C., ALIGN WITH STUDS AIR AND WATER BARRIER SYSTEM (AIR BARRIER) SHEATHING PER STRUCTURAL FRAMING PER STRUCTURAL WITH R21 BATT INSULATION VAPOR RETARDER (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD FULL HEIGHT STAINLESS STEEL PANEL FINISH</p> <p>EXTERIOR</p> <p>INTERIOR</p> <p>SCALE: 1 1/2" = 1'-0"</p>
<b>W4</b> INTERIOR 2X4 WOOD STUD WALL ASSEMBLY	<p>(1) LAYER 5/8" TYPE 'X' GYPSUM BOARD FINISH PER INTERIOR ELEVATIONS 2X4 WOOD FRAMING @ 16" OC (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD FINISH PER INTERIOR ELEVATIONS</p> <p>INTERIOR</p> <p>INTERIOR</p> <p>SCALE: 1 1/2" = 1'-0"</p>

ASSEMBLY TYPE AND DESCRIPTION	ASSEMBLY COMPONENTS - PLAN VIEW
<b>W3</b> INTERIOR 2X6 WOOD STUD WALL ASSEMBLY	<p>(1) LAYER 5/8" TYPE 'X' GYPSUM BOARD FINISH PER INTERIOR ELEVATIONS 2X6 WOOD FRAMING @ 16" OC (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD FINISH PER INTERIOR ELEVATIONS</p> <p>INTERIOR</p> <p>INTERIOR</p> <p>SCALE: 1 1/2" = 1'-0"</p>
<b>W2</b> EXTERIOR 2X6 WOOD STUD WALL ASSEMBLY WITH FIBER CEMENT	<p>FIBER CEMENT SIDING, REFER TO ELEVATIONS 1 5/8" X 3/8" BATTENS @ 16" O.C., ALIGN WITH STUDS AIR AND WATER BARRIER SYSTEM (AIR BARRIER) SHEATHING PER STRUCTURAL FRAMING PER STRUCTURAL WITH R21 BATT INSULATION VAPOR RETARDER (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD FINISH PER INTERIOR ELEVATIONS</p> <p>EXTERIOR</p> <p>INTERIOR</p> <p>SCALE: 1 1/2" = 1'-0"</p>
<b>W1</b> EXTERIOR 2X6 WOOD STUD WALL ASSEMBLY WITH MASONRY	<p>ADHERED STONE VENEER, INSTALL PER MFG MORTAR SETTING BED SCRATCH COAT LATH SELF-DRAINING MEMBRANE PER MFR AIR AND WATER BARRIER SYSTEM (AIR BARRIER) SHEATHING PER STRUCTURAL FRAMING PER STRUCTURAL WITH R21 BATT INSULATION VAPOR RETARDER (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD FINISH PER INTERIOR ELEVATIONS</p> <p>EXTERIOR</p> <p>INTERIOR</p> <p>SCALE: 1 1/2" = 1'-0"</p>

**INTERIOR WALL ASSEMBLY GENERAL NOTES**

- REFER ALSO TO STRUCTURAL FOR FRAMING MEMBER SIZING AND SPACING, SHEATHING REQUIREMENTS, AND ATTACHMENT REQUIREMENTS.
- REFER TO FLOOR FOR LOCATIONS REQUIRING ACOUSTIC-RATED WALL CONSTRUCTION.
- REFER TO FINISH SCHEDULE FOR FINISH SYSTEMS.
- PROVIDE GYPSUM TILE BACKER BOARD AT ALL LOCATIONS SCHEDULED TO RECEIVE TILE FINISH.
- PROVIDE CEMENT BACKER BOARD IN LIEU OF GYPSUM BOARD AT ALL LOCATIONS SCHEDULED TO RECEIVE SOLID POLYMER WALL CLADDING.
- NON-FIRE-RATED ASSEMBLIES: INSTALL GENERAL PURPOSE INTERIOR SEALANT AT EXPOSED TO VIEW GAPS/CRACKS AROUND PENETRATIONS AND BETWEEN DISSIMILAR MATERIALS.
- AT WALLS THAT DO NOT EXTEND TO STRUCTURE ABOVE, PROVIDE RIGID BRACE AT 8'-0" O.C. OR TO RESIST 5 PSF TRANSVERSE LOAD, ALTERNATE SIDES. ATTACH BRACE TO STRUCTURE WITH (2) POWDER DRIVE OR ONE EXPANSION TYPE ANCHOR. ATTACH BRACE TO PARTITION WITH (2) #8 SCREWS. BRACING NOT REQUIRED WITHIN 8'-0" OF INTERSECTING PARTITIONS.
- AT WALLS WITH PLUMBING FIXTURES AND PAINT FINISH, PROVIDE WATER-RESISTANT GYPSUM BOARD.
- PROVIDE BACKING IN FRAMING FOR SURFACE MOUNTED ITEMS.
- DUCT PENETRATIONS OF FIRE-RATED ASSEMBLIES: REFER TO MECHANICAL DRAWINGS FOR FIRE/SMOKE DAMPERS.

**EXTERIOR WALL ASSEMBLY GENERAL NOTES**

- REFER ALSO TO STRUCTURAL FOR FRAMING MEMBER SIZING AND SPACING, SHEATHING REQUIREMENTS, AND ATTACHMENT REQUIREMENTS.
- REFER TO FINISH SCHEDULE FOR INTERIOR FINISH SYSTEMS.
- REFER TO A-591 FOR ADDITIONAL STUD SPACING AND BACKING REQUIREMENTS FOR SIDING REVEALS AND TRANSITIONS.
- ITEMS LABELED "AIR BARRIER" ARE PART OF THE AIR BARRIER SYSTEM AS OUTLINED ON SHEET G-101.
- REFER TO EXTERIOR ELEVATIONS FOR VERTICAL AND HORIZONTAL TRANSITIONS. PROVIDE ADDITIONAL FRAMING MEMBERS AND BLOCKING AT TRANSITIONS AS REQUIRED TO MEET MANUFACTURER'S ATTACHMENT REQUIREMENTS.
- PROVIDE BACKING IN FRAMING FOR SURFACE MOUNTED ITEMS. REFER TO SPECIFICATIONS FOR REQUIREMENTS.

PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
1115 EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS	DATE
1 ADDENDUM #1	2023.12.22

DATE  
7.1.2022

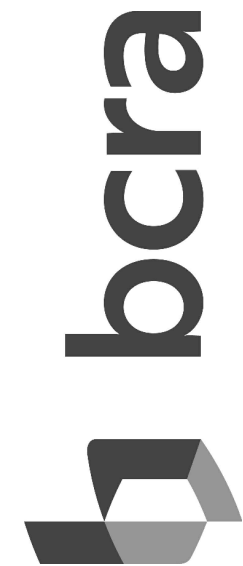
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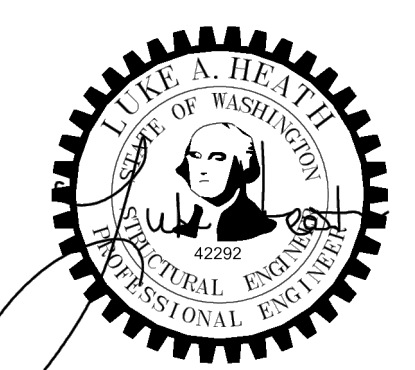
SHEET TITLE  
ASSEMBLY TYPES





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SEA



GENERAL

SUBMITTALS: SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT / ENGINEER PRIOR TO ANY FABRICATION OR CONSTRUCTION FOR THE FOLLOWING ITEMS:

- REINFORCING STEEL
- STRUCTURAL AND MISC. STEEL INCLUDING STEEL DECK, EMBEDDED STEEL ITEMS, SHEAR STUD LAYOUT
- GLUED-LAMINATED MEMBERS
- PRE-ENGINEERED WOOD TRUSSES
- CONCRETE MIX DESIGN

IF THE SHOP DRAWINGS DIFFER FROM OR ADD TO THE DESIGN OF THE STRUCTURAL DRAWINGS, THEY SHALL BEAR THE SEAL AND SIGNATURE OF THE WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER WHO IS RESPONSIBLE FOR THE DESIGN.

TESTING AND INSPECTIONS: TESTING AND INSPECTION TO CONFORM TO IBC CHAPTER 17 AND 1703, 2018 EDITION. ALL PREPARED SOILS AND BEARING SURFACES SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF REINFORCING STEEL.

MISCELLANEOUS: CONTRACTOR SHALL VERIFY ALL LEVELS, DIMENSIONS, AND EXISTING CONDITIONS IN THE FIELD PRIOR TO PROCEEDING. CONTRACTOR SHALL NOTIFY THE ARCHITECT / ENGINEER OF ANY DISCREPANCIES OR FIELD CHANGES PRIOR TO INSTALLATION OR FABRICATION.

CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND BRACING OF ALL STRUCTURAL MEMBERS, EXISTING CONSTRUCTION AND SOIL EXCAVATIONS, AS REQUIRED, AND IN A MANNER SUITABLE TO THE WORK SEQUENCE.

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED TO PERFORM THE WORK.

SITE WORK

ALL EARTHWORK, MATERIAL, BACKFILL, AND COMPACTION SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. EXCAVATE TO DEPTH SHOWN AND TO FIRM UNDISTURBED MATERIAL.

CONCRETE

CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF CHAPTER 19 OF THE IBC

Table with columns: MATERIALS (CEMENT, COARSE AND FINE AGGREGATE, WATER), STRENGTH (SLABS, FOOTINGS, STEM WALLS), W/C MAX (0.45, 0.5, 0.45)

ADMIXTURES: WATER REDUCING ADMIXTURES MAY BE INCORPORATED IN CONCRETE MIX DESIGNS, BUT SHALL CONFORM TO ASTM C 494, AND BE USED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

AN AIR-ENTRAINING AGENT CONFORMING TO ASTM C 260 SHALL BE USED IN ALL CONCRETE MIXES FOR FLATWORK WHICH IS EXPOSED TO WEATHER.

MISCELLANEOUS: WATER/CEMENT (W/C) RATIO SHALL BE MEASURED BY WEIGHT AND SHALL BE BASED ON THE TOTAL CEMENTITIOUS MATERIAL.

FIELD-MEASURED SLUMP SHALL CONFORM TO THE SUBMITTED CONCRETE MIX DESIGN. TOLERANCE OF SLUMP SHALL CONFORM TO ASTM C 94.

THE CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS FOR APPROVAL 2 WEEKS PRIOR TO PLACING ANY CONCRETE. THE MIX DESIGN SHALL BE IN CONFORMANCE WITH IBC SECTION 1905.

FORM WORK SHALL FOLLOW RECOMMENDED PRACTICE FOR CONCRETE FORM WORK, ACI 347.

IF THE AIR TEMPERATURE WILL EXCEED 75 DEGREES F WITHIN 48 HOURS OF PLACING CONCRETE, A MOIST CURE SHALL BE APPLIED TO THE CONCRETE FOR A PERIOD OF 36 HOURS AFTER FINISHING CONCRETE SURFACES.

Table with columns: REINFORCING STEEL (DEFORMED BAR REINFORCEMENT, SPECIAL DUCTILE QUALITY (SDQ) DEFORMED BARS, WELDED WIRE FABRIC, DEFORMED BAR ANCHORS), MATERIALS (ASTM A615 - GR. 60, ASTM A706 - GR. 60 LOW ALLOY, etc.)

DETAIL, FABRICATE, AND PLACE PER ACI 315 AND ACI 318. SUPPORT REINFORCEMENT PER CRSI MANUAL OF STANDARD PRACTICE, MSP-1.

Table with columns: CONCRETE COVER (BEAMS STIRRUPS AND COLUMN TIES, SLAB BARS, NONSTRUCTURAL SLAB-ON-GRADE, etc.), MATERIALS (1 1/2", 3/4" TYP, 1" FOR RATED CONST, etc.)

ELECTRICAL CONDUIT SHALL NOT BE PLACED WITHIN A SLAB-ON-GRADE, BUT SHALL BE PLACED BELOW THE SLAB IN THE SUB-BASE.

WELDING OF REINFORCING, WHEN APPROVED BY ARCHITECT / ENGINEER, SHALL BE PER AWS D1.4 REINFORCING STEEL WELDING CODE.

GROUT FOR BEARING PLATE: FOR BASE BEARING PLATE, GROUT SHALL BE NON-SHRINK TYPE WITH MINIMUM F'C = 8,000 PSI.

STEEL

STRUCTURAL STEEL DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO THE REQUIREMENTS OF CHAPTER 22 OF THE IBC.

MATERIALS:

Table with columns: MATERIALS (STRUCTURAL STEEL, STRUCTURAL TUBES, STEEL PIPE, etc.), MATERIALS (ASTM A992, ASTM A500, GR. B, etc.)

WELDING:

ALL WELDING SHALL BE IN ACCORDANCE WITH THE "STRUCTURAL WELDING CODE" ANS/AWS D1.1 AND SHALL BE BY AWS-WABO CERTIFIED WELDERS. ONLY WELDS THAT ARE PREQUALIFIED, PER AWS, OR QUALIFIED BY TESTING SHALL BE USED.

MISCELLANEOUS:

ALL STEEL EXPOSED TO WEATHER, MOISTURE, SOIL, OR AS NOTED SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION PER ASTM A123.

SUBSTITUTION OF MEMBER SIZES OR STEEL GRADE WILL NOT BE ALLOWED WITHOUT PRIOR APPROVAL OF THE ARCHITECT / ENGINEER.

BOLTED CONNECTIONS ARE TO BE OF HIGH STRENGTH ASTM A325 BOLTS AS SHOWN. A MINIMUM OF TWO BOLTS IS REQUIRED FOR ALL BEAM CONNECTIONS.

STEEL DECK

STEEL ROOF DECK SHALL CONFORM TO ALL REQUIREMENTS OF THE FOLLOWING DOCUMENTS, EXCEPT AS MODIFIED BELOW: AISI "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".

MATERIALS:

STEEL DECK SHALL CONFORM TO ASTM A 653, GRADE 33, MINIMUM. MINIMUM FY = 38,000 PSI.

WELDING:

DECK WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3, "SPECIFICATION FOR WELDING SHEET STEEL IN STRUCTURES." WELDER SHALL BE QUALIFIED BY WABO LIGHT GAUGE CERTIFICATION.

CONTRACTOR SHALL PROVIDE CLOSURE PLATES, FLASHING, AND ALL MISCELLANEOUS LIGHT GAGE METAL SHAPES NECESSARY TO COMPLETE THE WORK.

MISCELLANEOUS:

WHERE THE DECK IS LEFT PERMANENTLY EXPOSED, GALVANIZED COATING SHALL CONFORM TO ASTM A924, G60.

MINIMUM DECK GAGES ARE SHOWN ON PLANS AND ARE BASED ON 3-SPAN, UNSHORED CONDITIONS. HEAVIER DECK GAGES MAY BE REQUIRED FOR OTHER CONDITIONS DEPENDING ON MANUFACTURER'S AND CONTRACTOR'S LAYOUT.

ROOF DECK:

STEEL ROOF DECK SHALL BE TYPE B DECK WITH RIBS AT 6-INCH ON CENTER OF THE SIZE AND GAGE SHOWN ON THE PLANS OR AN APPROVED EQUAL. ROOF DECK FASTENING SHALL BE AS SHOWN ON THE PLANS.

ROOF DECK MISCELLANEOUS:

SUSPENDED CEILINGS, LIGHT FIXTURES, PIPES, DUCTS, MECHANICAL OR ELECTRICAL EQUIPMENT, OR OTHER UTILITIES SHALL NOT BE SUPPORTED BY THE NON-COMPOSITE STEEL DECK WITHOUT APPROVAL OF THE ENGINEER.

HOLES OR COMBINATIONS OF HOLES IN NON-COMPOSITE ROOF DECK, WHICH CUT TWO WEBS WHICH ARE CLOSER THAN 24 INCHES ON CENTER, MAY REQUIRE DECK REINFORCEMENT PER THE ENGINEER.

CONCRETE MASONRY

CONCRETE MASONRY DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO THE REQUIREMENTS OF CHAPTER 21 OF THE IBC.

MATERIALS:

Table with columns: MATERIALS (ASSEMBLY STRENGTH, MASONRY UNITS, MORTAR, etc.), MATERIALS (f'm = 1500 psi, ASTM C90, etc.)

MISCELLANEOUS:

GROUT SHALL BE POURED IN MAXIMUM LIFTS OF 5'-0". WALLS SHALL BE GROUTED SOLID, UNO.

TESTING AND QUALITY ASSURANCE SHALL BE IN ACCORDANCE TO SECTION 2105. CONTINUOUS SPECIAL INSPECTION SHALL BE PROVIDED, UNO.

WOOD

WOOD DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO THE REQUIREMENTS OF CHAPTER 23 OF THE IBC.

MATERIALS:

Table with columns: MATERIALS (STUD WALLS, JOISTS BEAMS, POSTS, etc.), MATERIALS (DOUGLAS FIR-LARCH NO. 2, etc.)

ALL LUMBER SHALL BE STAMPED WITH THE GRADE MARK OF EITHER WEST COAST LUMBER INSPECTION BUREAU (WWLB) AND/OR WESTERN WOOD PRODUCTS ASSOCIATION (WWPA) AND SHALL BE KILN DRIED.

PRESERVATIVE TREATED LUMBER:

ALL WOOD IN CONTACT WITH CONCRETE, MASONRY, OR GRADE OR EXPOSED TO WEATHER SHALL BE TREATED LUMBER. TREATED LUMBER SHALL BE IN ACCORDANCE WITH AMERICAN WOOD-PRESERVERS' ASSOCIATION (AWPA) SPECIFICATIONS FOR THE PRESSURE TREATMENT OF WESTERN WOODS.

MANUFACTURED WOOD TRUSSES:

MANUFACTURED WOOD TRUSSES SHALL BE MANUFACTURED AS REQUIRED BY TP1 AND DESIGNED BY A PROFESSIONAL ENGINEER. SUBMIT CONSTRUCTION DOCUMENTS PER SECTION 1 OF THESE NOTES AND IN ACCORDANCE TO IBC SECTION 2303.4.1.

METAL CONNECTORS / ANCHORS:

BOLTS SHALL BE ASTM A307, UNLESS OTHERWISE NOTED. NAILS SHALL BE ASTM F1667 COMMON. ANCHOR CONNECTIONS SHALL BE SIMPSON OR TECO OR ICC APPROVED. ALL FASTENERS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS UNO.

MINIMUM NAILING FOR SHEATHING SHALL BE 10D COMMON NAILS AT 6"OC FOR PANEL EDGES AND 12" FOR INTERMEDIATE SUPPORTS, UNO. PROVIDE A 1/8" GAP BETWEEN 4x8 SHEETS (1/4" GAP FOR SHEETS LARGER THAN 8x8).

MISCELLANEOUS:

ROOF AND FLOOR FRAMING LAYOUTS ARE PROVIDED TO ILLUSTRATE CONDITIONS OF CONSTRUCTION AND DO NOT NECESSARILY INDICATE SPECIFIC QUANTITIES OF MATERIALS OR COMPONENTS REQUIRED FOR CONSTRUCTION.

ANCHORS

USE OF DRILLED CONCRETE ANCHORS, INCLUDING EXPANSION BOLTS, ADHESIVE ANCHORS, AND UNDERCUT ANCHORS, WHERE NOT SPECIFIED IN THE DOCUMENTS SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT / ENGINEER.

ALL HEADED SHEAR STUDS SHALL BE 3/4" DIAMETER UNO. STUD LENGTHS AFTER WELD SHALL BE SHOWN ON THE DRAWINGS. DEFORMED BAR ANCHORS SHALL BE AUTOMATICALLY END WELDED IN SHOP OR FIELD WITH EQUIPMENT RECOMMENDED BY THE MANUFACTURER.

COLD FORMED STEEL FRAMING

COLD-FORMED STEEL DESIGN, FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF CHAPTER 44 OF THE NFPA 5000, AISI STANDARD FOR COLD-FORMED STEEL FRAMING - GENERAL PROVISIONS AND PER THE ICC REPORTS FOR THE PRODUCTS REFERENCED IN THE CONSTRUCTION DOCUMENTS.

MATERIALS:

Table with columns: MATERIALS (STUDS, TRACKS AND ACCESSORIES, WELD MATERIALS, WOOD SHEATHING), MATERIALS (54 MIL THICKNESS (18 GA) AND HEAVIER, etc.)

STUDS, TRACKS AND ACCESSORIES SHALL BE GALVANIZED TO A MINIMUM G60 COATING DESIGNATION. TRACKS TO HAVE 2" FLANGES, UNLESS NOTED OTHERWISE. FLOOR JOISTS SHALL HAVE UNPUNCHED WEBS.

SIZE AND PROFILE:

COLD-FORMED STEEL FRAMING MEMBERS SHALL BE OF THE TYPE, SIZE AND GAUGE SHOWN ON THE STRUCTURAL DRAWINGS AND SHALL HAVE THE MINIMUM STRUCTURAL PROPERTIES SPECIFIED IN THE STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA) ICC EVALUATION REPORT ER-4943P.

SCREWED CONNECTIONS:

ALL SCREWS SHALL BE SELF-TAPPING, SELF-DRILLING FASTENERS WITH PROTECTIVE COATINGS THAT ARE COMPATIBLE WITH AND PROVIDE THE SAME CORROSION RESISTANCE AS THE COMPONENTS BEING ATTACHED.

ALL SCREWED CONNECTIONS SHALL BE MADE FROM THE THINNER/LIGHTER GAUGE MATERIAL INTO THE THICKER/HEAVIER GAUGE. SCREWS SHALL BE INSTALLED AT A MINIMUM SPACING OF 3 X FASTENER DIAMETER OR 1/2" WHICHEVER IS GREATER AND WITH A MINIMUM EDGE DISTANCE OF 1.5 X FASTENER DIAMETER OR 1/4" WHICHEVER IS GREATER.

POWDER ACTUATED FASTENERS:

THE FASTENING OF LIGHT-GAUGE MEMBERS TO STRUCTURAL STEEL USING POWDER-ACTUATED FASTENERS SHALL BE SHOWN IN THE DRAWINGS. POWDER-ACTUATED FASTENERS SHALL BE AS MANUFACTURED BY HILTI, INC. AND SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS AND THE REQUIREMENTS OF ICC EVALUATION REPORT ESR-1663, OR ENGINEER APPROVED EQUAL.

FABRICATION:

ALL FRAMING COMPONENTS SHALL BE CUT FOR A TIGHT FIT AND SHALL BE INSTALLED SQUARE AGAINST ABUTTING MEMBERS. MEMBERS SHALL BE HELD TIGHTLY IN PLACE UNTIL FINAL CONNECTIONS ARE MADE.

ERECTION:

INSTALL WALLS PLUMB AND SQUARE AT THE LOCATIONS SHOWN IN THE PLANS. ALL SHEATHING AND BRACING CONNECTIONS SHALL BE IN PLACE AND SECURELY FASTENED PRIOR TO LOADING THE WALLS OR ERECTION SHORING AND BRACING SHALL BE PROVIDED.

DRAWING LIST

- S-001 GENERAL NOTES AND DRAWING LIST
S-002 ABBREVIATIONS LIST AND LEGENDS
S-003 INSPECTION SCHEDULES AND DESIGN CRITERIA
S-121 FOUNDATION PLAN
S-122 LOWER ROOF FRAMING PLAN
S-123 UPPER ROOF FRAMING PLAN
S-401 TYPICAL CONCRETE DETAILS
S-402 TYPICAL CONCRETE DETAILS
S-411 CONCRETE DETAILS
S-501 TACO TIME CANOPY
S-502 TACO TIME CANOPY
S-801 TYPICAL WOOD DETAILS
S-811 WOOD DETAILS

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

PROJECT: NEW CONSTRUCTION TACO TIME EAST MAIN STREET PUYALLUP, WA 98372

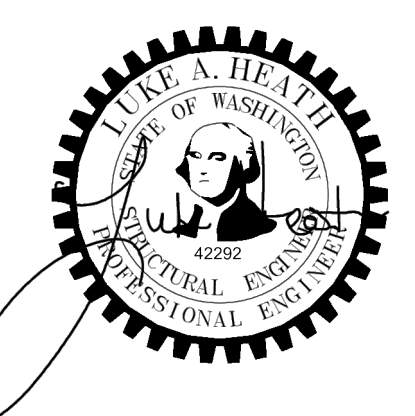
Table with columns: REVISIONS, DATE, 7.18.2023, BCR# NO, 19110.00, DRAWN BY: Author, REVIEWED BY:

DATE: 7.18.2023
BCR# NO: 19110.00
DRAWN BY: Author
REVIEWED BY:
SHEET TITLE: GENERAL NOTES AND DRAWING LIST



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S-001 PERMIT SET



PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS

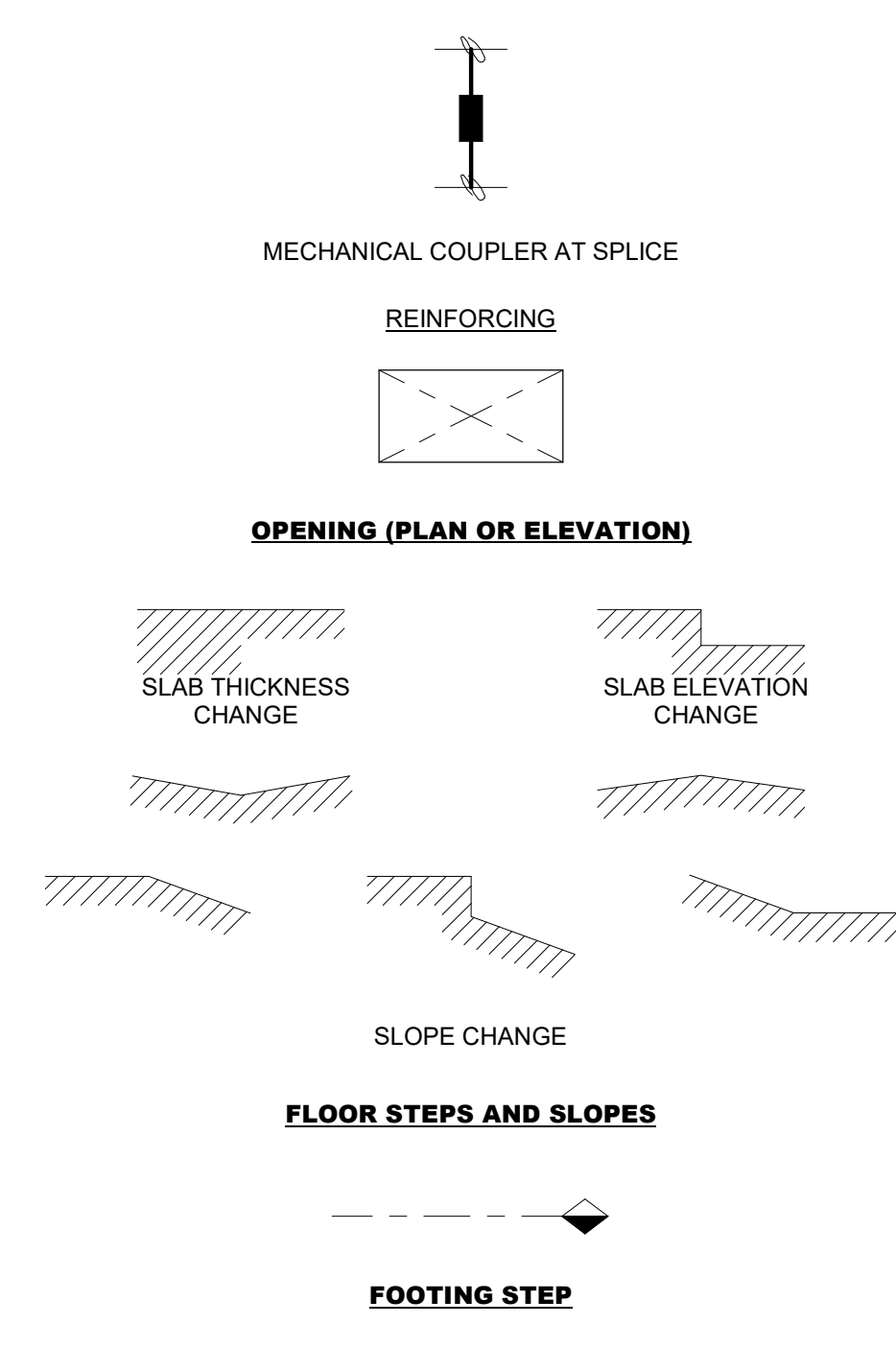
NO.	DESCRIPTION	DATE

DATE: 7.18.2023  
BCRA NO.: 19110.00  
DRAWN BY: Author  
REVIEWED BY:  
SHEET TITLE: ABBREVIATIONS LIST AND LEGENDS

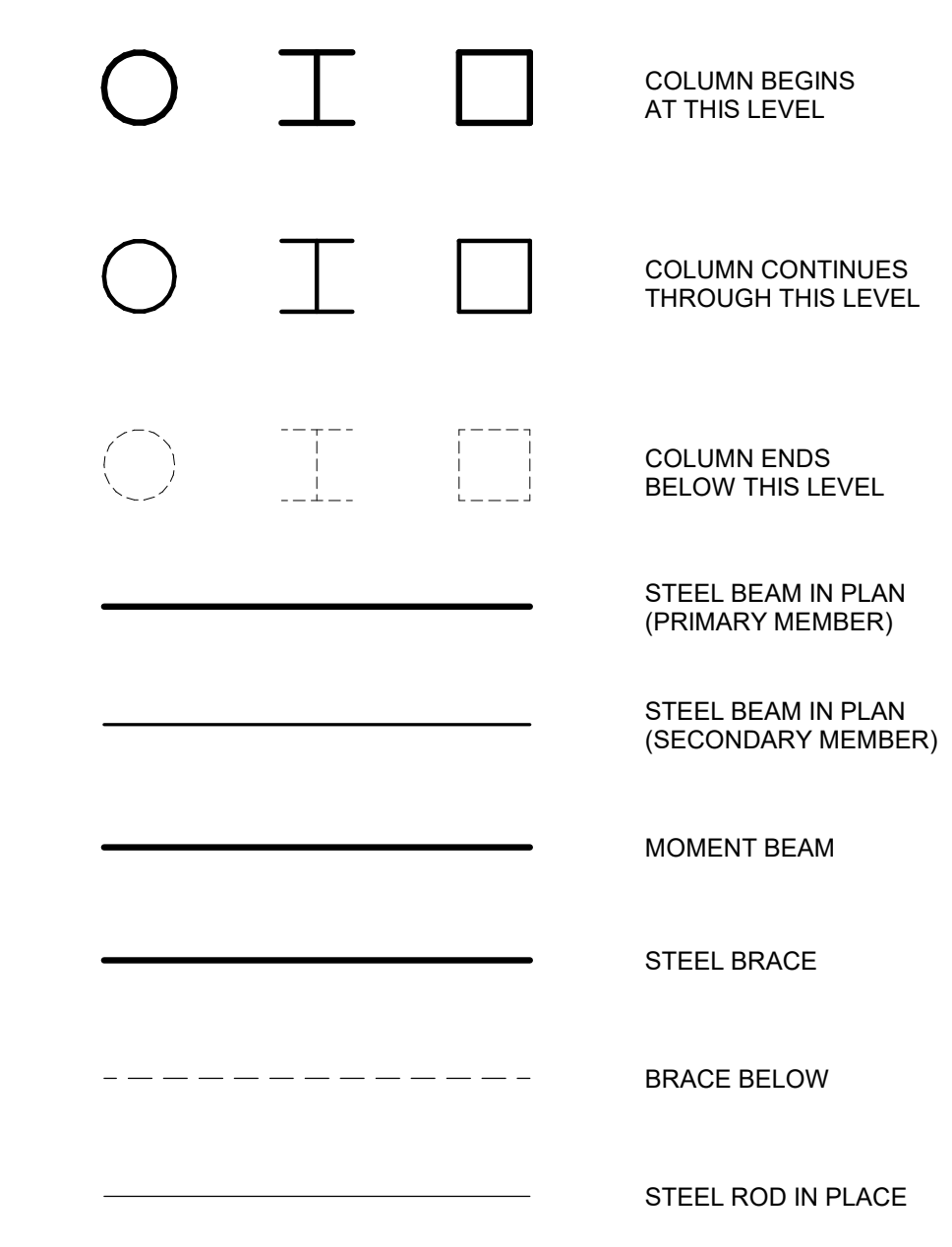
**ABBREVIATIONS**

AB	ANCHOR BOLT	JBE	JOIST BEARING ELEVATION
ADDL	ADDITIONAL	JNT	JOINT
ADJ	ADJUSTABLE	JST	JOIST
AFF	ABOVE FINISH FLOOR	K	KIP (1,000 LBS)
AMPL	AMPLITUDE	KSF	KIPS PER SQ FT
ANCH	ANCHOR	L	LENGTH (LONG)
ARCH	ARCHITECTURAL	LB	POUND
B/	BOTTOM OF	LF	LINEAL FOOT
BF	BRACED FRAME	LGA	LIGHT GAUGE
BLDG	BUILDING	LL	LIVE LOAD
BLKG	BLOCKING	LLH	LONG LEG HORIZONTAL
BM	BEAM	LLV	LONG LEG VERTICAL
BMU	BRICK MASONRY UNIT	LOC	LOCATION
BOT	BOTTOM	LONGIT	LONGITUDINAL
BRG	BEARING	LSH	LONG-SLOTTED HOLE
BSMT	BASEMENT	MATL	MATERIAL
BTWN	BETWEEN	MAX	MAXIMUM
C	CAMBER	MECH	MECHANICAL
CC	CENTER TO CENTER	MFR	MANUFACTURE(R)
CGS	CENTER OF GRAVITY OF STRAND	MIN	MINIMUM
CIP	CAST IN PLACE	MISC	MISCELLANEOUS
CJ	CONSTRUCTION, CONTROL JOINT	N-S	NON-SHRINK
CL	CENTERLINE	NIC	NOT IN CONTRACT
CLR	CLEAR	NO.	NUMBER
CMU	CONCRETE MASONRY UNIT	NOM	NOMINAL
COL	COLUMN	NS	NEAR SIDE
CONC	CONCRETE	NTS	NOT TO SCALE
CONN	CONNECTION	NW	NORMAL WEIGHT
CONST	CONSTRUCTION	O.F.	OUTSIDE FACE
CONT	CONTINUOUS	OC	ON CENTER
CONTR	CONTRACTOR	OD	OUTSIDE DIAMETER
COORD	COORDINATE	OPNG	OPENING
CP	COMPLETE PENETRATION	OPP	OPPOSITE, OPPOSITE HAND
CTR	CENTER	P-T	PRESSURE-TREATED
CTRD	CENTERED	PAF	POWDER ACTUATED FASTENER
CY	CUBIC YARD	PB	POST BELOW
DB	DIVIDER BEAM	PEN	PENETRATION
DBA	DEFORMED BAR ANCHOR	PL	PLATE, PROPERTY LINE
DBL	DOUBLE	PLYWD	PLYWOOD
DE	DECK EDGE	PP	PARTIAL PENETRATION
DET	DETAIL	PSF	POUNDS PER SQ FT
DIA	DIAMETER	PSI	POUNDS PER SQ IN
DIAG	DIAGONAL	PT	POST-TENSIONED
DKG	DECKING	R, r	RADIUS
DN	DOWN	RD	ROOF DRAIN
DO	DITTO	REF	REFERENCE
DWF	DEFORMED WIRE FABRIC	REINF	REINFORCING
DWG	DRAWING	REM	REMAIN(DER)
DWL	DOWEL	REQD	REQUIRED
EA	EACH	RET	RETURN
EE	EACH END	RO	ROUGH OPENING
EF	EACH FACE	SC	SLIP CONTROL
EL	ELEVATION	SCHED	SCHEDULE
ELECT	ELECTRICAL	SE	SLAB EDGE
ELEV	ELEVATOR	SECT	SECTION
EMBED	EMBEDMENT	SHT	SHEET
EN	EDGE NAILING	SHTHG	SHEATHING
EOS	EDGE OF SLAB	SIM	SIMILAR
EQ	EQUAL	SOG	SLAB-ON-GRADE
EQUIP	EQUIPMENT	SP	SPACE
ES	EACH SIDE	SPCG	SPACING
EW	EACH WAY	SPEC	SPECIFICATION
EX	EXISTING	SQ	SQUARE
EXP	EXPANSION	SS	STAINLESS STEEL
EXT	EXTERIOR	STD	STANDARD
FDN	FOUNDATION	STIFF	STIFFENER
FF	FINISHED FLOOR	STL	STEEL
FLG	FLANGE	STRUCT	STRUCTURAL
FLR	FLOOR	SW	SHEARWALL
FRMG	FRAMING	SYM	SYMMETRICAL
FS	FAR SIDE	T&B	TOP AND BOTTOM
FT	FEET	T&G	TONGUE AND GROOVE
FTG	FOOTING	T/	TOP OF
FV	FIELD VERIFY	TEMP	TEMPERATURE
GA	GAUGE	THK	THICK(NESS)
GALV	GALVANIZED	TRANS	TRANSVERSE
GC	GENERAL CONTRACTOR	TYP	TYPICAL
GL	GLULAM	UNO	UNLESS NOTED OTHERWISE
GOVT	GOVERNMENT	VERT	VERTICAL
GR	GRADE	VPA	VERIFY PER ARCHITECTURAL
GWB	GYPSUM WALLBOARD	W	WIDE OR WIDTH
HD	HOLD/DOWN	W/	WITH
HGR	HANGER	W/O	WITHOUT
HORIZ	HEIGHT	WHS	WELDED HEADED STUD
HT	HORIZONTAL	WP	WORK POINT
I.F.	INSIDE FACE	WWF	WELDED WIRE FABRIC
IBC	INTERNATIONAL BUILDING CODE		
ID	INSIDE DIAMETER		
IN	INCH		
INT	INTERIOR		

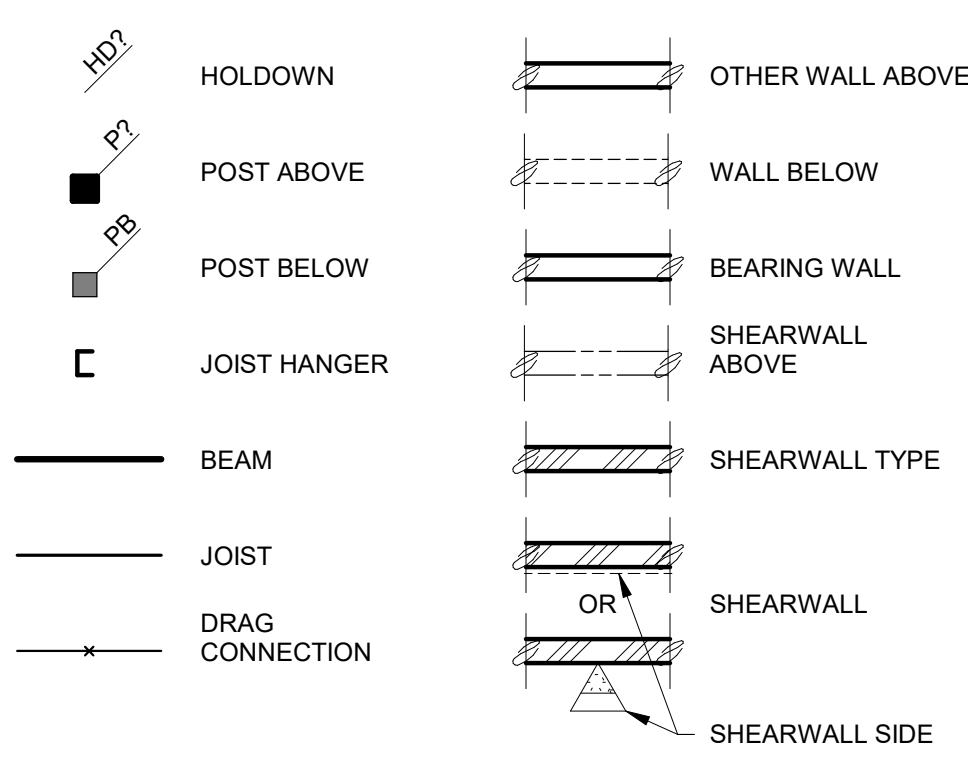
**CONCRETE SYMBOLS LEGEND**



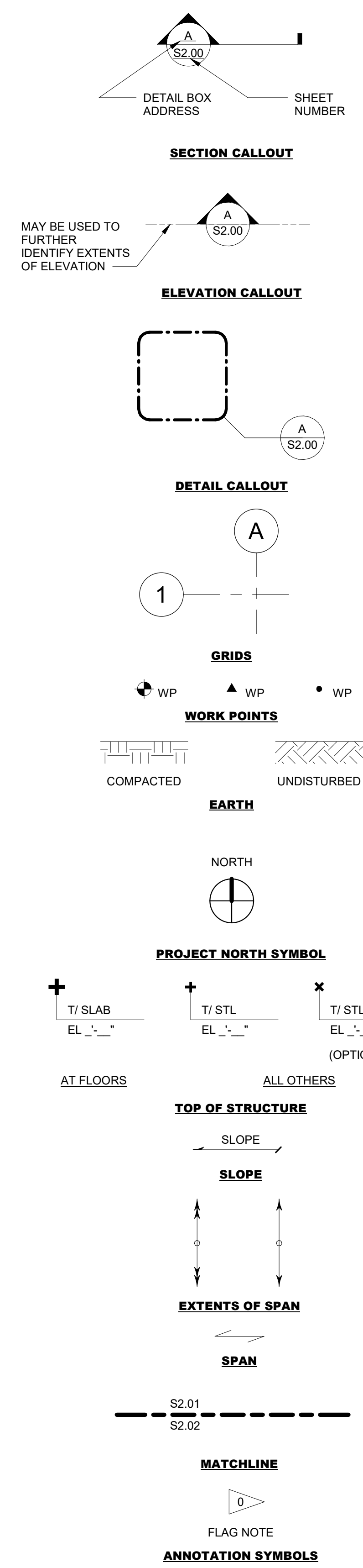
**STEEL SYMBOLS LEGEND**



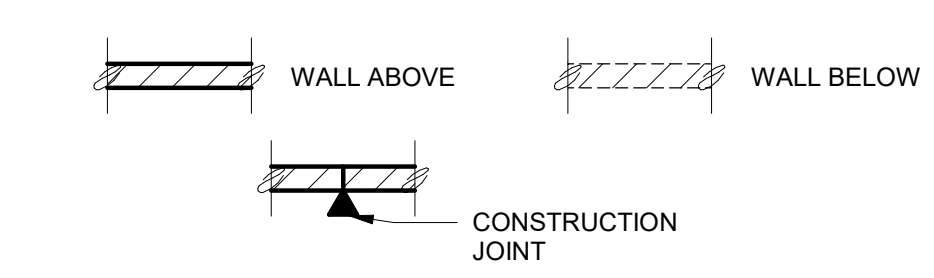
**WOOD / LIGHT GAUGE SYMBOLS LEGEND**

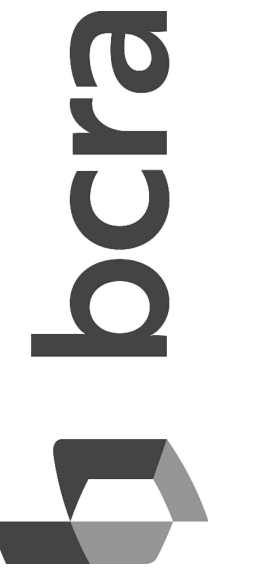


**GENERAL SYMBOLS LEGEND**



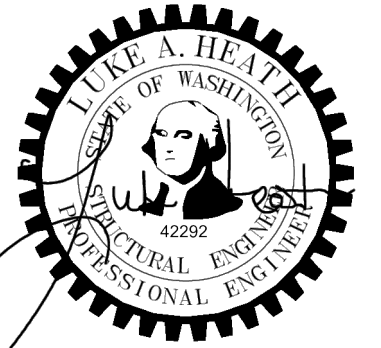
**MASONRY SYMBOLS LEGEND**





T 253.627.4367 F 253.627.4395 WWW.BCRADESIGN.COM  
2109 PACIFIC AVENUE, SUITE 300, TACOMA, WA 98402

SEAL



PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS table with columns for date and description.

DATE: 7.18.2023  
BCRA NO: 19110.00  
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SHEET TITLE

INSPECTION SCHEDULES AND DESIGN CRITERIA



S-003

PERMIT SET

STEEL INSPECTION SCHEDULE

Table with columns: Inspection Task, QC 3.5, QA 4.5. Rows include: INSPECTIONS PRIOR TO WELDING, INSPECTIONS DURING WELDING, INSPECTIONS AFTER WELDING, INSPECTIONS PRIOR TO BOLTING, INSPECTIONS DURING AND AFTER BOLTING, STEEL DECK ELEMENTS.

STEEL INSPECTION SCHEDULE NOTES:

- 1. THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE LOW-STRESS TYPE.
2. WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 INCHES OF THE WELD.
3. QUALITY CONTROL, QC, SHALL BE PROVIDED BY THE FABRICATOR AND ERECTOR.
4. QUALITY ASSURANCE, QA, SHALL BE PROVIDED BY A QUALIFIED INSPECTION AGENCY.
5. "O" - OBSERVE THESE ITEMS ON A RANDOM BASIS, OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
6. ALL INSPECTIONS SHALL BE PER AISC 360-10 SECTION N6.4. REFER TO THAT SECTION FOR ADDITIONAL INFORMATION.

WABO Certified inspections, welders and fabricators are acceptable for Puyallup. Other approval is required for any other than WABO certified credentials.

INSPECTION SCHEDULE

Table with columns: Verification and Inspection, Continuous, Periodic, Comment. Rows include: DRIVEN DEEP FOUNDATION, CONCRETE, MASONRY, SOILS, WOOD.

INSPECTION SCHEDULE NOTES:

- 1. ALL ITEMS MARKED WITH AN "X" SHALL BE INSPECTED IN ACCORDANCE WITH IBC CHAPTER 17 BY A REGISTERED SPECIAL INSPECTOR FROM AN APPROVED TESTING AGENCY. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION RECORDS TO THE ARCHITECT, ENGINEER, CONTRACTOR AND BUILDING OFFICIAL. THE TESTING AGENCY SHALL NOTIFY THE ARCHITECT / ENGINEER IMMEDIATELY OF ANY DISCREPANCIES THAT ARE FOUND.
2. ALL MANUFACTURER DESIGNED AND PREFABRICATED COMPONENTS SHALL CONFORM TO SPECIAL INSPECTION REQUIREMENTS OF CHAPTER 17 OF THE IBC AS DEFINED BY THE REGISTERED PROFESSIONAL ENGINEER RESPONSIBLE FOR DESIGN.
3. SPECIAL INSPECTIONS SHALL NOT BE REQUIRED WHERE THE FABRICATOR IS APPROVED IN ACCORDANCE WITH SECTION 1704.2.5.1 OF THE IBC.
4. PERIODIC SPECIAL INSPECTION IS ACCEPTABLE PROVIDED THE MATERIALS, WELDING PROCEDURES AND QUALIFICATIONS OF WELDERS ARE VERIFIED PRIOR TO THE START OF THE WORK. PERIODIC INSPECTIONS ARE MADE OF THE WORK IN PROGRESS AND A VISUAL INSPECTION OF ALL WELDS IS MADE PRIOR TO COMPLETION OR PRIOR TO SHIPMENT OF SHOP WELDING.
5. WELDING INSPECTION SHALL BE IN COMPLIANCE WITH AWS D1.1.
6. CONTINUOUS INSPECTION SHALL BE PERFORMED FOR APPLICATION OF PRESTRESSING FORCES AND GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC FORCE RESISTING SYSTEM.
7. PERIODIC INSPECTION SHALL BE PERFORMED FOR THE VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.
8. PERIODIC INSPECTION OF REINFORCING WELDING IS ACCEPTABLE WHEN IT IS NOT RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND NOT USED FOR BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEARWALLS AND NOT USED AS SHEAR REINFORCEMENT.
9. LEVEL 1 SPECIAL INSPECTIONS. LEVEL 2 SPECIAL INSPECTIONS ARE REQUIRED FOR ESSENTIAL FACILITIES PER TABLE 1604.5 OF THE IBC. IN ADDITION TO LEVEL 1 SPECIAL INSPECTIONS, LEVEL 2 SPECIAL INSPECTIONS REQUIRE CONTINUOUS INSPECTION OF THE GROUT SPACE PRIOR TO GROUTING AND ANCHORAGES.
10. STRUCTURAL OBSERVATIONS SHALL BE PERFORMED BY THE STRUCTURAL ENGINEER OF RECORD OR REGISTERED DESIGN PROFESSIONAL IN ACCORDANCE WITH SECTION 1704.6 OF THE IBC. STRUCTURAL OBSERVATION WILL BE PERFORMED FOR GENERAL CONFORMANCE TO THE CONSTRUCTION DOCUMENTS AT SIGNIFICANT CONSTRUCTION STAGES. REPORTS SHALL BE PREPARED FOR EACH SITE VISIT AND DISTRIBUTED TO THE ARCHITECT.
11. VERIFICATION OF MATERIAL PROPERTIES, GRADE, TYPE AND SIZE IS REQUIRED.
12. CONTRACTOR TO PROVIDE A PLAN FOR COLD AND HOT WEATHER PLACEMENT OF CONCRETE OR MASONRY AND THE SPECIAL INSPECTOR IS TO PERFORM PERIODIC INSPECTION TO PROVIDE VERIFICATION FOR THE NEED TO IMPLEMENT SUCH PLANS.
13. ONLY ELEMENTS THAT ARE PART OF THE SEISMIC FORCE RESISTING SYSTEM SHALL BE REQUIRED TO BE INSPECTED. SPECIAL INSPECTIONS ARE NOT REQUIRED FOR WOOD SHEARWALLS, SHEAR PANELS, AND DIAPHRAGMS, INCLUDING NAILING, BOLTING ANCHORING, AND OTHER FASTENING TO OTHER ELEMENTS OF THE SEISMIC FORCE RESISTING SYSTEM, WHERE THE FASTENER SPACING OF THE SHEATHING IS MORE THAN 4"OC.

DESIGN CRITERIA

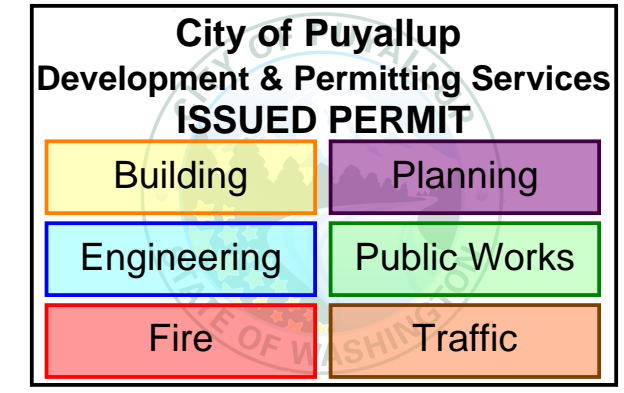
STRUCTURAL DESIGN IS BASED ON THE INTERNATIONAL BUILDING CODE (IBC), 2018 EDITION

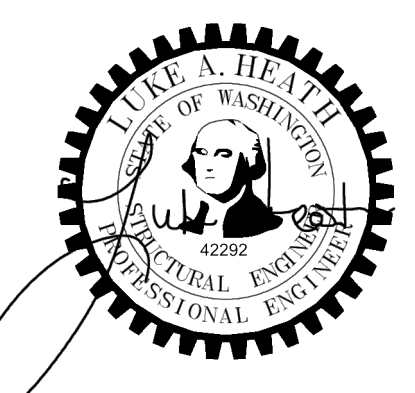
Table with columns: GRAVITY DESIGN LOADS, LATERAL DESIGN LOADS, SEISMIC. Rows include: ROOF LIVE, ROOF DEAD, ROOF SNOW, WIND, RISK CATEGORY, INTERNAL PRESSURE, EXPOSURE, IMPORTANCE FACTOR, etc.

SOIL: SOIL DESIGN INFORMATION ASSUMED. ALLOWABLE SOIL BEARING PRESSURE EQUALS 1500 PSF (ON COMPACTED STRUCTURAL GRAVEL FILL) OR NATIVE SOIL.

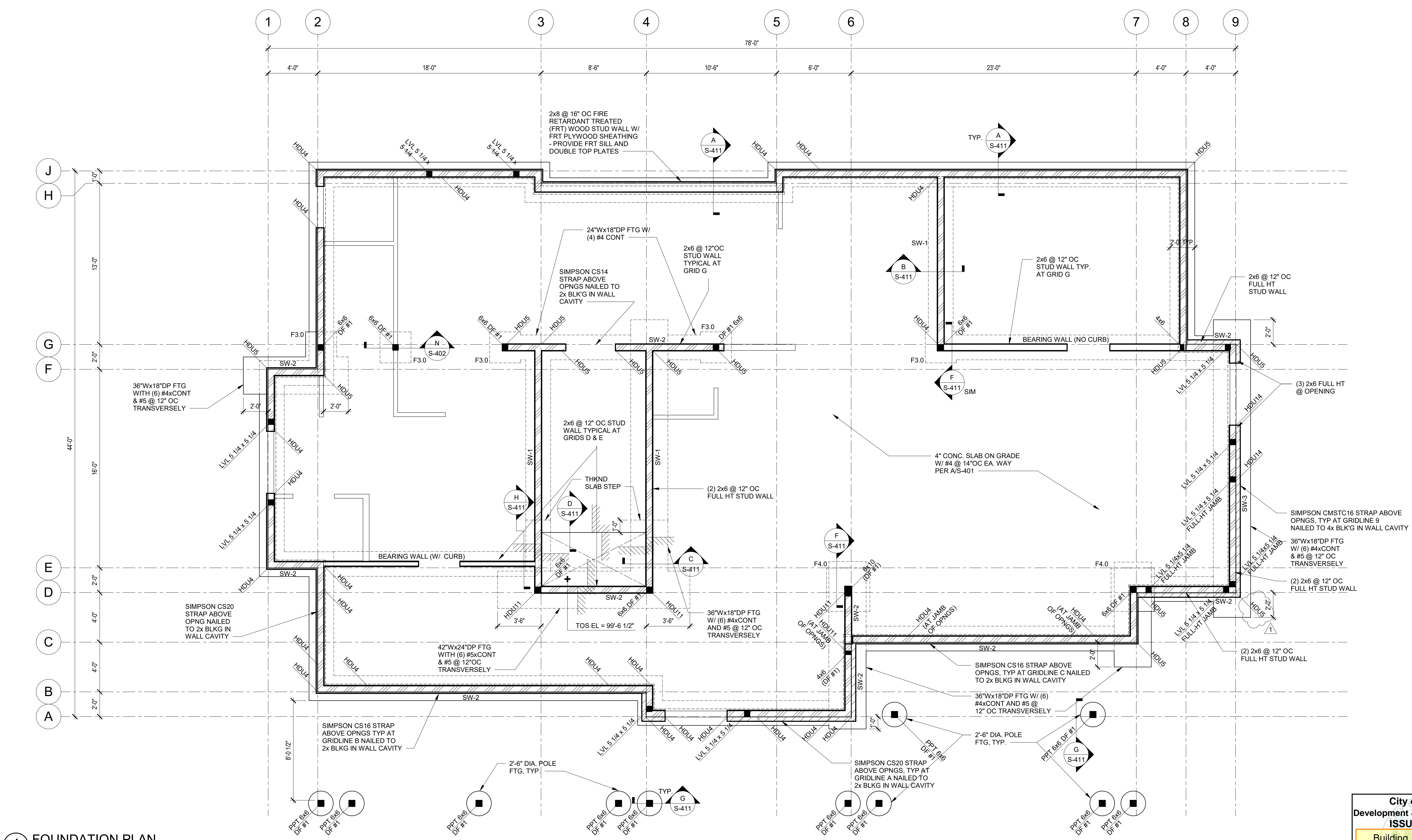
COMPONENTS AND CLADDING ULTIMATE WIND LOADS table with columns: LOCATION, ZONE, DESIGN WIND LOAD p (psf).

- NOTES:
1. LOADS ARE BASED ON ULTIMATE WIND SPEED. REFER TO DESIGN CRITERIA FOR WIND SPEED.
2. FOR ALLOWABLE LOADS, MULTIPLY TABLE VALUES BY 0.6 AS ALLOWED BY APPROPRIATE CODE LOAD COMBINATIONS.
3. LINEAR INTERPOLATION IS ALLOWED FOR AREAS BETWEEN VALUES SHOWN.
4. PRESSURES ARE BASED ON MEAN ROOF HEIGHT OF 20'-0".





- NOTES:
- SEE S4.01, S4.02, AND S8.01 FOR TYPICAL DETAILS.
  - TOP OF FOOTING ELEVATIONS AT 99'-0", UNLESS NOTED OTHERWISE.
  - TOP OF SLAB ELEVATION AT 100'-0", UNLESS NOTED OTHERWISE. ELEVATIONS ARE RELATIVE, SEE CIVIL FOR ACTUAL FINISH FLOOR ELEVATIONS.
  - ALL EXTERIOR WALLS TO BE SW-1, UNLESS NOTED OTHERWISE.
  - TYPICAL EXTERIOR FOOTING 24"x12" DEEP WITH (4) #4xCONTINUOUS.
  - WALL FRAMING TO BE OF NO. 2 OR HF NO. 1 2x6 @ 16"OC, TYPICAL, UNLESS NOTED OTHERWISE.
  - SLAB ON GRADE TO BE 4" CONCRETE WITH #4 @ 24"OC EACH WAY.
  - SLAB ON GRADE TO BE SUPPORTED BY A MINIMUM OF 12 INCH PROPERLY COMPACTED FILL WITH A MINIMUM 4 INCH THICK CAPILARY BREAK CONSISTING OF FREE-DRAINING, CRUSHED ROCK OR WELL-GRADED GRAVEL PER GEOTECHNICAL RECOMMENDATIONS.
  - FOR SPREAD FOOTING SCHEDULE SEE MIS-402



1 FOUNDATION PLAN  
1/4" = 1'-0"

City of Puyallup  
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Engineering	Public Works
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PROJECT:  
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**TACO TIME**  
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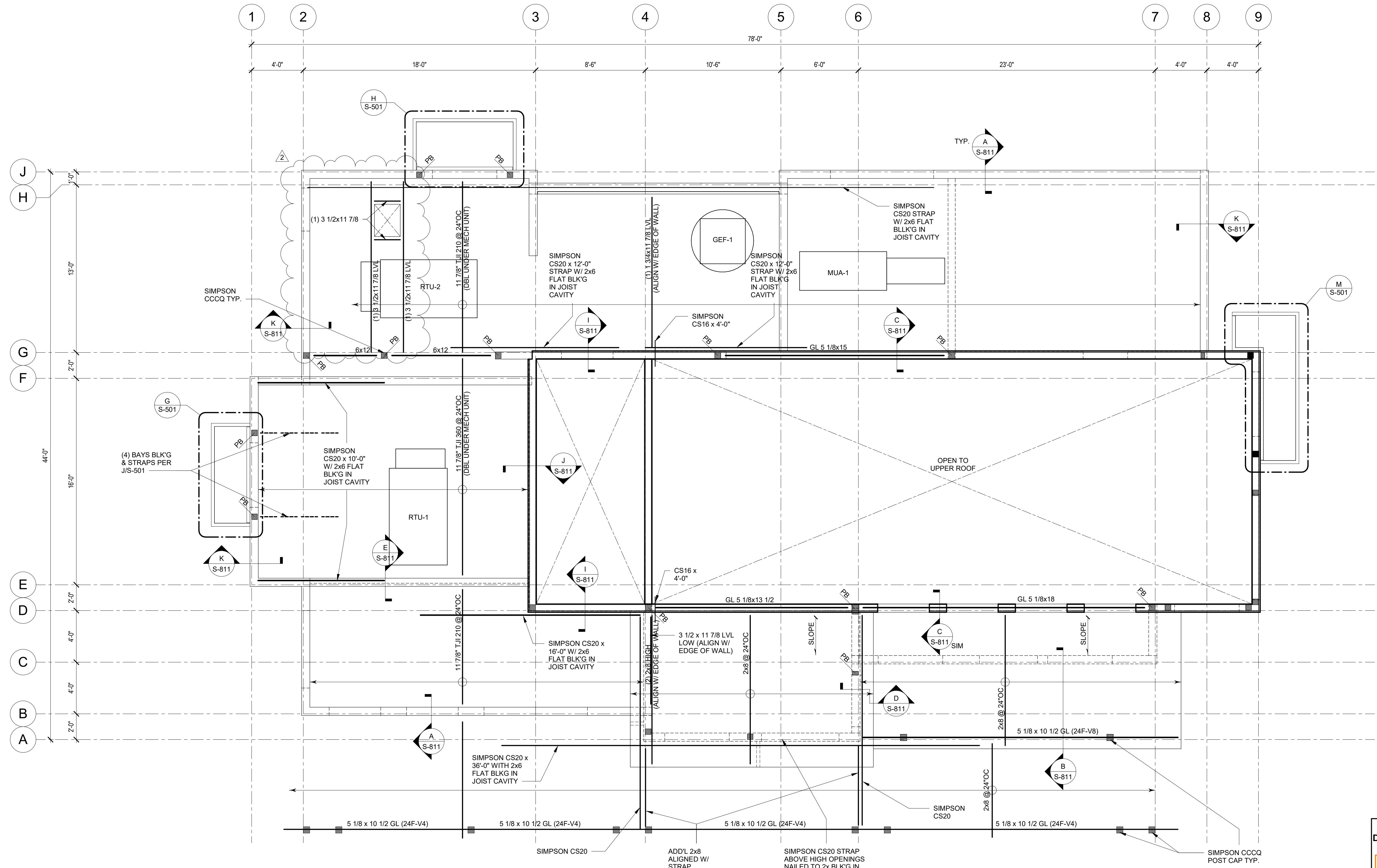
REVISIONS

1	ADDENDUM #1	2023.12.22
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DATE:  
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19110.00  
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REVIEWED BY:  
SHEET TITLE  
FOUNDATION PLAN



- NOTES:**
- SEE S4.01, S4.02, AND S8.01 FOR TYPICAL DETAILS.
  - 19/32" APA RATED SHEATHING TYPICAL FOR ROOF SHEATHING, NAIL WITH 8d @ 6"OC AT PANEL EDGES AND 12"OC IN THE FIELD.
  - SEE ARCHITECTURAL DRAWINGS FOR TOP PLATE ELEVATIONS.
  - TYPICAL HEADERS TO BE (2) 2x12 FOR OPENINGS UP TO 8'-0". (1) 4x12 ACCEPTABLE.
  - SEE ARCH FOR PLATE HEIGHT.
  - BLOCK BELOW SIMPSON CHORD STRAPS WITH 2x FLAT UNO.



**1 LOWER ROOF FRAMING PLAN**  
1/4" = 1'-0"

**PROJECT:**  
NEW CONSTRUCTION  
**TACO TIME**  
EAST MAIN STREET  
PUYALLUP, WA 98372

**REVISIONS**

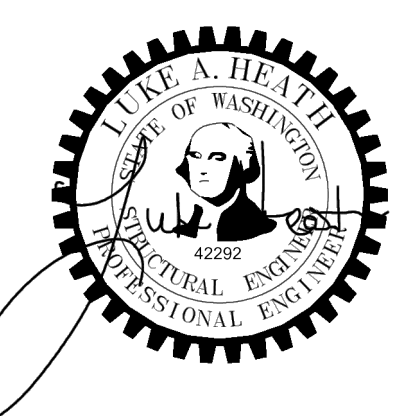
2	ADDENDUM #2	2024.03.04
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**DATE:** 7.18.2023  
**BCRA NO:** 19110.00  
**DRAWN BY:** Author  
**REVIEWED BY:**  
**SHEET TITLE:** LOWER ROOF FRAMING PLAN

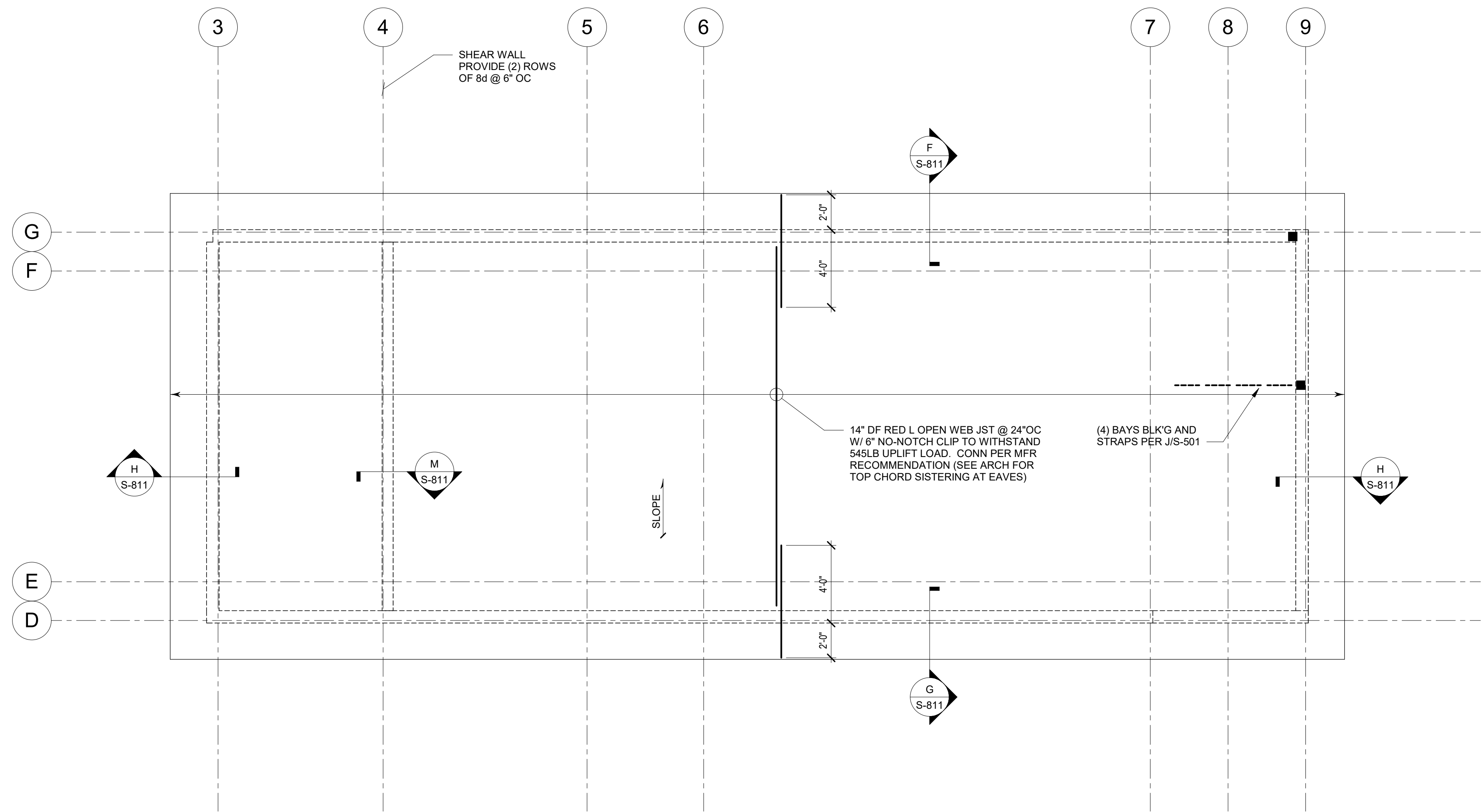
**City of Puyallup**  
Development & Permitting Services  
**ISSUED PERMIT**

Building	Planning
Engineering	Public Works
Fire	Traffic

SEA



- NOTES:**
1. SEE S4.01, S4.02, AND S8.01 FOR TYPICAL DETAILS.
  2. 19/32" APA RATED SHEATHING TYPICAL FOR ROOF SHEATHING, NAIL WITH 8d @ 6" OC AT PANEL EDGES AND 12" OC IN THE FIELD.
  3. SEE ARCHITECTURAL DRAWINGS FOR TOP PLATE ELEVATIONS.
  4. TYPICAL HEADERS TO BE (2) 2x12 FOR OPENINGS UP TO 8'-0". (1) 4x12 ACCEPTABLE.
  5. SEE ARCH FOR PLATE HEIGHT.
  6. BLOCK BELOW SIMPSON CHORD STRAPS WITH 2x FLAT UNO.



