

The applicant shall request a sediment

TACO TIME PUYALLUP 1115 EAST MAIN STREET PUYALLUR, WA 98372 PERMIT SET - 7.1.2022

CONSTRUCTION OF NEW TACO TIME WITH DRIVE THRU ON EXISTING SITE.

2018 INTERNATIONAL EXISTING BUILDING CODE W WAC AMMENDMENTS 2018 UNIFORM PLUMBING CODE

2018 INTERNATIONAL FEUL GAS CODE

2018 INTERNATIONAL ENGERGY CONSERVATION CODE W/ WAC AMMENDMENTS

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

2. INSTALL CONTINUOUS AIR BARRIER SYSTEM OVER THE ENTIRE EXTERIOR EVELOPE (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 WG. THE CONTINUOUS BUILDING AIR BARRIER SYSTEM INCLUDES AIR TIGHT CONNECTIONS TO ANY PENETRATIONS, WINDOWS, DOORS, LOUVERS, AND BETWEEN ADJACENT DIFFERENT TYPES OF AIR

CREDITS EARNED: 2.0				
4.0				
6.0 TOTAL				

DETAIL CALLOUT - SECTION CENTER LINE ———— പ്ര CUT LINE DETAIL CALLOUT - PLAN SLOPE 6:12 SLOPE INDICATOR |₽→ DOOR NUMBER CALLOUT WALL TYPE CALLOUT _____6W1 **BUILDING SECTION** R1 ROOF TYPE CALLOUT ROOM NAME ROOM NAME/NUMBER 101 FC1 FLOOR/CEILING TYPE CALLOUT 11'-0" CEILING HEIGHT $\langle SF1 \rangle$ STOREFRONT TYPE CALLOUT SHEET NOTE - DEMOLITION EXTERIOR ELEVATION SHEET NOTE (1)/1\ REVISION

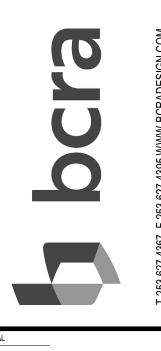
PROJECT GENERAL NOTES

- ALL CONSTRUCTION SHALL COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE, THE AMERICANS WITH DISABILITIES ACT, AND ALL APPLICABLE LOCAL CODES, ORDINANCES, AND STANDARDS.
- 2. 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.
- 4. 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
- 5. WHERE DEVICES OR ITEMS OR PARTS THEREOF ARE REFERED 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.
- 6. FIELD MEASURE AND CONFIRM DIMENSIONS FOR OWNER PROVIDED EQUIPMENT AND FURNISHINGS
- 7. 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.
- 8. COORDINATE AND PROVIDE ALL BASE AND HOUSEKEEPING PADS FOR MECHANICAL PLUMBING AND ELECTRICAL EQUIPMENT.
- 9. LOCATE ACCESS DOORS IN ACCORDANCE WITH APPLICABLE CODES, SUBMIT PROPOSED LOCATIONS TO THE ARCHITECT FOR REVIEW AND ACCEPTANCE PRIOR TO INSTALLATION.
- 10. FINISH FLOOR ELEVATIONS ARE TO TOP OF CONCRETE AND TOPPING SLAB UNLESS OTHERWISE NOTED.
- 11. COORDINATE EXACT SIZE AND PLACEMENT OF EQUIPMENT BEING PROVIDED.
- 12. 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.
- 13. FIRE-BLOCKING AND SMOKE BARRIERS SHALL BE INSTALLED IN ACCORDANCE WITH 2018 INTERNATIONAL BUILDING CODE.
- 14. 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 FEASABILITY OF STORMWATER INFILTRATION

SEPARATE / DEFERRED SUBMITTALS

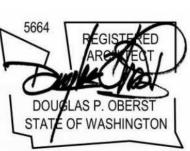
SEPARATE: CIVIL LANDSCAPE SIGNAGE

DEFERRED:





SHEET IND	
GENERAL	COVER
G-101 G-102	COVER CODE SUMMARY
G-301	ADA ACCESSIBILITY REQUIREMENTS
ARCHITECTUR	AL
A-111	SITE PLAN
A-115	TRASH ENCLOSURE PLANS AND ELEVATIONS
A-121 A-122	FIRST FLOOR PLAN FINISH & EQUIPMENT PLAN
A-123	EQUIPMENT SCHEDULE
A-151	FIRST FLOOR REFLECTED CEILING PLAN
A-161 A-201	ROOF PLAN EXTERIOR ELEVATIONS
A-201 A-211	INTERIOR ELEVATIONS
A-212	INTERIOR ELEVATIONS
A-213	INTERIOR ELEVATIONS
A-301 A-311	BUILDING SECTIONS WALL SECTIONS
A-312	WALL SECTION
A-351	STOREFRONT DETAILS
A-352	DOOR DETAILS
A-401 A-511	ENLARGED FLOOR PLANS TRASH ENCLOSURE DETAILS
A-541	TYPICAL SEQUENCING OF SHEET-APPLIED AIR / WATER BARRIER SYSTEM AT
A E 40	FLANGELESS WINDOW AND LOUVER OPENINGS
A-542	TYPICAL SEQUENCING OF SHEET-APPLIED AIR / WATER BARRIER SYSTEM AT FLANGELESS WINDOW AND LOUVER OPENINGS
A-551	CEILING DETAILS
A-561	ROOF DETAILS
A-562 A-591	ROOF DETAILS EXTERIOR WALL DETAILS
A-591 A-592	INTERIOR WALL DETAILS
A-593	INTERIOR DETAILS
A-601	INTERIOR FINISH SCHEDULE
A-611 A-621	DOOR SCHEDULE ASSEMBLY TYPES
11021	
STRUCTURAL	
S-001	GENERAL NOTES AND DRAWING LIST
S-002	ABBREVIATIONS LIST AND LEGENDS
S-003	INSPECTION SCHEDULES AND DESIGN CRITERIA
S-121 S-122	FOUNDATION PLAN LOWER ROOF FRAMING PLAN
S-123	UPPER ROOF FRAMING PLAN
S-401	TYPICAL CONCRETE DETAILS
S-402 S-411	TYPICAL CONCRETE DETAILS CONCRETE DETAILS
S-501	TACO TIME CANOPY
S-502	TACO TIME CANOPY
S-801	TYPICAL WOOD DETAILS
S-811	WOOD DETAILS
MECHANICAL	
MECHANICAL M-1	CODE COMPLIANCE, ABBREVIATIONS, NOTES, LEGEND, VICINITY MAP, DRAWING INDEX
M-2	SCHEDULES
M-3	SCHEDULES
M-4 M-5	
M-5 M-6	HVAC ROOF PLAN DETAILS
M-7	SEISMIC RTU CURB DETAILS, CONTROL SEQUENCES
M-8	MECHANICAL COMMISSIONING
ELECTRICAL	
E0.1	LEGEND & SCHEDULES
E1.1 EL1.1	ELECTRICAL SITE PLAN LIGHTING CALCULATION SITE PLAN
E2.1	POWER / COMM FLOOR PLAN
E3.1	LIGHTING FLOOR PLAN
E4.1	MECHANICAL CONNECTIONS FLOOR PLAN
E9.1 E9.2	RISER DIAGRAM AND SCHEDULES ARC FLASH CALCULATIONS & LABELS
E10.1	SCHEDULES
PLUMBING	
P-1	CODE COMPLIANCE, ABBREVIATIONS, NOTES, LEGEND, VICINITY MAP, DRAWING INDEX,
	SCHEDULES
P-2 P-3	SCHEDULES PLUMBING FOUNDATION PLAN
P-3 P-4	PLUMBING FOUNDATION PLAN PLUMBING FLOOR PLAN
P-5	PLUMBING CEILING PLAN
P-6	NATURAL GAS PIPING FLOOR PLAN
P-7 P-8	PLUMBING ROOF PLAN DETAILS
P-9	DETAILS DETAILS, FIXTURE UNIT COUNTS



	NEW CONSTRUCTION	TACO TIME	1115 EAST MAIN STREET PUYALLUP, WA 98372	
S	IONS			
ADDENDUM #1 2023.12.22			2023.12.22	

_		
DATE		
7.1.	.2022	
BCRA	NO.	
191	10.00.00	
DRAW	VN BY:	
REVIE	EWED BY	

COVER





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. WHERE AN INTENDED FUNCTION IS NOT LISTED IN TABLE 1004.5, THE BUILDING OFFICIAL SHALL ESTABLISH A FUNCTION BASED ON A LISTED FUNCTION THAT MOST NEARLY RESEMBLES THE INTENDED FUNCTION.

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.

THE OCCUPANT LOAD OF WHEELCHAIR SPACES AND THE ASSOCIATED COMPANION SEAT SHALL BE BASED ON ONE OCCUPANT FOR EACH WHEELCHAIR SPACE AND ONE OCCUPANT FOR THE ASSOCIATED COMPANION SEAT PROVIDED IN ACCORDANCE WITH SECTION 1108.2.3. THE OCCUPANT LOAD OF SEATING BOOTHS SHALL BE BASED ON ONE PERSON FOR EACH 24 INCHES (610 MM) OF BOOTH SEAT LENGTH MEASURED AT THE BACKREST OF THE SEATING BOOTH.

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. INTERLOCKING OR SCISSOR STAIRWAYS SHALL BE COUNTED AS ONE EXIT STAIRWAY.

EXCEPTIONS

2. WHERE A BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2, THE SEPARATION DISTANCE SHALL BE NOT LESS THAN ONE-THIRD OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED.

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 SPECIFICALLY PERMITTED BY THIS SECTION, EGRESS DOORS SHALL BE READILY OPENABLE FROMT HE 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 TRAVIL 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 EMASURED 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 M²) 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.

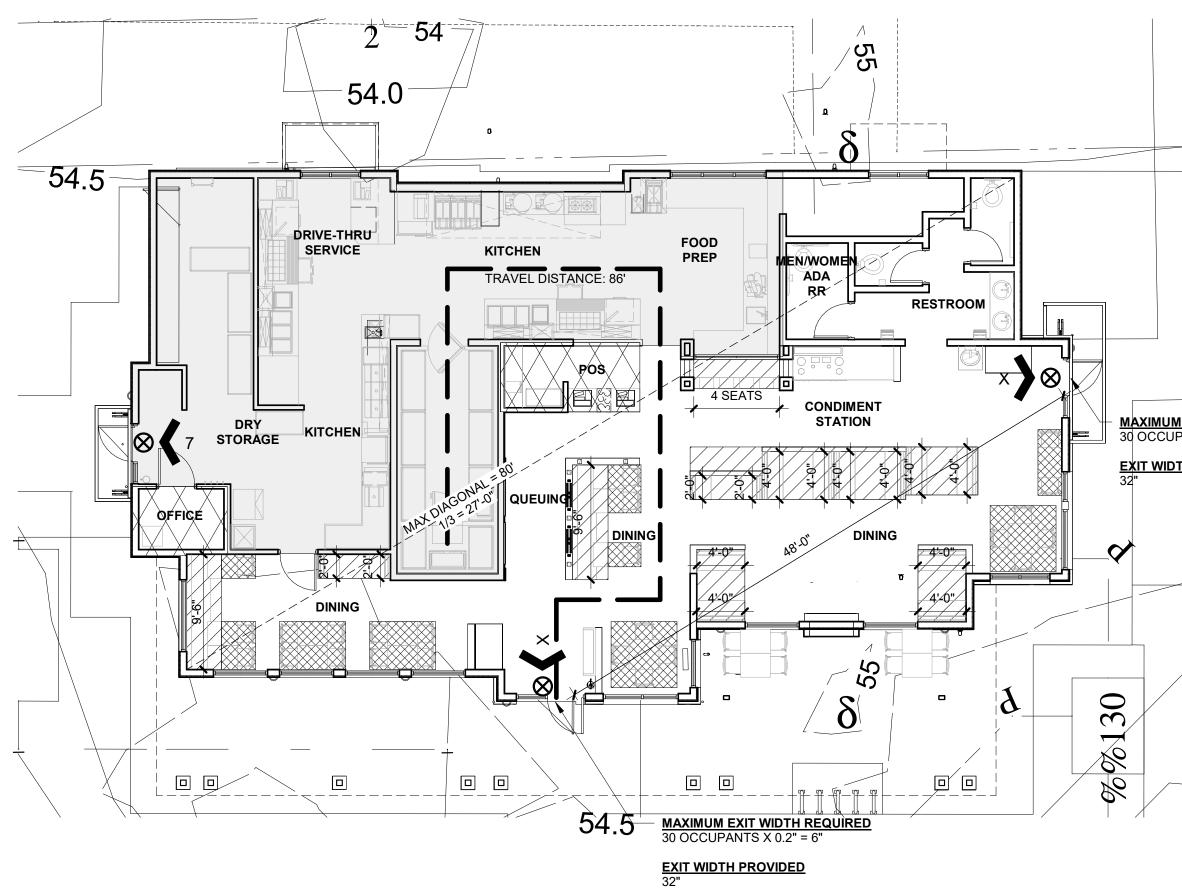
WHERE DINING SURFACES FOR THE CONSUMPTION OF FOOD OR DRINK ARE PROVIDED, AT LEAST 5 PERCENT, BUT NOT LESS THAN ONE, OF THE DINING SURFACES FOR THE SEATING AND STANDING SPACES SHALL BE ACCESSIBLE AND BE DISTRIBUTED THROUGHOUT THE FACILITY AND LOCATED ON A LEVEL ACCESSED BY AN ACCESSIBLE ROUTE.

[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.

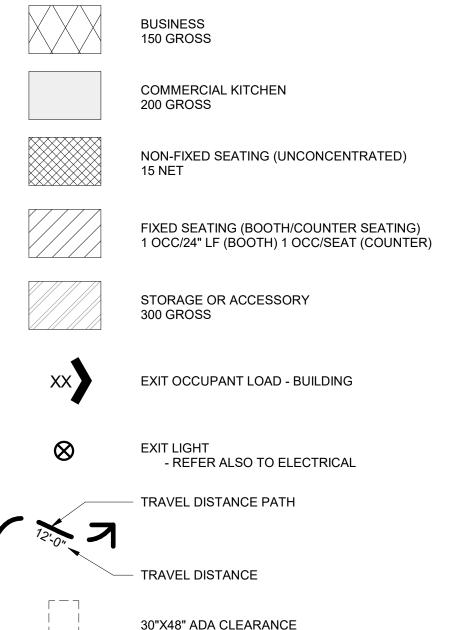
TO DETERMINE THE OCCUPANT LOAD OF EACH SEX, THE TOTAL OCCUPANT LOAD SHALL BE DIVIDED IN HALF. TO DETERMINE THE REQUIRED NUMBER OF FIXTURES, THE FIXURE RATIO OR RATIOS FOR EACH FIXTURE TYPE SHALL BE APPLIED TO THE OCCUPANT LOAD OF EACH SEX IN ACCORDANCE WITH TABLE 2902.1 FRACTIONAL NUMBERS RESULTING FROM 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.



1) LIFE SAFETY PLAN



LIFE SAFETY LEGEND



MAXIMUM EXIT WIDTH REQUIRED 30 OCCUPANTS X 0.2" = 6"

EXIT WIDTH PROVIDED



BUILDING CODE OCCUPANCY

BUILDING SQUARE FOOTAGE: 2,975 SF OCCUPANCY CALC (PER IBC TABLE 1004.5) BUSINESS 112 SF / 150 = 1 OCCCOMMERCIAL KITCHEN 1,182 SF / 200 = 6 OCCINTERIOR 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 = 60 OCC TOTAL INTERIOR OCCUPANT LOAD PLUMBING FIXTURE OCCUPANT LOAD 60 BUILDING OCC

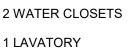
PLUMBING REQUIRED PER 2902.1 30 MALE OCC = 1 WATER CLOSET

= 1 LAVATORY

PROVIDED **1 WATER CLOSET** 1 URINAL 1 LAVATORY

30 FEMALE OCC = 1 WATER CLOSET = 1 LAVATORY

2 WATER CLOSETS

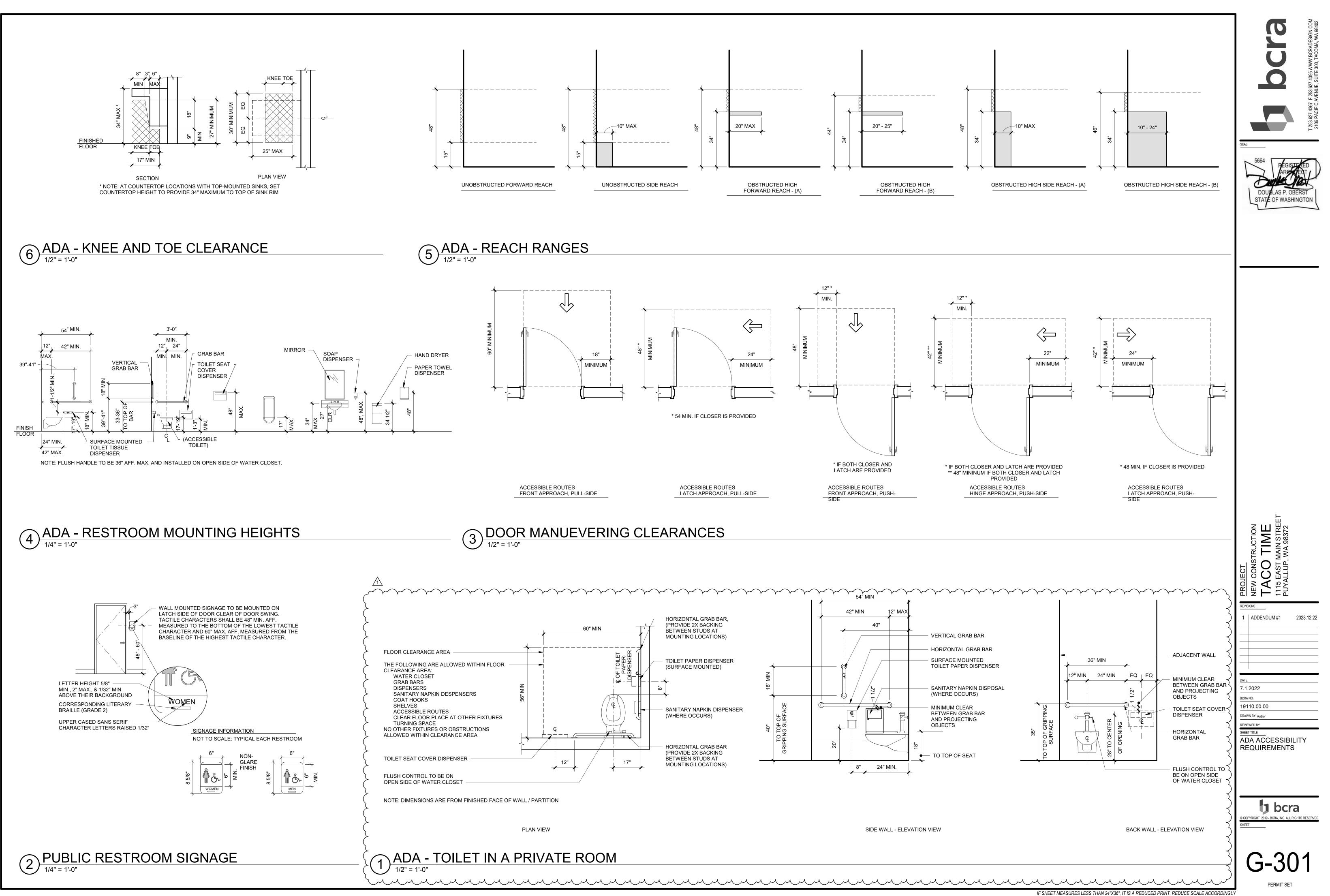


7.1.2022 BCRA NO 19110.00.00 RAWN BY

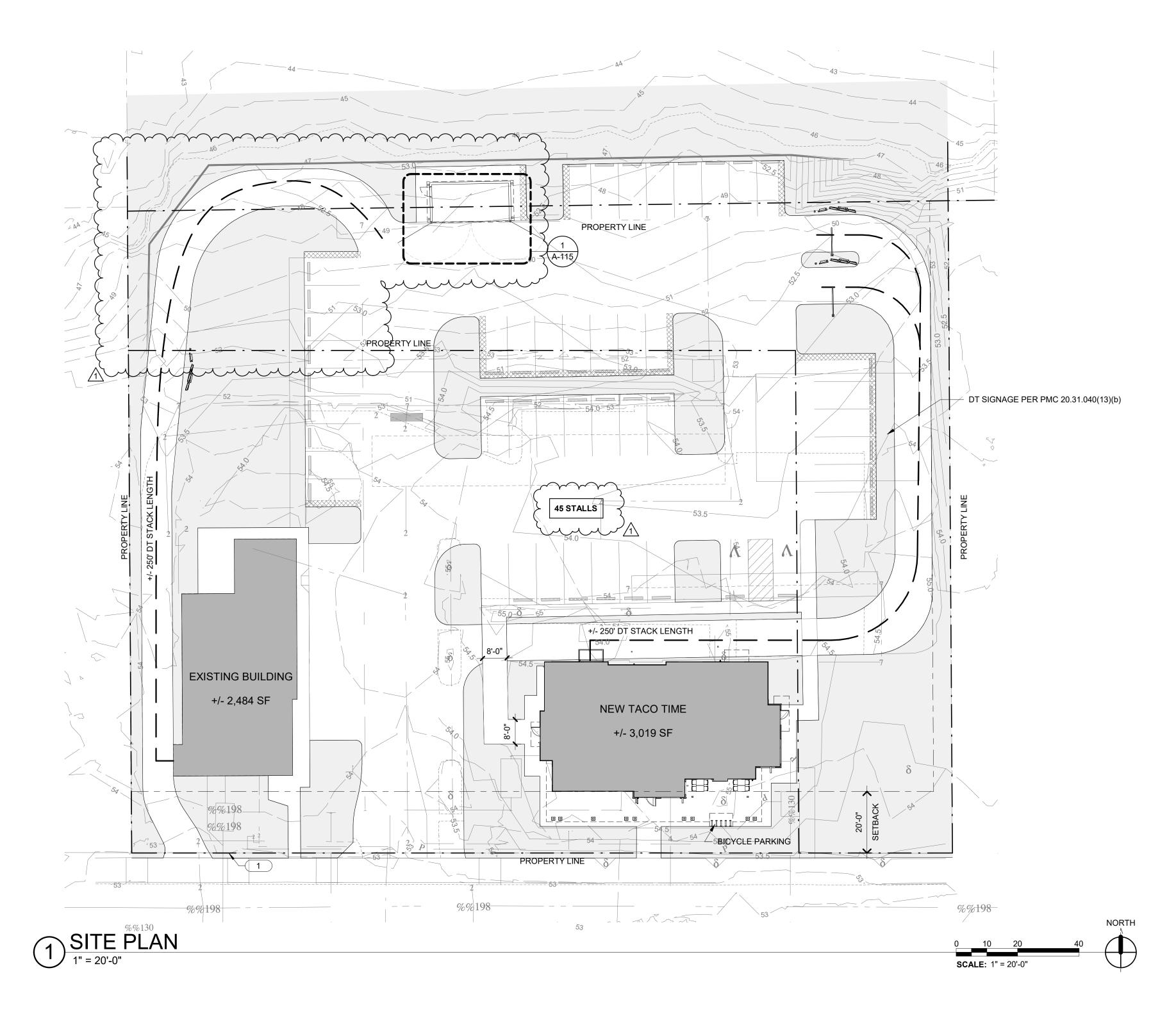
CODE SUMMARY







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.
- 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 STUCTURE/OVERHANG ABOVE

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



LANDSCAPE AREA

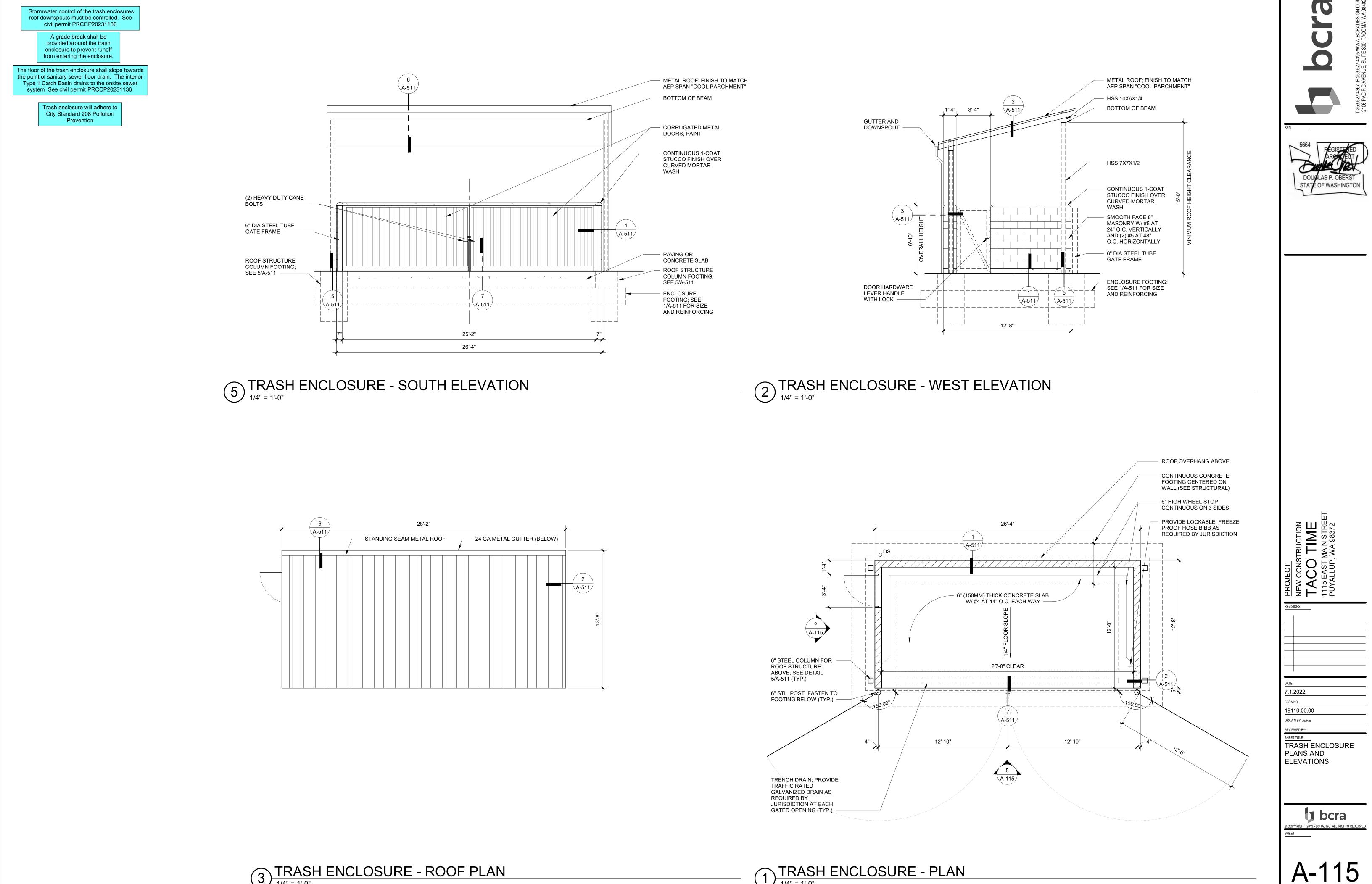
PROPERTY LINE

SITE PLAN SHEET NOTES

1 PROPERTY LINE



PROJECT NEW CONSTRUCTION TACO TIME 1115 EAST MAIN STREET PUYALLUP, WA 98372	
	_
1 ADDENDUM #1 2023.12.2	2
	_
	_
	_
DATE	
7.1.2022	_
BCRA NO. 19110.00.00	_
DRAWN BY:	_
REVIEWED BY: Reviewer SHEET TITLE	-
SITE PLAN	
	-
© COPYRIGHT 2019 - BCRA, INC. ALL RIGHTS RESERVE	ED
SHEET	Ď
A-111	
PERMIT SET	

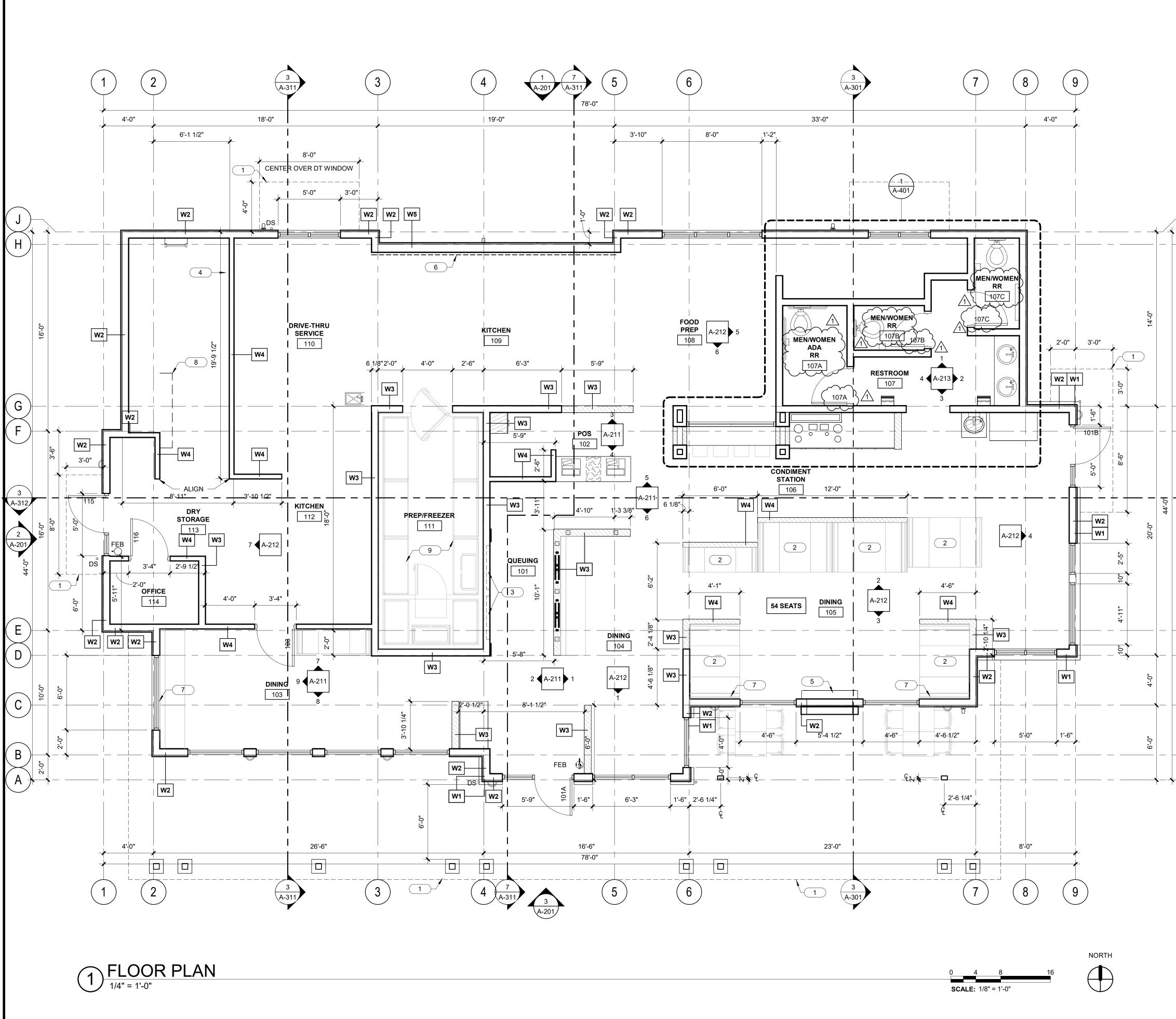


3 TRASH ENCLOSURE - ROOF PLAN

1 TRASH ENCLOSURE - PLAN

PERMIT SET





FLOOR PLAN GENERAL NOTES

1. REFER TO A-621 FOR WALL ASSEMBLY TYPES.

- 2. REFER TO ROOM FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR WALL FINISHES.
- 3. REFER TO G-301 AND FLOOR PLANS FOR LOCATIONS OF FIRE-RATED WALL CONSTRUCTION.
- 4. REFER TO A-201 FOR EXTERIOR STOREFRONT CALLOUTS.
- 5. REFER TO MECHANICAL DRAWINGS FOR SIZING AND CONFIGURATION OF ALL DUCTS AND PIPES PENETRATING FLOOR ASSEMBLIES.
- 6. PROVIDE FIRESTOPPING AT ALL ELECTRICAL AND MECHANICAL (CONDUIT, PIPING AND DUCT) PENETRATIONS THROUGH FIRE-RATED FLOOR/CEILING/ROOF ASSEMBLIÉS.
- 7. REFER TO ENLARGED FLOOR PLANS FOR ADDITIONAL INFORMATION.