**1** UPPER ROOF FRAMING PLAN  
1/4" = 1'-0"

**City of Puyallup**  
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Engineering	Public Works
Fire	Traffic

**PROJECT:**  
NEW CONSTRUCTION  
**TACO TIME**  
EAST MAIN STREET  
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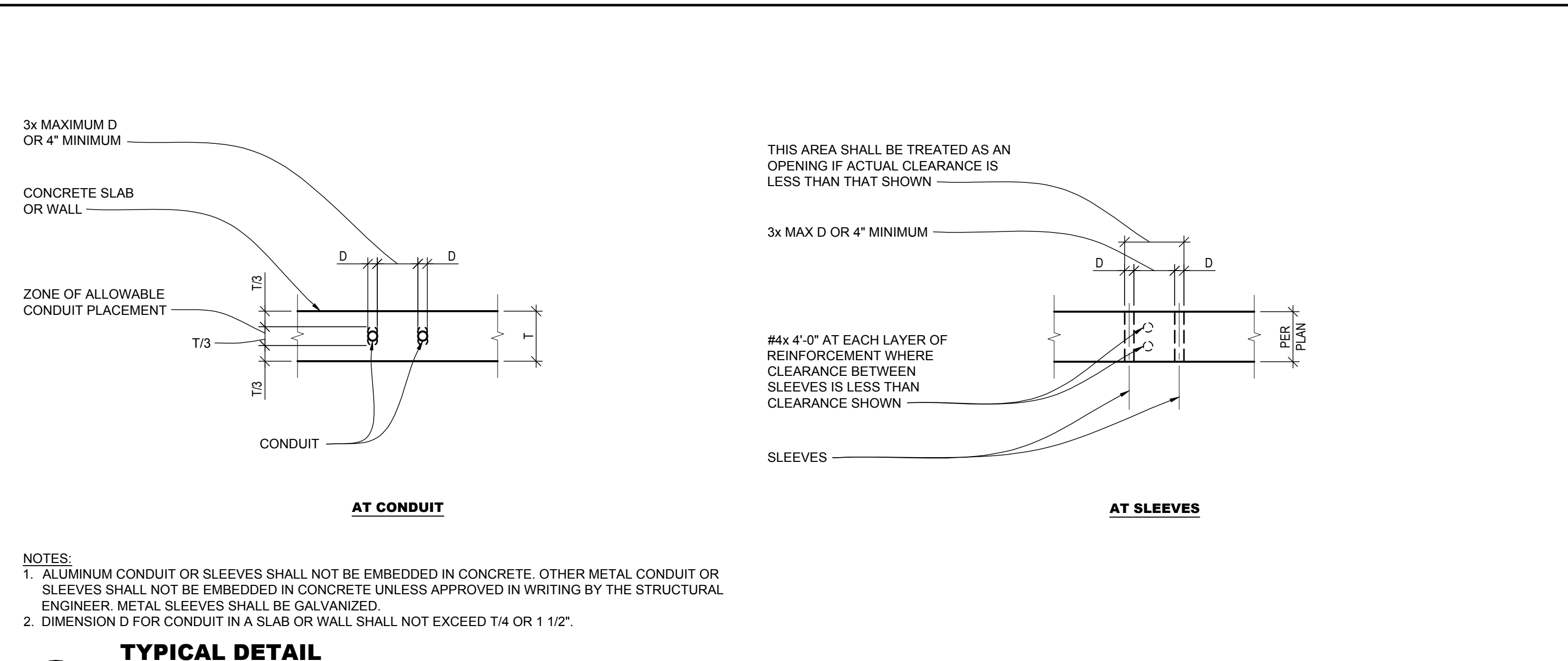
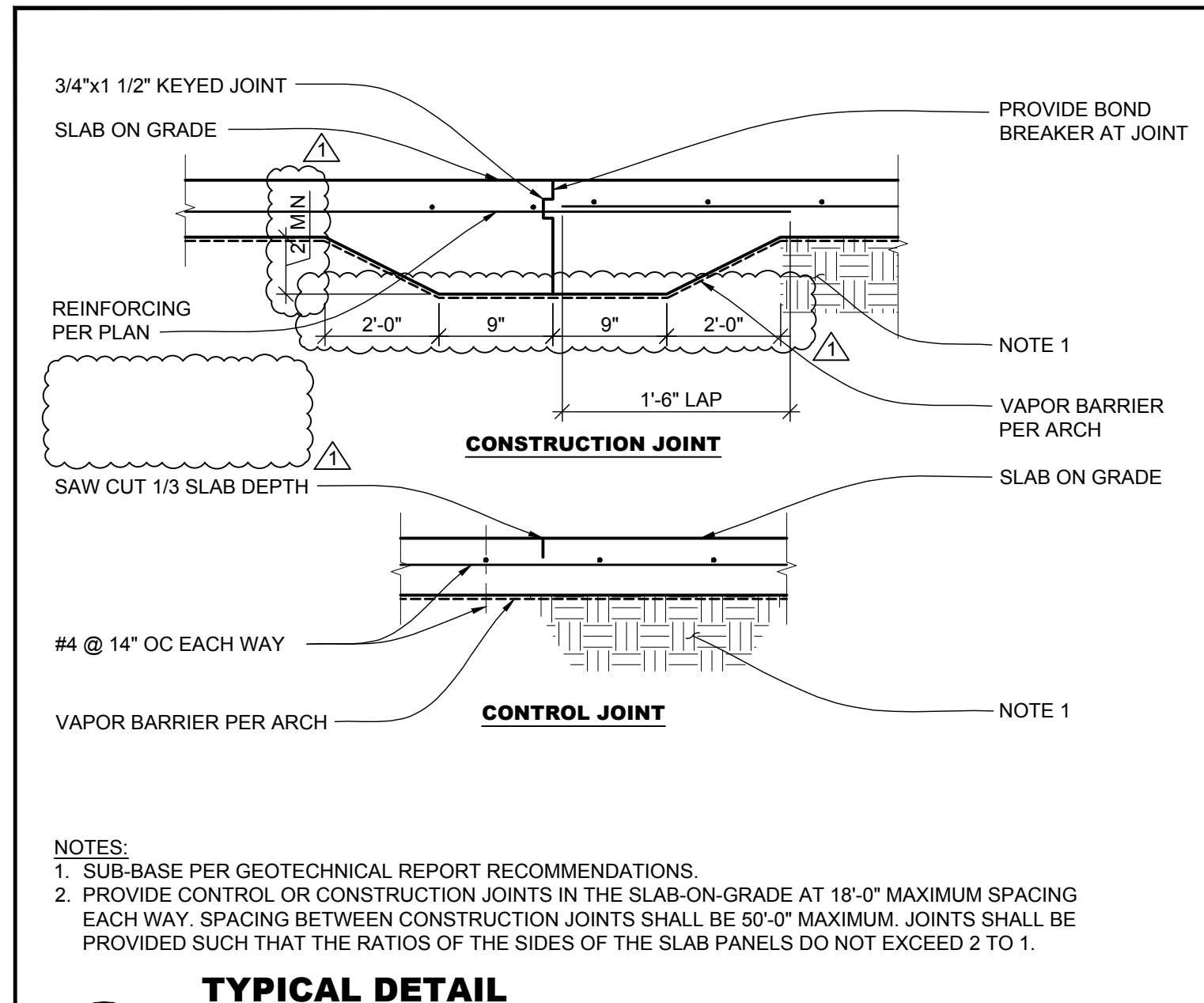
**REVISIONS**

NO.	DESCRIPTION

**DATE:** 7.18.2023  
**BCRA NO:** 19110.00  
**DRAWN BY:** Author  
**REVIEWED BY:**  
**SHEET TITLE:** UPPER ROOF FRAMING PLAN

**City of Puyallup**  
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Building	Planning
Engineering	Public Works
Fire	Traffic



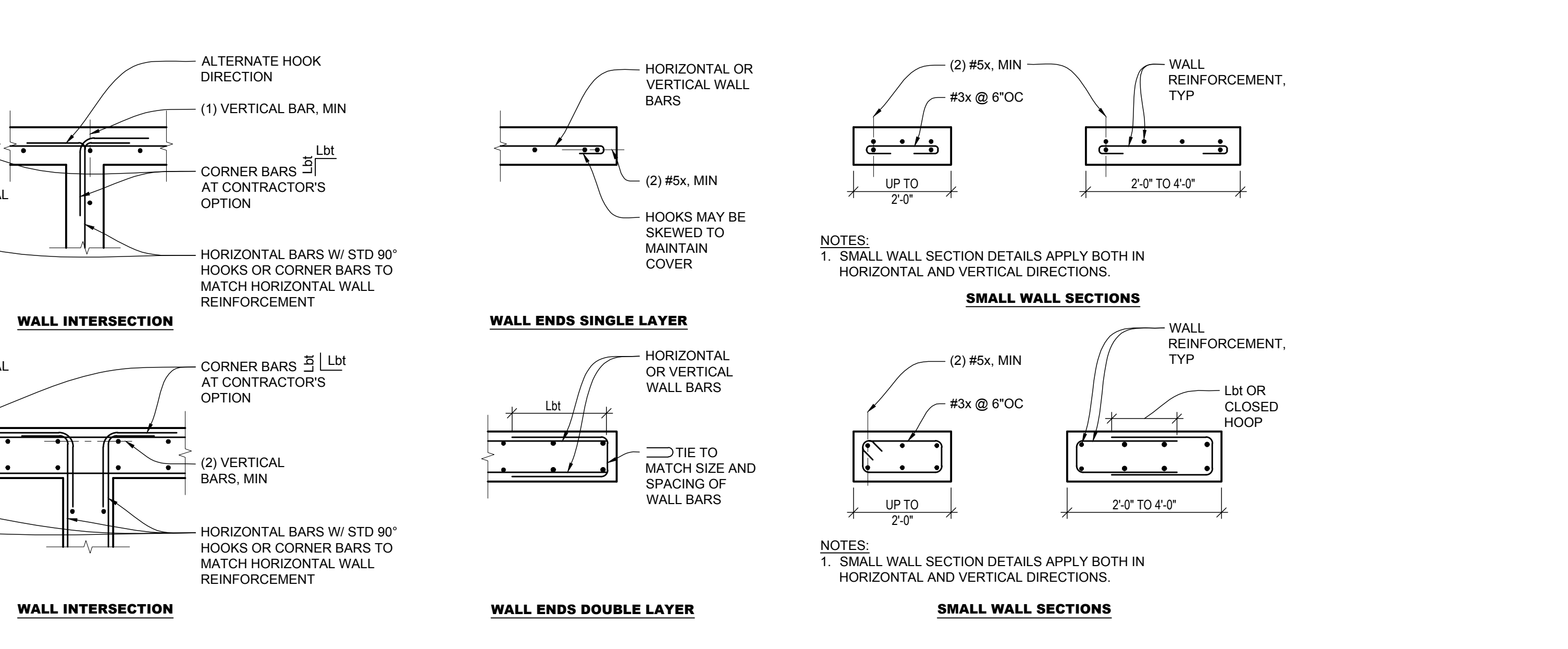
**A**  
**TYPICAL DETAIL**  
**SLAB ON GRADE**  
SCALE: NTS

**B**  
**TYPICAL DETAIL**  
**CONDUIT AND SLEEVES IN CONCRETE SLAB OR WALL**  
SCALE: NTS

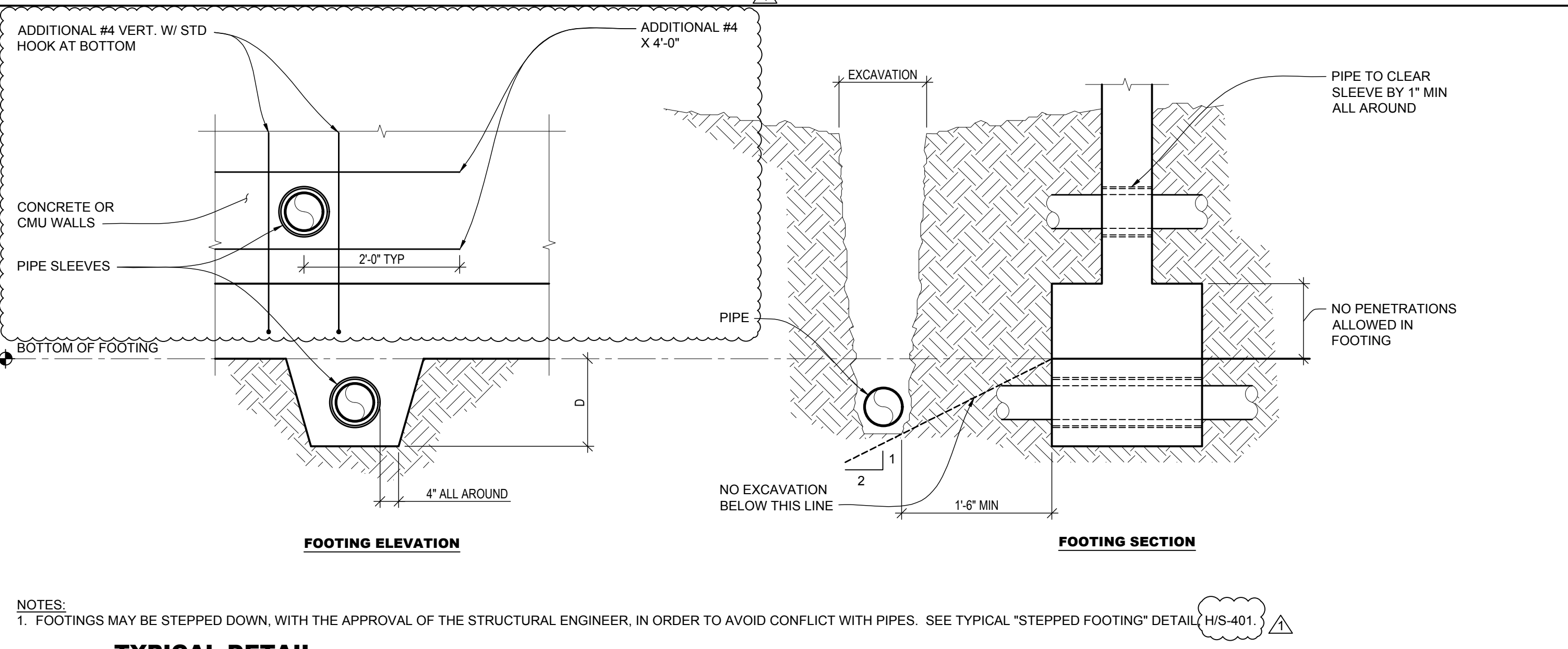
**MINIMUM WALL REINFORCEMENT**

WALL THICKNESS	HORIZ BARS	VERT BARS	LOCATION
6" & UNDER	#4x @ 13	#4x @ 13	CENTERLINE
OVER 6-8"	#5x @ 15	#5x @ 15	CENTERLINE
OVER 8-10"	#5x @ 12	#5x @ 12	CENTERLINE
OVER 10-12"	#4x @ 12	#4x @ 12	EACH FACE
OVER 12-14"	#5x @ 18	#5x @ 18	EACH FACE
OVER 14-16"	#5x @ 15	#5x @ 15	EACH FACE
OVER 16-18"	#5x @ 12	#5x @ 12	EACH FACE

**NOTES:**  
1. UNLESS NOTED OR SHOWN OTHERWISE, ALL WALLS ARE TO BE REINFORCED WITH MINIMUM REINFORCEMENT AS SHOWN IN THE FOLLOWING TABLE.  
2. LAP WALL AT SPLICES Lbt.  
3. ALL VERTICAL REINFORCEMENT IN CONCRETE SHALL BE CONTINUOUS FROM STRUCTURAL FLOOR TO STRUCTURAL FLOOR, OR FROM FOOTING TO FIRST STRUCTURAL FLOOR ABOVE, UNLESS NOTED OTHERWISE.  
4. START HORIZONTAL AND VERTICAL BARS 1-INCH CLEAR OF EDGE OF OPENINGS. SPACE REINFORCEMENT BARS AT EQUAL SPACES NOT TO EXCEED REQUIRED SPACING.  
5. REFER TO DEVELOPMENT LENGTH AND LAP SPLICE TABLES FOR VALUE OF Ld, Lbt.  
6. SPLICES IN HORIZONTAL REINFORCEMENT SHALL BE STAGGERED. SPLICES IN TWO CURTAINS WHERE USED SHALL NOT OCCUR IN THE SAME LOCATION, UNLESS NOTED OTHERWISE.



**E**  
**TYPICAL DETAIL**  
**CONCRETE WALL REINFORCEMENT**  
SCALE: NTS



**J**  
**TYPICAL DETAIL**  
**PIPES AND TRENCHES AT FOOTING**  
SCALE: NTS

**CONCRETE STRENGTH Fc (psi)**

BAR SIZE	3000			4000			5000			6000						
	Ld (inches)	Lb (inches)	Lbt (inches)	Ld (inches)	Lb (inches)	Lbt (inches)	Ld (inches)	Lb (inches)	Lbt (inches)	Ld (inches)	Lb (inches)	Lbt (inches)				
#3x	17	22	28	9	15	19	25	8	13	17	22	7	12	16	20	6
#4x	22	29	38	11	19	25	33	10	17	23	29	9	16	21	27	8
#5x	28	36	47	14	24	31	41	12	22	28	36	11	20	26	33	10
#6x	33	43	56	17	29	37	49	15	26	34	44	13	24	31	40	12
#7x	48	63	81	20	42	54	71	17	38	49	63	15	34	45	58	14
#8x	55	72	93	22	48	62	81	19	43	56	72	17	39	51	66	16
#9x	62	81	105	25	54	70	91	22	48	63	81	20	44	57	74	18
#10x	70	91	118	28	61	79	102	25	54	71	92	22	50	64	84	20
#11x	78	101	131	31	67	87	114	27	60	78	102	24	55	71	93	22

**L**  
**TYPICAL DETAIL**  
**DEVELOPMENT LENGTH (Ld) AND TENSION LAP SPLICE (Lb OR Lbt)**  
SCALE: NTS

**LAP SPLICE LEGEND**

db = BAR DIAMETER  
Ld = BOTTOM BAR DEVELOPMENT LENGTH  
Lbt = TOP BAR DEVELOPMENT LENGTH  
Lb = BOTTOM BAR LAP SPLICE LENGTH  
Lbt = TOP BAR LAP SPLICE LENGTH  
Ldh = HOOKED BAR DEVELOPMENT LENGTH

**NOTES:**  
1. A TOP BAR IS A HORIZONTAL BAR WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW IT.  
2. FOR BEAMS AND COLUMNS WHERE CLEAR COVER IS LESS THAN db OR CLEAR SPACING IS LESS THAN db, MULTIPLY VALUES IN TABLE BY 1.5.  
3. FOR WALLS AND SLABS WHERE CLEAR COVER IS LESS THAN db OR CLEAR SPACING IS LESS THAN 2db, MULTIPLY VALUES IN TABLE BY 1.5.  
4. FOR SPLICING OF DIFFERENT REINFORCEMENT SIZES, USE VALUES FOR SMALLER REINFORCEMENT.  
5. FOR #14x AND #18x BAR USE MECHANICAL COUPLERS.  
6. MECHANICAL COUPLERS MAY BE USED IN LIEU OF LAP SPLICES, AT CONTRACTORS OPTION.

PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
EAST MAIN STREET  
PUYALLUP, WA 98372

**REVISIONS**

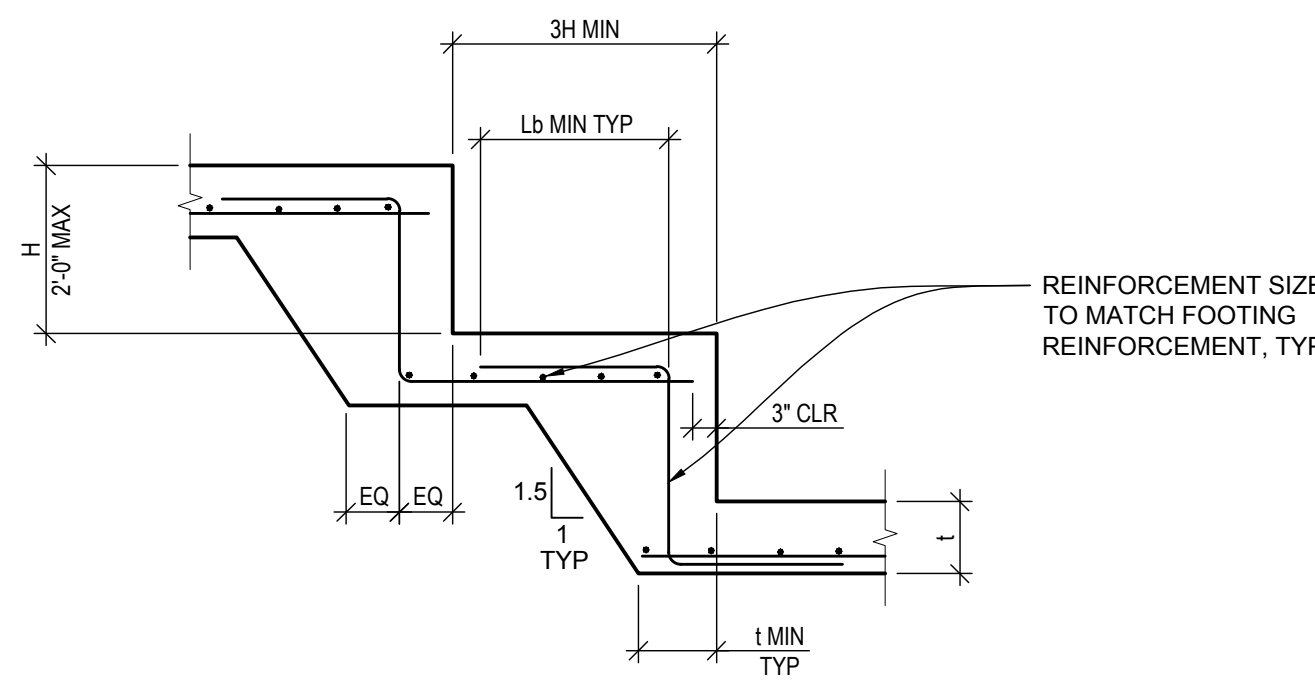
1	ADDENDUM #1	2023.12.22
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DATE:  
7.18.23  
RCN NO:  
19110.00  
DRAWN BY:  
DESIGNED BY:  
REVIEWED BY:  
SHEET TITLE:  
**TYPICAL CONCRETE DETAILS**

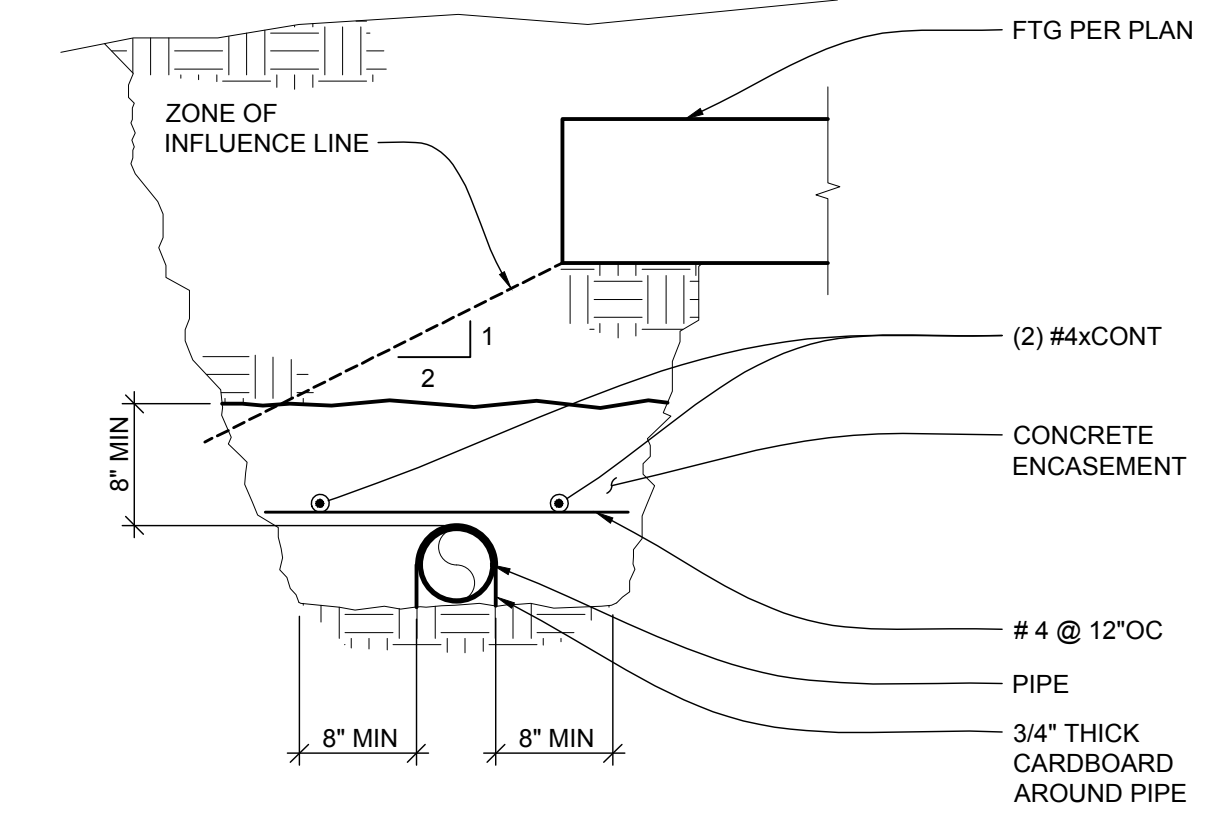
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**City of Puyallup**  
Development & Permitting Services  
**ISSUED PERMIT**

Building	Planning
Engineering	Public Works
Fire	Traffic



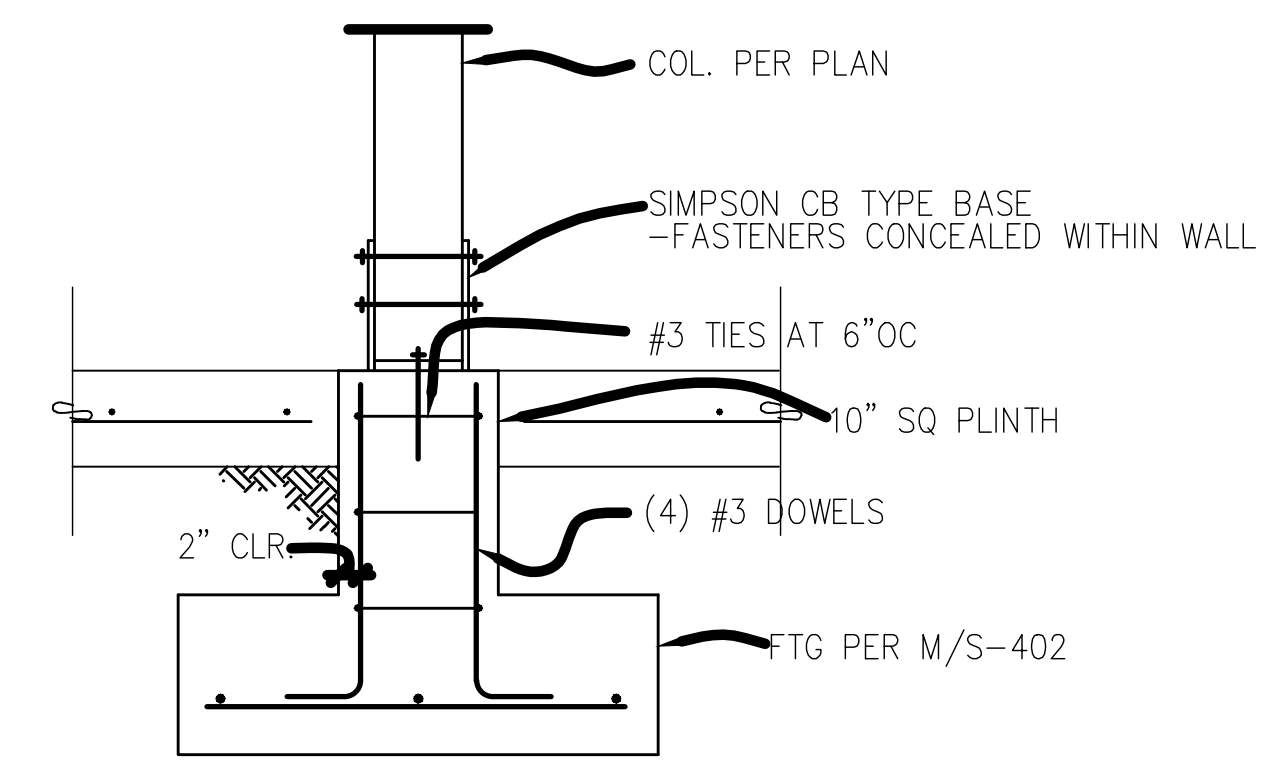
See Detail L on sheet S-401 for Lap Splice (Lb) lengths.



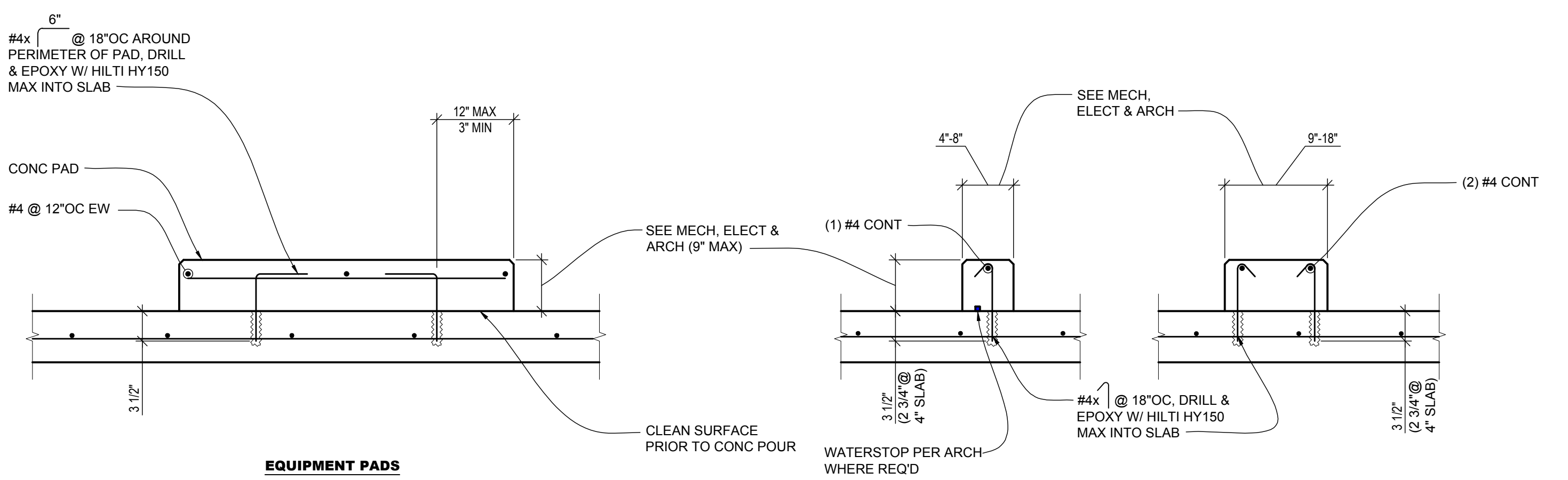
- NOTES:**
- WHERE PIPES OCCUR WITHIN THE ZONE OF INFLUENCE OF THE FOOTING, ENCASE PIPE AS SHOWN. CONTRACTOR TO COORD AND VERIFY FINAL PIPE RUNS AND PROXIMITY TO FOOTINGS.
  - PIPES OCCURRING WITHIN THE ZONE OF INFLUENCE SHALL BE INSTALLED AND ENCASED PRIOR TO PLACING FOOTINGS OR CONTRACTOR SHALL UNDERPIN OR OTHERWISE SHORE THE FOOTINGS DURING PIPE INSTALLATION.
  - ENCASEMENT SHALL BE PROVIDED OVER THE ENTIRE LENGTH OF PIPE WITHIN THE ZONE OF INFLUENCE, UNLESS EXTENTS ARE SHOWN ON PLAN.

**C** **TYPICAL DETAIL STEPPED FOOTING**  
SCALE: NTS

**D** **TYPICAL DETAIL PIPES BELOW FOOTING DETAIL**  
SCALE: NTS



**N** **SPREAD FOOTING SECTION**  
NO SCALE

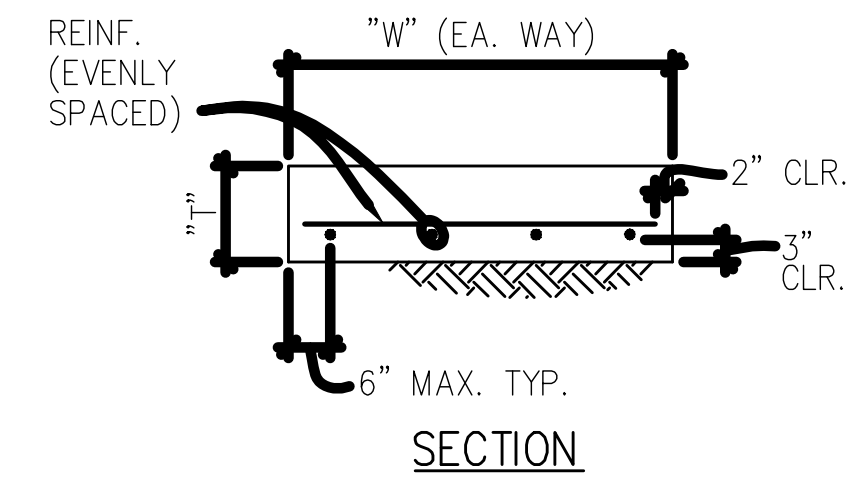


Special Inspection required for Hilti anchors. Please see Hilti's product specifications for requirements and details.

- NOTES:**
- EQUIPMENT PAD SIZE TO BE 6" LARGER THAN EQUIPMENT IN EACH DIRECTION, UNLESS NOTED OTHERWISE.
  - COORDINATE EXACT SIZE AND LOCATION OF CURB AND PADS WITH EQUIPMENT PROVIDED.

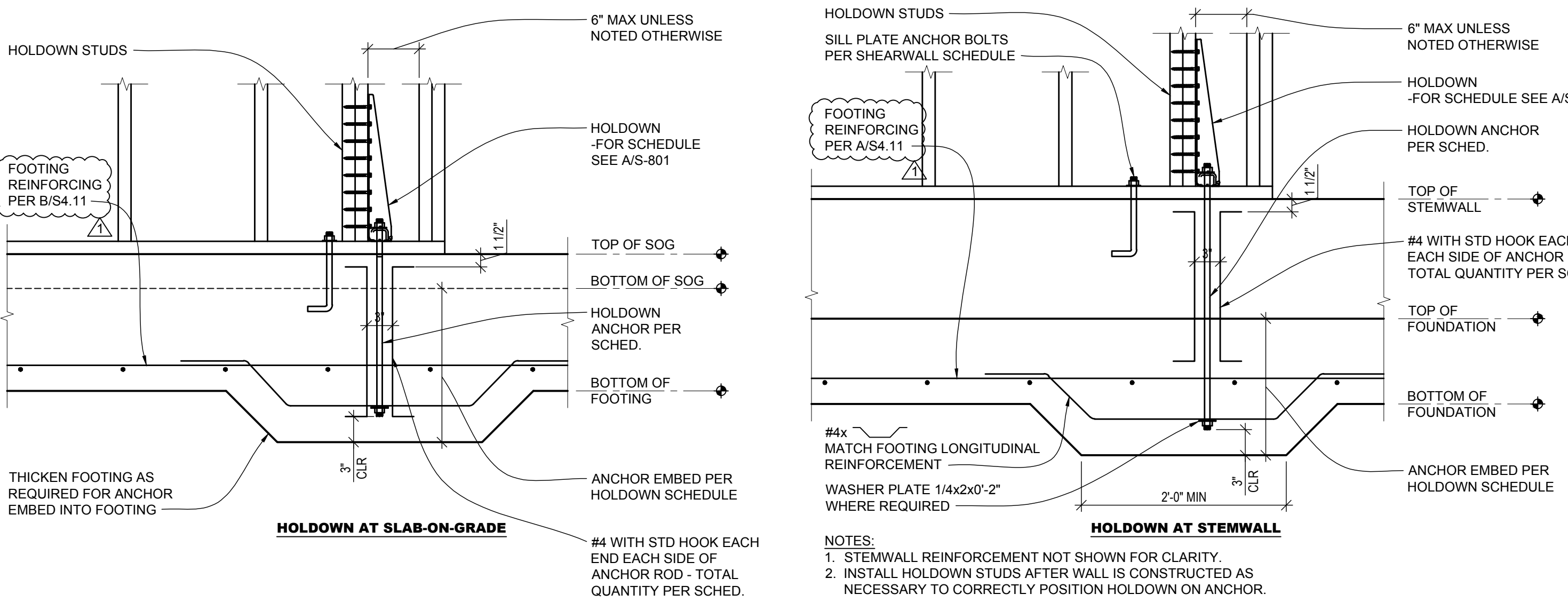
**G** **TYPICAL DETAIL CURBS AND PADS ON CONCRETE SLABS**  
SCALE: NTS

MARK	DIMENSIONS		REINF. EA. WAY
	"W"	"T"	
F3.0	3'-0"	1'-0"	(4) #4
F4.0	4'-0"	1'-0"	(6) #4



- NOTES:**
- CENTER ALL FOOTINGS ON COLUMN ABOVE EXCEPT AS SHOWN OTHERWISE.
  - FOOTINGS SHALL BEAR ON UNDISTURBED OR COMPACTED MATERIAL, SEE GENERAL NOTES. DESIGN BEARING PRESSURE IS 1500 PSF.

**M** **TYPICAL CONCRETE SPREAD FOOTING DETAILS SECTION**  
NO SCALE



- NOTES:**
- STEMWALL REINFORCEMENT NOT SHOWN FOR CLARITY.
  - INSTALL HOLDOWN STUDS AFTER WALL IS CONSTRUCTED AS NECESSARY TO CORRECTLY POSITION HOLDOWN ON ANCHOR.

**L** **TYPICAL DETAIL HOLDDOWN**  
SCALE: NTS

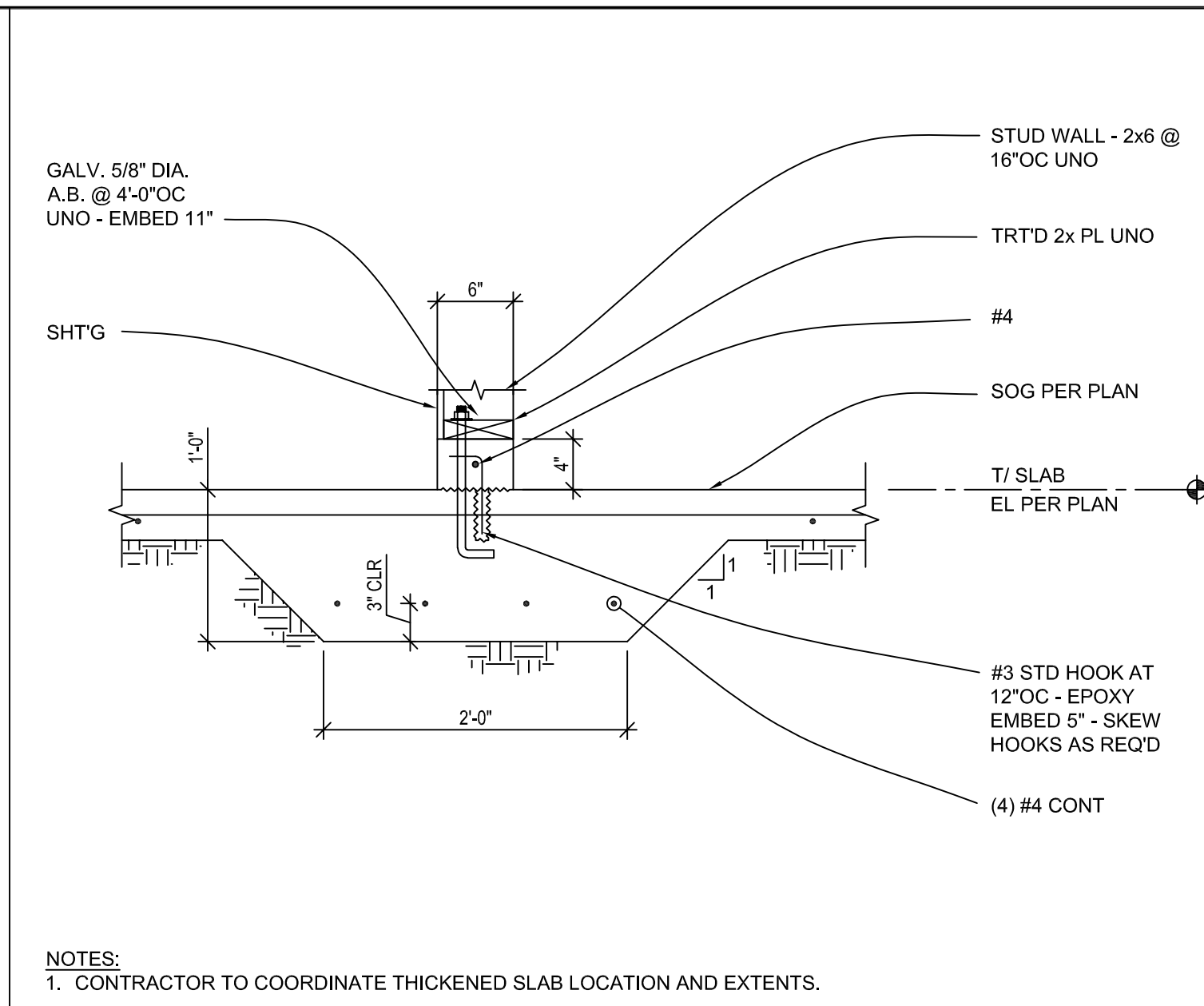
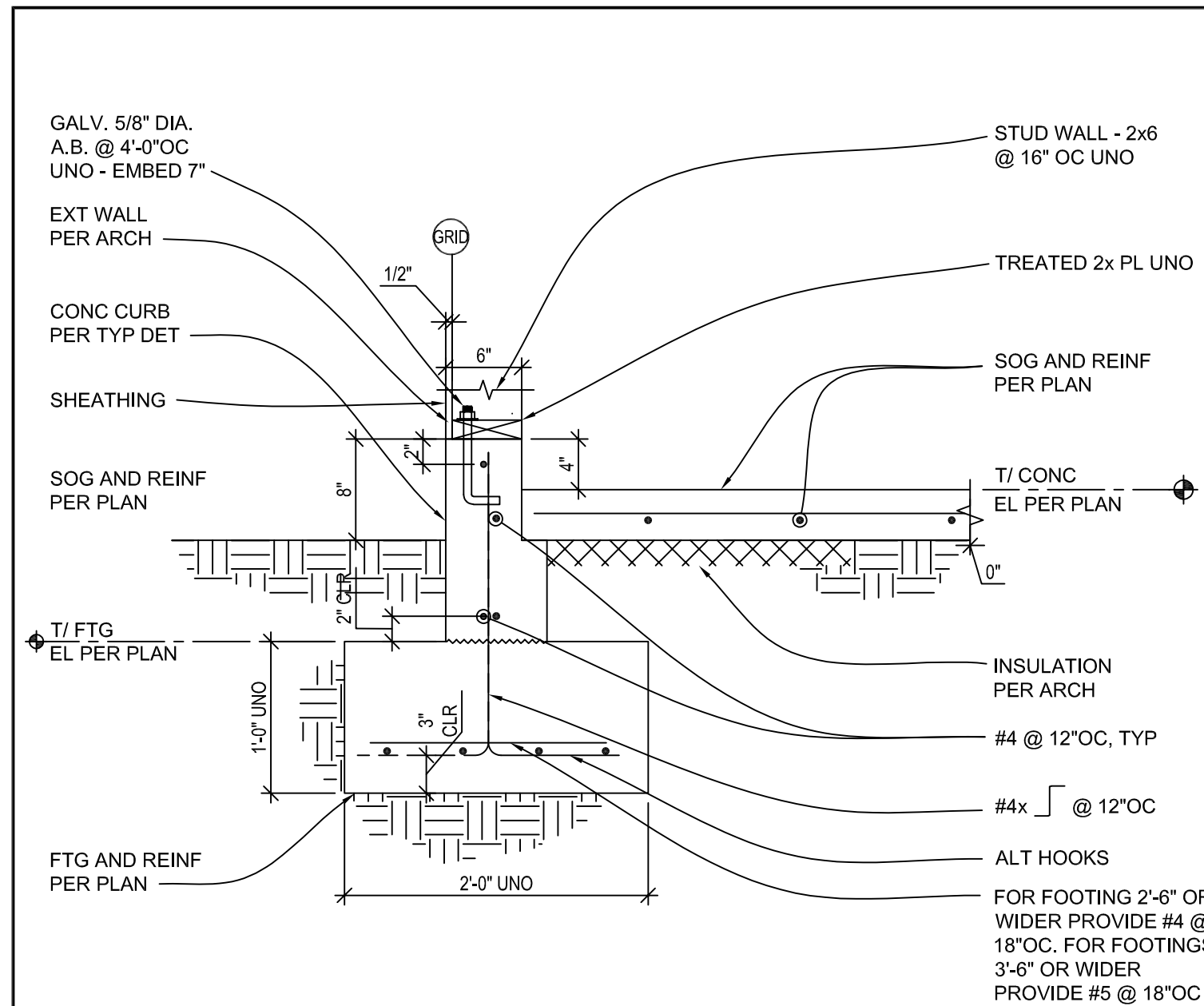
PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS

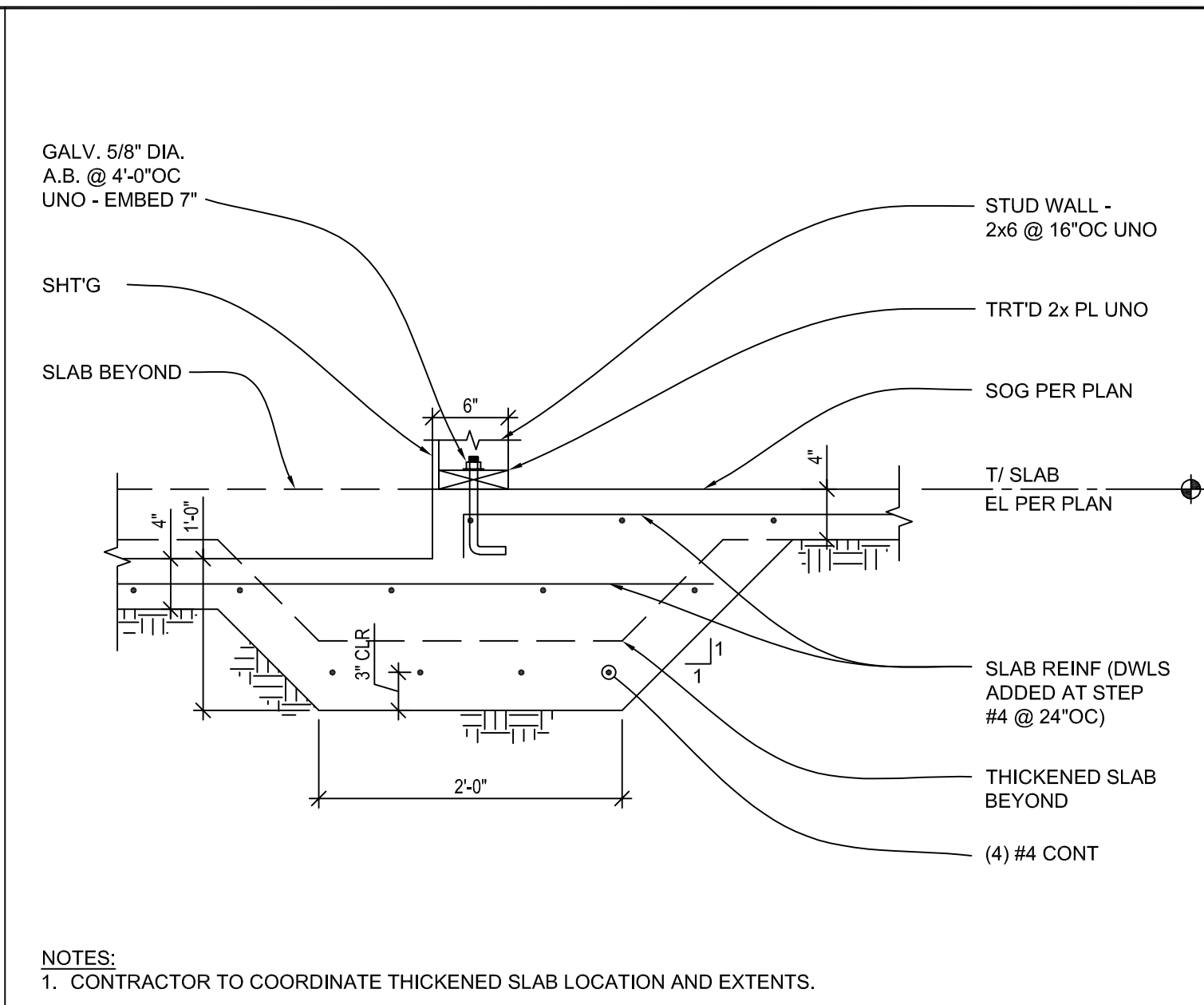
1	ADDENDUM #1	2023.12.22
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DATE: 7.18.23  
RCS# NO: 19110.00  
DRAWN BY: DESIGNED BY:  
REVIEWED BY:  
SHEET TITLE: TYPICAL CONCRETE DETAILS

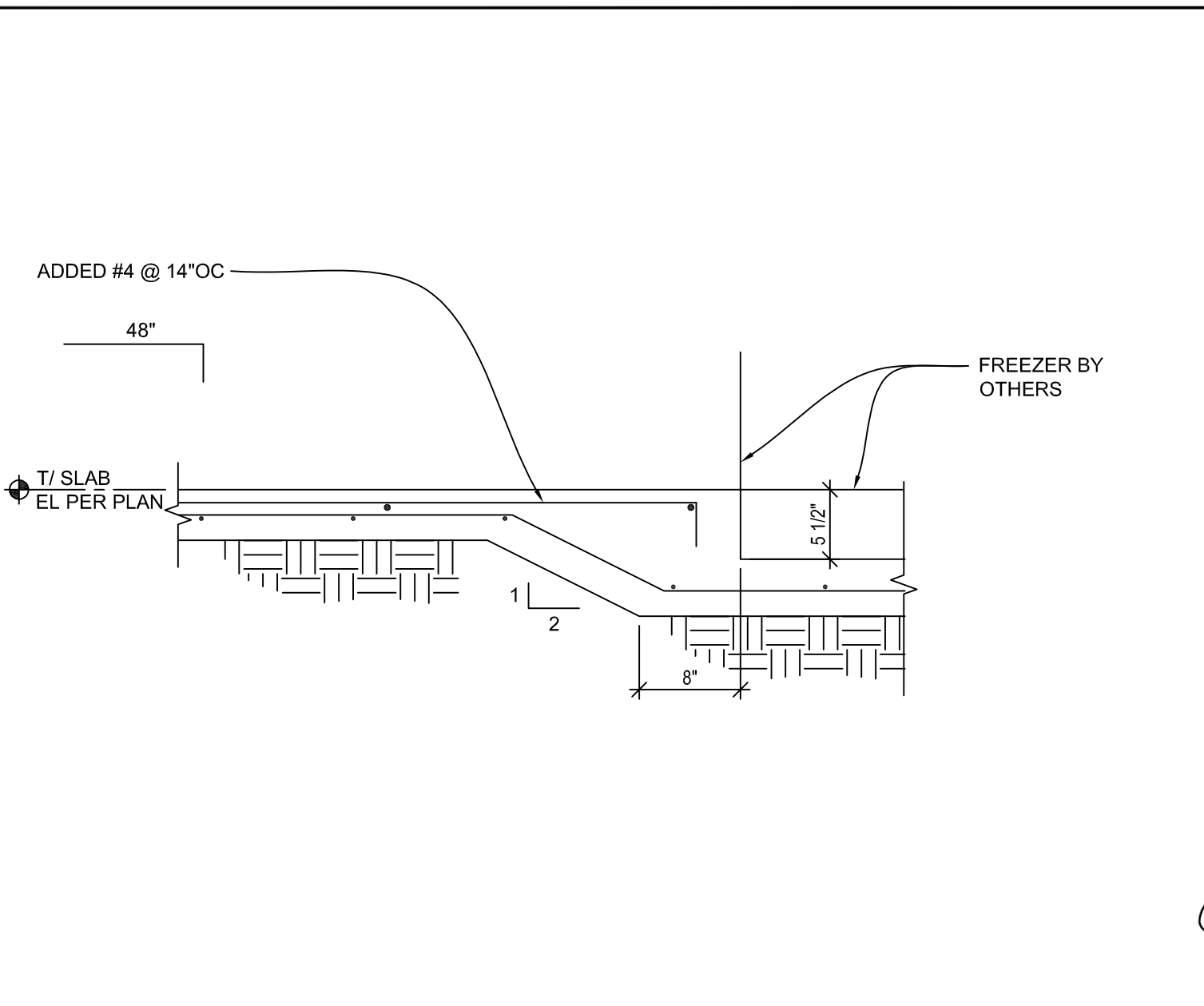




NOTES:  
1. CONTRACTOR TO COORDINATE THICKENED SLAB LOCATION AND EXTENTS.



NOTES:  
1. CONTRACTOR TO COORDINATE THICKENED SLAB LOCATION AND EXTENTS.

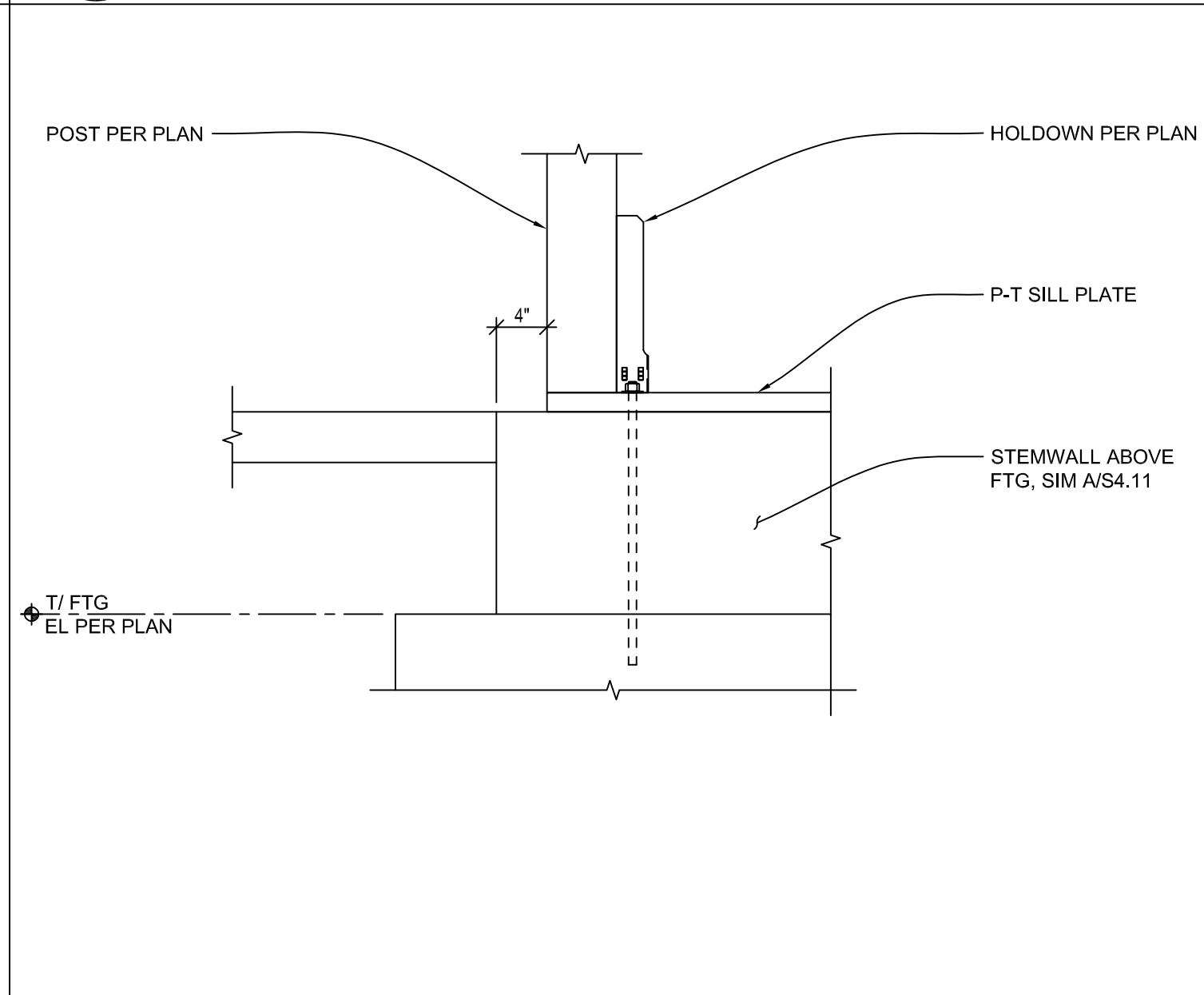


**A** TYPICAL CONCRETE FOUNDATION  
SCALE: 1"=1'-0"

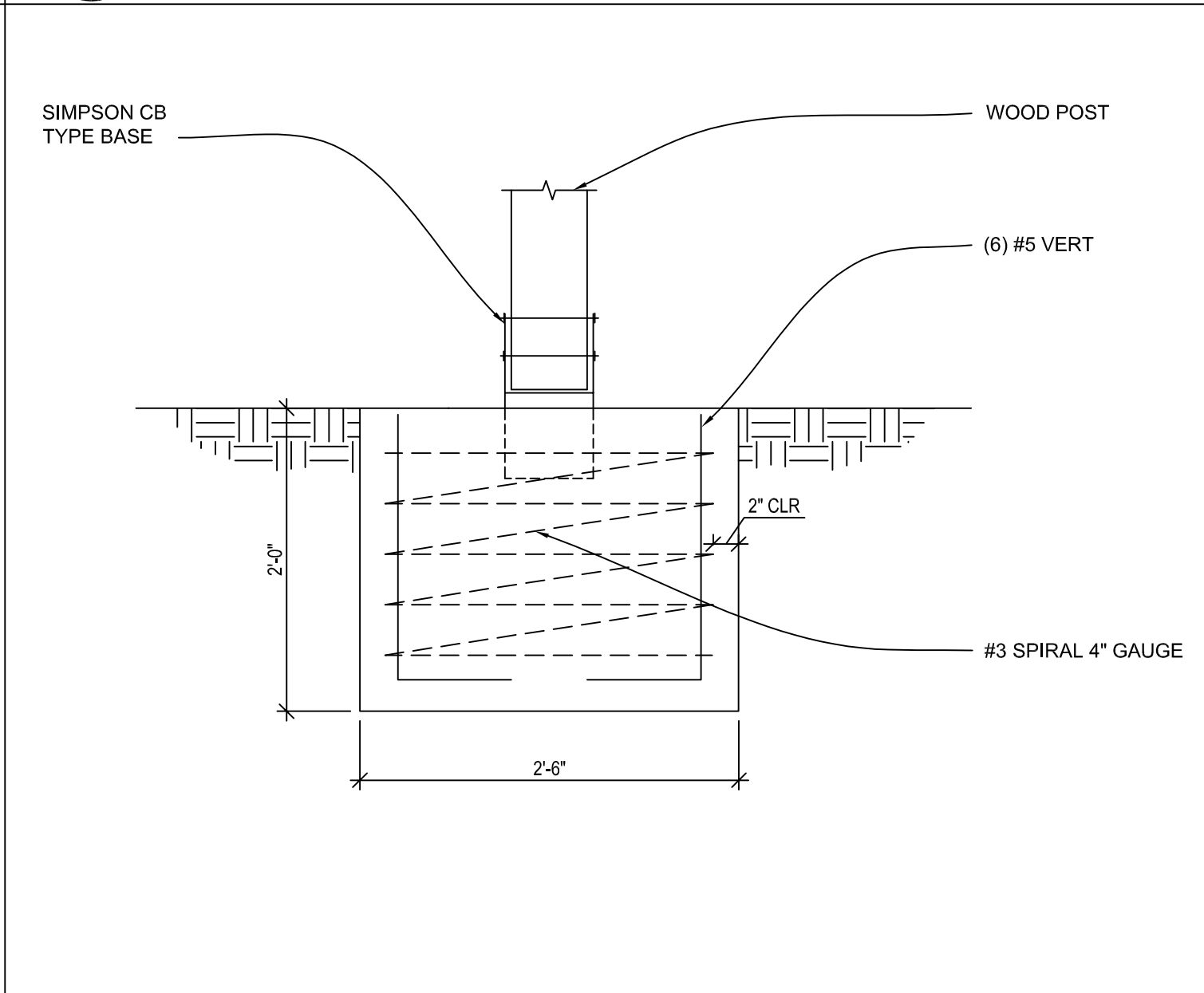
**B** TYPICAL CONCRETE CURB DETAILS  
SCALE: 1"=1'-0"

**C** STEPPED FOOTING DETAILS  
SCALE: 1"=1'-0"

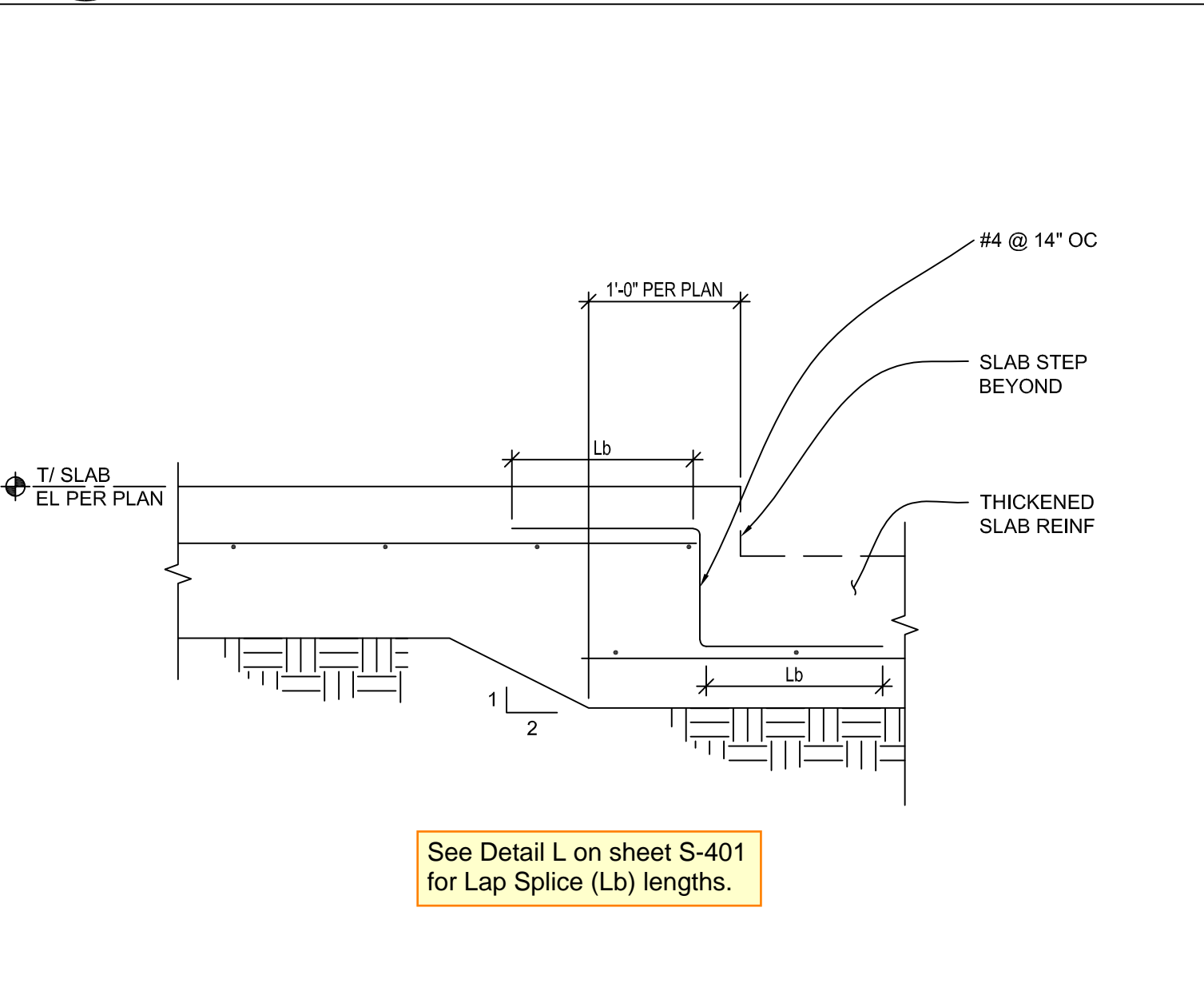
**D** STEPPED SLAB DETAILS  
SCALE: 1"=1'-0"



**F** COLUMN BASE DETAIL  
SCALE: 1"=1'-0"



**G** COLUMN BASE DETAILS  
SCALE: 1"=1'-0"



**H** STEPPED FOOTING DETAILS  
SCALE: 1"=1'-0"

See Detail L on sheet S-401 for Lap Splice (Lb) lengths.

PROJECT  
NEW CONSTRUCTION  
**TACO TIME**  
EAST MAIN STREET  
PUYALLUP, WA 98372

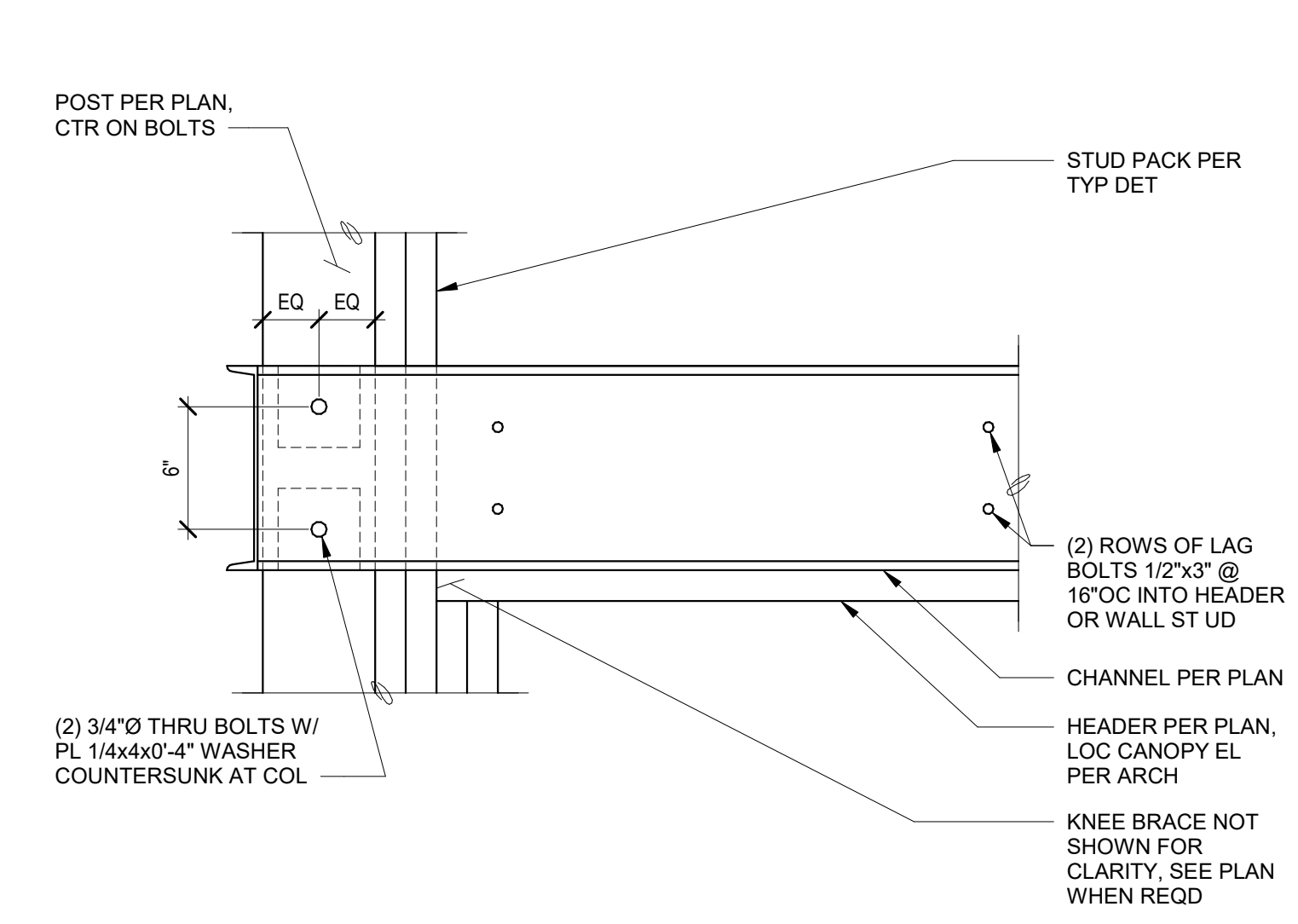
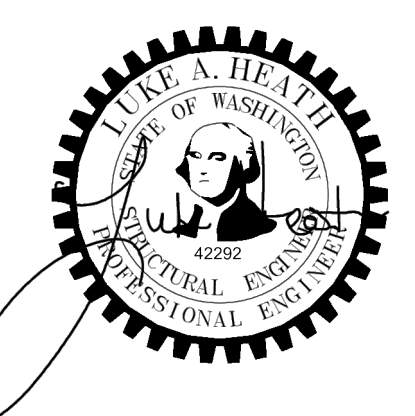
REVISIONS

NO.	DESCRIPTION	DATE

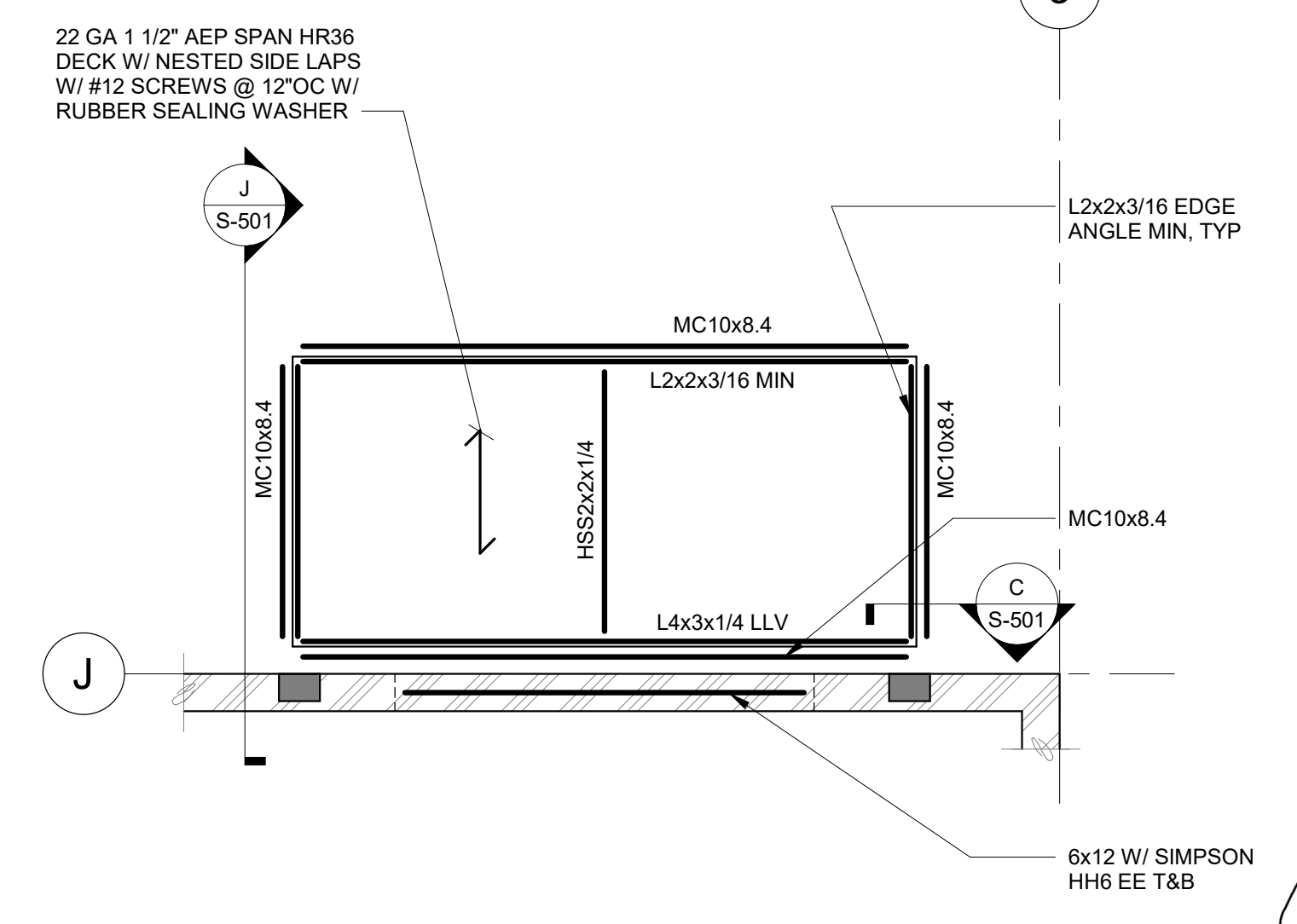
DATE: 7.17.23  
BCRA NO. 19110.00  
DRAWN BY: VNG DESIGNED BY: BJJ  
REVIEWED BY: \_\_\_\_\_  
SHEET TITLE: CONCRETE DETAILS

City of Puyallup  
Development & Permitting Services  
**ISSUED PERMIT**

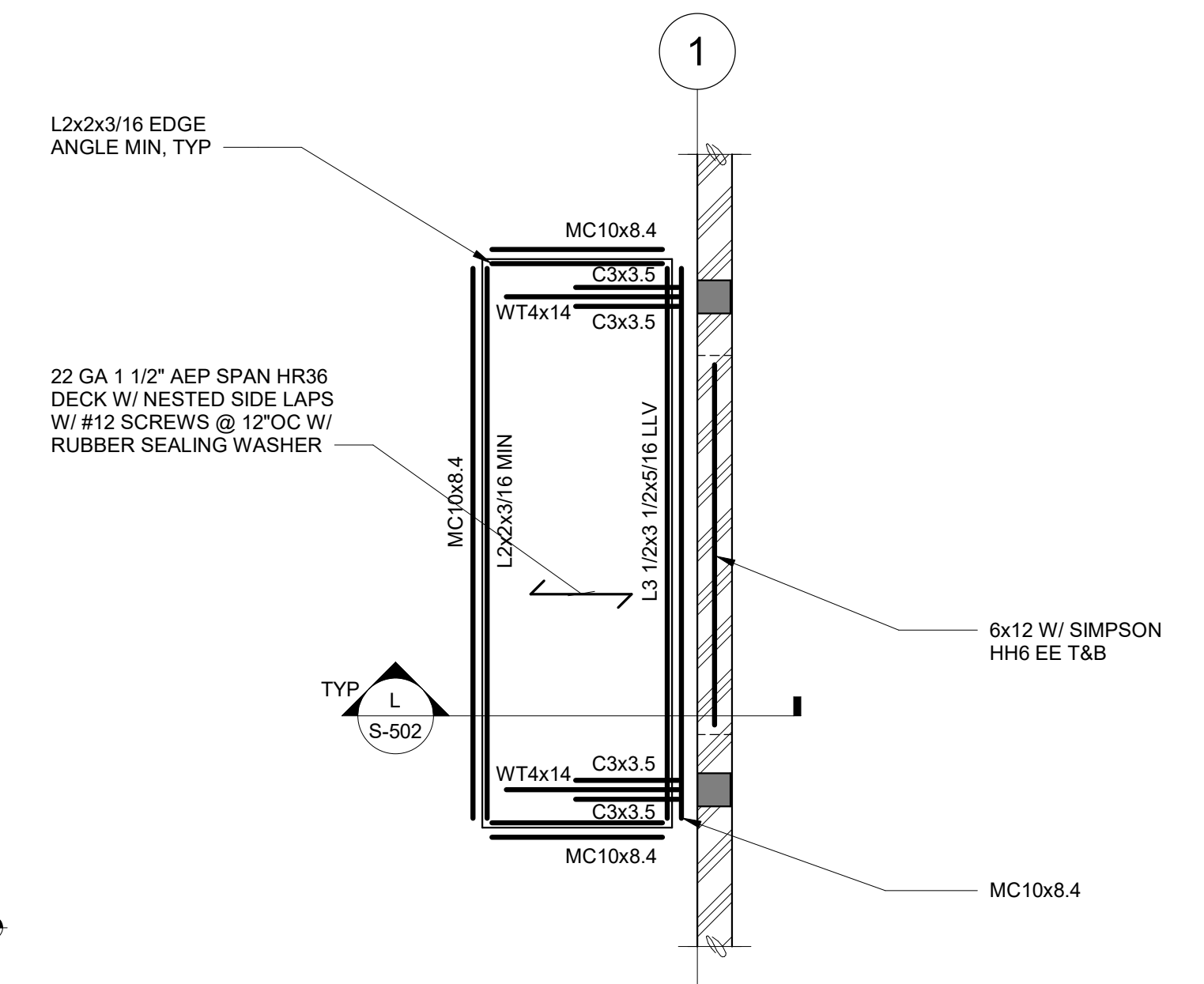
Building	Planning
Engineering	Public Works
Fire	Traffic



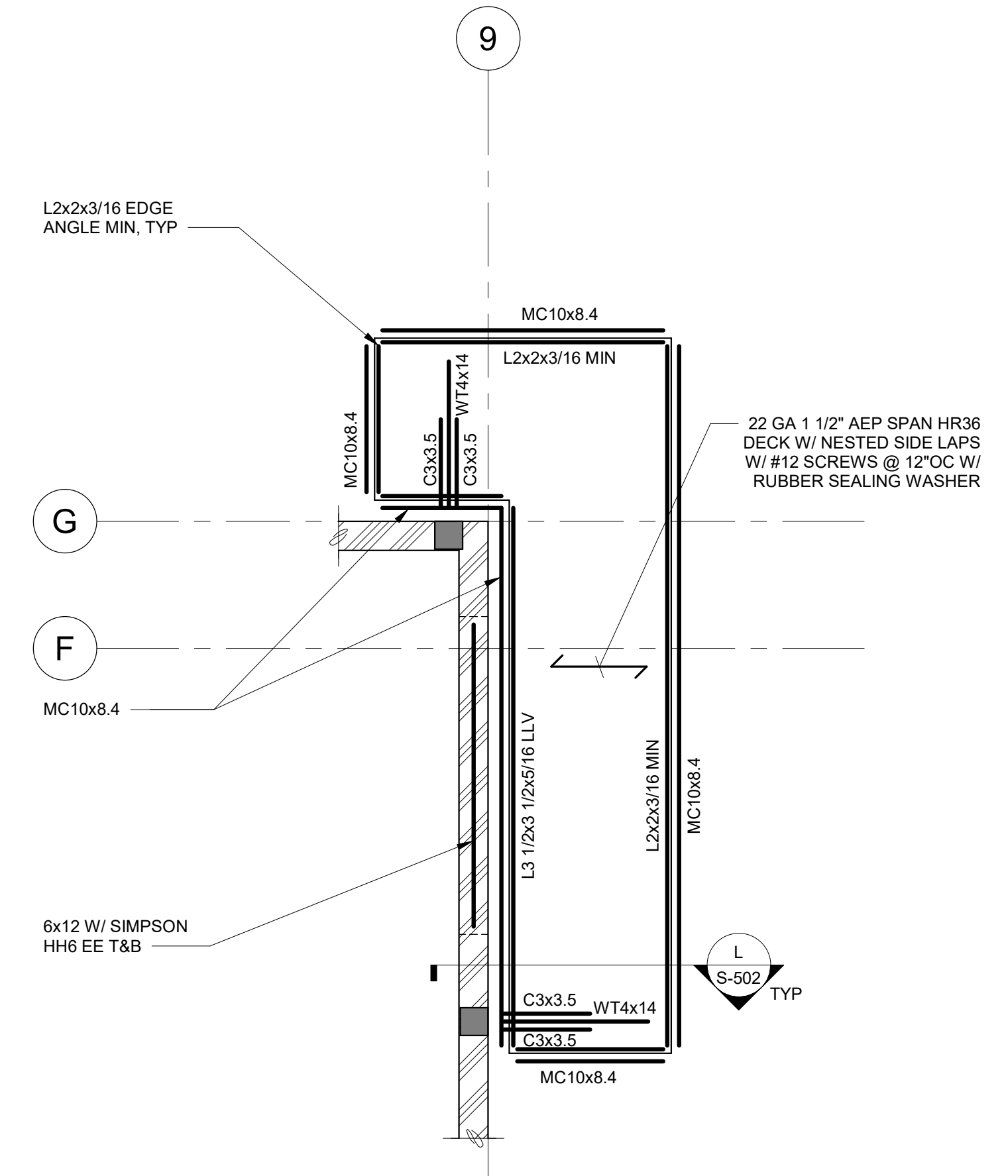
**C** CANOPY DETAILS  
1 1/2" = 1'-0"



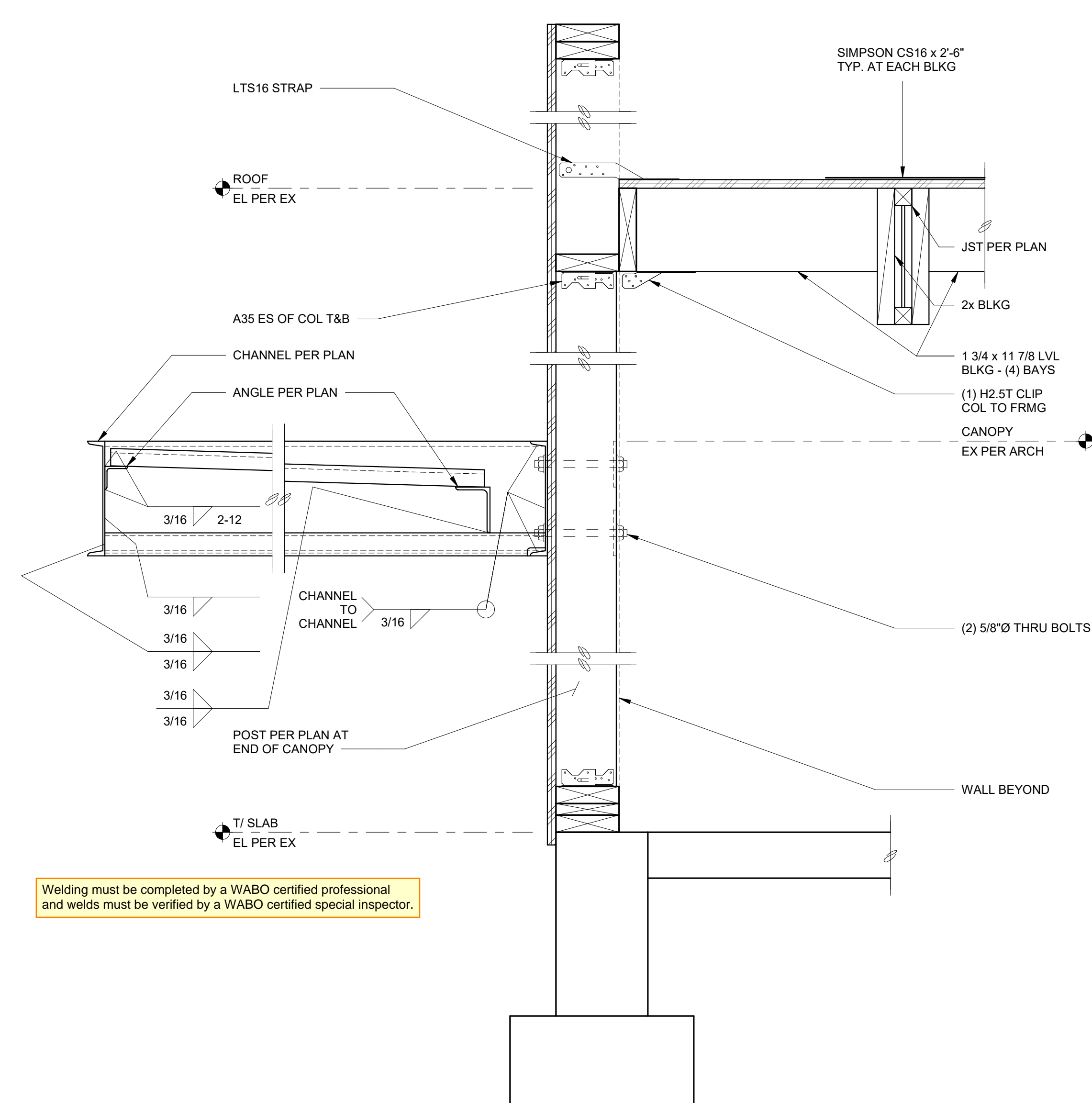
**H** NORTH CANOPY  
1/2" = 1'-0"



**G** WEST CANOPY  
1/2" = 1'-0"



**M** EAST CANOPY  
1/2" = 1'-0"



**J** CANOPY DETAILS  
1 1/2" = 1'-0"

Welding must be completed by a WABO certified professional and welds must be verified by a WABO certified special inspector.

NOTES:  
1. MITER CHANNELS AT CORNER PER F/S-502.

City of Puyallup  
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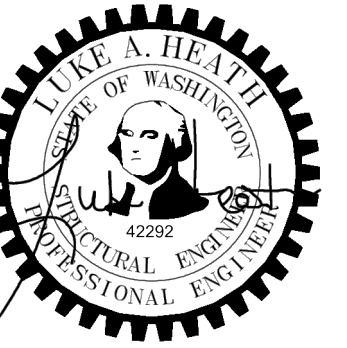
Building	Planning
Engineering	Public Works
Fire	Traffic

PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS

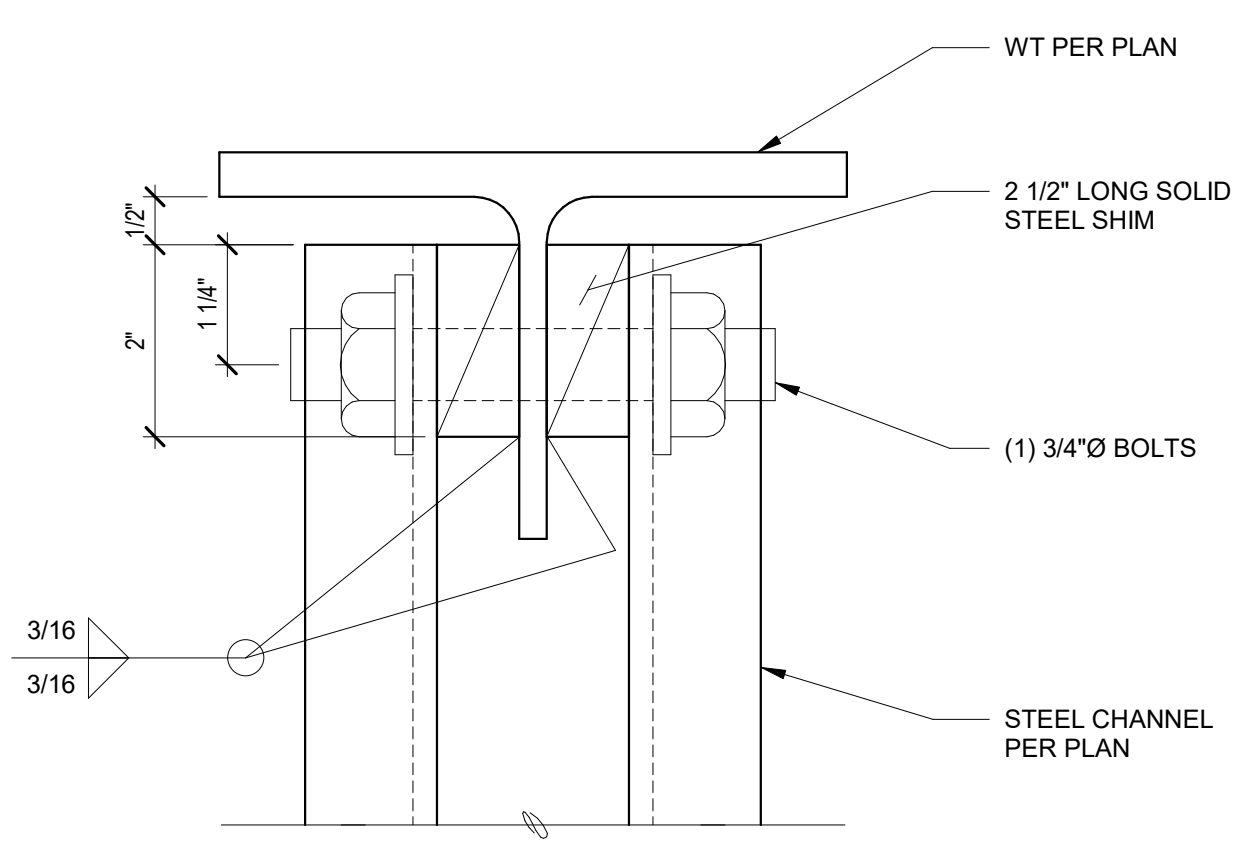
NO.	DATE	DESCRIPTION

DATE: 7.18.2023  
BCRA NO: 19110.00  
DRAWN BY: Author  
REVIEWED BY:  
SHEET TITLE: TACO TIME CANOPY

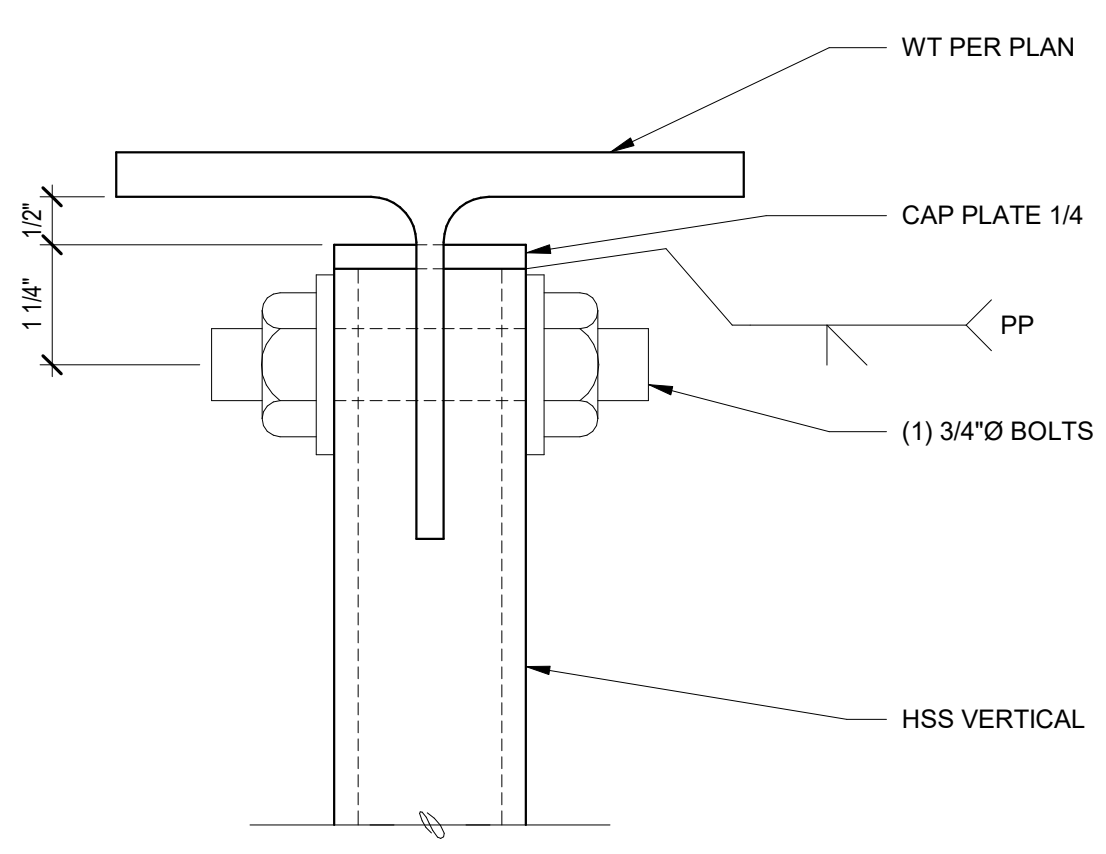


**City of Puyallup**  
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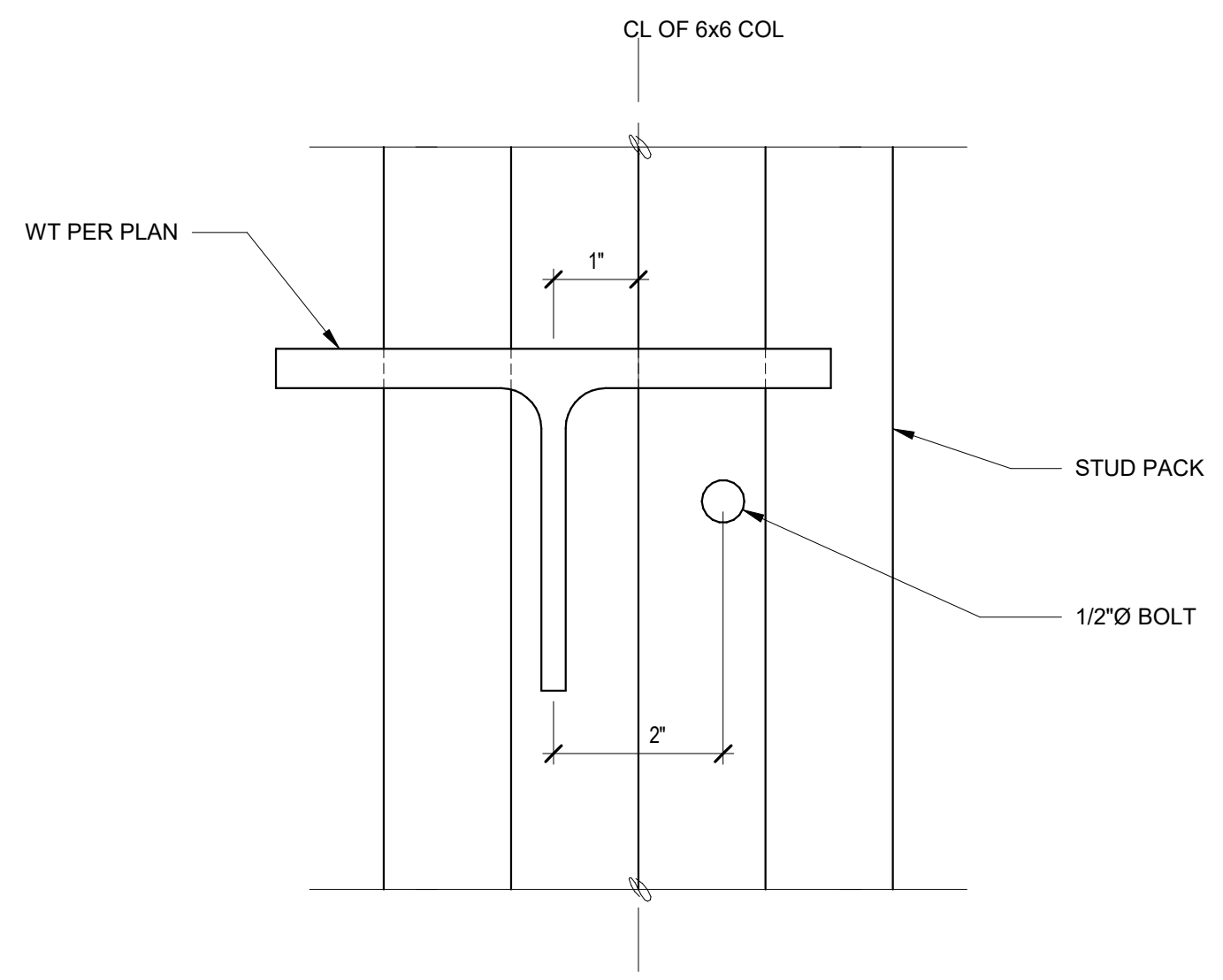
Building	Planning
Engineering	Public Works
Fire	Traffic



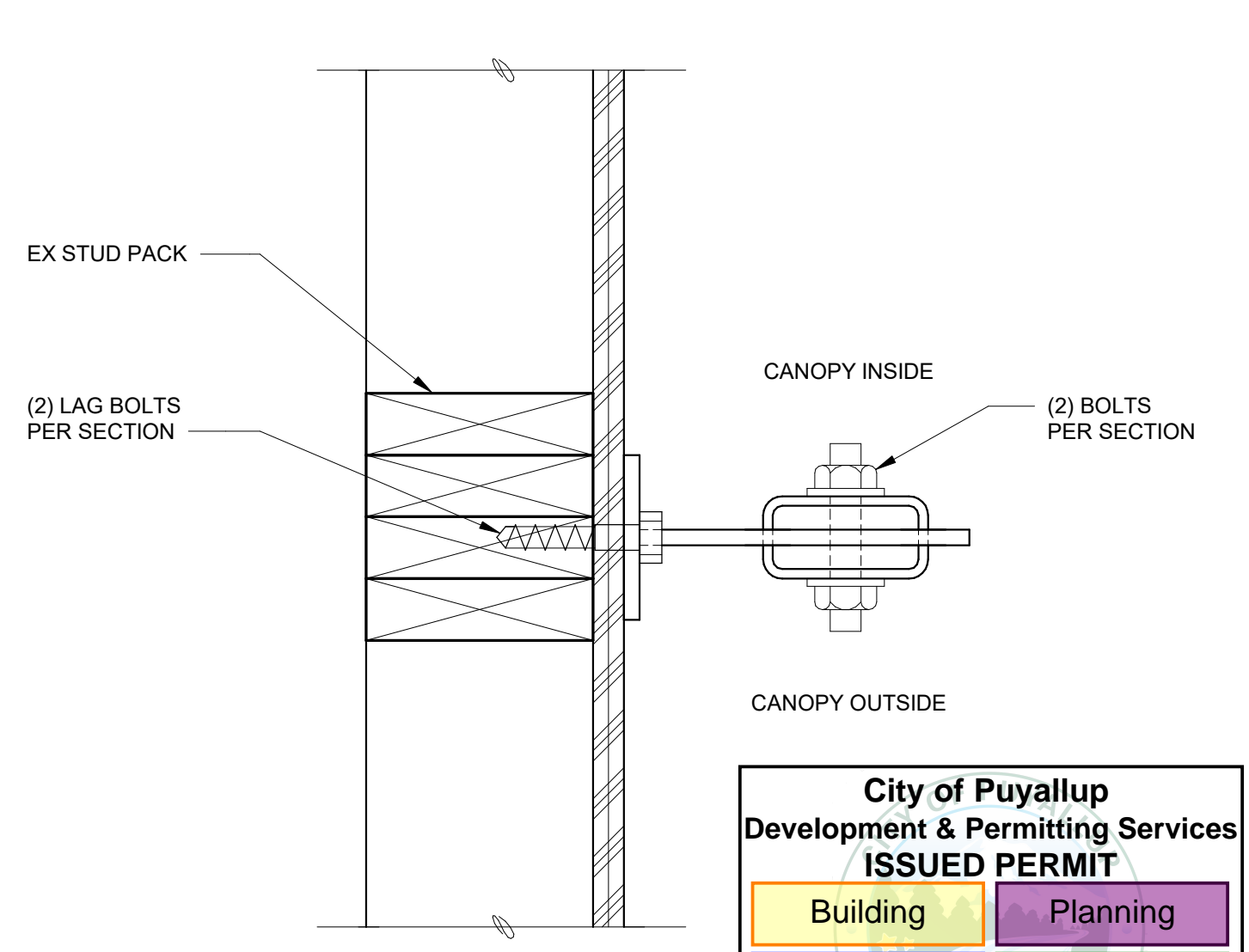
**A** CANOPY DETAILS  
6" = 1'-0"



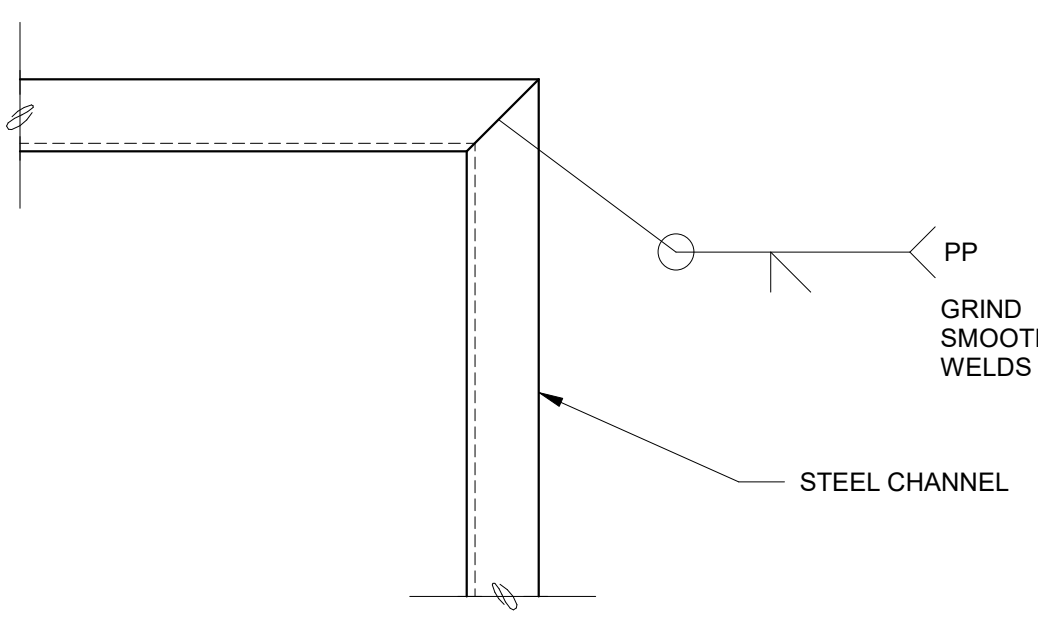
**B** CANOPY DETAILS  
6" = 1'-0"



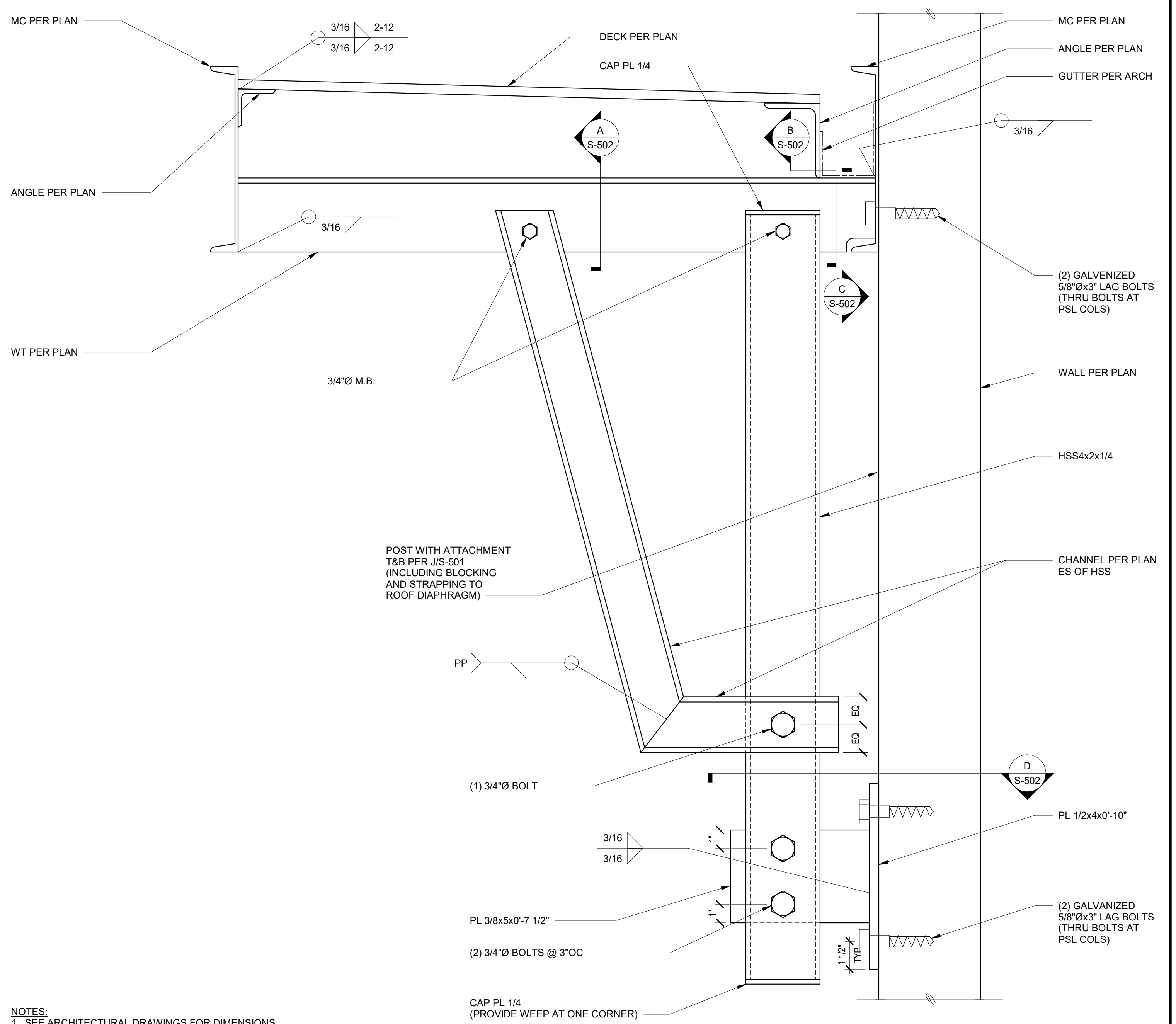
**C** CANOPY DETAILS  
6" = 1'-0"



**D** CANOPY DETAILS  
3" = 1'-0"



**E** CANOPY DETAILS  
3" = 1'-0"



**F** CANOPY DETAILS  
3" = 1'-0"

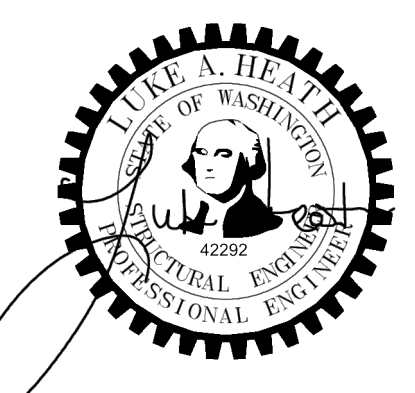
NOTES:  
1. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS.

Welding must be completed by a WABO certified professional and welds must be verified by a WABO certified special inspector.

PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS


DATE: 7.18.2023  
 BCRA NO: 19110.00  
 DRAWN BY: Author  
 REVIEWED BY:  
 SHEET TITLE: TACO TIME CANOPY



PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS	DATE	DESCRIPTION
1	2023.12.22	ADDENDUM #1

DATE: 7.18.23  
 RCN NO: 19110.00  
 DRAWN BY: DESIGNED BY:  
 REVIEWED BY:  
 SHEET TITLE: TYPICAL WOOD DETAILS

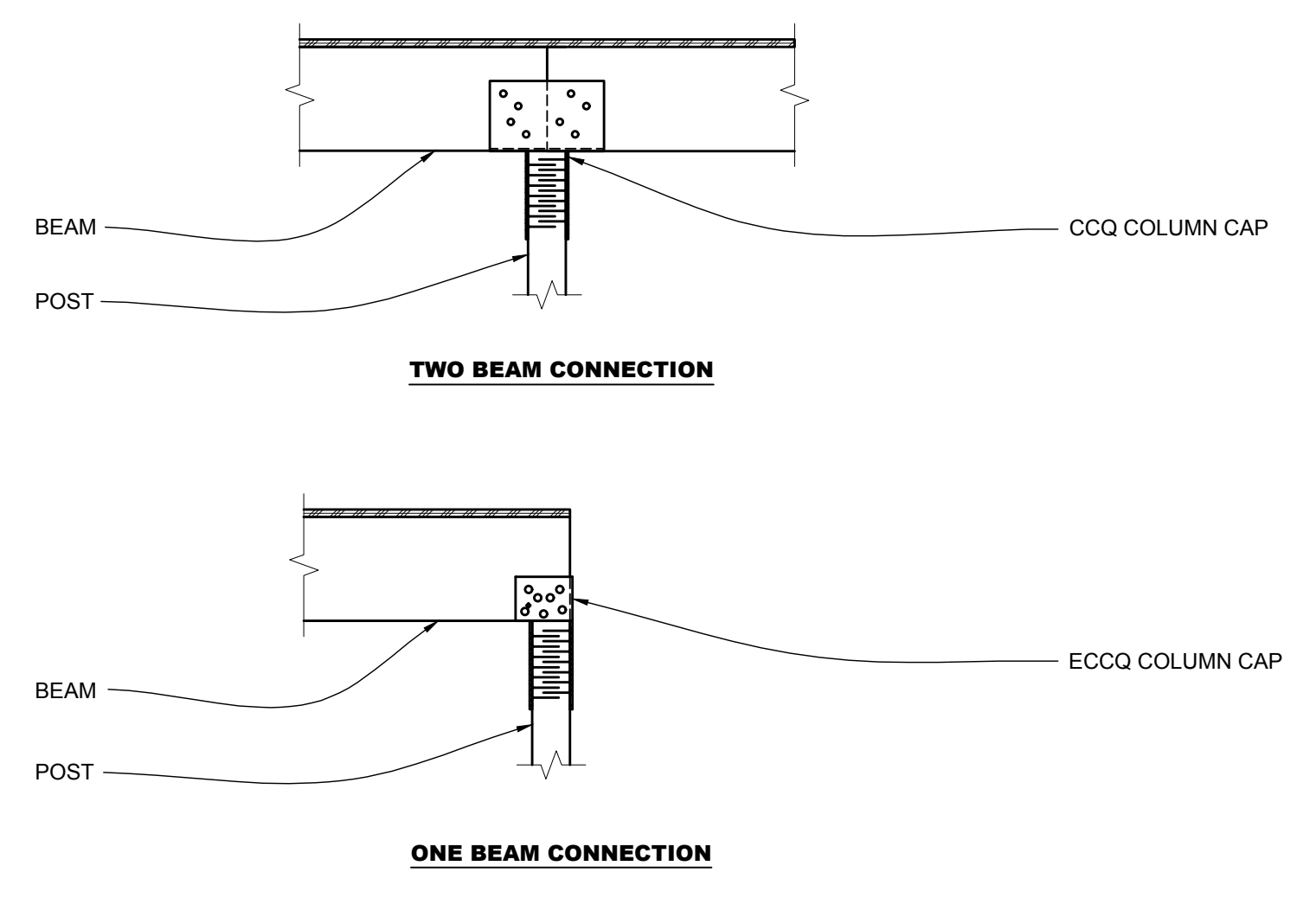
**City of Puyallup**  
Development & Permitting Services  
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Building	Planning
Engineering	Public Works
Fire	Traffic

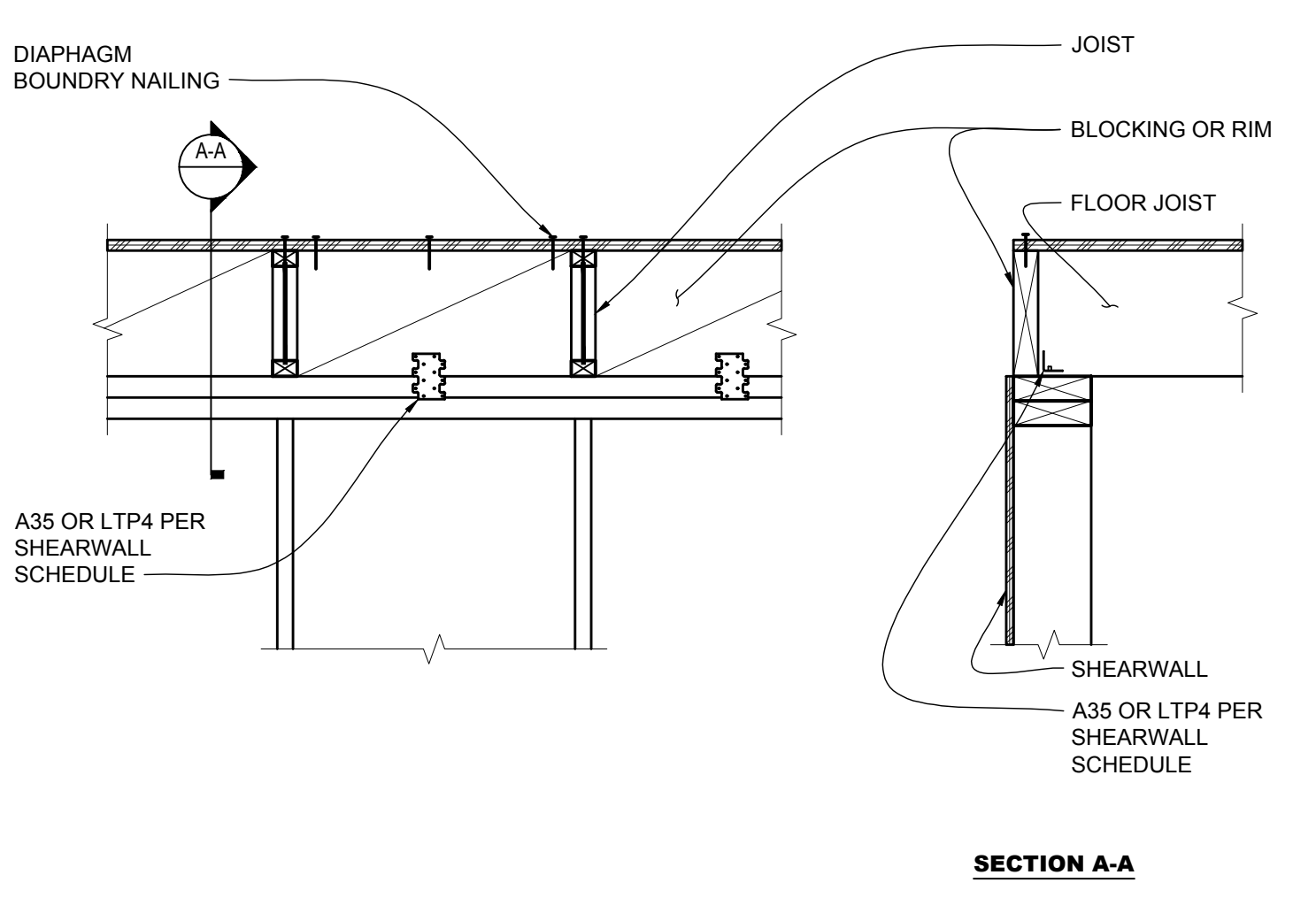
HOLDOWN SCHEDULE				
HOLDOWN MARK & TYPE	FOUNDATION ANCHOR ROD TYPE <sup>1</sup>		REQ'D STUDS	REF. DETAILS
	ANCHOR ROD <sup>2</sup> DIA.	REINF.		
HDU4	5/8"	(2) #4	(2) 2x	L/S-402
HDU5	5/8"	(2) #4	(2) 2x	L/S-402
HDU11	1"	(2) #4	6x	L/S-402
HDU14	1"	(4) #4	6x	L/S-402

- ALL HOLDOWNS SHALL BE INSTALLED PER MFR'S RECOMMENDATIONS
- ALL-THREAD ROD ASTM A36 W/ 3"x3"x3/8" PLATE W/ DBL. NUTS @ FOUNDATION

**A HOLDOWN SCHEDULE**  
SCALE: NTS



**B TYPICAL DETAIL BEAM / POST OUTSIDE OF WALL CONNECTON**  
SCALE: NTS

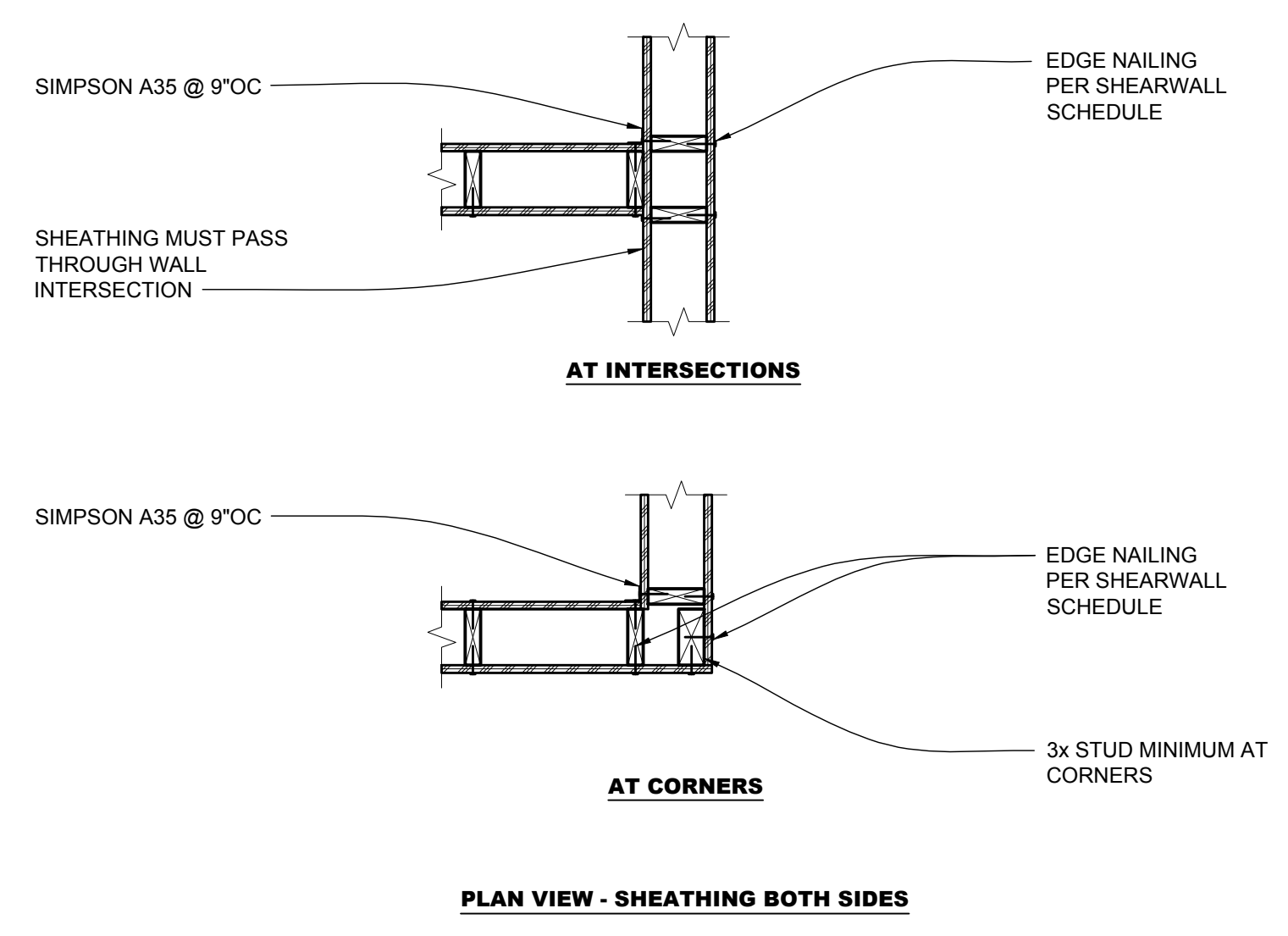


**C TYPICAL DETAIL BLOCKING AT TOP OF WALL**  
SCALE: NTS

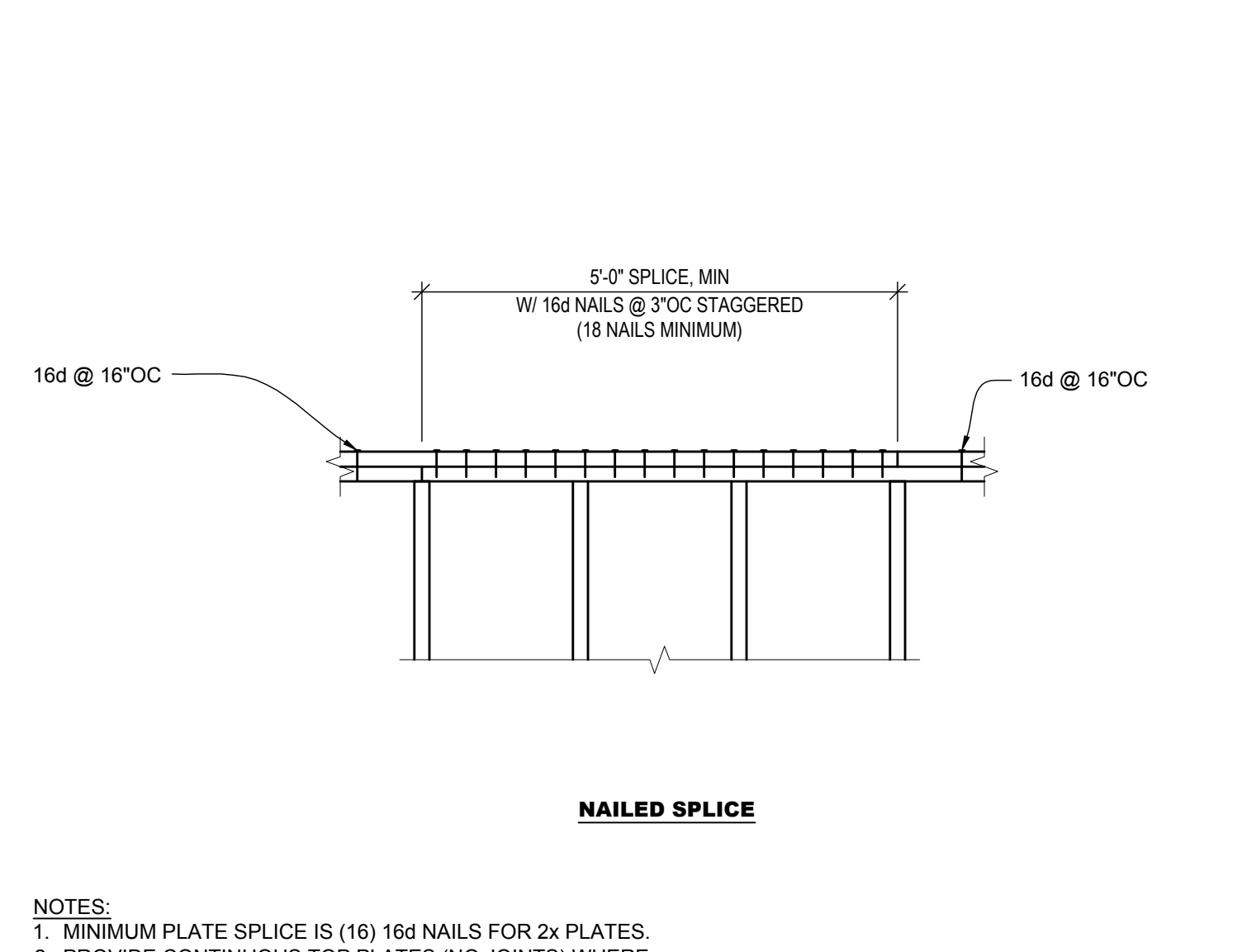
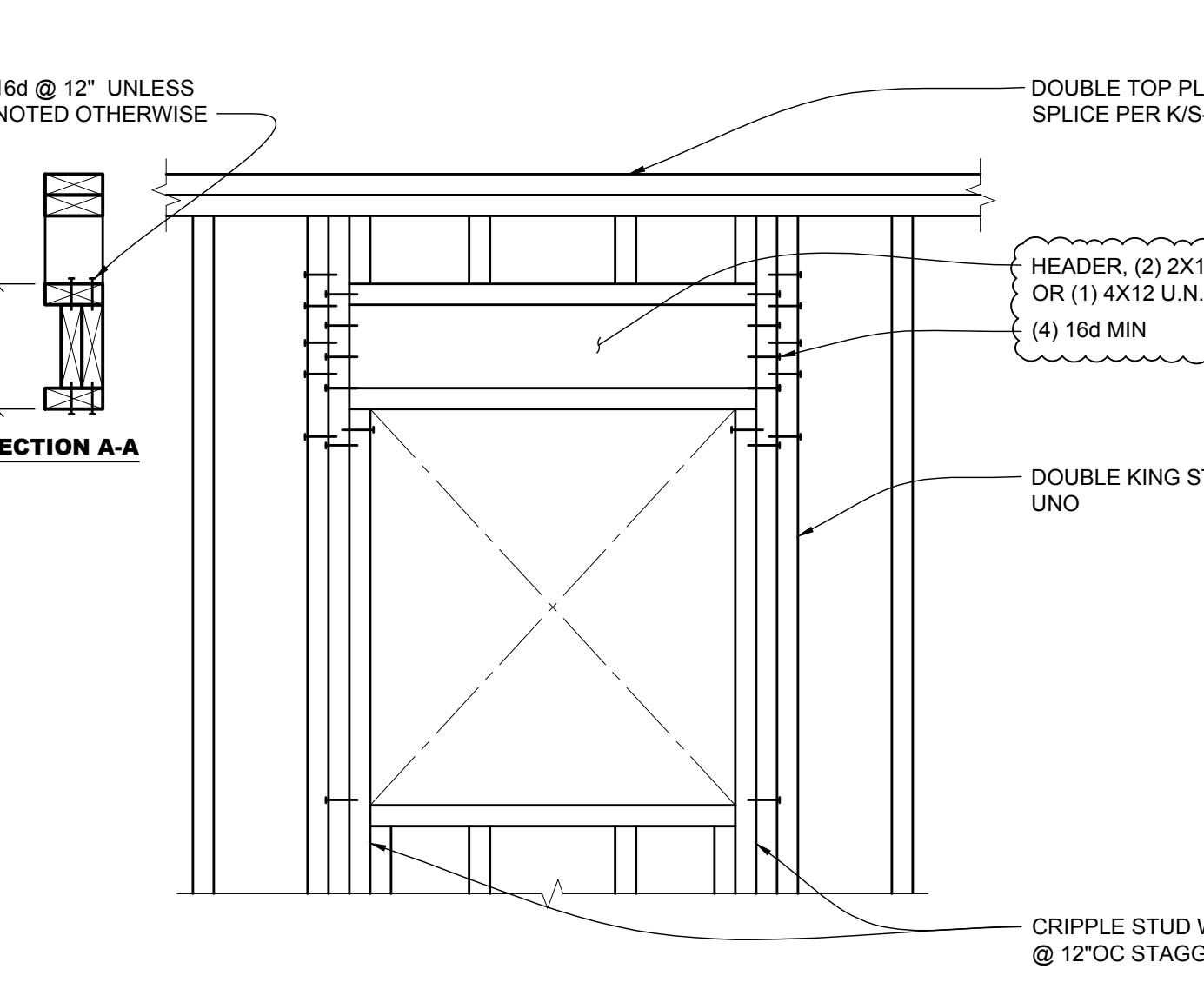
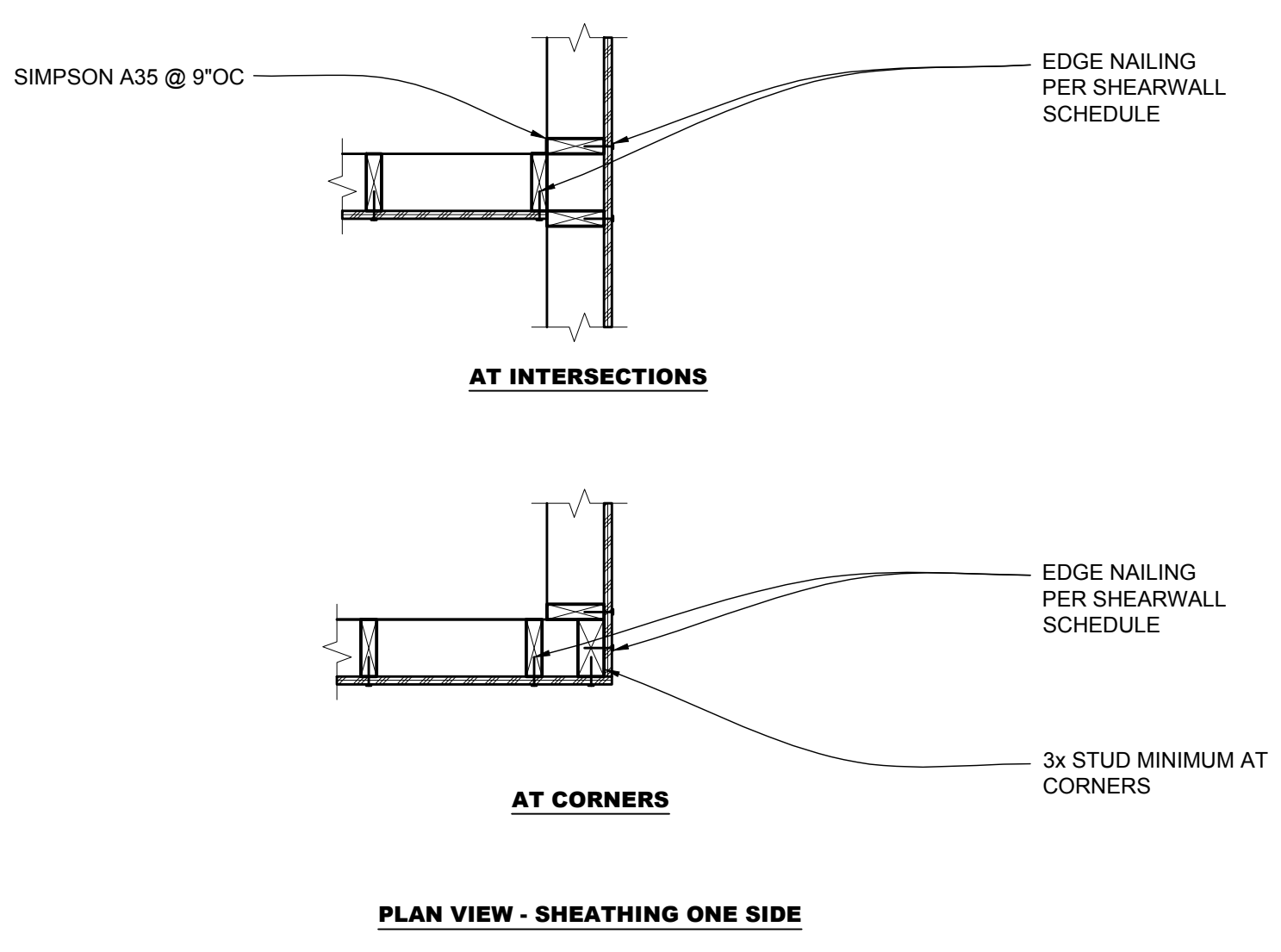
MARK	SHEATHING	NAIL SPACING		TOP PLATE / SILL CONNECTION A35 or LTP4	BOTTOM PLATE CONNECTION WOOD (CONCRETE)	MINIMUM FRAMING MEMBER AT PANEL EDGES
		EDGE	FIELD			
SW1	15/32" APA R.S.	6"	12"	16"	16d @ 4" (5/8" AB @ 44")	2x
SW2	15/32" APA R.S.	4"	12"	12"	16d @ 4" (5/8" AB @ 30")	3x
SW3	15/32" APA R.S. (2) SIDES	4"	12"	8"	(2) ROWS SDS @ 6" (5/8" AB @ 24") (3x SILL PL)	3x

- NOTES:**
- BLOCKING REQUIRED FOR ALL SHEARWALLS. SOLID BLOCKING SHALL BE INSTALLED AT ALL HORIZONTAL SHEATHING PANEL BUTT JOINTS.
  - NAILS TO BE 10D COMMON.
  - BOTTOM PLATE TO BE PRESSURE TREATED AT ATTACHMENT TO CONCRETE.
  - (2) 2x FRAMING MAY BE USED IN LIEU OF 3x FRAMING. MEMBERS SHALL BE SISTERED WITH ONE HALF OF THE SHEARWALL EDGE NAILING SHALL BE STAGGERED EQUALLY BETWEEN SISTERED MEMBERS.
  - EMBED ANCHOR BOLTS 7" MINIMUM. PLACE ANCHORS WITHIN 6" TO 12" OF PLATE JOINT. PROVIDE 1/4"x3"x3" GALVANIZED PLATE WASHER.
  - RESILIENT CHANNELS SHALL NOT BE USED BETWEEN SPECIFIED SHEATHING AND STUDS AT SHEARWALLS.
  - PERFORATED SHEARWALLS PER PERFORATED SHEARWALL DETAIL TYPICAL.