FLOOR PLAN LEGEND

Η

G

F

A-312

4 A-201

E

D

В

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
ĎS	DOWNSPOUT
[©] FD	FLOOR DRAIN PER MECHANICAL; DEPRESS DRAIN BODY 1/4"; WARP ADJACENT SLAB 6" FROM DRAIN BODY
0	

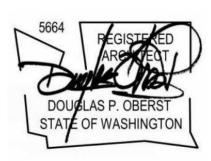
FLOOR DRAIN PER MECHANICAL DRAWINGS; DEPRESS DRAIN BODY; SLOPE SHOWER FLOOR TO DRAIN 0 FD

FLOOR PLAN SHEET NOTES

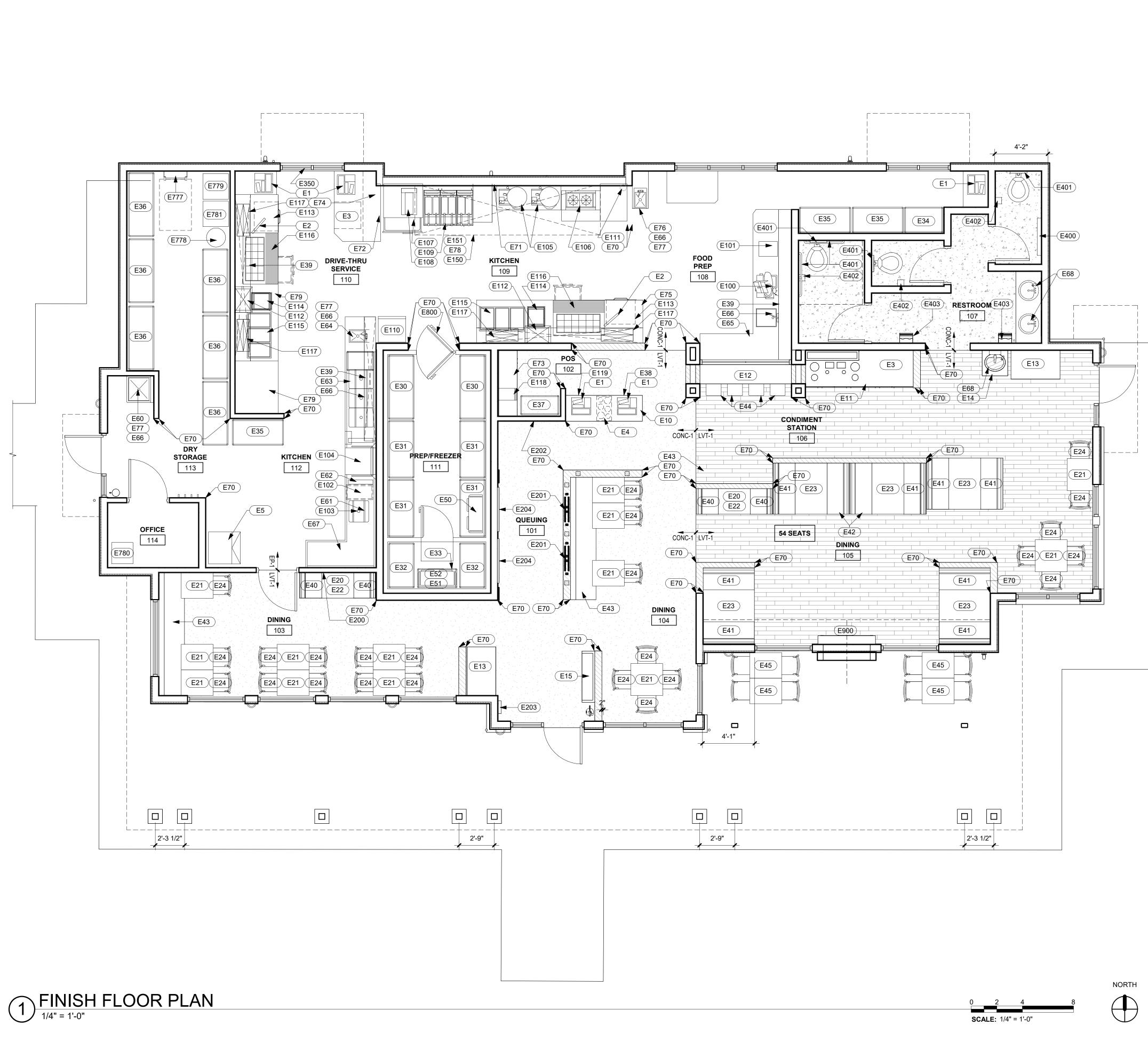
- 1 LINE OF STRUCTURE / CANOPY ABOVE
- 2 PROVIDE BACKING IN WALL FOR WALL MOUNTED TABLES, REFER TO EQUIPMENT PLAN ON A-122 FOR LOCATIONS
- 3 RECESSED MONITORS, PROVIDE BACKING IN WALL
- 4 ROOF ACCESS LADDER
- 5 DOUBLE-SIDED FIREPLACE, CENTER IN WALL PIER
- 6 STAINLESS STEEL FINISH, FULL HEIGHT
- 7 BOOTHS AT STOREFRONT TO HAVE FINISHED BACKS
- 8 ELECTICAL PANEL, REFER TO ELECTRICAL DRAWINGS
- 9 FREEZER BY OTHERS, REFER TO MANUFACTURER DRAWINGS AND SPECS

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





PROJECT NEW CONSTRUCTION TACO TIME 1115 EAST MAIN STREET PUYALLUP, WA 98372
REVISIONS 1 ADDENDUM #1 2023.12.22
DATE
7.1.2022 BCRA NO.
19110.00.00
DRAWN BY:
REVIEWED BY: SHEET TITLE
FIRST FLOOR PLAN
© COPYRIGHT 2019 - BCRA, INC. ALL RIGHTS RESERVED
SHEET
A-121



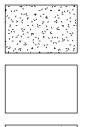
FINISH FLOOR PLAN GENERAL NOTES

1. REFER TO SHEET A-123 FOR EQUIPMENT LIST



FINISH FLOOR PLAN LEGEND

NOT ALL LEGEND ITEMS MAY BE PRESENT ON THIS SHEET

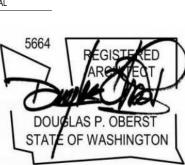


EPOXY FLOORING

CONCRETE FLOOR

LUXURY VINYL FLOORING

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



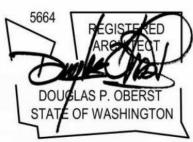
bcra RIGHT 2019 - BCRA, INC. ALL RIGHTS RESE

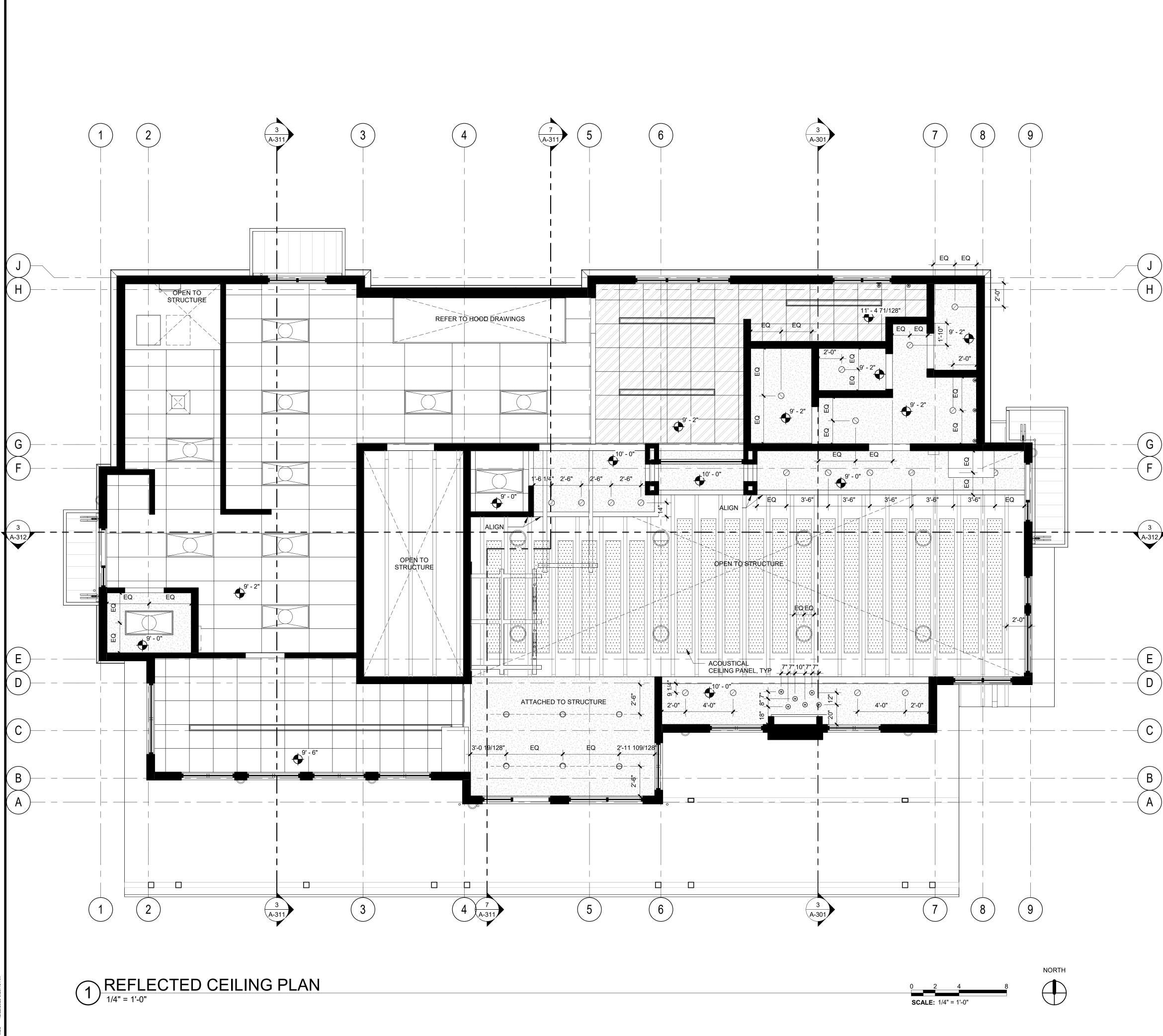


ITEM NO.	SUPPLIER	INSTALLER	DESCRIPTION
E1	OWNER	OWNER	POINT OF SALE SYSTEM: 30 AMPS, 115 VOLTS, PHASE 1, DCO
			CONNECTION, DEDICATED / ISOLATED - VERIFY REQUIREMENTS WITH OWNER
E2	OWNER	OWNER	POINT OF SALE MONITOR: 30 AMPS, 115 VOLTS, PHASE 1, DCO CONNECTION, DEDICATED / ISOLATED - VERIFY REQUIREMENTS WITH OWNER
E3	OWNER	OWNER	SODA DISPENSER: 150 AMPS, 115 VOLTS, 1 PHASE, JBOX, 1/2" COLD/1-1/2" WASTE PLUMBING, INDIRECT WASTE
E4	GC	GC	CUP AND LID DISPENSER WITH POS COUNTER MENU, COUNTER MENU: WOOD (WD-1)
E5	GC	GC	ICE DISPENSER, 114 AMPS, 208 VOLTS, 1 PHASE, SCO CONNECTION, 1/2" COLD, 1" WASTE PLUMBING, INDIRECT WASTE
E10	GC	GC	CASEWORK: SOLID SURFACE COUNTERTOP: SSF-1, PLASTIC LAMINATE CASEWORK: PLAM-1
E11	GC	GC	CASEWORK: CONDIMENT COUNTER AND CONDIMENT BINS; PROVIDE WASTE HOLE IN COUNTER
E12	GC	GC	CASEWORK: BAR COUNTER: PLASTIC LAMINATE: PLAM-1 WITH FASTENERS
E13	GC	GC	CASEWORK: COMPOST CABINET; MAX-R - CUSTOM CAMDEN UNIT - TACO TIME 45 3/4"W X 26 5/8"D X 50 7/8"H, PANEL COLOR: CARAMEL, TRIM COLOR: GRAY, VINYL BRANDED GRAPHICS BY CORPORATE, DOUBLE, QTY: 2
E14	GC	GC	CASEWORK: ADA COMPLIANT SINK COUNTER
E15	OWNER	GC	CASEWORK: ORDER AHEAD CABINET - OLO CABINET
E20	GC	GC	FURNITURE: TABLE TOPS - 24" X 48", SOLID SURFACE, FLAT EASED EDGE, CANTILEVER STEEL WALL SUPPORT, OPAQUE, #O 803, "COCOA", QTY: 3
E21	GC	GC	FURNITURE: TABLE TOPS - 24" X 30" & 24" X 24" TABLE TOPS, CI HOSPITALITY, 22" X 22" FLAT CROSS 'X' BASE, SELF ADJUST GLIDES, QTY: 18
E22	GC	GC	FURNITURE: TABLES BASES FOR 24" X 48" TABLE TOPS, CI HOSPITALITY, CANTILEVER STEEL WALL SUPPORT, QTY: 3
E23	GC	GC	FURNITURE: TABLE TOPS - 24" X 72", SOLID SURFACE, FLAT EASED EDGE, CANTILEVER STEEL WALL SUPPORT AND PIN LEG, OPAQUE, #O 803, "COCOA", QTY: 2
E24	GC	GC	FURNITURE: INDOOR CHAIR, JH CARR C-28, COLOR; "DARK BROWN"
E30	OWNER	OWNER	SHELVING, 5'-0" X 2'-0" (REFRIGERATOR)
E31	OWNER	OWNER	SHELVING, 4'-6" X 2'-0" (REFRIGERATOR)
E32	OWNER	OWNER	SHELVING, 3'-6" X 2'-0" (FREEZER)
E33	OWNER	OWNER	SHELVING, 3'-0" X 1'-6" (FREEZER)
E34	OWNER	OWNER	SHELVING, 3'-0" X 2'-0"
E35	OWNER	OWNER	SHELVING, 4'-0" X 2'-0"
E36	OWNER	OWNER	SHELVING, 5'-0" X 2'-0"
E37	OWNER	OWNER	SHELVING, 3'-0" X 1'-6"
E38	GC	KITCHEN SUPPLIER	SHELVING, UNDERCOUNTER METRO WIRE SHELVING, 2'-0" X 1'-6"X6"H
E39	GC	GC	WALL SHELF
E40	GC	GC	FURNITURE: BOOTH, SINGLE BOOTH 48" L X 24" D X 40" H, UPHOLSTERY - SEAT: CF STINSON VINYL, GRAND SIERRA, COLOR: #363499 "WHEAT", BACK: MOMENTUM TEXTILES, TURIN, COLOR: "GIANDUJA", EXPOSED BACK (IF ANY): FORMICA LAMINATE, COLOR: #8844 "AGED ASH", FINISH: #58 MATTE, QTY: 2
E41	GC	GC	FURNITURE: BOOTH, SINGLE BOOTH 60" L X 24" D X 40" H, UPHOLSTERY - SEAT: CF STINSON VINYL, GRAND SIERRA, COLOR: #363499 "WHEAT", BACK: MOMENTUM TEXTILES, TURIN, COLOR: "GIANDUJA", EXPOSED BACK (IF ANY): FORMICA LAMINATE, COLOR: #8844 "AGED ASH", FINISH: #58 MATTE, QTY: 2
E42	GC	GC	FURNITURE: BOOTH, DBL. BOOTH 60" L X 24" D X 40" H, UPHOLSTERY - SEAT: CF STINSON VINYL, GRAND SIERRA, COLOR: #363499 "WHEAT", BACK: MOMENTUM TEXTILES, TURIN, COLOR: "GIANDUJA", EXPOSED BACK (IF ANY): FORMICA LAMINATE, COLOR: #8844 "AGED ASH", FINISH: #58 MATTE, QTY: 2
E43	OWNER	GC	FURNITURE: UPHOLSTERED BENCH
E44	OWNER	GC	FURNITURE: BAR STOOLS, CI HOSPITALITY M7782G, PEWTER STOOL, CUSTOM PAINT #SW6426, 4-5 WK LEAD TIME, QTY: 4
E45	GC	GC	FURNITURE: OUTDOOR TABLE TOPS AND BASES, 2'-0" X 2'-6"
E50	OWNER	OWNER	BLOWER COIL, 18 AMPS, 115 VOLTS, JBOX, 3/8" WASTE PLUBMING, INDIRECT WASTE
E51	OWNER	OWNER	BLOWER COIL, 25 AMPS, 208 VOLTS, 3 PHASE, JBOX, 3/8" WASTE PLUMBING, INDIRECT WASTE
E52	OWNER	OWNER	WALK-IN COOLER, 15 AMPS, 208 VOLTS, 1 PHASE, JBOX
E60	GC	GC	MOP / HAND SINK, 2" WASTE PLUMBING, DIRECT WASTE, W/ ONDEMAND WATER HEATER ABOVE
E61	GC	GC	PRE-RINSE FAUCET, 1/2" HOT, 1/2" COLD PLUMBING
E62	GC	GC	QUICK DRAIN, 1" WASTE PLUMBING, INDIRECT WASTE
E63	GC	GC	CLEAN DISH TABLE, 3 COMPARTMENT SINK, 2" WASTE PLUMBING, DIRECT WASTE
E64	OWNER	OWNER	STAINLESS STEEL SINK / EYE WASH STATION COMBINATION, 1-1/2" WASTE, INDIRECT WASTE
E65	GC	GC	WORK TABLE WITH PREP SINK, 1-1/2" WASTE PLUMBING, INDIRECT WASTE
E66	GC	GC	FAUCET, 1/2" HOT 1/2" COLD PLUMBING
E67	GC	GC	SOILED DISH TABLE, 1-1/2" WASTE PLUMBING, INDIRECT WASTE
E68	GC	GC	INTEGRAL HAND SINK WITH AUTOMATIC FAUCET AND SOAP DISPENSER

TEM NO.	SUPPLIER	INSTALLER	DESCRIPTION	
E70	GC	GC	STAINLESS STEEL CORNERGUARD, STRAIGHT W/ KINKED EDGE, NO HOLES, QTY: 7	DESIGN.CO
E71	GC	GC	HOLES, QTY: 7 STAINLESS STEEL WALL COVERING, REFER TO SHEET A-211 FOR EXTENT OF MATERIAL	T 253.627.4367 F 253.627.4395 WWW.BCRADESIGN.COM
E72	GC	KITCHEN SUPPLIER	STAINLESS STEEL DRIVE-THRU STATION COUNTER WITH CASH DRAWER WRAP	4395 WWM
E73	OWNER	OWNER	STAINLESS STEEL CABINET, 34" H, DOUBLE DOORS	F 253.627 4
E74	GC	KITCHEN	STAINLESS STEEL MONITOR BRACKET	4367 F
E75	OWNER	SUPPLIER	STAINLESS STEEL COUNTER	253.627
E76	GC	GC	STAINLESS STEEL COUNTER WITH HAND SINK, 1'1/2" WASTE, INDIRECT	SEAL
E77	GC	GC	WASTE HAND SOAP / TOWEL DISPENSER	5664
E78	GC	GC	STAINLESS STEEL CLOSURE PANEL TO BE INSTALLED AT ACOUSTIC	ARE LEGT
			CEILING PANELS WITHIN 18" OF HOOD, SEE HOOD DRAWINGS FOR REQUIREMENTS	DOUGLAS P. OBERST
E79	OWNER	OWNER	STAINLESS STEEL COUNTER	
E100	GC	GC	SLICER, 3.5 AMPS, 115 VOLTS, 1 PHASE, DCO CONNECTION	
E101	GC	GC	CHEESE SHREDDER, 9.0 AMPS, 115 VOLTS, 1 PHASE, DCO CONNECTION	
E102 E103	GC	GC	CHEMICAL STORAGE UNIT REMOVABLE SCRAP BASKET	
E100	GC	GC	DISHWASHER, 45.4 AMPS, 208 VOLTS, 3 PHASE, JBOX, 1/2" COLD, 2"	
E105	GC	GC	WASTE PLUMBING, INDIRECTE WASTE TABLETOP KETTLE, 18 AMPS, 208 VOLTS, 3 PHASE, JBOX	
E105	GC	GC	COUNTERTOP BURNER, 3/4" GAS CONNECTION, 10,000 BTU	
E107	GC	KITCHEN SUPPLIER	FRY DUMP STATION, MFR: HATCO, MODEL: MPW-36, .75 KW, 6.3 AMPS, 120 VOLTS, 1 PHASE, DCO CONNECTION, NEMA 5-15P	
E108	GC	KITCHEN	REFRIGERATOR, MFR: CONTINENTAL, MODEL: DL36G, TWO-DRAWER, 5.7	
		SUPPLIER	AMPS, 115 VOLTS, 1 PHASE, DCO CONNECTION, NEMA 5-15P	
E109	KITCHEN SUPPLIER	KITCHEN SUPPLIER	FRYER (1)(MEXI FRIES), PITCO SG14 SSTC, .9 AMPS, 220 VOLTS, 1 PHASE, DCO CONNECTION, 3/4" GAS CONNECTION, 110,000 BTU	
E110	GC	GC	UPRIGHT FREEZER	
E111	GC	GC	FIRE SUPPRESSION SYSTEM, INTERCONNECTED TO FIRE ALARM PANEL	
E112 E113	OWNER	OWNER	MICROWAVE OVEN, 140 AMPS, 208 VOLTS, 1 PHASE, SCO CONNECTION WARMING DRAWER, 3.8 AMPS, 115 VOLTS, 1 PHASE, DCO CONNECTION,	
			NEMA 5-15P	
E114	OWNER	OWNER	SANDWICH GRILL, 15 AMPS, 115 VOLTS, 1 PHASE, DCO CONNECTION, NEMA 5-15P	
E115	OWNER	OWNER	DROP-IN WARMING WELLS, 2.10 KW, 208 VOLTS, 1 PHASE, JBOX	
E116	OWNER	OWNER	RAISED RAIL REFRIGERATOR, 9 AMPS, 115 VOLTS, 1 PHASE, DCO CONNECTION, NEMA 5-15P	
E117	OWNER	OWNER	HEAT LAMP, 130 KW, 208 VOLTS, 1 PHASE, JBOX CONNECTION	
E118	OWNER	OWNER	ICE TEA DISPENSER, 4.0 AMPS, 115 VOLTS, 1 PHASE, DCO CONNECTION, VERIFY REQUIREMENTS WITH OWNER	
E119	GC	GC	SMALL UNDERCOUNTER REFRIGERATOR	
E150	GC	GC	CLASS 1 EXHAUST HOOD, 19'-0", 0.9 AMPS, 115 VOLTS, 1 PHASE, JBOX (FOR LIGHTS)	TRUCTION TIME MAIN STRE WA 98372
E151	GC	GC	MAKE-UP AIR PLENUM BOX	
E200	OWNER	GC	LARGE WALL VINYL MURAL; FIELD VERIFY SIZE	PROJECT NEW CON TACC 1115 EAS
E201	OWNER	GC	QUEUE LINE ADVERTISING BOARDS; QTY: 4 - TRELLIS MOUNTED, (4) 20.125" X 51.125" DIRECT PRINT ON 3MM SINTRA, (4) WOOD/METAL FRAMES	
E202	OWNER	GC	COMMUNITY BOARD: TACKABLE WALL DISPLAY BOARD WITH BRANDED GRAPHICS, PROVIDE BACKING IN WALL	REVISIONS
E203	GC	GC	PAPER MENU HOLDER: COORDINATE SPECIFICATIONS WITH	
E204	OWNER	GC	CORPORATE MENUBOARD; (3) DIGITAL MENUBOARDS AND MOUNTING BRACKETS -	
			COORDINATE PRODUCT SPECIFICATIONS WITH CORPORATE	
E350 E400	OWNER GC	OWNER GC	DRIVE-THRU WINDOW BABY CHANGING STATION	DATE 7.1.2022
E400 E401	GC	GC	SURFACE MOUNTED TOILET SEAT COVER DISPENSER	BCRA NO.
E402	GC	GC	<varies></varies>	19110.00.00 DRAWN BY: Author
E403	GC	GC	HAND DRYER: DYSON AIR BLADE, 120V, 60 HZ, PROVIDE DEDICATED CIRCUIT, ADA COMPLIANT	REVIEWED BY: SHEET TITLE
E777	OWNER	OWNER	ROOF LADDER	EQUIPMENT SCHEDULE
E778	OWNER	OWNER	BULK CO2 TANK	
E779	OWNER	OWNER	BULK OIL TANK	
E780	GC	GC	SAFE	
E781	OWNER	OWNER	SODA RACK	🕽 bcra
E800	OWNER	OWNER	WALK-IN COOLER, 15 AMPS, 208 VOLTS, 1 PHASE, JBOX	© COPYRIGHT 2019 - BCRA, INC. ALL RIGHTS RESERVED SHEET
E900	GC	GC	FIREPLACE, HEAT'N'GLO TWILIGHT-II-MOD, DOUBLE SIDED, BASIC FRONT "BLACK" GLASS MEDIA "AMBER"	
				A-123

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





REFLECTED CEILING PLAN GENERAL NOTES

- 1. 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.
- 2. DIMENSIONS ARE TO FACE OF FINISH AND CENTERLINE OF FIXTURES, UNLESS NOTED OTHERWISE.
- 3. AT SUSPENDED ACOUSTICAL CEILINGS, CENTER LIGHT FIXTURES, DIFFUSERS, SPEAKERS, FIRE SPRINKLER HEADS, ALARMS, DETECTORS ETC. WITHIN TILES, UNLESS NOTED OTHERWISE.
- 4. PROVIDE ARMSTRONG BERC2 CLIP (OR APPROVED EQUIVALENT) IN LIEU OF 2" PERIMETER ANGLE PER ICC 3SR-1308 FOR CONNECTING GRID MEMBERS TO PERIMETER WALL.
- 5. REFER TO SHEET A-551 FOR TYPICAL SUSPENDED CEILING SEISMIC REQUIREMENTS.
- 6. PER ASCE 7-02 SECTION 9.6.2.6.2.2 ITEM C: PROVIDE LATERAL FORCE BRACING (VERTICAL STRUTS AND SPLAY WIRES) FOR CEILINGS WITH AN AREA OF 1,000 SQUARE FEET OR MORE.
- 7. DESIGN AND PROVIDE ALL CEILING SECONDARY & PORT SYSTEMS SUSPENDED FROM PRIMARY STRUCTURE ABOVE. REFER TO 5/A-551 FOR MINIMUM CEILING PERFORMANCE REQUIREMENTS. PERFORMANCE REQUIREMENTS.
- 8. REFER ALSO TO STRUCTURAL FOR LOCATIONS OF WALL FRAMING THAT EXTENDS TO STRUCTURE ABOVE.
- 9. ALIGN FLOOR FRAMING AND ROOF FRAMING WITH SUSPENDED T-BAR GRID LAYOUT TO ACCOMODATE THE CEILING, LIGHTING AND HVAC SYSTEMS.
- 10. REFER TO TELECOM DRAWINGS FOR CEILING MOUNTED SPEAKER LAYOUT.

REFLECTED CEILING PLAN LEGEND

Н

(G

F

3

Έ

D

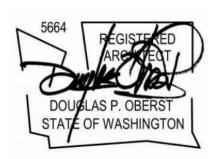
-(C)

В

	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')
	ACT-4 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
	 (1) LAYER 5/8" WATER RESISTANT GYPSUM BOARD (1) LAYER 5/8" WATER RESISTANT 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
	1 HOUR HORIZONTAL ASSEMBLY REFER TO A-621 FOR ASSEMBLY REQUIREMENTS
	FIBER CEMENT SOFFIT PANEL JOINT SOFFIT VENT
	SHEET METAL SOFFIT - MP-#
	PANEL JOINT
8' - 0"	
	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.
0	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
	LIGHT FIXTURE (SIZE AND TYPE VARIES) -REFER ALSO TO ELECTRICAL
	CEILING DIFFUSER (SIZE AND TYPE VARIES) -REFER ALSO TO MECHANICAL

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

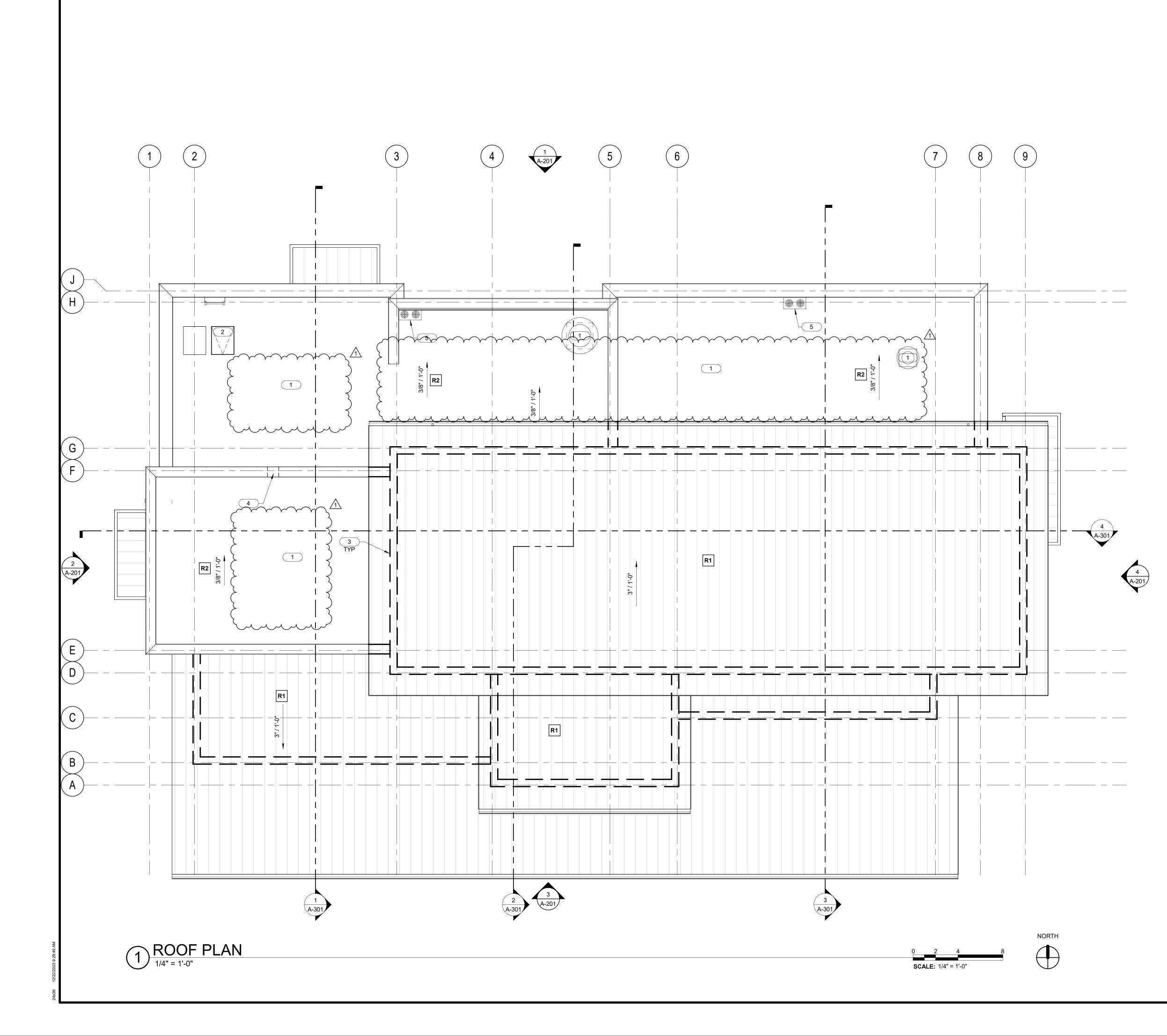
σ U



PROJECT NEW CONSTRUCTION TACO TIME 1115 EAST MAIN STREET PUYALLUP, WA 98372								
REVISIONS								
1 ADDENDUM #1 2023.12.22								
DATE								
7.1.2022								
BCRA NO.								
19110.00.00								
DRAWN BY: REVIEWED BY:								
SHEET TITLE FIRST FLOOR REFLECTED CEILING PLAN								
b bcra								



OPYRIGHT 2019 - BCRA, INC. ALL RIGHTS RESERV

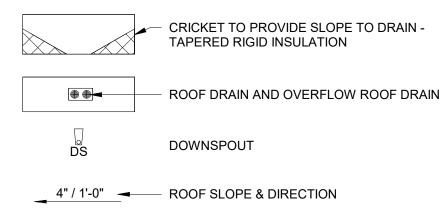


ROOF PLAN GENERAL NOTES

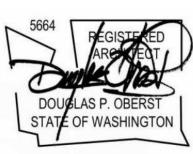
1. REFER TO A-621 FOR ROOF ASSEMBLY TYPES.

- 2. 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.
- 4. SEE ALSO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION ON ROOFTOP EQUIPMENT AND FIXTURES.

ROOF PLAN LEGEND





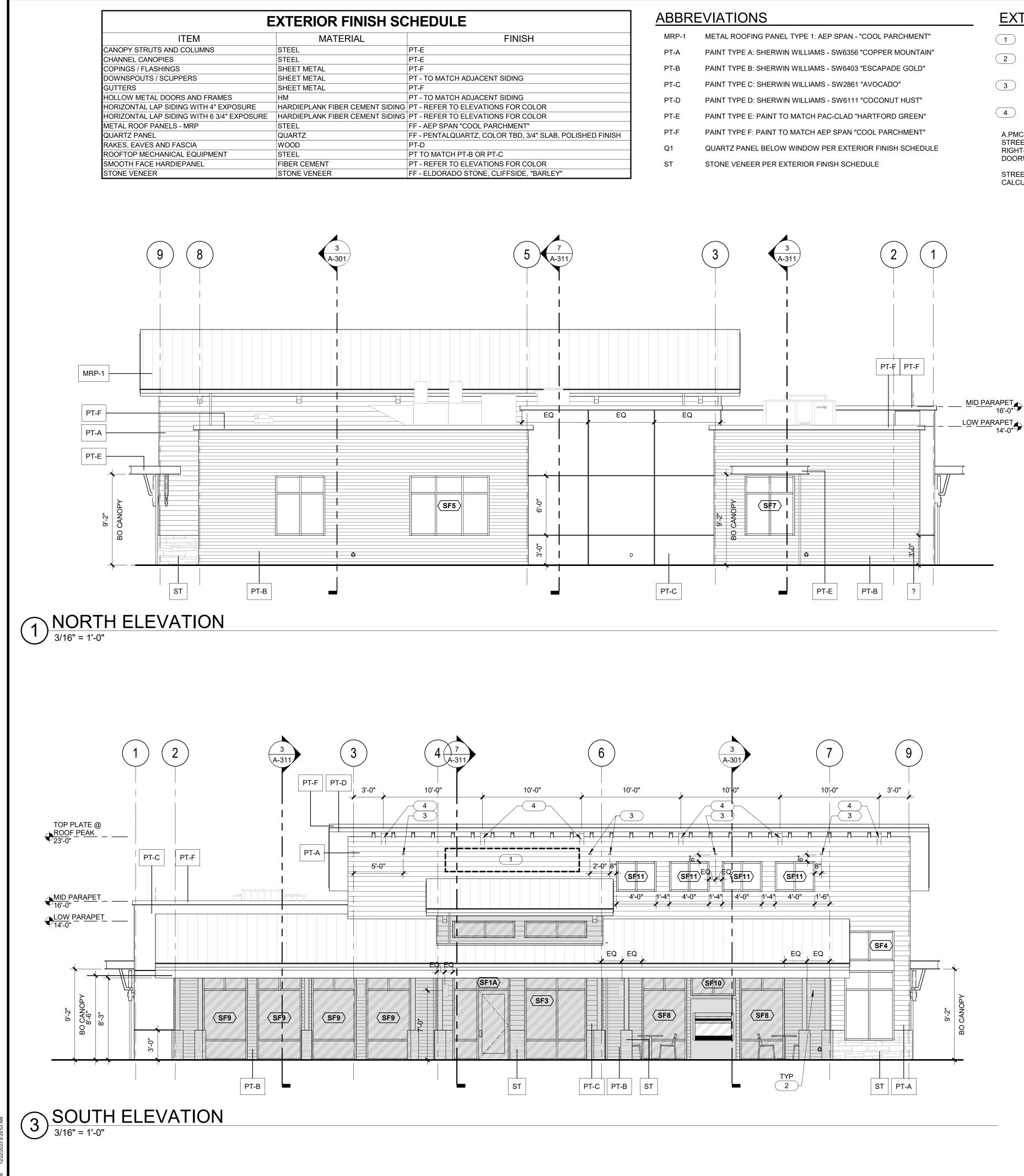


ROOF PLAN SHEET NOTES

1 LOCATIONS OF EQUIPMENT, REFER TO MEP DRAWINGS

- 2 ROOF ACCESS HATCH
- 3 LINE OF WALL BELOW
- 4 THRU-WALL SCUPPER
- 5 ROOF DRAIN AND OVERFLOW

PROJECT NEW CONSTRUCTION TACO TIME 1115 EAST MAIN STREET PUYALLUP, WA 98372
REVISIONS 1 ADDENDUM #1 2023.12.22
ADDENDUM #1 2023.12.22
DATE 7.1.2022
BCRA NO.
19110.00.00 DRAWN BY:
REVIEWED BY:
SHEET TITLE ROOF PLAN
© COPYRIGHT 2019 - BCRA, INC. ALL RIGHTS RESERVED SHEET
A-161 PERMIT SET



RP-1	METAL ROOFING PANEL TYPE 1: AEP SPAN - "COOL PARCHMENT"
Г-А	PAINT TYPE A: SHERWIN WILLIAMS - SW6356 "COPPER MOUNTAIN"
Г-В	PAINT TYPE B: SHERWIN WILLIAMS - SW6403 "ESCAPADE GOLD"
Г-С	PAINT TYPE C: SHERWIN WILLIAMS - SW2861 "AVOCADO"
Г-D	PAINT TYPE D: SHERWIN WILLIAMS - SW6111 "COCONUT HUST"
Г-Е	PAINT TYPE E: PAINT TO MATCH PAC-CLAD "HARTFORD GREEN"
Γ-F	PAINT TYPE F: PAINT TO MATCH AEP SPAN "COOL PARCHMENT"
1	QUARTZ PANEL BELOW WINDOW PER EXTERIOR FINISH SCHEDULE
Г	STONE VENEER PER EXTERIOR FINISH SCHEDULE

EXTERIOR ELEVATION SHEET NOTES

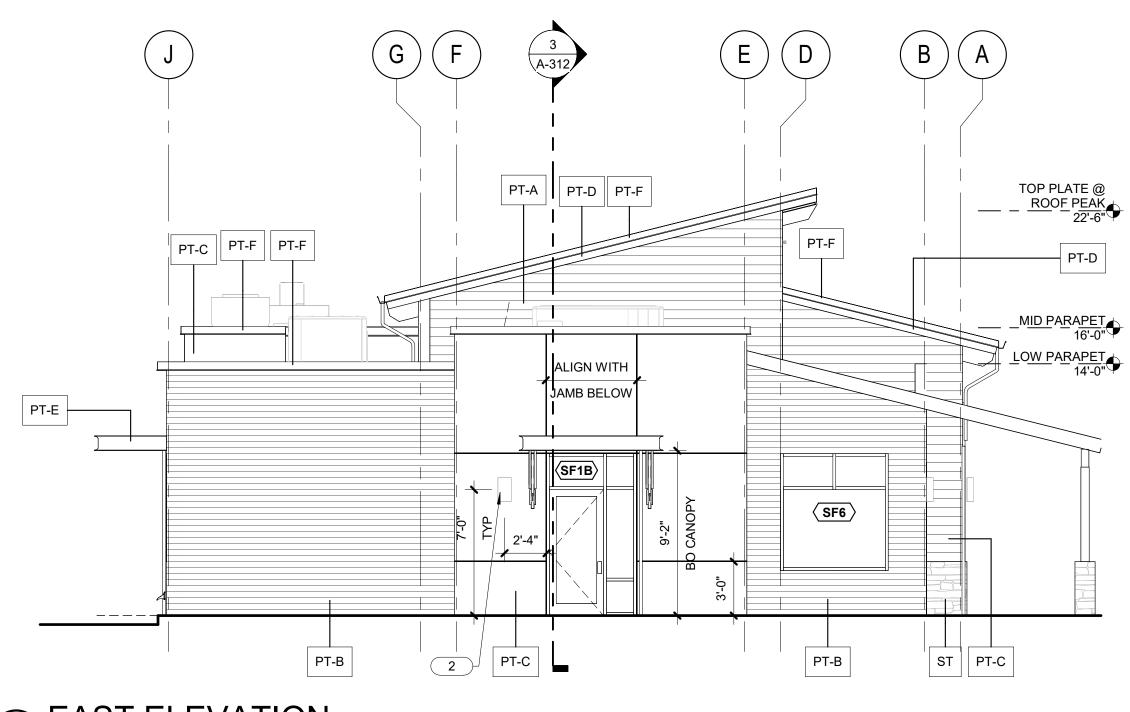
- 1 BUILDING SIGNAGE BY OTHERS, UNDER SEPERATE PERMIT
- 2 EXTERIOR WALL SCONCE, GUILD LED POCKET OUTDOOR WALL LIGHT, LARGE, LED BUILT-IN, 120 VOLTS, 3000 SOFT WHITE, 92 CRI, DARK BRONZE

3 EXTERIOR WALL SCONCE, LITHONIA LED WALL PACK #OWLX1-LED-20-40K-MVOLT OR APPROVED SIMILAR.

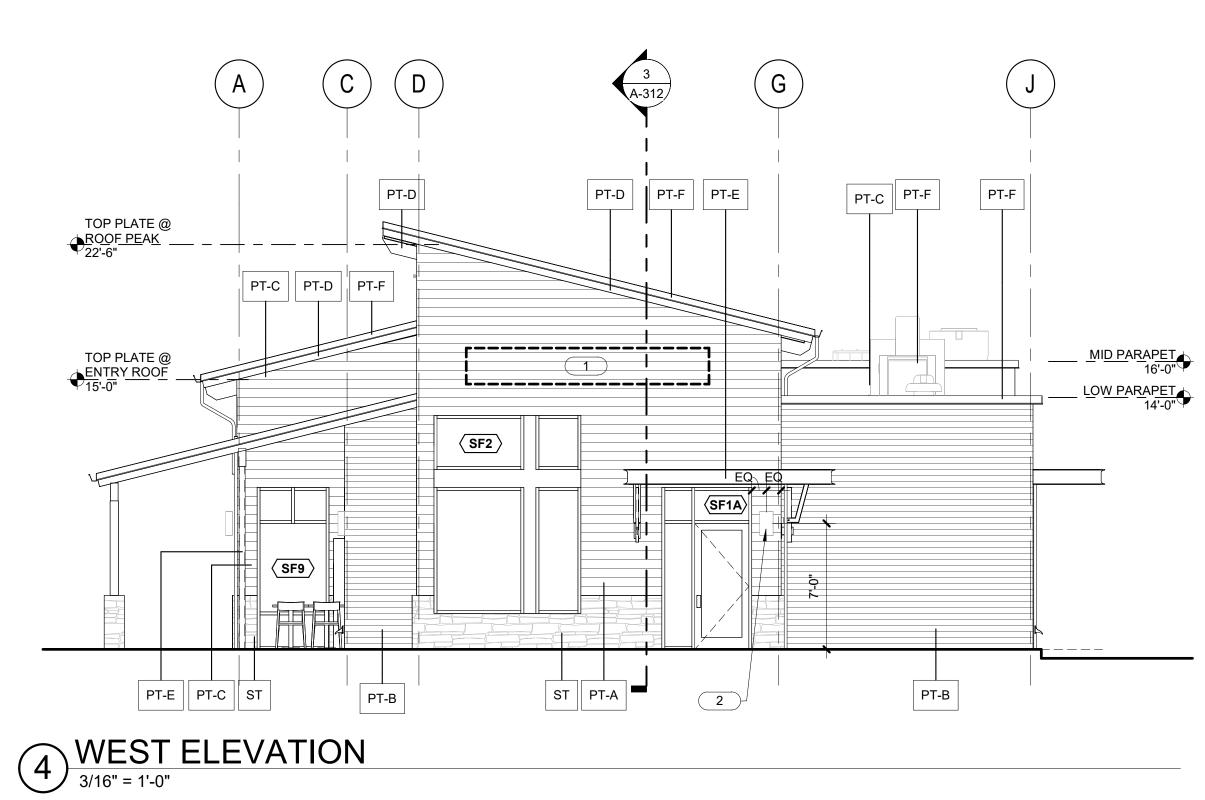
4 ROOF KICKER

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.

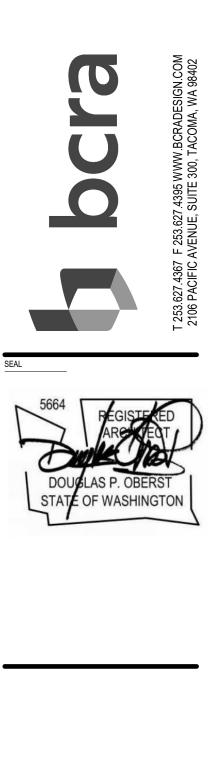






EXTERIOR ELEVATION GENERAL NOTES

1. REFER TO STOREFRONT TYPES FOR STANDARD SHADING CONDITIONS.



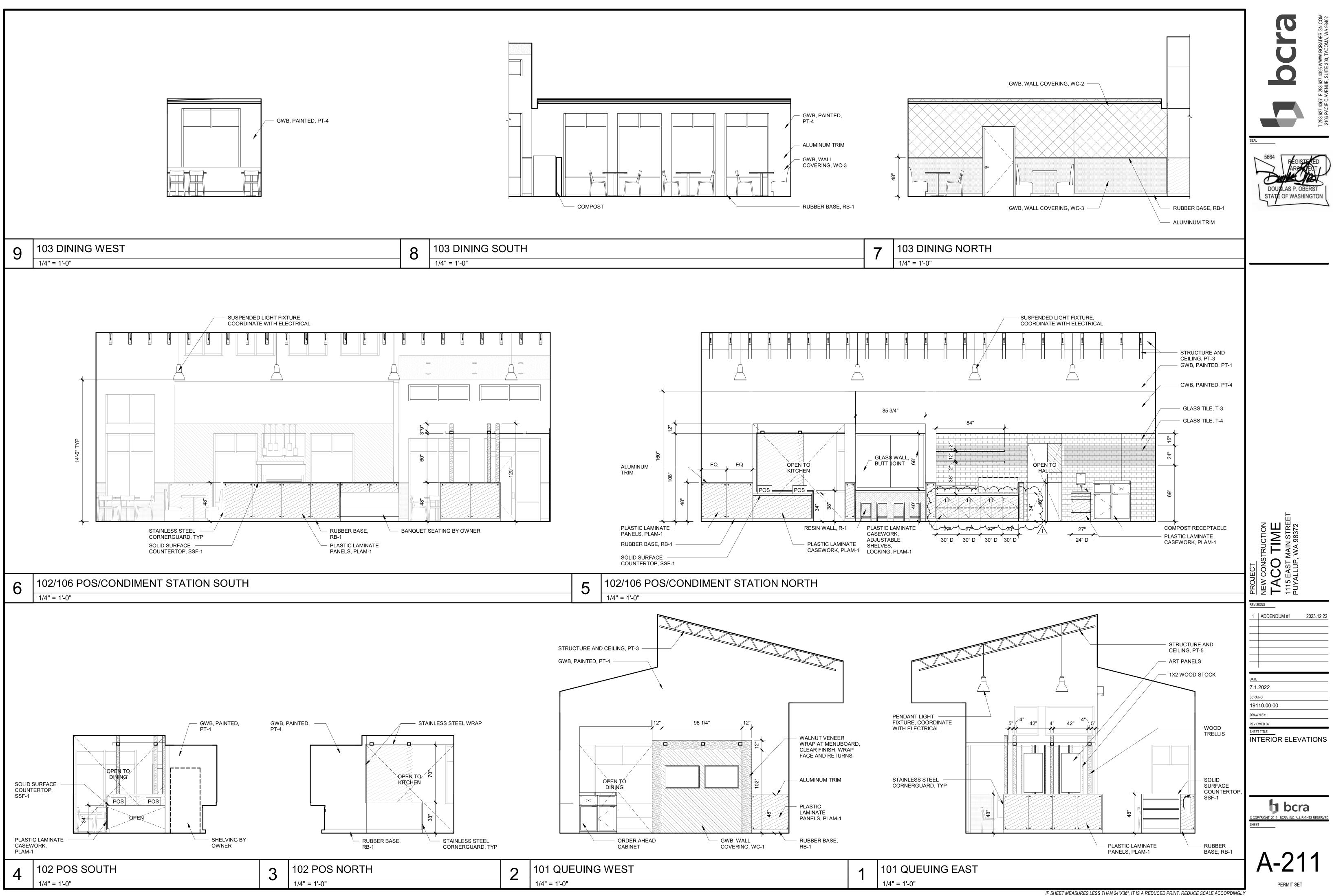
PROJECT NEW CONSTRUCTION TACO TIME 1115 EAST MAIN STREE PUYALLUP, WA 98372 7.1.2022 CRA NO. 19110.00.00 DRAWN BY: REVIEWED BY: EXTERIOR ELEVATIONS

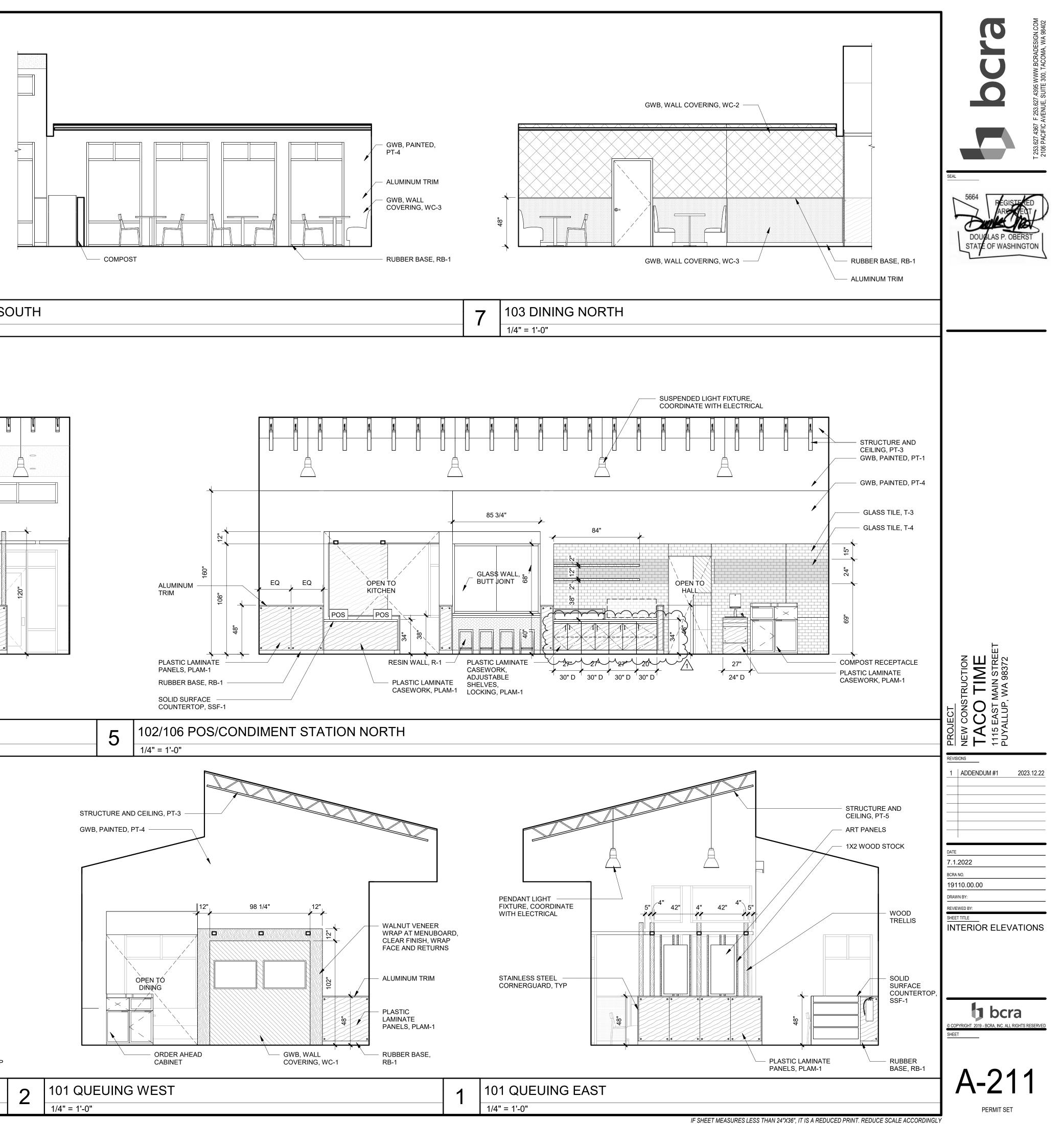
A-201

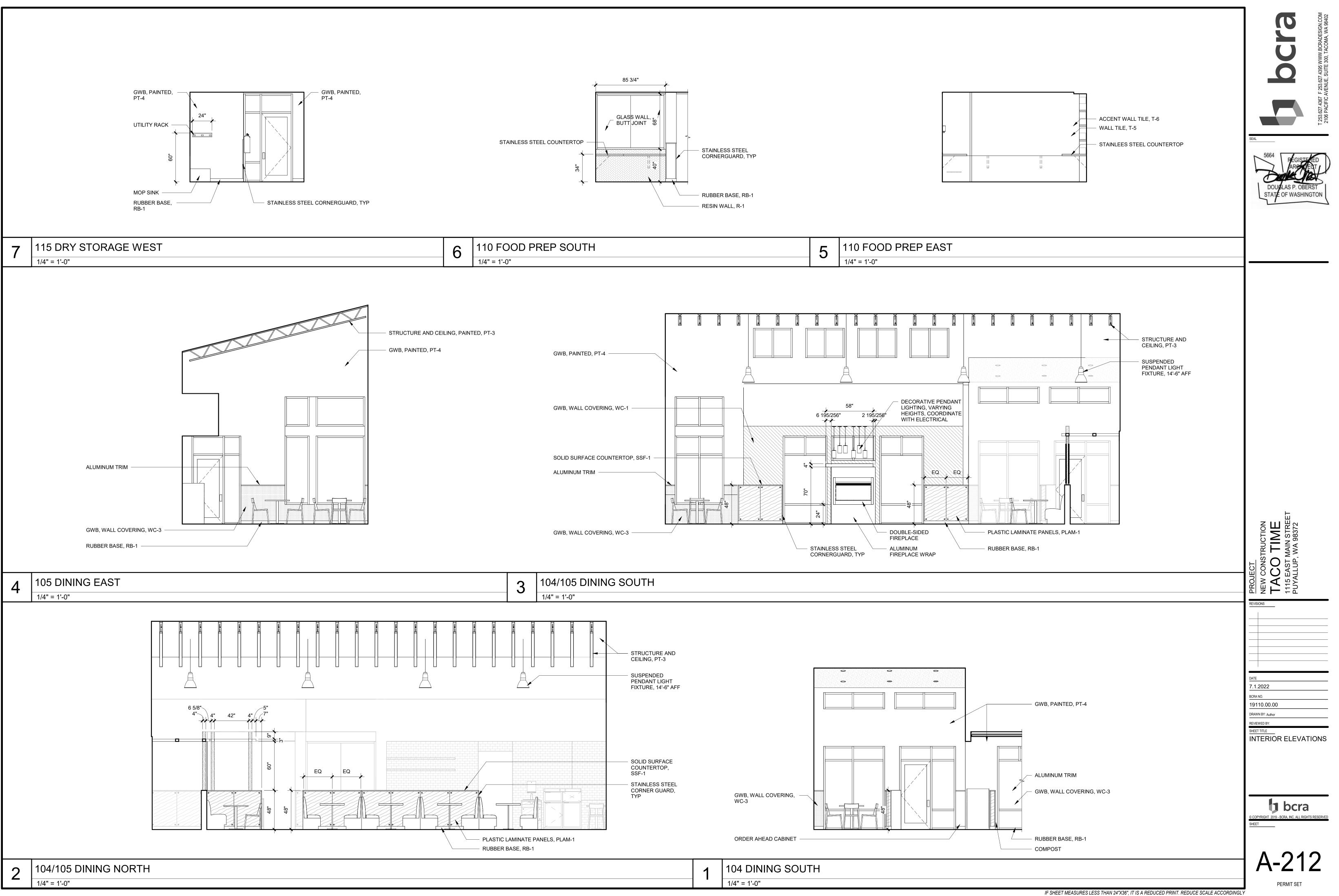
1 bcra

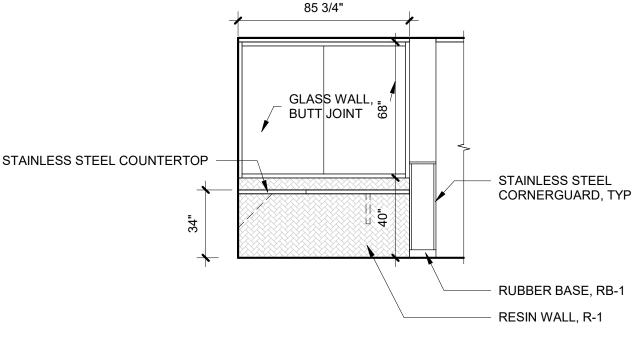
RIGHT 2019 - BCRA, INC. ALL RIGHTS RESE

PERMIT SET



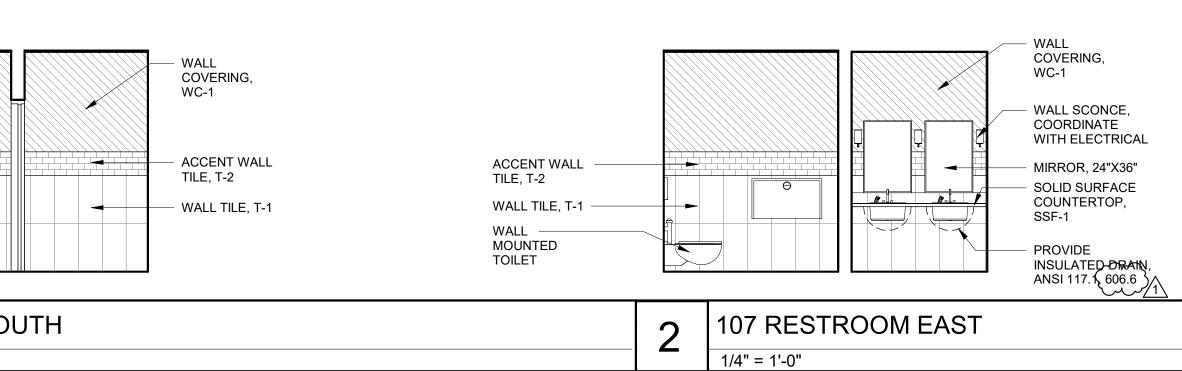




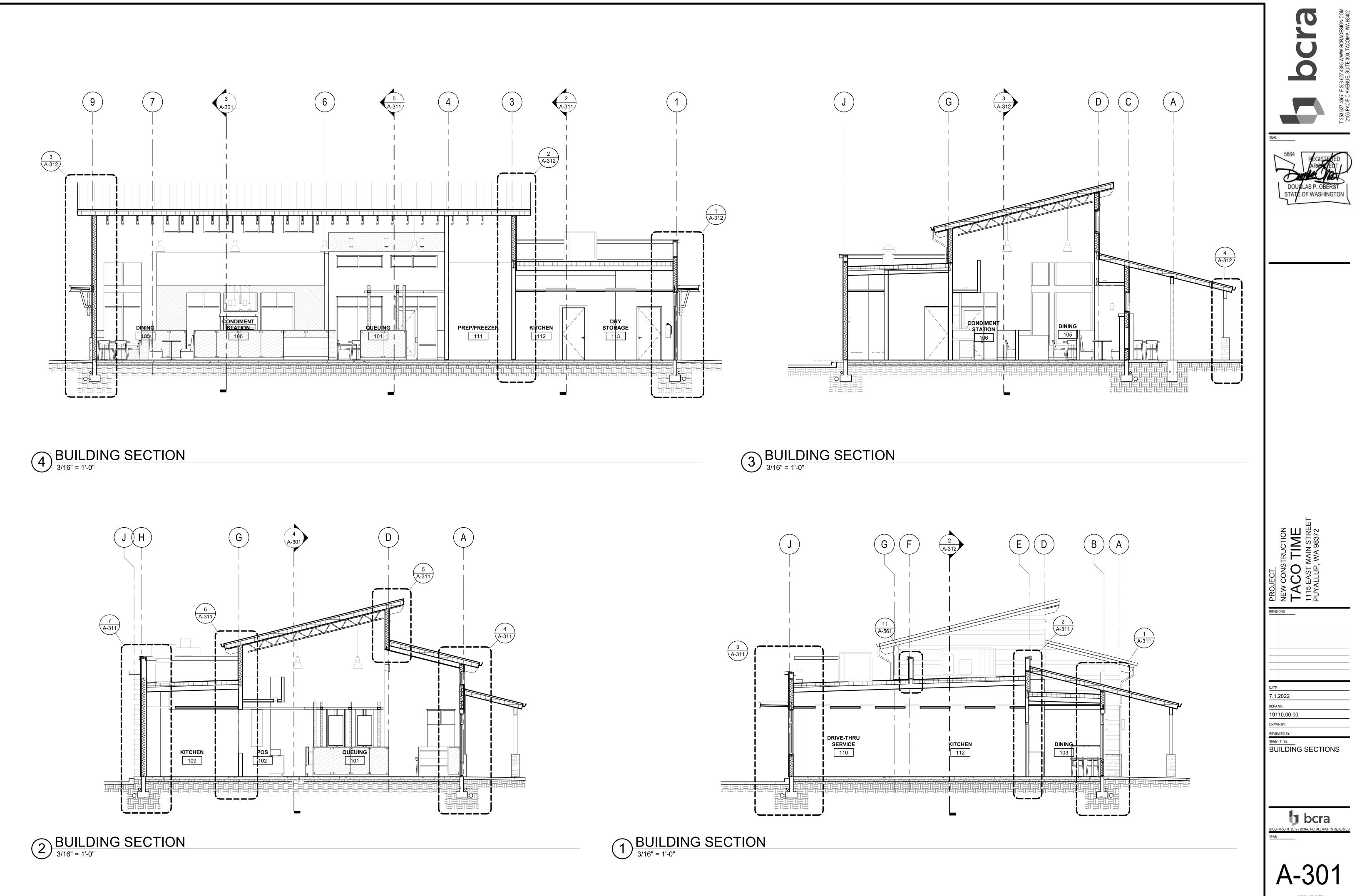


6	110 FOOD PREP SOUTH	5	110 FOOD PREP
•	1/4" = 1'-0"		1/4" = 1'-0"

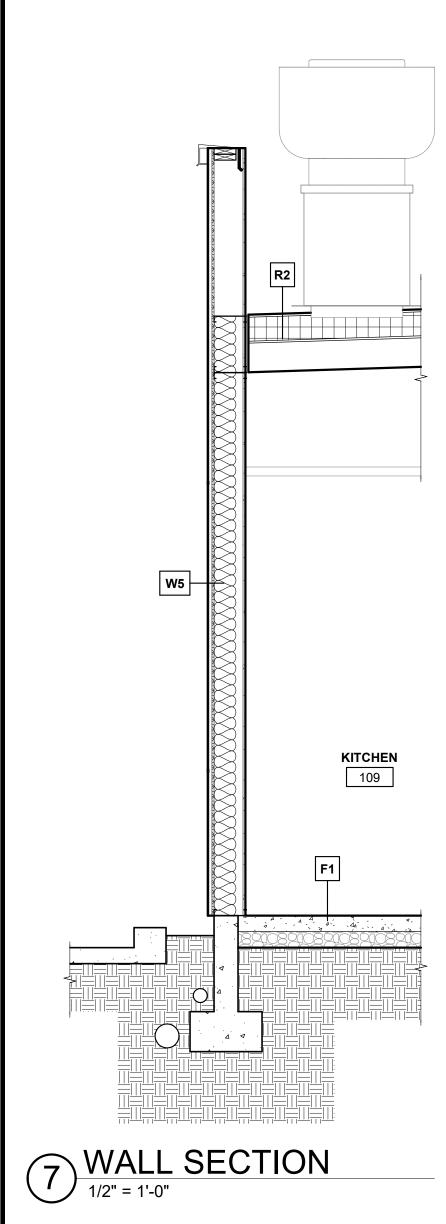
	WALL COVERING, WC-1		
	WC-1		
	ACCENT WALL HAND DRYER COORDINATE WITH ELECTRICAL		
	ACCENT WALL WITH ELECTRICAL		
		<u> </u>	
Λ	107 RESTROOM WEST	3	107 RESTROOM SC
L <u>+</u>	1/4" = 1'-0"	J	1/4" = 1'-0"



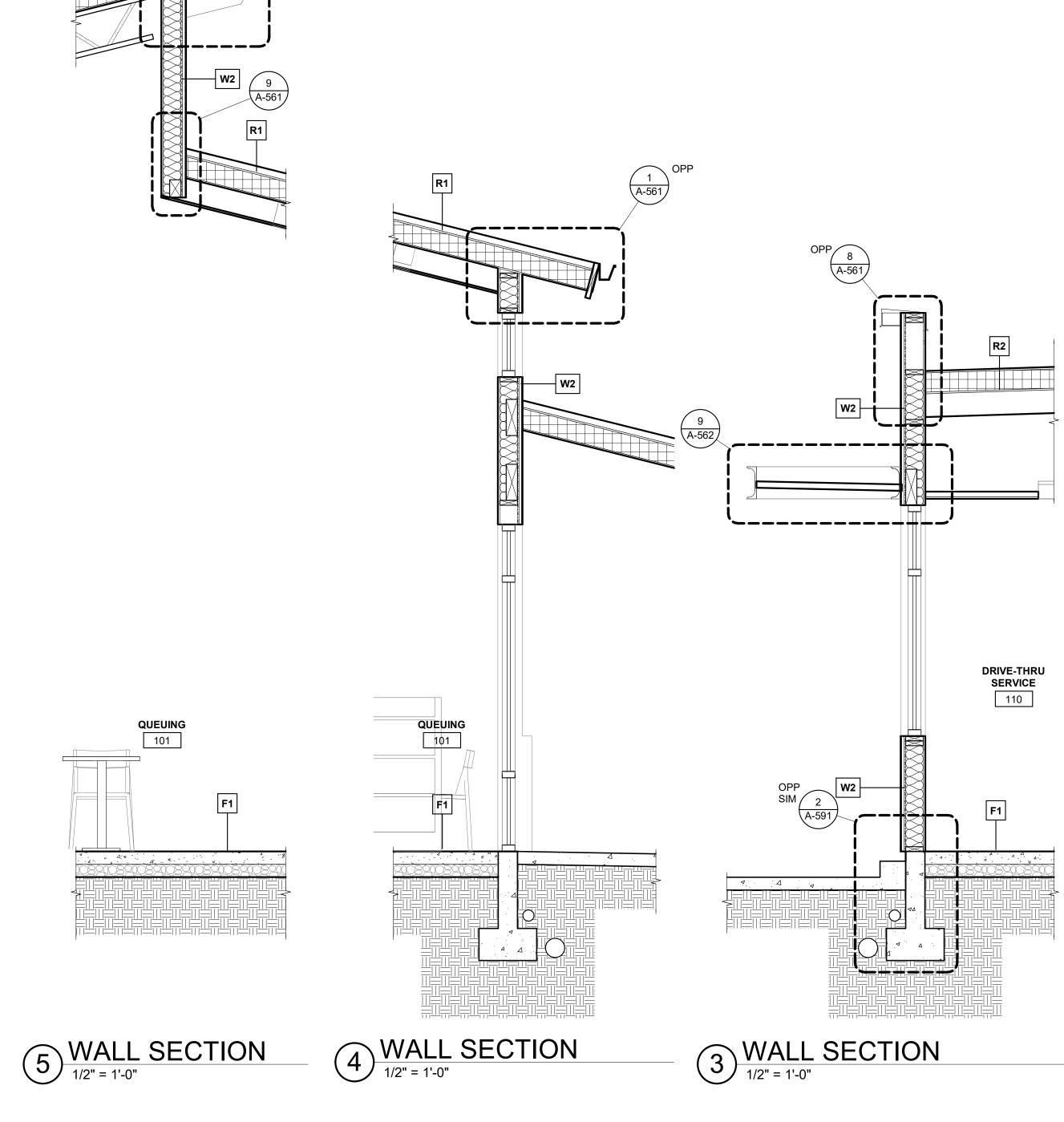
			<section-header><text><text><text></text></text></text></section-header>
			rion AE STREET 3372
			ADDENDUM #1 2023.12.22
WALL COVERING, WC-1 ACCENT WALL TILE, T-2 WALL TILE, T-2 WALL TILE, T-1 WALL TILE, T-1 WALL TILE, T-1 WALL TILE, T-1 WALL MOUNTED TOILET	WALL COVERING, WC-1 WALL SCONCE, COORDINATE WITH ELECTRICAL MIRROR, 24"X36" GRAB BARS, PROVIDE BACKING Solid SurFACE COUNTERTOP, SSF-1 WALL SCONCE, COORDINATE WITH ELECTRICAL MIRROR, 24"X36" GRAB BARS, PROVIDE BACKING BACKING SSF-1 WALL TILE, T- PROVIDE INSULATED PRAN, ANSI 117. 606.6 107 RESTROOM EAST 1/4" = 1'-0"	WALL COVERING, WC-1 TOILET PAPER DISPENSER ACCENT WALL TILE, T-2 SANITARY NAPKIN	REVIEWED BY: SHEET TITLE INTERIOR ELEVATIONS UNDERING BACKARING ALL RIGHTS RESERVED SHEET AA-213 PERMIT SET