**H TYPICAL DETAIL SHEARWALL SCHEDULE**  
SCALE: NTS

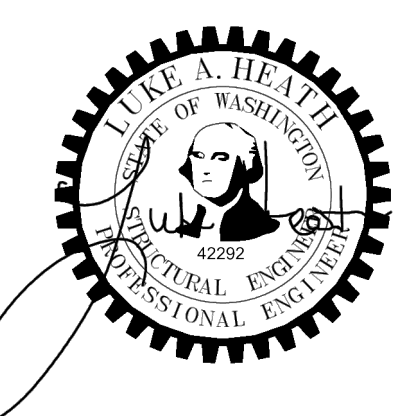


**F TYPICAL DETAIL SHEARWALL INTERSECTION AND CORNERS**  
SCALE: NTS



**K TYPICAL DETAIL AT DOUBLE TOP PLATE**  
SCALE: NTS

**M TYPICAL DETAIL HEADER**  
SCALE: NTS



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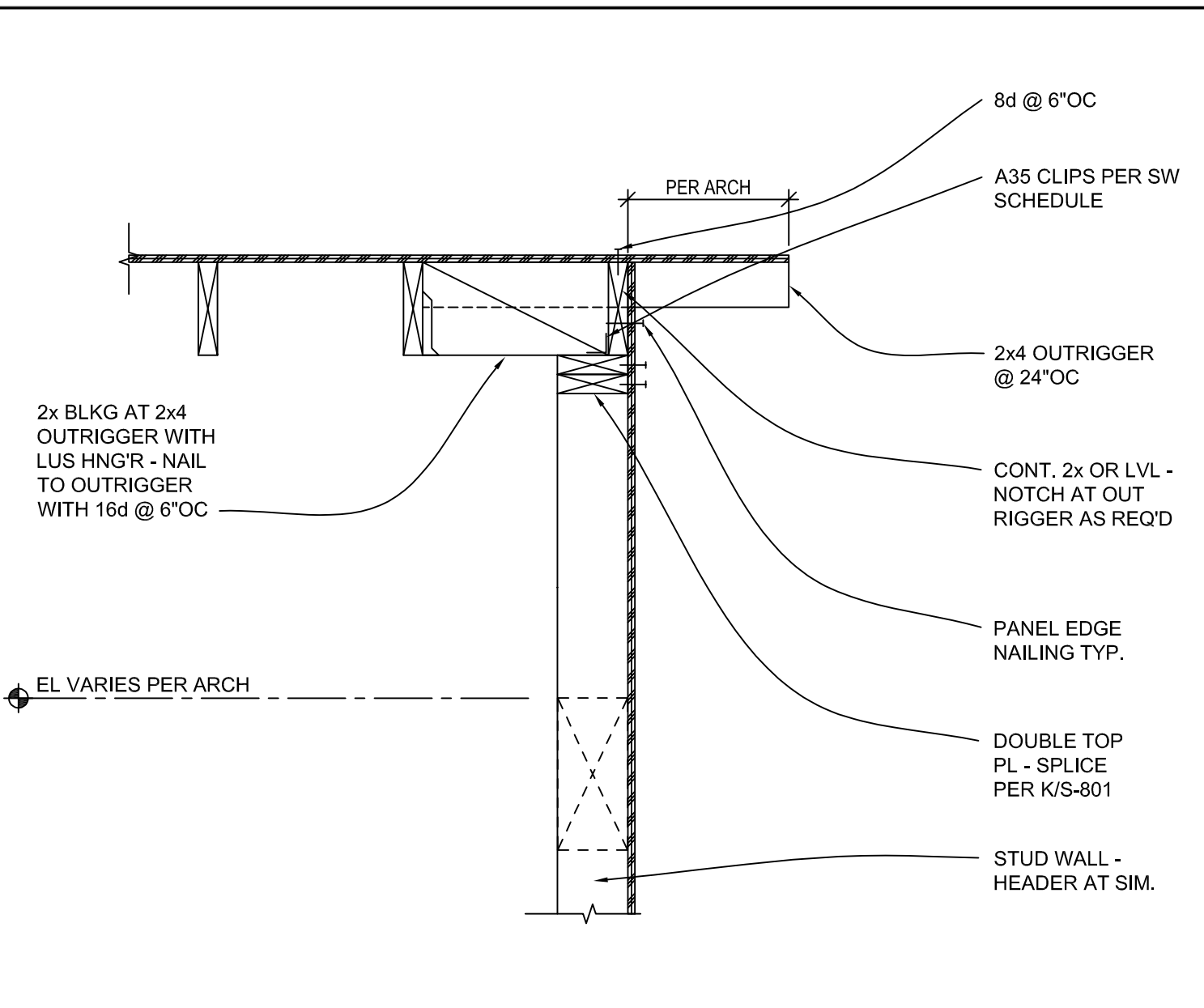
Building	Planning
Engineering	Public Works
Fire	Traffic

PROJECT  
NEW CONSTRUCTION  
**TACO TIME**  
EAST MAIN STREET  
PUYALLUP, WA 98372

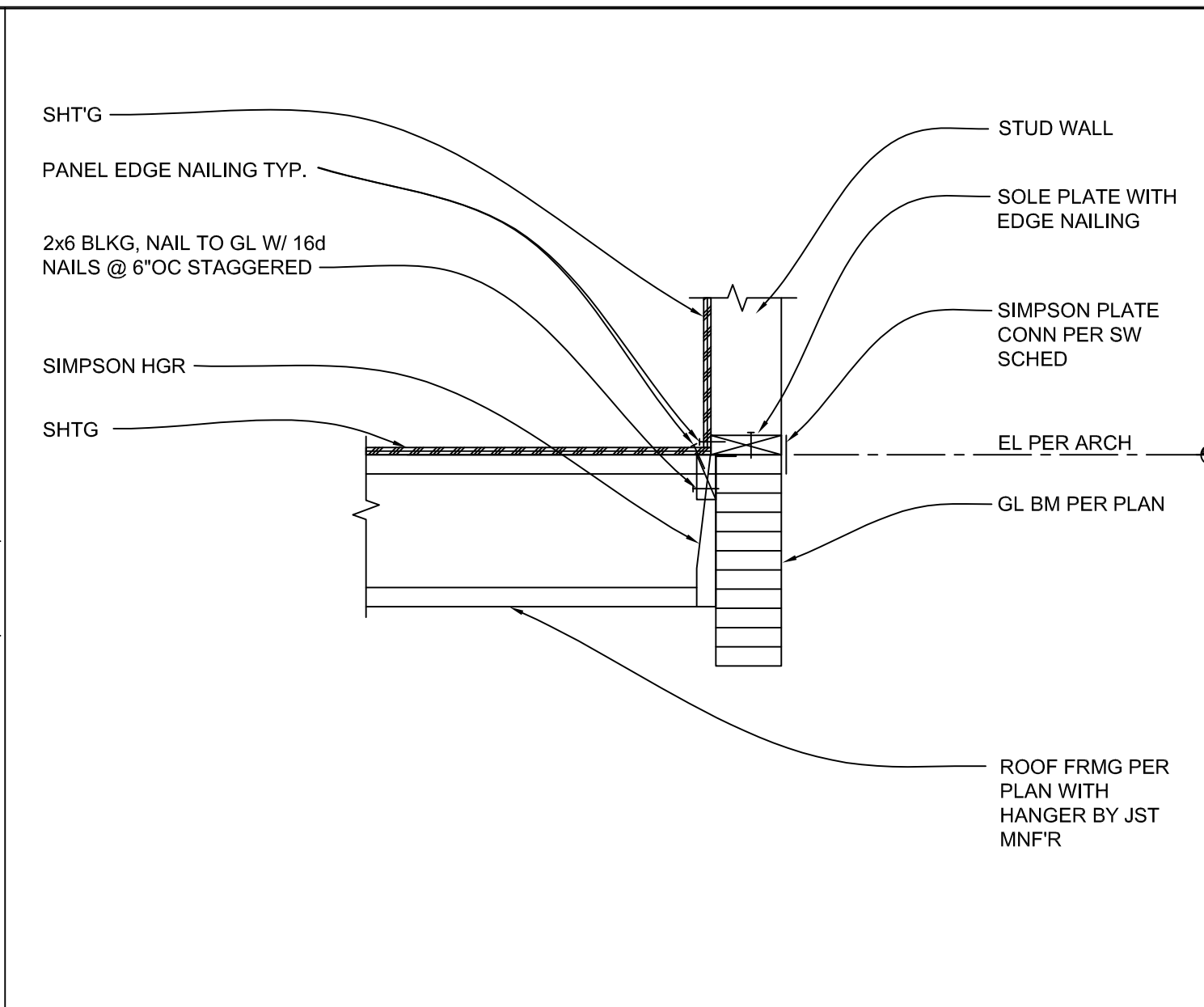
REVISIONS

NO.	DESCRIPTION

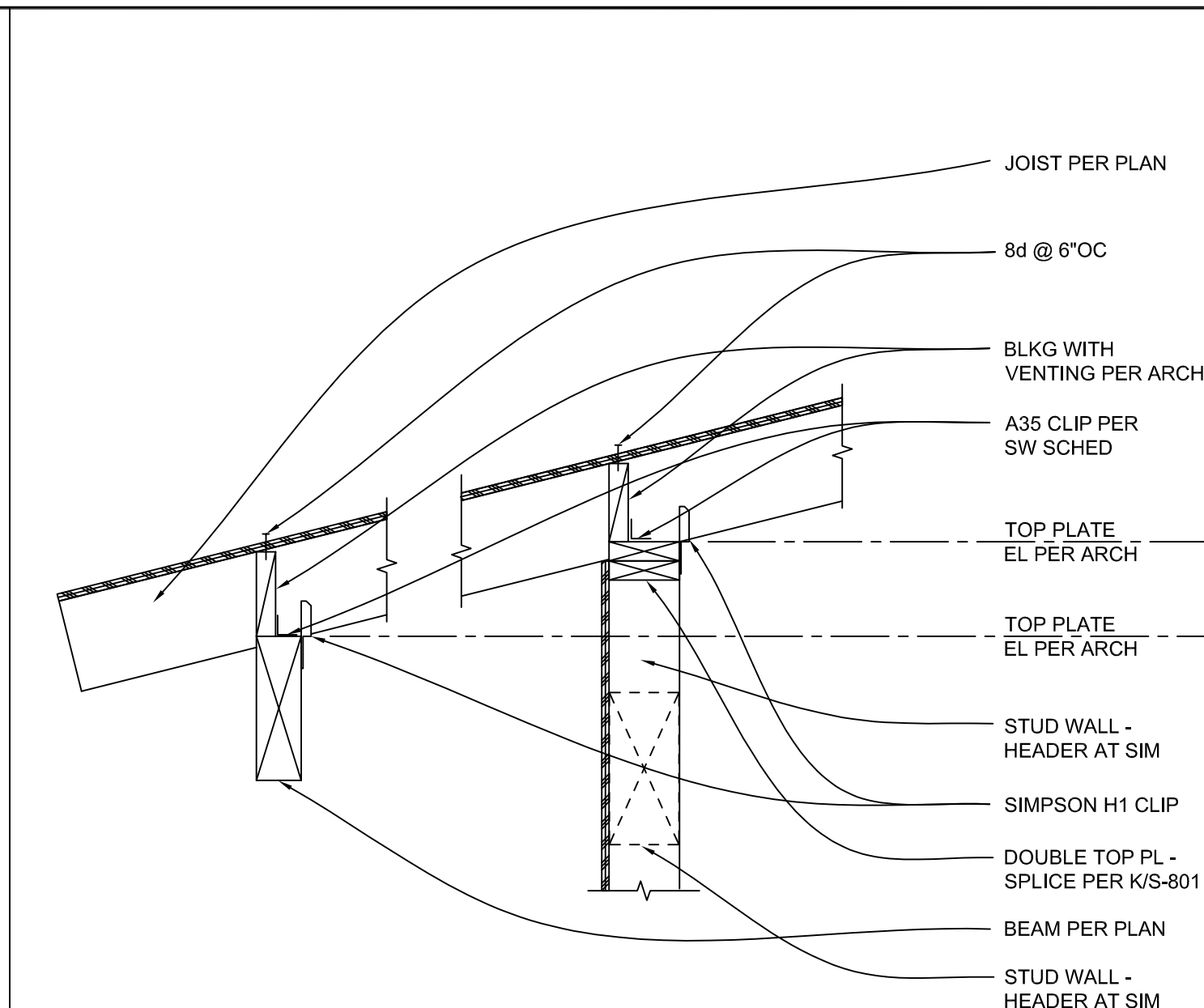
DATE: 7.17.23  
BCRA NO: 19110.00  
DRAWN BY: VNG DESIGNED BY: BJJ  
REVIEWED BY: \_\_\_\_\_  
SHEET TITLE: WOOD DETAILS



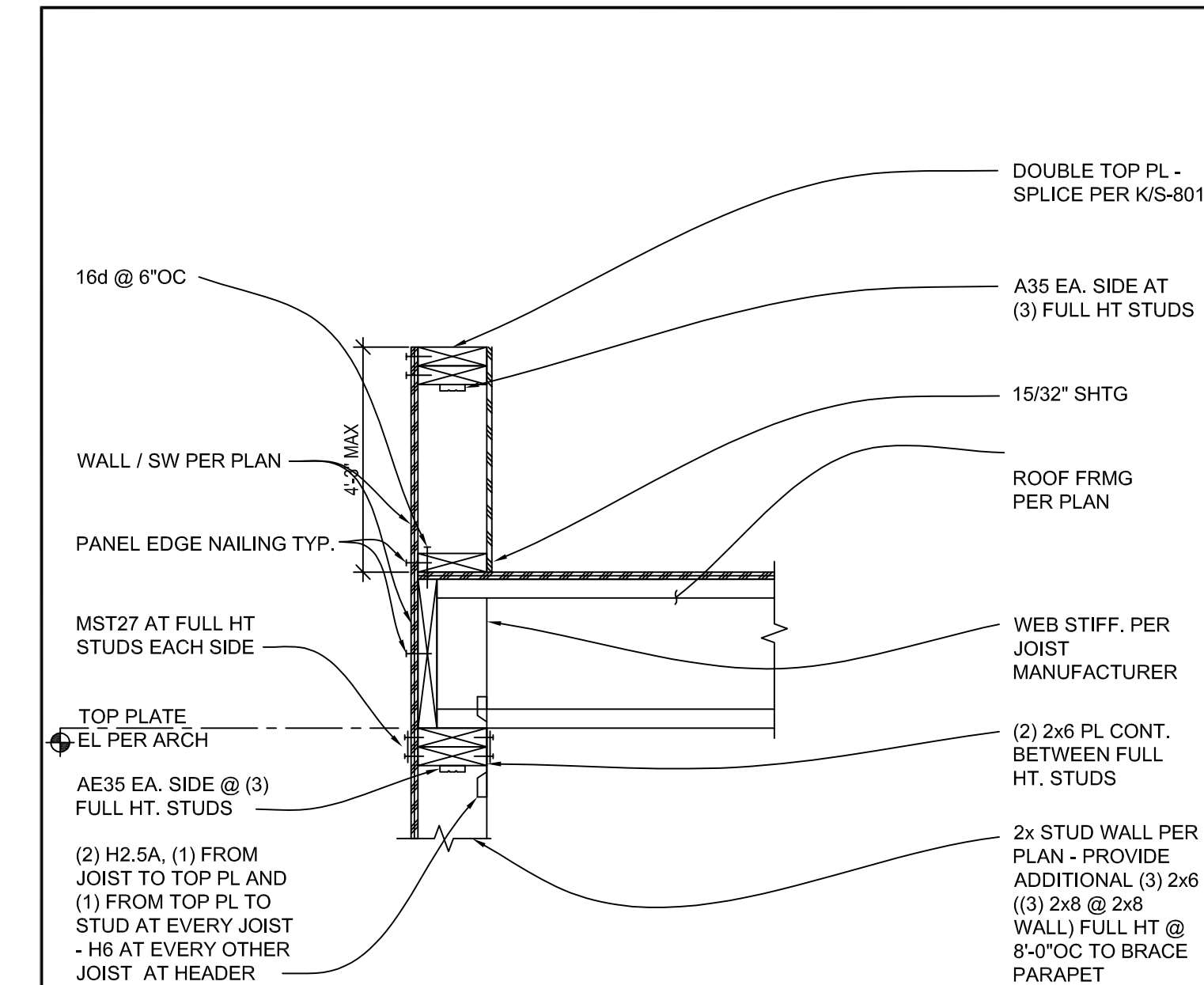
**D ENTRY ROOF FRAMING DETAILS**  
SCALE: NTS



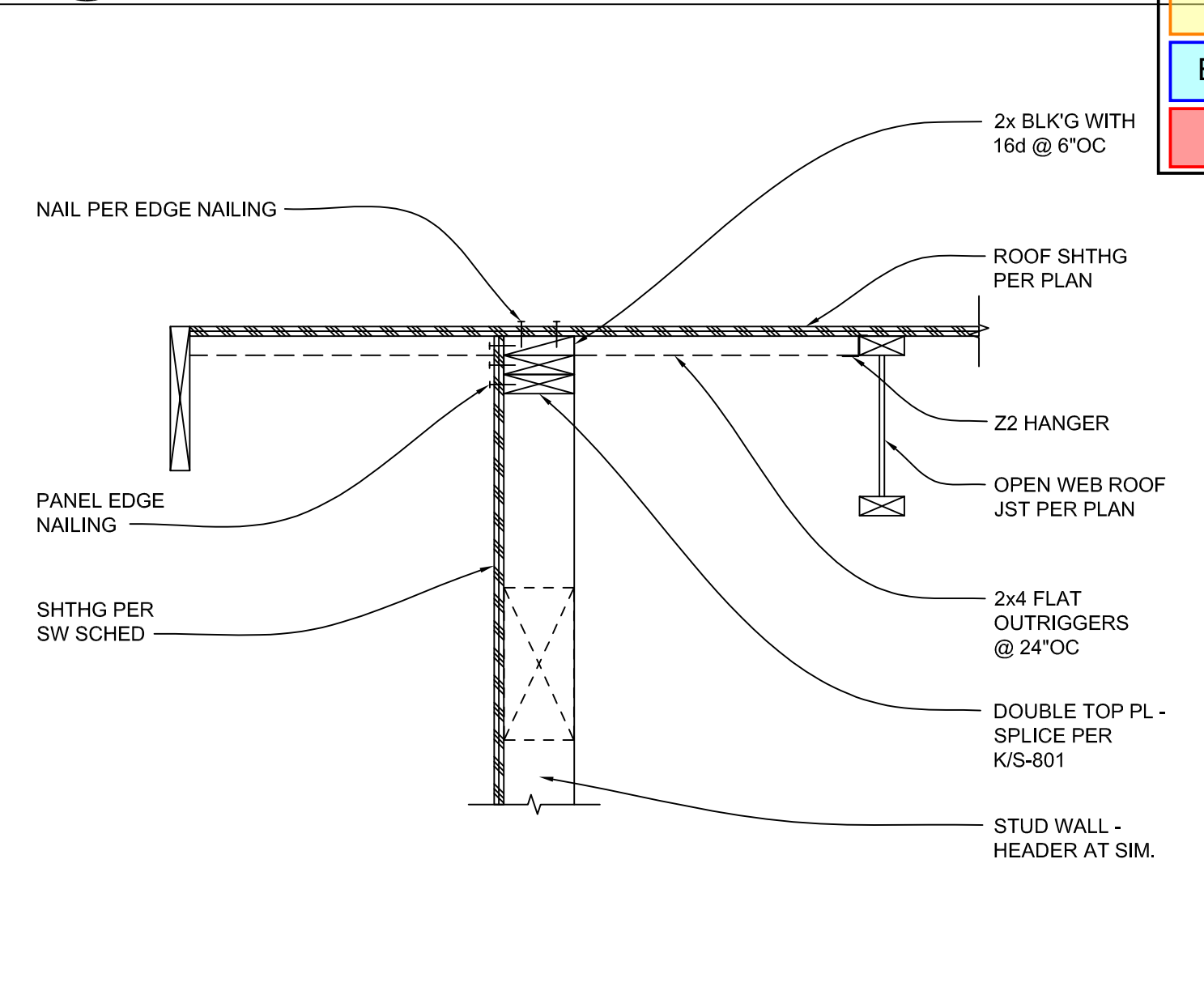
**C UPPER ROOF FRAMING DETAILS**  
SCALE: NTS



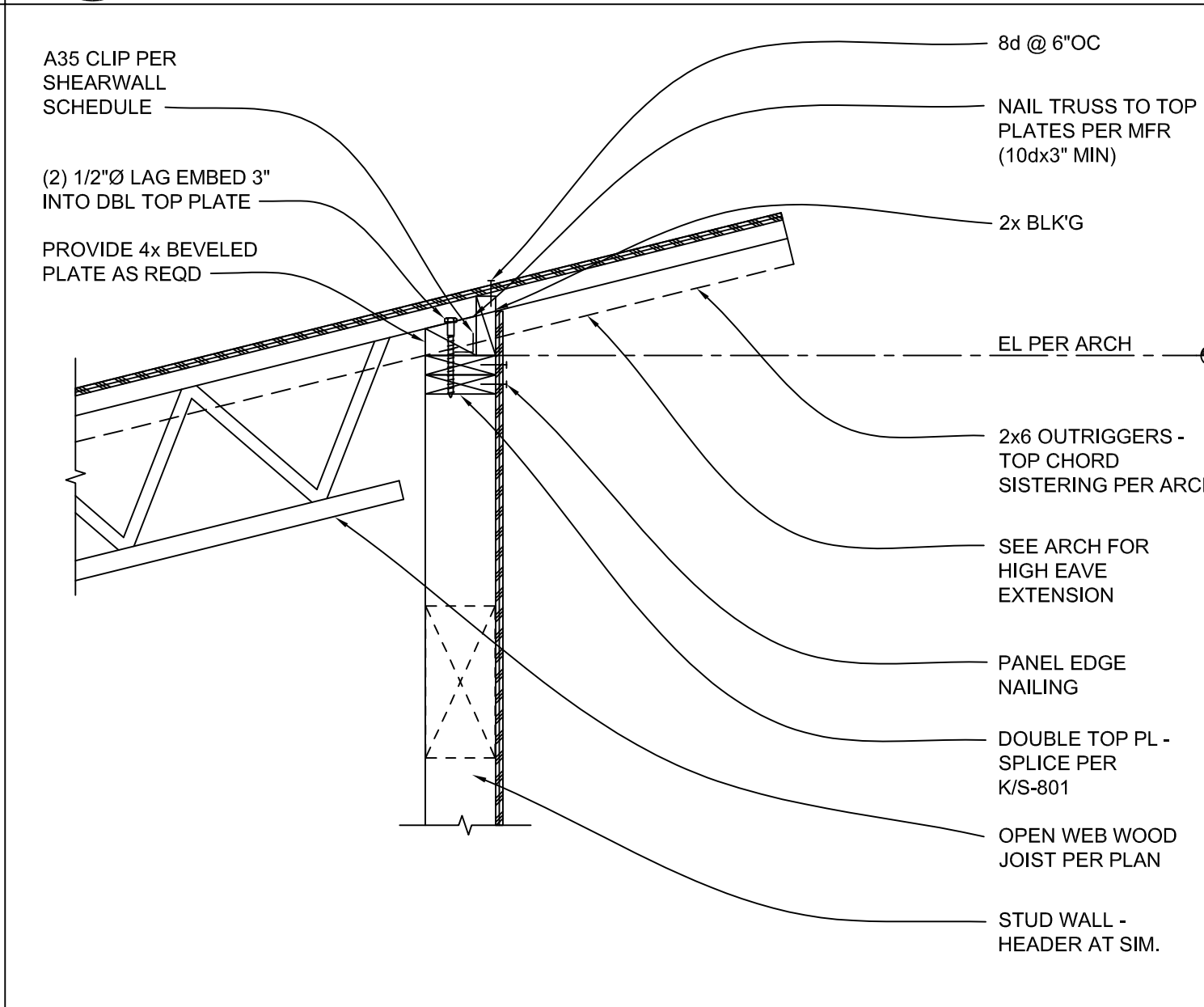
**B ROOF FRAMING DETAILS**  
SCALE: NTS



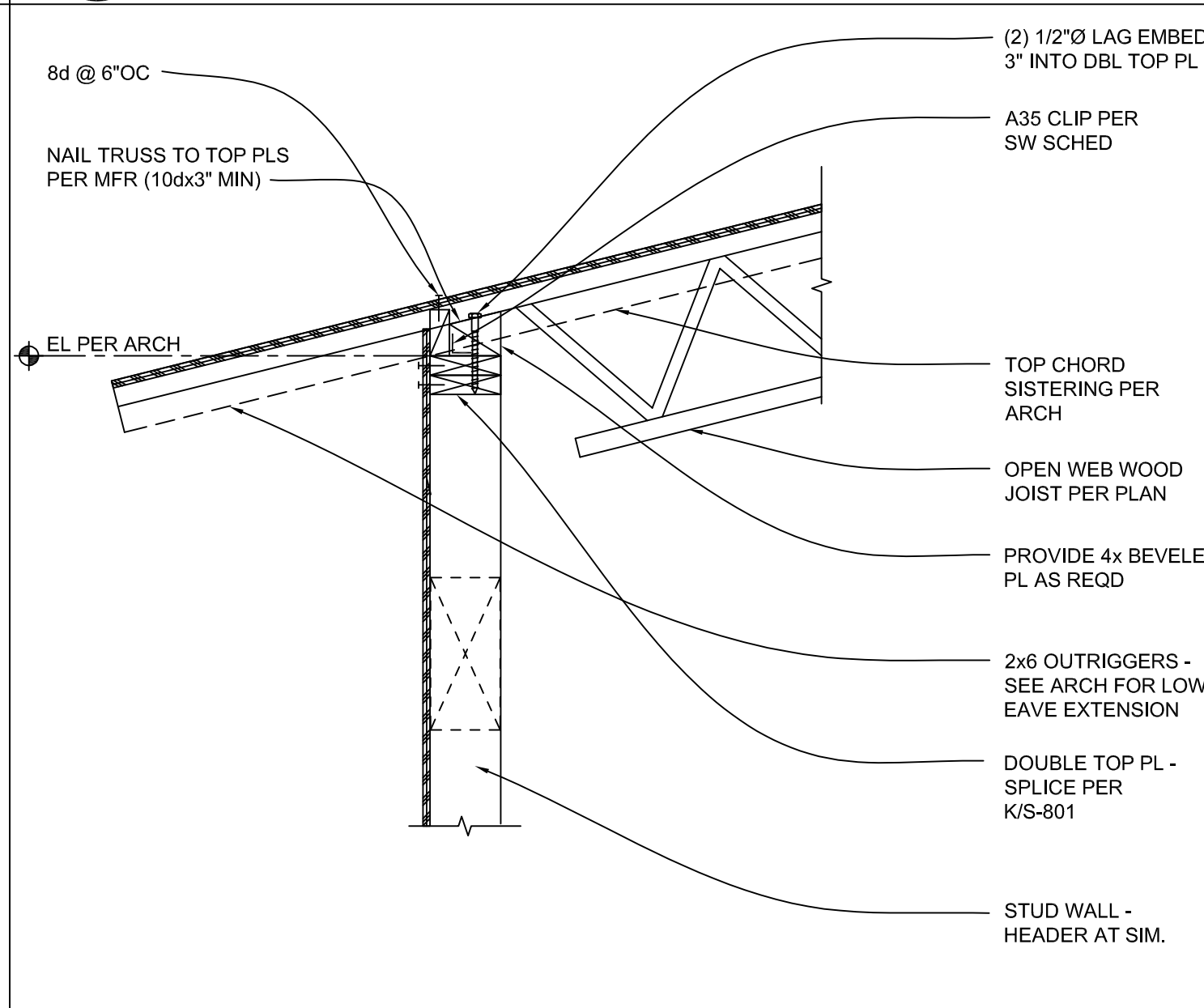
**A TYPICAL PARAPET DETAILS**  
SCALE: NTS



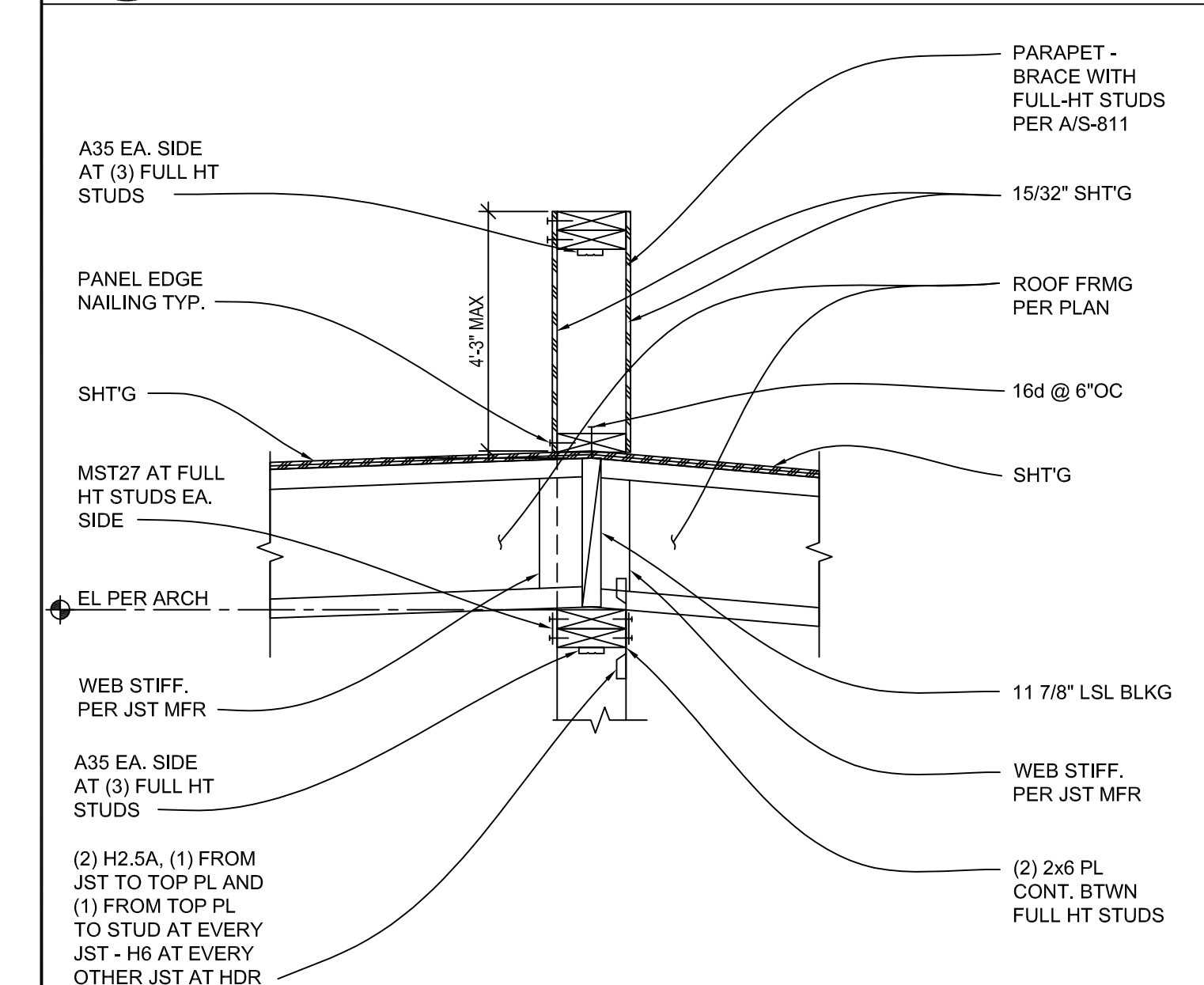
**H UPPER ROOF FRAMING DETAILS**  
SCALE: NTS



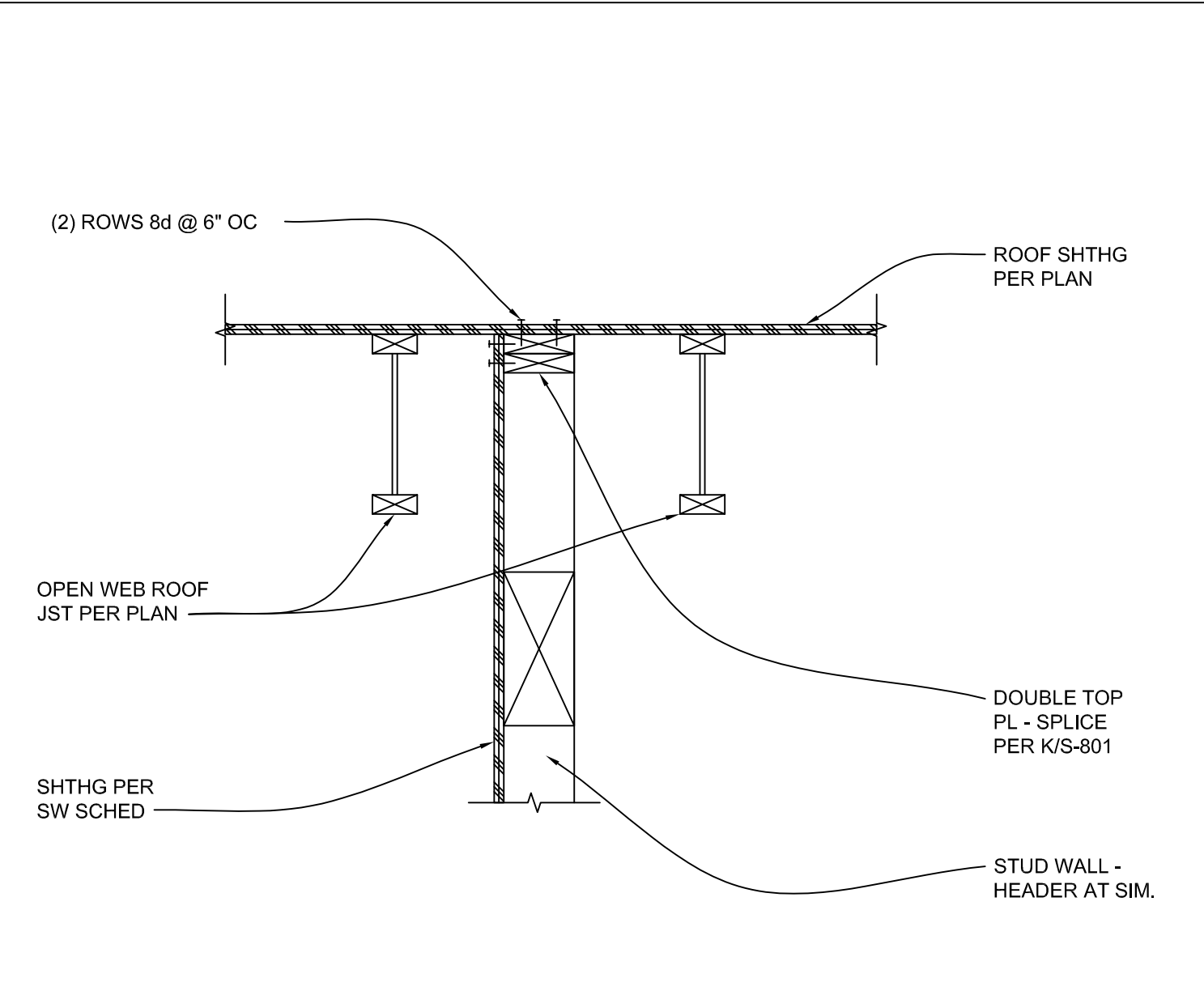
**G UPPER ROOF FRAMING DETAILS**  
SCALE: NTS



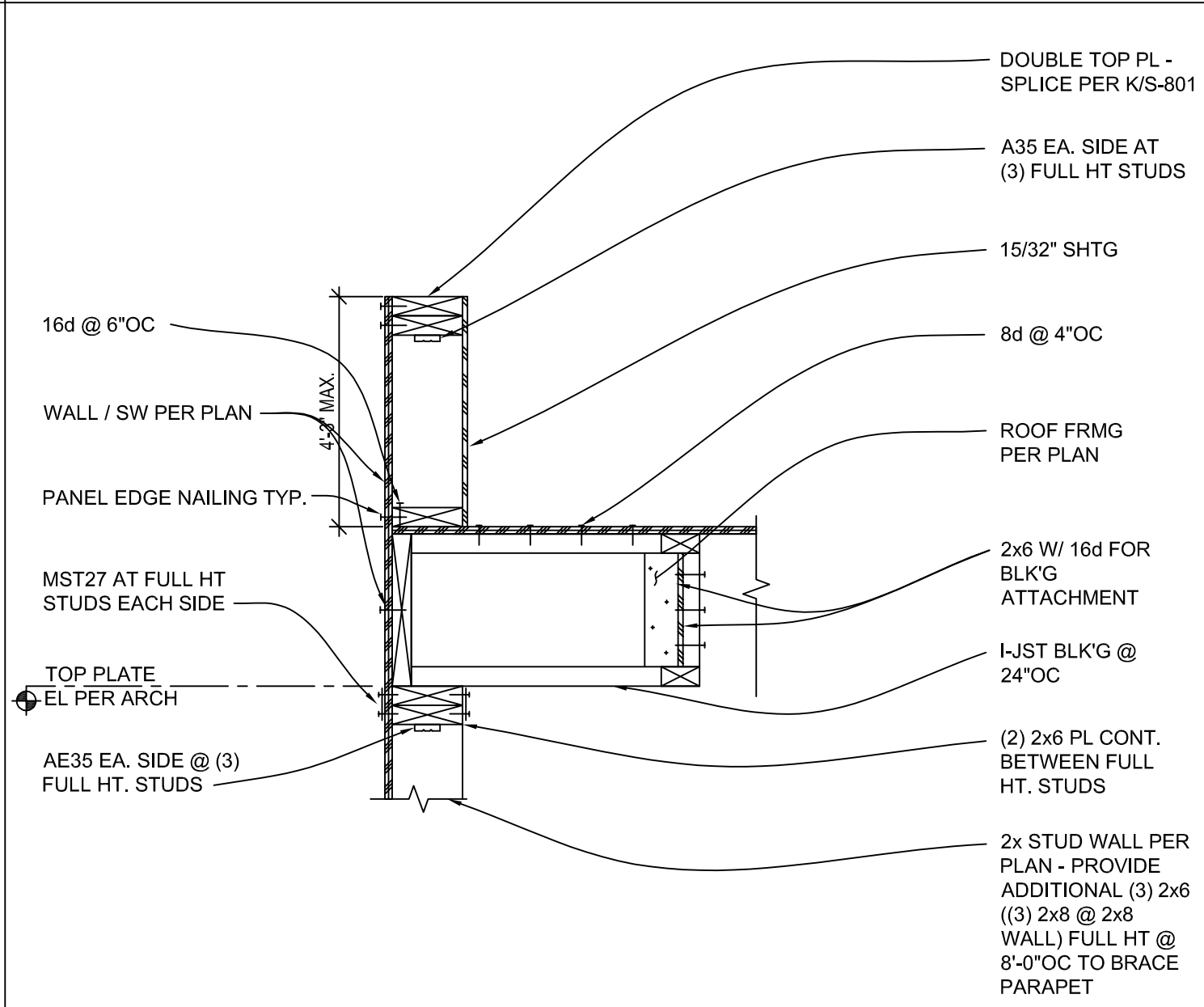
**F UPPER ROOF FRAMING DETAILS**  
SCALE: NTS



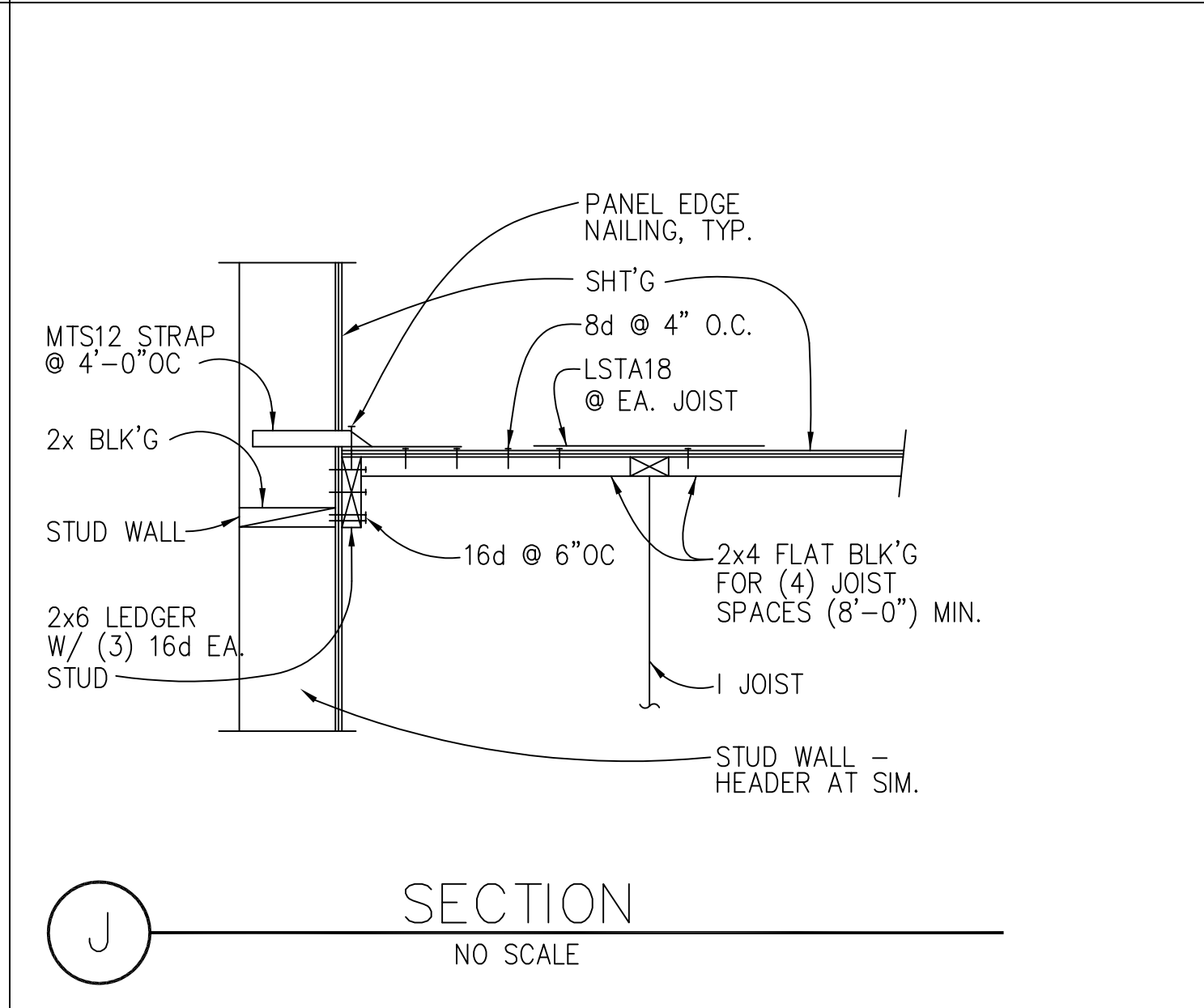
**E ROOF FRAMING DETAILS**  
SCALE: NTS



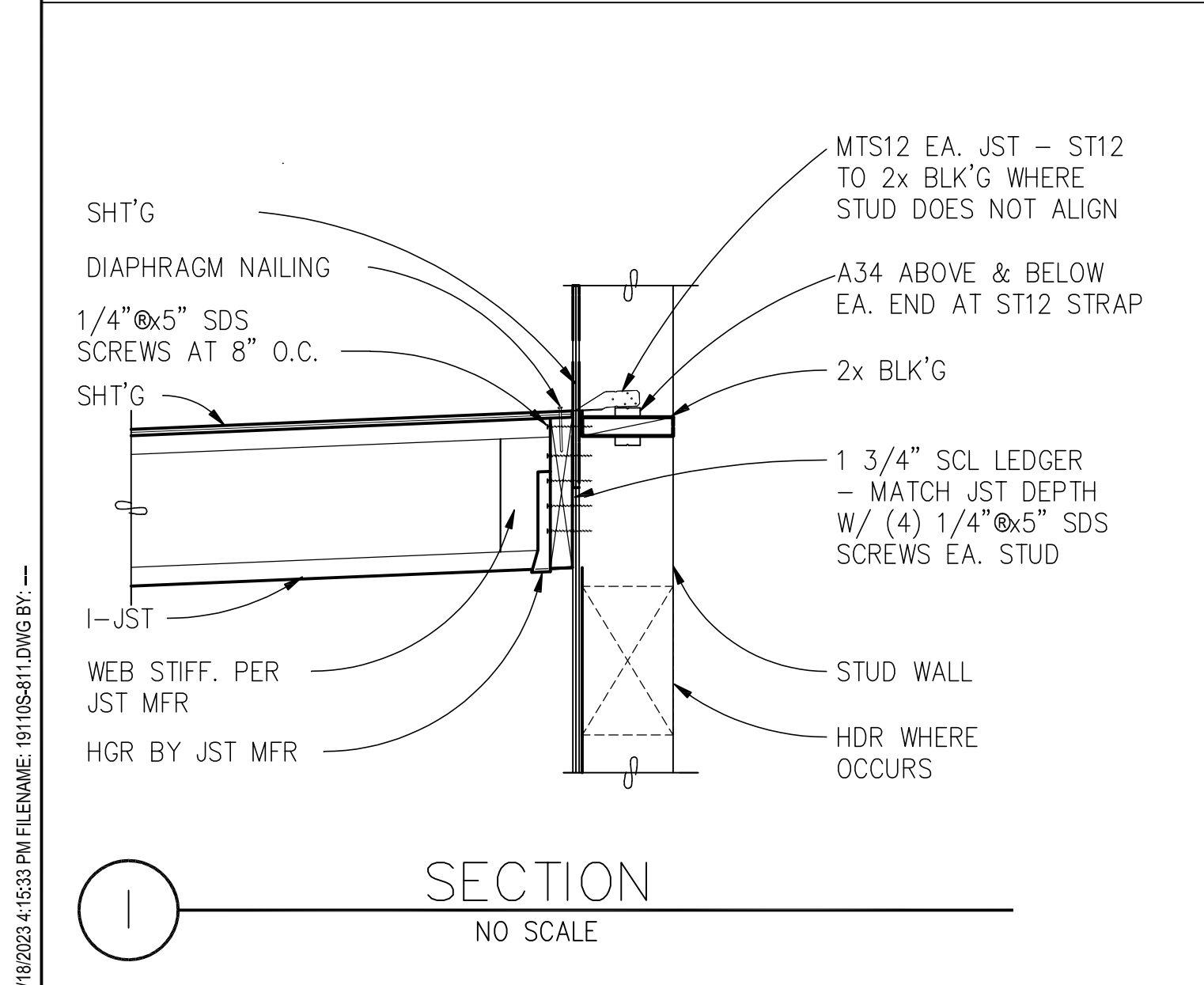
**M UPPER ROOF FRAMING DETAILS**  
SCALE: NTS



**K TYPICAL PARAPET DETAIL**  
SCALE: NTS



**J SECTION**  
NO SCALE



**I SECTION**  
NO SCALE

DATE PLOTTED: 7/18/2023 4:15:33 PM FILENAME: 19110S-811.DWG BY: --

MECHANICAL LEGEND

GENERAL

Table with 2 columns: SYMBOL and DESCRIPTION. Includes symbols for heavy/light lines, centerline, pipeline, callouts, and section indicators.

VENTILATION (CONT)

Table with 3 columns: DOUBLE, SINGLE, DESCRIPTION. Includes symbols for volume damper, backdraft damper, fire/smoke damper, flexible ductwork, and grilles.

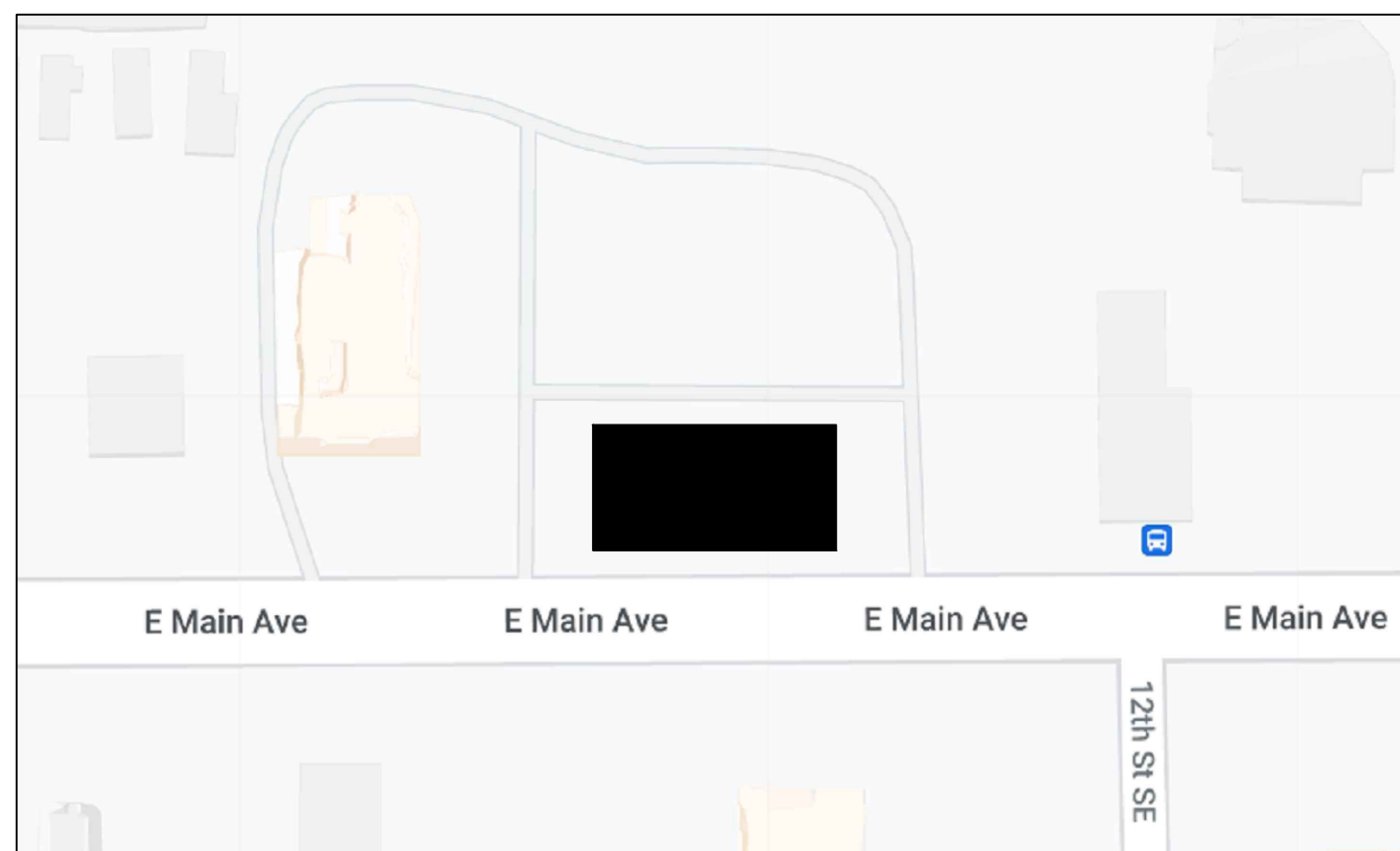
Table with 2 columns: SYMBOL and DESCRIPTION. Includes symbols for various ceiling diffusers and return/exhaust grilles.

EQUIPMENT

Table with 2 columns: SYMBOL and DESCRIPTION. Includes symbols for thermostat, CO2 sensor, and pressure sensor.

VENTILATION

Table with 3 columns: DOUBLE, SINGLE, DESCRIPTION. Includes symbols for ducts, soundlined duct, supply/return air ducts, round ducts, transitions, elbows, branch connections, and fittings.



VICINITY PLAN

no scale

2018 WSEC COMPLIANCE

- 1. HVAC LOAD CALCULATIONS MEET THE REQUIREMENTS OF WSEC SECTION C403.1.2 AND EQUIPMENT HAS BEEN SIZED IN ACCORDANCE WITH WSEC SECTION C403.1.2.
2. HVAC EQUIPMENT SHALL HAVE MINIMUM PERFORMANCE AT SPECIFIED RATING CONDITIONS NOT LESS THAN THE VALUES INDICATED IN TABLE C403.3.2(1)A THROUGH TABLE C403.3.2(12) OF THE WSEC AND AS INDICATED ON THE CONTRACT DOCUMENTS.
3. FAN SYSTEM MOTOR SIZE SHALL NOT EXCEED LIMITS OF WSEC SECTION C403.8.2.
4. PROVIDE DEADBAND BETWEEN HEATING/COOLING SPACE SENSOR SETPOINTS OF 5 DEGREES AS REQUIRED BY WSEC.
5. SIMULTANEOUS HEATING AND COOLING TO INDIVIDUAL ZONES SHALL BE PROHIBITED EXCEPT WHERE PERMITTED IN THE WSEC.
6. HVAC SYSTEMS SHALL BE EQUIPPED WITH AUTOMATIC CONTROLS CAPABLE OF ACCOMPLISHING SETBACK OR SHUTDOWN DURING UNOCCUPIED PERIODS AS REQUIRED BY WSEC SECTION C403.4.2.
7. GRAVITY DAMPERS FOR VENTILATION AIR INTAKES SHALL BE PROTECTED FROM DIRECT EXPOSURE TO WIND. GRAVITY DAMPERS SERVING EXHAUST SYSTEMS SHALL BE PROVIDED WITH A GASKETED SEAL.
8. MOTORIZED DAMPERS SHALL BE RATED CLASS I AND SHALL HAVE A MAXIMUM LEAKAGE RATE OF 4 CFM/SF AT 1.0 INCH W.G AS REQUIRED BY WSEC SECTION C403.7.8.3.
9. PROVIDE BALANCING DEVICES IN ALL BRANCH DUCTS TO TERMINAL DEVICES AS REQUIRED BY WSEC SECTION C408.2.2 AND AS INDICATED ON THE CONTRACT DOCUMENTS. EACH EXHAUST AIR GRILLE SHALL BE EQUIPPED WITH MEANS FOR AIR BALANCING IN ACCORDANCE WITH THE REQUIREMENTS OF IMC CHAPTER 6.
10. ALL DUCTWORK SHALL COMPLY WITH SMACNA STANDARDS FOR CONSTRUCTION OF GALVANIZED DUCTWORK. ALL DUCTWORK ON THIS PROJECT SHALL BE RATED AS LOW PRESSURE. ALL DUCTWORK SHALL BE SEALED AS REQUIRED BY WSEC SECTION C403.2.10.2
11. ALL DUCTWORK SHALL BE INSULATED AS REQUIRED BY WSEC SECTION C403.10.1 AND AS SCHEDULED IN THIS PLAN SET. DUCT SIZES SHOWN ON PLANS ARE NET, CLEAR DUCT SIZES.
12. ALL PIPING SHALL BE INSULATED AS REQUIRED BY WSEC SECTION C403.10.3.
13. MINIMUM MOTOR EFFICIENCY FOR MOTORS SHALL MEET THE REQUIREMENTS OF WSEC SECTION C405.8.
14. COMPLY WITH ALL COMMISSIONING AND COMPLETION REQUIREMENTS OF SECTIONS C103.6 AND C408 OF THE WSEC.

GENERAL NOTES

- 1. THE MECHANICAL SYSTEM SHALL CONSIST OF ALL WORK SHOWN ON DRAWINGS, DIAGRAMS, AND AS DESCRIBED IN SPECIFICATIONS.
2. INSTALL ALL MECHANICAL WORK AS HIGH AS POSSIBLE, TIGHT TO STRUCTURE ABOVE.
3. THE MECHANICAL PLANS ARE DIAGRAMMATIC IN NATURE AND DO NOT ATTEMPT TO SHOW ALL REQUIRED OFFSETS. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR CONSTRUCTION DETAILS.
4. ITEMS NOTED "TYPICAL" OR "TYP" ON ANY SHEET APPLY TO THAT PARTICULAR SHEET.
5. COORDINATE WITH SPECIFICATIONS. IN CASE OF CONFLICT BETWEEN SPECIFICATIONS AND DRAWINGS THE MORE STRINGENT SHALL APPLY.
6. PROVIDE NEC CODE MINIMUM HORIZONTAL AND VERTICAL WORKING CLEARANCES FOR ALL ELECTRICAL PANELS AND EQUIPMENT. OFFSET MECHANICAL WORK AS REQUIRED.
7. COORDINATE ALL MECHANICAL WORK WITH THAT OF OTHER TRADES TO INSURE PROPER AND ADEQUATE INTERFACE OF THEIR WORK WITH THE WORK OF THIS CONTRACTOR. PROVIDE COORDINATED SHOP DRAWINGS PRIOR TO FABRICATION AND INSTALLATION.
8. MECHANICAL EQUIPMENT SHALL NOT BE USED FOR TEMPORARY HEAT DURING CONSTRUCTION.
9. VERIFY EXISTING CONDITIONS BEFORE COMMENCING ANY WORK ON AN EXISTING MECHANICAL SYSTEM.
10. ALL DUCTWORK SIZES SHOWN ARE INSIDE CLEAR. ADD APPROPRIATE DIMENSION FOR INSULATION OR DUCT LINER TO OBTAIN "TOTAL" DUCT SIZE.
11. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL DIFFUSERS AND GRILLES.
12. PROVIDE TRANSITIONS AS REQUIRED TO CONNECT DUCTWORK TO AIR TERMINAL UNITS, FANS AND OTHER MECHANICAL EQUIPMENT.
13. PROVIDE DIFFUSER AND GRILLE FRAMES COMPATIBLE WITH ARCHITECTURAL CEILING TYPE. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING TYPE.
14. COORDINATE EXACT LOCATIONS OF ALL ROOM THERMOSTATS AND/OR ROOM TEMPERATURE SENSORS WITH ARCHITECT PRIOR TO INSTALLATION.
15. PROVIDE A VOLUME DAMPER FOR EACH SUPPLY, RETURN AND EXHAUST OPENING IN BRANCHES AND ELSEWHERE AS NOTED ON THE DRAWINGS OR SPECIFICATIONS.
16. MOTORS SHALL MEET THE MORE STRINGENT REQUIREMENTS OF EITHER THE WSEC OR THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA) OF 2007 ENFORCED BY THE DEPARTMENT OF ENERGY.

ABBREVIATIONS

Table of abbreviations including AFF (Above Finished Floor), ARCH (Architectural), BDD (Backdraft Damper), CFM (Cubic Feet Per Minute), CO (Cleanout), CONT (Continuation), CW (Cold Water), DEG (Degree), DIA (Diameter), DN (Down), EF (Exhaust Fan), ESP (External Static Pressure), EXIST (E) (Existing), F (Fahrenheit), FD (Floor Drain), FLA (Full Load Ampacity), FPM (Feet Per Minute), FT (Feet/Foot), GPM (Gallons Per Minute), HW (Hot Water), IE (Invert Elevation), IN (Inch), KW (Kilowatt), LBS (Pounds), MAX (Maximum), MCA (Minimum Current Ampacity), MECH (Mechanical), MFR (Manufacturer), MIN (Minimum), MOD (Motor Operated Damper), OA (Outside Air), POC (Point of Connection), RPM (Revolutions Per Minute), SF (Supply Fan/Square Feet), SPEC (Specification), TSP (Total Static Pressure), TYP (Typical), V (Vent), VTR (Vent Through Roof), W (Waste/Watt), WG (Water Gage).

APPLICABLE CODES

- PROJECT SHALL COMPLY WITH THE FOLLOWING BUILDING CODES WITH LOCAL AND WASHINGTON STATE AMENDMENTS:
1. 2018 INTERNATIONAL BUILDING CODE
2. 2018 INTERNATIONAL MECHANICAL CODE
3. 2018 UNIFORM PLUMBING CODE
4. 2018 WASHINGTON STATE ENERGY CODE
5. 2018 INTERNATIONAL FUEL GAS CODE

DRAWING INDEX

- M-1: LEGEND, DRAWING INDEX, ABBREVIATIONS, NOTES, VICINITY PLAN, PARCEL DATA, AND ENERGY CODE COMPLIANCE.
M-2: SCHEDULES
M-3: SCHEDULES
M-4: HVAC FLOOR PLAN
M-5: HVAC ROOF PLAN
M-6: DETAILS
M-7: DETAILS, CONTROL SEQUENCES, ROOFTOP UNIT CURBS, LOAD CALCULATION
M-8: MECHANICAL COMMISSIONING

PARCEL DATA

PARCEL #: 7845100032
LEGAL DESCRIPTION: SECTION 27 TOWNSHIP 20 RANGE 04 QUARTER 13 SPINNINGS FRANK R REPLAT PARCEL '2' OF DBLR 2003-05-28-5004 DESC AS FOLL S 163.57 FT OF E 124.08 FT OF L 4 & S 163.57 FT OF W 93.01 FT OF L 5 SUBJ TO & TOG/W EASE, RESTRICT & RESERV OF REC OUT OF 003-1, 0 RTSQ

City of Puyallup Development & Permitting Services ISSUED PERMIT. Includes icons for Building, Planning, Engineering, Public Works, Fire, and Traffic.



336 NW 50th Street
Seattle, WA 98107
Phone: 206.235.0002
rainbowconsulting-me.com



PROJECT: NEW CONSTRUCTION
TACO TIME
EAST MAIN STREET
PUYALLUP, WA 98372

REVISIONS

Table with 2 columns: NO. and DESCRIPTION. Includes a row for DATE: 7.6.2023.

DATE: 7.6.2023

BCRA NO. 19110.00.00

DRAWN BY:

REVIEWED BY:

SHEET TITLE:

CODE COMPLIANCE
ABBREVIATIONS
NOTES, LEGEND
VICINITY MAP
DRAWING INDEX



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M-1

PERMIT SET

TYPE I KITCHEN HOOD																			
MARK	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)						TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG		
									WIDTH	LENG	HEIGHT	DIA	CFM	VEL			SP	END TO END	ROW
H-1	5424 ND-2-PSP-F	CAPTIVEAIRE	14' 6"	600 DEG	I	HEAVY	240	3480			4"	14"	1740	1628	-0.723"	3132	430 SS WHERE EXPOSED	ALONE	ALONE
										4"	14"	1740	1628	-0.723"					

TYPE I KITCHEN HOODS (CONT.)																		
MARK	TYPE	FILTER(S)			EFFICIENCY @ 7 MICRONS	QTY	LIGHT(S)			LOCATION	SIZE	UTILITY CABINET(S)				FIRE SYSTEM PIPING	HOOD HANGING WEIGHT	NOTES
		QTY	HEIGHT	LENGTH			QTY	TYPE	WIRE GUARD			FIRE SYSTEM		ELECTRICAL	SWITCHES			
												TYPE	SIZE	MODEL #	QUANTITY			
H-1	CAPTRATE SOLD FILTER	10	20"	16"	85% SEE FILTER SPEC	5	SCREW IN HALOGEN	NO	LEFT	12"x54"x24"	TANK FS	4.0/4.0/4.0	DCV-1111	1 LIGHT 1 FAN	YES	1352 LBS	[1,2,3,4,5,6]	

- NOTES:
1. PROVIDE THERMAL INTERLOCK WITH GREASE EXHAUST FAN, GEF-1.
  2. PROVIDE LEFT AND RIGHT QUARTER END PANELS.
  3. PROVIDE INSULATED BACK PANEL AND INSULATED TOP PANEL.
  4. TYPE 430 STAINLESS STEEL, 20-GAUGE DOUBLE WALL CONSTRUCTION.
  5. ETL LISTED. COMPLIES WITH UL710, ULC710, AND ULC-S646 STANDARDS. BUILT IN COMPLIANCE WITH NSF/ANSI STANDARD 2.

PERFORATED SUPPLY PLENUMS										
MARK	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)				
						WIDTH	LENG	DIA	CFM	SP
H-1	Front	186"	18"	6"	MUA	12"	28"		783	0.229"
					MUA	12"	28"		783	0.229"
					MUA	12"	28"		783	0.229"
					MUA	12"	28"		783	0.229"

GREASE EXHAUST FANS															
MARK	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SDNES	NOTES
GEF-1	DU180HFA	CAPTIVEAIRE	3480	1.500	1394	DDP,PREMIUM	3	1.95	3	208	9.5	804 FPM	200	22	[1,2,3,4]

- NOTES:
1. REFER TO DETAIL 3 ON SHEET M-6.
  2. PROVIDE 24" VENTED HINGED CURB, GREASE BOX, GREASE CUP, HEAT BAFFLE, AND CERAMIC SEAL.
  3. PROVIDE WITH VARIABLE FREQUENCY DRIVE.
  4. FAN MOTOR SHALL HAVE A FAN EFFICIENCY GRADE OF NOT LESS THAN FEG 71 AS DEFINED IN AMCA 205.

GRILLES, REGISTERS & DIFFUSERS											
MARK	SERVICE	CD1	CD3	CD4	CD5	CD6	CD7	RG1	RG2	EG1	
ITEM	LOCATION	SUPPLY EXPOSED OR LID	SUPPLY LAY-IN CEILING	SUPPLY LAY-IN CEILING	SUPPLY LAY-IN CEILING	SUPPLY HARD LID	SUPPLY HARD LID	RETURN LAY-IN CEILING	RETURN SIDE WALL	EXHAUST HARD LID	
TYPE	DESCRIPTION	ROUND DIFFUSER	LOUVERED DIFFUSER	LOUVERED DIFFUSER	PERF. DIFFUSER	LOUVERED DIFFUSER	SLOT DIFFUSER	EGGRATE	LOUVERED GRILLE	LOUVERED	
	MATERIAL	STEEL	STEEL	STEEL	STEEL	STEEL	ALUMINUM	ALUMINUM	STEEL	STEEL	
	FACE SIZE: IN	22 Ø	24 x 24	24 x 24	24 x 24	12 x 12	2 x 3/4" SLOT	24 x 24	36 x 20	12 x 12	
	BORDER TYPE	[1]	[1]	[1]	[1]	[1]	[1]	[1]	-	[1]	
CAPACITY	DUCT SIZE: IN	12Ø	8Ø	10Ø	12Ø	6Ø	6Ø	SEE PLANS	SEE PLANS	SEE PLANS	
	NECK SIZE: IN	12Ø	9 x 9	12 x 12	12Ø	6 x 6	48 x 4	22 x 22	36 x 20	12 x 12	
	MAX NC: [2]	25	25	25	30	25	25	30	30	25	
BASIS OF DESIGN	MANUFACTURER	TITUS	TITUS	TITUS	CAPTIVE AIRE	TITUS	TITUS	TITUS	TITUS	TITUS	
	MODEL	TMR	TDC	TDC	DI-PSP	TDC	ML-38	50F	350RL	355	
REMARKS	NOTES	[6]	[4]	[4]	[4]	[4]	-	[5]	-	[5]	

- NOTES:
1. PROVIDE GRILLES WITH BORDER STYLES THAT ARE COMPATIBLE WITH ADJACENT CEILING SYSTEMS, REFER TO ARCH DWGS.
  2. NC BASED ON OCTAVE BANDS 2 - 7 SOUND POWER LEVELS MINUS A ROOM ABSORPTION OF 10 DB, MEASURED PER ASHRAE 70-91.
  3. PROVIDE DUCT CONNECTION SIZE EQUAL TO NECK SIZE UNLESS NOTED ON PLANS.
  4. SEE DETAIL 2 ON SHEET M-6. 5. SEE DETAIL 6 ON SHEET M-6. 6. SEE DETAIL 7 ON SHEET M-6.

OUTSIDE AIR CALCULATION									
East Dining	Dining/Queuing	West Dining	Office	Dry Storage/Kitchen	Drive Thru Service	Cookline	Food Prep		
Rp	7.5	Rp	7.5	Rp	7.5	Rp	5		
Pz	36	Pz	20	Pz	16	Pz	1		
Ra	0.18	Ra	0.18	Ra	0.18	Ra	0.06	Ra	0.7
Az	660	Az	452	Az	234	Az	36	Az	151
								Ra	0.7
								Az	240
								Az	180
Vbz = Rp*Pz + Ra*Az	Vbz = Rp*Pz + Ra*Az	Vbz = Rp*Pz + Ra*Az	Vbz = Rp*Pz + Ra*Az	Vbz = Ra*Az	Vbz = Ra*Az	Vbz = Ra*Az	Vbz = Ra*Az	Vbz = Ra*Az	Vbz = Ra*Az
Vbz = 389	Vbz = 231	Vbz = 162	Vbz = 7	Vbz = 246	Vbz = 106	Vbz = 168	Vbz = 126		

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

GAS-FIRED MAKEUP AIR UNITS		
MARK	MUA-1	
SERVES	TYPE I HOOD SUPPLY AIR	
LOCATION	ROOF	
FAN	TYPE	CENTRIFUGAL FC
	DESIGN AIR FLOW: CFM	3,135
	MINIMUM AIR FLOW: CFM	2,000
	ESP: IN WG	0.50
	RPM	1262
	BHP	1.16
	MOTOR: HP	2
BURNER	INPUT: BTU/H	181,616
	OUTPUT: BTU/H	167,087
	TYPE:	MODULATING
	GAS CONN.: IN	3/4
FILTERS	TYPE	2" THROW/ 30%
ELECTRICAL	VOLTAGE	208/3
	FLA: AMPS	8.3
COMPONENTS	COOLING COIL	NO
	HUMIDIFIER	NO
WEIGHT	WEIGHT: LBS	683
BASIS OF DESIGN	MANUFACTURER	CAPTIVE-AIRE
	MODEL	A2-D.250-20D
REMARKS	NOTES	[1, 2, 3, 4, 5, 6, 7]

- NOTES:
1. SEE DETAIL 7 ON SHEET M-6.
  2. PROVIDE SOUND INSULATED CABINET AND CLASS 1 MOTORIZED DAMPER.
  3. PROVIDE SUPPLY AIR SMOKE DETECTOR.
  4. INTERLOCK WITH EXHAUST FAN, GEF-1.
  5. PROVIDE 24-INCH INSULATED CURB.
  6. PROVIDE LOW FIRE START, INLET PRESSURE GAUGE, MANIFOLD PRESSURE GAUGE.
  7. PROVIDE WITH VARIABLE FREQUENCY DRIVE.

EXHAUST FANS		
MARK	EF-1	
LOCATION	ROOF	
SERVES	RESTROOMS	
TYPE	DESCRIPTION	CENTRIF. DOME
	DRIVE	DIRECT (ECM)
CAPACITY	FLOW: CFM	210
	ESP: IN WG	0.375
	FAN SPEED: RPM	1550
	MOTOR HP	1/10
	VOLT/PHASE	115/1
OPER WEIGHT	WEIGHT: LBS	19
BASIS OF DESIGN	MANUFACTURER	GREENHECK
	MODEL	G-080-VG
REMARKS	NOTES	[1, 2]

- NOTES:
1. REFER TO DETAIL 4 ON SHEET M-6.
  2. PROVIDE WITH INTEGRAL MOTORIZED DAMPER, BIRDSCREEN AND 12-INCH CURB.