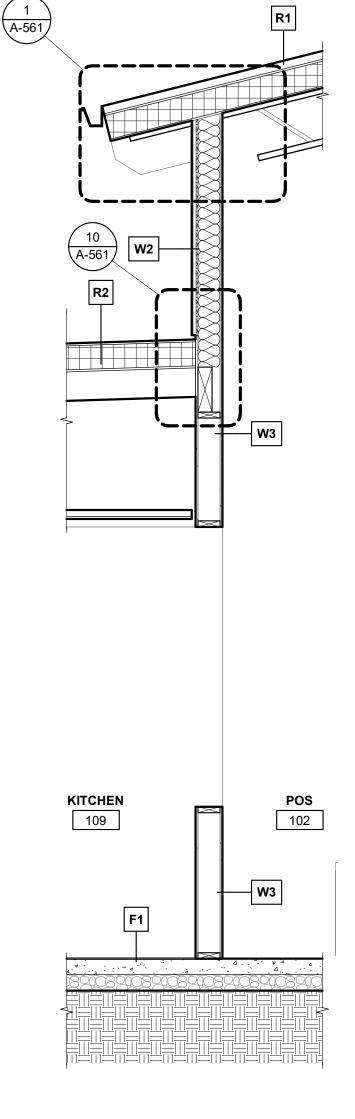


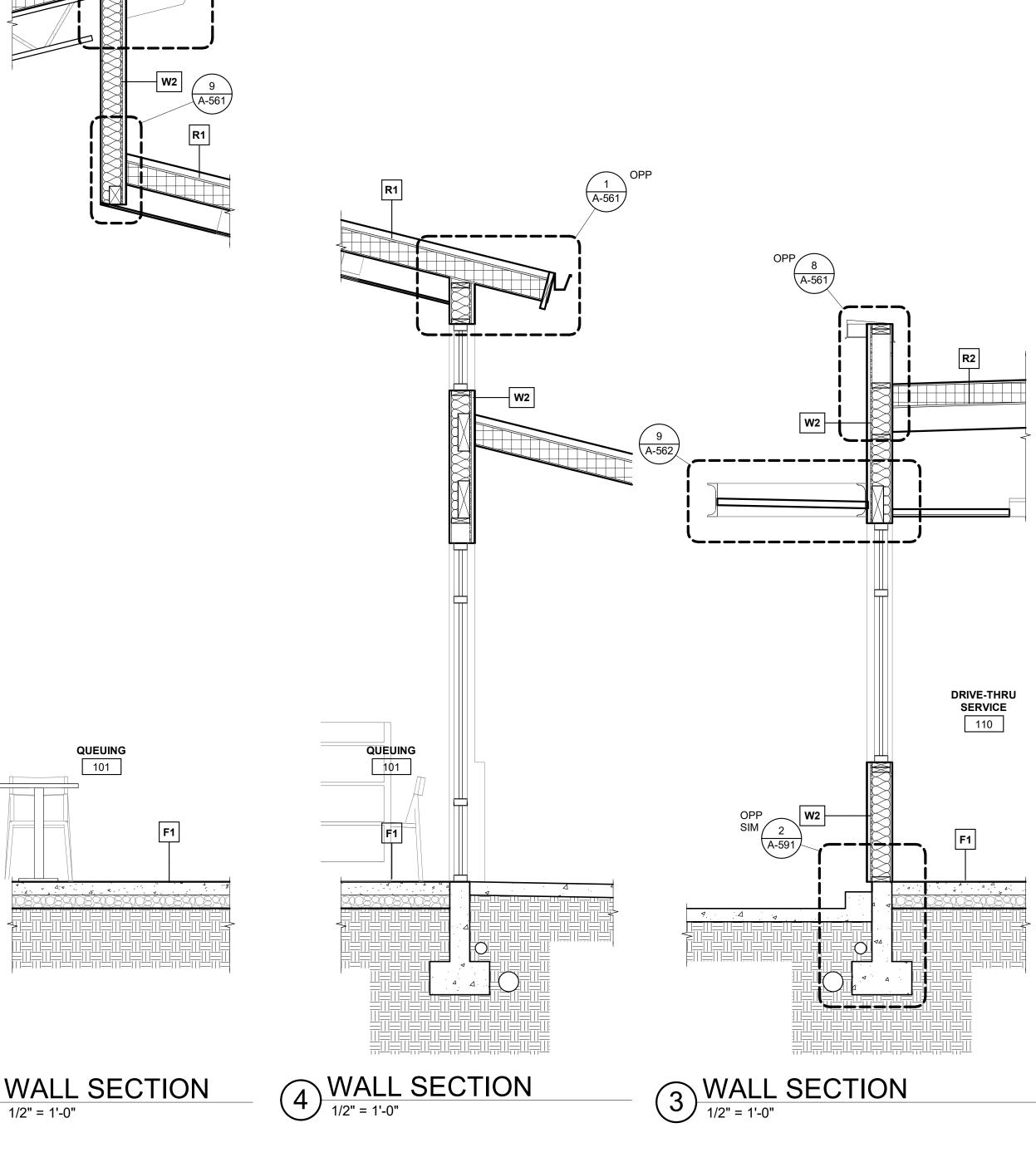






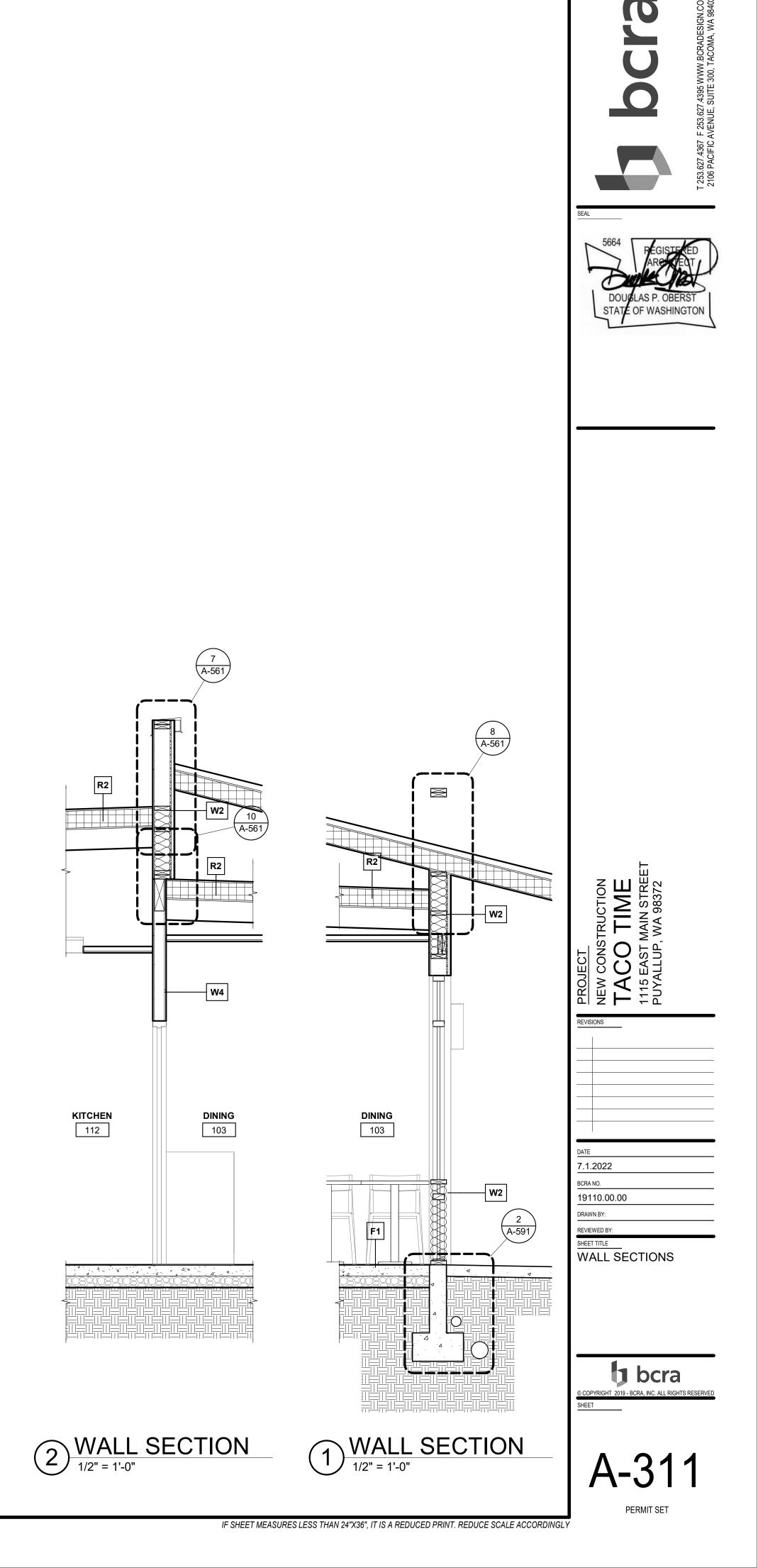


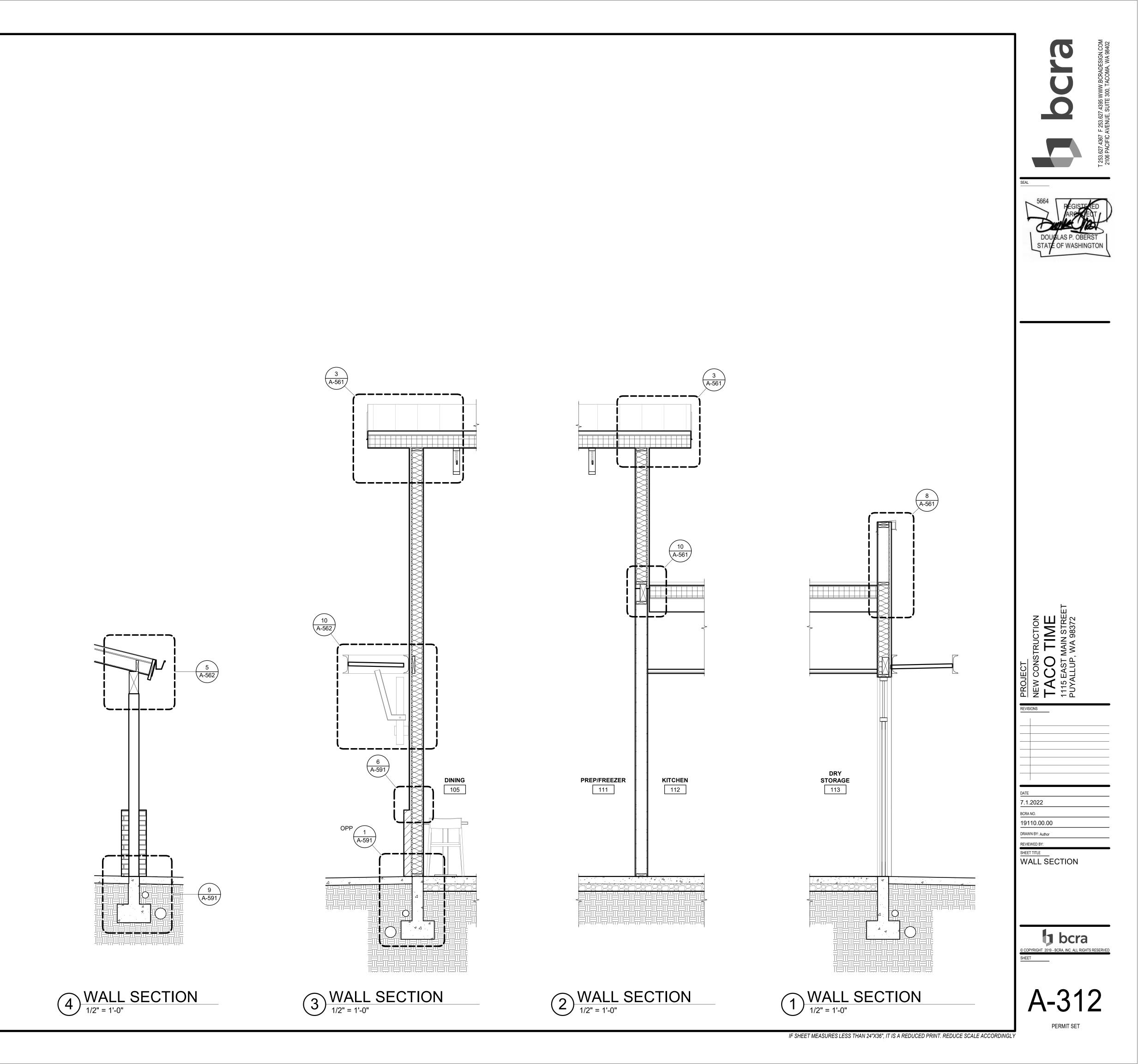


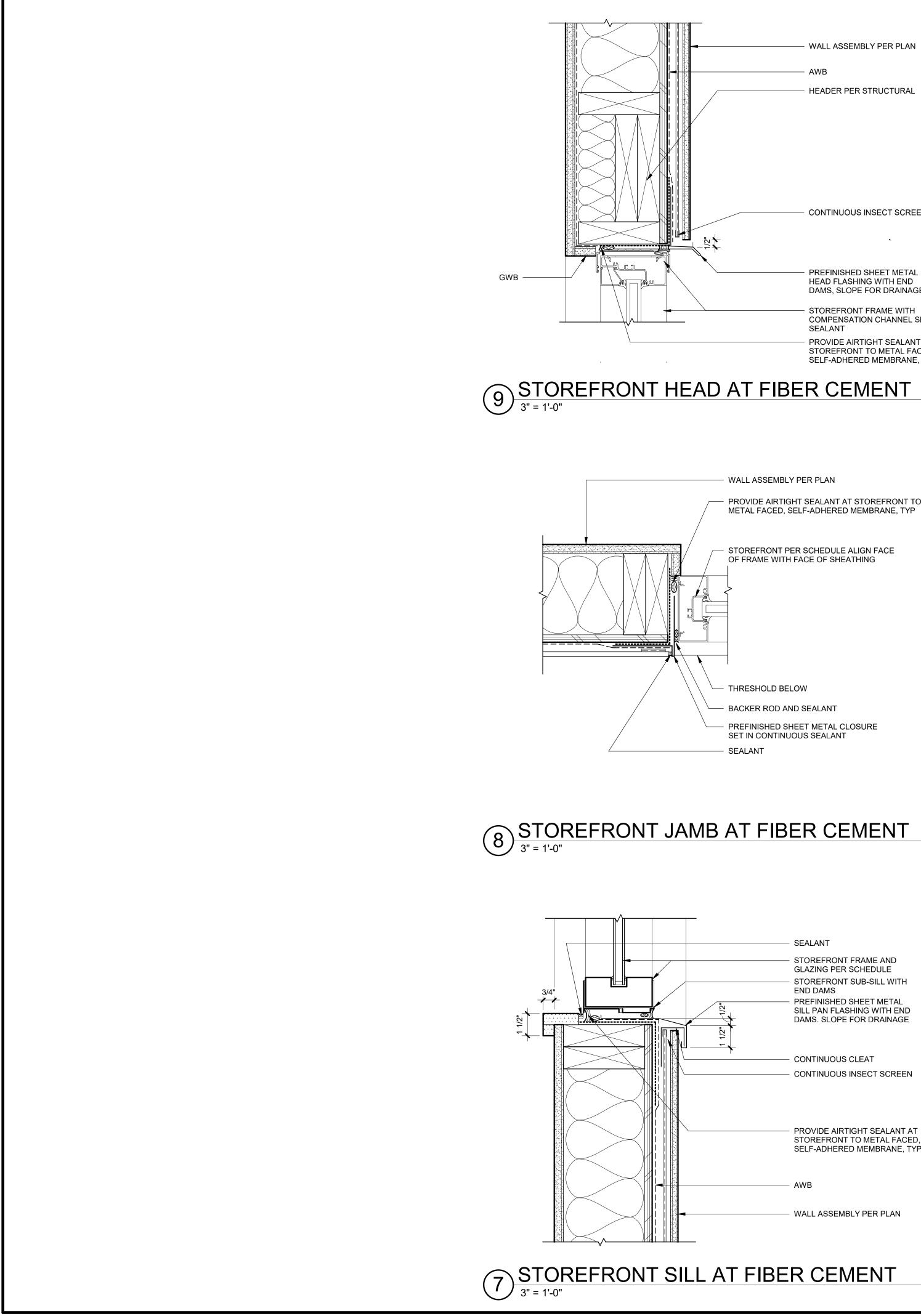




(A-561)







WALL ASSEMBLY PER PLAN

AWB

PROVIDE AIRTIGHT SEALANT AT STOREFRONT TO METAL FACED, SELF-ADHERED MEMBRANE, TYP

CONTINUOUS CLEAT CONTINUOUS INSECT SCREEN

STOREFRONT FRAME AND GLAZING PER SCHEDULE STOREFRONT SUB-SILL WITH END DAMS PREFINISHED SHEET METAL

//@____ -4 STOREFRONT SILL AT LAP SIDING

11

WALL ASSEMBLY PER PLAN

SELF-ADHERED MEMBRANE, TYP

PROVIDE AIRTIGHT SEALANT AT STOREFRONT TO METAL FACED,

- CONTINUOUS INSECT SCREEN

SEALANT

END DAMS

STOREFRONT FRAME AND

GLAZING PER SCHEDULE

STOREFRONT SUB-SILL WITH

PREFINISHED SHEET METAL

SILL PAN FLASHING WITH END

DAMS. SLOPE FOR DRAINAGE

CONTINUOUS CLEAT

AWB

SEALANT SILL PAN FLASHING WITH END DAMS. SLOPE FOR DRAINAGE

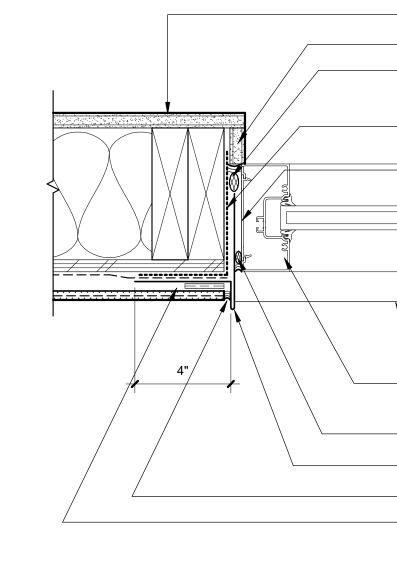
5 STOREFRONT JAMB AT LAP SIDING

THRESHOLD BELOW - BACKER ROD AND SEALANT - PREFINISHED SHEET METAL CLOSURE SET IN CONTINUOUS SEALANT - SEALANT

STOREFRONT PER SCHEDULE ALIGN FACE OF FRAME WITH FACE OF SHEATHING

PROVIDE AIRTIGHT SEALANT AT STOREFRONT TO METAL FACED, SELF-ADHERED MEMBRANE, TYP

WALL ASSEMBLY PER PLAN



THRESHOLD BELOW STOREFRONT PER SCHEDULE ALIGN FACE OF FRAME WITH FACE OF SHEATHING BACKER ROD AND SEALANT, TYP, EA. SIDE PREFINISHED SHEET METAL JAMB FLASHING SEALANT MATCH DEPTH RELATIVE TO FRAMING AS VERTICAL FLASHING

6 STOREFRONT HEAD AT LAP SIDING

PREFINISHED SHEET METAL HEAD FLASHING WITH END DAMS, SLOPE FOR DRAINAGE STOREFRONT FRAME WITH COMPENSATION CHANNEL SET IN SEALANT PROVIDE AIRTIGHT SEALANT AT

STOREFRONT TO METAL FACED, SELF-ADHERED MEMBRANE, TYP

CONTINUOUS INSECT SCREEN

HEADER PER STRUCTURAL

AWB

WALL ASSEMBLY PER PLAN

PREFINISHED SHEET METAL HEAD FLASHING, SLOPE FOR DRAINAGE STOREFRONT FRAME WITH CONTINUOUS SEALANT STOREFRONT, TYP

WALL ASSEMBLY PER PLAN

PROVIDE AIRTIGHT SEALANT AT

STOREFRONT TO METAL FACED,

SELF-ADHERED MEMBRANE, TYP

MEMBRANE FULL PERIMETER OF

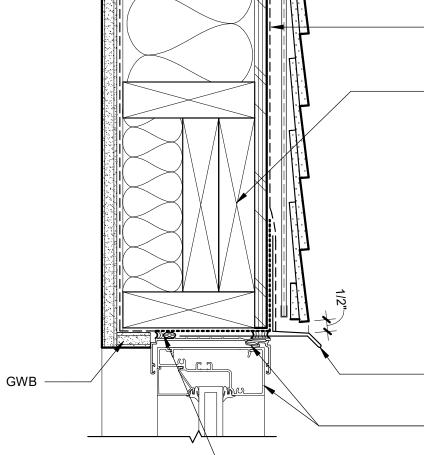
STOREFRONT JAMB FILLER

WRAP METAL FACED SELF-ADHERED

GYPSUM BOARD

OPENING, TYPICAL

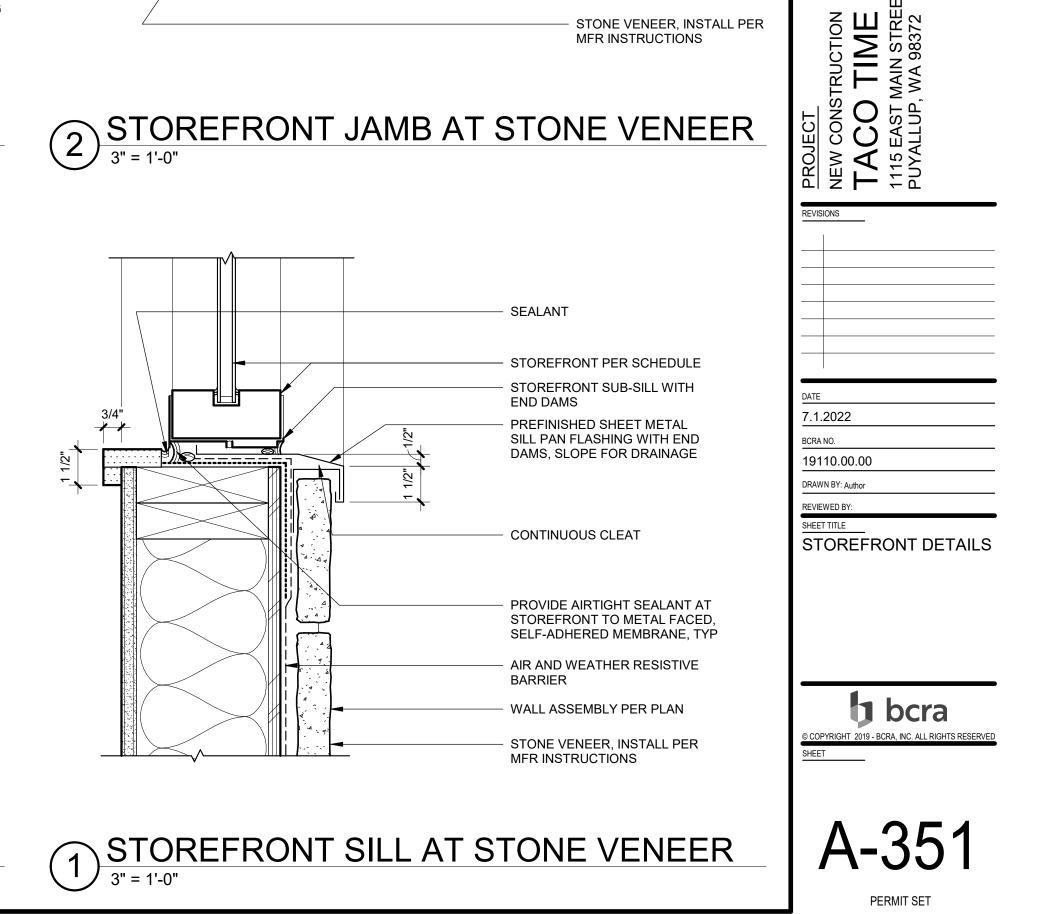
COMPENSATION CHANNEL SET IN PROVIDE AIRTIGHT SEALANT AT



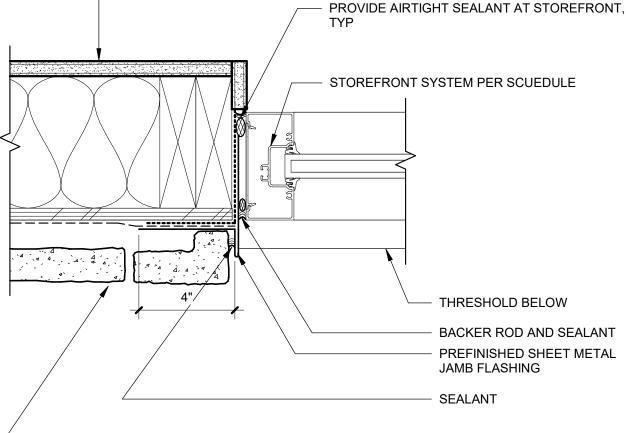
AWB

WALL ASSEMBLY PER PLAN

HEADER PER STRUCTURAL

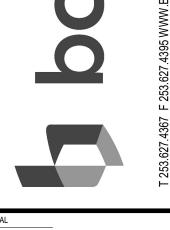


IF SHEET MEASURES LESS THAN 24"X36", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY



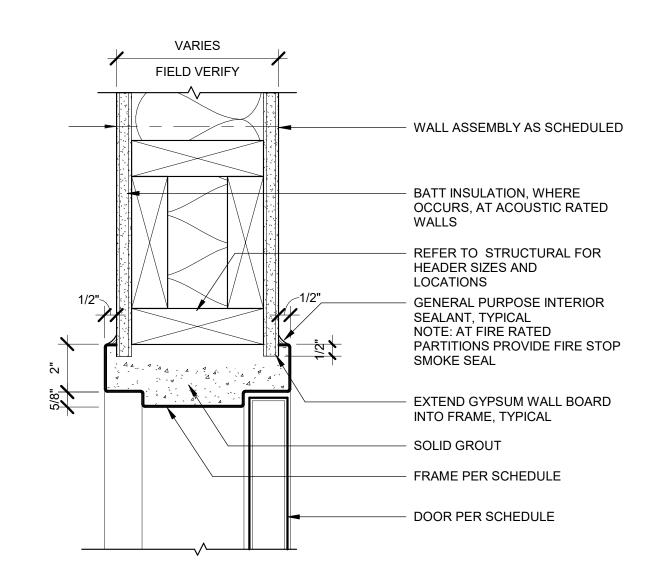
WALL ASSEMBLY PER PLAN



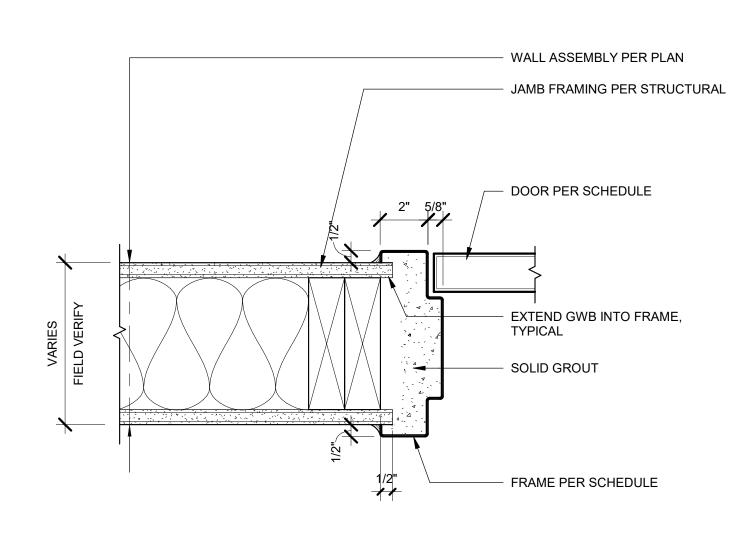


0

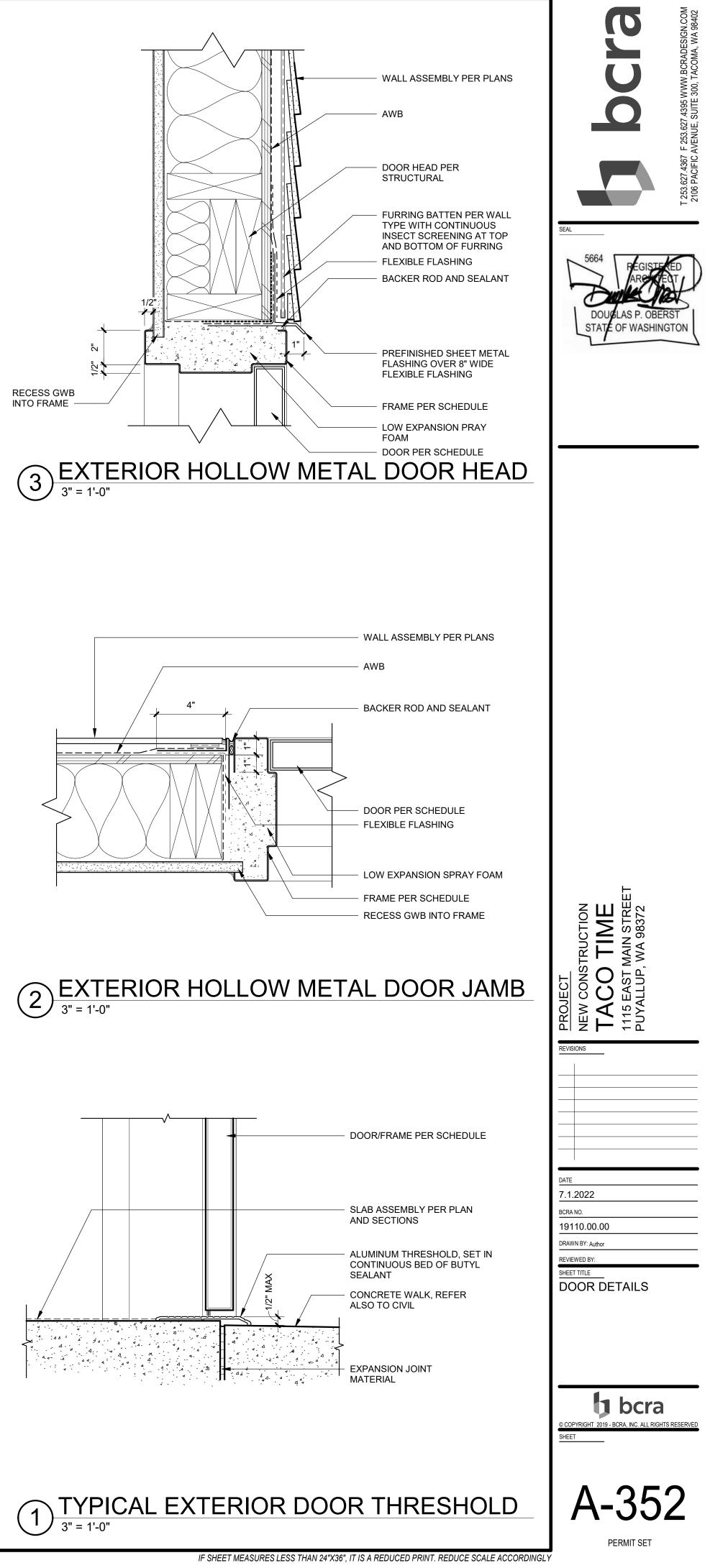
4x36 12/22/2023 9:30:05 /



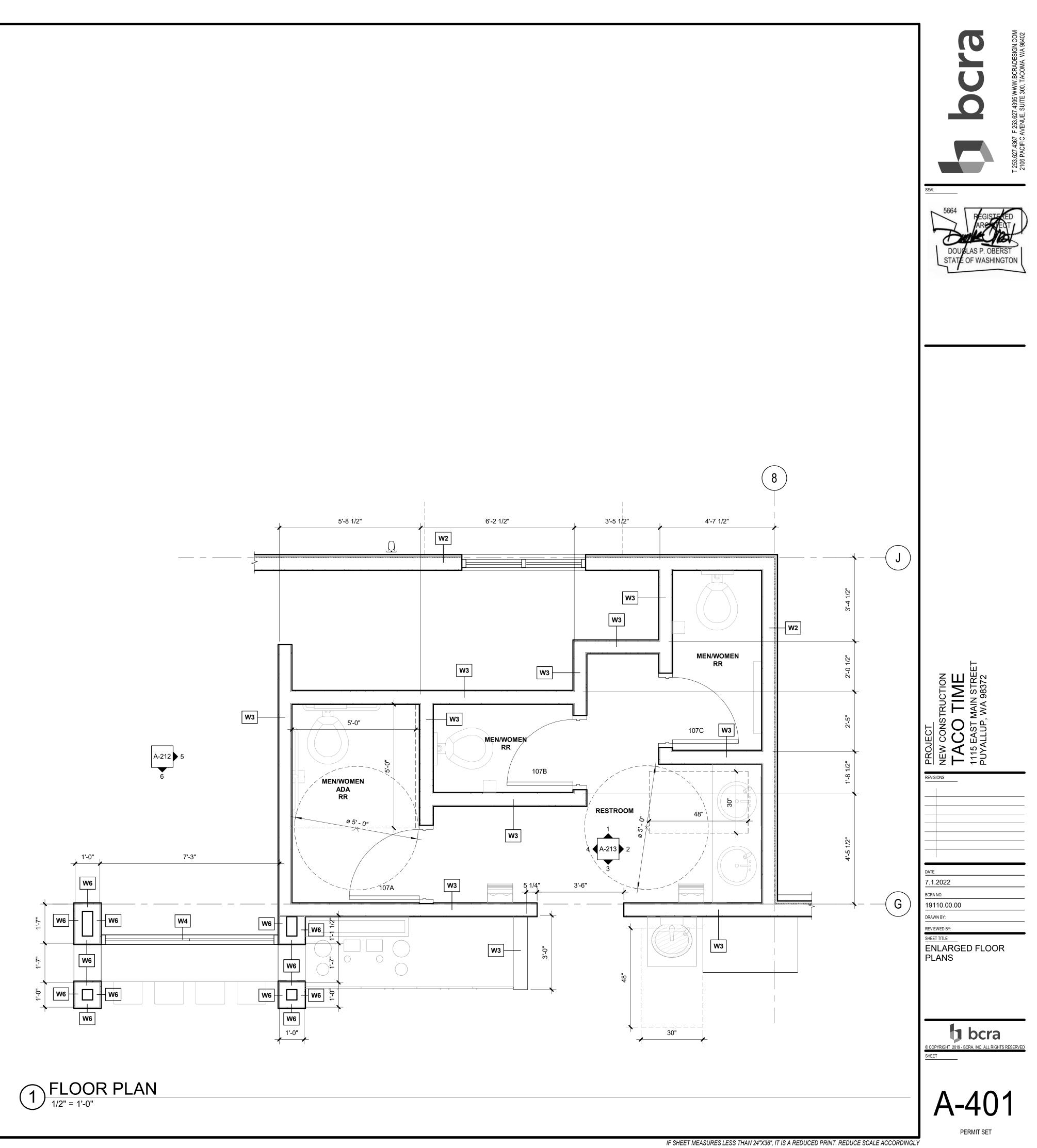
6 INTERIOR DOOR HEAD

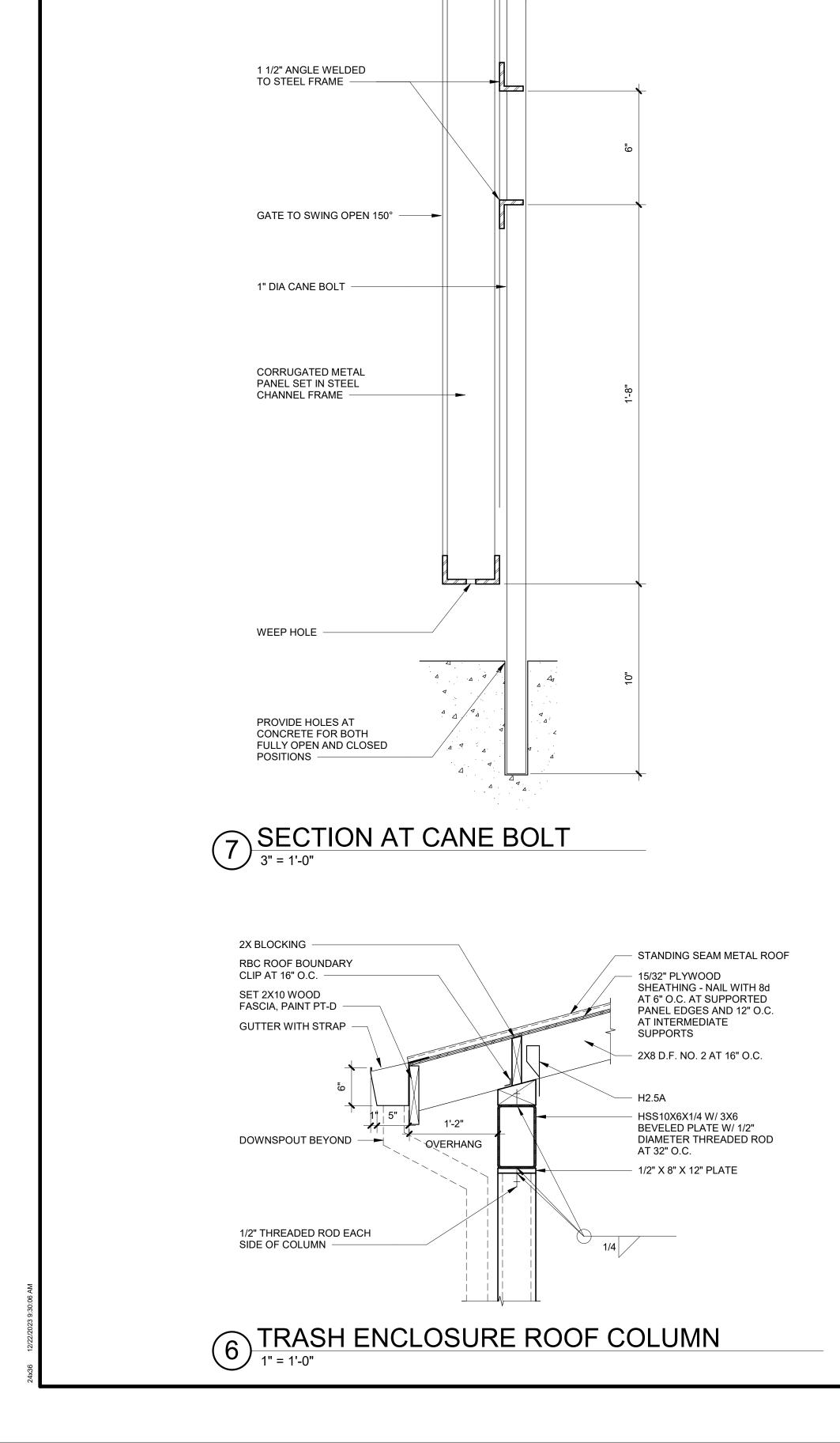


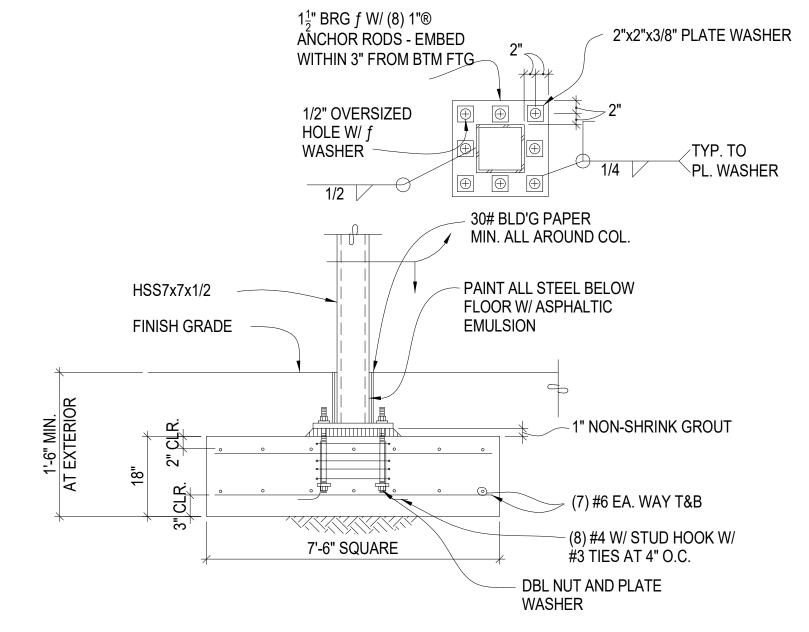




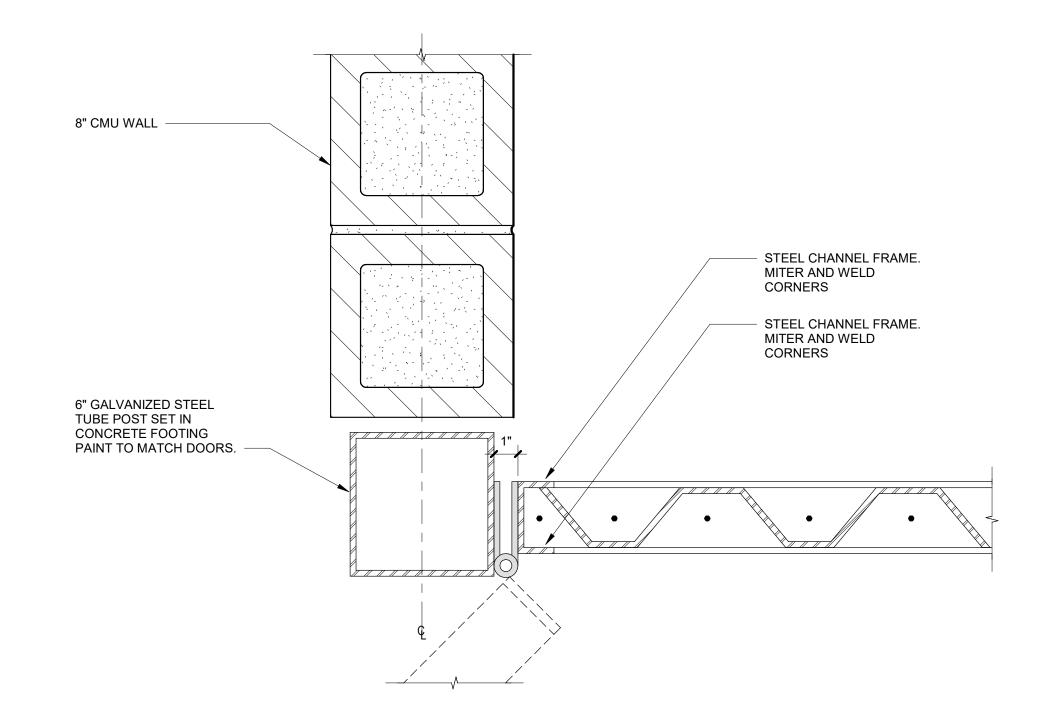




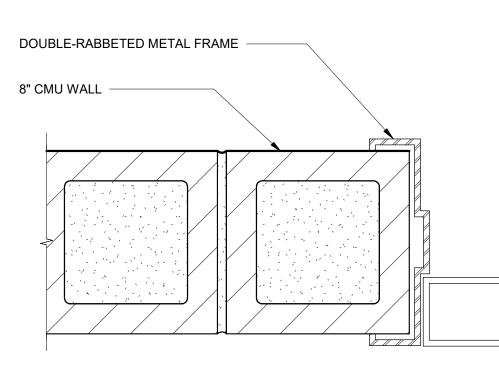




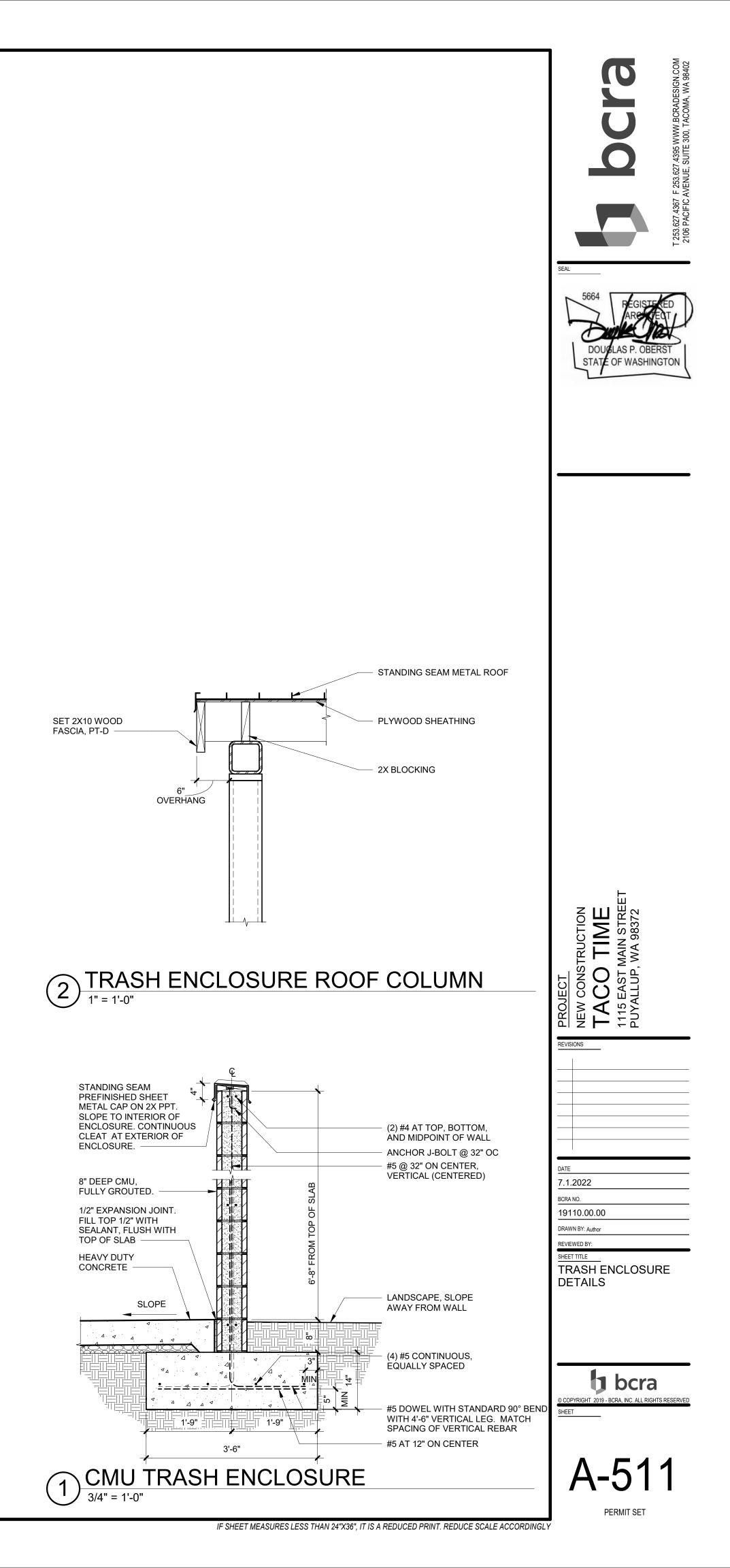
5 TYPICAL STEEL COLUMN ON SPREAD FOOTING



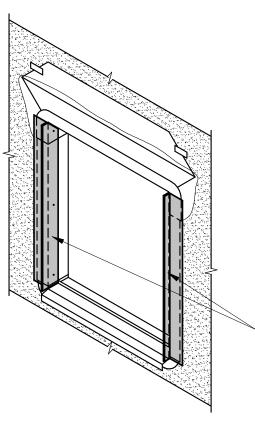




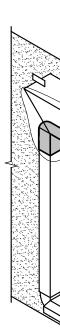








<u>STEP 9</u>

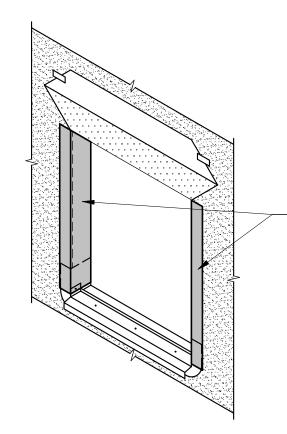


<u>STEP 8</u>

<u>STEP 7</u>

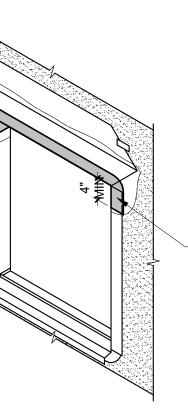
(CONFIRM JAMB FLASHINGS WITH PROJECT DESIGN INTENT)

 PRE-FINISHED SHEET
 METAL JAMB FLASHING
 EACH SIDE SET IN CONTINUOUS, FRESH BEAD OF SEALANT

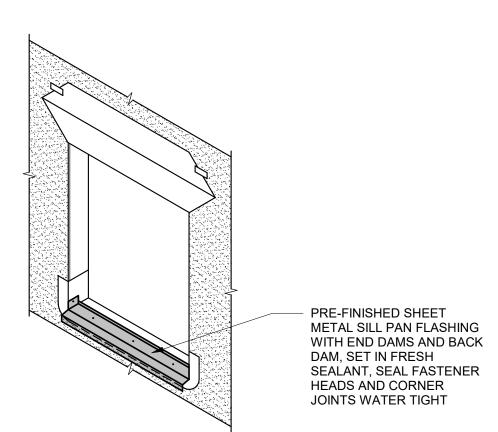


WRAP SELF-ADHERED FLASHING INTO ROUGH OPENING AT JAMBS FULL HEIGHT OF JAMB. ROLL DOWN TIGHT TO ACHIEVE PROPER ADHESION USING A 2-HANDED ROLLER AND HEAVY PRESSURE

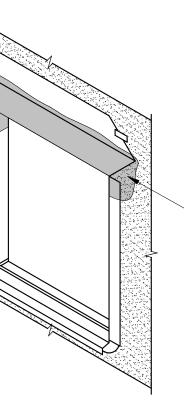
<u>STEP 6</u>



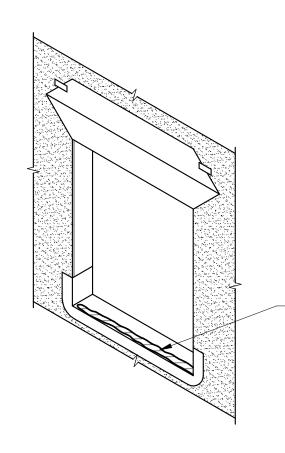
- INSTALL SELF-ADHERED FLASHING AT HEAD, ROLL DOWN TIGHT TO ACHIEVE PROPER ADHESION USING A 2-HANDED ROLLER AND HEAVY PRESSURE

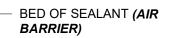


<u>STEP 5</u>

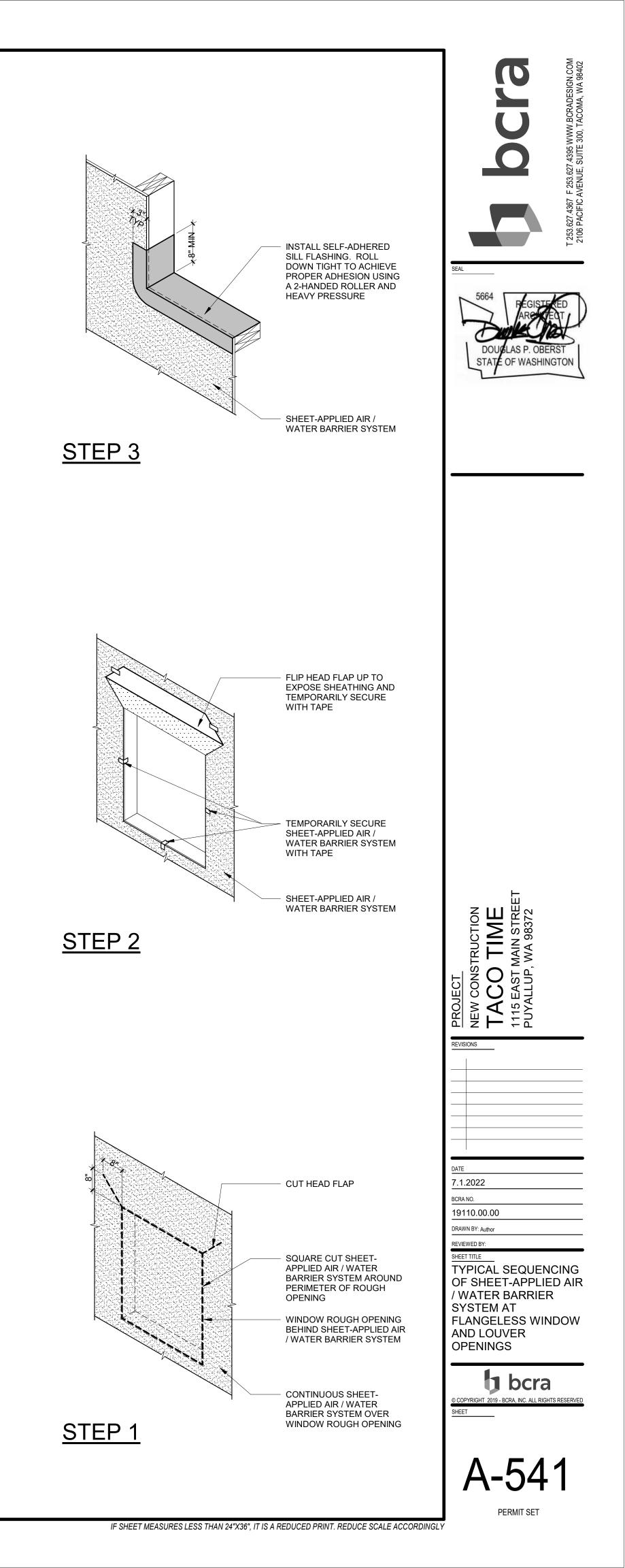


APPLY MANUFACTURER
 RECOMMENDED PRIMER
 TO THE TOP OF JAMB
 FLASHING AND EXPOSED
 SHEATHING

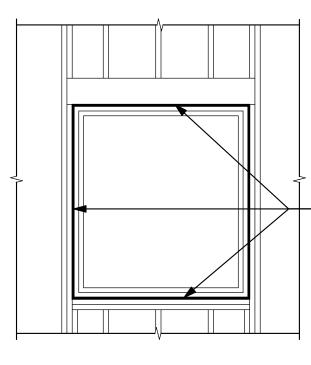




<u>STEP 4</u>

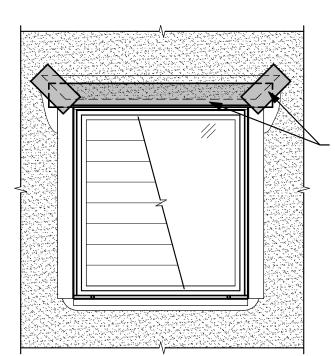


4x36 12/22/2023 9:30:07 /



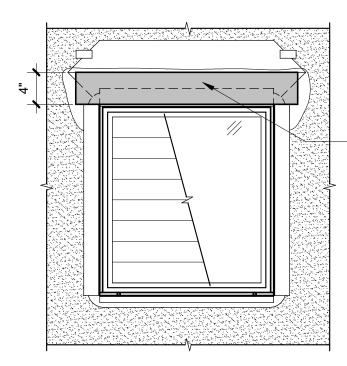
 INSTALL CONTINUOUS BACKER ROD AND SEALANT AT HEAD, JAMBS, AND SILL (INTERIOR SECONDARY SEALANT JOINT, AIR BARRIER)

STEP 14 - INTERIOR VIEW



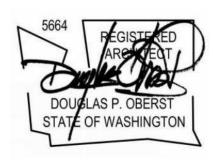
 FLIP HEAD FLAP DOWN AND TRIM 1" - 2" ABOVE WINDOW OPENING, TERMINATE FLAP ALONG THE TOP OF WINDOW WITH TAPE; TAPE DIAGONAL CUTS WITH SELF-ADHERED FLASHING AND ROLL DOWN TIGHT TO ACHIEVE PROPER ADHESION USING A 2-HANDED ROLLER AND HEAVY PRESSURE

<u>STEP 13</u>

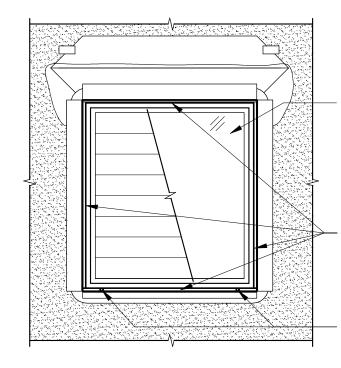


INSTALL SELF-ADHERED
 FLASHING OVER PRE FINISHED SHEET METAL
 HEAD FLASHING (AIR
 BARRIER)





<u>STEP 12</u>



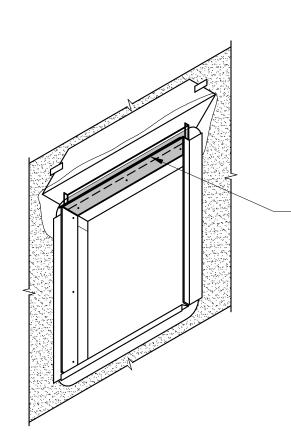
WINDOW / LOUVER
 INSTALLED PLUMB AND
 LEVEL; SHIM AND FASTEN
 PER MANUFACTURER'S
 RECOMMENDATION

 BACKER ROD AND SEALANT AT HEAD, JAMBS, AND SILL (EXTERIOR PRIMARY SEALANT JOINT)

WEEP HOLES IN SILL
 SEALANT PER
 MANUFACTURER'S
 RECOMMENDATION

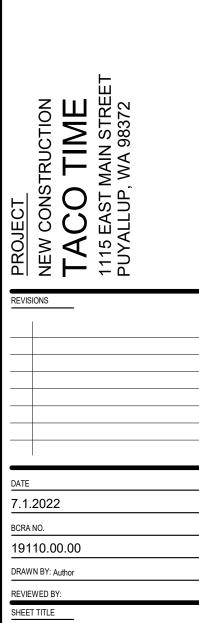
<u>STEP 11</u>

<u>STEP 10</u>



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

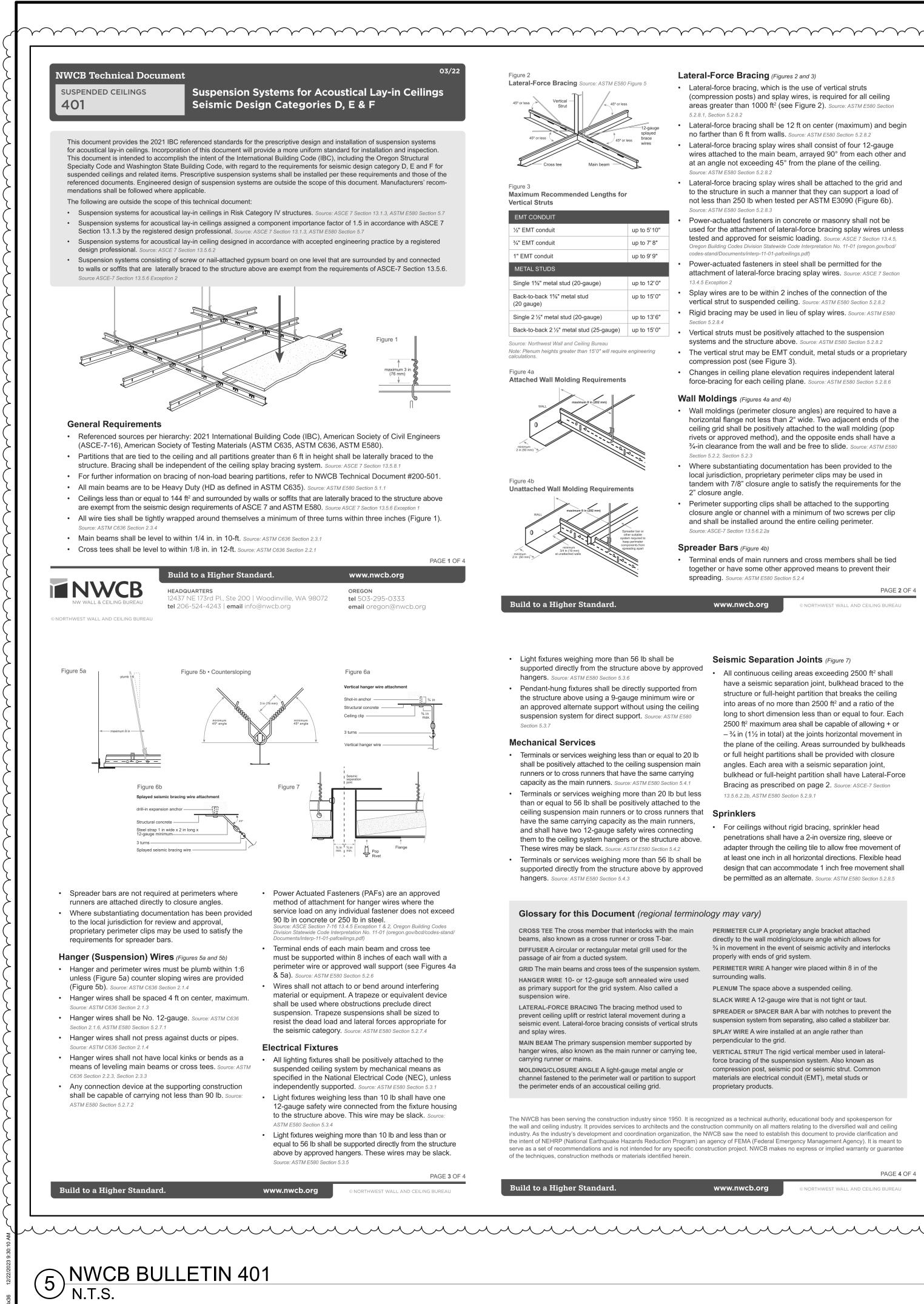
IF SHEET MEASURES LESS THAN 24"X36", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

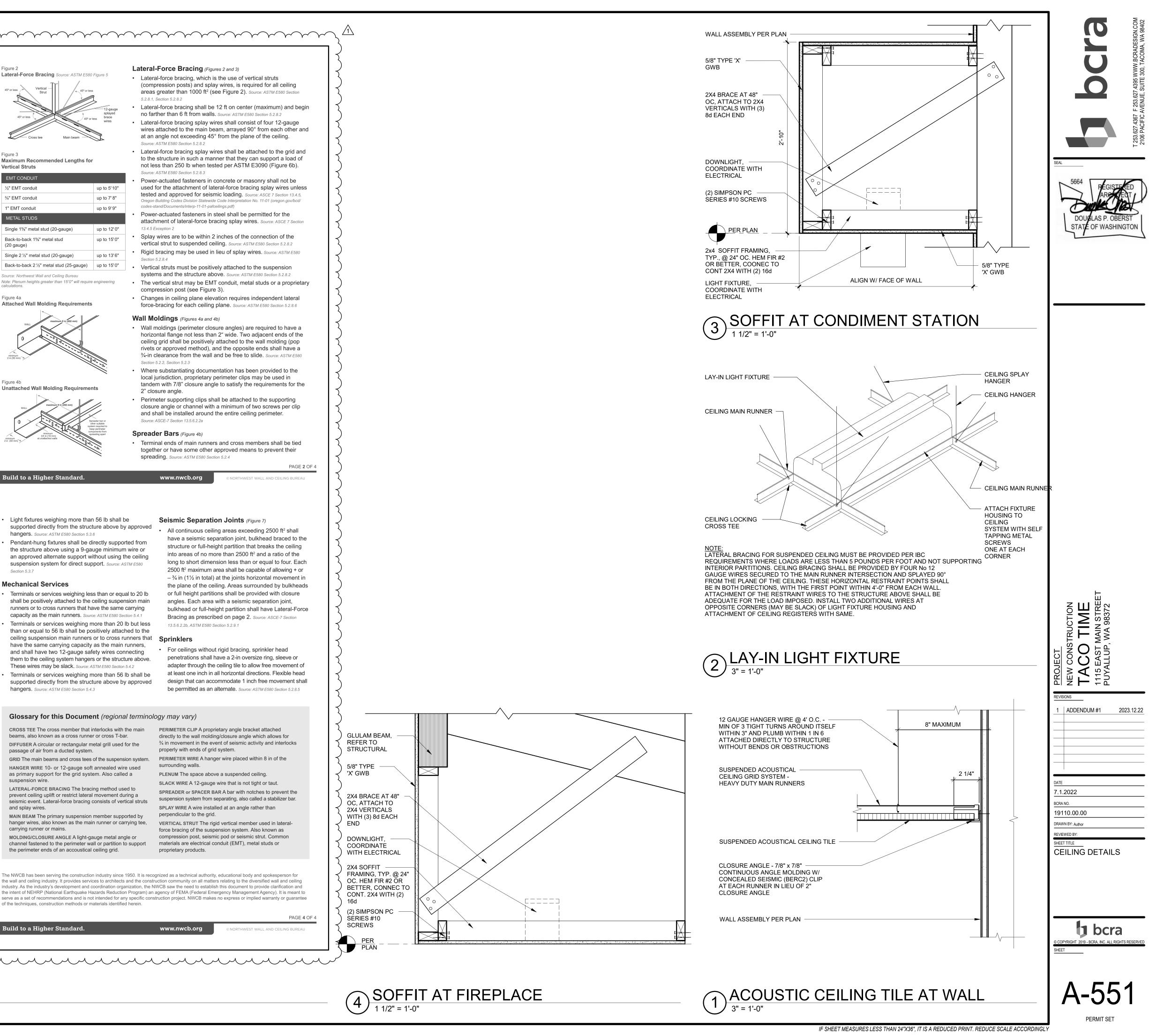


REVIEWED BY: SHEET TITLE TYPICAL SEQUENCING OF SHEET-APPLIED AIR / WATER BARRIER SYSTEM AT FLANGELESS WINDOW AND LOUVER OPENINGS

PYRIGHT 2019 - BCRA, INC. ALL RIGHTS RESERVE







Spreader Bars (Figure 4b) 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

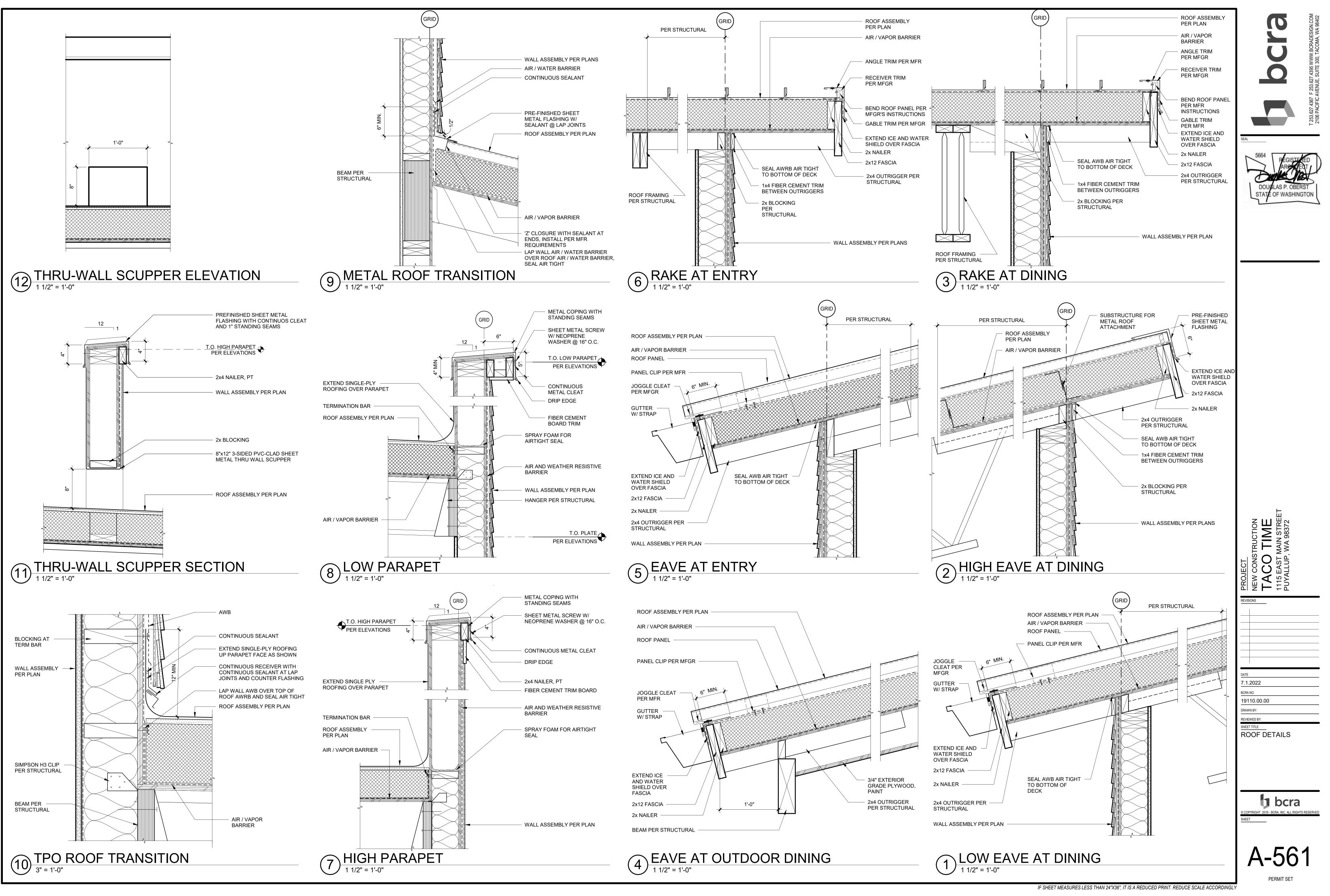
- force-bracing for each ceiling plane. Source: ASTM E580 Section 5.2.8.6 Wall Moldings (Figures 4a and 4b) Wall moldings (perimeter closure angles) are required to have a horizontal flange not less than 2" wide. Two adjacent ends of the ceiling grid shall be positively attached to the wall molding (pop
- 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).
- 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
- 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
- codes-stand/Documents/interp-11-01-pafceilings.pdf)
- Oregon Building Codes Division Statewide Code Interpretation No. 11-01 (oregon.gov/bcd/
- Power-actuated fasteners in concrete or masonry shall not be
- Source: ASTM E580 Section 5.2.8.3
- not less than 250 lb when tested per ASTM E3090 (Figure 6b).
- to the structure in such a manner that they can support a load of