### DUCT INSULATION (PER WSEC SECTION C403.10.1 CLIMATE ZONE 4C)

DUCT TYPE	DUCT LOCATION	AIRFLOW	INSULATION R-VALUE	OTHER REQUIREMENTS
OUTSIDE AIR	INSIDE CONDITIONED SPACE AND UPSTREAM OF AUTOMATIC SHUTOFF DAMPER	≥2800 CFM	R-16	SEE WSEC SECTION C403.10.1.1 FOR ADDITIONAL REQUIREMENTS
OUTSIDE AIR	INSIDE CONDITIONED SPACE AND DOWNSTREAM OF AUTOMATIC SHUTOFF DAMPER TO HVAC UNIT OR ROOM	≥2800 CFM	R-8	
OUTSIDE AIR	INSIDE CONDITIONED SPACE	<2800 CFM	R-7	
SUPPLY AIR OR RETURN AIR	OUTSIDE THE BUILDING (OUTDOORS AND EXPOSED TO WEATHER INCLUDING ATTICS ABOVE INSULATED CEILINGS, PARKING GARAGES AND CRAWL SPACES)	ALL	R-8	SEE WSEC SECTION C403.10.1.2 FOR DETAILS
SUPPLY AIR OR RETURN AIR	UNCONDITIONED SPACE (ENCLOSED BUT NOT IN THE BUILDING CONDITIONED ENVELOPE)	ALL	R-6	SEE WSEC SECTION C403.10.1.2 FOR DETAILS
SUPPLY AIR OR RETURN AIR	UNCONDITIONED SPACE WHERE THE DUCT CONVEYS AIR THAT IS WITHIN 15-DEG F OF THE AIR TEMPERATURE OF THE SURROUNDING UNCONDITIONED SPACE.	ALL	R-3.3	SEE IMC SECTION 603.12 FOR ADDITIONAL REQUIREMENTS FOR CONDENSATE CONTROL
SUPPLY AIR OR RETURN AIR	WHERE LOCATED IN A BUILDING ENVELOPE ASSEMBLY	ALL	R-16	DUCT OR PLENUM IS SEPARATED FROM BUILDING ENVELOPE ASSEMBLY WITH THE MINIMUM INSULATION VALUE
SUPPLY AIR	WITHIN CONDITIONED SPACE WHERE THE SUPPLY DUCT CONVEYS AIR THAT IS LESS THAN 55 DEG-F OR GREATER AND 105 DEG-F	ALL	R-3.3	SEE WSEC SECTION C403.10.1.2 FOR DETAILS
SUPPLY AIR	WITHIN CONDITIONED SPACE THAT THE DUCT DIRECTLY SERVES WHERE THE SUPPLY DUCT CONVEYS AIR THAT IS LESS THAN 55 DEG-F OR GREATER AND 105 DEG-F OR LESS	ALL	NONE	SEE WSEC SECTION C403.10.1.2 FOR DETAILS
SUPPLY AIR	WITHIN CONDITIONED SPACE WHERE THE SUPPLY DUCT CONVEYS AIR THAT IS 55 DEG-F OR GREATER AND 105 DEG-F OR LESS	ALL	NONE	
RETURN AIR OR EXHAUST AIR	WITHIN CONDITIONED SPACE DOWNSTREAM OF AN ENERGY RECOVERY MEDIA, UPSTREAM OF AN AUTOMATIC SHUTOFF DAMPER	ALL	R-8	
RELIEF AIR OR EXHAUST AIR	WITHIN CONDITIONED SPACE AND DOWNSTREAM OF AN AUTOMATIC SHUTOFF DAMPER	ALL	R-16	

### GAS/ELECTRIC ROOFTOP UNITS

MARK LOCATION SERVES	RTU-1	RTU-2	
	ROOF	ROOF	
DESCRIPTION	NOM CLG: TONS 6	RTU-2 5	
	CONFIGURATION HORIZONTAL	DOWNFLOW	
	REFRIGERANT R-410A	R-410A	
COOLING [3, 9]	GROSS COOLING: MBH 71.01	60.71	
	EFFICIENCY: 12.8 EER/23.2 IEER	19.4 SEER	
HEATING	INPUT: MBH 120	80	
	OUTPUT: MBH 97.2	64	
	EFFICIENCY: AFUE% 80	80	
	GAS CONN.: IN 1/2	1/2	
SUPPLY FAN	FLOW: CFM 2,400 (6)	1,990	
	ESP: IN WG 0.70	0.70	
	DRIVE DIRECT	DIRECT	
	SPEED: RPM -	-	
	FAN MOTOR: HP 2.75	1	
	FAN CONTROL VARIABLE SPEED	CONSTANT	
OSA VENTILATION	MIN FLOW: CFM 800 [5]	655	
FILTER	TYPE 2" THROW	2" THROW	
	EFFICIENCY: % 30	30	
	MAX FACE VEL: FPM 500	500	
ELECTRICAL	MIN CKT AMPACITY 39.0	26.0	
	VOLTS/PHASE 208/3	208/3	
ACCESSORIES	100% ECONOMIZER YES [7]	YES [4]	
	ROOF CURB [2]	[2]	
OPER. WEIGHT	WEIGHT: LBS [8] 1009	995	
SOUND POWER	OUTDOOR DBA 89	87	
BASIS OF DESIGN	MANUFACTURER TRANE	TRANE	
	MODEL YZC072F3RMA	YZC060E3RMA	
REMARKS	NOTES [1, 5]	[1]	

- NOTES:
- PROVIDE WITH 7-DAY PROGRAMMABLE THERMOSTAT CAPABLE OF BEING SET FOR SEVEN DIFFERENT DAY TYPES PER WEEK BY TRANE.
  - PROVIDE WITH 18-INCH SEISMIC ROOF CURB. ALSO REFER TO DETAIL 5 ON SHEET M-5. RTU-1 AND RTU-2: MICROMETL CRBW-PRCCCGA-1841.
  - CAPACITY PER ARI STANDARDS.
  - PROVIDE WITH FACTORY INSTALLED LOW LEAKAGE ECONOMIZER (PER TRANE: 3 CFM/SF @ 1"WG EXTERIOR AIR, 4 CFM/SF @ 1"WG RETURN AIR; STANDARD WITH BAROMETRIC RELIEF).
  - PROVIDE CO2 SENSOR OPTION & RELATED CONTROLS; PROVIDE OPTIMUM START CONTROLS.
  - PROVIDE VARIABLE SPEED FAN CONTROL.
  - PROVIDE WITH LOW LEAKAGE ECONOMIZER FOR HORIZONTAL DUCT CONFIGURATION, MICROMETL ECE-PRCCECB-DREB
  - WEIGHT DOES NOT INCLUDE ROOF CURB.
  - PROVIDE COMPRESSOR WITH VARIABLE SPEED CONTROL.

### RTU FAULT DETECTION & DIAGNOSTICS

RTU-1 AND RTU-2 SHALL INCLUDE A FAULT DETECTION AND DIAGNOSTICS (FDD) SYSTEM COMPLYING WITH THE FOLLOWING:	4.3 COMPRESSOR ENABLED.
1. THE FOLLOWING TEMPERATURE SENSORS SHALL BE PERMANENTLY INSTALLED TO MONITOR SYSTEM OPERATION:	4.4 HEATING ENABLED.
1.1. OUTSIDE AIR.	4.5 MIXED AIR LOW LIMIT CYCLE ACTIVE.
1.2. SUPPLY AIR.	4.6 THE CURRENT VALUE OF EACH SENSOR.
1.3. RETURN AIR.	5. THE UNIT CONTROLLER SHALL BE CAPABLE OF MANUALLY INITIATING EACH OPERATING MODE SO THAT THE OPERATION OF COMPRESSORS, ECONOMIZERS, FANS AND THE HEATING SYSTEM CAN BE INDEPENDENTLY TESTED AND VERIFIED.
2. TEMPERATURE SENSORS SHALL HAVE AN ACCURACY OF ±2°F OVER THE RANGE OF 40°F TO 80°F.	6. THE UNIT SHALL BE CONFIGURED TO REPORT FAULTS TO A FAULT MANAGEMENT APPLICATION ACCESSIBLE BY DAY-TO-DAY OPERATING OR SERVICE PERSONNEL OR ANNUNCIATED LOCALLY ON ZONE THERMOSTATS.
3. REFRIGERANT PRESSURE SENSORS, WHERE USED, SHALL HAVE AN ACCURACY OF ±3 PERCENT OF FULL SCALE.	7. THE FDD SYSTEM SHALL BE CONFIGURED TO DETECT THE FOLLOWING FAULTS:
4. THE UNIT CONTROLLER SHALL BE CONFIGURED TO PROVIDE SYSTEM STATUS BY INDICATING THE FOLLOWING:	7.1 AIR TEMPERATURE SENSOR FAILURE/FAULT.
4.1. FREE COOLING AVAILABLE.	7.2 NOT ECONOMIZING WHEN THE UNIT SHOULD BE ECONOMIZING.
4.2. ECONOMIZER ENABLED.	7.3 ECONOMIZING WHEN THE UNIT SHOULD NOT BE ECONOMIZING.
	7.4 DAMPER NOT MODULATING.
	7.5 EXCESS OUTDOOR AIR.

### TABLE C406.1 EFFICIENCY PACKAGE CREDITS

1. MORE EFFICIENT HVAC PERFORMANCE IN ACCORDANCE WITH SECTION C406.2

5-TON RTU MINIMUM SEER RATING = 14.0. 105% OF 14.0 = 14.7. PROVIDED SEER RATING = 19.4 (132%)

6-TON RTU MINIMUM EER RATING = 11.0. 105% OF 11.0 = 11.6. PROVIDED EER RATING = 12.8 (110%)

6-TON RTU MINIMUM IEER RATING = 12.7. 105% OF 12.7 = 13.3. PROVIDED EER RATING = 23.2 (183%)

MINIMUM AFUE RATING = 80.0. 105% OF 80.0 = 84.0. WEIGHTED AVERAGE AFUE RATING = 86.2

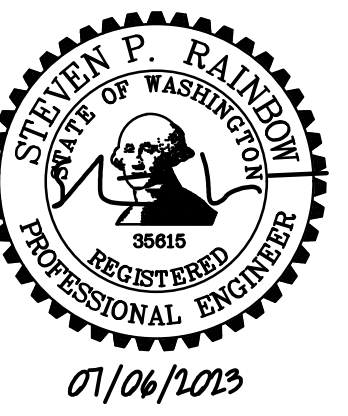
WEIGHTED AVERAGE EXCEEDS 15%.

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PROJECT:  
NEW CONSTRUCTION  
TACO TIME  
EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS

NO.	DATE	DESCRIPTION

DATE: 7.6.2023  
RCSA NO: 19110.00.00  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: SCHEDULES



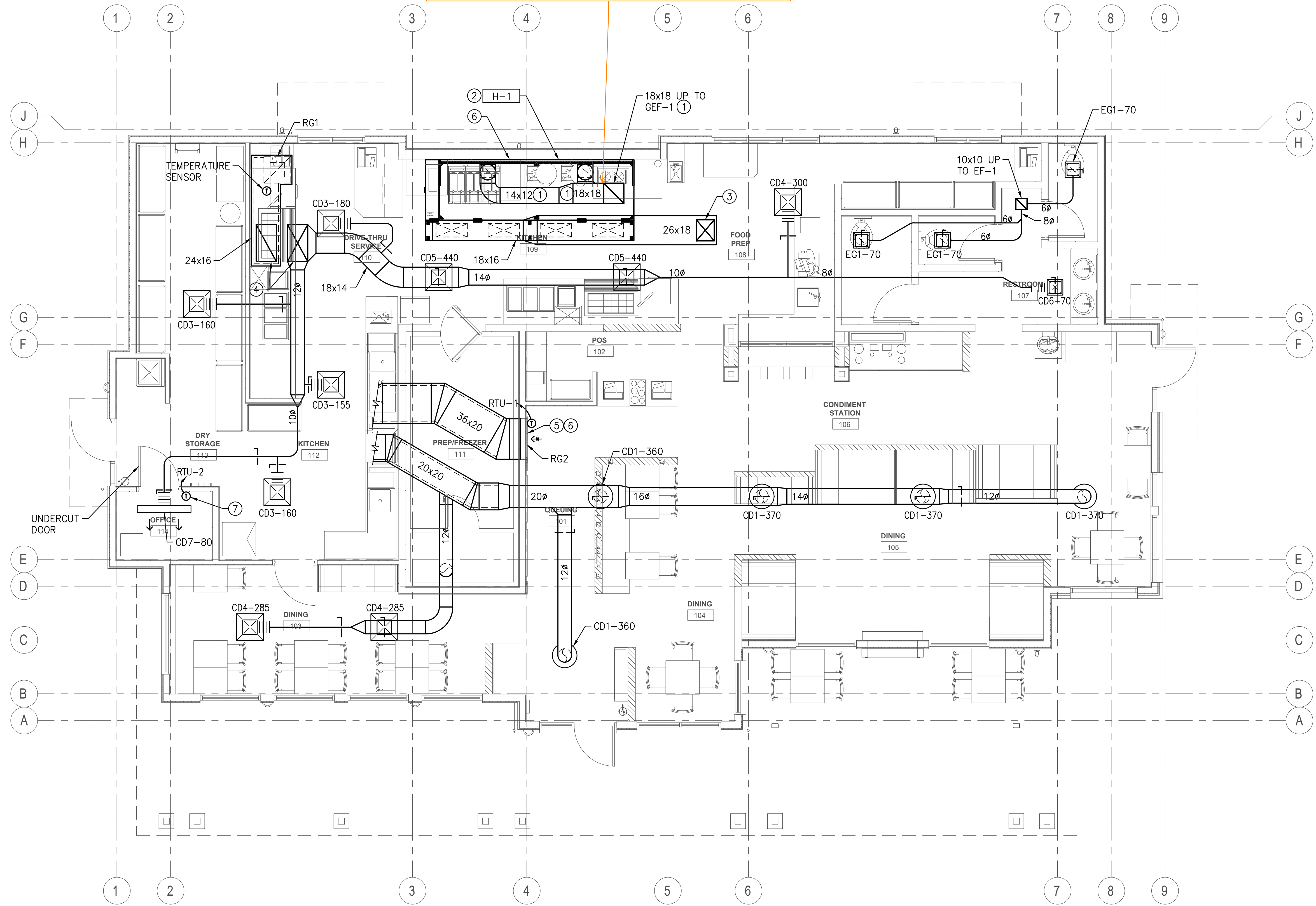
[2018 Washington State Mechanical Code, section 506.3.1.1]  
Grease Duct Materials  
Grease ducts serving Type I hoods shall be constructed of steel having a minimum thickness of 0.0575 inch (1.463 mm) (No. 16 gage) or stainless steel not less than 0.0450 inch (1.14 mm) (No. 18 gage) in thickness. Exception: Factory-built commercial kitchen grease ducts listed and labeled in accordance with UL 1978 and installed in accordance with Section 304.1.

PLAN NOTES:

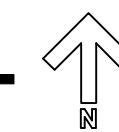
- ALL DUCTWORK SHALL BE GALVANIZED SHEET METAL UNLESS OTHERWISE NOTED AND INSTALLED IN ACCORDANCE WITH SMACNA REQUIREMENTS. REFER TO DUCT HANGER DETAILS ON SHEETS M-6 AND M-7. EXCEPT GREASE EXHAUST DUCTWORK, ALL DUCTWORK SHALL BE LOW PRESSURE CONSTRUCTION.
- EXPOSED DUCTWORK SHALL BE SPIRAL WOUND CONSTRUCTION UNLESS OTHERWISE NOTED. EXPOSED DUCTWORK SHALL HAVE FINISH SUITABLE FOR PAINTING IF PAINTED DUCTS ARE REQUIRED BY ARCHITECT.
- FLEXIBLE CONNECTORS: PROVIDE UL LISTED 181 FLEXIBLE CONNECTORS PER INTERNATIONAL MECHANICAL CODE SECTION 603.2.1.
- TYPE I GREASE EXHAUST DUCTWORK SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 506 OF THE INTERNATIONAL MECHANICAL CODE. GREASE EXHAUST DUCTWORK SHALL BE MINIMUM 16 GAGE GALVANIZED STEEL.
- WHERE VOLUME DAMPERS ARE CONCEALED WITHIN A HARD LID CEILING, PROVIDE CONCEALED YOUNG REGULATOR SERIES 301 OR EQUAL.

KEY NOTES:

- WRAP ALL GREASE EXHAUST DUCTWORK WITH 3M FIRE BARRIER DUCT WRAP 615+, 2 LAYERS, 1.5-IN THICK, 2-HR FIRE RATING PER ASTM E 2336 AND NFPA-96.
- PROVIDE FULL SIZE SUPPLY AIR PLENUM DUCT AND EXHAUST DUCT CONNECTIONS PER THE HOOD SCHEDULE. PROVIDE 3-INCH INSULATED BACKING WITH HOOD.
- FULL SIZE SUPPLY AIR CONNECTION UP TO MUA ON ROOF. LINE DUCTWORK WITH 2-INCH THICK INTERNAL ACOUSTICAL DUCTLINER.
- FULL SIZE SUPPLY AND RETURN CONNECTIONS UP TO ROOFTOP UNIT.
- FULL SIZE SUPPLY AND RETURN CONNECTIONS UP TO ROOFTOP UNIT, RTU-1. TRANSITION AS REQUIRED TO AVOID STRUCTURE.
- LOCATE CO2 SENSOR WITHIN RETURN AIR DUCT IN AN ACCESSIBLE LOCATION.
- LOCATE THERMOSTAT FOR RTU-2 IN OFFICE, WITH TEMPERATURE SENSOR LOCATED IN RETURN AIR DUCTWORK.



HVAC FLOOR PLAN  
1/4" = 1'-0"



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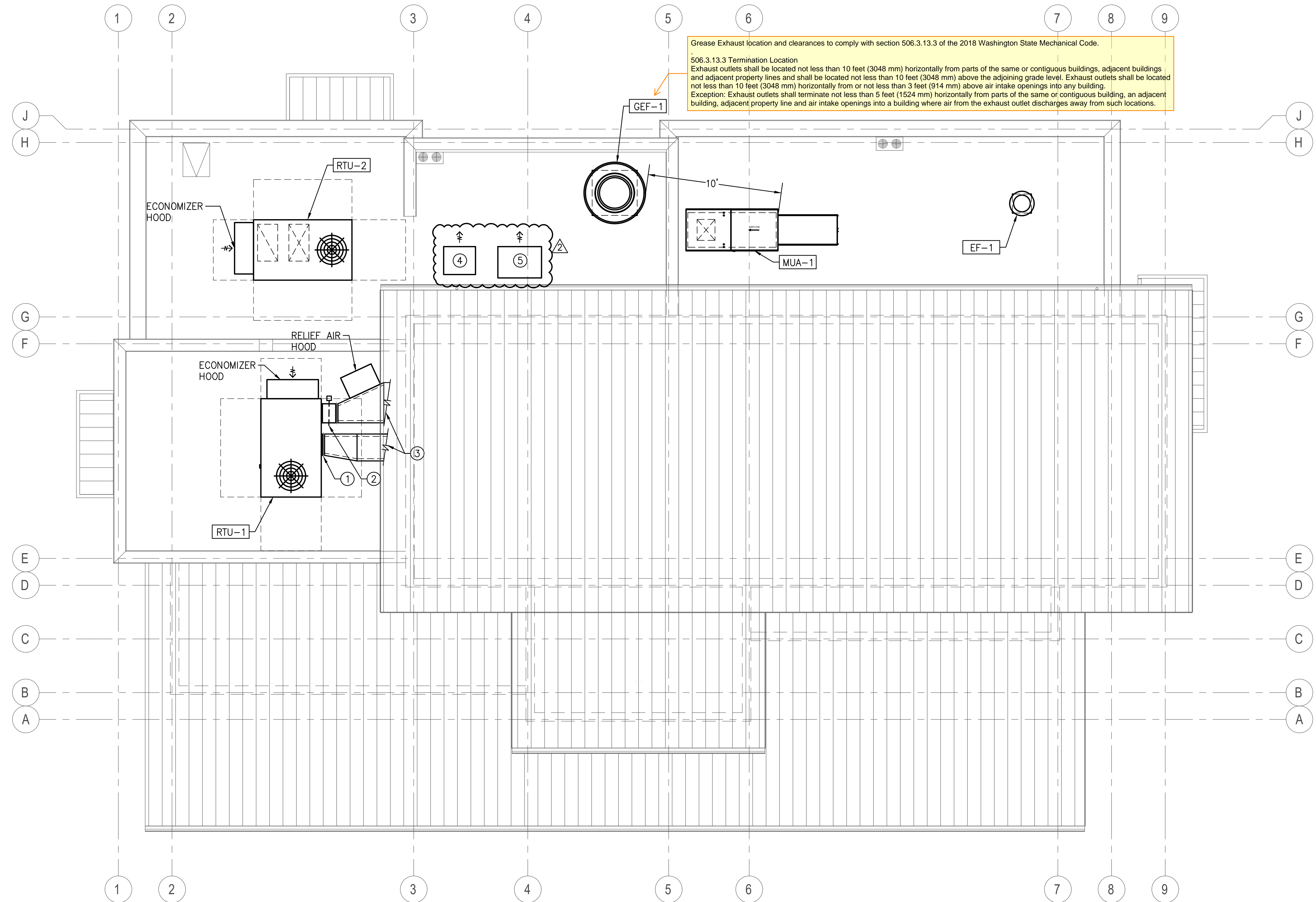
DATE: 7.6.2023  
RCS# NO: 19110.00.00  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: HVAC PLAN

PLAN NOTES:

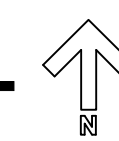
- 1. REFER TO ARCHITECTURAL DOCUMENTS FOR SCREENING OF MECHANICAL EQUIPMENT ON THE ROOF AS REQUIRED.

KEY NOTES:

- 1 FLEXIBLE DUCT CONNECTIONS, RATED FOR OUTDOOR APPLICATIONS (2 TYP).
- 2 RETURN AIR DAMPER. PROVIDE CLASS 1 MOTORIZED DAMPER; CLASS 1 DAMPER SHALL HAVE A MAXIMUM LEAKAGE RATE OF 4 CFM/SF AT 1.0 INCH WATER GAUGE
- 3 REFER TO DUCT INSULATION SCHEDULE ON SHEET M-3. DUCTS LOCATED OUTSIDE SHALL BE INTERNALLY INSULATED WITH ACOUSTICAL DUCT LINER.
- 4 FREEZER CONDENSING UNIT, 173 LBS. SHOWN FOR COORDINATION REFERENCE ONLY.
- 5 COOLER CONDENSING UNIT, 230 LBS. SHOWN FOR COORDINATION REFERENCE ONLY.



HVAC ROOF PLAN  
1/4" = 1'-0"

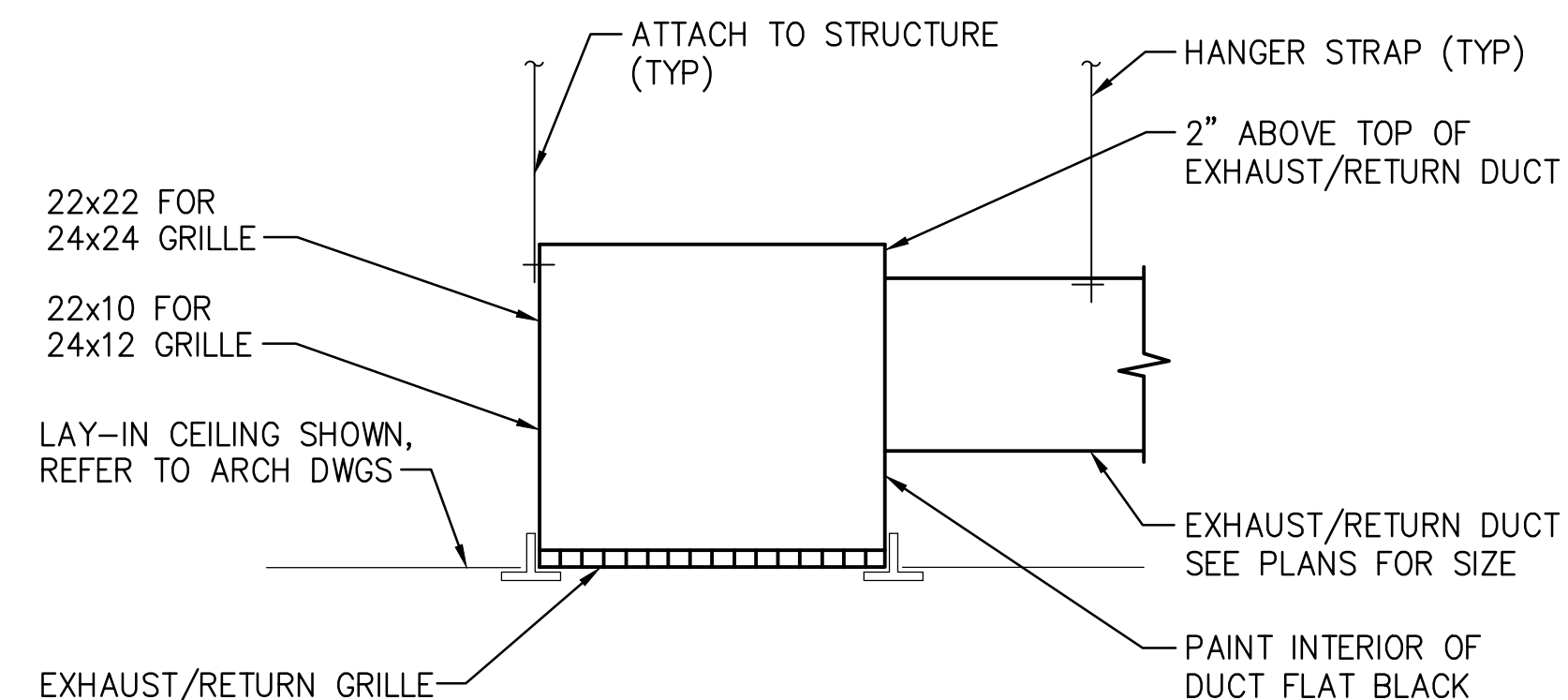


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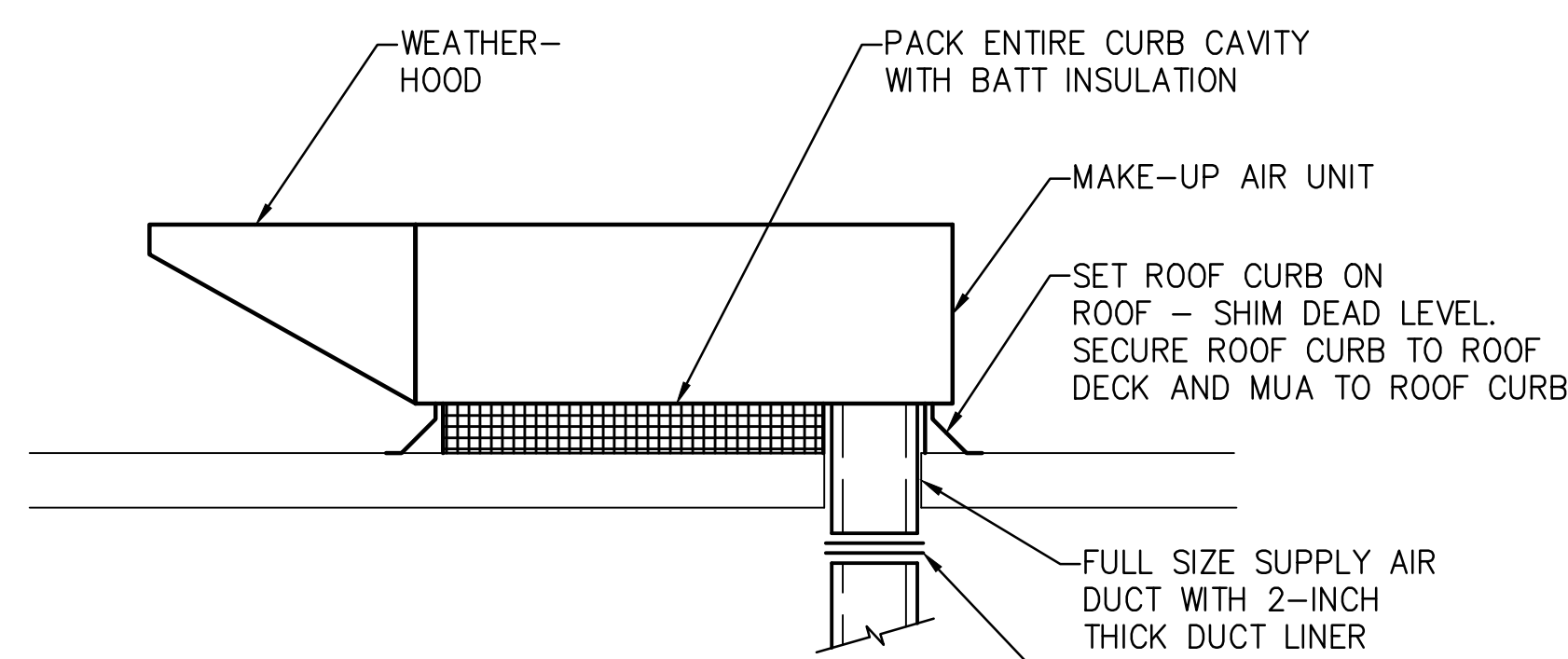
Building	Planning
Engineering	Public Works
Fire	Traffic



**EXHAUST/RETURN GRILLE**

SCALE: NONE

6

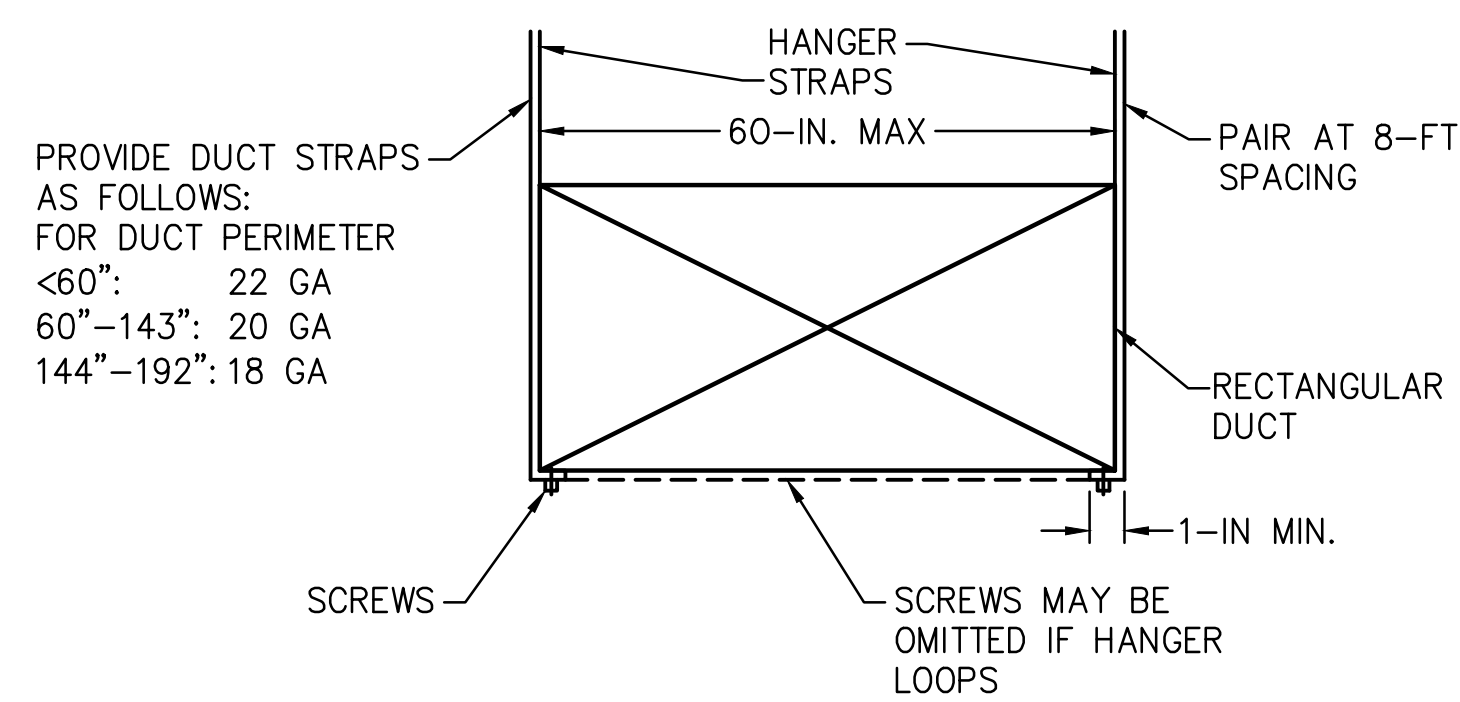


**NOTES:**  
1. CUT OPENING IN DECK ONLY AS LARGE AS REQUIRED TO ACCOMMODATE DUCT. LEAVE 1" MAXIMUM GAP BETWEEN DUCT AND DECK.

**MAKE-UP AIR UNIT**

SCALE: NONE

7

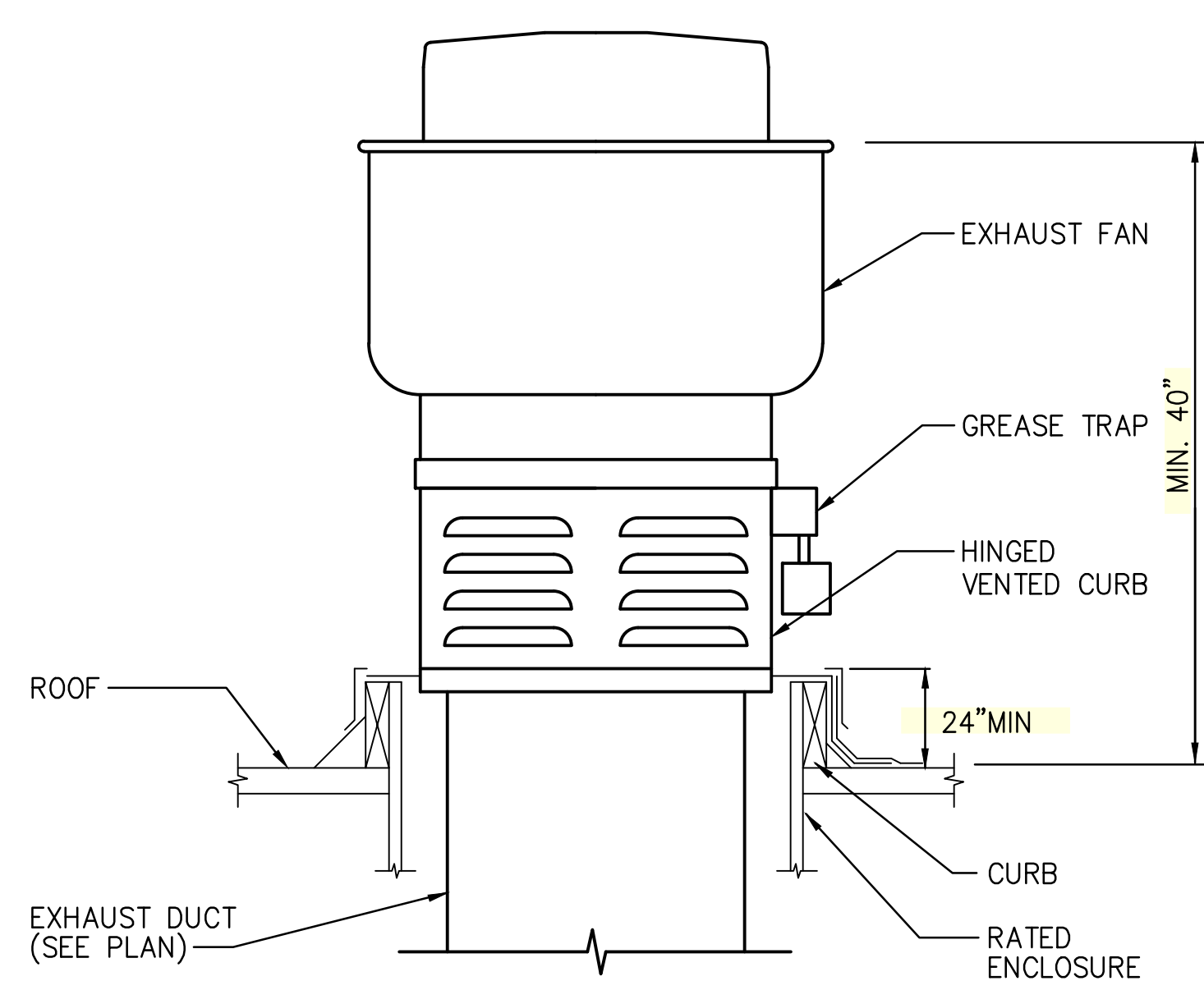


**STRAP HANGERS**

**RECTANGULAR DUCT HANGERS**

SCALE: NONE

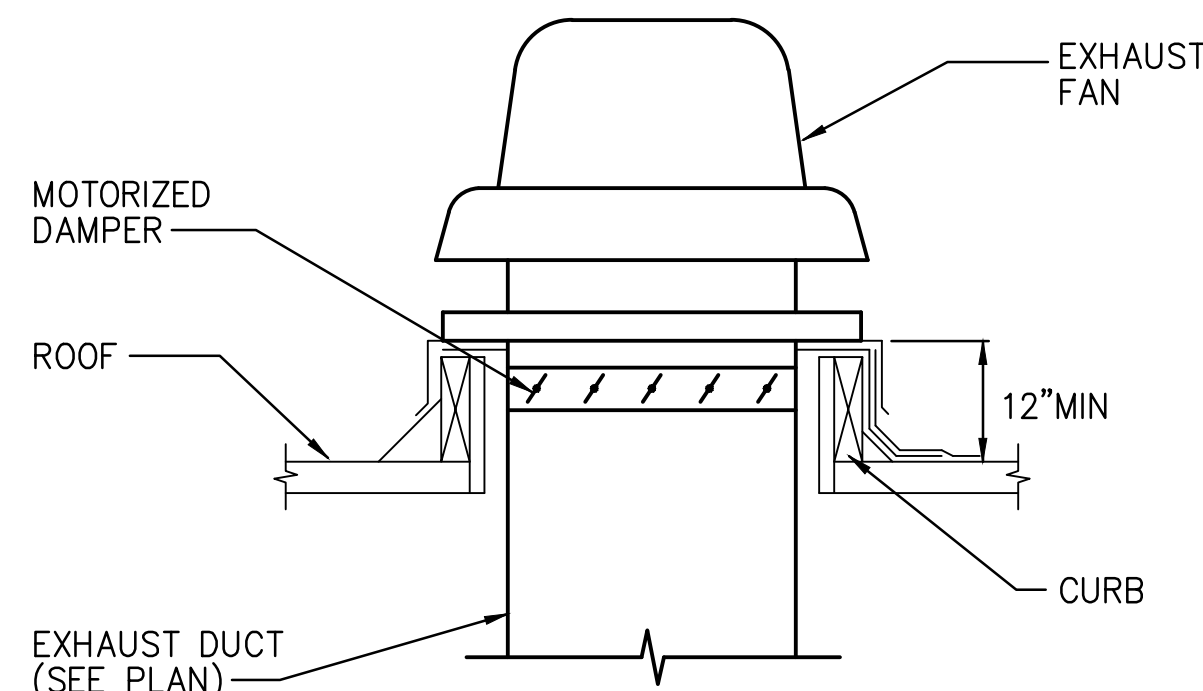
8



**UPBLAST ROOF GREASE EXHAUST FAN**

SCALE: NONE

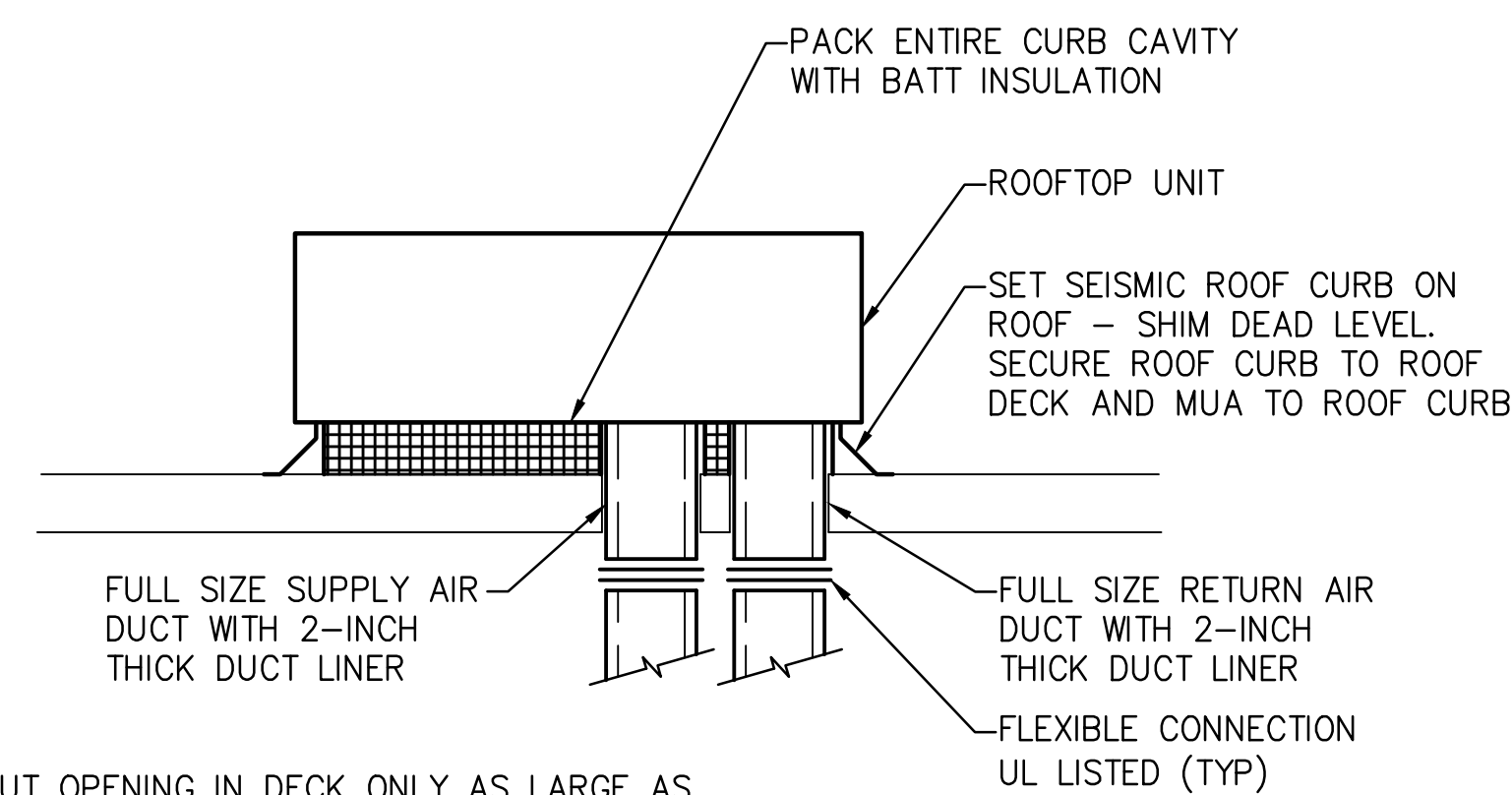
3



**ROOF EXHAUST FAN**

SCALE: NONE

4

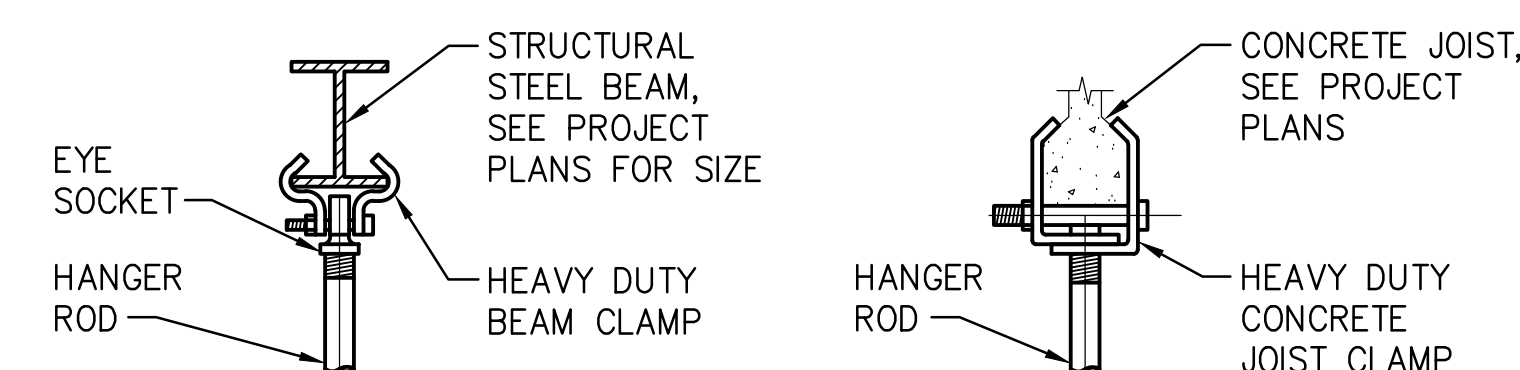


CUT OPENING IN DECK ONLY AS LARGE AS REQUIRED TO ACCOMMODATE DUCT. LEAVE 1" MAXIMUM GAP BETWEEN DUCT AND DECK

**ROOFTOP UNIT - DETAIL**

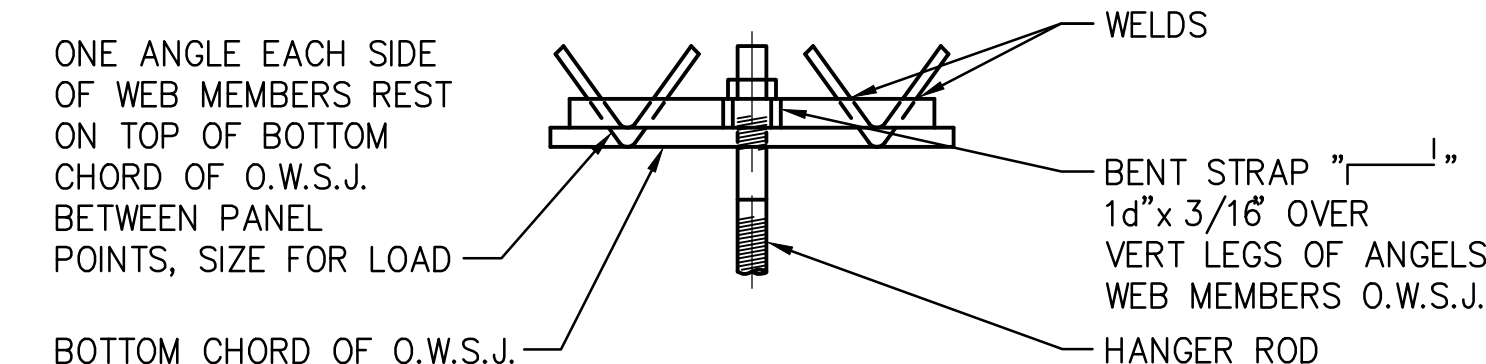
SCALE: NONE

5

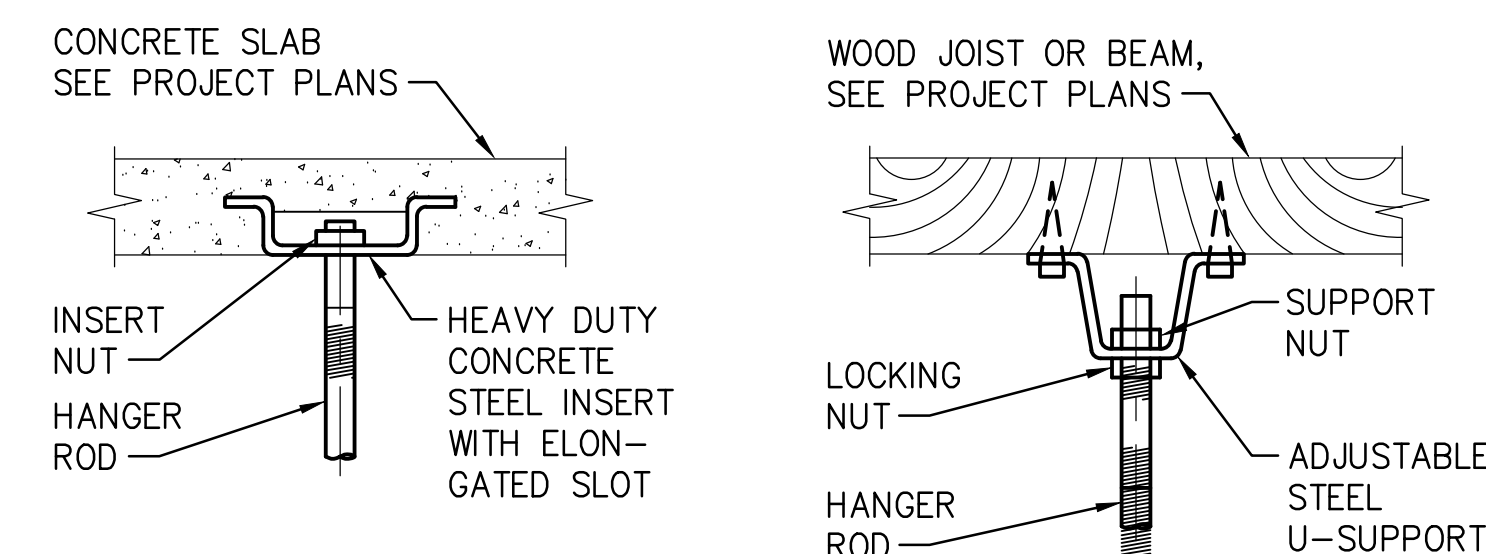


**STEEL BEAM**

**CONCRETE JOISTS**



**STEEL JOISTS**



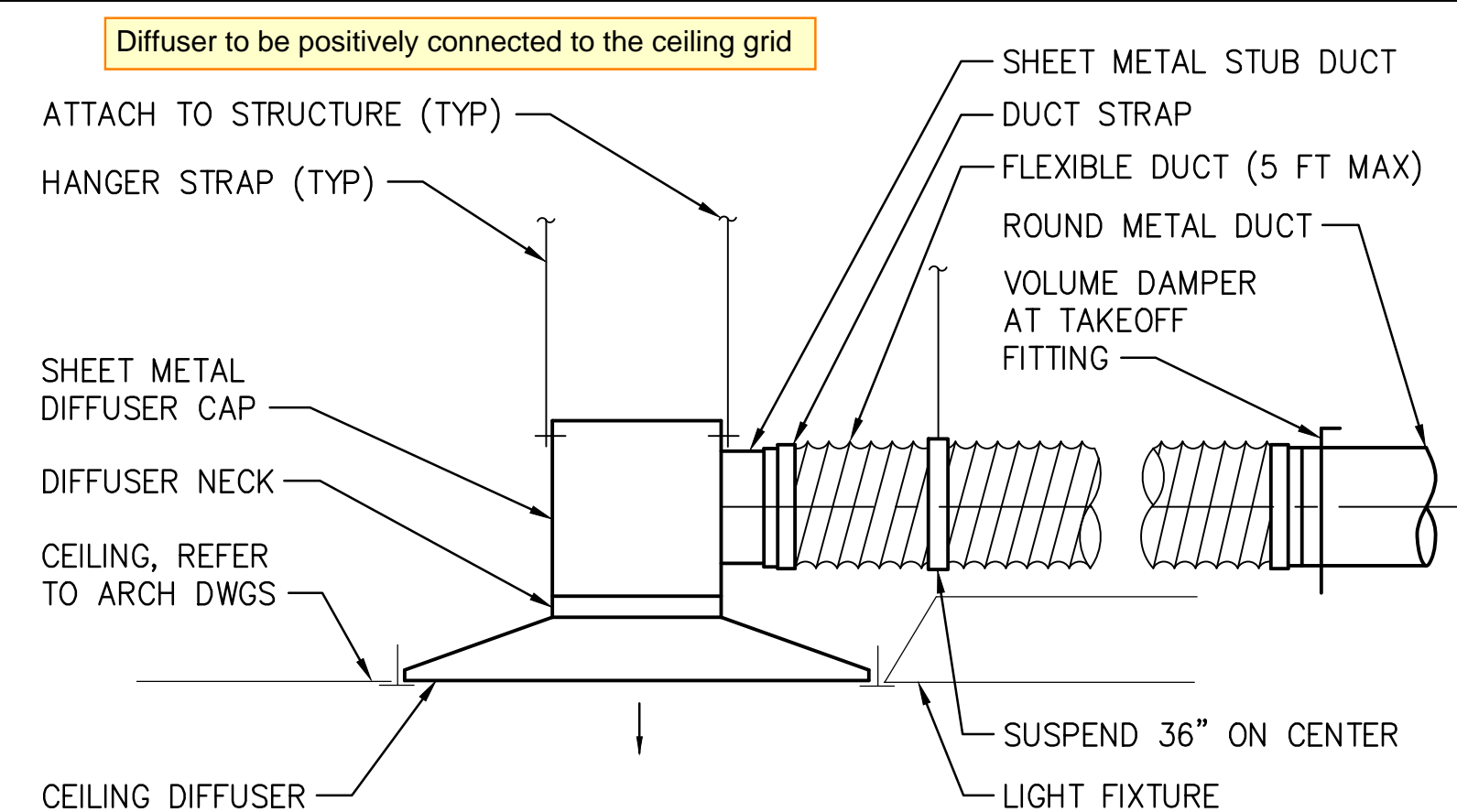
**CONCRETE INSERT**

**WOOD JOISTS**

**HANGER ATTACHMENT TO STRUCTURE**

SCALE: NONE

1



**NOTE:**

1. FOR ROUND CEILING DIFFUSER CONNECTIONS, SUBSTITUTE SHEETMETAL DIFFUSER CAP AND STUB DUCT WITH SHEETMETAL ELBOW.

**CEILING DIFFUSER**

SCALE: NONE

2

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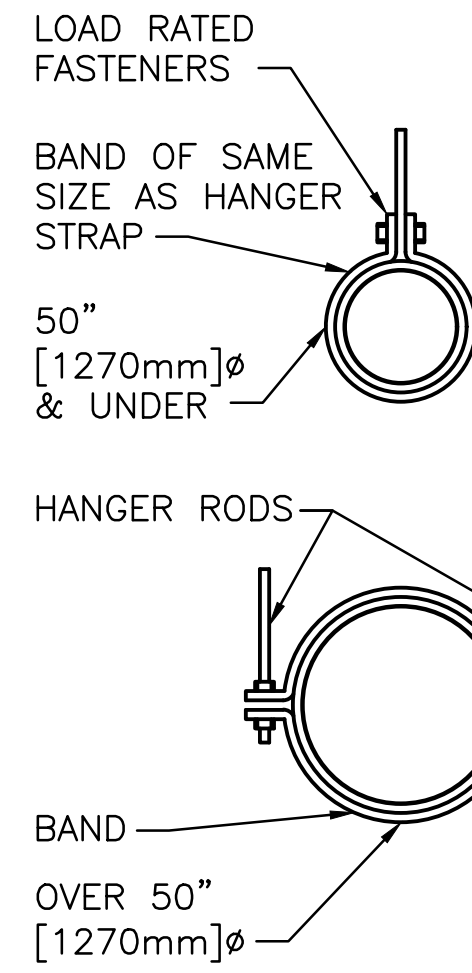
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NO.	DATE	DESCRIPTION
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REVIEWED BY: \_\_\_\_\_  
SHEET TITLE: DETAILS

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**M-6**  
PERMIT SET



MAX. DUCT Ø IN. [mm]	QUANTITY/SIZE IN. [mm]	MAX. LOAD LBS. [kg]	MAX. SPACING IN. [mm]
26 [650]	ONE 1 [25] x 22 GA STRAP	260 [119]	144 [3658]
36 [900]	ONE 1 [25] x 18 GA STRAP	420 [190]	144 [3658]
50 [1250]	ONE 1 [25] x 16 GA STRAP	700 [317]	144 [3658]
60 [1500]	TWO 3/8 [10]Ø. RODS	1320 [598]	144 [3658]
84 [2100]	TWO 1/2 [13]Ø RODS	2500 [1133]	144 [3658]

**NOTE:**  
TABULATED DATA FROM SMACNA ALLOWS FOR DUCT REINFORCING AND INSULATION, BUT NO EXTERNAL LOAD.  
PROVIDE SEISMIC BRACING PER SMACNA REQUIREMENTS.

**ROUND DUCT HANGERS**  
SCALE: NONE

1

**CONTROL SEQUENCES**

**GENERAL**  
ALL OPERATING SCHEDULES SHALL BE CONFIRMED AND ADJUSTED AS NECESSARY. ALL SETPOINTS SHALL BE ADJUSTABLE.

**MAKE-UP AIR UNIT, MUA-1 & GREASE EXHAUST FAN, GEF-1**  
OCCUPIED MODE: SYSTEM SHALL BE PROVIDED WITH A DEMAND CONTROL VENTILATION SYSTEM. GREASE EXHAUST FAN, GEF-1 SHALL BE STARTED UPON ACTIVATION OF COOKING APPLIANCES. MUA-1 SHALL BE INTERLOCKED WITH GEF-1. GEF-1 MOTOR SHALL MODULATE FROM HEAT SENSOR SIGNAL; MUA MOTOR SHALL MODULATE FROM SIGNAL FROM GEF-1. UPON ACTIVATION OF EXHAUST FAN, MUA OUTSIDE AIR DAMPER SHALL OPEN AND MUA SHALL BE ENERGIZED. MUA GAS BURNER SHALL MODULATE AS REQUIRED TO MAINTAIN A DISCHARGE AIR SETPOINT OF 60°F. WHEN GEF-1 IS OFF, MUA SHALL BE OFF AND OUTSIDE AIR DAMPER SHALL CLOSE.

**UNOCCUPIED MODE:**  
MUA-1 AND GEF-1 SHALL BE OFF.

**SAFETIES:**  
DUCT SMOKE DETECTORS SHALL SHUT DOWN MUA-1 UPON ACTIVATION AND ENERGIZE GEF-1.

**ROOFTOP UNITS, RTU-1 AND RTU-2**  
BOTH RTU-1 AND RTU-2 ARE SINGLE ZONE SYSTEMS CONTROLLED IN RESPONSE TO SPACE TEMPERATURE.

**OPTIMUM START-UP:**  
RTU SHALL BE STARTED TO ESTABLISH SPACE TEMPERATURE PRIOR TO OCCUPANCY. SCHEDULES SHALL BE CONFIRMED AND ADJUSTED TO CLIENT'S REQUIREMENTS. DURING THE OPTIMUM START-UP PROCESS, DAMPERS SHALL REMAIN IN FULL RECIRCULATION POSITION.

**OCCUPIED MODE: (BASED ON TIME OF DAY SCHEDULE)** RTU SHALL MAINTAIN MINIMUM OUTDOOR AIR VENTILATION CFM DURING OCCUPIED MODE.

**ECONOMIZER DAMPERS** SHALL BE MODULATED AND RTU STAGED IN SEQUENCE TO MAINTAIN SUPPLY AIR TEMPERATURE SETPOINT.

**DIFFERENTIAL DRY BULB ECONOMIZER DAMPER CONTROL:** ON CALL FOR COOLING, ECONOMIZER DAMPERS ARE MODULATED FROM MINIMUM TO 100 PERCENT OUTSIDE AIR. IF OUTDOOR AIR ENTHALPY EXCEEDS 28 BTU/LB OF DRY AIR OR OUTDOOR TEMPERATURE EXCEEDS 75°F, THE SYSTEM SHALL OPERATE IN THE MINIMUM OUTDOOR VENTILATION MODE.

**UNIT CONTROLS** SHALL HAVE THE MECHANICAL COOLING CAPACITY CONTROL INTERLOCKED WITH THE AIR ECONOMIZER CONTROLS SUCH THAT THE OUTDOOR AIR DAMPER IS AT THE 100 PERCENT OPEN POSITION WHEN MECHANICAL COOLING IS ON AND THE OUTDOOR AIR DAMPER DOES NOT BEGIN TO CLOSE TO PREVENT COIL FREEZING DUE TO MINIMUM COMPRESSOR RUN TIME UNTIL THE LEAVING AIR TEMPERATURE IS LESS THAN 45°F.

**ROOFTOP UNITS RTU-1 AND RTU-2** SHALL BE PROVIDED WITH VARIABLE SPEED COMPRESSORS; COMPRESSORS SHALL MODULATE AS REQUIRED TO MEET COOLING DEMAND.

**ROOFTOP UNITS RTU-1** SHALL BE PROVIDED WITH CO2 MONITORING CAPABILITY. AS CO2 LEVELS INCREASE THE OUTSIDE AIR DAMPER MODULATES TO MEET THE CO2 SPACE VENTILATION REQUIREMENTS.

**ON CALL FOR HEATING,** MINIMUM OUTDOOR VENTILATION CFM SHALL BE MAINTAINED. GAS FIRED SECTION SHALL BE ENERGIZED AS REQUIRED TO MEET HEATING SETPOINT.

**UNOCCUPIED MODE:**  
RTU SHALL BE OFF.

**UPON FALL IN SPACE TEMPERATURE** BELOW 55 DEG F, RTU SHALL BE STARTED WITH DAMPERS IN FULL RECIRCULATION POSITION. SYSTEM SHALL OPERATE UNTIL SPACE TEMPERATURE EXCEEDS 60 DEG F.

**SAFETIES:**  
DUCT SMOKE DETECTORS SHALL SHUT DOWN RTU-1 AND RTU-2 UPON ACTIVATION.

**EXHAUST FANS:**  
EXHAUST FAN EF-1 SHALL OPERATE FROM 7-DAY PROGRAMMABLE TIMER WITH AN OCCUPANCY SCHEDULE THAT MATCHES THAT OF ROOFTOP UNIT RTU-2.

**WATER HEATER, WH-2:**  
WATER HEATER CIRC PUMP SHALL OPERATE FROM A 7-DAY, 24 HOUR PROGRAMMABLE TIMER AND AQUASTAT.

**ROOFTOP UNIT SEISMIC CURB**  
SCALE: NONE

2

AIR SYSTEM SIZING SUMMARY			
Air System.: RTU-Dining	06-30-23		
Weather....: Puyallup, Washington	HAP v3.27		
Prepared by: Steven Rainbow, PE	Page 1		
*****			
AIR SYSTEM INFORMATION			
System Type.....: (SZ CAV)	Floor Area.....: 1346 sqft		
Number of Zones.....: 1			
SIZING CALCULATION INFORMATION			
Zone and Space Sizing Method:	Calculation Months: JFMAMJJASOND		
Zone CFM: Peak Zone Load	Sizing Data.....: Calculated		
Space CFM: Peak Space Load			
CENTRAL COOLING COIL SIZING DATA			
Total coil load (Tons)....: 6.0	Load occurs at....: Aug 1500		
Sensible coil load (Tons)....: 5.0	OA DB/RH (F/%)....: 86.0/ 37.0		
Coil CFM at Aug 1500.....: 2400	Entering db/wb.....: 79.8/ 65.5 F		
Max possible CFM.....: 2400	Leaving db/wb.....: 56.8/ 53.5 F		
Design supply temp (F)....: 55.0	Coil ADP.....: 54.2 F		
sqft/Ton.....: 224.5	Bypass factor.....: 0.100		
BTU/hr/sqft.....: 53.5	Resulting RH.....: 53 %		
water gpm @ 10F rise.....: 14.40	Zone T-stat Check.: 1 of 1 OK		
CENTRAL HEATING COIL SIZING DATA			
Max coil load (BTU/hr)....: 77394	Load occurs at....: Des Htg		
Coil CFM at Des Htg.....: 2400	BTU/hr/sqft.....: 57.5		
Max possible CFM.....: 2400	Ent db / Lvg db....: 51.9/ 81.8 F		
water gpm @ 20F drop.....: 7.74			
SUPPLY FAN SIZING DATA			
Actual max CFM @ Sep 1400.: 2400	Fan motor BHP.....: 1.40		
Standard CFM.....: 2395	Fan motor kw.....: 1.04		
Actual max CFM/sqft.....: 1.78	Fan static(in.wg.): 2.00		
OUTDOOR VENTILATION AIR DATA			
Design airflow (CFM).....: 800	CFM/person.....: 11.11		
CFM/sqft.....: 0.59			

AIR SYSTEM SIZING SUMMARY			
Air System.: RTU-Kitchen	06-30-23		
Weather....: Puyallup, Washington	HAP v3.27		
Prepared by: Steven Rainbow, PE	Page 1		
*****			
AIR SYSTEM INFORMATION			
System Type.....: (SZ CAV)	Floor Area.....: 1275 sqft		
Number of Zones.....: 1			
SIZING CALCULATION INFORMATION			
Zone and Space Sizing Method:	Calculation Months: JFMAMJJASOND		
Zone CFM: Peak Zone Load	Sizing Data.....: Calculated		
Space CFM: Peak Space Load			
CENTRAL COOLING COIL SIZING DATA			
Total coil load (Tons)....: 5.1	Load occurs at....: Jul 1600		
Sensible coil load (Tons)....: 3.8	OA DB/RH (F/%)....: 85.3/ 37.8		
Coil CFM at Jul 1600.....: 1753	Entering db/wb.....: 80.0/ 66.5 F		
Max possible CFM.....: 1753	Leaving db/wb.....: 56.2/ 53.0 F		
Design supply temp (F)....: 55.0	Coil ADP.....: 53.5 F		
sqft/Ton.....: 250.5	Bypass factor.....: 0.100		
BTU/hr/sqft.....: 47.9	Resulting RH.....: 58 %		
water gpm @ 10F rise.....: 12.22	Zone T-stat Check.: 1 of 1 OK		
CENTRAL HEATING COIL SIZING DATA			
Max coil load (BTU/hr)....: 56877	Load occurs at....: Des Htg		
Coil CFM at Des Htg.....: 1753	BTU/hr/sqft.....: 44.6		
Max possible CFM.....: 1753	Ent db / Lvg db....: 50.0/ 80.1 F		
water gpm @ 20F drop.....: 5.69			
SUPPLY FAN SIZING DATA			
Actual max CFM @ Jul 1600.: 1753	Fan motor BHP.....: 1.02		
Standard CFM.....: 1750	Fan motor kw.....: 0.76		
Actual max CFM/sqft.....: 1.38	Fan static(in.wg.): 2.00		
OUTDOOR VENTILATION AIR DATA			
Design airflow (CFM).....: 650	CFM/person.....: 54.17		
CFM/sqft.....: 0.51			

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**DATE:** 7.6.2023  
**RSN NO:** 19110.00.00  
**DRAWN BY:**  
**REVIEWED BY:**  
**SHEET TITLE:** SEISMIC RTU CURB DETAILS CONTROL SEQUENCES

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**M-7**  
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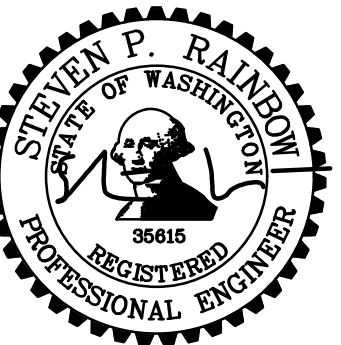


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M-8

PERMIT SET

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- 16. Perform verification checks and startup on equipment and systems as specified.
  - 17. Assist Commissioning Authority in performing functional performance tests on equipment and systems as specified.
  - 18. Perform operation and maintenance training sessions scheduled by Commissioning Authority.
  - 19. Conduct HVAC system orientation and inspection.
- B. Temperature Controls Installer Commissioning Responsibilities:
- 1. Attend commissioning meetings.
  - 2. Review design for ability of systems to be controlled including the following:
    - a. Confirm proper hardware requirements exist to perform functional performance testing.
    - b. Confirm proper safeties and interlocks are included in design.
    - c. Confirm proper sizing of system control valves and actuators and control valve operation will result capacity control identified in Contract Documents.
    - d. Confirm proper sizing of system control dampers and actuators and damper operation will result in proper damper positioning.
    - e. Confirm sensors selected are within device ranges.
    - f. Review sequences of operation and obtain clarification from Architect/Engineer.
    - g. Indicate delineation of control between packaged controls and building automation system.
    - h. Provide written sequences of operation for packaged controlled equipment. Equipment manufacturers' stock sequences may be included, when accompanied by additional narrative to reflect Project conditions.
  - 3. Inspect, check, and confirm proper operation and performance of control hardware and software provided in other HVAC sections.
  - 4. Inspect check and confirm correct installation and operation of automatic temperature control system input and output device operation through point-to-point checks.
  - 5. Perform training sessions to instruct building maintenance personnel in hardware operation, software operation, programming, and application in accordance with commissioning plan.
  - 6. Demonstrate system performance and operation to Commissioning Authority during functional performance tests including each mode of operation.
  - 7. Provide control system technician to assist during Commissioning Authority verification check and functional performance testing.
  - 8. Provide control system technician to assist testing, adjusting, and balancing agency during performance of testing, adjusting, and balancing work.
  - 9. Assist in performing operation and maintenance training sessions scheduled by Commissioning Authority.
- C. Testing, Adjusting, and Balancing Agency Commissioning Responsibilities:
- 1. Attend commissioning meetings.
  - 2. Participate in verification of testing, adjusting, and balancing report for verification or diagnostic purposes. Repeat sample of percent of measurements contained in testing, adjusting, and balancing report as indicated in commissioning plan.