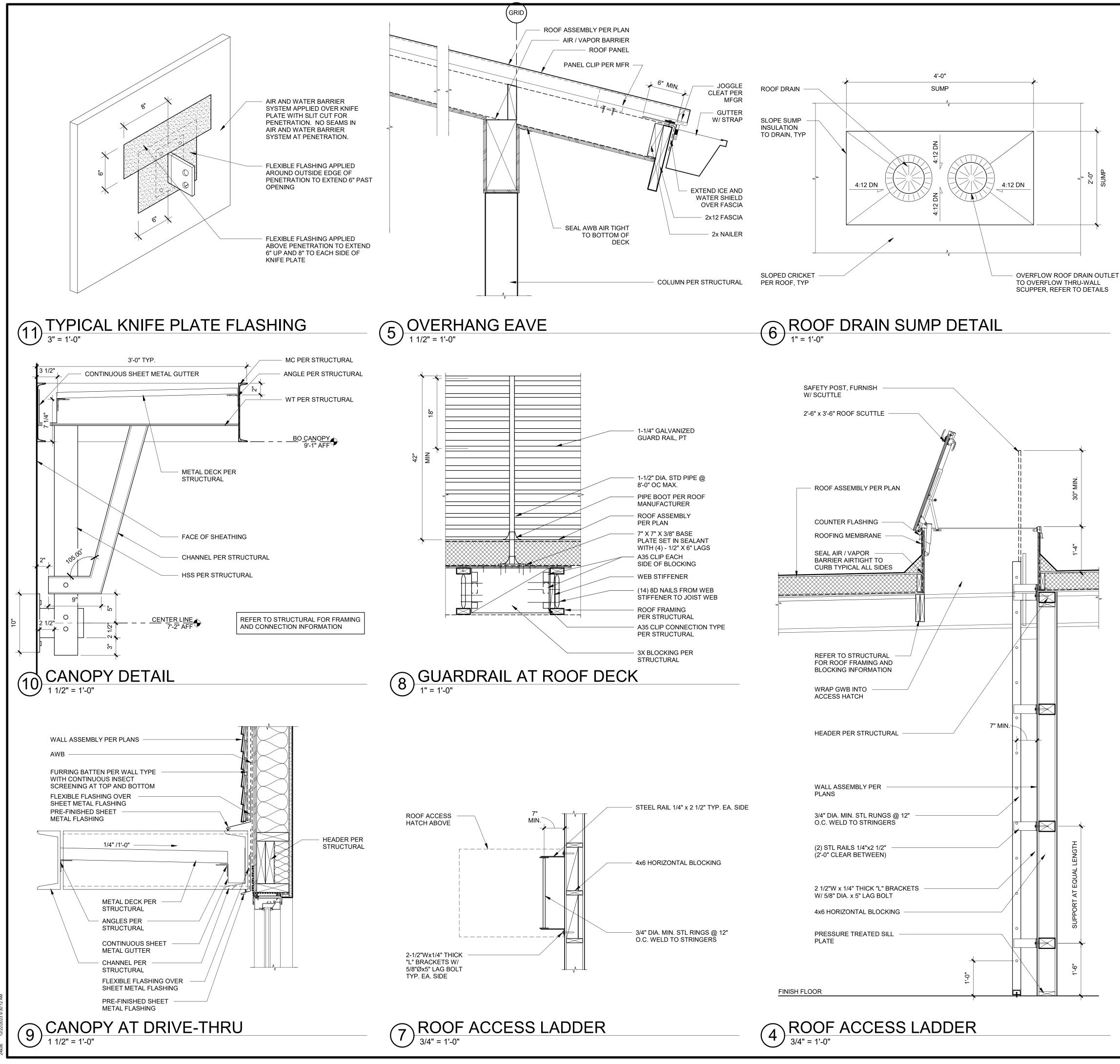
- Lateral-force bracing splay wires shall be attached to the grid and

- Source: ASTM E580 Section 5.2.8.2

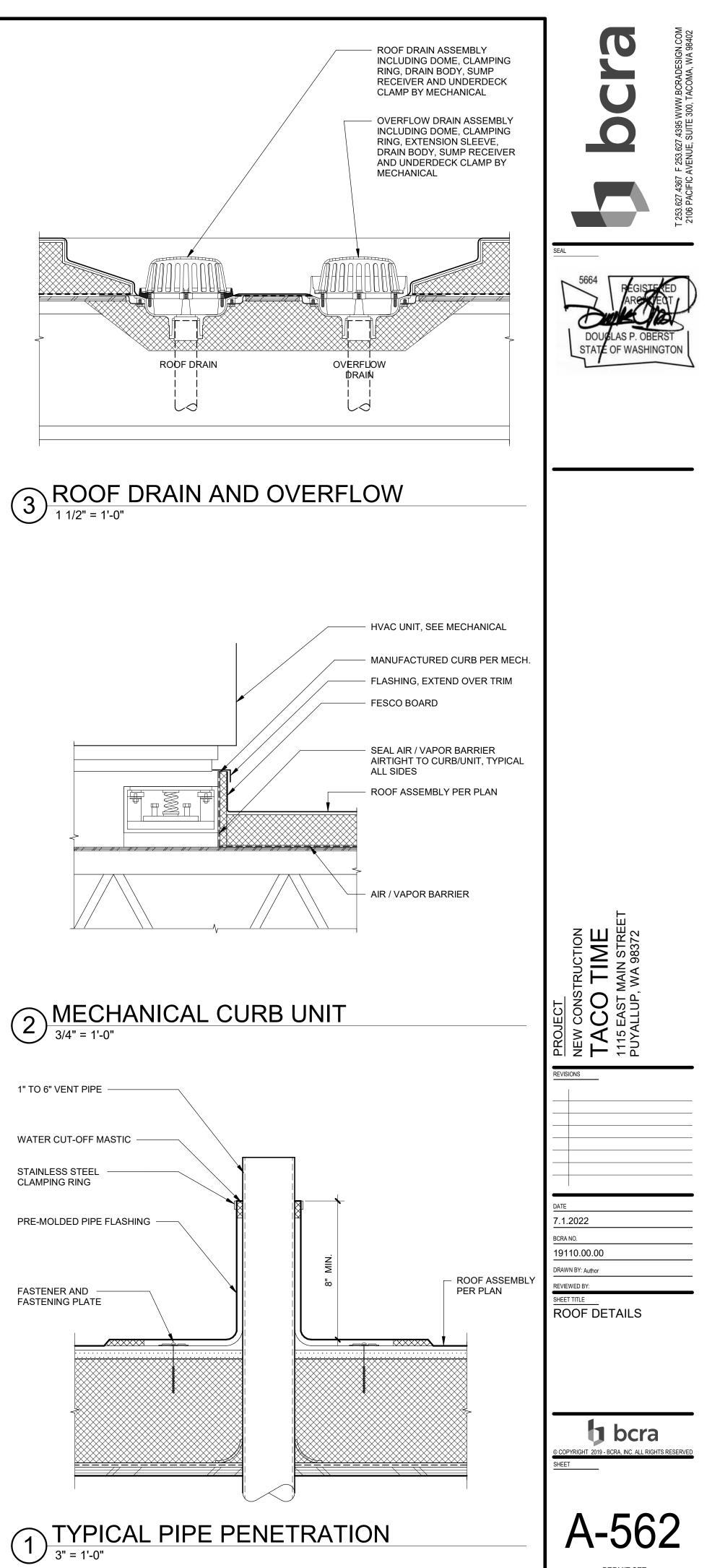
- Lateral-force bracing splay wires shall consist of four 12-gauge wires attached to the main beam, arrayed 90° from each other and at an angle not exceeding 45° from the plane of the ceiling.

- used for the attachment of lateral-force bracing splay wires unless tested and approved for seismic loading. Source: ASCE 7 Section 13.4.5,



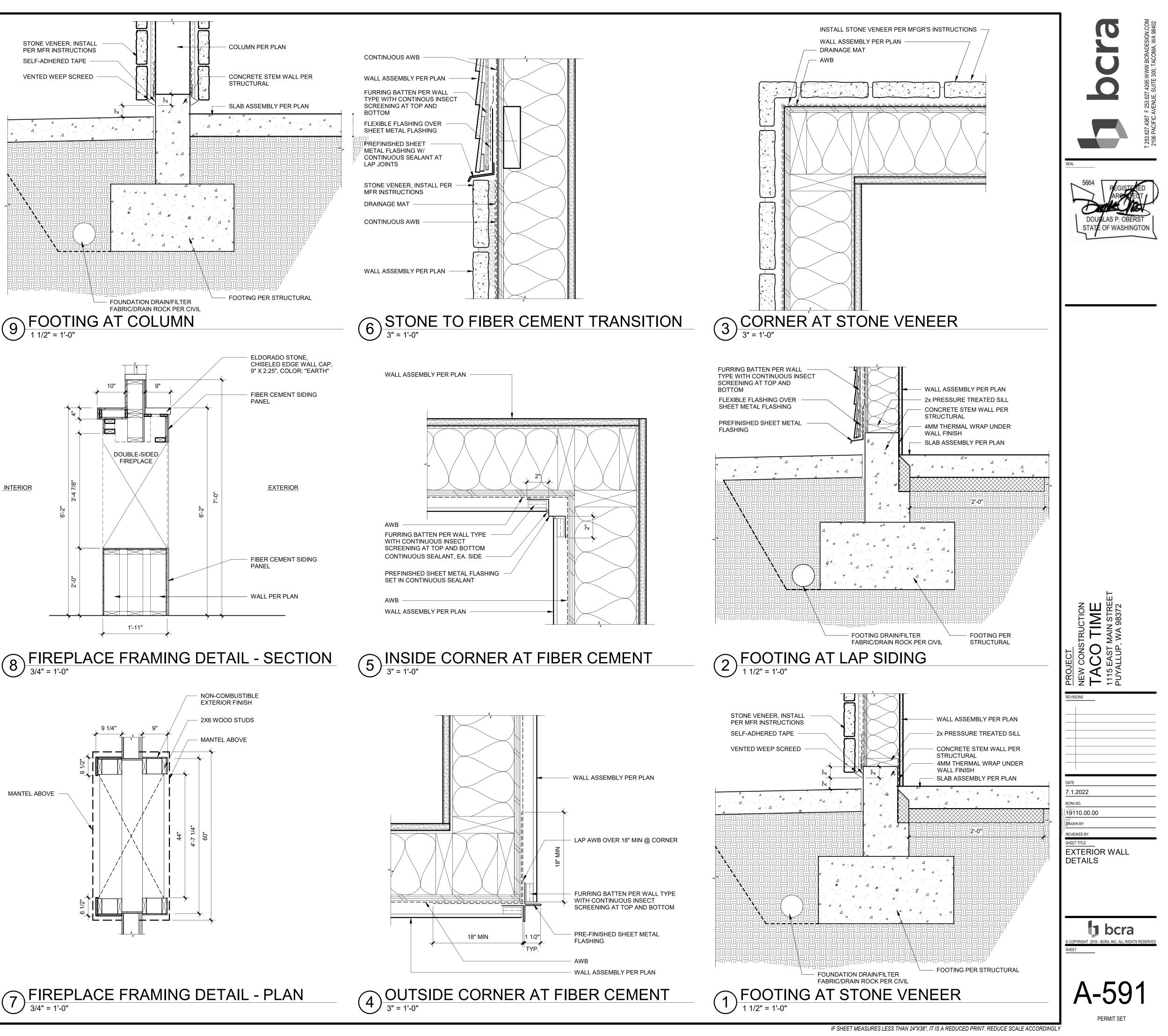


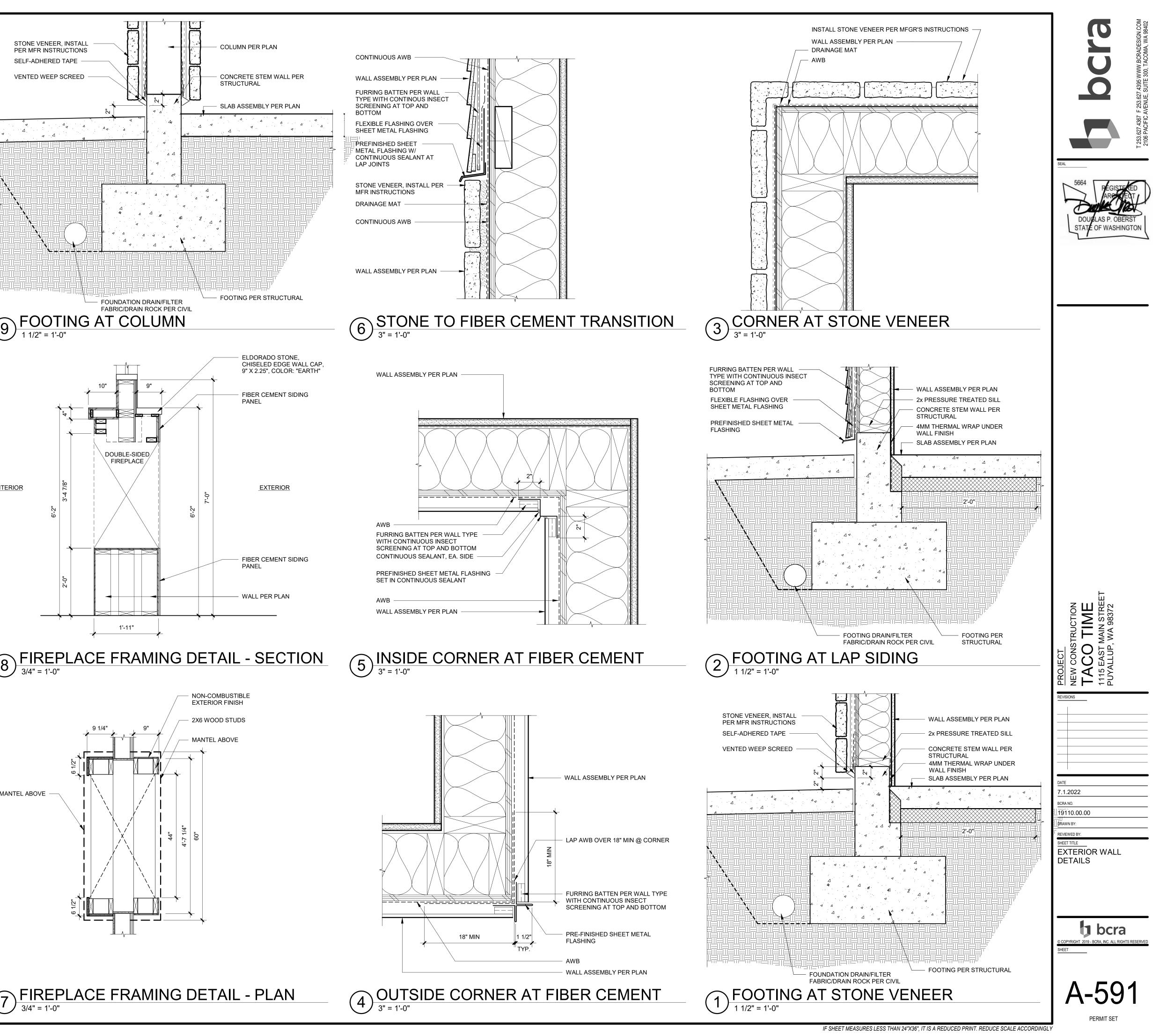


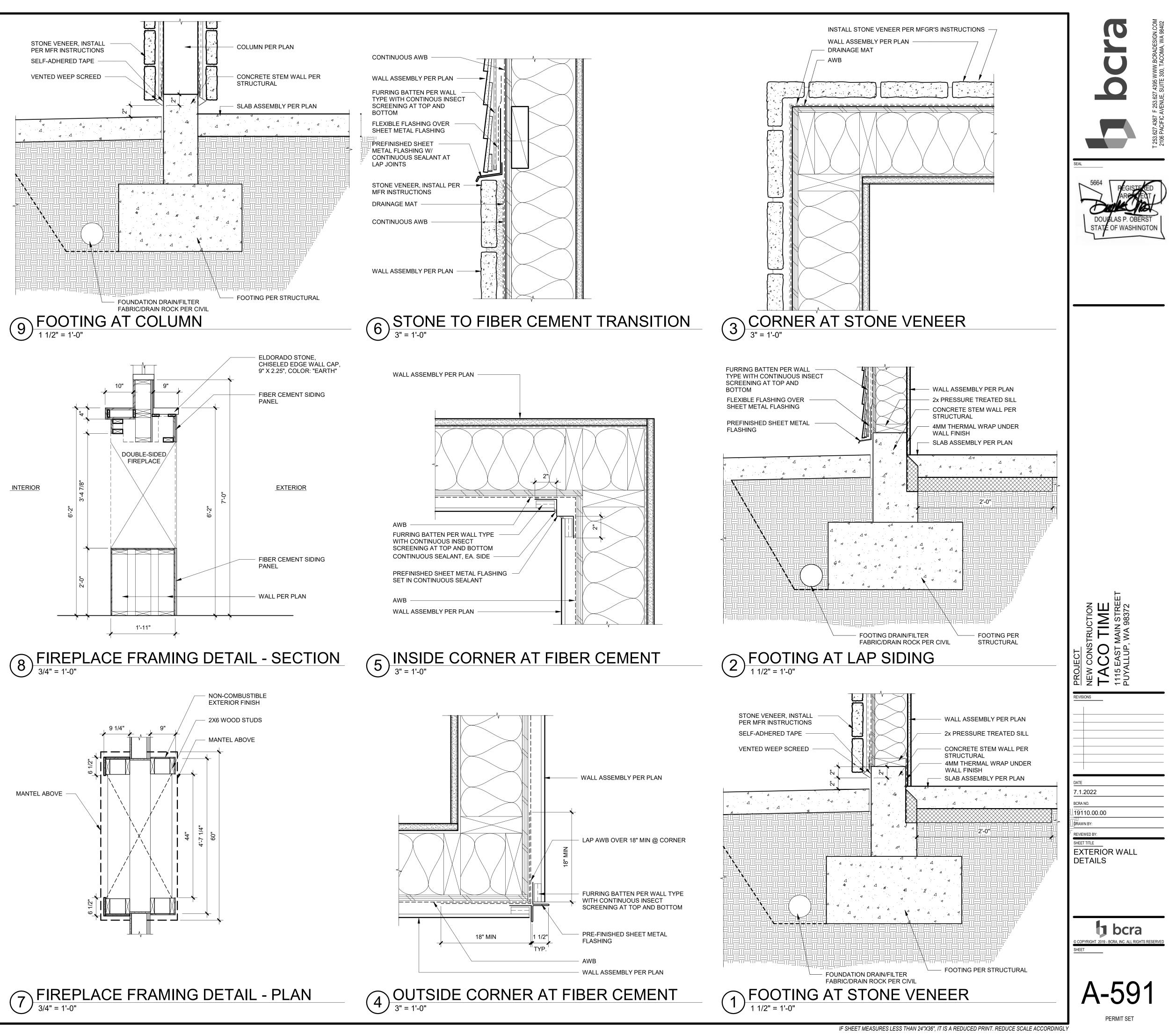


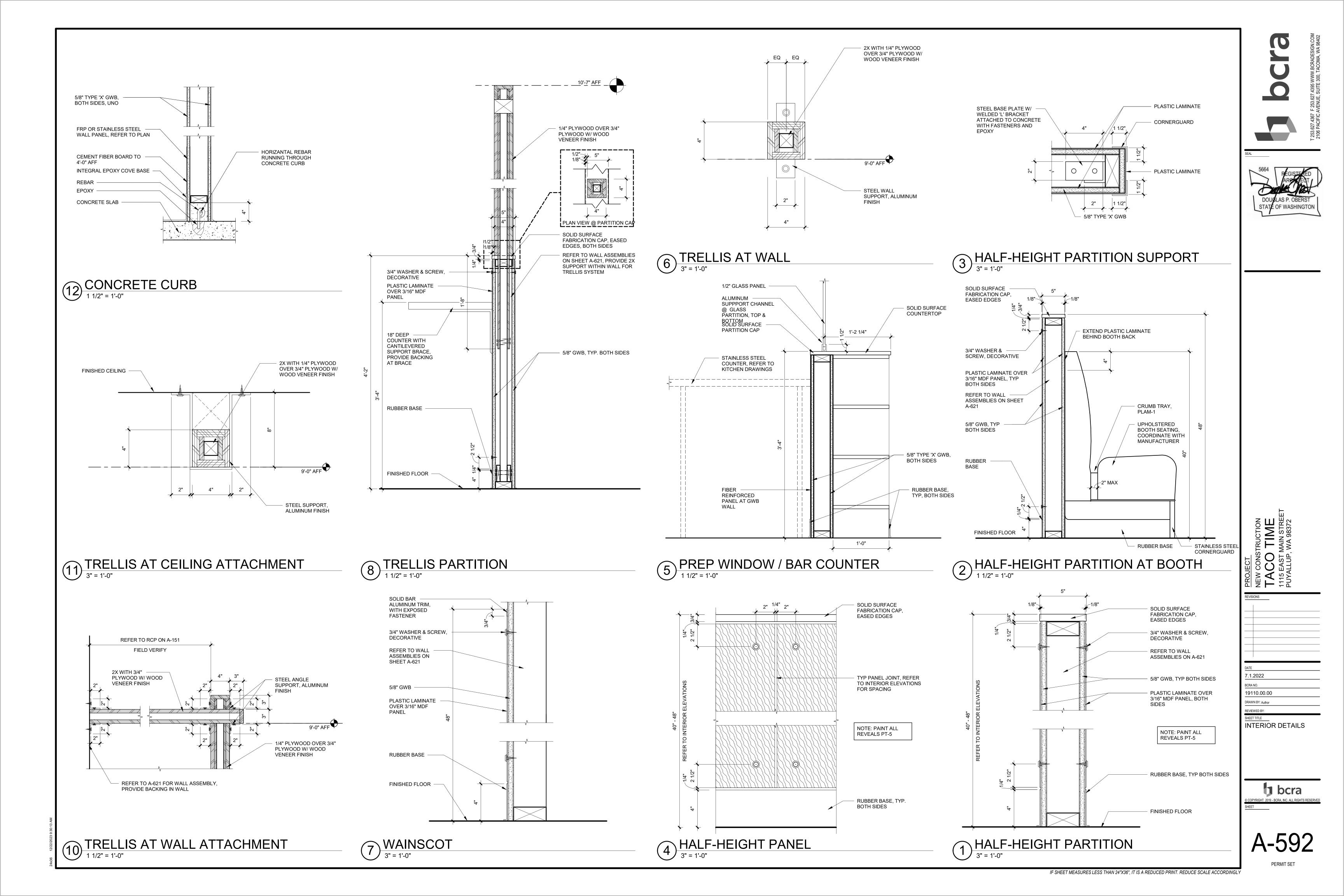
IF SHEET MEASURES LESS THAN 24"X36", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

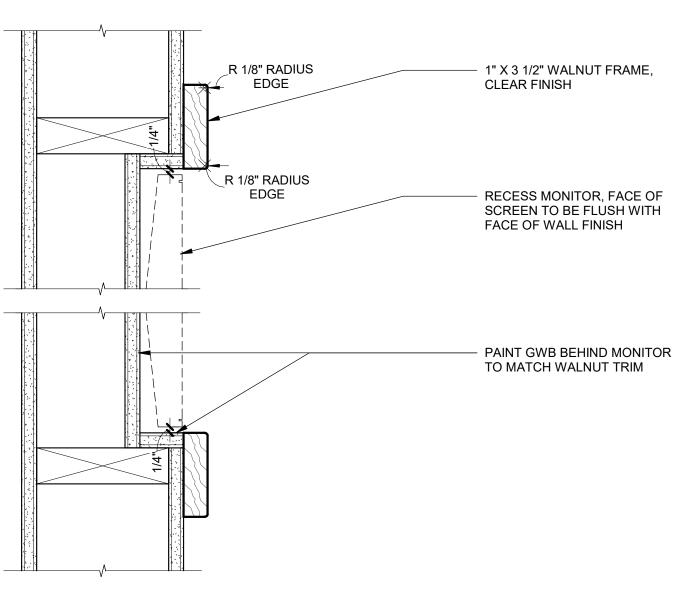




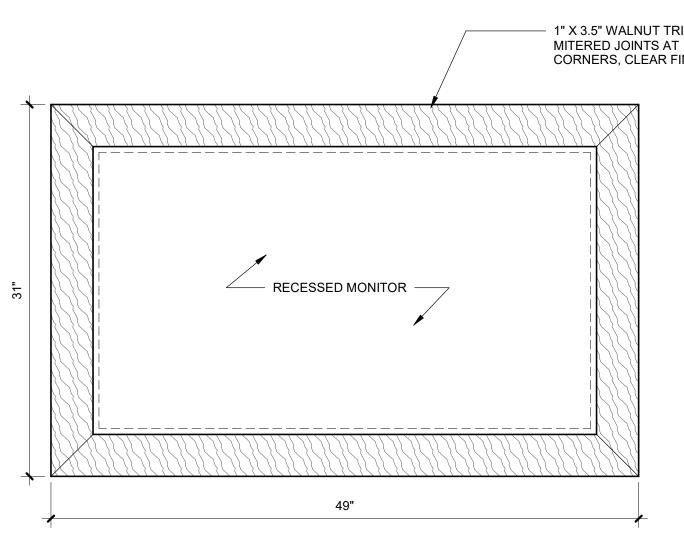


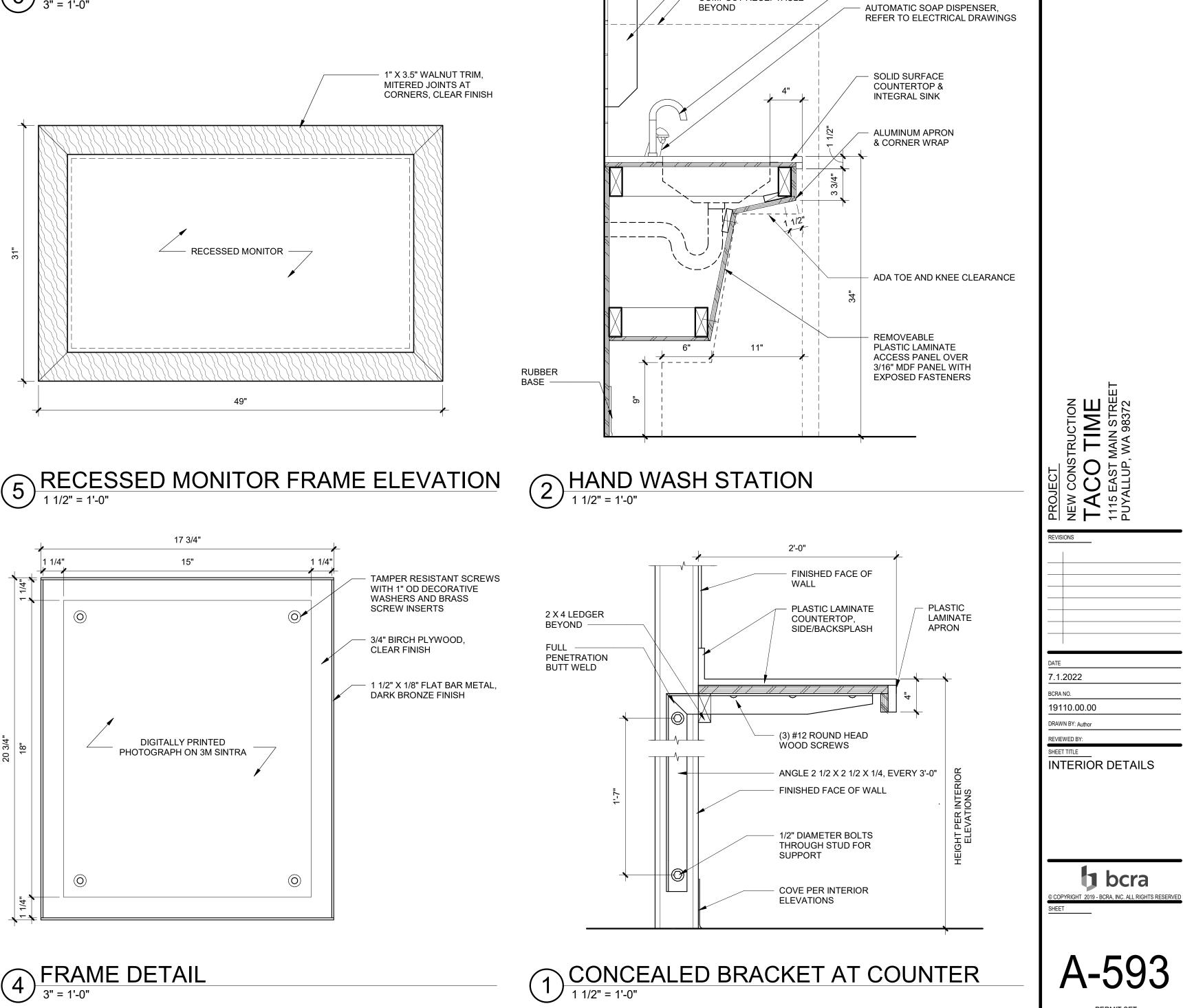






6 RECESSED MONITOR FRAME SECTION





GLASS TILE
 BACKSPLASH

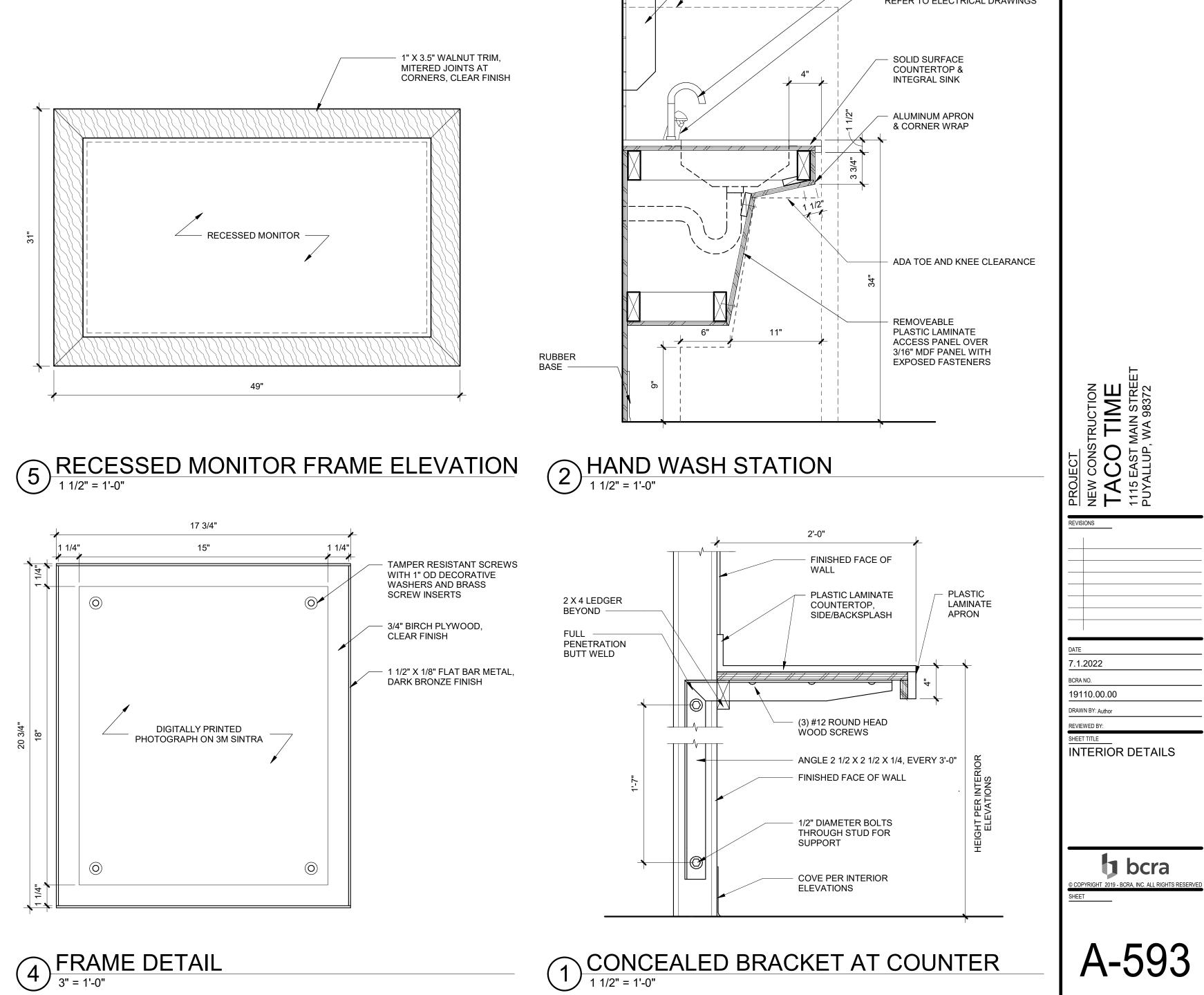
BEYOND

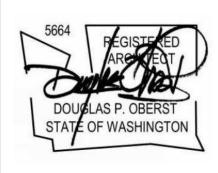
- PAPER TOWEL DISPENSER

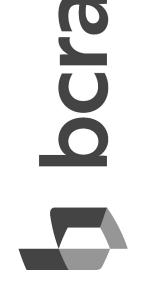
COMPOST RECEPTACLE

FAUCET, REFER TO PLUMBING DRAWINGS

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







						R	OOM F	INISH S	SCHED	ULE						
ROOM		BA	SE	FLO	OR	NORTH	I WALL	EAST	WALL	SOUTH	H WALL	WEST	WALL	CEILIN	NG	ROOM
NUMBER	ROOM NAME	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	COMMENTS NUMBER
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	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	CONDIMENT 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	Т	GWB	Т	GWB	Т	-	-	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

- 1. ALL RUBBER BASE TO BE 4" HIGH, UNLESS NOTED OTHERWISE.
- 2. REFER TO REFLECTED CEILING PLAN FOR EXTENTS AND VARYING TYPES OF ACT.
- 3. ALL INTERIOR HOLLOW METAL DOORS AND FRAME TO BE PAINTED PT-3.
- 4. ALL INTERIOR REVEALS AT HALF-HEIGHT PARTITIONS TO BE PAINTED PT-5, SHERWIN WILLIAMS #SW7027 "WELL-BRED BROWN", UNLESS NOTED OTHERWISE.
- 5. ALL CEILING EQUIPMENT, INCLUDING BUT NOT LIMITED TO SPEAKERS, CAMERAS, ETC., SHALL BE BLACK, UNLESS NOTED OTHERWISE.
- 6. ALL EXTERIOR FINISH SPECIFICATIONS ARE NOTED ON SHEET A-20

COLOD AND MATERIAL SPECIEICATIONS

COLOF	R AND MATERIAL SPECIFICATIONS	<u>PRODI</u>
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	TOILET
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"	CABINE
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"	CORNE
CONC-1	CONCRETE FLOOR APPLY THREE COAT, CLEAR SEALER SYSTEM BY ARIZONA POLYMER FLOORING - PRIME COAT - AFF EPOXY 100 - BUILD COAT - AFF EPOXY 600 - TOP COAT - AFF POLY 325	ALUMIN
EP-1	EPOXY FLOORING: MIRACOTE DOUBLE BROADCAST SYSTEM, CR EPOXY	
	PROVIDE POLYURETHANE 100 TOPCOAT BY ARIZONA POLYMER CUSTOM COMBINATION: MIRACOATE DOUBLE BROADCAST SYSTEM EPOXY MIRAFLOR CQ (MEDIUM TEXTURE)	ROOM
	TOPCOAT - ARIZONA POLYMER POLY 100 CLEAR ESTES GRAY - '2' PARTS	ACT
	SPECTRA QUARTZ - SMOKE '2' PARTS SPECTRA QUARTZ - WHITE '1' PART	CONC
LVT-1	LUXURY VINYL TILE: PATCRAFT, PATTERN: #1600V CLICK REFRESH, COLOR: #00770 "RUSTIC",	СТ
	7"X48" PLANK	EXP
	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	FF
	RECOMMENDED, FLORSEPT ANTIMICROBIAL, ADA COMPLIANT ASTM D 2047	FRL
	EDGE GUARD: ROPPE, 3/16" REDUCER STRIP, COLOR: #110 "BROWN"	FRP
PLAM-1	PLASTIC LAMINATE: FORMICA, COLOR: #8844-WR "AGED ASH", FINISH: WOODBRUSH EXPOSED GWB/PLYWOOD AT WAINSCOT PANELS TO BE PT-5.	GWB
PT-1	PAINT: SHERWIN WILLIAMS, #SW9173, COLOR: "SHIITAKE", SATIN FINISH	MAT'L
PT-2	PAINT: SHERWIN WILLIAMS, #SW2815, COLOR: "RENWICK OLIVE", SATIN FINISH	NO
PT-3	PAINT: SHERWIN WILLIAMS, #SW6167, COLOR: "GARDEN GATE", SATIN FINISH	PLAM PT
PT-4	PAINT: SHERWIN WILLIAMS, #SW2824, COLOR: "RENWICK GOLDEN OAK", SATIN FINISH	RB
PT-5	PAINT: SHERWIN WILLIAMS, #SW7027, COLOR: "WELL-BRED BROWN", SATIN FINISH	KB SS
RB-1	RUBBER BASE: ROPPE WALL BASE, #624, COLOR: "CHAMELEON", PINNACLE SERIES, 4" H	SS WD
R-1	RESIN: LUMICOR, LUMINOUS LUMICLEAR, COLOR: "NUTMEG", 1" THICK, FINISH: CHEMSHIELD	
SSF-1	SOLID SURFACE FABRICATION: CORINA, COLOR, "ASH CONCRETE"	{
T-1	TILE: DALTILE, COLORBODY PORCELIAN, FABRIC ART - MODERN LINEAR; COLOR - "TAUPE" ML62, 12" X24" GROUT: MAPEI, #02 "PEWTER"	Ę
T-2	TILE: DALTILE, COLORWHEEL - CLASSIC, COLOR: "ARCHITECTURAL GRAY" MATTE, 3X6 GROUT: MAPEI, #02 "PEWTER"	<pre>}</pre>
T-3	TILE: DALTILE, CLASSIC COLORWHEEL COLLECTION, COLOR: "GARDEN SPOT" MATTE, 3X6, RANDOM INSTALLATION - 50% MIX WITH T-4 GROUT: MAPEI, #16 "MALT"	
T-4	TILE: DALTILE, CLASSIC COLORWHEEL COLLECTION, COLOR: "GARDEN SPOT" GLOSS, 3X6, RANDOM INSTALLATION - 50% MIX WITH T-4 GROUT: MAPEI, #16 "MALT"	
T-5	TILE: DALTILE, COLORWHEEL LINEAR, K175: "BISCUIT GLOSSY" 8X24 GROUT: MAPEI, #14 "BISCUIT"	
T-6	UNITED TILE, CROSSVILLE GLASS BLOX, COLOR: GB12 BG, 1/2" X 2" BLENDED MOSAICS GROUT: MAPEI #13 "FRENCH VANILLA"	55'-0"
WC-1	WALLCOVERING: DESIGNTEX WALLCOVERING, PATTERN: TOVA: "TATAMI" #6745-103, TYPE II, 20 OZ., RANDOM MATCH, REVERSE HANG	
WC-2	WALLCOVERING: MDC WALLCOVERING, PATTERN: VALERIE #EVL9113, COLOR: "CHOCOLATE", RANDOM MATCH, REVERSE HANG	
WC-3	WALLCOVERING: TRI-KES - LANARK PASSAGE #L2-PA-05, COLOR: "TAN", 53/54"W, REVERSIBLE PATTERN WITH STRAIGHT ACROSS MATCH	
WD-1	WOOD: WALNUT; FINISH: CLEAR, SATIN FINISH	

ROOM FINISH COMMENTS

- INSTRUCTION.