- B. Test Reports: Indicate data on system verification form for each piece of equipment and system as specified. Use AABC or NEBB forms.
  - C. Field Reports: Indicate deficiencies preventing completion of equipment or system verification checks equipment or system to achieve specified performance.
- 1.5 CLOSEOUT SUBMITTALS
- A. Project Record Documents: Record revisions to equipment and system documentation necessitated by commissioning.
  - B. Operation and Maintenance Data: Submit revisions to operation and maintenance manuals when necessary revisions are discovered during commissioning.
- 1.6 QUALITY ASSURANCE
- A. Perform Work in accordance with ASHRAE Guideline 0.
- 1.7 COMMISSIONING RESPONSIBILITIES
- A. Equipment or System Installer Commissioning Responsibilities:
    - 1. Attend commissioning meetings.
    - 2. Ensure temperature controls installer performs assigned commissioning responsibilities as specified below.
    - 3. Ensure testing, adjusting, and balancing agency performs assigned commissioning responsibilities as specified.
    - 4. Provide instructions and demonstrations for building maintenance personnel.
    - 5. Ensure subcontractors perform assigned commissioning responsibilities.
    - 6. Ensure participation of equipment manufacturers in appropriate startup, testing, and training activities when required by individual equipment specifications.
    - 7. Develop startup and initial checkout plan using manufacturer's startup procedures and functional performance checklists for equipment and systems to be commissioned.
    - 8. During verification check and startup process, execute HVAC related portions of checklists for equipment and systems to be commissioned.
    - 9. Perform and document completed startup and system operational checkout procedures, providing copy to Commissioning Authority.
    - 10. Provide manufacturer's representatives to execute starting of equipment. Ensure representatives are available and present during agreed upon schedules and are in attendance for duration to complete tests, adjustments and problem-solving.
    - 11. Coordinate with equipment manufacturers to determine specific requirements to maintain validity of warranties.
    - 12. Provide personnel to assist Commissioning Authority during equipment or system verification checks and functional performance tests.
    - 13. Prior to functional performance tests, review test procedures to ensure feasibility, safety and equipment protection and provide necessary written alarm limits to be used during tests.
    - 14. Prior to startup, inspect, check, and verify correct and complete installation of equipment and system components for verification checks included in commissioning plan. When deficient or incomplete work is discovered, ensure corrective action is taken and re-check until equipment or system is ready for startup.
    - 15. Provide factory supervised startup services for equipment and systems where specified. Coordinate work with manufacturer and Commissioning Authority.
- 2.3 START-UP AND TESTING, ADJUSTING AND BALANCING (TAB) REPORTS
- A. Start-up and testing reports shall be generated by the installing contractor for all equipment/systems and submitted to Contractor who provides a copy to the Commissioning Authority (CxA).
  - B. TAB reports shall be created for designated systems by a certified TAB provider and submitted to Contractor who provides a copy to the CxA.
- 2.4 FUNCTIONAL PERFORMANCE TESTS
- A. General:
    - 1. Submit Functional Performance Test forms for owner approvals.
    - 2. Submit Functional Performance Test results for each system.
- 2.5 OPERATION & MAINTENANCE MANUAL AND PERSONNEL TRAINING REVIEWS
- A. Submit O&M Manuals and Personnel Training Reviews.
- 2.6 SYSTEMS MANUAL
- A. Submit Systems Manual.
- PART 3 - EXECUTION
- 3.1 INSTALLATION
- A. Install additional balancing dampers, balancing valves, access doors, test ports, and pressure and temperature taps required by Commissioning Authority or commissioning plan.
  - B. Place HVAC systems and equipment into full operation and continue operation during each working day of commissioning.
  - C. Install replacement sheaves and belts to obtain system performance, as requested by Commissioning Authority.
  - D. Install test holes in ductwork and plenums as requested by Commissioning Authority for taking air measurements.
  - E. Prior to start of functional performance test, install replacement filters in equipment.
- 3.2 COMMISSIONING
- A. Seasonal Sensitive Functional Performance Tests (as far as possible and in consultation with LAWA):
    - 1. Test heating equipment at winter design temperatures.
    - 2. Test cooling equipment at summer design temperatures.
  - B. Be responsible to participate in initial and alternate peak season test of systems required to demonstrate performance.
  - C. Occupancy Sensitive Functional Performance Tests:
    - 1. Test equipment and systems affected by occupancy variations at minimum and peak loads to observe system performance.
    - 2. Participate in testing delayed beyond Final Completion to test performance with actual occupancy conditions.

- COMMISSIONING OF HVAC
- PART 1 - GENERAL
- 1.1 SUMMARY
- A. Section Includes:
    - 1. HVAC Commissioning description.
    - 2. HVAC Commissioning responsibilities.
- 1.2 REFERENCES
- A. American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE):
    - 1. ASHRAE Guideline 0 - The Commissioning Process.
    - 2. ASHRAE Guideline 1.1 - HVAC&R Technical Requirements for the Commissioning Process.
- 1.3 COMMISSIONING DESCRIPTION
- A. HVAC commissioning process includes the following tasks:
    - 1. Testing and startup of HVAC equipment and systems.
    - 2. Equipment and system verification checks.
    - 3. Assistance in functional performance testing to verify testing and balancing, and equipment and system performance.
    - 4. Provide qualified personnel to assist in commissioning tests, including seasonal testing.
    - 5. Complete and endorse functional performance test checklists provided by Commissioning Authority to assure equipment and systems are fully operational and ready for functional performance testing.
    - 6. Provide equipment, materials, and labor necessary to correct deficiencies found during commissioning process to fulfill contract and warranty requirements.
    - 7. Provide operation and maintenance information and record drawings to Commissioning Authority for review verification and organization, prior to distribution.
    - 8. Provide assistance to Commissioning Authority to develop, edit, and document system operation descriptions.
    - 9. Provide training for systems specified in this Section with coordination by Commissioning Authority.
  - B. Equipment and Systems to Be Commissioned:
    - 1. Ductwork.
    - 2. Packaged rooftop units.
    - 3. Kitchen hood exhaust fans and associated make-up air unit.
    - 4. Restroom exhaust fan.
    - 5. Automatic temperature control system.
    - 6. Testing, Adjusting and Balancing work.
- 1.4 COMMISSIONING SUBMITTALS
- A. Draft Forms: Submit draft of system verification form and functional performance test checklist.

- 3. Assist in performing operation and maintenance training sessions scheduled by Commissioning Authority.
- 1.8 COMMISSIONING MEETINGS
- A. Attend initial commissioning meeting and progress commissioning meetings as required by Commissioning Authority.
- 1.9 SCHEDULING
- A. Prepare schedule indicating anticipated start dates for the following:
    - 1. Ductwork cleaning.
    - 2. Ductwork pressure testing.
    - 3. Equipment and system startups.
    - 4. Automatic temperature control system checkout.
    - 5. Testing, adjusting, and balancing.
    - 6. HVAC system orientation and inspections.
    - 7. Operation and maintenance manual submittals.
    - 8. Training sessions.
  - B. Schedule seasonal tests of equipment and systems during peak weather conditions to observe full-load performance.
  - C. Schedule occupancy sensitive tests of equipment and systems during conditions of both minimum and maximum occupancy or use.
- 1.10 COORDINATION
- A. Notify Commissioning Authority minimum of four weeks in advance of the following:
    - 1. Scheduled equipment and system startups.
    - 2. Scheduled automatic temperature control system checkout.
    - 3. Scheduled start of testing, adjusting, and balancing work.
  - B. Coordinate programming of automatic temperature control system with construction and commissioning schedules.
- PART 2 - PRODUCTS
- 2.1 DESIGN DOCUMENT AND SUBMITTAL REVIEWS
- A. General:
    - 1. Review the Owner Project Requirements (OPR) and relevant design documents.
- 2.2 SEQUENCE OF OPERATIONS OF HVAC SYSTEM
- A. General:
    - 1. Sequences of Operation submitted shall describe in detail the operation of the building control system and its components. The sequences provided in the contract drawings and specifications provide a good overview, but they shall be supplemented by finalized sequences used to program the system. Sequences of operation should address all critical system interactions in detail to enable their verification and troubleshooting.
    - 2. Control system architecture, components and hardware.

LIGHTING COMPLIANCE SUMMARY table with project information: Project Title TacotimeNW Puyallup - 2018 WSEC, Date Sep 11, 2023.

Lighting Compliance Scope and Method table with columns for Project Type, Interior/Exterior Lighting Scope, Luminaire Replacement Scope, Compliance Method, LPA Calculation Adjustment, and Compliance Verification.

Lighting Power Calculation table: NEW BUILDING - INTERIOR LIGHTING, Compliance Verification COMPLIES.

Interior Lighting Power Allowance - Space by Space table with columns for General Space Type, Specific Space Type, Ceiling Height (Ft), Gross Interior Area (SF), LPA (Watts/SF), Total Watts Allowed (SF x LPA x 1), Total Proposed Watts (LPD + Duplex LPD), and Compliance Status.

Proposed Lighting Power Density table with columns for Fixture Type, Fixture ID, Quantity of Fixtures (#F), Wattage Limit per Fixture (WpF), Total Linear Feet (LF), Watts per Linear Foot (WpLF), and Total Watts Proposed (#F x WpF) or (LF x WpLF).

Summary table for lighting fixtures with columns for Fixture Type, Fixture ID, Quantity of Fixtures (#F), Wattage Limit per Fixture (WpF), Total Linear Feet (LF), Watts per Linear Foot (WpLF), and Total Watts Proposed.

Proposed Total LPD summary table showing Total LPD of 1655.

Proposed Fixtures Details table with columns for Fixture Type/Application, Fixture ID, Location in Documents, Lamp Type, and New or Existing-to-Remain.

Lighting Power Calculation table: NEW BUILDING - EXTERIOR LIGHTING, Compliance Verification COMPLIES.

Exterior Tradable Lighting Power Allowance table with columns for Tradable Surface, Tradable Surface Sub-Type, Surface Area (SF), LPA (Watts/SF), Linear Feet (LF), LPA (Watts/LF), Total Watts Allowed (LPA x SF) or (LPA x LF), Total Tradable Proposed Watts, and Tradable Compliance Status.

Proposed Tradable Lighting Power Density table with columns for Fixture Type, Fixture ID, Tradable Surface Type, Quantity of Fixtures (#F), Watts or Wattage Limit per Fixture (WpF), Total Linear Feet (LF), Watts per Linear Foot (WpLF), and Total Watts Proposed (#F x WpF) or (LF x WpLF).

LIGHTING FIXTURE SCHEDULE - INTERIOR/PERIMETER

Lighting Fixture Schedule table with columns for TYPE, DESCRIPTION, LAMP, and WATTS/FIXT. Includes items F1 through F11 and LCP.

PROJECT NOTES (APPLIES TO ALL ELECTRICAL DRAWINGS)
1. DRAWINGS INDICATE GENERAL DESIGN INTENT AND PLACEMENT OF EQUIPMENT ONLY. INFORMATION SHOWN IS DIAGRAMMATIC AND DOES NOT NECESSARILY SHOW EVERY REQUIRED ACCESSORY, EXTENSION OR MOUNTING OPTION. PROVIDE EQUIPMENT COMPLETE WITH ALL NECESSARY ACCESSORIES AND HARDWARE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND THE AUTHORITIES HAVING JURISDICTION (AHJ). PROVIDE COMPLETE OPERATING SYSTEMS MEETING THE DESIGN INTENT.
2. DO NOT SCALE DRAWINGS. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID TO ESTABLISH THE FULL SCOPE OF WORK REQUIRED FOR COMPLETE AND OPERATIONAL SYSTEM INSTALLATION AS INDICATED ON THE CONTRACT DOCUMENTS. INCLUDE ALL COSTS IN BID.
3. SEAL ALL PENETRATIONS (WALL/CEILING/FLOOR/ETC.) WITH AHJ APPROVED FIRE STOPPING MATERIAL - REFER TO ARCHITECTURAL FOR RATED WALLS, CEILING AND FLOORS.
4. REFER TO ARCHITECTURAL "PROJECT GENERAL NOTES", SHEET G1.00, FOR ADDITIONAL REQUIREMENTS AND SCOPE.
5. THIS BUILDING IS SPRINKLED. PROVIDE FIRE ALARM CONTROL PANEL (FACP) FOR MONITORING OF CLASS 1 KITCHEN HOOD AND BUILDING AS REQUIRED BY AUTHORITY HAVING JURISDICTION (AHJ). COMPLY WITH ALL FIRE ALARM REQUIREMENTS OF THE AHJ.
6. THE FIRE ALARM DEVICES SHOWN ON SHEET E2.1 INDICATE THE GENERAL DESIGN INTENT ONLY. BASED ON NFPA 72, THE ACTUAL DESIGN OF THE FIRE ALARM SYSTEM SHALL BE PROVIDED BY THE FIRE ALARM SYSTEM INSTALLER - REFER TO THE DEFERRED SUBMITTAL REQUIREMENT ON ARCHITECTURAL SHEET G1.01. THE FIRE ALARM SYSTEM DESIGN AND FINAL INSTALLATION SHALL BE IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL CODES, REGULATIONS AND ORDINANCES APPLICABLE TO THE KIRKLAND/TOTEM LAKE PROJECT SITE.

ELECTRICAL LEGEND

Electrical Legend containing symbols and descriptions for POWER DEVICES AND EQUIPMENT, LIGHTING, TELE/COMMUNICATIONS, WIRING, SERVICE GEAR, and FIRE ALARM.

DRAWING INDEX

Drawing Index table listing sheets: E0.1 LEGEND & SCHEDULES, E.1 ELECTRICAL SITE PLAN, E1.1 LIGHTING CALCULATIONS SITE PLAN, E.2 POWER/COMMUNICATIONS PLAN, E3.1 LIGHTING FLOOR PLAN, E4.1 MECHANICAL CONNECTIONS ROOF PLAN, E9.1 RISER DIAGRAM & PANEL SCHEDULES, E9.2 ARC FLASH CALCULATIONS & LABELS, E10.1 SCHEDULES.

City of Puyallup Development & Permitting Services ISSUED PERMIT logo with categories: Building, Planning, Engineering, Public Works, Fire, Traffic.

Separate Electrical Permit is required with the Washington State Department of Labor & Industries. https://lni.wa.gov/licensing-permits/electrical/electrical-permits-fees-and-inspections or call for Licensing Information: 1-800-647-0982



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NEW CONSTRUCTION  
**TACO TIME ~ PUYALLUP**

1115 East Main Avenue  
Puyallup, WA 98372

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12-19-2023

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CADD FILE

SHEET TITLE

ELECTRICAL SITE PLAN

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SHEET

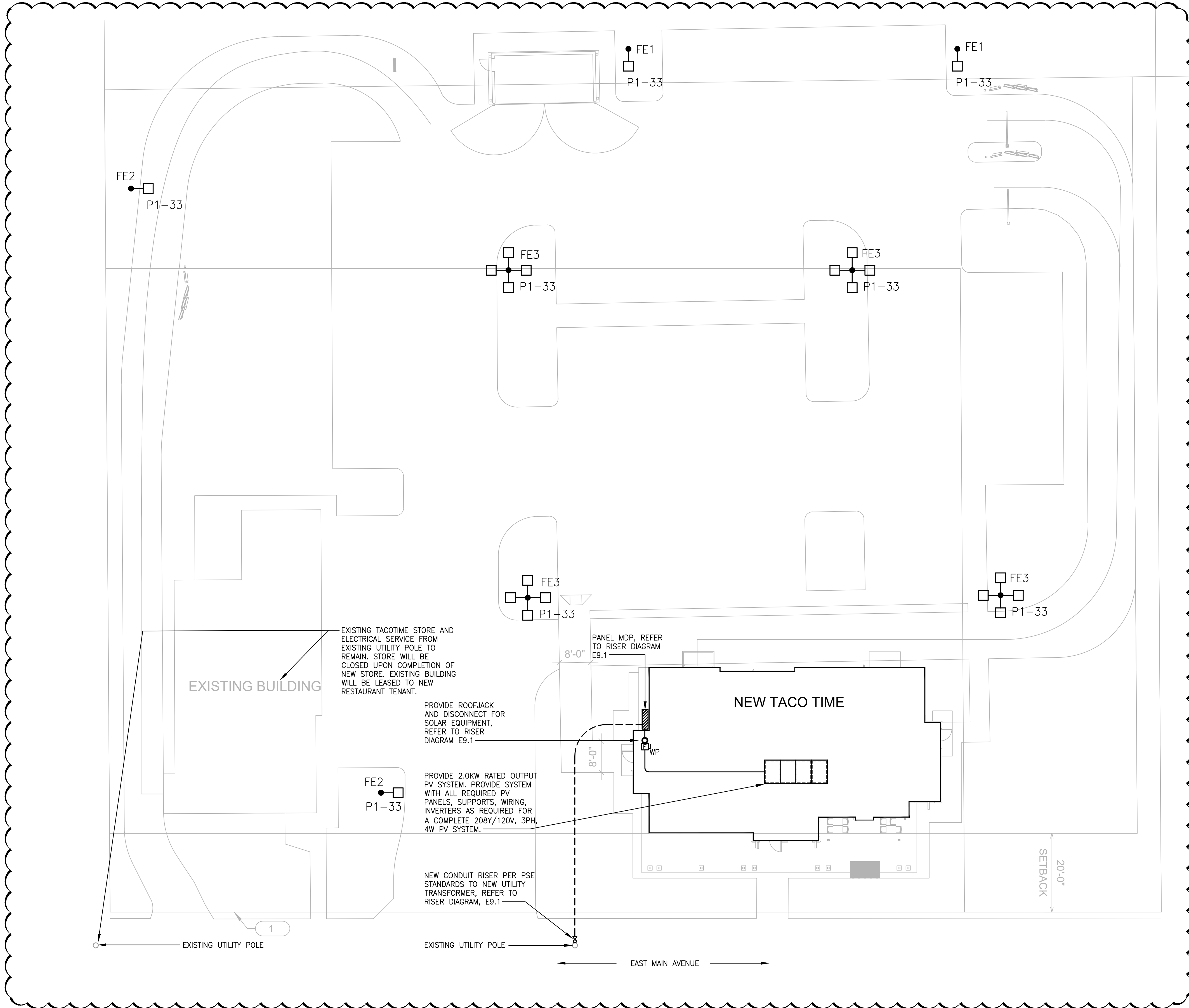
**E1.1**

PROJECT STATUS

LIGHTING FIXTURE SCHEDULE - SITE			
TYPE	DESCRIPTION	LAMP	WATTS/ FIXT
FE1	POLE, ARM MOUNTED LED LUMINAIRE, NOMINALLY 15" BY 21" WITH DIE CAST ALUMINUM HOUSING. TYPE 4 FULL CUT OFF OPTICS WITH HOUSE SIDE SHIELD. LIGHT SQUARE WITH EXTENDED ARM. STRAIGHT SQUARE SEVEN GAUGE STEEL POLE 16'-0" FT ON PRE MANUFACTURED BASE. POLE AND LUMINAIRE MANUFACTURERS STANDARD FINISH AS SELECTED BY ARCHITECT. COOPER LIGHTING GLEON-AF-01-LED-E1-SL4-HSS	LED 4000K	59
FE2	POLE, ARM MOUNTED LED LUMINAIRE, NOMINALLY 15" BY 21" WITH DIE CAST ALUMINUM HOUSING. TYPE 2 OPTICS WITH ONE LIGHT SQUARE EACH HEAD WITH EXTENDED ARM. STRAIGHT SQUARE SEVEN GAUGE STEEL POLE 16'-0" FT ON PRE MANUFACTURED BASE. POLE AND LUMINAIRE MANUFACTURERS STANDARD FINISH AS SELECTED BY ARCHITECT. COOPER LIGHTING GLEON-AF-01-LED-E1-SL2	LED 4000K	59
FE3	FOUR POLE, ARM MOUNTED LED LUMINAIRES, NOMINALLY 15" BY 21" WITH DIE CAST ALUMINUM HOUSING. TYPE 4 FORWARD FULL CUT OFF THROW OPTICS. ONE LIGHT SQUARE WITH EXTENDED ARM. STRAIGHT SQUARE SEVEN GAUGE STEEL POLE 16'-0" FT ON PRE MANUFACTURED BASE. POLE AND LUMINAIRE MANUFACTURERS STANDARD FINISH AS SELECTED BY ARCHITECT. COOPER LIGHTING GLEON-AF-01-LED-E1-SL4FT	LED 4000K	236
FE4	BUILDING MOUNTED LUMINAIRE WITH, NOMINALLY 10" BY 6" WITH DIE CAST ALUMINUM HOUSING. TYPE 4 OPTICS FULL CUT OFF OPTICS MANUFACTURERS STANDARD FINISH AS SELECTED BY ARCHITECT. HUBBELL LNC2-12LU-4K4	LED 4000K	28

**GENERAL NOTES**

1. PROVIDE #10 CU HOMERUNS & BRANCH CIRCUIT WIRING FOR SITE LIGHTING CIRCUITS



**ELECTRICAL SITE PLAN**

SCALE: 1" = 20'-0"



**City of Puyallup**  
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**CASE ENGINEERING**  
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PROJECT:  
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**TACO TIME ~ PUYALLUP**  
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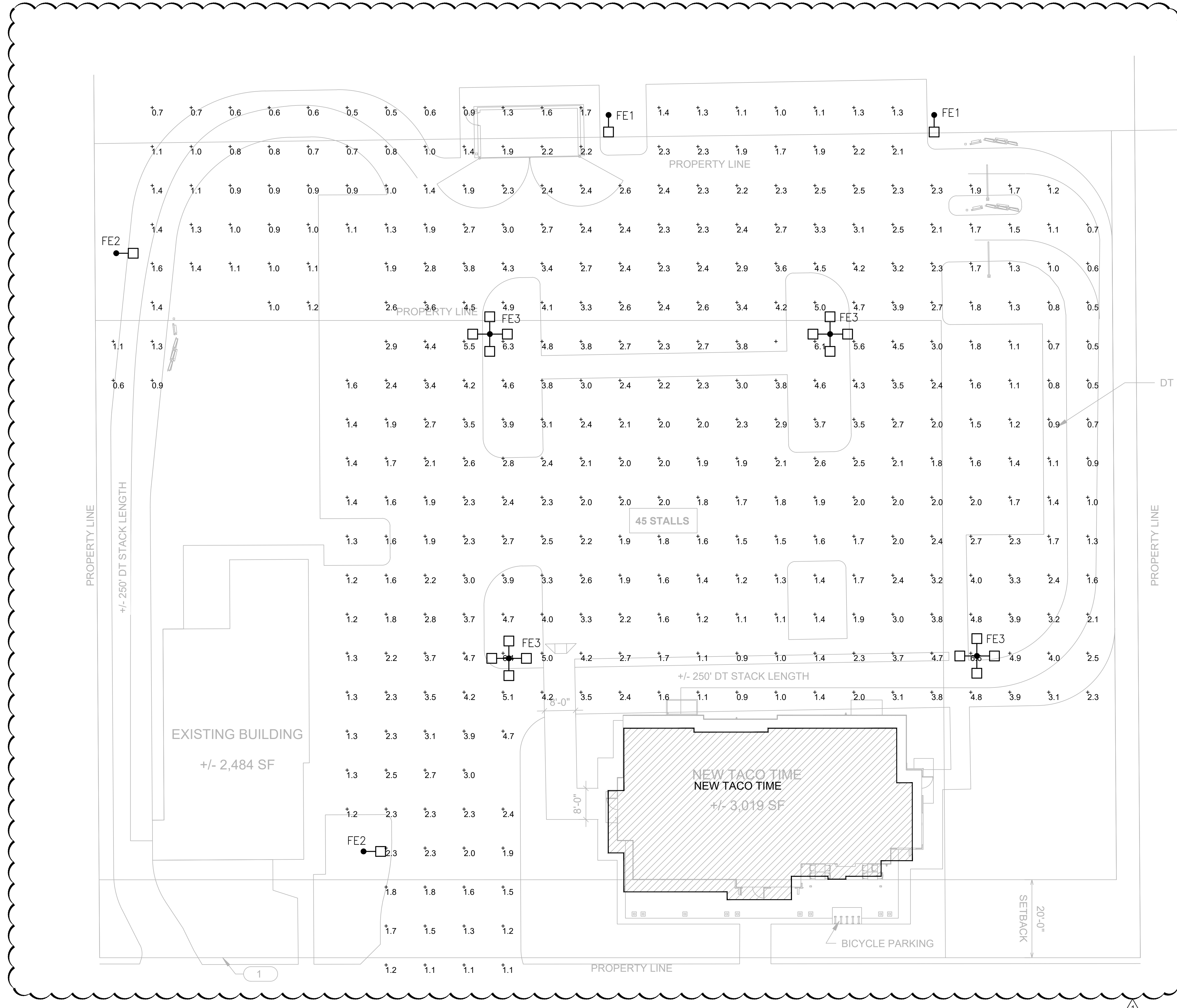
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 SHEET TITLE:  
**LIGHTING CALCULATION ELECTRICAL SITE PLAN**

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**LIGHTING FIXTURE SCHEDULE - SITE**

TYPE	DESCRIPTION	LAMP	WATTS/ FIXT
FE1	POLE, ARM MOUNTED LED LUMINAIRE, NOMINALLY 15" BY 21" WITH DIE CAST ALUMINUM HOUSING. TYPE 4 FULL CUT OFF OPTICS WITH HOUSE SIDE SHIELD. LIGHT SQUARE WITH EXTENDED ARM. STRAIGHT SQUARE SEVEN GAUGE STEEL POLE 16'-0" FT ON PRE MANUFACTURED BASE. POLE AND LUMINAIRE MANUFACTURERS STANDARD FINISH AS SELECTED BY ARCHITECT. COOPER LIGHTING GLEON-AF-01-LED-E1-SL4-HSS	LED 4000K	59
FE2	POLE, ARM MOUNTED LED LUMINAIRE, NOMINALLY 15" BY 21" WITH DIE CAST ALUMINUM HOUSING. TYPE 2 OPTICS WITH ONE LIGHT SQUARE EACH HEAD WITH EXTENDED ARM. STRAIGHT SQUARE SEVEN GAUGE STEEL POLE 16'-0" FT ON PRE MANUFACTURED BASE. POLE AND LUMINAIRE MANUFACTURERS STANDARD FINISH AS SELECTED BY ARCHITECT. COOPER LIGHTING GLEON-AF-01-LED-E1-SL2	LED 4000K	59
FE3	FOUR POLE, ARM MOUNTED LED LUMINAIRES, NOMINALLY 15" BY 21" WITH DIE CAST ALUMINUM HOUSING. TYPE 4 FORWARD FULL CUT OFF THROW OPTICS. ONE LIGHT SQUARE WITH EXTENDED ARM. STRAIGHT SQUARE SEVEN GAUGE STEEL POLE 16'-0" FT ON PRE MANUFACTURED BASE. POLE AND LUMINAIRE MANUFACTURERS STANDARD FINISH AS SELECTED BY ARCHITECT. COOPER LIGHTING GLEON-AF-01-LED-E1-SL4FT	LED 4000K	236
FE4	BUILDING MOUNTED LUMINAIRE WITH, NOMINALLY 10" BY 6" WITH DIE CAST ALUMINUM HOUSING. TYPE 4 OPTICS FULL CUT OFF OPTICS MANUFACTURERS STANDARD FINISH AS SELECTED BY ARCHITECT. HUBBELL LNC2-12LU-4K-4	LED 4000K	28



Label	Calc Type	Units	Avg	Max	Min	Avg/Min	Max/Min
PARKING LOT_Planar	Illuminance	Fc	2.26	6.6	0.5	4.52	13.20

**LIGHTING CALCULATIONS SITE PLAN**  
 SCALE: 1" = 20'-0"







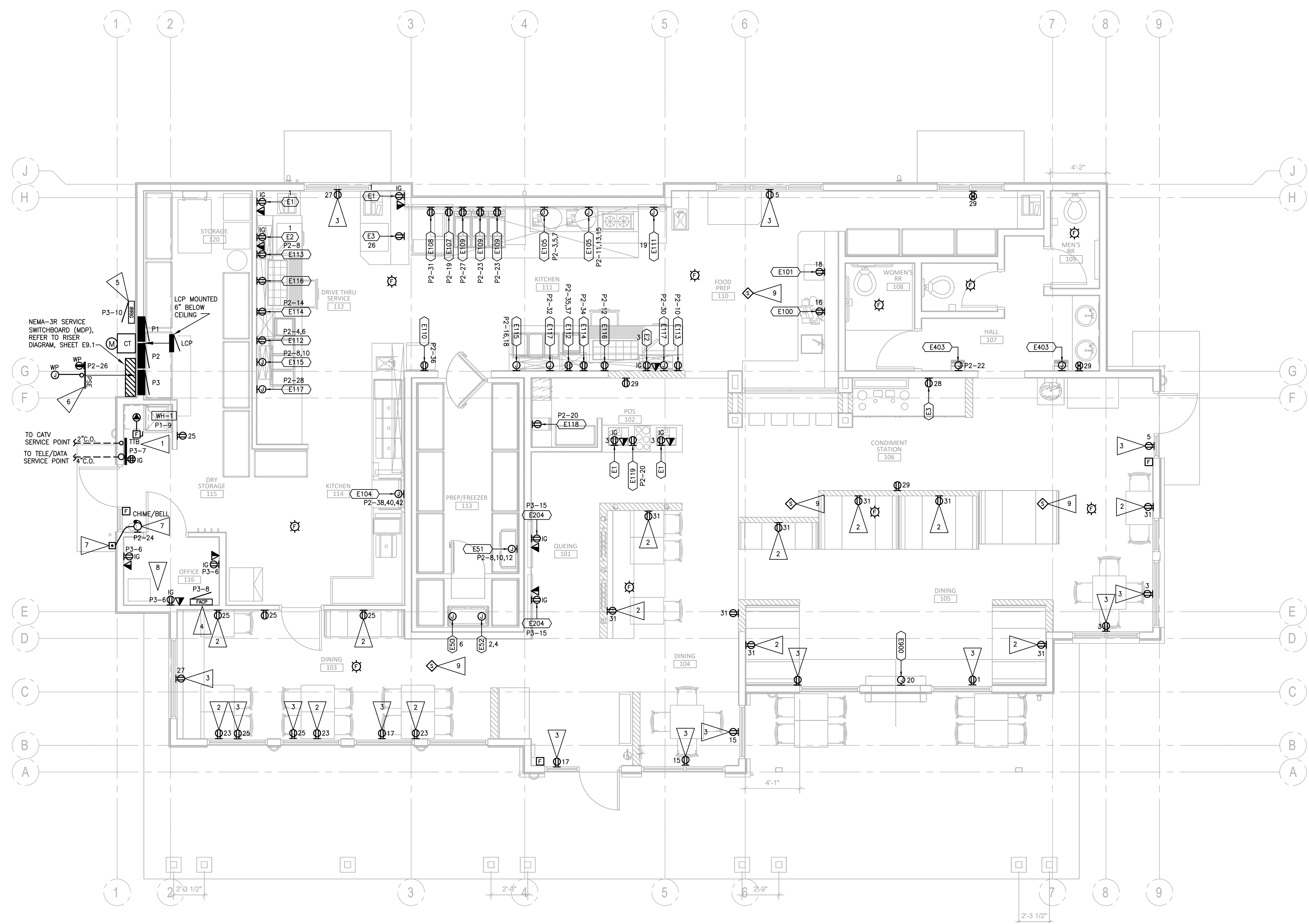
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1	Adoption #1	12-23-23

DATE: 12-19-2023  
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POWER/COMM FLOOR PLAN

- ### GENERAL NOTES
1. CIRCUIT NUMBERS SHOWN REFER TO PANEL P1 UNLESS OTHERWISE NOTED.
  2. PROVIDE ORANGE COLOR DEVICES FOR ALL ISOLATED GROUND RECEPTACLES (NOTED WITH IG ON PLAN - PANEL P3 CIRCUITS)
  3. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE, SHEET E10.1, FOR HVAC CONNECTION REQUIREMENTS
  4. REFER TO KITCHEN EQUIPMENT CONNECTION SCHEDULE, SHEET E010.1 FOR KITCHEN CONNECTION REQUIREMENTS.
  5. PROVIDE GROUND FAULT CIRCUIT INTERRUPTER (GFCI) PROTECTION IN KITCHEN PER NEC 210.8.B.2. REFER TO KITCHEN EQUIPMENT CONNECTION SCHEDULE, GENERAL NOTE "C", SHEET E10.1.
  6. PRIOR TO DEVICE BOX ROUGH-IN, REFER TO TYPICAL MOUNTING HEIGHTS DETAIL, SHEET E9.1 FOR TYPICAL DEVICE MOUNTING HEIGHTS

- ### FLAG NOTES
- 1 PROVIDE 24"x 24" PLYWOOD BACKBOARD FOR CATV & TELE/DATA SERVICE TO SITE. MOUNT BACKBOARD 6" BELOW CEILING. ROUTE SERVICE RACEWAYS CONCEALED IN WALL AND STUBBED TO BOTTOM OF BOARD. COORDINATE WITH CATV AND TELE/DATA SERVICE PROVIDERS FOR SERVICE TO THE SITE. MOUNT TERMINATION BOXES TO THE BACKBOARD. INCLUDE PROVISIONS FOR 2"C.O. WITH PULL CORD TO CATV SERVICE POINT AND 4"C.O. WITH PULL CORD TO TELE/DATA SERVICE POINT AS REQUIRED BY SERVICE PROVIDERS.
  - 2 PROVIDE RECEPTACLE (HUBBELL #USB15X2W OR EQUAL) MOUNTED ABOVE TABLE HEIGHT. FOR DEVICE CHARGING STATION, COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
  - 3 SHOW WINDOW RECEPTACLE (NEC 210.62) MOUNT 2" BELOW CEILING
  - 4 FIRE ALARM CONTROL PANEL - CONFIRM EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
  - 5 IRRIGATION CONTROLLER - CONFIRM EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
  - 6 PSE METERING BACKBOARD: PROVIDE 24"x24"x3/4" FIRE-RATED PLYWOOD WITH 120V DUPLEX RECEPTACLE - MOUNT ABOVE MDP AND ROUTE 2"C.O. TO ROOF FOR PSE ANTENNAS
  - 7 DOOR BUZZER SYSTEM - PROVIDE PUSHBUTTON AT +48" ON STRIKE SIDE OF BACK DOOR. PROVIDE BUZZERS MOUNTED JUST BELOW CEILING IN KITCHEN AND OFFICE. PROVIDE OVERRIDE SWITCH IN OFFICE FOR BUZZER SHUT-DOWN. VERIFY EXACT LOCATIONS OF BUZZERS AND OVERRIDE SWITCH WITH OWNER PRIOR TO ROUGH-IN. PUSHBUTTON SHALL BE EDWARDS 632 OR EQUAL. BUZZER SHALL BE EDWARDS 725 OR EQUAL.
  - 8 COORDINATE EXACT LOCATIONS OF DATA RACK AND SOUND SYSTEM EQUIPMENT WITH OWNER PRIOR TO ROUGH-IN.
  - 9 CEILING MOUNTED SPEAKER - COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN. PROVIDE LOW VOLTAGE CABLING TO SOUND SYSTEM IN OFFICE 110.



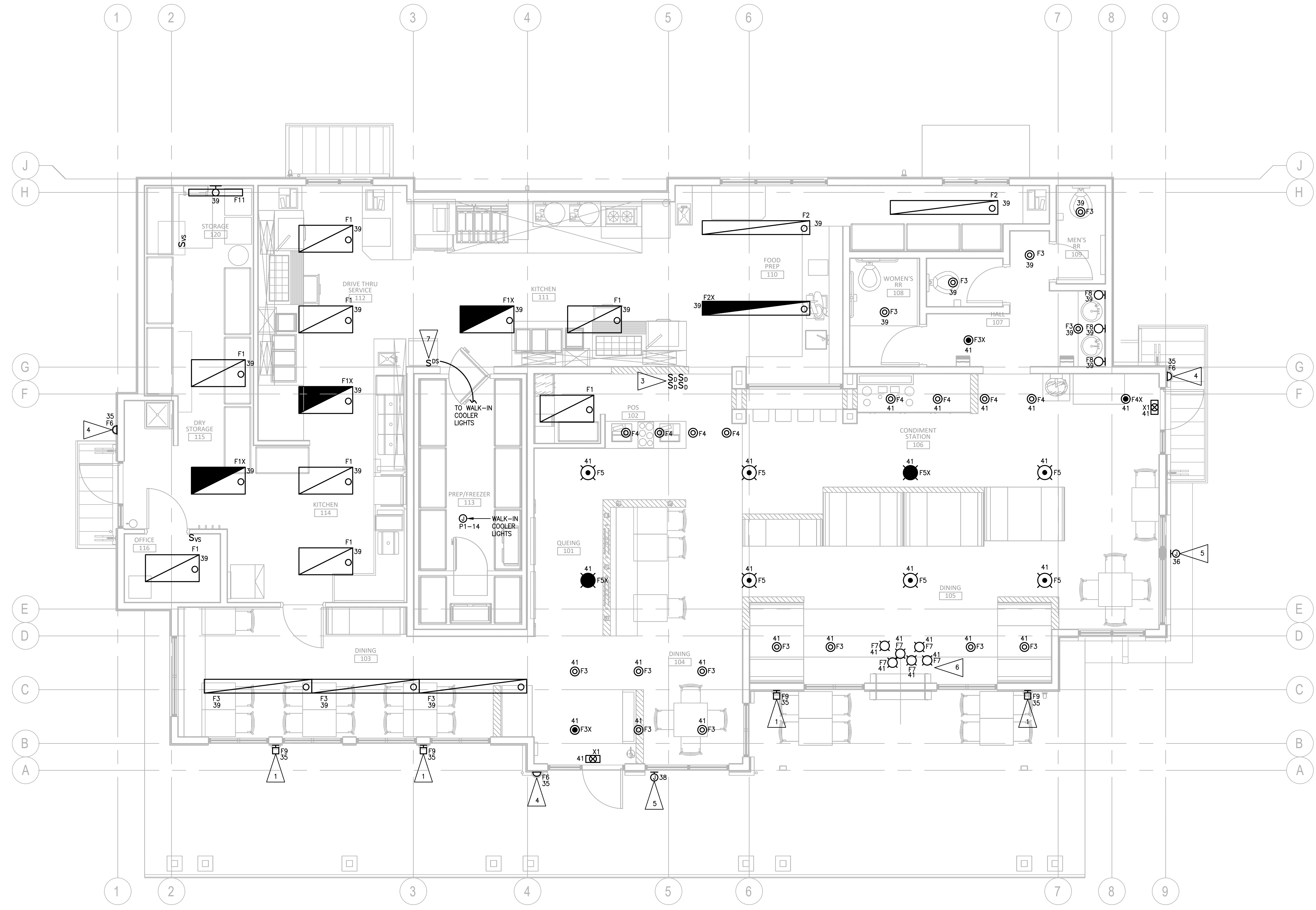
POWER/COMMUNICATIONS FLOOR PLAN  
SCALE: 1/4" = 1'-0"  
NORTH

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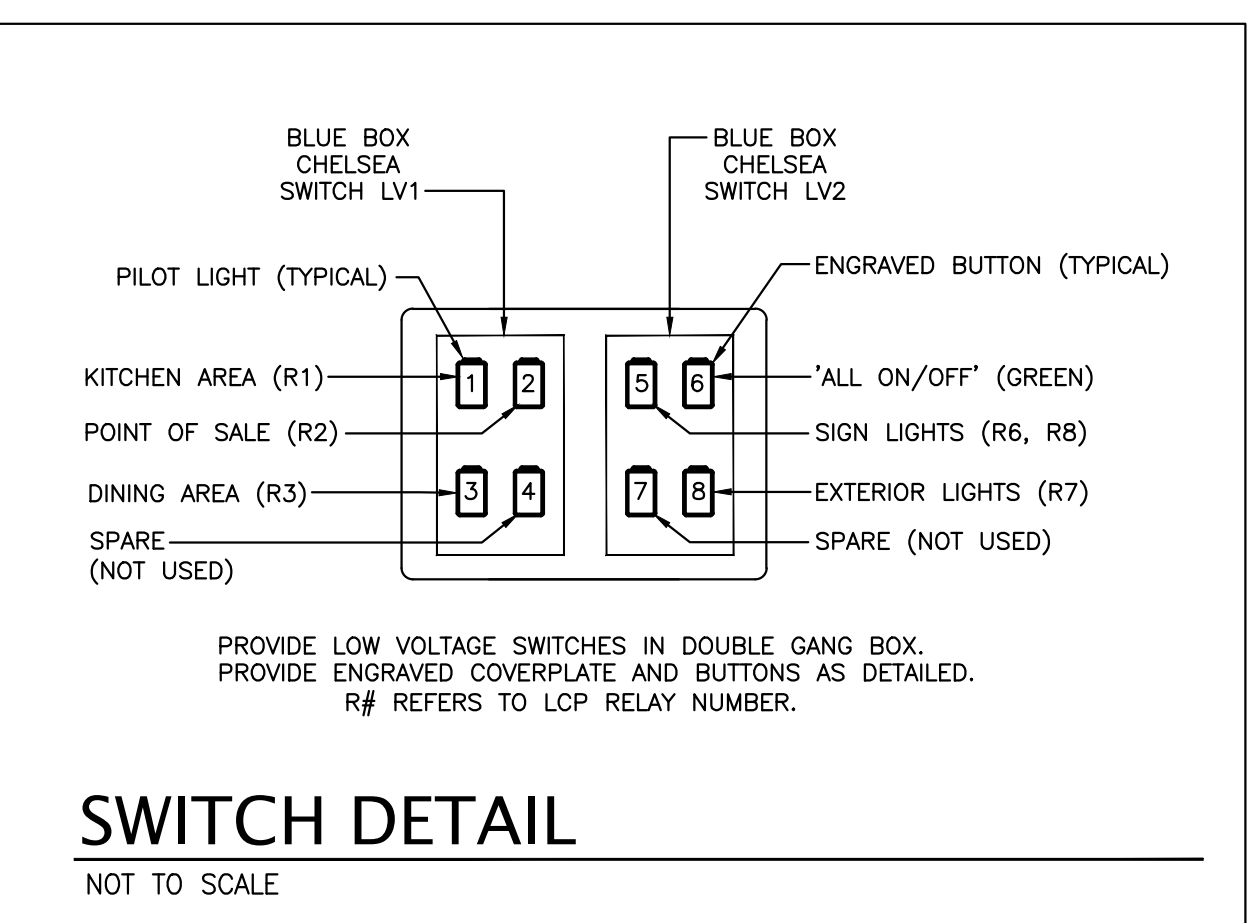


**GENERAL NOTES**

- CIRCUIT NUMBERS SHOWN REFER TO PANEL P3 UNLESS NOTED OTHERWISE
- BUILDING IS CLASSIFIED A-2 FOR OCCUPANCY: PER 2015 WASHINGTON STATE ENERGY CODE C405.2.4, EXCEPTION #4 (PAGE CE-77), DAYLIGHT CONTROLS ARE EXEMPT FOR THIS TENANT SPACE.
- PROVIDE LIGHTING SYSTEM COMMISSIONING PER WASHINGTON STATE ENERGY CODE C408, COMPLETE WITH TRAINING TO THE OWNER, TUNING OF DEVICES/CONTROLS AND DOCUMENTATION AS REQUIRED PER THE CODE.

**FLAG NOTES**

- EXTERIOR FIXTURE MOUNTED AT +19'-0" ABOVE GRADE. REFER TO ARCHITECTURAL ELEVATIONS.
- (NOT USED)
- PROVIDE DIGITAL SWITCHES PER SWITCH DETAIL, THIS SHEET.
- PROVIDE 90 MINUTE BATTERY BACKUP FOR ALL DOORS OF EGRESS
- PROVIDE CONNECTION TO SIGN
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, FOR DIMENSIONS AND SPACING OF "F6 CLUSTERS".
- PROVIDE 0-TO-15 MINUTE DIGITAL TIMER SWITCH (WATTSTOPPER RT-100 OR EQUAL).



**LIGHTING FLOOR PLAN**  
SCALE: 1/4" = 1'-0"  
NORTH

[2018 Washington State Building Code, section 1008.3.2] Buildings.  
In the event of power supply failure in buildings that require two or more means of egress, an emergency electrical system shall automatically illuminate all of the following areas:  
1. Interior exit access stairways and ramps.  
2. Interior and exterior exit stairways and ramps.  
3. Exit passageways.  
4. Vestibules and areas on the level of discharge used for exit discharge in accordance with Section 1028.1.  
5. Exterior landings as required by Section 1010.1.6 for exit doorways that lead directly to the exit discharge.



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LIGHTING FLOOR PLAN

**GENERAL NOTES**  
1. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE, SHEET E10.1, FOR HVAC CONNECTION REQUIREMENTS

**City of Puyallup**  
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Building	Planning
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Fire	Traffic



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PROJECT:  
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REVISIONS

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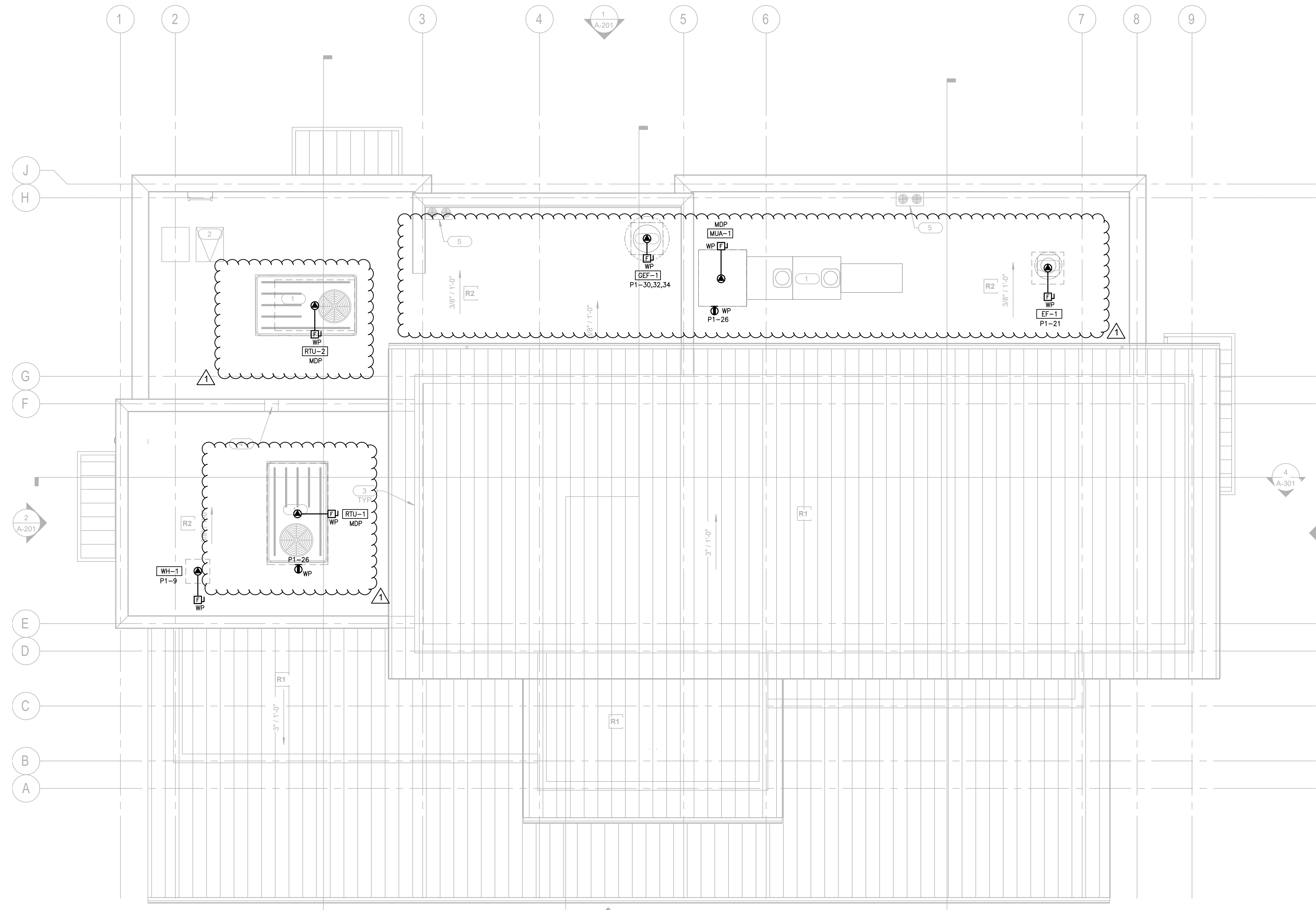
DATE: 12-19-2023  
BCRA NO.:  
CADD FILE:  
SHEET TITLE:

MECHANICAL CONNECTIONS FLOOR PLAN

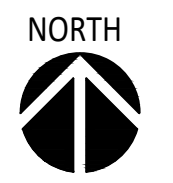
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SHEET

**E4.1**

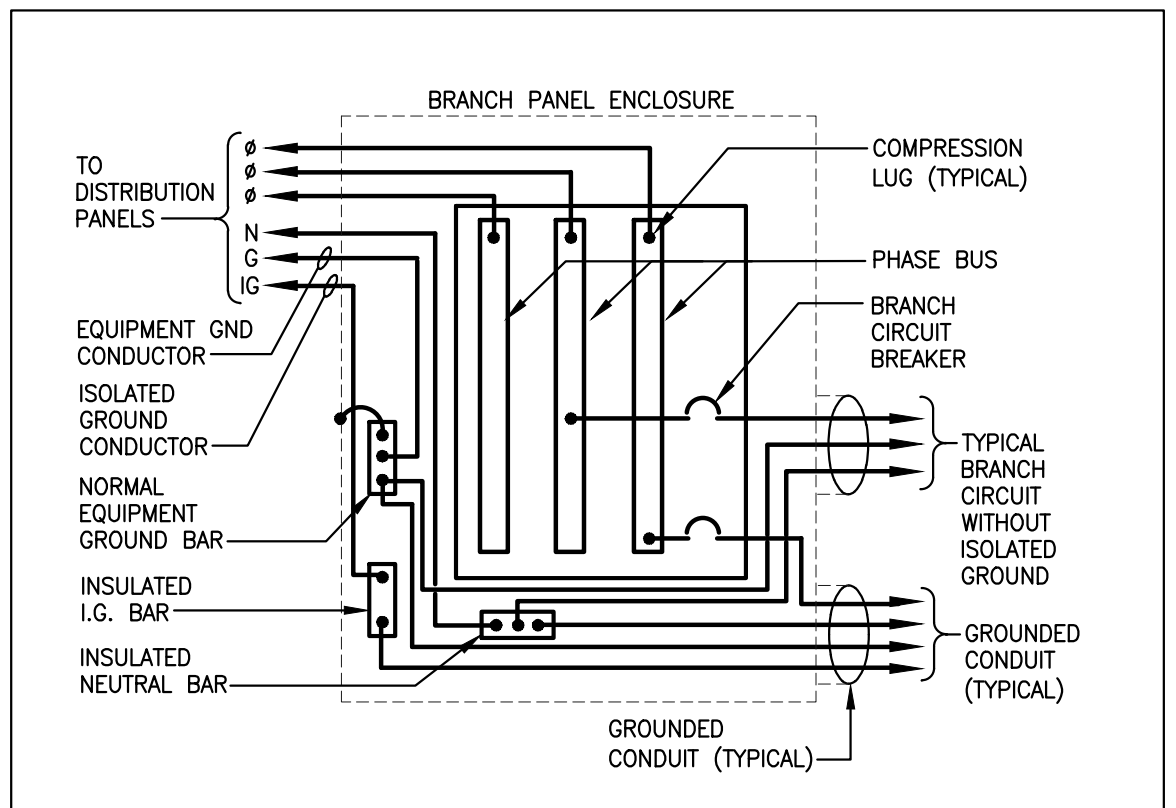
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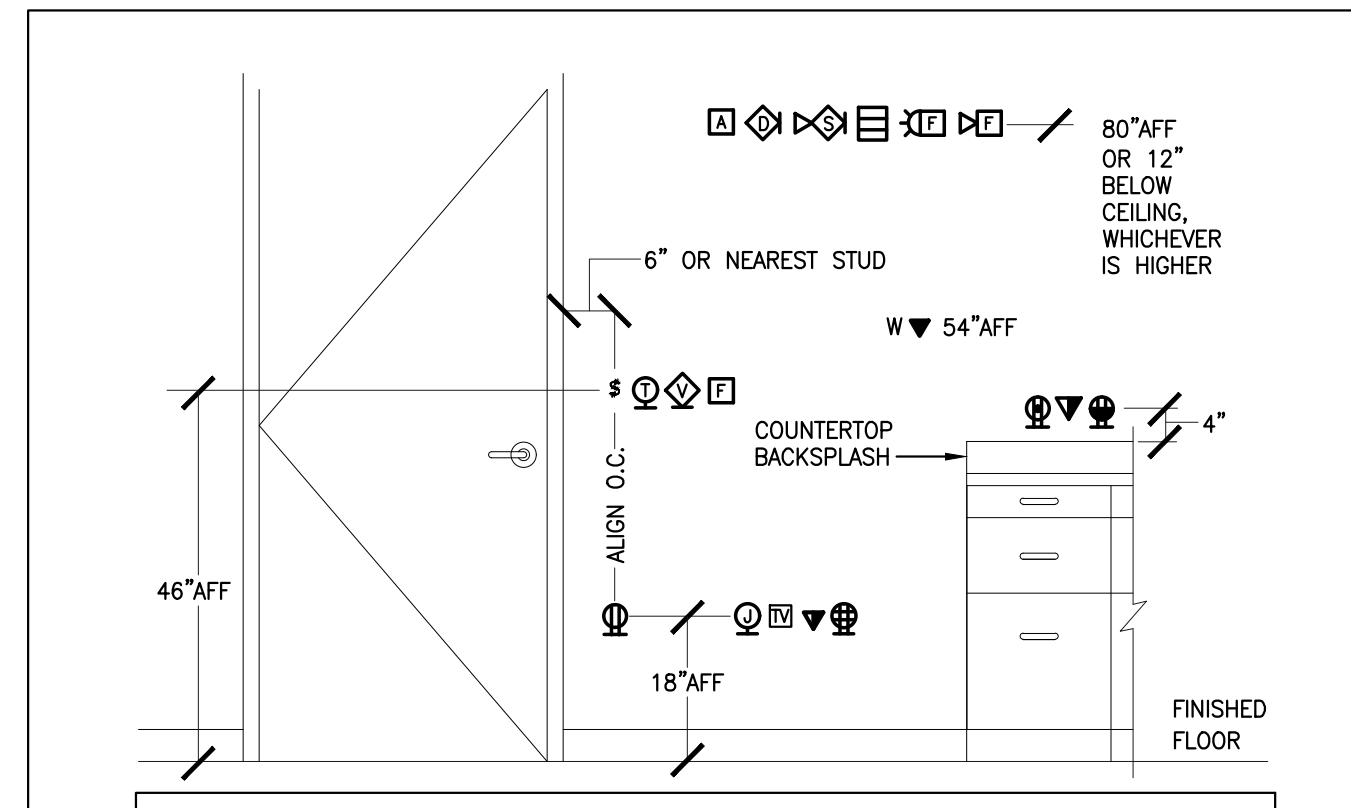
**MECHANICAL CONNECTIONS ROOF PLAN**  
SCALE: 1/4" = 1'-0"



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

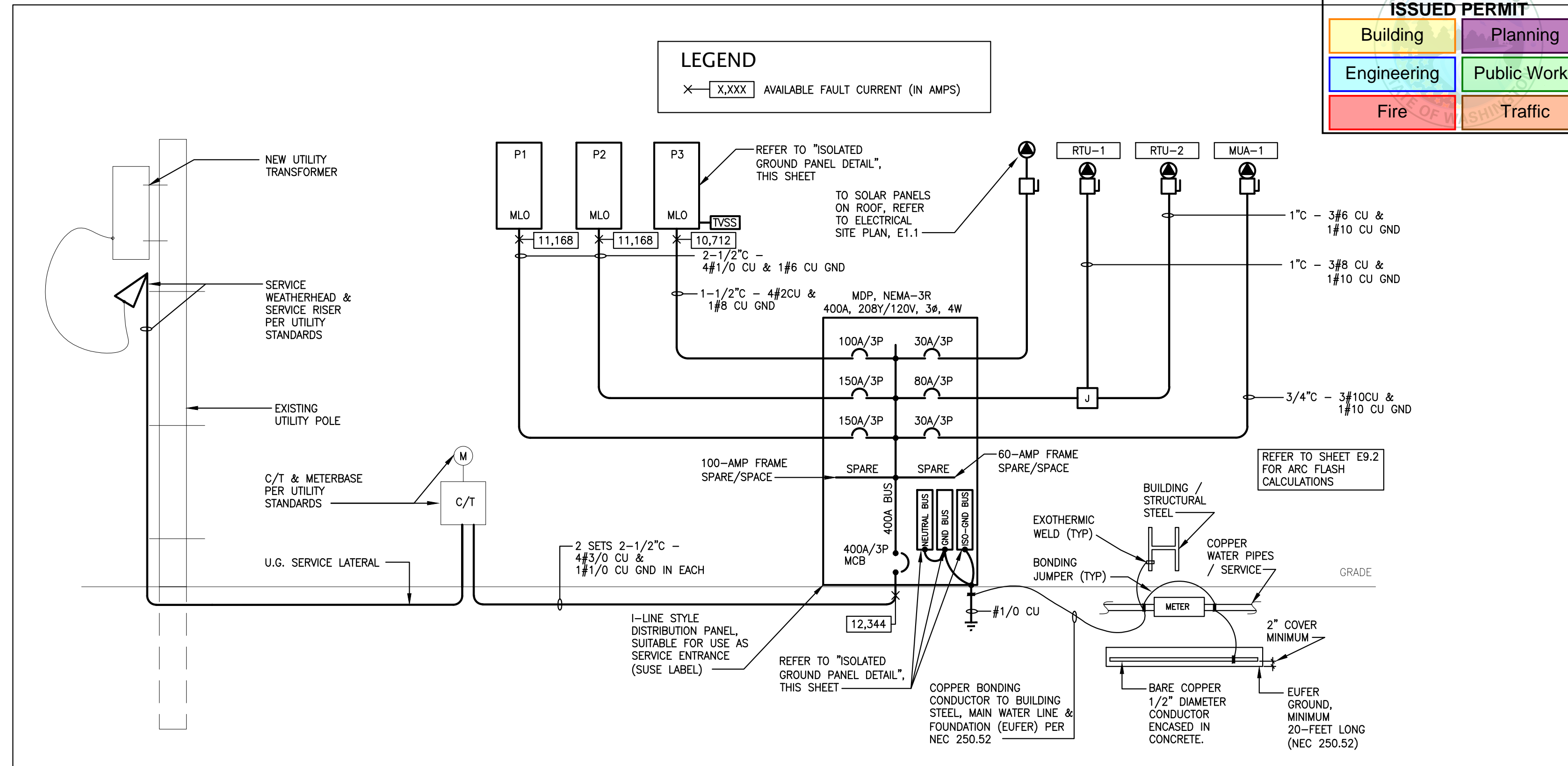


ISOLATED GROUND PANEL DETAIL NO SCALE



- GENERAL NOTES: 1. MOUNTING HEIGHTS ARE TO THE CENTER OF THE DEVICE... 2. VERIFY ALL MOUNTING HEIGHTS WITH ARCHITECT... 3. ALIGN OUTLETS VERTICALLY... 4. MOUNTING HEIGHTS SHOWN ON DETAIL SUPERCEDE... 5. FOR ANY DEVICE MOUNTING LOCATION THAT CONFLICTS...

TYPICAL MOUNTING HEIGHTS DETAIL NO SCALE



RISER DIAGRAM NOT TO SCALE

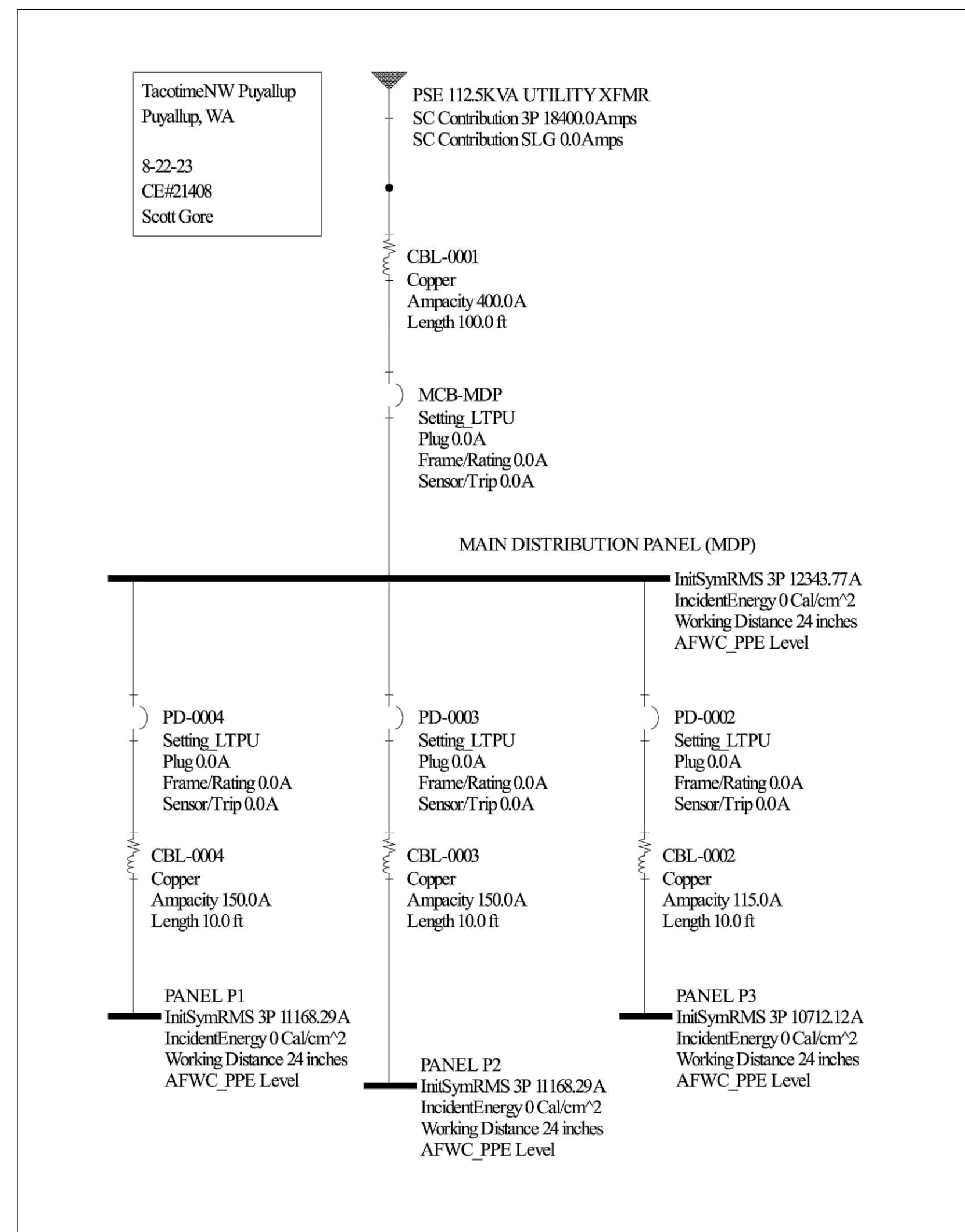
NEW PANEL: MDP table with columns for circuit name, load (kVA), and panel description. Includes load summary and demand load.

NEW PANEL P1 table with columns for circuit name, load (kVA), and panel description. Includes load summary and demand load.

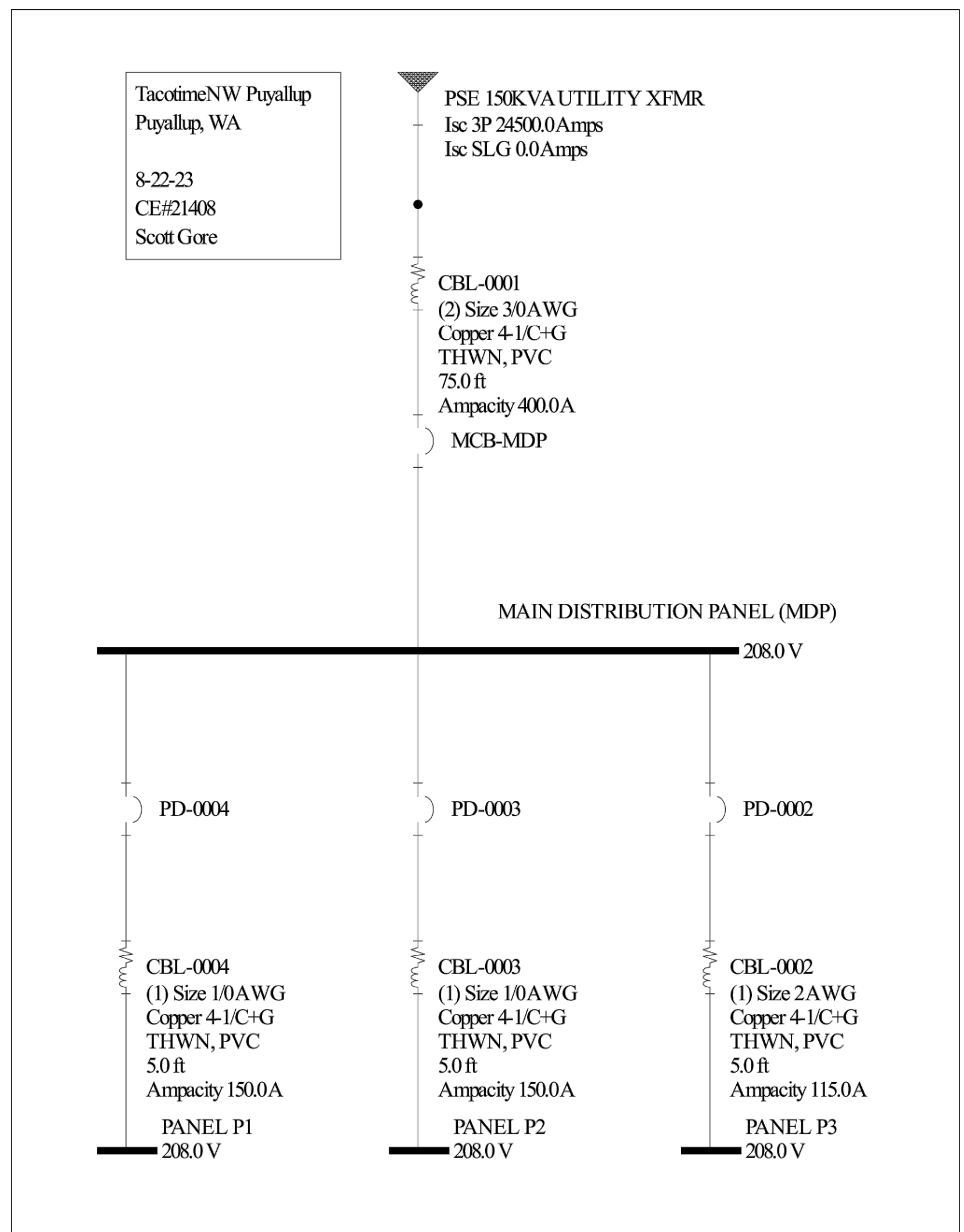
NEW PANEL P2 table with columns for circuit name, load (kVA), and panel description. Includes load summary and demand load.

NEW PANEL P3 table with columns for circuit name, load (kVA), and panel description. Includes load summary and demand load.

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



FAULT CURRENT RISER NOT TO SCALE



FAULT CURRENT INPUT DATA RISER NOT TO SCALE

WARNING: Arc Flash and Shock Risks Appropriate PPE Required. Failure to Comply Can Result in Death or Injury! 26.6 cal/cm² @18 in. 125 in Arc Flash Boundary, 208 VAC Shock Risk, 42 in Limited Approach, 12 in Restricted Approach, 999 cal/cm² Minimum Arc Rating, PPE: Level 4. Available Fault Current: 12.34 kA.

WARNING: Arc Flash and Shock Risks Appropriate PPE Required. Failure to Comply Can Result in Death or Injury! 23.8 cal/cm² @18 in. 117 in Arc Flash Boundary, 208 VAC Shock Risk, 42 in Limited Approach, 12 in Restricted Approach, 25 cal/cm² Minimum Arc Rating, PPE: Level 3. Available Fault Current: 11.17 kA.

WARNING: Arc Flash and Shock Risks Appropriate PPE Required. Failure to Comply Can Result in Death or Injury! 23.8 cal/cm² @18 in. 117 in Arc Flash Boundary, 208 VAC Shock Risk, 42 in Limited Approach, 12 in Restricted Approach, 25 cal/cm² Minimum Arc Rating, PPE: Level 3. Available Fault Current: 11.17 kA.

WARNING: Arc Flash and Shock Risks Appropriate PPE Required. Failure to Comply Can Result in Death or Injury! 22.7 cal/cm² @18 in. 113 in Arc Flash Boundary, 208 VAC Shock Risk, 42 in Limited Approach, 12 in Restricted Approach, 25 cal/cm² Minimum Arc Rating, PPE: Level 3. Available Fault Current: 10.71 kA.



CASE ENGINEERING Consulting Electrical Engineers. 18915 North Creek Parkway, Suite 302, Bonnell, Washington 98011. Phone: 425-402-9400, Fax: 425-402-9402.

PROJECT: NEW CONSTRUCTION TACO TIME ~ PUYALLUP. 1115 East Main Avenue, Puyallup, WA 98372.

REVISIONS table with columns for revision number, description, and date.

DATE: 12-19-2023. SHEET TITLE: ARC FLASH CALCULATIONS & LABELS.