PRODUCT SPECIFICATIONS

RUDUCI SPE
TOILET PARTITIONS:
BRADLEY, 500 SE TOILET PARTITIO
CABINET HARDWARE:
EPCO 4" ALLIMINI

SPACING, 7/8" PROJECTION RGUARD:

NUM TRIM:

1 FINISH ABBREVIATIONS

	ACT	ACOUSTICAL
	CONC	CONCRETE
	СТ	CERAMIC TIL
	EXP	EXPOSED
	FF	FACTORY FI
	FRL	FIBER REINF
	FRP	FIBERGLASS
	GWB	GYPSUM WA
	MAT'L	MATERIAL
	NO	NUMBER
	PLAM	PLASTIC LAN
	PT	PAINT
	RB	RUBBER BAS
	SS	STAINLESS S
	WD	WOOD
γ	$\sim \sim \sim$	$\sim \sim \sim \sim$



 $(1) \frac{1}{1/2"} = 1'-0"$

1. INTERIOR HOLLOW METAL DOORS AND FRAMES TO BE PAINTED PT-3.

2. REFER TO INTERIOR ELEVATIONS FOR PAINT LOCATIONS AND SPECIFICATION TYPE.

3. 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

4. BID ALTERNATIVE TILE FLOORING (T-7).

5. REFER TO DETAIL 1/A-601 FOR TYPICAL RESTROOM WALL TILE PATTERN.

6. REFINISH ANY WALLS WITH PLASTER FINISH WITH 5/8" TYPE 'X' GWB OVER EXISTING PLASTER AND PAINT A LEVEL 5 PAINT FINISH.

> ERIES FLOOR BRACED PLASTIC LAMINATE ONS, FORMICA, COLOR: #8823-58 "PATINA", MATTE FINISH

EPCO 4" ALUMINUM CABINET PULL, #EPC-DP433-4-SL, 4-3/8" L X 3/8" W, 4" HOLE

ACROVYN, SURFACE MOUNTED STAINLESS STEEL METAL CORNER GUARD, #CO-8

EXTRUDE-A-TRIM, SOLID RECTANGULAR BAR, #IE2414, 1/8" D X 3/4" W, FINISH: "SATIN CLEAR"

L CEILING TILE

ILE

INISH

IFORCED LAMINATE

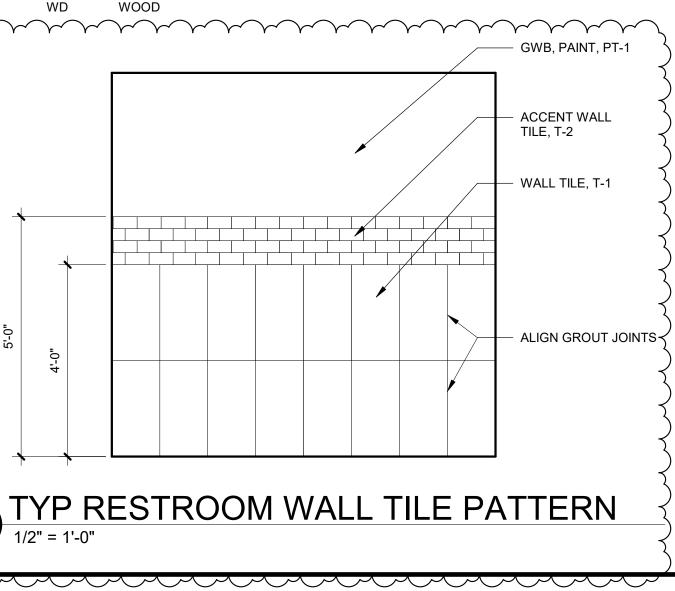
S REINFORCED PLASTIC PANEL

VALL BOARD

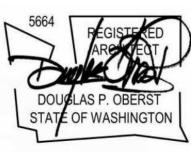
AMINATE

SE

S STEEL

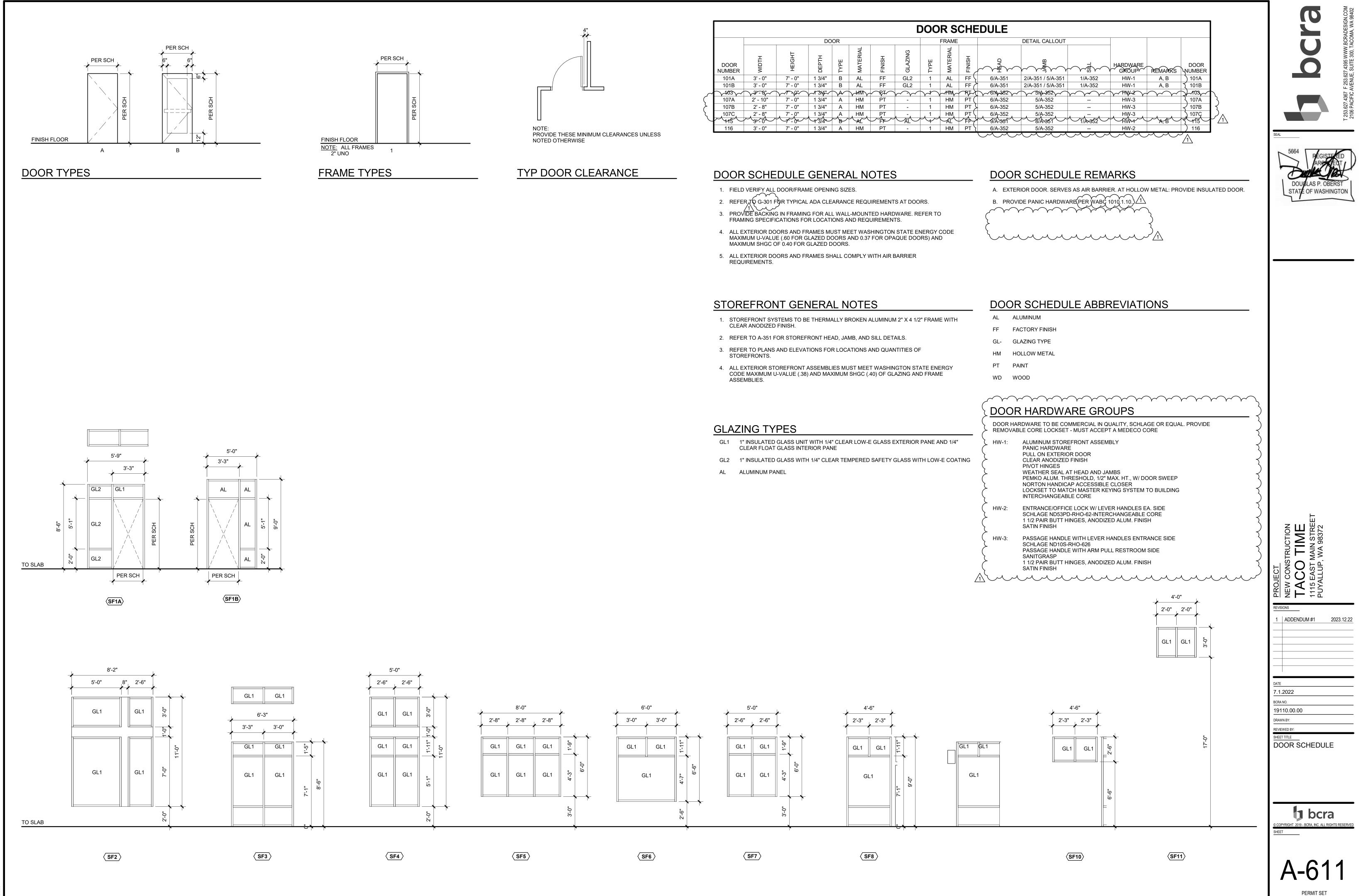


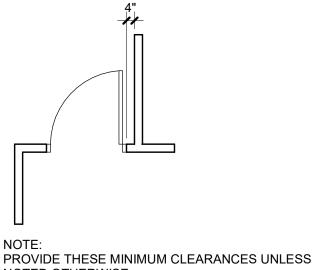




PROJECT NEW CONSTRUCTION TACO TIME 1115 EAST MAIN STREET PUYALLUP, WA 98372							
REVISIONS							
1 ADDENDUM #1 2023.12.22							
DATE							
7.1.2022							
BCRA NO. 19110.00.00							
DRAWN BY:							
REVIEWED BY:							
SHEET TITLE INTERIOR FINISH SCHEDULE							
© COPYRIGHT 2019 - BCRA, INC. ALL RIGHTS RESERVED							
Δ_601							

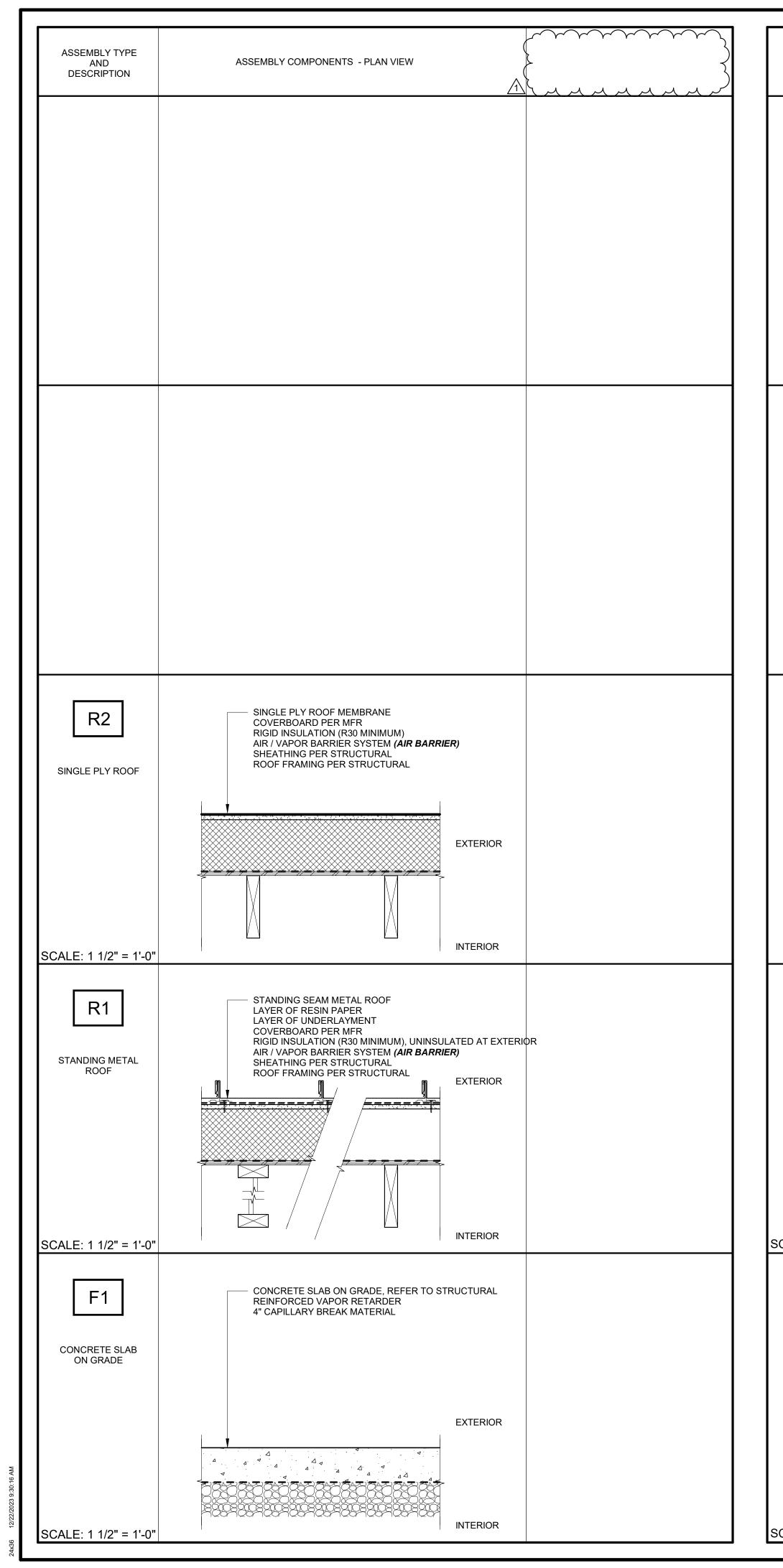




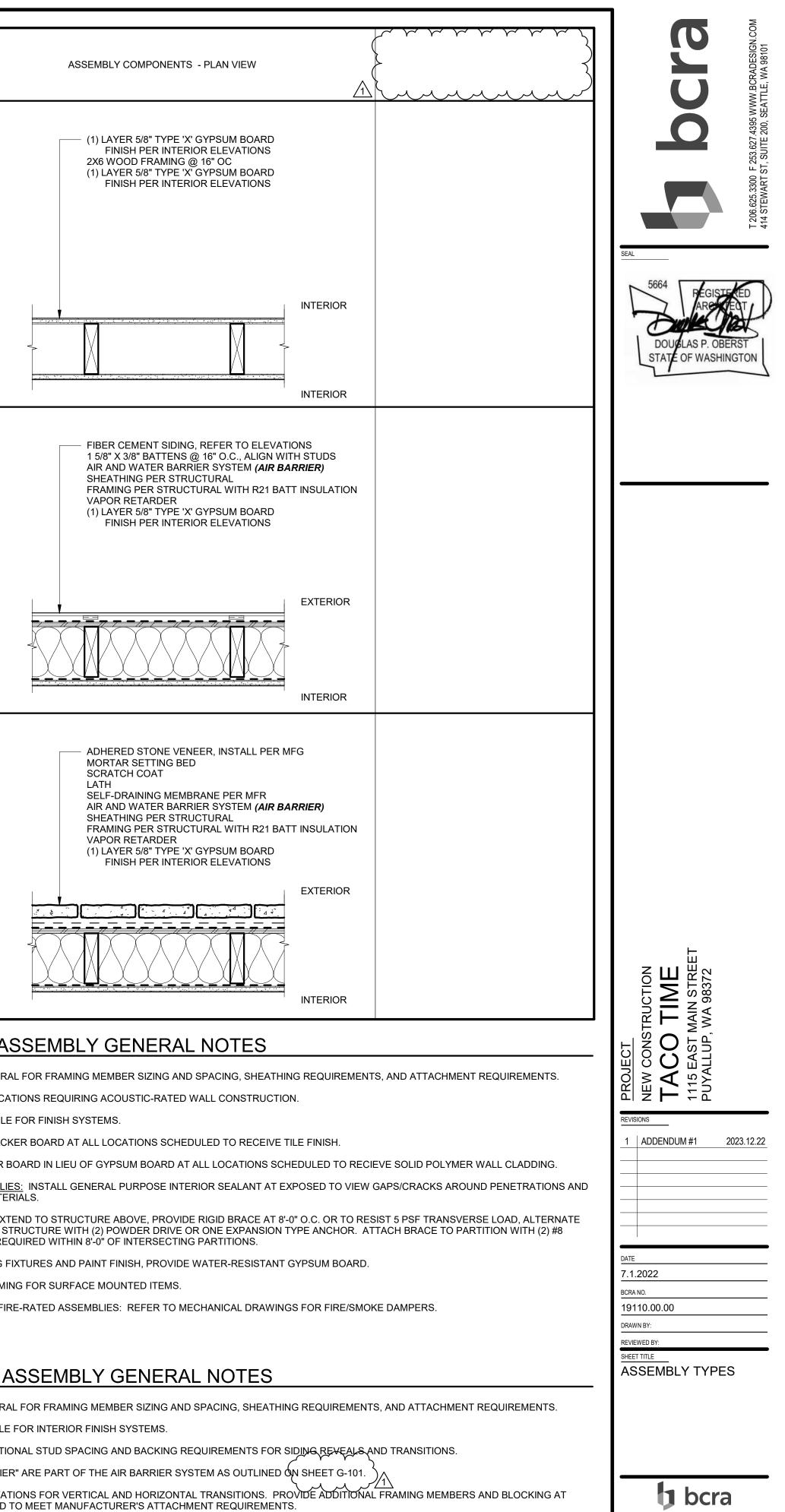


								0	000					
	DOOR													
	DOOR NUMBER	WIDTH	HEIGHT	DEPTH	ТҮРЕ	MATERIAL	FINISH	GLAZING	ТҮРЕ					
	101A	3' - 0"	7' - 0"	1 3/4"	В	AL	FF	GL2	1					
	101B	3' - 0"	7' - 0"	1 3/4"	В	AL	FF	GL2	1					
\sim	~103~~	~3'-0"~~	~7~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	13/4"~	$\neg A \frown$		~777~		\sim	ŀ				
ζ	107A	2' - 10"	7' - 0"	1 3/4"	A	HM	PT	-	1					
3	107B	2' - 8"	7' - 0"	1 3/4"	Α	HM	PT	-	1					
ζ	,107C	, 2' - 8"	, 7' - 0"	1 3/4"	A	, HM	PT		1					
\sim	115			¥3/4	\sim	AL				Ň				
	116	3' - 0"	7' - 0"	1 3/4"	Α	НМ	PT	-	1					

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



ASSEMBLY TYPE AND DESCRIPTION	ASSEMBLY COMPONENTS - PLAN VIEW	ASSEMBLY TYPE AND DESCRIPTION
		W3
		INTERIOR 2X6 WOOD STUD WALL ASSEMBLY
		SCALE: 1 1/2" = 1'-0"
		W2
		EXTERIOR 2X6 WOOD STUD WALL ASSEMBLY WITH FIBER CEMENT
		SCALE: 1 1/2" = 1'-0"
		W1
		ETXTERIOR 2X6 WOOD STUD WALL ASSEMBLY WITH MASONRY
		SCALE: 1 1/2" = 1'-0"
	FIBER CEMENT SIDING, REFER TO ELEVATIONS	INTERIOR WALL A
W5	1 5/8" X 3/8" BATTENS @ 16" O.C., ALIGN WITH STUDS AIR AND WATER BARRIER SYSTEM (AIR BARRIER) SHEATHING PER STRUCTURAL	1. REFER ALSO TO STRUCTUR
ETXTERIOR 2X8	FRAMING PER STRUCTURAL WITH R21 BATT INSULATION VAPOR RETARDER (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD	 REFER TO FLOOR FOR LOCA REFER TO FINISH SCHEDULI
FIRE RETARDANT TREATED WOOD STUD WALL	FULL HEIGHT STAINLESS STEEL PANEL FINISH	4. PROVIDE GYPSUM TILE BAC
ASSEMBLY WITH FIRE RETARDANT TREATED		5. PROVIDE CEMENT BACKER 6. <u>NON-FIRE-RATED ASSEMBLI</u>
PLYWOOD SHEATHING AND FIBER CEMENT	EXTERIOR	BETWEEN DISSIMILAR MATE 7. AT WALLS THAT DO NOT EX SIDES. ATTACH BRACE TO S
		8. AT WALLS WITH PLUMBING I
		9. PROVIDE BACKING IN FRAM
CALE: 1 1/2" = 1'-0"	INTERIOR	10. DUCT PENETRATIONS OF FI
	(1) LAYER 5/8" TYPE 'X' GYPSUM BOARD	
W4	FINISH PER INTERIOR ELEVATIONS 2X4 WOOD FRAMING @ 16" OC (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD	EXTERIOR WALL A
INTERIOR 2X4	FINISH PER INTERIOR ELEVATIONS	 REFER ALSO TO STRUCTUR REFER TO FINISH SCHEDULE
WOOD STUD WALL ASSEMBLY		3. REFER TO A-591 FOR ADDITI
		 ITEMS LABELED "AIR BARRIE REFER TO EXTERIOR ELEVA TRANSITIONS AS REQUIRED
		6. PROVIDE BACKING IN FRAMI
CALE: 1 1/2" = 1'-0"	INTERIOR	



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

ING FOR SURFACE MOUNTED ITEMS. REFER TO SPECIFICATIONS FOR REQUIREMENTS.

A-621

RIGHT 2019 - BCRA, INC. ALL RIGHTS RESE

<u>GENERAL</u> 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. ITEMS DESIGNED BY OTHERS SHALL BEAR THE SEAL AND SIGNATURE OF THE WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER WHO IS RESPONSIBLE FOR THE DESIGN, AND SUBMITTED TO THE ARCHITECT / ENGINEER FOR REVIEW. ONCE APPROVED, THEY SHALL BE SUBMITTED TO THE BUILDING OFFICIAL.

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. SOILS COMPACTION SHALL BE SUPERVISED BY AN APPROVED TESTING AGENCY OR GEOTECHNICAL ENGINEER.

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. IN CASE OF DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THE DRAWINGS, THE CONTRACTOR SHALL OBTAIN DIRECTION FROM THE ARCHITECT / ENGINEER BEFORE PROCEEDING. NOTED DIMENSIONS TAKE PRECEDENCE - DO NOT SCALE DRAWINGS.

CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND BRACING OF ALL STRUCTURAL MEMBERS, EXISTING CONSTRUCTION AND SOIL EXCAVATIONS, AS ALL STEEL EXPOSED TO WEATHER, MOISTURE, SOIL, OR AS NOTED SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION PER ASTM A123. ALL REQUIRED, AND IN A MANNER SUITABLE TO THE WORK SEQUENCE. TEMPORARY SHORING AND BRACING SHALL NOT BE REMOVED UNTIL ALL FINAL FIELD WELDS ON GALVANIZED MATERIAL SHALL BE COATED WITH BRUSH APPLIED ZINC-RICH PAINT COMPLYING WITH ASTM A780 (GALVACON OR CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE DRAWINGS AND MATERIALS HAVE ACHIEVED DESIGN STRENGTH. EQUIVALENT).

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED TO SUBSTITUTION OF MEMBER SIZES OR STEEL GRADE WILL NOT BE ALLOWED WITHOUT PRIOR APPROVAL OF THE ARCHITECT / ENGINEER. PERFORM THE WORK.

SITE WORK ALL EARTHWORK, MATERIAL, BACKFILL, AND COMPACTION SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. STEEL DECI EXCAVATE TO DEPTH SHOWN AND TO FIRM UNDISTURBED MATERIAL. OVER-EXCAVATIONS SHALL BE BACKFILLED WITH LEAN CONCRETE AT THE STEEL ROOF DECK SHALL CONFORM TO ALL REQUIREMENTS OF THE FOLLOWING DOCUMENTS. EXCEPT AS MODIFIED BELOW: AISI "SPECIFICATION CONTRACTOR'S EXPENSE. BACKFILL BEHIND WALLS SHALL NOT BE PLACED BEFORE THE WALL IS PROPERLY SUPPORTED BY THE FLOOR MATERIAL, SLAB FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS". "SDI SPECIFICATIONS AND COMMENTARY FOR STEEL ROOF DECK". SDI "CODE OF OR TEMPORARY BRACING. RECOMMENDED STANDARD PRACTICE". AWS D1.3 "STRUCTURAL WELDING CODE - SHEET STEEL"

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

MATERIALS

CEMENT	
COARSE AND FINE AGGREGATE	
WATER	

STRENGTH:

SLABS FOOTINGS

ADMIXTURES

STEM WALLS

Clean and Potable 4000 (psi @ 28 days) 3000 (psi @ 28 days) 4000 (psi @ 28 days)

ASTM C150, Type I or Type II

W/C MAX 0.45 0.5 0.45

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. CACL2 OR OTHER WATER-SOLUBLE CHLORIDE ADMIXTURES SHALL NOT BE USED.

ASTM C33

AN AIR-ENTRAINING AGENT CONFORMING TO ASTM C 260 SHALL BE USED IN ALL CONCRETE MIXES FOR FLATWORK WHICH IS EXPOSED TO WEATHER. THE AMOUNT OR ENTRAINED AIR SHALL BE IN ACCORDANCE WITH ACI 301 AND MEASURED IN THE FIELD AT THE DISCHARGE END OF THE PLACING HOSE.

MISCELLANEOUS:

WATER/CEMENT (W/C) RATIO SHALL BE MEASURED BY WEIGHT AND SHALL BE BASED ON THE TOTAL CEMENTITIOUS MATERIAL. W/C RATIO SHALL BE DETERMINED BY THE SUPPLIER BASED ON STRENGTH REQUIREMENTS AND SHALL NOT EXCEED THE MAXIMUM W/C RATIO SHOWN ABOVE.

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. THE SUBMITTAL SHALL INDICATE WHERE EACH CONCRETE MIX IS TO BE USED ON THE PROJECT, AS WELL AS THE HOLES OR COMBINATIONS OF HOLES IN NON-COMPOSITE ROOF DECK, WHICH CUT TWO WEBS WHICH ARE CLOSER THAN 24 INCHES ON CENTER, MAY MAXIMUM AGGREGATE SIZE OF EACH MIX. MAXIMUM AGGREGATE SIZE SHALL CONFORM TO THE SPECIFICATIONS. REQUIRE DECK REINFORCEMENT PER THE ENGINEER. CONCRETE MASONRY

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

REINFORCING STEEL

DEFORMED BAR REINFORCEMENT SPECIAL DUCTILE QUALITY (SDQ) DEFORMED BARS WELDED WIRE FABRIC

ASTM A615 - GR. 60 ASTM A706 - GR. 60 LOW ALLOY ASTM A185 & ASTM A82 FY = 65KSI ASTM A496

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

A PERIOD OF 36 HOURS AFTER FINISHING CONCRETE SURFACES. SEE SPECIFICATIONS FOR CURING REQUIREMENTS.

CONCRETE COVER: BEAMS STIRRUPS AND COLUMN TIES SLAB BARS NONSTRUCTURAL SLAB-ON-GRADE WALL BARS: INTERIOR FACES EXPOSED TO EARTH OR WEATHER

DEFORMED BAR ANCHORS

FOOTING:

1 1/2" 3/4" TYP, 1" FOR RATED CONST. MID-DEPTH 3/4" 1 1/2" (NO. 5 AND SMALLER) 2" (NO. 6 AND LARGER) BOTTOM 3", TOP 1 1/2", SIDE 2"

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. REBAR TO BE ASTM A706, GR. 60 LOW ALLOY. USE E70XX WELDING ELECTRODES WHEN WELDING TO STRUCTURAL STEEL AND E90XX WHEN WELDING TO REBAR.

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

DRAWING LIST

GENERAL NOTES AND DRAWING LIST S-001 ABBREVIATIONS LIST AND LEGENDS S-002 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 TACO TIME CANOPY S-502 S-801 TYPICAL WOOD DETAILS S-811 WOOD DETAILS

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

ASTM A992

ASTM A36

ASTM A36

ASTM A29

ASTM A500, GR. B

ASTM A53, GR. B

ASTM A325-N, A325-SC, A490-N, A490-SC

70 KSI, LOW HYDROGEN, TYPICAL 60 KSI,

MIN. METAL DECK AND COLD-FORMED FRAMING

ASTM F1554, GR. 36, 55, 105, UNO

ATE	ERIALS:
-	STRUCTURAL STEEL STRUCTURAL TUBES
-	STEEL PIPE
	CONNECTION MATERIAL, EMBEDDED ITEMS, CHANNELS,
	ANGLES, BASE PLATES AND MISCELLANEOUS STEEL
-	STRUCTURAL BOLTS ANCHOR RODS
-	THREADED RODS
V	VELDING ELECTRODES
F	IEADED SHEAR STUDS

WELDING

ALL WELDING SHALL BE IN ACCORDANCE WITH THE "STRUCTURAL WELDING CODE" ANSI/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. SHOP DRAWINGS SHALL SHOW ALL WELDING WITH AWS A2.4 SYMBOLS. WELDS SHOWN ON THE DRAWINGS ARE MINIMUM SIZES AND FOR FINAL CONNECTIONS. MINIMUM WELD SIZE SHALL BE 3/16 IN. UNO. FIELD WELD SYMBOLS ARE SHOWN WHERE FIELD WELDS ARE REQUIRED BY THE STRUCTURAL DESIGN. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING IF A WELD SHOULD BE SHOP OR FIELD WELDED IN ORDER TO FACILITATE THE STRUCTURAL STEEL ERECTION. ALL FULL PENETRATION FIELD AND SHOP WELDS SHALL BE FULL TIME INSPECTED AND TESTED BY ULTRASONIC, NON-DESTRUCTIVE PROCEDURES. RESULTS OF TESTS SHALL BE SUBMITTED FOR REVIEW BY THE ARCHITECT / ENGINEER.

MISCELLANEOUS

BOLTED CONNECTIONS ARE TO BE OF HIGH STRENGTH ASTM A325 BOLTS AS SHOWN. A MINIMUM OF TWO BOLTS IS REQUIRED FOR ALL BEAM CONNECTIONS. ALTERNATIVE CONNECTIONS SHALL BE SUBMITTED TO THE ARCHITECT / ENGINEER FOR APPROVAL PRIOR TO FABRICATION.

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. THE MINIMUM BEARING REQUIRED SHALL BE 2 INCHES.

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. DECK SUPPLIER SHALL VERIFY DECK GAGES AND CAPACITIES BASED ON ACTUAL DECK LAYOUT AND SPAN CONDITIONS. DEVIATIONS IN DECK GAGES FROM THOSE SHOWN SHALL BE SUBMITTED TO THE ARCHITECT, ALONG WITH A VALID ICBO OR ICC REPORT FOR APPROVAL PRIOR TO SHOP DETAILING.

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. THE MINIMUM END LAP SHALL BE 2 INCHES CENTERED OVER SUPPORTS.

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.

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

MATERIALS:

ASSEMBLY STRENGTH MASONRY UNITS MORTAR DEFORMED BAR REINFORCEMENT DEFORMED REINFORCING WIRE WIRE FABRIC GROUT

f'm = 1500 psi ASTM C90, MEDIUM WEIGHT, TYPE I ASTM C270, TYPE S, IBC SECTION 2103 ASTM A615 - GR. 60 ASTM A496 ASTM A185 ASTM C476, f'c = 2000 psi

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.

MATERIALS: STUD WALLS

JOISTS BEAMS

POSTS GLUED LAMINATED TIMBER

LSL

LVL PSL

I-JOISTS SHEATHING

ALL LUMBER SHALL BE STAMPED WITH THE GRADE MARK OF EITHER WEST COAST LUMBER INSPECTION BUREAU (WWLIB) 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, LATEST EDITION. ALL FIELD CUTS AND DRILLED HOLES SHALL BE FIELD TREATED IN ACCORDANCE TO AWPA M-4. PRESERVATIVE TREATED LUMBER USED IN ENCLOSED LOCATIONS SHALL HAVE A MOISTURE CONTENT OF 19% OR LESS BEFORE COVERING.

MANUFACTURED WOOD TRUSSES:

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. ALL STEEL CONNECTORS EXPOSED TO THE WEATHER OR IN UNHEATED PORTIONS OF THE BUILDING SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION PER ASTM A123. FASTENERS IN CONTACT WITH PRESERVATIVE TREATED LUMBER SHALL BE HOT-DIPPED GALVANIZED, UNLESS NOTED OTHERWISE. CONNECTION HARDWARE AND ASSOCIATED FASTENERS IN CONTACT WITH PRESERVATIVE TREATED LUMBER SHALL BE GALVANIZED OR HOT-DIPPED GALVANIZED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION. MINIMUM FASTENING SHALL BE PER IBC TABLE 2304.10.1

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). ROOF SHEATHING SHALL HAVE A MOISTURE CONTENT OF 15% OR LESS BEFORE ROOFING.

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.

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. ANCHORS SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS. ICBO OR ICC REPORTS SHALL BE SUBMITTED FOR ALL ANCHORS.