**City of Puyallup**  
Development & Permitting Services  
**ISSUED PERMIT**

Building	Planning
Engineering	Public Works
Fire	Traffic

MECHANICAL EQUIPMENT CONNECTION SCHEDULE											
TAG	DESCRIPTION	HP /KW /VA	VOLTS / PHASE	MCA	FUSE (MOCP)	DISC. SWITCH	CIRCUIT	COPPER FEEDER SIZE	TAG	REMARKS	NOTES
WH-1	WATER HEATER (GAS)	104 VA	11 5/ 1	1	-	HRS	P1-9	1/2" C, 2#12, 1#12GND	WH-1		2
WH-2	WATER HEATER (ELECTRIC)	4.5 KW	208 / 3	15.6	-	30	P1-11, 13	3/4" C, 3#12, 1#12GND	WH-2		
EF-1	EXHAUST FAN	1/10 HP	11 5/ 1	8.25	-	HRS	P1-21	3/4" C, 3#12, 1#12GND	EF-1	ON ROOF	2
GEF-1	GREASE EXHAUST FAN	3.0 HP	208 / 3	14.25	20	30	P1-30, 32, 34	3/4" C, 3#12, 1#12GND	GEF-1	ON ROOF	2, 3, 5
MUA-1	MAKE-UP AIR UNIT	2.0 HP	208 / 3	12.5	20	30	MDP	3/4" C, 3#12, 1#12GND	MUA-1	ON ROOF	2, 3, 5
RTU-1	ROOF TOP UNIT	2.75 HP	208 / 3	39	50	60	MDP	1" C, 3#8, 1#10GND	RTU-1	ON ROOF	2, 5
RTU-2	ROOF TOP UNIT	1.0 HP	208 / 3	26	30	30	MDP	3/4" C, 3#10, 1#10GND	RTU-2	ON ROOF	2, 5

**GENERAL EQUIPMENT CONNECTION SCHEDULE NOTES**  
(APPLIES TO ALL EQUIPMENT LISTED IN SCHEDULE)

- A.** THE ABOVE INFORMATION IS FOR A SPECIFIC MANUFACTURER. THE ACTUAL MANUFACTURER FOR THE EQUIPMENT MAY BE DIFFERENT. COORDINATE WITH MECHANICAL EQUIPMENT SUBMITTALS FOR ACTUAL LOADS, CIRCUIT AMPACITY AND OVERCURRENT PROTECTION REQUIREMENTS PRIOR TO ELECTRICAL ROUGH-IN.
- B.** LOCATE ALL DISCONNECTING MEANS PER NEC AND AHJ REQUIREMENTS. STARTERS ARE SEPARATELY MOUNTED UNLESS OTHERWISE NOTED.
- C.** ABBREVIATIONS:  
HRS: HORSEPOWER RATED MOTOR DISCONNECT SWITCH W/ OVERLOAD PROTECTION, 16-AMP (MIN), RED PILOT LIGHT. PROVIDE 1-POLE OR 2-POLE AS REQUIRED.  
Sm: MOTOR RATED TOGGLE SWITCH.  
TS: TOGGLE SWITCH, 16-AMP MINIMUM, RED PILOT LIGHT. PROVIDE 1-POLE OR 2-POLE AS REQUIRED.
- D.** ALL DISCONNECTS ARE 3 POLE UNLESS NOTED OTHERWISE.
- E.** PROVIDE A ROOFTOP WEATHERPROOF GFI DUPLEX RECEPTACLE WITHIN 25 FEET OF ALL ROOF MOUNTED HVAC UNITS AS REQUIRED BY NEC.
- F.** CONNECT FIRE SMOKE DAMPERS TO A 120VAC 20 AMP CIRCUIT Routed THROUGH A RELAY CONTACT (N.C.) IN THE FIRE ALARM CONTROL PANEL. REFER TO MECHANICAL DRAWINGS FOR ALL FIRE SMOKE DAMPER LOCATIONS AND QUANTITIES. PROVIDE ALL APPURTENANCES AS REQUIRED. PROVIDE DISCONNECT TOGGLE SWITCH WITHIN SIGHT OF THE DAMPER MOTOR CONTROLLER AND DAMPER MOTOR.

**SCHEDULE NOTES**

- (APPLIES TO SPECIFIC EQUIPMENT AS NOTED IN "NOTES" COLUMN)
1. VERIFY EXISTING MOTOR(S) AND PROVIDE DISCONNECTS & FUSING AS REQUIRED
  2. CONTROL BY DIVISION 23 CONTRACTOR
  3. INTERLOCK WITH EF-1, GEF-1, AND GEF-2. COORDINATE CONTROLS WITH MECHANICAL CONTRACTOR
  4. PROVIDE MOTOR RATED TOGGLE SWITCH, NSR ENCLOSURE
  5. FURNISH DUCT SMOKE DETECTOR(S) FOR INSTALLATION BY DIVISION 23 CONTRACTOR. HVAC UNITS OVER 2,000 CFM TO HAVE DUCT DETECTOR IN RETURN AIR DUCT. UNITS OVER 15,000 CFM TO HAVE DUCT DETECTORS IN RETURN AND SUPPLY AIR DUCTS. COORDINATE WITH DIVISION 23 FOR QUANTITY REQUIRED. PROVIDE CONNECTION AT THE HVAC UNIT FOR SHUTDOWN ON ALARM. PROVIDE CONNECTION TO THE FIRE ALARM CONTROL PANEL AS REQUIRED. ALL WIRING TO BE IN EMT CONDUIT.
  6. CONNECT HEAT PUMP AND HEATER TO SAME CIRCUIT AT UNIT AS INDICATED.
  7. PROVIDE SWITCH NEXT TO RESTROOM LIGHT SWITCH.
  8. STARTER PROVIDED BY DIV. 26. COORDINATE REQUIREMENTS WITH DIV. 23 CONTRACTOR PRIOR TO ORDERING.
  9. CONNECT TO LIGHT SWITCH IN ROOM FOR CONTROL.

KITCHEN EQUIPMENT CONNECTION SCHEDULE												
TAG	EQUIPMENT	VOLTS/ PHASE	AMPS	KVA / KW	HP	COPPER FEEDER SIZE	MTG. HEIGHT	CONNECTION	CIRCUIT NUMBER	TAG	REMARKS	NOTES
E1	POINT OF SALE (POS) SYSTEM	115/1	3			1/2" C, 2#12, 2#12GND	VERIFY	DUPLEX REC	P1-3, P1-27	E1		2
E2	POINT OF SALE MONITOR	115/1	3			1/2" C, 2#12, 2#12GND	+84"	DUPLEX REC		E2		2
E3	SODA DISPENSER	115/1	15			1/2" C, 2#12, 1#12GND	+30"	J-BOX	P1-28	E3		
E5	ICE DISPENSER	115/1	11.4			1/2" C, 2#12, 1#12GND	+30"	DUPLEX REC	P2-41	E5		4
E50	BLOWER COIL	115/1	18			1/2" C, 2#12, 1#12GND	+30"	J-BOX	P1-6	E50		
E51	BLOWER COIL	208/3	25			3/4" C, 3#10, 1#10GND			P1-8, 10	E51		
E52	WALK-IN COOLER	208/3	15			3/4" C, 3#12, 1#12GND				E52		
E100	SLICER	115/1	3.5			1/2" C, 2#12, 1#12GND	+48"	DUPLEX REC	P1-16	E100		
E101	SHREDDER	115/1	9			1/2" C, 2#12, 1#12GND	+48"	DUPLEX REC	P1-18	E101		5, 7
E104	DISHWASHER	208 / 3	45.4			3/4" C, 3#8, 1#10 GND		J-BOX		E104		
E105	TABLETOP KETTLE	208/3	18			1/2" C, 3#12, 1#10GND	+30"	J-BOX	P2-3, 5, 7, P2-11, 13, 15	E105		1
E107	FRYER DUMP STATION	115/1	6.3	0.75KW		1/2" C, 2#12, 1#12GND	+48"	DUPLEX REC	P2-17	E107		1
E108	REFRIGERATOR	115/1	5.7			1/2" C, 2#12, 1#12GND	+30"	DUPLEX REC	P2-31	E108		1
E109	FRYER	115/1	3			1/2" C, 2#12, 1#12GND	+30"	DUPLEX REC	P2-23, P2-27	E109		1
E110	UPRIGHT FREEZER	120	11			1/2" C, 2#12, 1#12GND		DUPLEX REC		E110		
E111	FIRE SUPPRESSION SYSTEM	115/1	5			1/2" C, 2#12, 1#12GND	VERIFY	J-BOX	P1-19	E111		
E112	MICROWAVE OVEN	115/1	14			1/2" C, 2#12, 1#12GND	+72"	DUPLEX REC	P2-4, 6, P2-35, 37	E112		
E113	WARMING DRAWER	120	3.8			1/2" C, 3#12, 1#10GND	+30"	DUPLEX REC	P2-34	E113		1
E114	SANDWICH GRILL	115/1	15			1/2" C, 2#12, 1#12GND	+30"	DUPLEX REC	P2-14	E114		
E115	DROP-IN WARMING WELLS	208/1		2.1KW		3/4" C, 2#10, 1#10GND	+30"	SPECIAL REC	P2-8, 10, P2-16, 18	E115		
E116	RAISED RAIL REFRIGERATOR	115/1	9			1/2" C, 2#12, 1#12GND	+18"	DUPLEX REC	P2-12	E116		
E117	HEAT LAMP	208/1		1.3KW		1/2" C, 2#12, 1#12GND	+72"	J-BOX	P2-30, P2-32	E117		
E118	ICE TEA DISPENSER	115/1	4			1/2" C, 2#12, 1#12GND	VERIFY	DUPLEX REC		E118		
E119	U.C. REFRIGERATOR	115/1								E119		
E150	HOOD LIGHTS	115/1	9			1/2" C, 2#12, 1#12GND		J-BOX		E150		1
E204	MENUBOARD	115/1	3			1/2" C, 2#12, 1#12GND		DUPLEX REC	P3-15	E204		
E403	HAND DRYER	115/1	20			1/2" C, 2#12, 1#12GND	VERIFY	J-BOX		E403		
E800	WALK-IN COOLER	208 / 1	15			1/2" C, 2#12, 1#12GND		J-BOX		E800		
E900	HEATNGLO FIREPLACE	115/1				1/2" C, 2#12, 1#12GND	VERIFY	J-BOX	P1-20	E900		

**GENERAL NOTES - APPLIES TO ALL EQUIPMENT LISTED IN THIS SCHEDULE.**

- A.** REVIEW ALL FOOD SERVICE PLAN SHEETS FOR ADDITIONAL ELECTRICAL REQUIREMENTS NOT LISTED IN THIS SCHEDULE. PROVIDE CIRCUIT CONNECTIONS AS REQUIRED.
- B.** PROVIDE LIQUID TIGHT FLEXIBLE METAL CONDUIT AND WATER PROOF CONNECTIONS FOR ALL FLEXIBLE DIRECT CONNECTIONS.
- C.** PROVIDE GFCI TYPE RECEPTACLES FOR ALL 125V 1 PH 15A AND 20A RECEPTACLES.
- D.** MAKE ALL FINAL CONNECTIONS TO ALL KITCHEN AND COOLER EQUIPMENT. PROVIDE ALL APPURTENANCES AS REQUIRED.

**SPECIFIC NOTES - APPLIES TO INDIVIDUAL EQUIPMENT AS NOTED IN 'NOTES' COLUMN IN THIS SCHEDULE**

1. PROVIDE SHUNT TRIP BREAKERS FOR "POWER OFF" CONTROL OF ALL EQUIPMENT UNDER HOOD BY THE FIRE SUPPRESSION SYSTEM.
2. PROVIDE DATA CONNECTION FOR POS TERMINAL. COORDINATE LOCATION WITH OWNER.
3. SEE FOOD SERVICE PLAN SHEETS FOR FIRE SUPPRESSION SYSTEM DETAILS. COORDINATE AND PROVIDE ALL CONNECTIONS WITH FOOD SERVICE CONTRACTOR AND DIV. 23.
4. COORDINATE RECEPTACLE TYPE WITH KITCHEN EQUIPMENT SUBMITTAL (OR MANUFACTURER) PRIOR TO ROUGH IN. PROVIDE AS REQUIRED.
5. LAMPS AND LIGHT FIXTURES FURNISHED BY FOOD SERVICE CONTRACTOR.
6. PROVIDE CONTROL WIRING FROM DISHWASHER DRY CONTACT TO STARTER FOR CONTROL OF FAN. FAN SHALL TURN ON WITH DISHWASHER AND SET TO TURN OFF AFTER 1-HOUR.
7. PROVIDE TIMER AND/OR VACANCY-SENSOR CONTROLS TO TURN OFF LIGHT FIXTURES WITHIN 15-MINUTES OF UNOCCUPANCY PER W.S.E.C. C.405.10, 11, REFER TO LIGHTING PLAN SHEET E2.1 FOR REQUIREMENTS
8. INTERLOCK WITH FACP
9. THERMAL INTERLOCK WITH EF-1, GEF-1 AND GEF-2. COORDINATE CONTROLS WITH MECHANICAL.

SEAL



**CASE ENGINEERING**  
Consulting Electrical Engineers  
19515 North Creek Parkway, Suite 302  
Bellevue, Washington 98011  
Phone: 425-402-9400 Fax: 425-402-9402

PROJECT:  
NEW CONSTRUCTION  
**TACO TIME** ~ PUYALLUP  
11115 East Main Avenue  
Puyallup, WA 98372

REVISIONS

NO.	DESCRIPTION	DATE
1	Addendum #1	12-23-23

DATE: 12-19-2023  
BCRA NO.:  
CADD FILE:  
SHEET TITLE:  
**SCHEDULES**

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SHEET

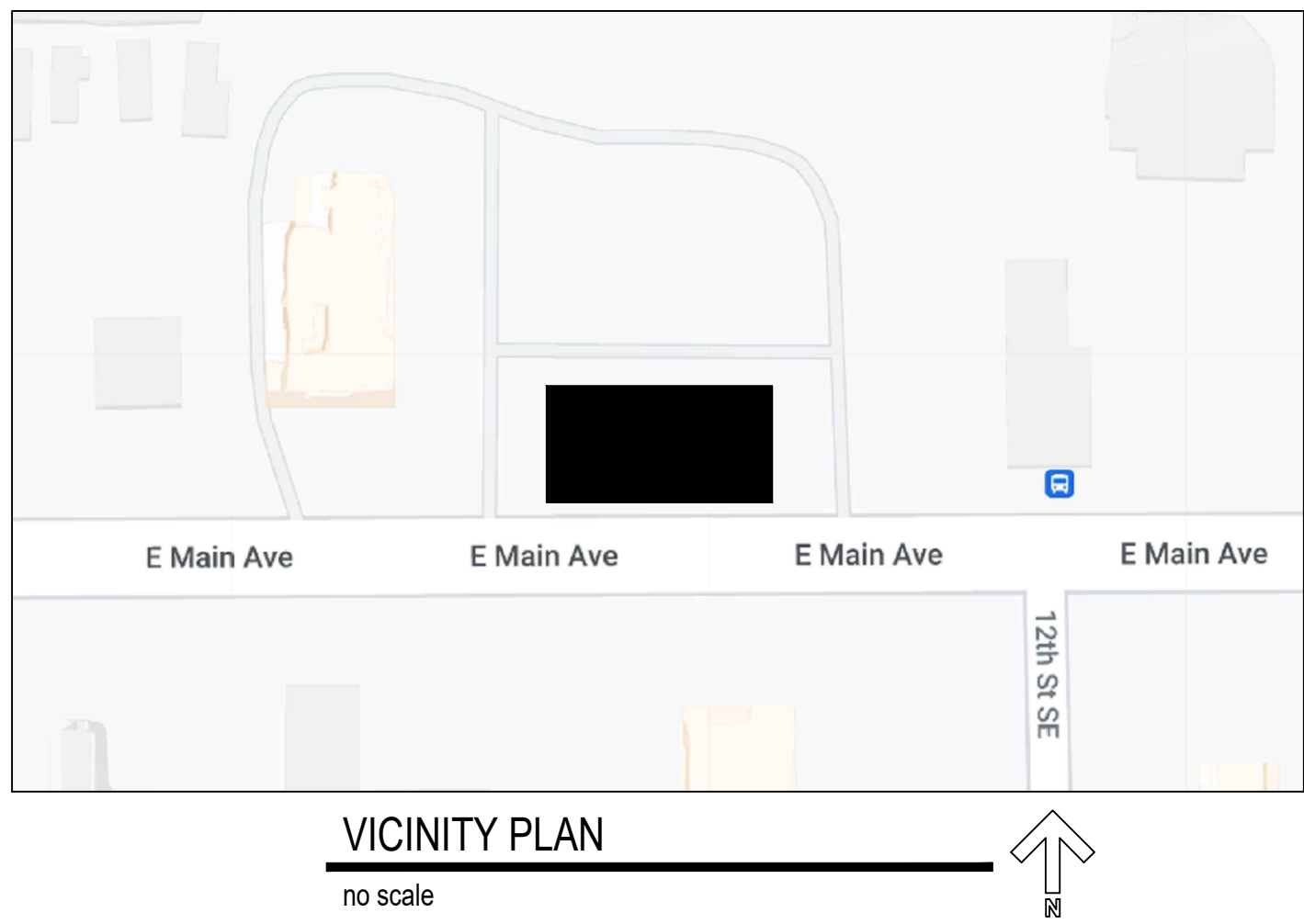
### PLUMBING LEGEND

#### GENERAL

SYMBOL	DESCRIPTION
	HEAVY LINE INDICATES NEW WORK
	LIGHT LINE INDICATES EXISTING WORK OR BACKGROUND
	CENTERLINE
	PIPELINE - NORMAL DIRECTION OF FLOW
	KEY NOTE CALLOUT
	REVISION CALLOUT
	PLUMBING FIXTURE OR DRAIN CALLOUT, SEE SCHEDULE
	KITCHEN EQUIPMENT CALLOUT, SEE KITCHEN DOCUMENTS
	POINT OF CONNECTION
	INDICATES DIAMETER OR ROUND
	DETAIL CALLOUT: INDICATES DETAIL NUMBER SHEET NUMBER WHERE DETAIL IS DRAWN
	SECTION CALLOUT: INDICATES DIRECTION OF CUTTING PLANE INDICATES SECTION LETTER SHEET NUMBER WHERE SECTION IS DRAWN

#### PLUMBING AND PIPING

SYMBOL	DESCRIPTION
	COLD WATER
	HOT WATER
	HOT WATER CIRCULATING
	SOIL OR WASTE - ABOVE GROUND
	GREASE WASTE
	SOIL OR WASTE - BELOW GROUND
	VENT
	NATURAL GAS
	RAIN WATER LEADER
	CONDENSATE DRAIN
	PIPE TURNING UP OR TOWARD
	PIPE TURNING DOWN OR AWAY
	FLOOR DRAIN
	GATE VALVE
	GLOBE VALVE
	CHECK VALVE
	CALIBRATED BALANCING VALVE
	BALL VALVE
	PRESSURE REGULATING VALVE
	UNION
	VENT THROUGH ROOF
	WALL HYDRANT/HOSE BIBB
	BACKFLOW PREVENTER



### ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	KW	KILOWATT
ARCH	ARCHITECTURAL	LBS	POUNDS
CO	CLEANOUT	MAX	MAXIMUM
CONT	CONTINUATION	MCA	MINIMUM CURRENT AMPACITY
CW	COLD WATER	MECH	MECHANICAL
DEG	DEGREE	MFR	MANUFACTURER
DIA	DIAMETER	MIN	MINIMUM
DN	DOWN	POC	POINT OF CONNECTION
EXIST (E)	EXISTING	RPM	REVOLUTIONS PER MINUTE
F	FAHRENHEIT	SF	SQUARE FEET
FD	FLOOR DRAIN	SPEC	SPECIFICATION
FLA	FULL LOAD AMPACITY	TSP	TOTAL STATIC PRESSURE
FPM	FEET PER MINUTE	TYP	TYPICAL
FT	FEET/FOOT	V	VENT
GPM	GALLONS PER MINUTE	VTR	VENT THROUGH ROOF
HW	HOT WATER	W	WASTE/WATT
IE	INVERT ELEVATION	WG	WATER GAGE
IN	INCH		

### DRAWING INDEX

P-1	LEGEND, DRAWING INDEX, ABBREVIATIONS, NOTES, ENERGY CODE COMPLIANCE
P-2	PLUMBING SCHEDULES
P-3	PLUMBING FOUNDATION PLAN
P-4	PLUMBING FLOOR PLAN
P-5	PLUMBING CEILING PLAN
P-6	NATURAL GAS PIPING FLOOR PLAN
P-7	PLUMBING ROOF PLAN
P-8	DETAILS
P-9	DETAILS, FIXTURE COUNTS

### PARCEL DATA

PARCEL #: 7845100032

LEGAL DESCRIPTION: SECTION 27 TOWNSHIP 20 RANGE 04 QUARTER 13 SPINNINGS FRANK R REPLAT PARCEL '2' OF DBLR 2003-05-28-5004 DESC AS FOLL S 163.57 FT OF E 124.08 FT OF L 4 & S 163.57 FT OF W 93.01 FT OF L 5 SUBJ TO & TOG/W EASE, RESTRICT & RESERV OF REC OUT OF 003-1, 0 RTSQ

### APPLICABLE CODES

PROJECT SHALL COMPLY WITH THE FOLLOWING BUILDING CODES WITH LOCAL AND WASHINGTON STATE AMENDMENTS:

- 2018 INTERNATIONAL BUILDING CODE
- 2018 UNIFORM PLUMBING CODE
- 2018 WASHINGTON STATE ENERGY CODE
- 2018 INTERNATIONAL FUEL GAS CODE

### GENERAL NOTES

- THE PLUMBING SYSTEM SHALL CONSIST OF ALL WORK SHOWN ON DRAWINGS, DIAGRAMS, AND AS DESCRIBED IN SPECIFICATIONS.
- INSTALL ALL PLUMBING WORK AS HIGH AS POSSIBLE, TIGHT TO STRUCTURE ABOVE.
- THE PLUMBING PLANS ARE DIAGRAMMATIC IN NATURE AND DO NOT ATTEMPT TO SHOW ALL REQUIRED OFFSETS. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR CONSTRUCTION DETAILS.
- ITEMS NOTED "TYPICAL" OR "TYP" ON ANY SHEET APPLY TO THAT PARTICULAR SHEET.
- COORDINATE WITH SPECIFICATIONS. IN CASE OF CONFLICT BETWEEN SPECIFICATIONS AND DRAWINGS THE MORE STRINGENT SHALL APPLY.
- PROVIDE NEC CODE MINIMUM HORIZONTAL AND VERTICAL WORKING CLEARANCES FOR ALL ELECTRICAL PANELS AND EQUIPMENT. OFFSET PLUMBING WORK AS REQUIRED.
- COORDINATE ALL PLUMBING WORK WITH THAT OF OTHER TRADES TO INSURE PROPER AND ADEQUATE INTERFACE OF THEIR WORK WITH THE WORK OF THIS CONTRACTOR. PROVIDE COORDINATED SHOP DRAWINGS PRIOR TO FABRICATION AND INSTALLATION.
- VERIFY EXISTING CONDITIONS BEFORE COMMENCING ANY WORK ON AN EXISTING PLUMBING SYSTEM.
- COORDINATE EXACT LOCATION AND MOUNTING HEIGHTS OF ALL PLUMBING FIXTURES WITH CASEWORK AND ARCHITECTURAL DRAWINGS AND KITCHEN CONSULTANT PLANS.

### PLUMBING NOTES

- PROVIDE WATER HAMMER ARRESTORS AT THE END OF HOT AND COLD WATER LINES SERVING TWO OR MORE FIXTURES: SIZE IN ACCORDANCE WITH WITH PDI REQUIREMENTS. ACCESS NOT REQUIRED.
- PLUMBING CONTRACTOR TO PROVIDE SHUT-OFF VALVES TO ALL PLUMBING EQUIPMENT AND FIXTURES. COORDINATE ACCESS PANELS WITH ARCHITECT AS REQUIRED.
- FOR PIPING PENETRATIONS OF FLOORS AND WALLS, REFER TO DETAILS ON SHEET P-8.
- PROVIDE TRAP PRIMERS TO ALL FLOOR DRAINS. COORDINATE ACCESS WITH GENERAL CONTRACTOR.
- PROVIDE PIPE INSULATION PER WSEC. REFER TO SCHEDULE ON SHEET P-2.
- SLOPE DOMESTIC WATER PIPING AND PROVIDE HOSE END DRAIN VALVES AS REQUIRED FOR SYSTEM DRAINAGE.
- PROVIDE CLEANOUTS IN ACCORDANCE WITH UPC REQUIREMENTS. REFER TO DETAILS ON SHEET P-8.
- FOR GAS CONNECTIONS REFER TO DETAIL ON SHEET P-8.
- FOR PIPE HANGER DETAILS AND CONNECTIONS TO STRUCTURE, REFER TO DETAILS ON SHEET P-9.
- PROVIDE BACKFLOW PREVENTION AS REQUIRED BY THE UPC. WHERE POTABLE WATER LINES ARE DIRECTLY CONNECTED TO EQUIPMENT, PROVIDE REDUCED PRESSURE BACKFLOW ASSEMBLY IN THE LINE. THIS INCLUDES, BUT IS NOT LIMITED TO, ICE MACHINES AND SODA DISPENSERS.
- NATURAL GAS PIPING: PRIOR TO ACCEPTANCE AND INITIAL OPERATION, ALL PIPING INSTALLATIONS SHALL BE INSPECTED AND PRESSURE TESTED TO DETERMINE THAT THE MATERIALS, DESIGN, FABRICATION AND INSTALLATION PRACTICES COMPLY WITH THE REQUIREMENTS OF SECTION 406 OF THE INTERNATIONAL FUEL GAS CODE.
- EFFICIENT HEATED WATER SUPPLY PIPING: HEATED WATER SUPPLY PIPING SHALL BE IN ACCORDANCE WITH WSEC SECTION C404.3.1 OR C404.3.2. REFER TO SHEET P-1 FOR CODE REQUIREMENTS.
- IN COMPLIANCE WITH WSEC C103.6, PROVIDE THE FOLLOWING TO THE OWNER: 1) REDLINED PLUMBING PLANS, 2) A COMPLETE SET OF OPERATIONS AND MAINTENANCE MATERIALS FOR ALL PLUMBING EQUIPMENT, AND 3) SYSTEMS OPERATION TRAINING.

### WSEC C404.3—EFFICIENT HEATED WATER SUPPLY PIPING.

C404.3 EFFICIENT HEATED WATER SUPPLY PIPING. HEATED WATER SUPPLY PIPING SHALL BE IN ACCORDANCE WITH SECTION C404.3.1 OR C404.3.2. THE FLOW RATE THROUGH 1/4-INCH (6.4 MM) PIPING SHALL BE NOT GREATER THAN 0.5 GPM (1.9 L/M). THE FLOW RATE THROUGH 5/16-INCH (7.9 MM) PIPING SHALL BE NOT GREATER THAN 1 GPM (3.8 L/M). THE FLOW RATE THROUGH 3/8-INCH (9.5 MM) PIPING SHALL BE NOT GREATER THAN 1.5 GPM (5.7 L/M). WATER HEATERS, CIRCULATING WATER SYSTEMS AND HEAT TRACE TEMPERATURE MAINTENANCE SYSTEMS SHALL BE CONSIDERED SOURCES OF HEATED WATER.

C404.3.1 MAXIMUM ALLOWABLE PIPE LENGTH METHOD. THE MAXIMUM ALLOWABLE PIPING LENGTH FROM THE NEAREST SOURCE OF HEATER WATER TO THE TERMINATION OF THE FIXTURE SUPPLY PIPE SHALL BE IN ACCORDANCE WITH THE FOLLOWING. WHERE THE PIPING CONTAINS MORE THAN ONE SIZE OF PIPE, THE LARGEST SIZE OF PIPE WITHIN THE PIPING SHALL BE USED FOR DETERMINING THE MAXIMUM ALLOWABLE LENGTH OF THE PIPING IN TABLE C404.3.1.

- FOR A PUBLIC LAVATORY FAUCET, USE THE "PUBLIC LAVATORY FAUCETS" COLUMN IN TABLE C404.3.1.
- FOR ALL OTHER PLUMBING FIXTURES AND PLUMBING APPLIANCES, USE THE "OTHER FIXTURES AND APPLIANCES" COLUMN IN TABLE C404.3.1.

Table C404.3.1  
Piping Volume and Maximum Piping Lengths

Nominal Pipe Size (inches)	Volume (liquid ounces per foot length)	Maximum Piping Length (feet)	
		Public lavatory faucets	Other fixtures and appliances
1/4	0.33	6	50
5/16	0.5	4	50
3/8	0.75	3	50
1/2	1.5	2	43
5/8	2	1	32
3/4	3	0.5	21
7/8	4	0.5	16
1	5	0.5	13
1 1/4	8	0.5	8
1 1/2	11	0.5	6
2 or larger	18	0.5	4

City of Puyallup  
Development & Permitting Services  
**ISSUED PERMIT**

Building	Planning
Engineering	Public Works
Fire	Traffic

BCRA  
MECHANICAL ENGINEERING  
336 NW 50th Street  
Seattle, WA 98107  
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rainbowconsulting-me.com

PROFESSIONAL ENGINEER  
STATE OF WASHINGTON  
35615  
01/06/2023

PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS

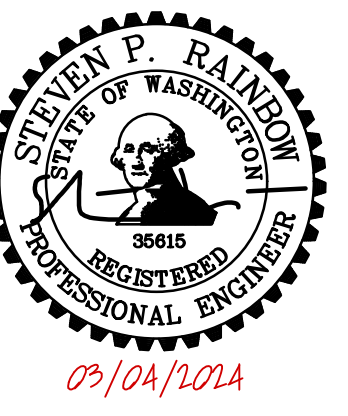
NO.	DATE	DESCRIPTION

DATE: 7.6.2023  
RCS# NO: 19110.00.00  
DRAWN BY:  
REVIEWED BY:

CODE COMPLIANCE  
ABBREVIATIONS  
NOTES, LEGEND  
VICINITY MAP  
DRAWING INDEX  
SCHEDULES

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SHEET

**P-1**  
PERMIT SET



**PLUMBING FIXTURE SCHEDULE AND ROUGH-IN CONNECTIONS**

MARK	DESCRIPTION	MAKE/MODEL	COLD WATER: IN	HOT WATER: IN	WASTE: IN	DIRECT OR INDIRECT	VENT: IN	REMARKS
P1	TOILET ADA 1.28 GPF, TANK TYPE, FLOOR MOUNT	TOTO CST744EL	1/2	-	3	DIRECT	2	[2, 4, 6]
P2	UNDERMNT ADA LAVATORY, 0.5 GPM SENSOR FAUCET	FORMICA L080 TOTO T28S51	1/2	1/2	1-1/2	DIRECT	1-1/2	[1, 2, 3, 5, 6]
P3	ENCASED FREEZE PROOF HOSE BIBB	ZURN Z1300	3/4	-	-	-	-	[6]

- REMARKS:
- ADA MOUNTING HEIGHT AND ADA APPROVED
  - PROVIDE MIXING VALVE AT LAVS TO LIMIT WATER TO A MAXIMUM TEMPERATURE OF 110°F. PROVIDE TEMPERATURE REGULATING VALVES AT EACH LAV COMPLYING WITH ASSE 1070.
  - FURNISH WITH CHROME SUPPLIES, LOOSE KEY STOPS, CAST BRASS TRAP.
  - FURNISH WITH OPEN FRONT SEAT.
  - PROVIDE ADA COMPLIANT PREFORMED INSULATED PIPE COVERS FOR UNDER-SINK PROTECTION FOR P-TRAPS AND ANGLE VALVES AND SUPPLY TUBES.
  - FIXTURE FITTINGS COVERED UNDER THE SCOPE OF NSF 61 SHALL COMPLY WITH THE REQUIREMENTS OF NSF 61.

**FLOOR DRAINS AND SANITARY FLOOR SINKS**

MARK	DESCRIPTION	D1	D2	D3
		FLOOR DRAIN	SANITARY FLOOR SINK	SANITARY FLOOR SINK
SIZE	PIPE SIZE: IN	2	2	3
	SIZE: IN	6" DIA.	8" DIA.	12" DIA.
	TRAP PRIMER: IN	1/2	1/2	1/2
MATERIAL	BODY	DUCO CI	CI/PORCELAIN	CI/PORCELAIN
	STRAINER / GRATE	NICK. BRO.	NICK. BRO.	NICK. BRO.
BASIS OF DESIGN	MANUFACTURER	ZURN	ZURN	ZURN
	MODEL	Z415B	Z1960	Z1950
REMARKS	NOTES	[2]	[1, 3]	[1, 3]

- NOTES:
- PROVIDE WITH 1/2 GRATE.
  - REFER TO DETAIL 4 ON SHEET P-8.
  - REFER TO DETAIL 5 ON SHEET P-9.

**KITCHEN PLUMBING FIXTURE SCHEDULE AND ROUGH-IN CONNECTIONS**

MARK	DESCRIPTION	MAKE/MODEL	COLD WATER: IN	HOT WATER: IN	WASTE: IN	SANITARY OR GREASE	DIRECT OR INDIRECT	VENT: IN	REMARKS
E3	SODA DISPENSER	SEE ARCHITECTURAL PLANS	1/2	-	1-1/2	GREASE	INDIRECT	-	[3, 4]
E5	ICE MAKER	SEE ARCHITECTURAL PLANS	1/2	-	1	GREASE	INDIRECT	-	[3, 4]
E60	MOP SINK	SEE ARCHITECTURAL PLANS	3/4	3/4	3	GREASE	DIRECT	2	[4]
E61/E67	PRE RINSE	SEE ARCHITECTURAL PLANS	1/2	1/2	3	GREASE	INDIRECT	2	[4]
E63/E66	3-COMPARTMENT SINK	SEE ARCHITECTURAL PLANS	1/2	1/2	3	GREASE	DIRECT	2	[4]
E64	HAND SINK WITH EYEWASH	SEE ARCHITECTURAL PLANS	1/2	1/2	2	GREASE	DIRECT	1-1/2	[1, 2, 4]
E65/E66	PREP SINK	SEE ARCHITECTURAL PLANS	1/2	1/2	1-1/2	GREASE	INDIRECT	-	[4]
E78	HAND SINK	SEE ARCHITECTURAL PLANS	1/2	1/2	2	GREASE	DIRECT	1-1/2	[1, 2, 4]
E104	DISHWASHER	SEE ARCHITECTURAL PLANS	1/2	-	2	GREASE	INDIRECT	-	[3, 4]

- NOTES:
- PROVIDE MIXING VALVE AT HAND SINKS TO LIMIT WATER TO A MAXIMUM TEMPERATURE OF 110°F. PROVIDE TEMPERATURE REGULATING VALVES AT EACH HAND SINK COMPLYING WITH ASSE 1070.
  - FURNISH WITH CHROME SUPPLIES, LOOSE KEY STOPS, CAST BRASS TRAP.
  - APPLIANCE WATER LINE TO BE PROVIDED WITH A REDUCED PRESSURE BACKFLOW PREVENTER - REFER TO PLANS.
  - FIXTURE FITTINGS COVERED UNDER THE SCOPE OF NSF 61 SHALL COMPLY WITH THE REQUIREMENTS OF NSF 61.

**PLUMBING PIPING SCHEDULE**

SERVICE	PIPING MATERIAL / JOINING METHOD
ABOVE GROUND DOMESTIC COLD WATER DOMESTIC HOT WATER	HARD COPPER TUBE, TYPE L; COPPER / SOLDER-JOINT FITTINGS; SOLDERED JOINTS; THREADED FITTINGS, OR UPONOR CROSSLINKED POLYETHYLENE (PEX-A) TUBING / PRESS CRIMP; EXPANSION
ABOVE GROUND SANITARY DRAIN, WASTE AND VENT RAINWATER LEADERS	SCHEDULE 40 POLY VINYL CHLORIDE (PVC) PLASTIC DRAIN, WASTE, AND VENT PIPE AND FITTINGS; ASTM D 2665 / SOLVENT CEMENT JOINTS TO BE IN ACCORDANCE WITH SECTION 705.6.2 OF THE UPC AND ASTM F656 FOR PRIMER AND ASTM D2564 FOR SOLVENT CEMENTS.
BELOW GROUND SANITARY DRAIN, WASTE AND VENT RAINWATER LEADERS	SCHEDULE 40 POLY VINYL CHLORIDE (PVC) PLASTIC DRAIN, WASTE, AND VENT PIPE AND FITTINGS; ASTM D 2665 / SOLVENT CEMENT JOINTS TO BE IN ACCORDANCE WITH SECTION 705.6.2 OF THE UPC AND ASTM F656 FOR PRIMER AND ASTM D2564 FOR SOLVENT CEMENTS.
NATURAL GAS PIPING	SCHEDULE 40 BLACK STEEL PIPING AND FITTINGS, ASTM A120, SEAMLESS / THREADED FITTINGS.

- NOTES:
- PIPE, TUBE, FITTINGS, SOLVENT CEMENT, THREAD SEALANTS, SOLDERS, AND FLUX USED IN POTABLE WATER SYSTEMS INTENDED TO SUPPLY DRINKING WATER SHALL COMPLY WITH NSF 61.
  - VALVES CARRYING WATER USED IN POTABLE WATER SYSTEMS INTENDED TO SUPPLY DRINKING WATER SHALL COMPLY WITH THE REQUIREMENTS OF NSF 61.

**PLUMBING PIPE INSULATION THICKNESS (WSEC TABLE C403.2.9)**

SERVICE	FLUID OPERATING TEMPERATURE RANGE DEG-F	CONDUCTIVITY BTU IN / h FT^2 F	MEAN RATING TEMPERATURE DEG-F	NOMINAL PIPE OR TUBE SIZE (INCHES)				INSULATION TYPE
				< 1	1 TO <1 1/2	1 1/2 TO <4	4 TO <8	
DOMESTIC COLD WATER	40-60	0.21 - 0.27	75	0.5	1.0	1.0	1.0	INSULATION MATERIAL: MINERAL FIBER. FIELD-APPLIED JACKET: FOIL AND PAPER. VAPOR RETARDER REQUIRED: YES.
DOMESTIC HOT WATER	105-140	0.21 - 0.28	75	1.0	1.0	1.5	1.5	INSULATION MATERIAL: MINERAL FIBER. FIELD-APPLIED JACKET: FOIL AND PAPER. VAPOR RETARDER REQUIRED: NO.
RAINWATER LEADER	32-100	0.21 - 0.28	75	0.5	1.0	1.0	1.0	INSULATION MATERIAL: MINERAL FIBER. FIELD-APPLIED JACKET: FOIL AND PAPER. VAPOR RETARDER REQUIRED: YES.

**ROOF DRAINS**

MARK	DESCRIPTION	RD1	RD2
		ROOF DRAIN	OVERFLOW ROOF DRAIN
SIZE	PIPE SIZE: IN	3	3
	SIZE: IN	16"Ø	16"Ø
	TRAP PRIMER: IN	-	-
MATERIAL	BODY	DUCO CI	DUCO CI
	STRAINER / GRATE	CI DOME	CI DOME
BASIS OF DESIGN	MANUFACTURER	JR SMITH	JR SMITH
	MODEL	1010	1080
REMARKS	NOTES	[1]	[1]

- NOTES:
- PROVIDE WITH SUMP RECEIVER AND UNDERDECK CLAMP RING

**BACKFLOW PREVENTERS**

MARK	DESCRIPTION	AREA/ITEM SERVED	MAKE/MODEL	NOTES
BFP-1	1/2" REDUCED PRESSURE BACKFLOW ASSEMBLY	ICE MAKER	WATTS 009-QT-SH 1/2 NSF 61 CERTIFIED	[1]
BFP-2	1/2" REDUCED PRESSURE BACKFLOW ASSEMBLY	SODA DISPENSER	WATTS 009-QT-SH 1/2 NSF 61 CERTIFIED	[1]
BFP-3	1/2" REDUCED PRESSURE BACKFLOW ASSEMBLY	DISHWASHER	WATTS 009-QT-SH 1/2 NSF 61 CERTIFIED	[1]

- NOTES:
- FOR INSTALLATION, REFER TO DETAIL 10 ON SHEET P-8.
  - ALL SCHEDULED BACKFLOW PREVENTERS ARE NSF 61 CERTIFIED.

**WATER HEATER: TANKLESS**

MARK	LOCATION	WH-1
		GAS-FIRED KITCHEN TANKLESS
CAPACITY	TYPE	13.3 - 199
	INPUT: MBH	11.2
	MAX FLOW: GPM	200
ELECTRICAL	WATTS	115/1
	VOLT/PHASE	2
VENTING	INTAKE: IN	2
	EXHAUST: IN	2
UNIT WEIGHT	NET WEIGHT: LBS	77
BASIS OF DESIGN	MANUFACTURER	NAVIEN
	MODEL	NPE-240A2
REMARKS	NOTES	[1, 2]

- NOTES:
- WATER HEATER INCLUDES BUILT-IN HW CIRC PUMP
  - REFER TO DETAIL 2 ON SHEET P-8.

**TRENCH DRAIN**

MARK	TD1
LOCATION	KITCHEN
DESCRIPTION	VODALAND MINI SLOT SLIM CHANNEL DRAIN, 304 STAINLESS STEEL, 39" LENGTH, 3/8" SLOT. PROVIDE WITH ONE END CAP AND ONE 2" OUTLET CAP. DRAIN SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS.

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Engineering Public Works  
Fire Traffic

PROJECT:  
NEW CONSTRUCTION  
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EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS

ADDENDUM 01	12.12.23
ADDENDUM 02	03.04.24

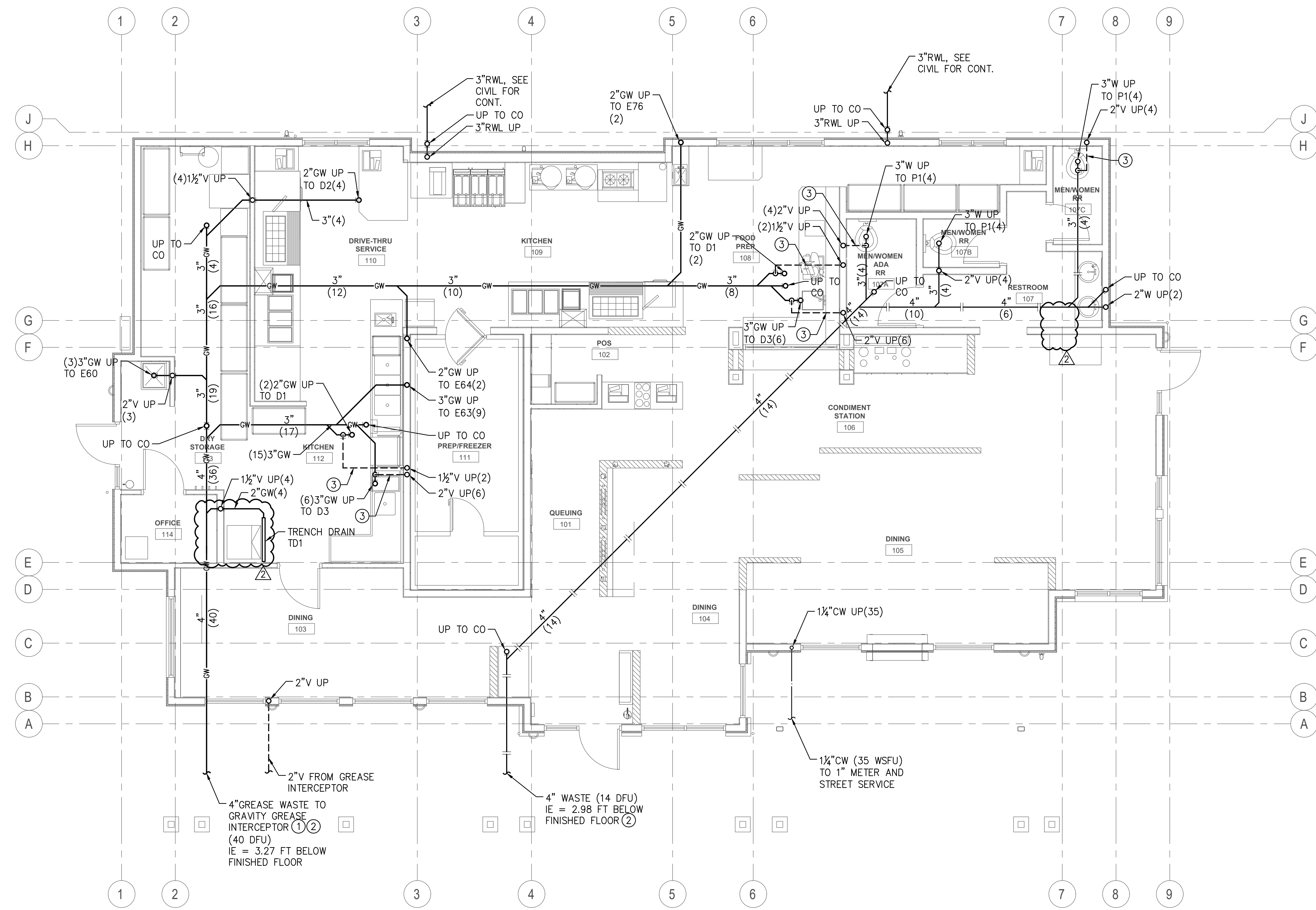
DATE: 7.6.2023  
RC24 NO: 19110.00.00  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: SCHEDULES



**PLAN NOTES:**  
1. PROVIDE INDIRECT DRAINS AS SCHEDULED ON ARCHITECTURAL EQUIPMENT PLANS AND AS REQUIRED BY THE UPC. FOR CLARITY OF PLANS, INDIRECT DRAINS ARE NOT SHOWN ON PLUMBING PLANS.  
2. PROVIDE ALL PLUMBING CONNECTIONS TO FIXTURES AND EQUIPMENT AS SCHEDULED BY THE ARCHITECTURAL EQUIPMENT PLANS.  
3. SLOPE ALL SANITARY WASTE AND GREASE WASTE AT 1/4-INCH PER LF.

**KEY NOTES:**  
① 4" GREASE WASTE TO 1250 GALLON GRAVITY GREASE INTERCEPTOR.  
② SEE CIVIL PLANS FOR CONTINUATION.  
③ DUE TO STRUCTURAL LIMITATIONS, PROVIDE HORIZONTAL VENT. PROVIDE ALL SUB GRADE VENTING WITH DRAINAGE FITTINGS AND INSTALL A CLEAN OUT AS THE VENT PIPE EXITS THE FLOOR ON THE VERTICAL.

**LEGEND:**  
(E)3"(24)  
FIXTURE UNITS  
PIPE SIZE  
(E)=EXISTING



PLUMBING FOUNDATION PLAN  
1/4" = 1'-0"

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

City of Puyallup  
Development & Permitting Services  
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

[2018 Uniform Plumbing Code, section 402.5] Setting.  
Fixtures shall be set level and in proper alignment with reference to adjacent walls. No water closet or bidet shall be set closer than fifteen (15) inches (381 mm) from its center to any side wall or obstruction nor closer than thirty (30) inches (762 mm) center to center to any similar fixture. The clear space in front of any water closet or bidet shall be not less than twenty-four (24) inches (610 mm). No urinal shall be set closer than twelve (12) inches (305 mm) from its center to any side wall or partition nor closer than twenty-four (24) inches (610 mm) center to center.

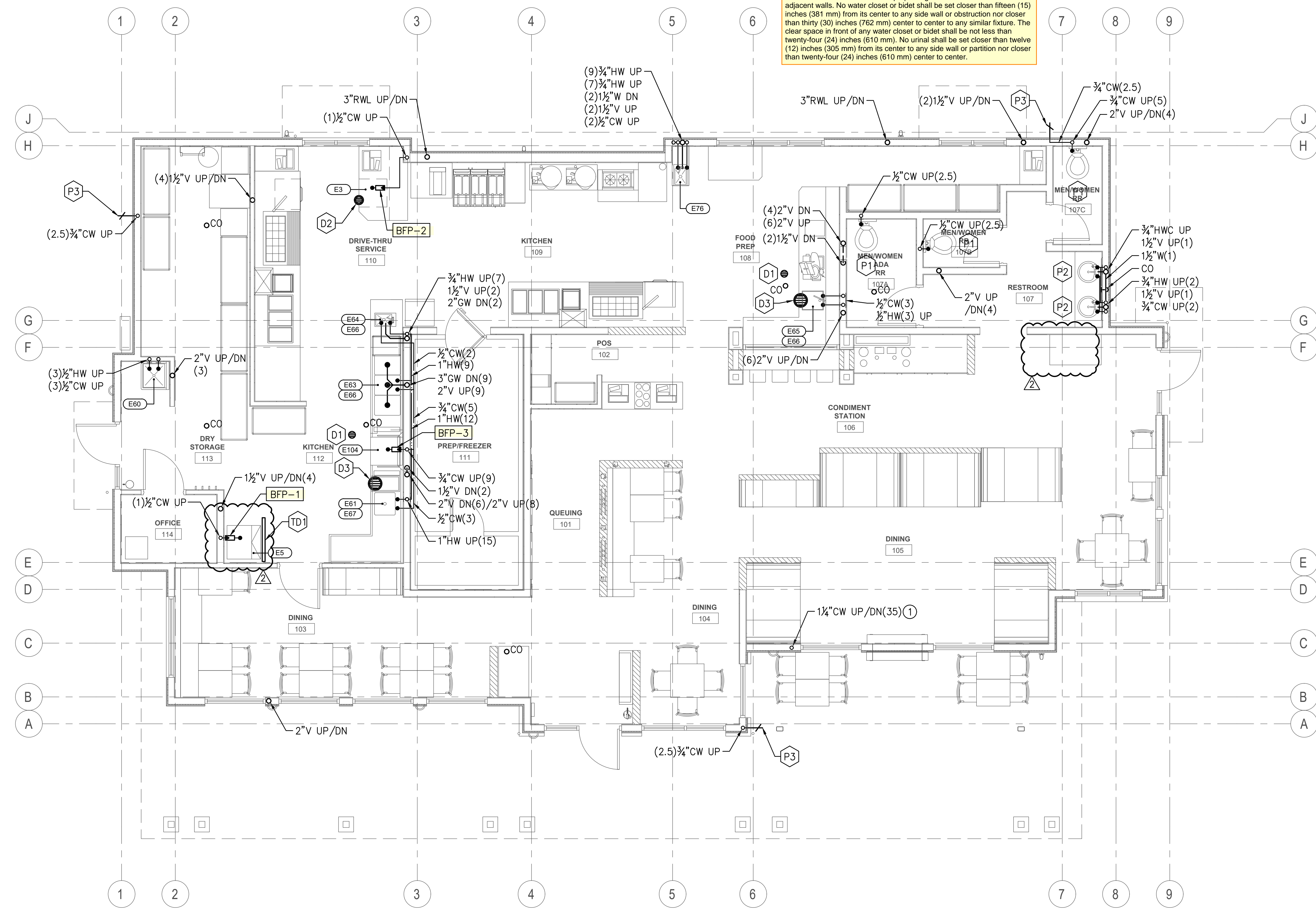
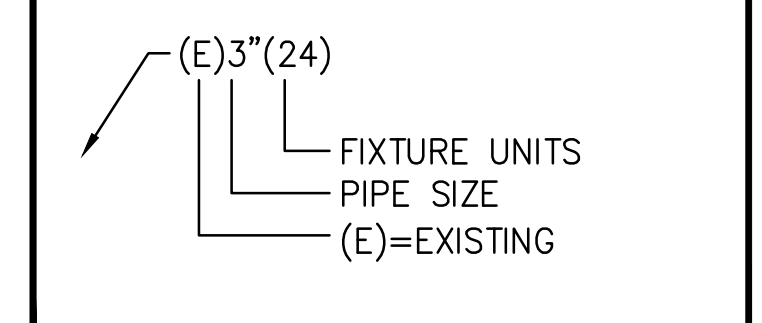
PLAN NOTES:

- 1. PROVIDE INDIRECT DRAINS AS SCHEDULED ON ARCHITECTURAL EQUIPMENT PLANS AND AS REQUIRED BY THE UPC. FOR CLARITY OF PLANS, INDIRECT DRAINS ARE NOT SHOWN ON PLUMBING PLANS.
- 2. PROVIDE ALL PLUMBING CONNECTIONS TO FIXTURES AND EQUIPMENT AS SCHEDULED BY THE ARCHITECTURAL EQUIPMENT PLANS.

KEY NOTES:

- ① PROVIDE WATER SHUT-OFF VALVE 24" AFF WITH AN ACCESS DOOR.

LEGEND:



PLUMBING FLOOR PLAN  
1/4" = 1'-0"

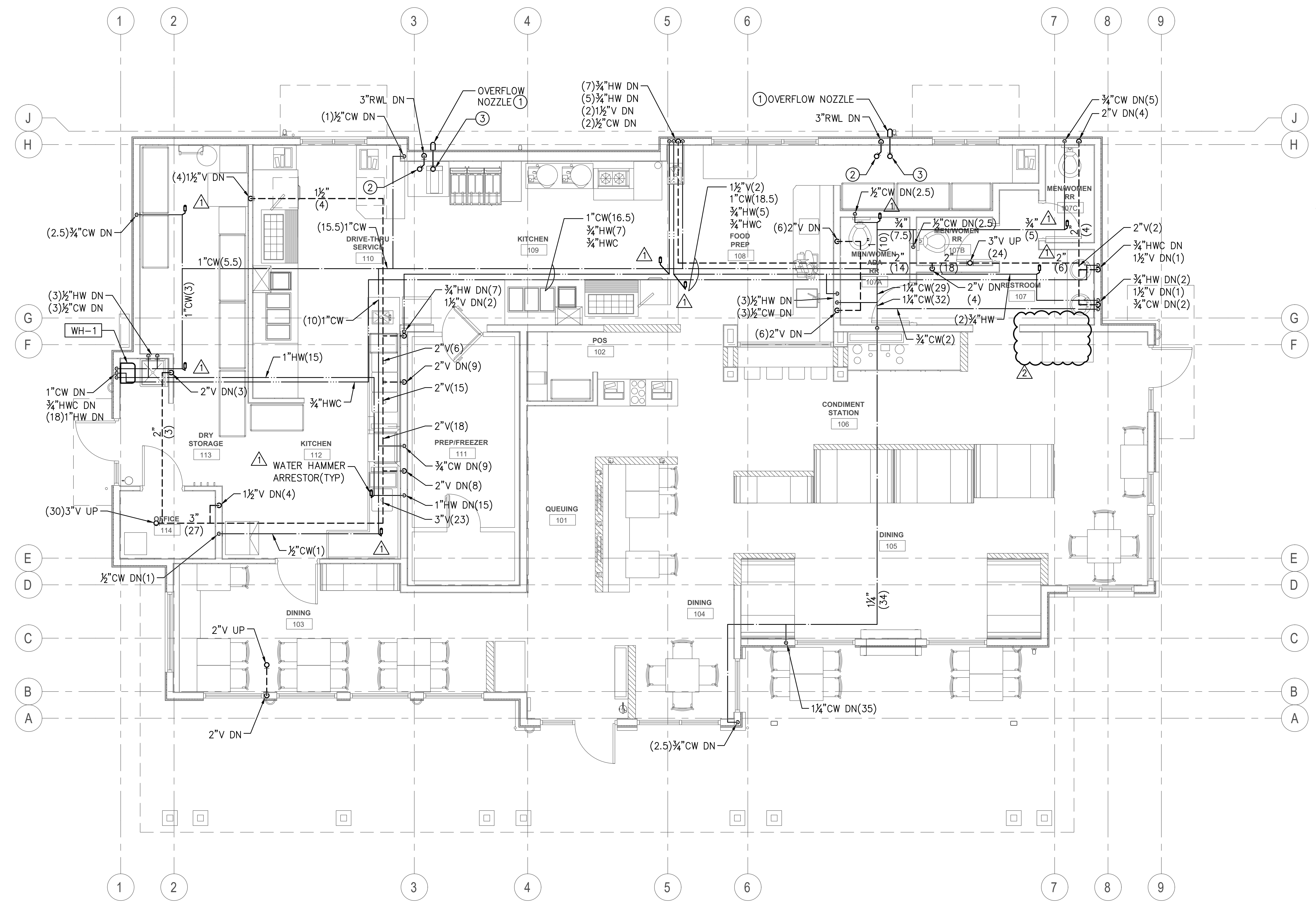
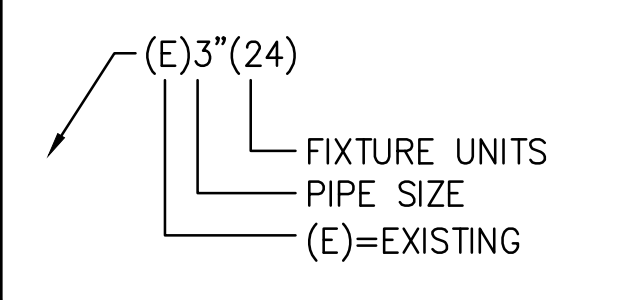
PLAN NOTES:

1. PROVIDE INDIRECT DRAINS AS SCHEDULED ON ARCHITECTURAL EQUIPMENT PLANS AND AS REQUIRED BY THE UPC. FOR CLARITY OF PLANS, INDIRECT DRAINS ARE NOT SHOWN ON PLUMBING PLANS.
2. PROVIDE ALL PLUMBING CONNECTIONS TO FIXTURES AND EQUIPMENT AS SCHEDULED BY THE ARCHITECTURAL EQUIPMENT PLANS.

KEY NOTES:

- ① OVERFLOW NOZZLE: JR SMITH #1770 OR APPROVED EQUAL.
- ② 3"RWL UP TO RD1.
- ③ 3"RWL UP TO RD2.

LEGEND:



PLUMBING CEILING PLAN  
1/4" = 1'-0"

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Building	Planning
Engineering	Public Works
Fire	Traffic

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19110.00.00	

**PLAN NOTES:**

1. PROVIDE ALL GAS PIPING CONNECTIONS TO FIXTURES AND EQUIPMENT AS SCHEDULED BY THE ARCHITECTURAL EQUIPMENT PLANS, MECHANICAL PLANS, AND PLUMBING PLANS.
2. REFER TO DETAIL 1 ON SHEET P-8 FOR GAS PIPING CONNECTIONS TO EQUIPMENT.

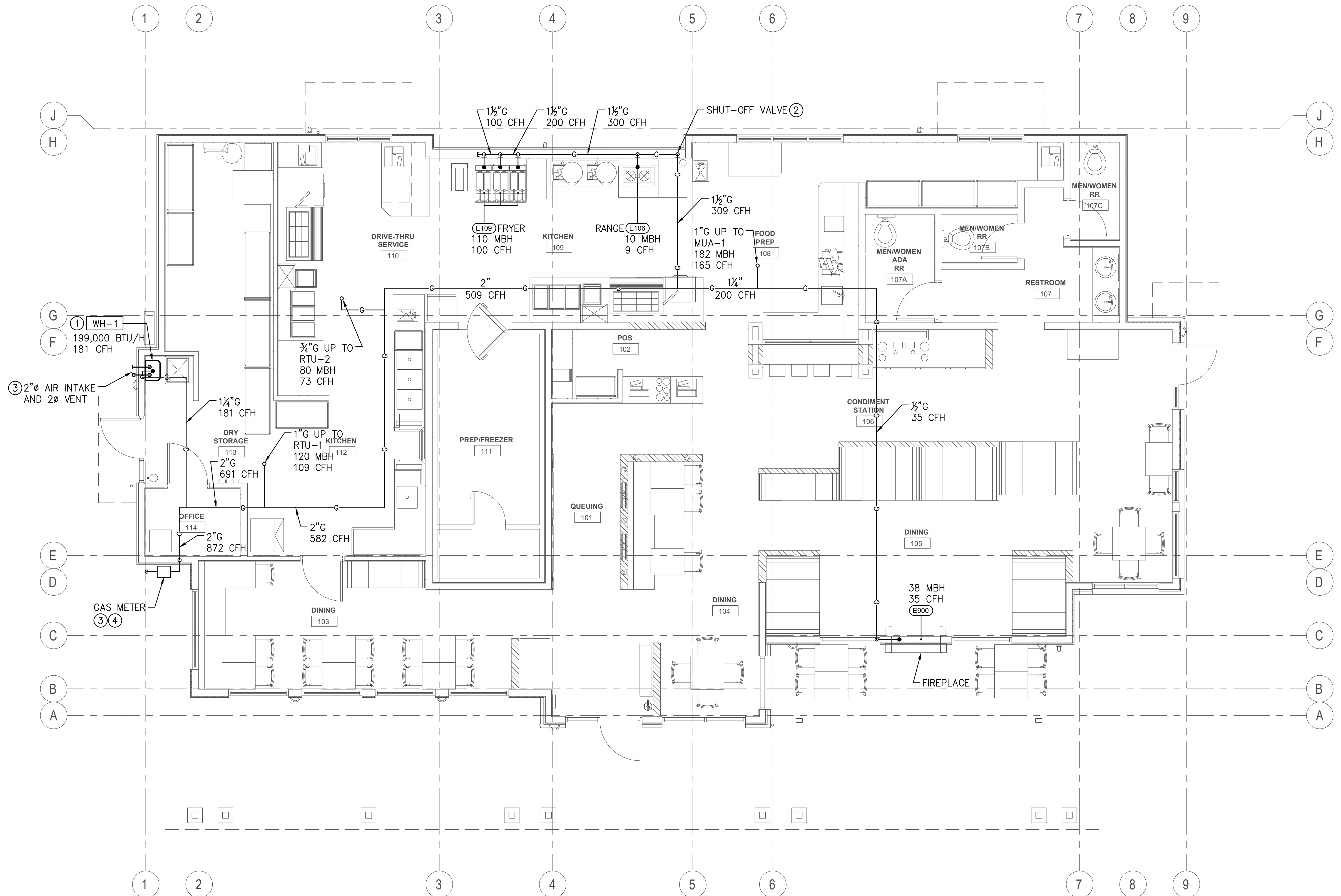
**KEY NOTES:**

1. INSTALL WATER HEATER VENT AND AIR INTAKE IN ACCORDANCE WITH WATER HEATER MANUFACTURER'S INSTALLATION MANUAL.
2. PROVIDE EMERGENCY SHUT-OFF GAS VALVE FOR COOKING LINE; PROVIDED BY CAPTIVE-AIRE AND INSTALLED BY PLUMBING CONTRACTOR. ROUTE GAS PIPING BEHIND APPLIANCES WITHIN WALL AND CONNECT.
3. GAS METER BY PUGET SOUND ENERGY. GENERAL CONTRACTOR SHALL COORDINATE GAS SERVICE WITH UTILITY.
4. PROVIDE SEISMIC SHUT-OFF VALVE JUST DOWNSTREAM OF GAS METER IN 2-INCH LINE.

**BASIS OF DESIGN:**

- BASIS OF DESIGN:
- LOW PRESSURE GAS: 125 LF FROM METER TO REMOTE APPLIANCE. IFGC TABLE 402.4(2).
  - LONGEST METHOD SIZING USED.

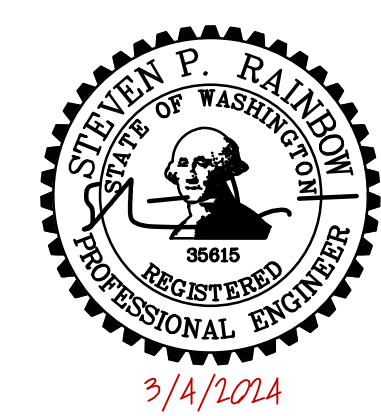
Schedule 40 Metallic Pipe per Table 402.4(2)



GAS PIPING FLOOR PLAN  
1/4" = 1'-0"

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



PROJECT:  
NEW CONSTRUCTION  
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EAST MAIN STREET  
PUYALLUP, WA 98372

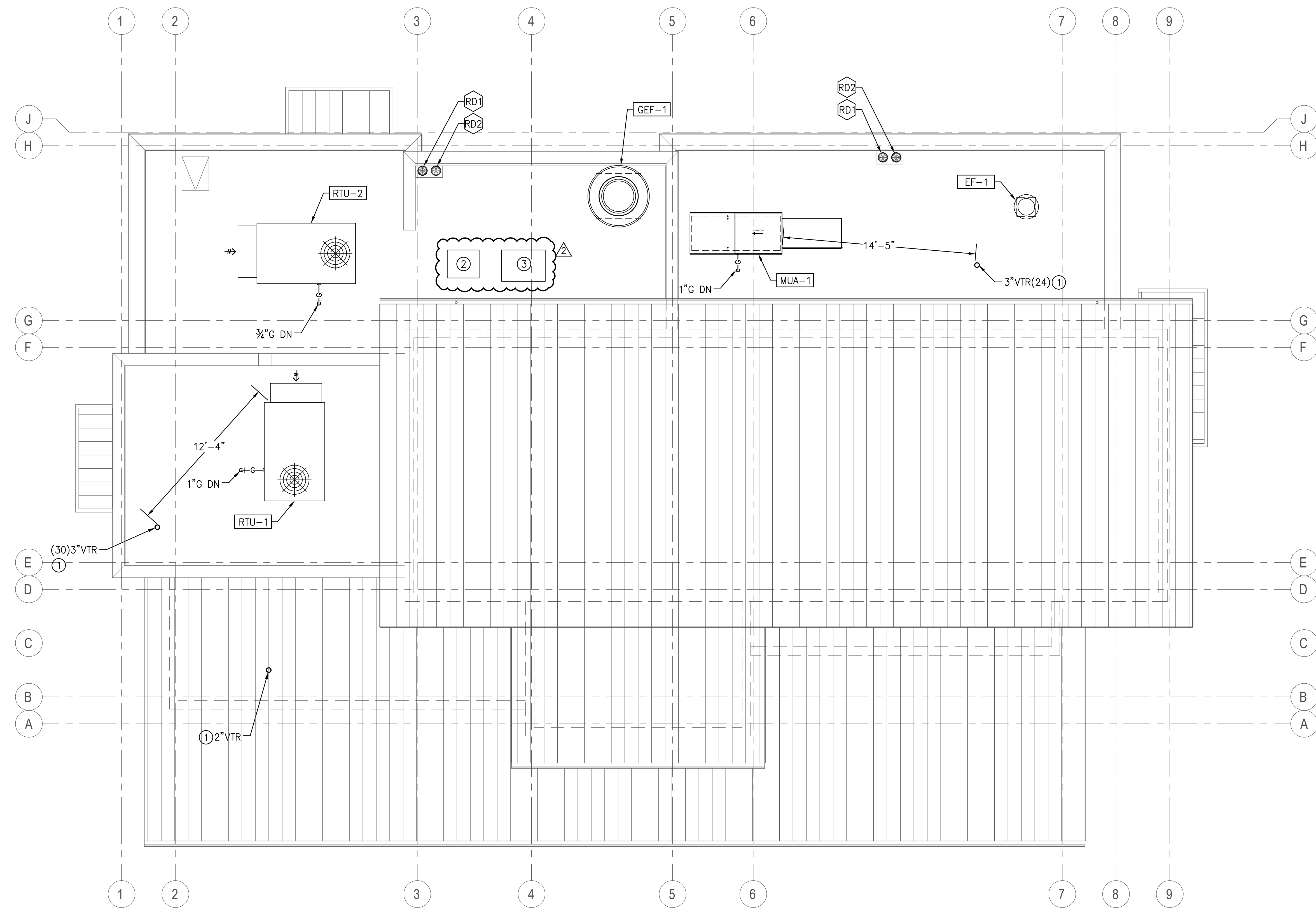
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ADDENDUM 02	03.04.24

DATE: 7.6.2023  
 RCSS NO: 19110.00.00  
 DRAWN BY:  
 REVIEWED BY:  
 SHEET TITLE: PLUMBING ROOF PLAN

**KEY NOTES:**  
 1. REFER TO DETAIL 1 ON SHEET P-8 FOR GAS PIPING CONNECTIONS TO EQUIPMENT.

**KEY NOTES:**  
 ① FOR PLUMBING VENT TERMINATION, REFER TO DETAIL 3 ON SHEET P-8. LOCATE AT LEAST 10-FT AWAY FROM ANY MECHANICAL AIR INTAKE.  
 ② FREEZER CONDENSING UNIT, 173 LBS. SHOWN FOR COORDINATION REFERENCE ONLY.  
 ③ COOLER CONDENSING UNIT, 230 LBS. SHOWN FOR COORDINATION REFERENCE ONLY.

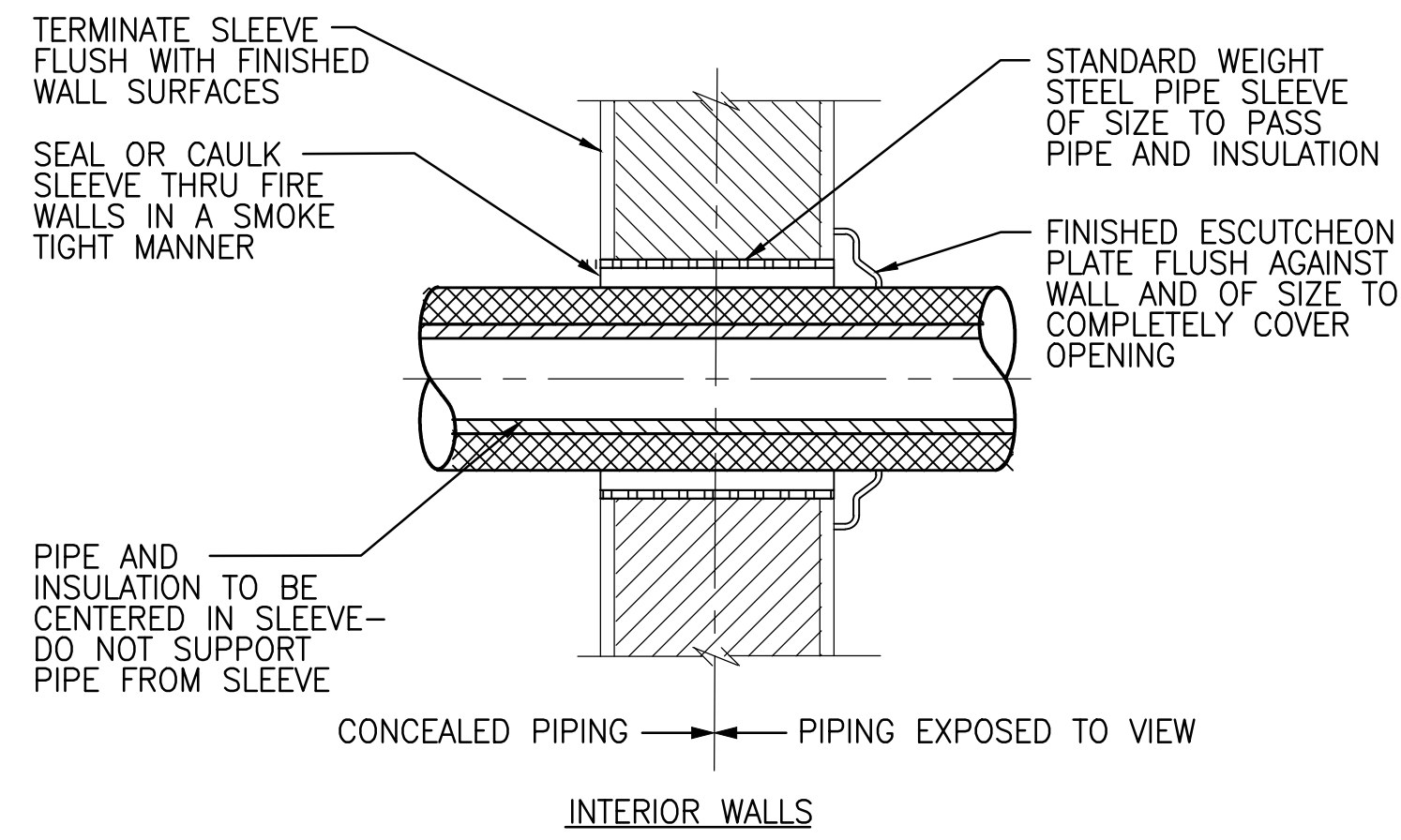
**LEGEND:**  
 (E)3"(24)  
 ———— FIXTURE UNITS  
 ———— PIPE SIZE  
 (E)=EXISTING



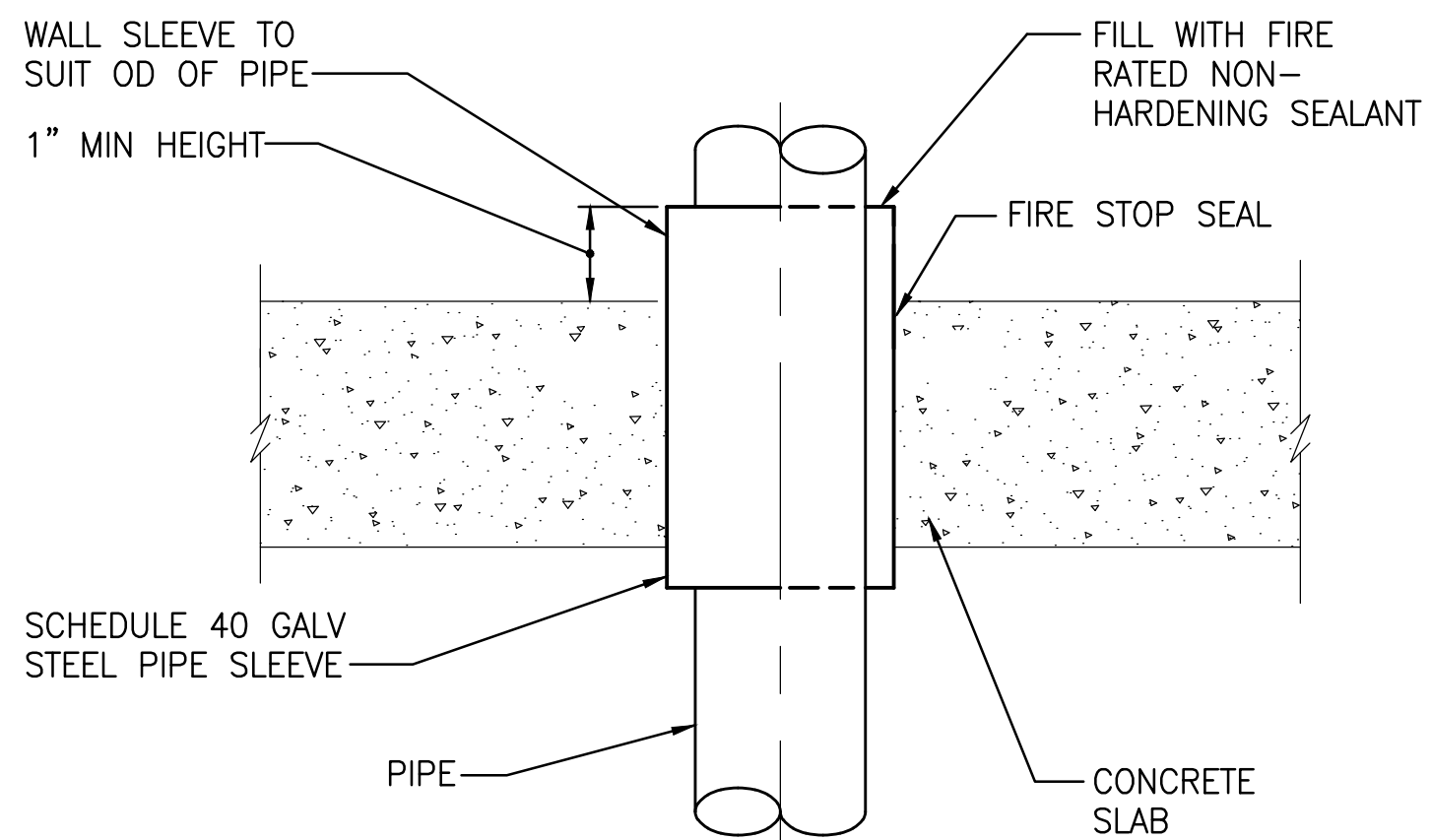
PLUMBING ROOF PLAN  
 1/4" = 1'-0"

City of Puyallup  
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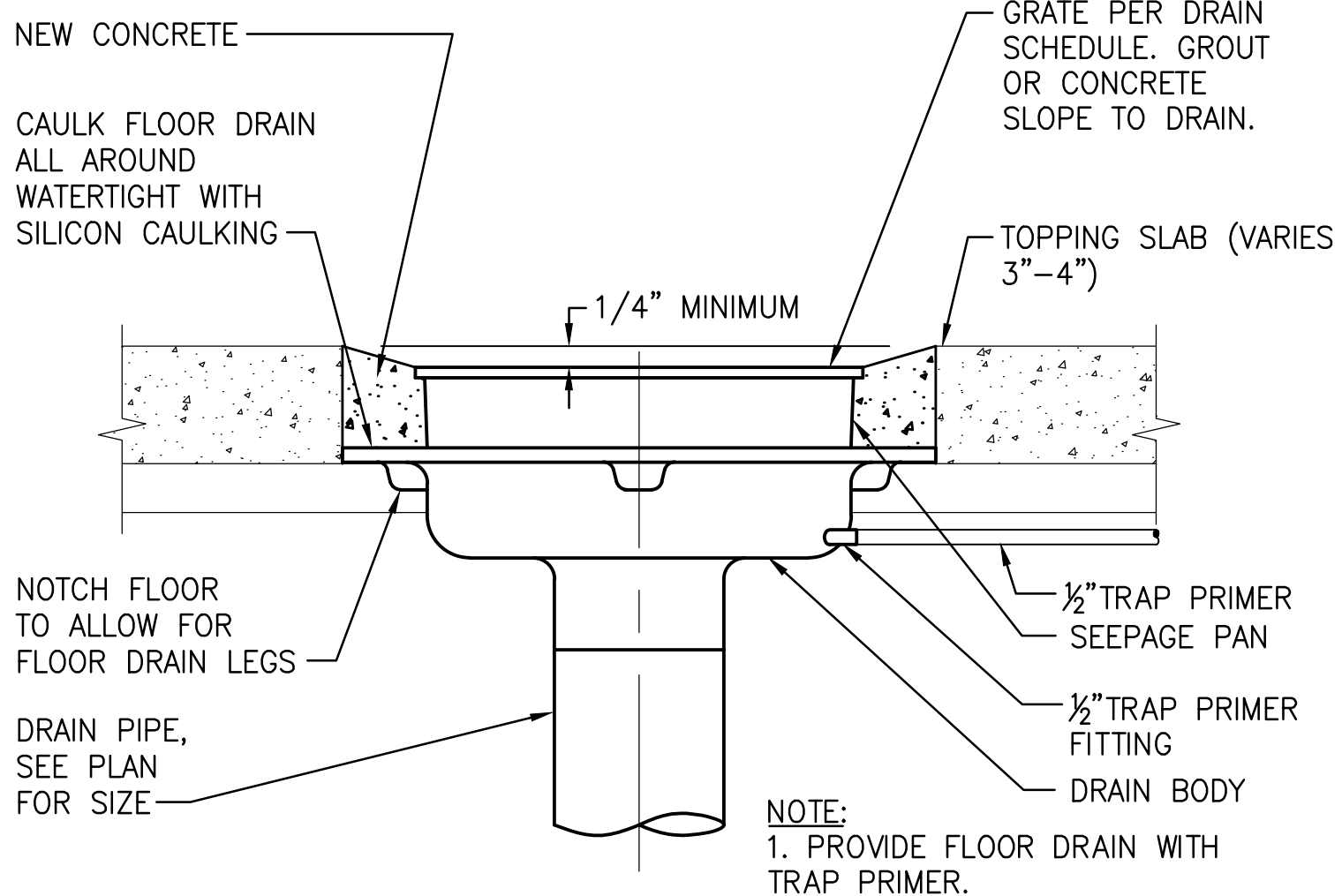
Building	Planning
Engineering	Public Works
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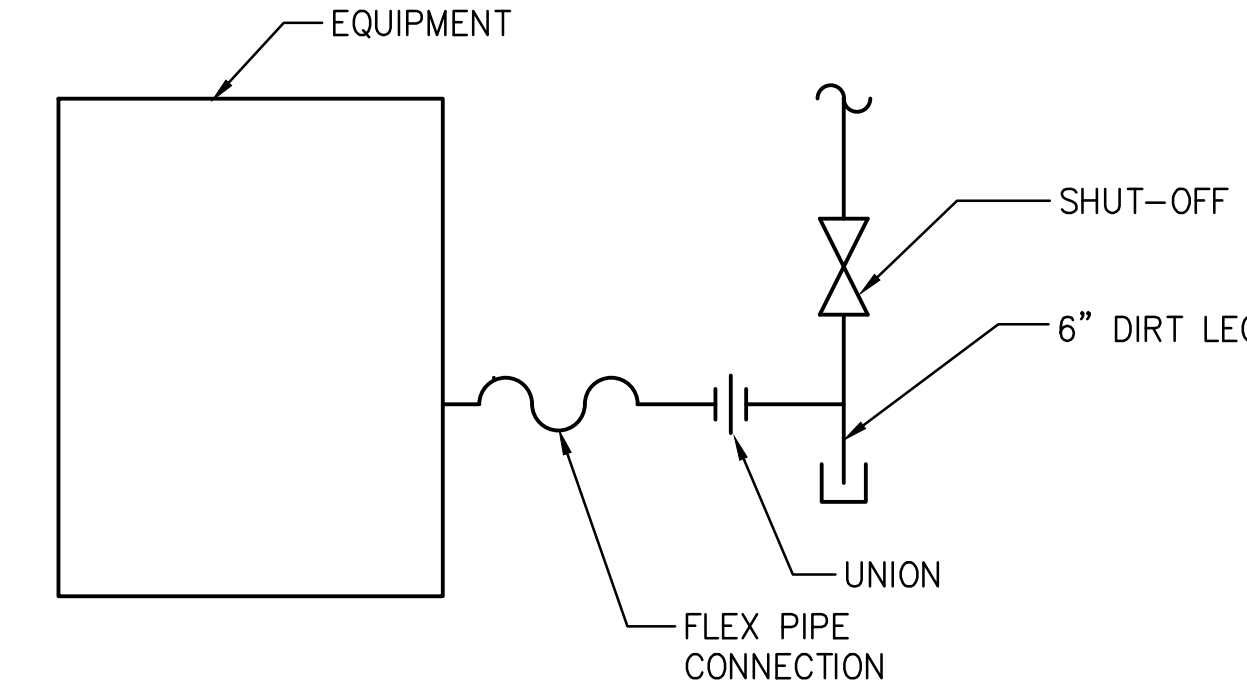
**PIPE SLEEVES THROUGH WALLS**  
SCALE: NONE 7



**FLOOR SLEEVE**  
SCALE: NONE 8

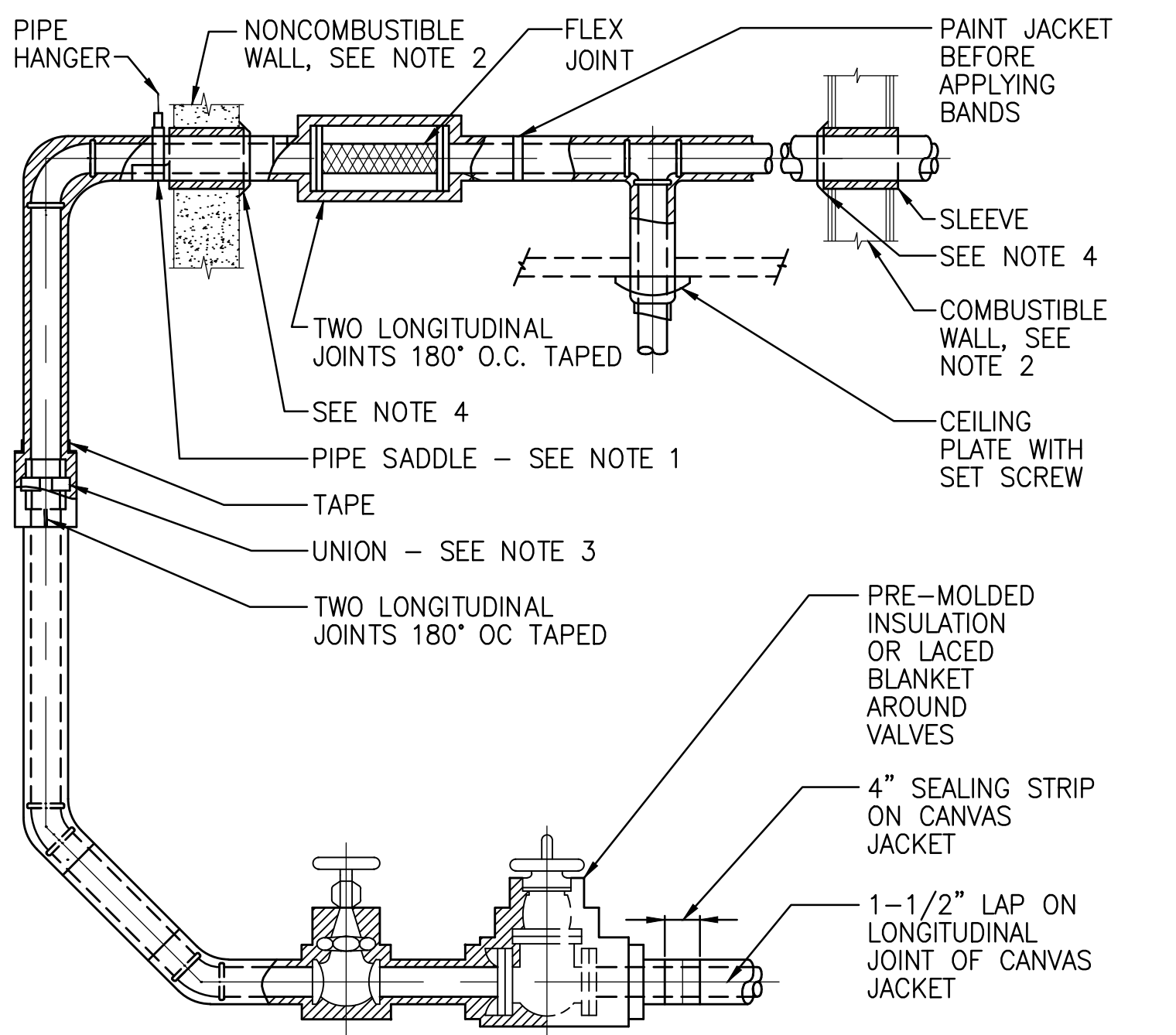


**FLOOR DRAIN INSTALLATION**  
SCALE: NONE 4



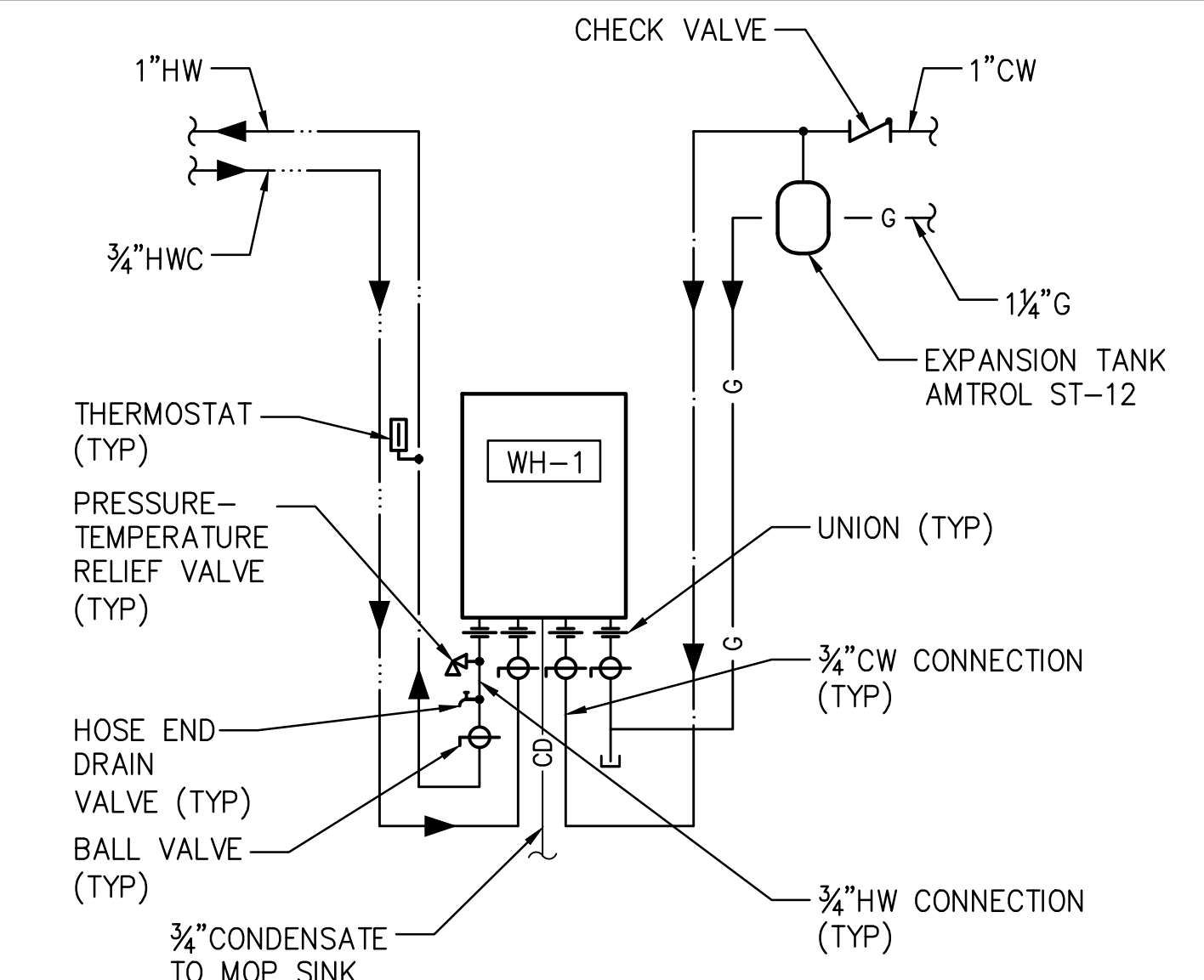
**NOTES:**  
1. COMMERCIAL COOKING APPLIANCES INSTALLED ON CASTERS AND APPLIANCES THAT ARE MOVED FOR CLEANING AND SANITATION PURPOSES SHALL BE CONNECTED TO THE PIPING SYSTEM WITH AN APPLIANCE CONNECTOR LISTED AS COMPLYING WITH ANSI Z21.69/CSA 6.16. THE COMMERCIAL COOKING APPLIANCE CONNECTOR INSTALLATION SHALL BE CONFIGURED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. MOVEMENT OF APPLIANCES WITH CASTERS SHALL BE LIMITED BY A RESTRAINING DEVICE INSTALLED IN ACCORDANCE WITH THE CONNECTOR AND APPLIANCE MANUFACTURER'S INSTRUCTIONS.

**NATURAL GAS CONNECTION**  
SCALE: NONE 1



**NOTES:**  
1. PIPE SADDLES REQUIRED ON ALL INSULATED LINES AT HANGERS.  
2. INSULATION SHOULD BE CONTINUOUS THRU WALL WITH A 1/4\"/>

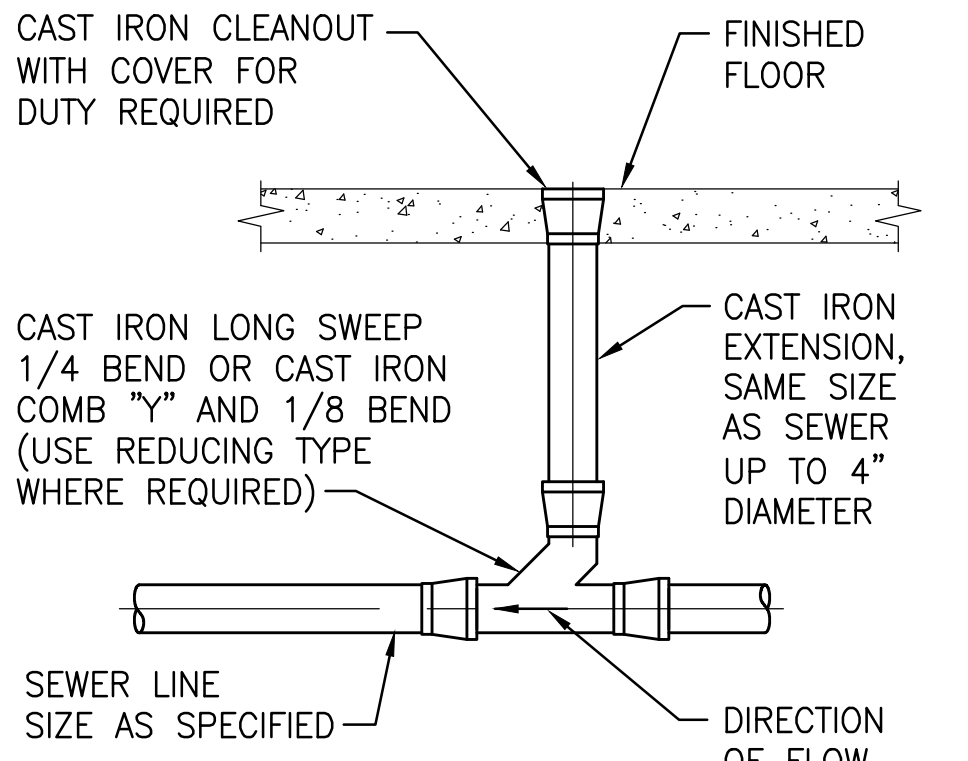
**PIPE INSULATION**  
SCALE: NONE 5



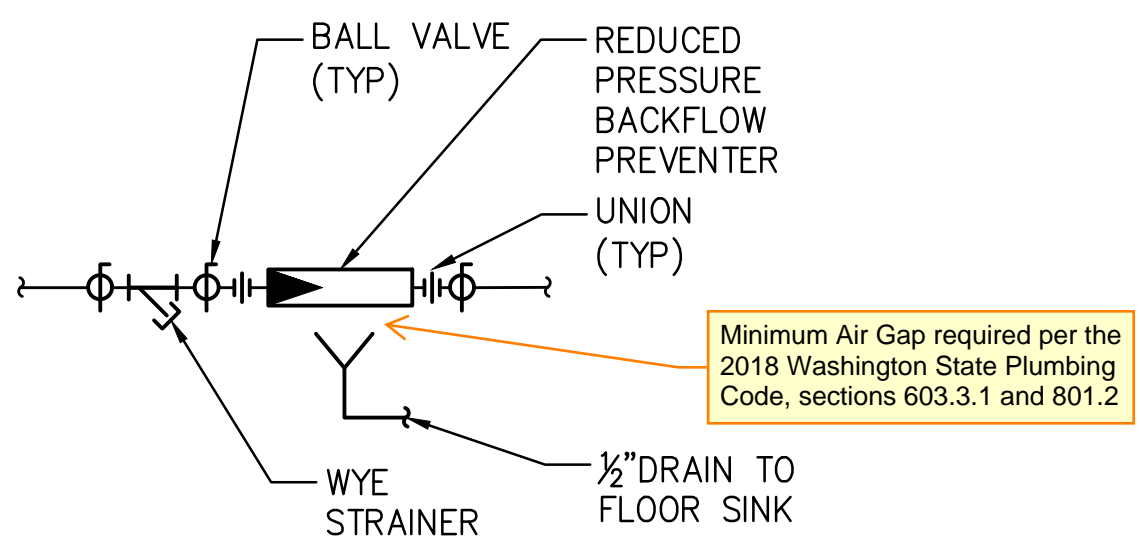
**WATER HEATER PIPING**  
SCALE: NONE 2

[2018 Washington State Mechanical Code, section 707.9] Clearance (Under-floor)  
Cleanouts in under-floor piping shall be extended to or above the finished floor or shall be extended outside the building where there is less than 18 inches (457 mm) vertical overall, allowing for obstructions such as ducts, beams, and piping, and 30 inches of (762 mm) horizontal clearance from the means of access to such cleanout. No under-floor cleanout shall be located exceeding 20 feet (1,524 mm) from an access door, trap door, or crawl hole.

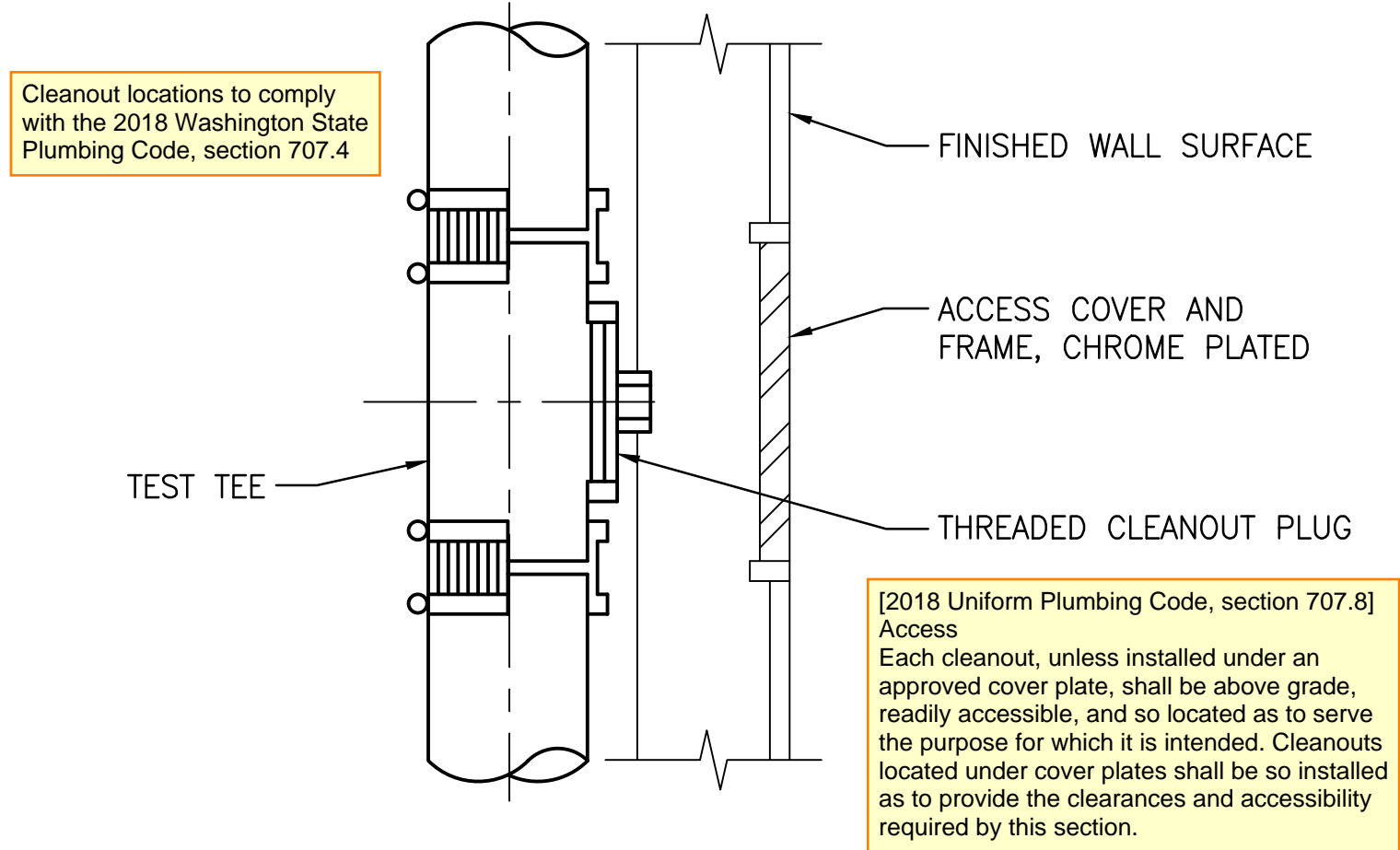
Cleanout locations to comply with the 2018 Washington State Plumbing Code, section 707.4



**FLOOR CLEANOUTS**  
SCALE: NONE 9

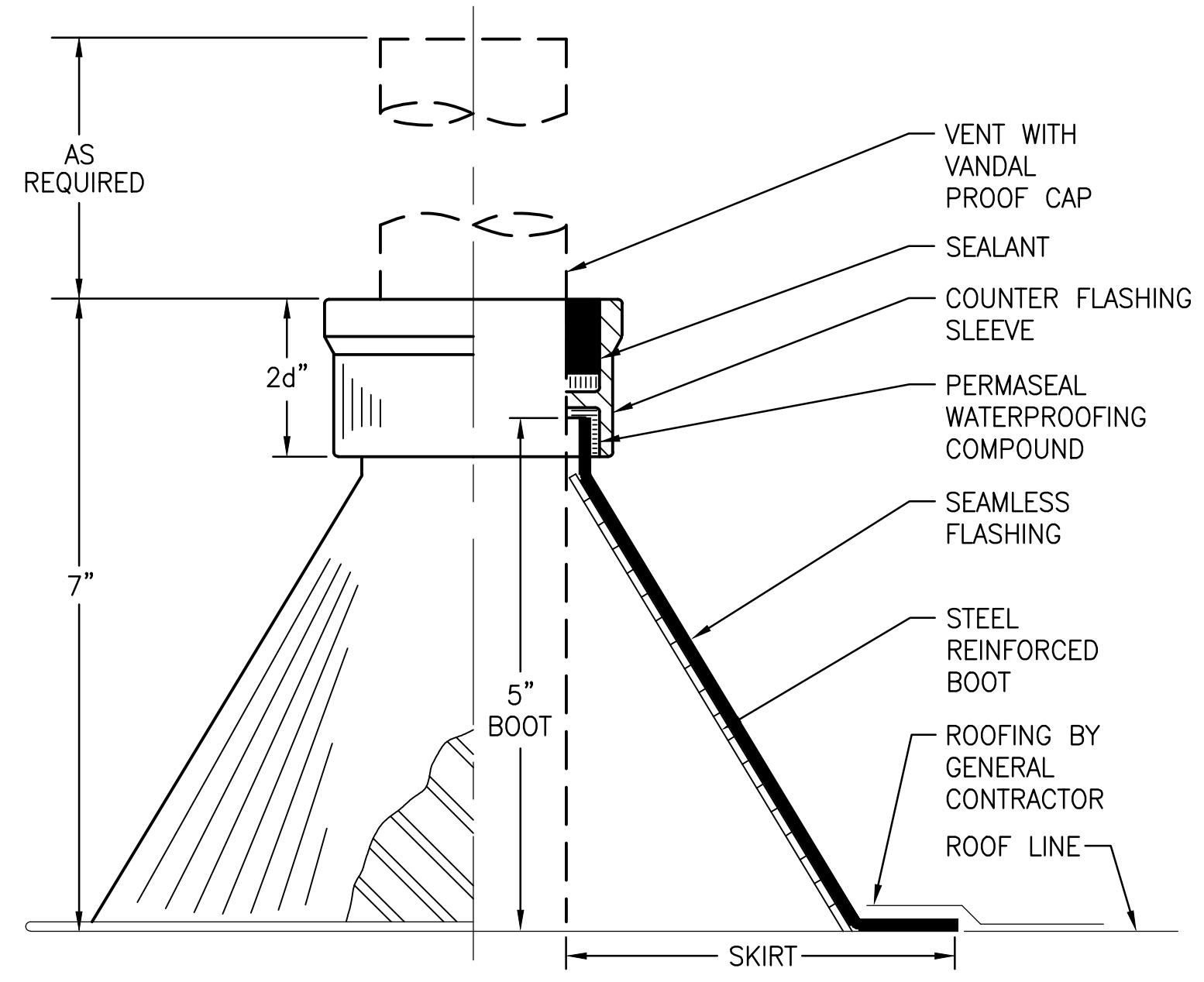


**BFP INSTALLATION FOR KITCHEN APPLIANCE**  
SCALE: NONE 10



[2018 Uniform Plumbing Code, section 707.8] Access  
Each cleanout, unless installed under an approved cover plate, shall be above grade, readily accessible, and so located as to serve the purpose for which it is intended. Cleanouts located under cover plates shall be so installed as to provide the clearances and accessibility required by this section.

**WALL CLEANOUTS**  
SCALE: NONE 6



**VENT THROUGH ROOF**  
SCALE: NONE 3

**City of Puyallup**  
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Seattle, WA 98107  
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rainbowconsulting-me.com

**STEVEN P. RAINBOW**  
STATE OF WASHINGTON  
PROFESSIONAL ENGINEER  
55615  
01/06/2023

PROJECT:  
NEW CONSTRUCTION  
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EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS

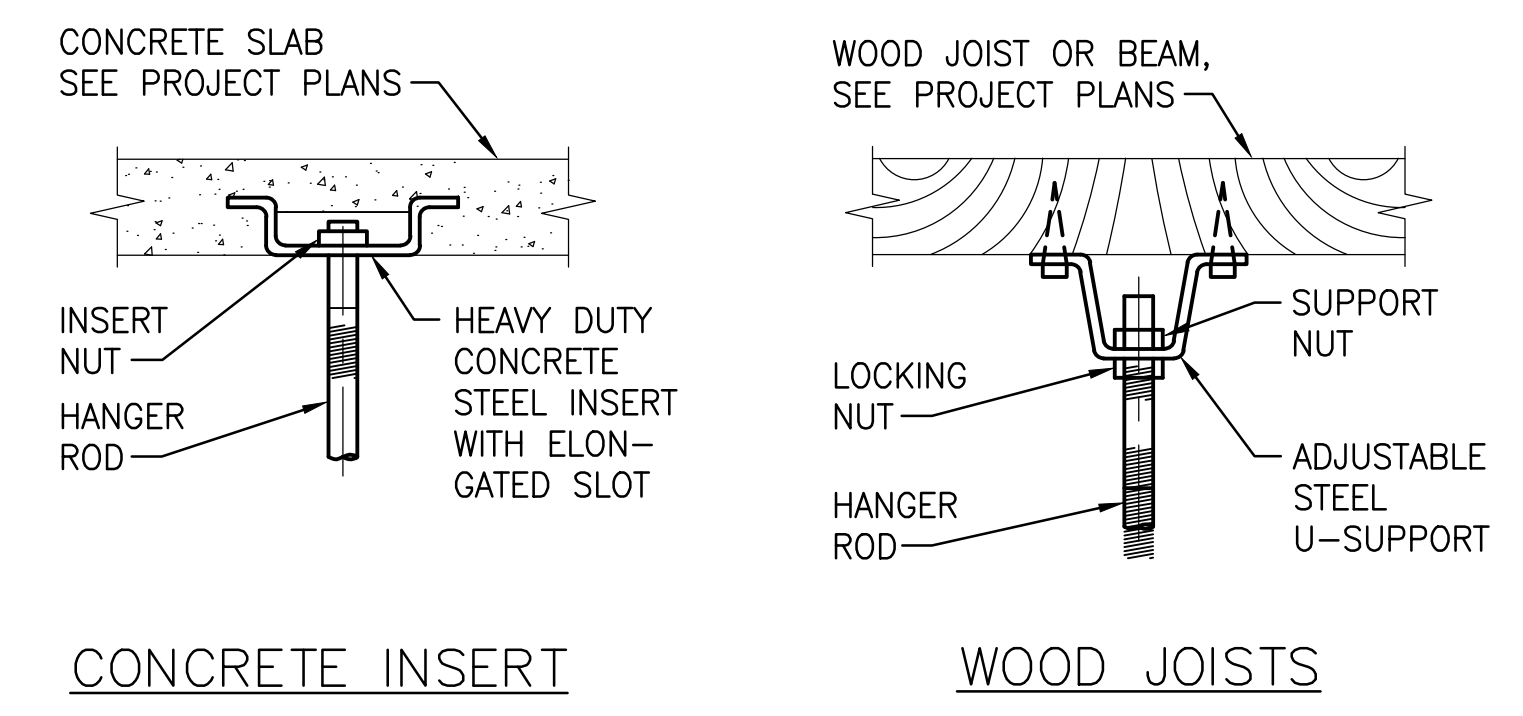
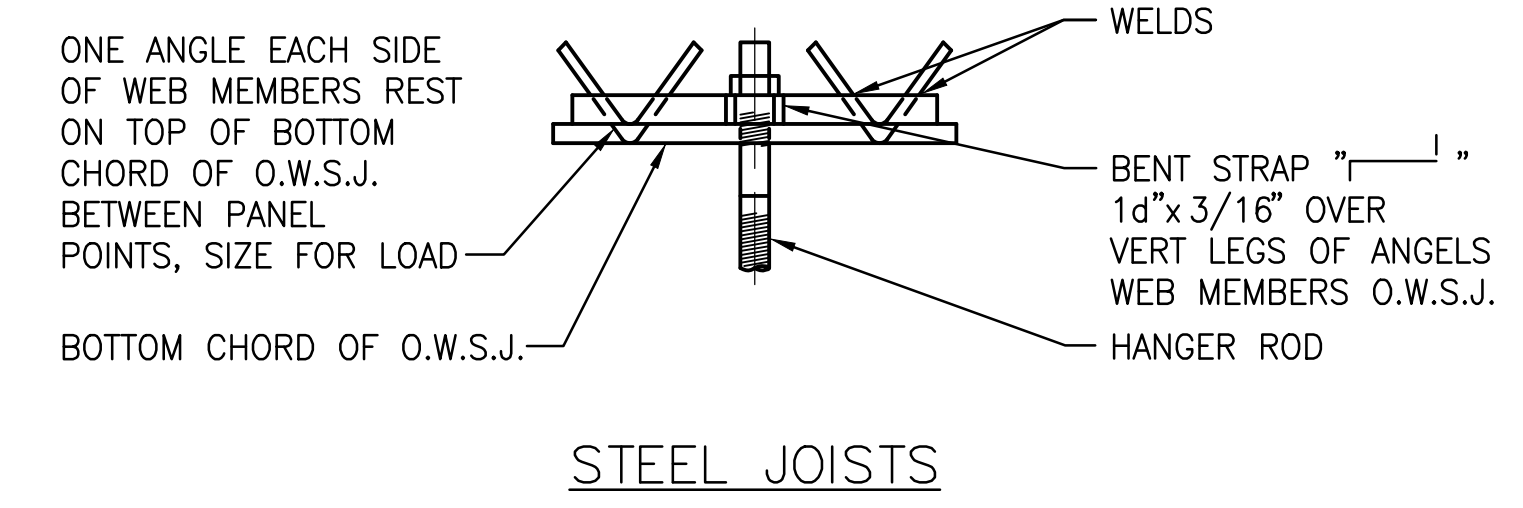
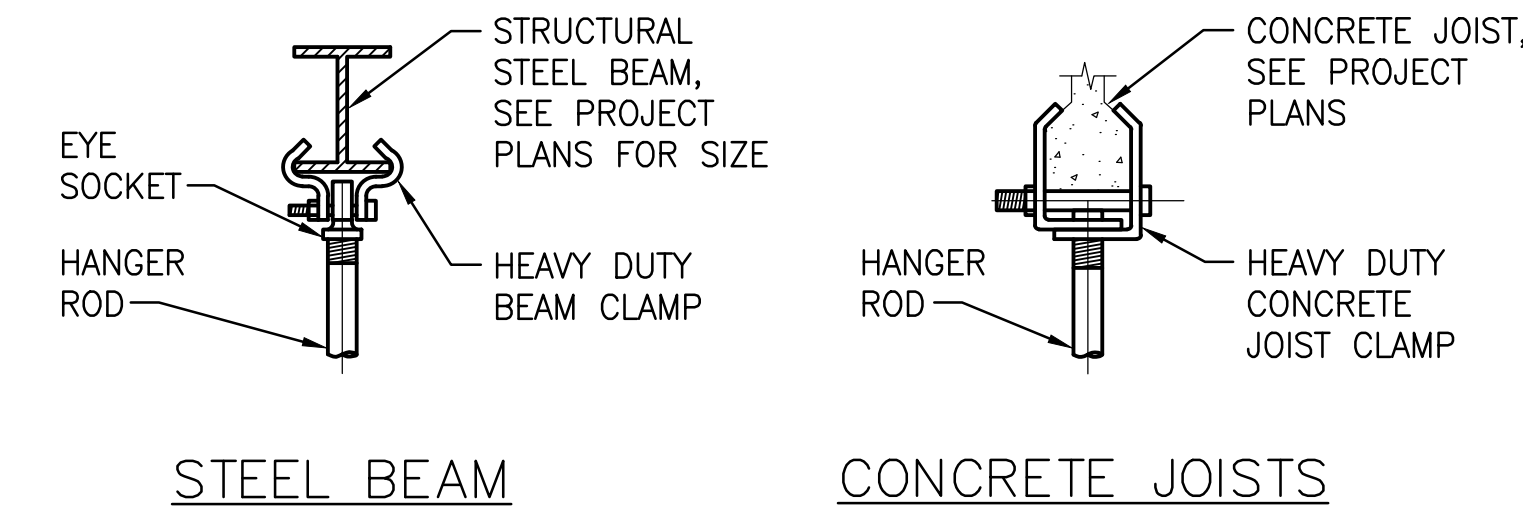
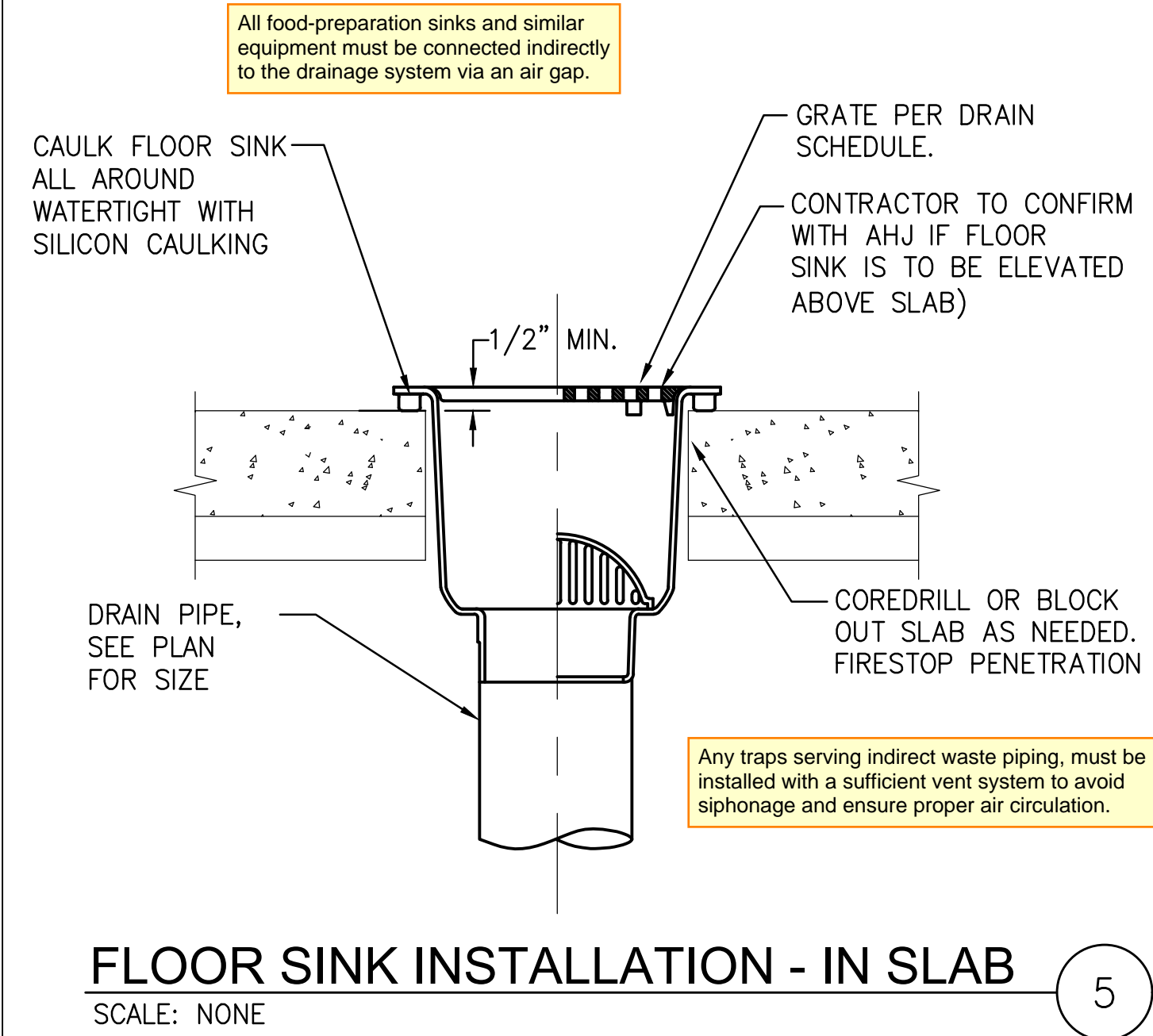
NO.	DATE	DESCRIPTION

DATE: 7.6.2023  
RCS# NO: 19110.00.00  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: DETAILS

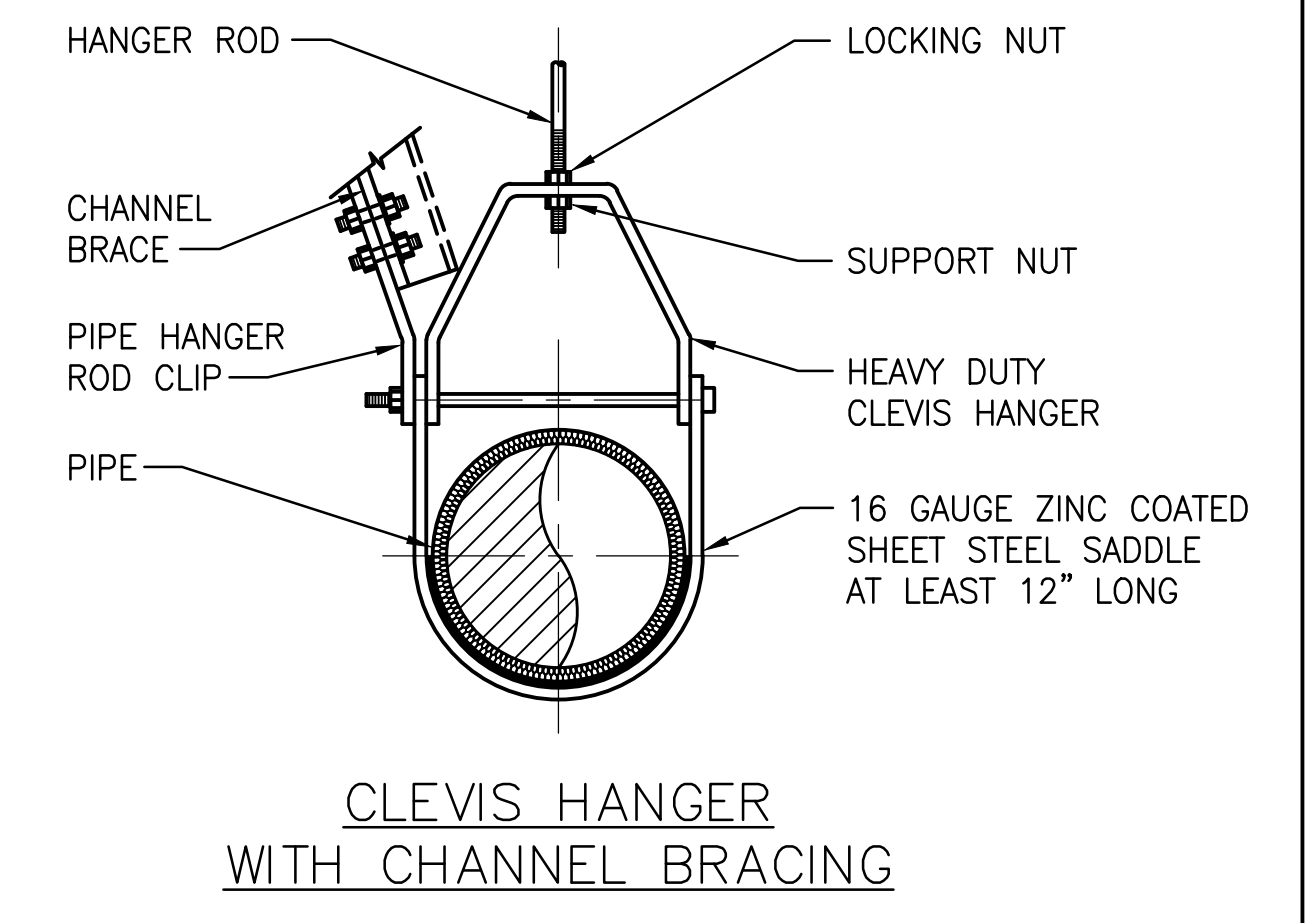
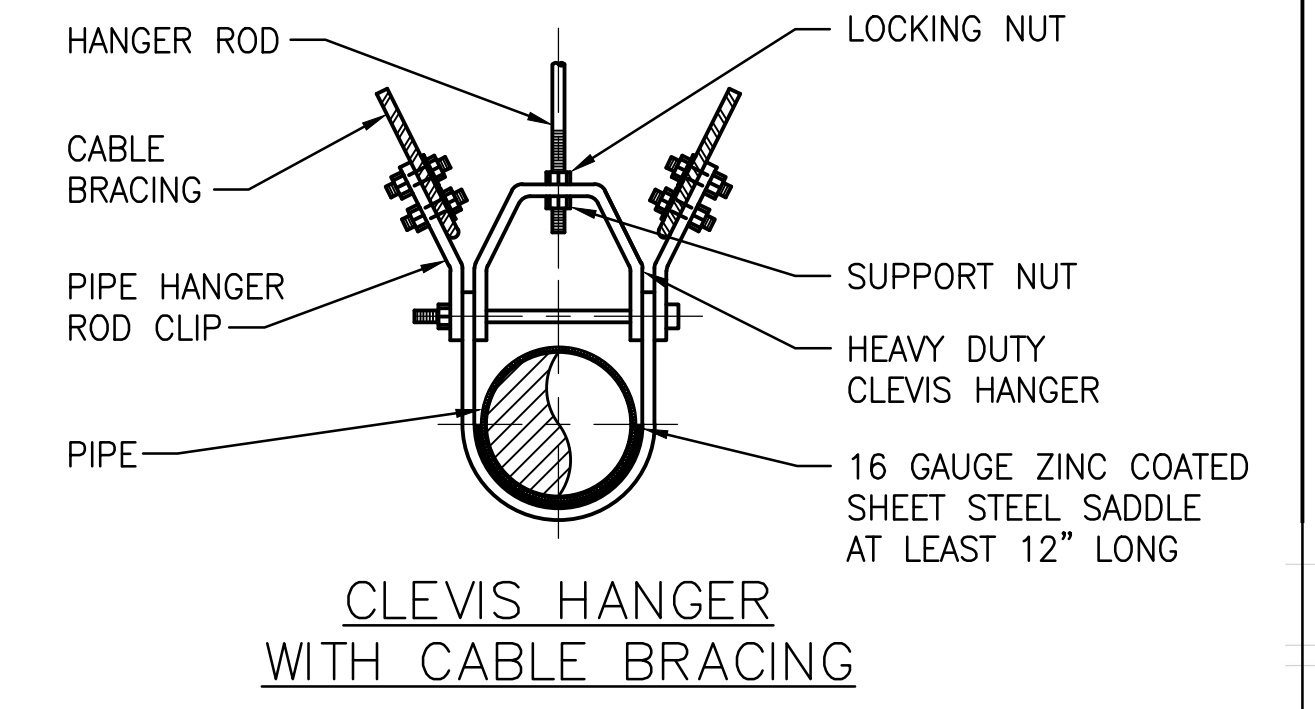
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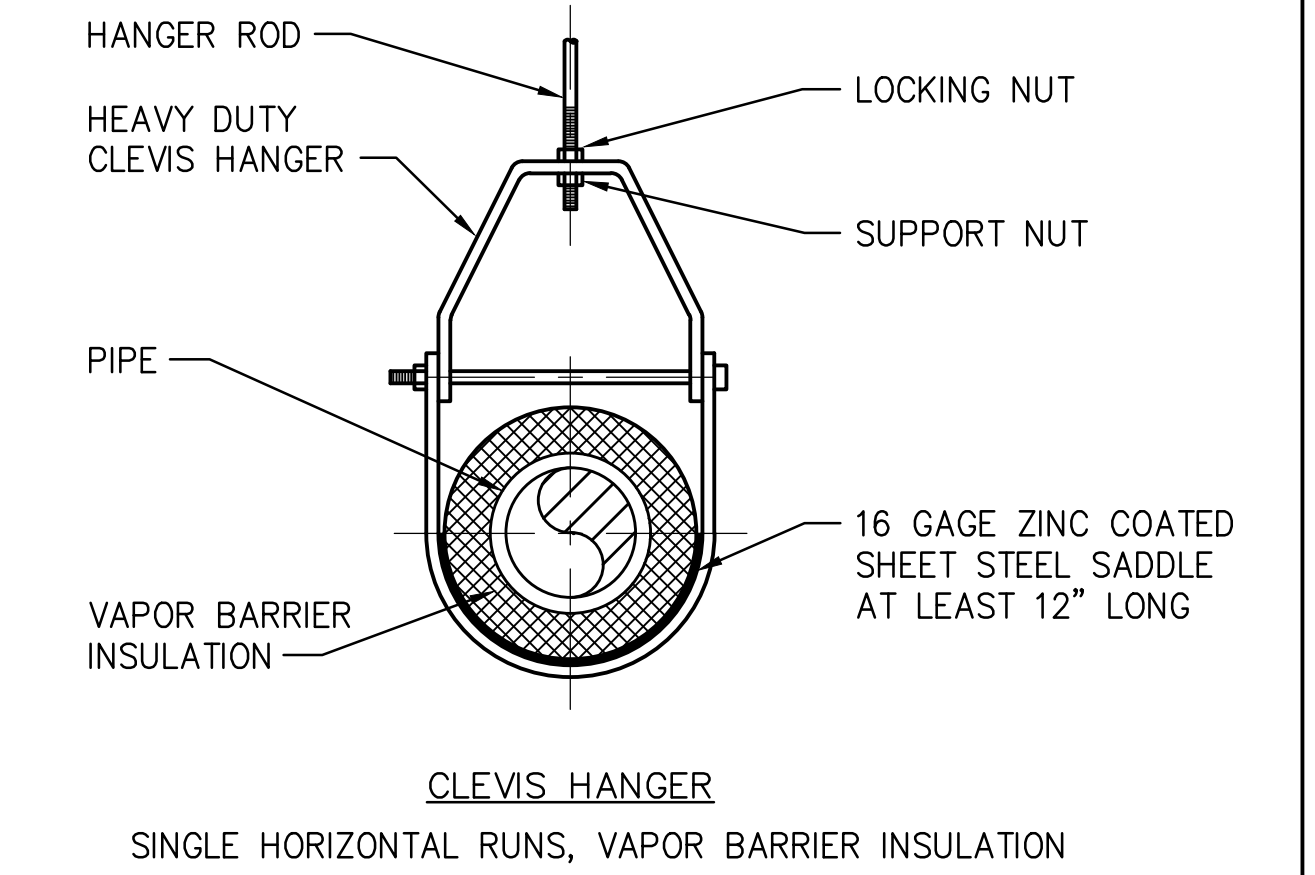
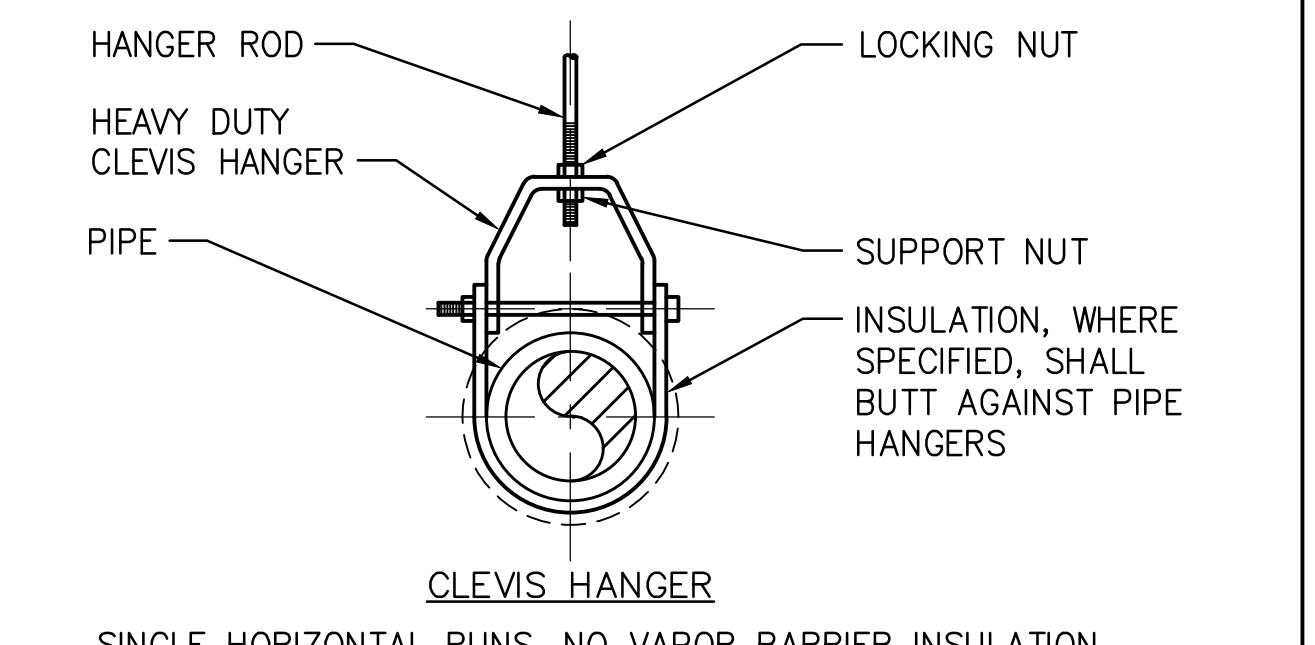
Building	Planning
Engineering	Public Works
Fire	Traffic



**HANGER ATTACHMENT TO STRUCTURE**  
SCALE: NONE



**SEISMIC PIPE SUPPORTS**  
SCALE: NONE



**PIPE SUPPORTS**  
SCALE: NONE

**DOMESTIC WATER FIXTURE COUNT**

Fixture	Count	FU	Total FU
water closet tank	3	2.5	7.5
lavatory	2	1	2
mop sink	1	3	3
hand sink	2	2	4
pre-rinse faucet	1	3	3
3-compartment sink	1	3	3
prep sink	1	3	3
dishwasher	1	3	3
first hose bibb	1	2.5	2.5
additional hose bibb	2	1	2
miscellaneous	2	1	2
<b>TOTAL</b>			<b>35</b>

**SANITARY WASTE FIXTURE COUNT**

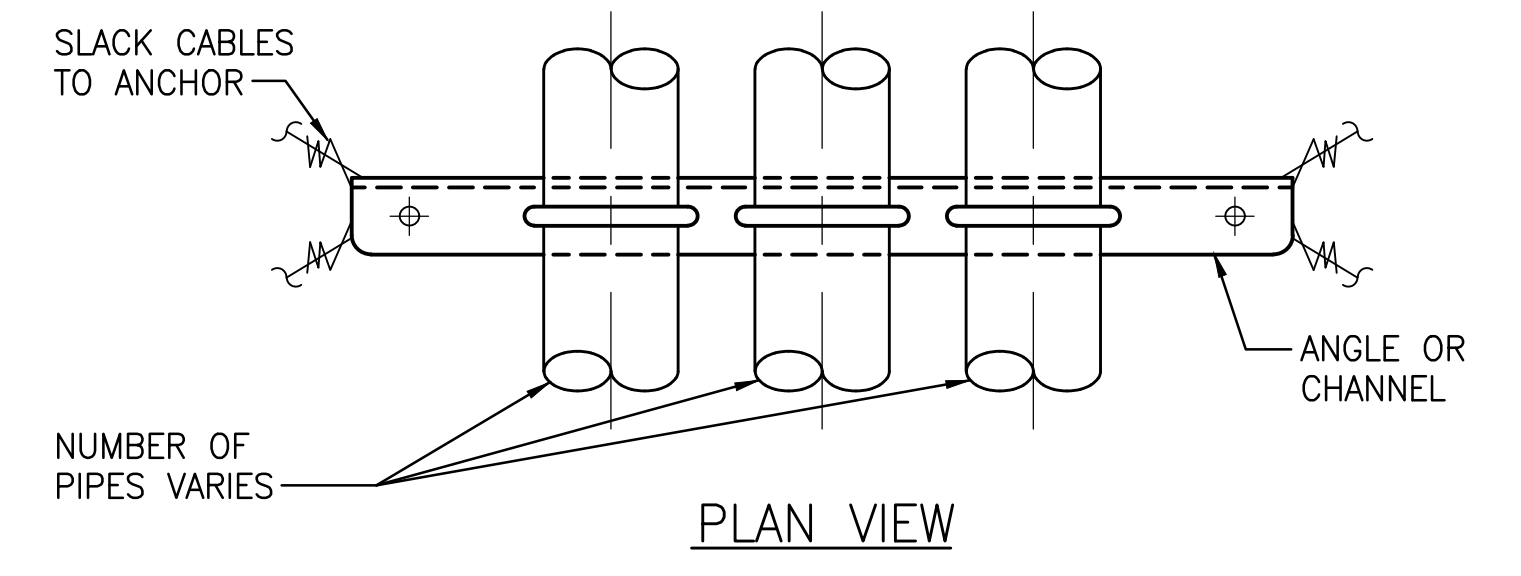
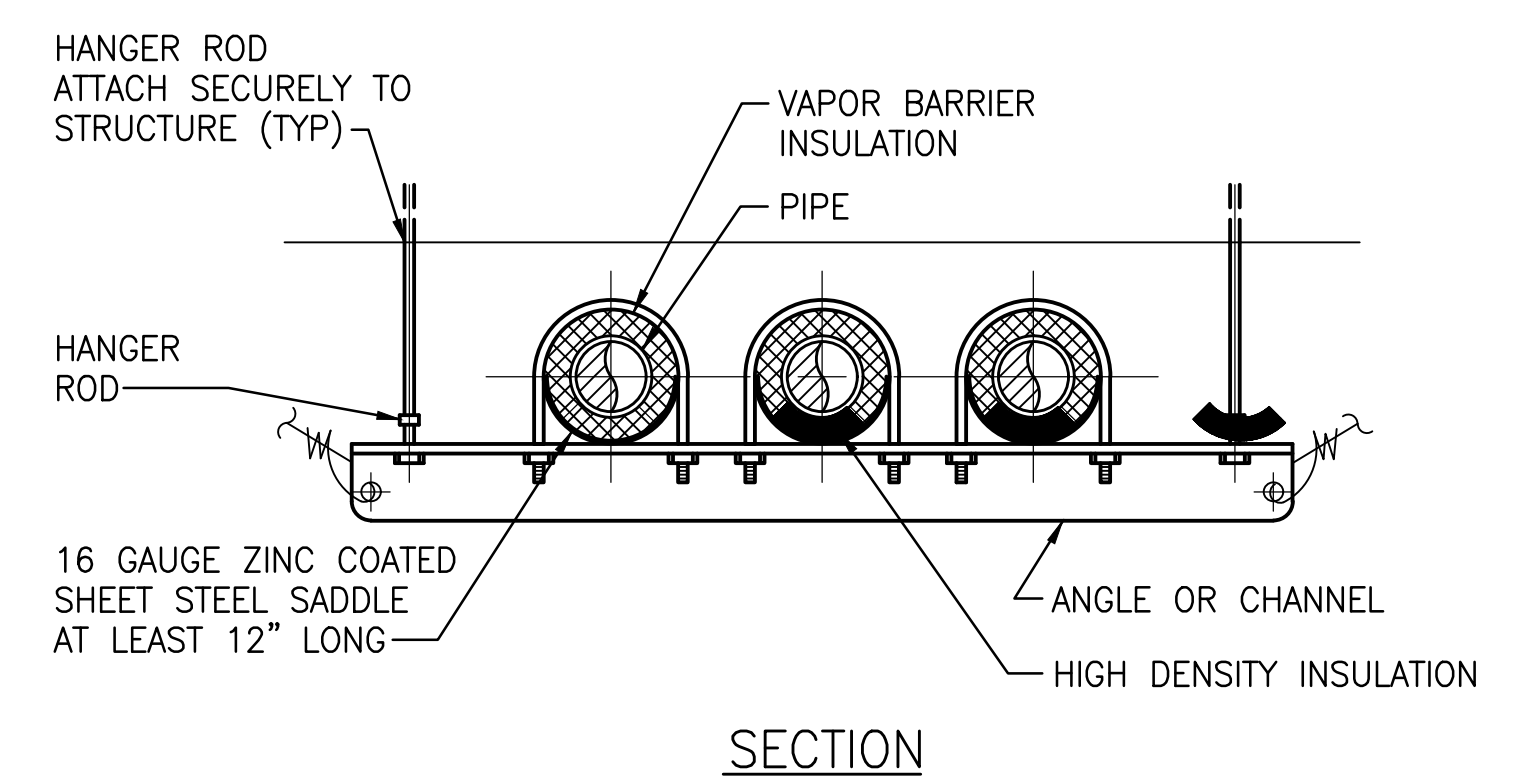
Fixture	Count	DFU	Total DFU
water closet (public)	3	4	12
lavatory	2	1	2
<b>TOTAL</b>			<b>14</b>

**GREASE INTERCEPTOR SIZING**

Gravity Grease Interceptor Sizing

Fixture	Count	DFU	DFU
Mop Sink	1	3	3
Hand Sink	2	2	4
Three Comp	1	9	9
2" Floor Sink	1	4	4
3" Floor Sink	2	6	12
2" Trench Drain	1	4	4
Floor Drain	2	2	4
<b>Total DFU</b>			<b>40</b>

Per Table 703.2, 4-inch Grease Waste Pipe Required.  
Per Table 1014.3.6, 1250 Gallon Interceptor Volume Required.



**TRAPEZE PIPE HANGER**  
SCALE: NONE

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03/04/2024



PROJECT:  
NEW CONSTRUCTION  
**TACO TIME**  
EAST MAIN STREET  
PUYALLUP, WA 98372

REVISIONS

NO.	DESCRIPTION	DATE
1	ADDENDUM 02	03.04.24

DATE: 7.6.2023  
RCS# NO: 19110.00.00  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: DETAILS  
FIXTURE UNIT COUNTS

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SHEET