COLD FORMED STEEL FRAMING

MATERIALS

54 MIL THICKNESS (16 GA) AND HEAVIER 43 MIL THICKNESS (18 GA) AND LIGHTER WELD MATERIALS WOOD SHEATHING

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. ALTERNATE MEMBERS EQUIVALENT IN SIZE, SHAPE, STIFFNESS AND STRENGTH BY MANUFACTURERS NOT CURRENTLY MEMBERS OF THE SSMA SHALL BE SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND ENGINEER.

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. SCREWS SHALL BE AS MANUFACTURED BY HILTI (KWIK-PRO OR KWIK-FLEX), ITW BUILDEX (TEKS) OR ELCO INDUSTRIES (DRIL-FLEX). CONTRACTOR SHALL SELECT SCREW TYPE AND POINT BASED ON MANUFACTURER'S RECOMMENDATIONS CONSIDERING THE TYPE AND THICKNESSES OF MATERIALS BEING JOINED.

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. FASTENERS MUST PENETRATE THROUGH THE MATERIAL(S) BEING JOINED LEAVING A MINIMUM PROJECTION OF 3 THREADS BEYOND THE LAST MATERIAL. MATERIALS BEING CONNECTED SHALL BE CLAMPED IN PLACE PRIOR TO FASTENING AND FASTENERS SHALL BE FULLY SEATED. FASTENERS SHALL BE INSTALLED IN SUCH A WAY AS TO PREVENT OVERDRIVING.

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. UNLESS NOTED OTHERWISE, WALL STUDS SHALL BE FULLY SEATED IN THE TOP AND BOTTOM TRACKS AND HELD IN PLACE UNTIL FINAL CONNECTIONS ARE MADE. WALL STUDS SHALL BE CONTINUOUS BETWEEN TOP AND BOTTOM TRACKS (NO SPLICES OF STUDS ARE ALLOWED) AND SHALL BE CONNECTED AT BOTH FLANGES TO THE TOP AND BOTTOM TRACKS USING A MINIMUM OF (1) #10 SCREW, UNLESS NOTED OTHERWISE. STICK FRAMING OF LOAD-BEARING WALLS SHALL NOT BE PERMITTED.

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.

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

- DOUGLAS FIR-LARCH NO. 2 OR HEM FIR NO. 1 OR BETTER. TOP PLATE MAY REQUIRE HIGHER STRENGTH LUMBER FOR TRUSS BEARING PER TRUSS MANUFACTURER DOUGLAS FIR LARCH NO. 2, Fb = 900 PSI MIN, Fv = 180 PSI OR HEM-FIR NO. 1, Fb = 975 PSI, Fv = 150 PSI DOUGLAS FIR LARCH STRUCTURAL GRADE NO. 2 FOR 4x, Fb = 900 PSI MIN, AND NO. 1 FOR 6x AND BIGGER, Fb = 1350 PSI MIN DOUGLAS FIR-LARCH STRUCTURAL GRADE NO. 2 FOR 4x, Fc = 1350 PSI MIN, AND NO. 1 FOR 6x AND BIGGER, Fc = 1000 PSI MIN
- SINGLE SPAN 24F-V4, 2.4 KSI CANTILEVER AND MULTI SPAN 24F-V8, 2.4 KSI
- BEAMS 1.7 KSI x 1.55E 2.6 KSI x 2.0E
 - BEAMS 2.9 KSI x 2.0E
 - COLUMNS 2.5 KSI x 1.8E TRUS JOIST BY WEYERHAEUSER OR EQUIVALENT PER ASTM D5055
 - WALLS 15/32" APA STRUCTURAL RATED SHEATHING GRADE ROOF 1/2" APA STRUCTURAL RATED SHEATHING GRADE (MIN, UNLESS NOTED OTHERWISE ON PLAN)

FLOOR 3/4" T&G APA STRUCTURAL RATED SHEATHING GRADE (MIN, UNLESS NOTED OTHERWISE ON PLAN)

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

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 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.

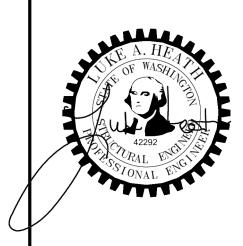
STUDS, TRACKS AND ACCESSORIES:

ASTM A1003 GRADE 50, TYPE H ASTM A1003 GRADE 33, TYPE H 60 KSI ELECTRODES

GROUP I OR II SPECIES C-D INTERIOR WITH EXTERIOR GLUE

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





CONSTRUCTION) TIME	V STREET , WA 98372
NEW CON	TACC	EAST MAIN PUYALLUP,

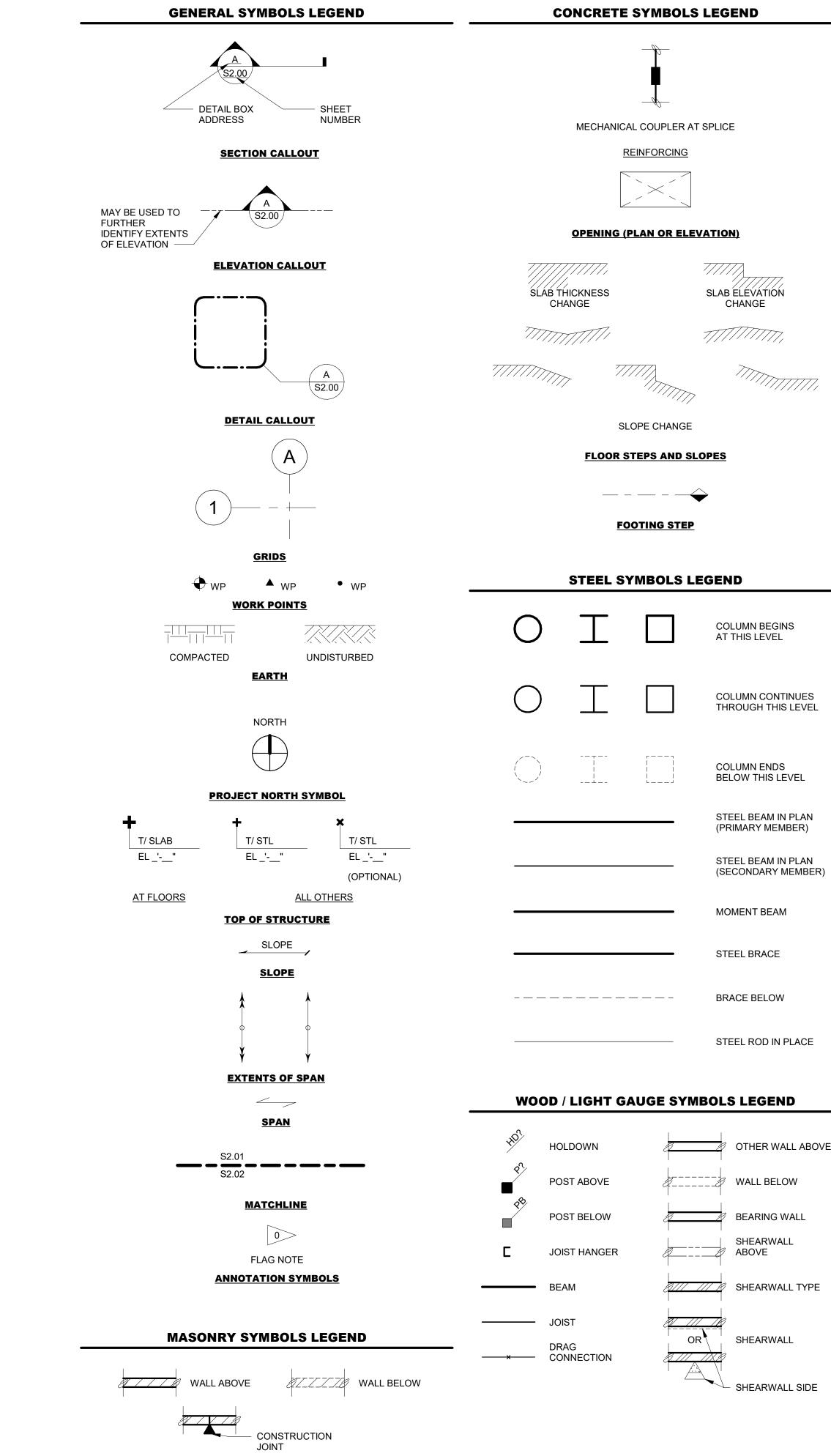
EVISIONS

l				
DATE				
7.18.2023				
BCRA NO.				
19110.00				
DRAWN BY: Author				

GENERAL NOTES AND DRAWING LIST







EG	E	Ν	D	

SLAB ELÉVÁTIÓN CHANGE

///////

COLUMN BEGINS AT THIS LEVEL

COLUMN CONTINUES THROUGH THIS LEVEL

COLUMN ENDS **BELOW THIS LEVEL**

STEEL BEAM IN PLAN (PRIMARY MEMBER)

STEEL BEAM IN PLAN (SECONDARY MEMBER)

MOMENT BEAM

STEEL BRACE

BRACE BELOW

STEEL ROD IN PLACE

OTHER WALL ABOVE WALL BELOW **BEARING WALL** SHEARWALL ABOVE SHEARWALL TYPE

SHEARWALL

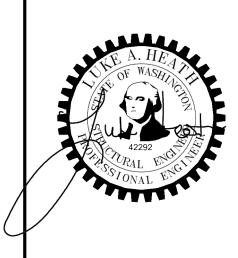
AB	ANCHOR BOLT
ADDL	ADDITIONAL
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AMPL	AMPLITUDE
ANCH	ANCHOR
ARCH	ARCHITECTURAL
B/	BOTTOM OF
BF	BRACED FRAME
BLDG	BUILDING
BLKG	BLOCKING
-	
BM	BEAM
BMU	BRICK MASONRY UNIT
BOT	BOTTOM
BRG	BEARING
BSMT	BASEMENT
BTWN	BETWEEN
C	CAMBER
cc	CENTER TO CENTER
CGS	CENTER OF GRAVITY OF STRAND
CIP	CAST IN PLACE
CJ	CONSTRUCTION, CONTROL
	JOINT
CL	CENTERLINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
	CONNECTION
CONN	
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CP	COMPLETE PENETRATION
CTR	CENTER
CTRD	CENTERED
CY	CUBIC YARD
DB	DIVIDER BEAM
DBA	DEFORMED BAR ANCHOR
DBL	DOUBLE
DE	DECK EDGE
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
-	
DKG	DECKING
DN	DOWN
DO	DITTO
DWF	DEFORMED WIRE FABRIC
DWG	DRAWING
DWL	DOWEL
EA	EACH
EE	EACH END
EF	EACH FACE
EL	ELEVATION
ELECT	ELECTRICAL
ELEV	ELEVATOR
EMBED	EMBEDMENT
EN	EDGE NAILING
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE
EW	EACH WAY
	-
EX	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FDN	FOUNDATION
FF	FINISHED FLOOR
FLG	FLANGE
FLR	FLOOR
FRMG	FRAMING
FS	FAR SIDE
FT	FEET
FTG	FOOTING
FV	FIELD VERIFY
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GL	GLULAM
GOVT	GOVERNMENT
GR	GRADE
GWB	GYPSUM WALLBOARD
HD	HOLDOWN
HGR	HANGER
-	HEIGHT
HORIZ	-
HT	
I.F.	INSIDE FACE
IBC	INTERNATIONAL BUILDING
	CODE
ID	INSIDE DIAMETER
IN	INCH
INT	INTERIOR

JBE JNT JST Κ KSF L LB LF LGA LL LLH LLV LOC LONGIT LSH MATL MAX MECH MFR MIN MISC N-S NIC NO. NOM NS NTS NW O.F. OC OD OPNG OPP P-T PAF PB PEN PL PLYWD PP PSF PSI ΡT R, r RD REF REINF REM REQD RET RO SC SCHED SE SECT SHT SHTHG SIM SOG SP SPCG SPEC SQ SS STD STIFF STL STRUCT SW SYM T&B T&G T/ TEMP THK TRANS TYP UNO VERT VPA W W/ W/O WHS WP WWF

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

JOIST BEARING ELEVATION JOINT JOIST KIP (1,000 LBS) KIPS PER SQ FT LENGTH (LONG) POUND LINEAL FOOT LIGHT GAUGE LIVE LOAD LONG LEG HORIZONTAL LONG LEG VERITICAL LOCATION LONGITUDINAL LONG-SLOTTED HOLE MATERIAL MAXIMUM MECHANICAL MANUFACTURE(R) MINIMUM MISCELLANEOUS NON-SHRINK NOT IN CONTRACT NUMBER NOMINAL NEAR SIDE NOT TO SCALE NORMAL WEIGHT OUTSIDE FACE ON CENTER OUTSIDE DIAMETER OPENING OPPOSITE, OPPOSITE HAND PRESSURE-TREATED POWDER ACTUATED FASTENER POST BELOW PENETRATION PLATE; PROPERTY LINE PLYWOOD PARTIAL PENETRATION POUNDS PER SQ FT POUNDS PER SQ IN POST-TENSIONED RADIUS ROOF DRAIN REFERENCE REINFORCING REMAIN(DER) REQUIRED RETURN ROUGH OPENING SLIP CONTROL SCHEDULE SLAB EDGE SECTION SHEET SHEATHING SIMILAR SLAB-ON-GRADE SPACE SPACING SPECIFICATION SQUARE STAINLESS STEEL STANDARD STIFFENER STEEL STRUCTURAL SHEARWALL SYMMETRICAL TOP AND BOTTOM TONGUE AND GROOVE TOP OF TEMPERATURE THICK(NESS) TRANSVERSE TYPICAL UNLESS NOTED OTHERWISE VERTICAL VERIFY PER ARCHITECTURAL WIDE OR WIDTH WITH WITHOUT WELDED HEADED STUD WORK POINT WELDED WIRE FABRIC





V CONSTRUCTION CO TIME T MAIN STREET ALLUP, WA 98372

7.18.2023 BCRA NO. 19110.00 DRAWN BY: Author

SHEET TITLE ABBREVIATIONS LIST AND LEGENDS

REVIEWED BY:





ABBREVIATIONS

	Inspection Task	QC ^{3,5}	QA ^{4,5}
	Welding procedure specifications	Р	Р
Manufacturer certifications for welding consumables Material identification (type / grade) Welder identification system ¹ Fit up of groove welds Configuration and finish of access holes Fit up of fillet welds Check welding equipment	Manufacturer certifications for welding consumables	Р	Р
	Material identification (type / grade)	0	0
	Welder identification system ¹	0	0
	Fit up of groove welds	0	0
	Configuration and finish of access holes	0	0
	Fit up of fillet welds	0	0
	Check welding equipment	0	-
Ŭ	Use of qualified welders	0	0
	Control and handling of welding consumables	0	0
	No welding over cracked tack welds	0	0
	Environmental conditions	0	0
INSPE	Welding procedure specification followed	0	0
INSPECTIONS DURING WELDING	Welding techniques	0	0
	Welds cleaned	0	0
(7)	Size, length, and location of welds	Р	Р
	Welds meet visual acceptance criteria	Р	Р
	Arc strikes	Р	Р
INSPECTIONS FTER WELDIN	K-area ²	Р	Р
INSPECTIONS AFTER WELDING	Backing removed and weld tabs removed (if required)	Р	Р
Ā	Repair activities	Р	Р
	Document acceptance or rejection of weld / member	Р	Р
	Manufacturer certificaitons for fastening materials	0	Р
s.	Fasteners marked with ASTM requirements	0	0
TIONS BOLTING	Proper fasteners selected (grade, type, bolt length, threads in shear plane)	0	0
	Proper bolting procedure	0	0
INSPECTIONS IOR TO BOLTI	Connecting elements (faying surface, hole preparation)	0	0
INSI PRIOR	Pre-installation verification testing for fasterner assemblies and methods	Р	0
đ	Proper storage for bolts, nuts, washers, and other components	0	0
/ R	Fastener assemblies palced in all holes and washers (if required) positioned as required	0	0
NG AND BOLTING	Joint brought to the snug-tight condition prior to pretensioning	0	0
DURING AND FTER BOLTIN	Fastener components not turned by the wrench prevented from rotating	0	0
R B(Fastener pretensioned in accordance with RCSC specification	0	0
DURING FTER BO	Document acceptance or rejection of bolted connections	P	P
AF _			
s	Placement and installation of steel deck	Р	Р
DECK ELEMENTS	Placement and installation of steel headed stud anchors	Р	Р
STEEL DECK Emen	Document acceptance or rejection of steel elements	P	P

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 PALTES, 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.

QUALITY ASSURANCE, QA. SHALL BE PROVIDED BY A QUALIFIED INPSECTION AGENCY.

5. "O" - OBSERVE THESE ITEMS ON A RANDOM BASIS, OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. "P" - PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER.

6. ALL INSPECTIONS SHALL BE PER AISC 360-10 SECTION N5.4. REFER TO THAT SECTION FOR ADDITIONAL INFORMATION.

INSPECTION SCHEDULE

	NSPECTION SCHEDULE						
	Verification and Inspection	Continuous	Periodic	Comment]		
DRIVEN DEEP FOUNDATION	Element materials and sizes	N/A			1		
	Load tests	N/A			1		
	Driving operations	N/A					
	Deep foundation placement	N/A			1		
	Steel elements			See IBC 1705.2	1		
	Concrete elements			See IBC 1705.3	1		
	Specialty elements				1		
	Reinforcing placement		N/A	Includes prestressing tendons. See Note 11	1		
	Reinforcing welding			See above	1		
	Anchor bolts		N/A		1		
-	Concrete sampling and test specimen preparation	N/A			1		
	Concrete / shotcrete placement	N/A			1		
CONCRETE ¹⁴	Concrete curing		N/A		1		
ONC	Prestressed	N/A		See Note 6	1		
55	Precast erection		N/A				
	Post-tensioned		N/A	See Note 7			
	Post-installed anchors						
	Horizontal or upward inclined anchors under sustained tension	Х					
	All other post installed anchors		X				
0	Mortar proportions		N/A				
9, 12	Mortar joints		N/A				
ONRY	Block and reinforcing placement		N/A	See Note 11			
SON	Reinforcing welding			See above			
MAS	Grout placement	N/A					
	Grout sampling and test specimen preparation	N/A					
	Anchorages (incl. connection to other construction)		N/A				
	Soil bearing below foundation elements		X				
S	Excavation depth and material		X				
SOILS	Testing of compacted materials		X				
S	Placement and compaction of fill	Х					
	Site subgrade observation		X				
	Field gluing operations	Х					
	Shearwalls, nailing, bolting and anchoring		X				
Δ	Diaphragms, nailing		X				
wood	Drag struts		X]		
3	Braces		N/A		1		
-	Shear panels		N/A		1		
	Hold downs		Х				

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.
- COMPLETION OR PRIOR TO SHIPMENT OF SHOP WELDING.
- 5. WELDING INSPECTION SHALL BE IN COMPLIANCE WITH AWS D1.1.
- SEISMIC FORCE RESISTING SYSTEM.
- REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.

- 11. VERIFICATION OF MATERIAL PROPERTIES, GRADE, TYPE AND SIZE IS REQUIRED.

DESIGN CRITERIA

GRAVITY DESIGN LOADS:

ROOF LIVE ROOF DEAD

ROOF SNOW

EXPOSURE IMPORTANCE FACTOR

LATERAL DESIGN LOADS:

WIND: BASIC WIND SPEED

RISK CATEGORY INTERNAL PRESSURE, GCpi EXPOSURE IMPORTANCE FACTOR SEISMIC: SITE CLASS USE GROUP DESIGN CATEGORY IMPORTANCE FACTOR EQUIVALENT LATERAL FORCE

> SEISMIC RESPONSE COEFFICIENT CS=0.156 TOTAL BASE SHEAR

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

12.5 (kips)

1.0

± 0.18

1.0

1.27

0.44

1.013

0.55

1.0

100 mph (3-sec gust) (ULT) 80 mph (3-sec gust) (ASD)

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 PRECEDURES 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

6. CONTINUOUS INSPECTION SHALL BE PERFORMED FOR APPLICATION OF PRESTRESSING FORCES AND GROUTING OF BONDED PRESTRESSING TENDONS IN THE 7. PERIODIC INSPECTION SHALL BE PERFORMED FOR THE VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS AND PRIOR TO

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 BOUNDRY 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.

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.

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

20 (psf) 15 (psf) +5 (psf) FUTURE PHOTOVOLTAIC PANELS 25 (psf)

DESIGN WIND LOAD p (psf) LOCATION ZONE 10 ft² 100 ft² 500 ft² ROOF TYPICAL -26.4 -24.2 -24.2 ROOF TYPICAL 16.0 16.0 16.0 ROOF EDGES -44.3 -29.4 -29.4 ROOF CORNER -66.7 -29.4 -29.4 WALL TYPICAL -28.6 -25.3 -21.9 4 WALL CORNER 5 -35.4 -28.6 -21.9

COMPONENTS AND CLADDING ULTIMATE WIND LOADS

1. LOADS ARE BASED ON ULTIMATE WIND SPEED. REFER TO DESIGN CRITERIA FOR WIND SPEED.

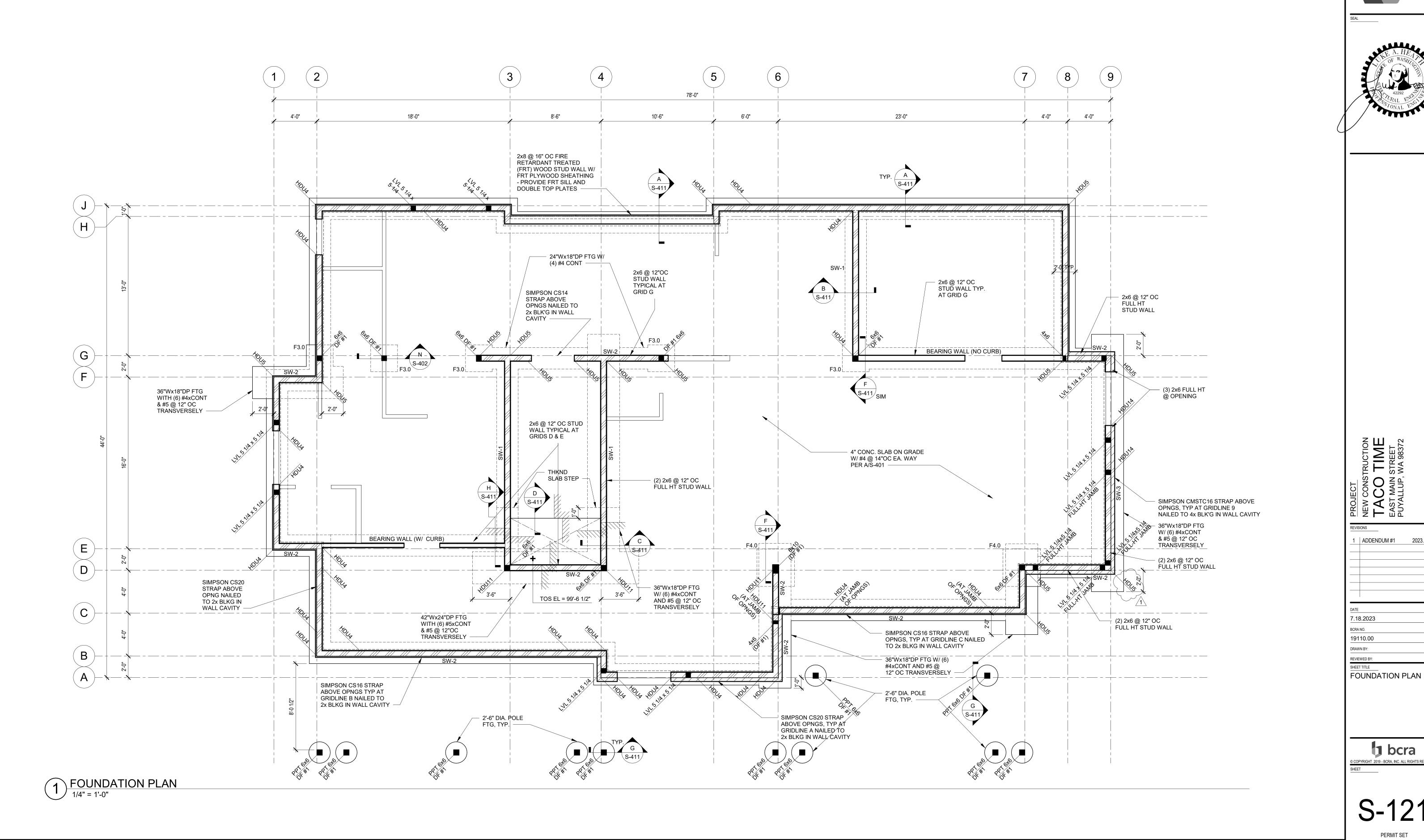
2. FOR ALLOWABLE LOADS, MULTIPLY TABLE VALUES BY 0.6 AS ALLOWED BY APPROPRIATE CODE LOAD COMBINATIONS. 3. LINEAR INTERPOLATION IS ALLOWED FOR AREAS BETWEEN

VALUES SHOWN. 4. PRESSURES ARE BASED ON MEAN ROOF HEIGHT OF 20'-0".

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

6.5 (LIGHT FRAMED WOOD WALLS SHEATHED W/ PANELS RATED FOR SHEAR RESISTANCE)

TIME TIME NA 98372 7.18.2023 BCRA NO. 19110.00 DRAWN BY: Author EVIEWED BY HEET TITLE INSPECTION SCHEDULES AND DESIGN CRITERIA **b**cra PYRIGHT 2019 - BCRA, INC. ALL RIGHTS RESERV



- NOTES: 1. SEE S4.01, S4.02, AND S8.01 FOR TYPICAL DETAILS.
- 2. TOP OF FOOTING ELEVATIONS AT 99'-0", UNLESS NOTED OTHERWISE 3. TOP OF SLAB ELEVATION AT 100'-0", UNLESS NOTED OTHERWISE. ELEVATIONS ARE
- RELATIVE, SEE CIVIL FOR ACTUAL FINISH FLOOR ELEVATIONS.
- 4. ALL EXTERIOR WALLS TO BE SW-1, UNLESS NOTED OTHERWISE 5. TYPICAL EXTERIOR FOOTING 24"x12" DEEP WITH (4) #4xCONTINUOUS.
- 6. WALL FRAMING TO BE DF NO. 2 OR HF NO. 1 2x6 @ 16"OC, TYPICAL, UNLESS NOTED OTHERWISE.
- 7. SLAB ON GRADE TO BE 4" CONCRETE WITH #4 @ 24"OC EACH WAY. 8. 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.
- 9. FOR SPREAD FOOTING SCHEDULE SEE M/S-402





YRIGHT 2019 - BCRA, INC. ALL RIGHTS RESERV



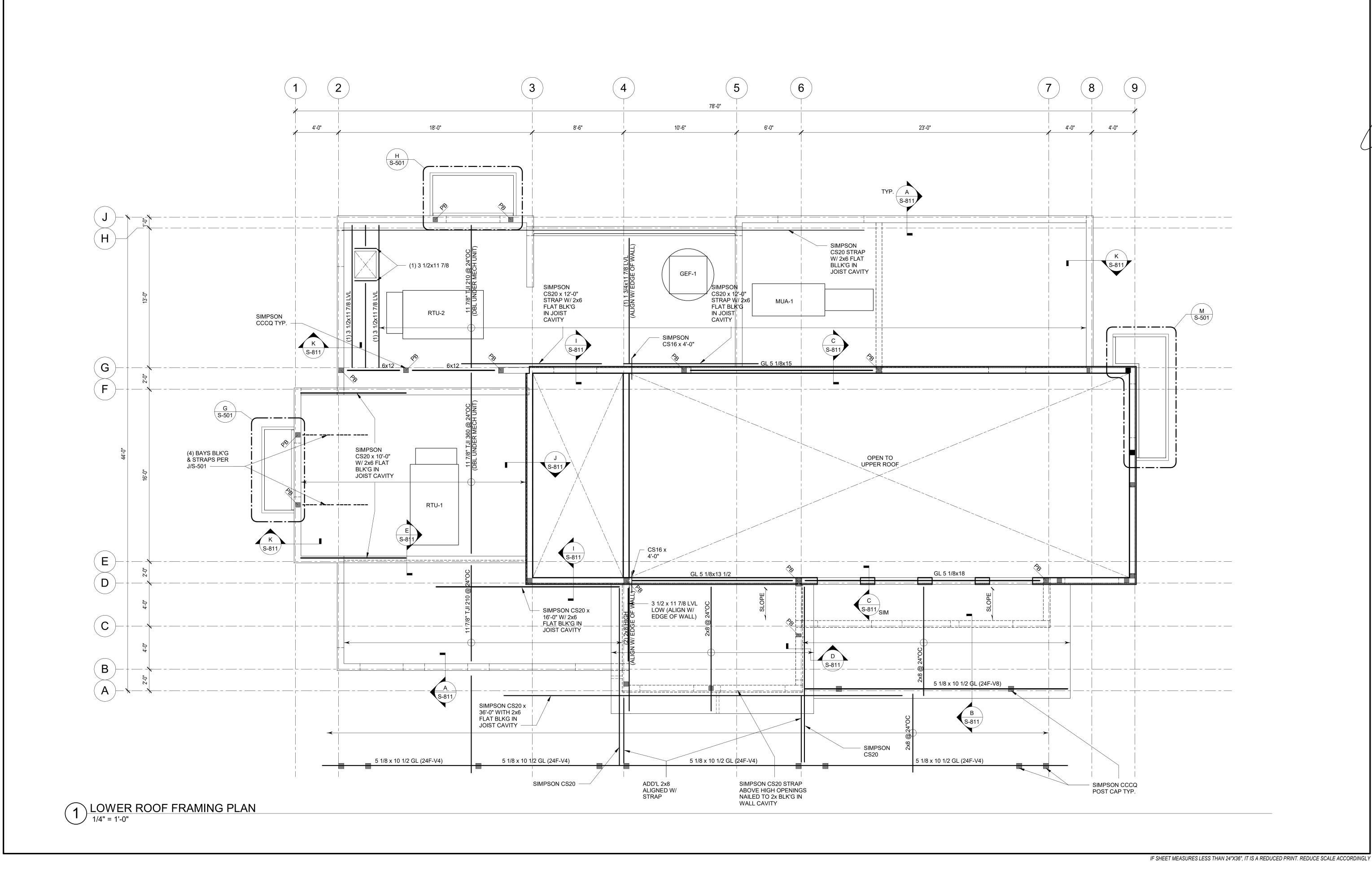
PERMIT SET

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

σ

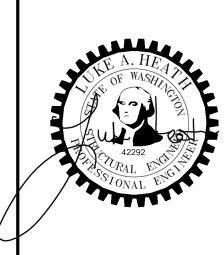
U

0



- 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
- 19/32 APA RATED SHEATHING TYPICAL FOR ROOF SHEATHING, NAIL WITH 80 @ 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 UPTO 8'-0". (1) 4x12 ACCEPTABLE.
 SEE ARCH FOR PLATE HEIGHT.
 BLOCK BELOW SIMPSON CHORD STRAPS WITH 2x FLAT UNO.



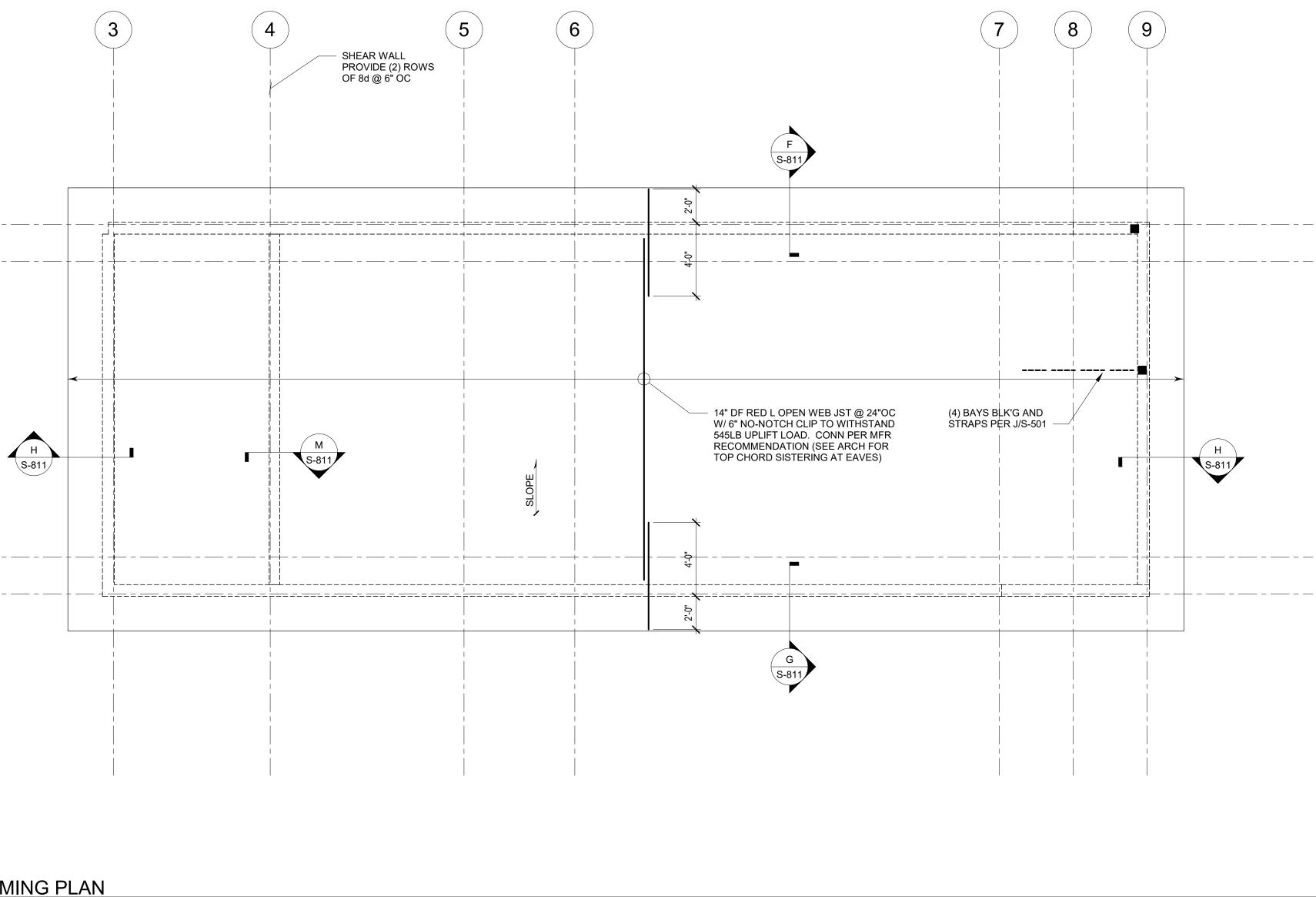


PROJECT NEW CONSTRUCTION TACO TIME EAST MAIN STREET PUYALLUP, WA 98372
REVISIONS
DATE 7.18.2023 BCRA NO. 19110.00 DRAWN BY: Author REVIEWED BY: SHEET TITLE
LOWER ROOF FRAMING PLAN
© COPYRIGHT 2019 - BCRA, INC. ALL RIGHTS RESERVED SHEET
S-122 PERMIT SET



G

E

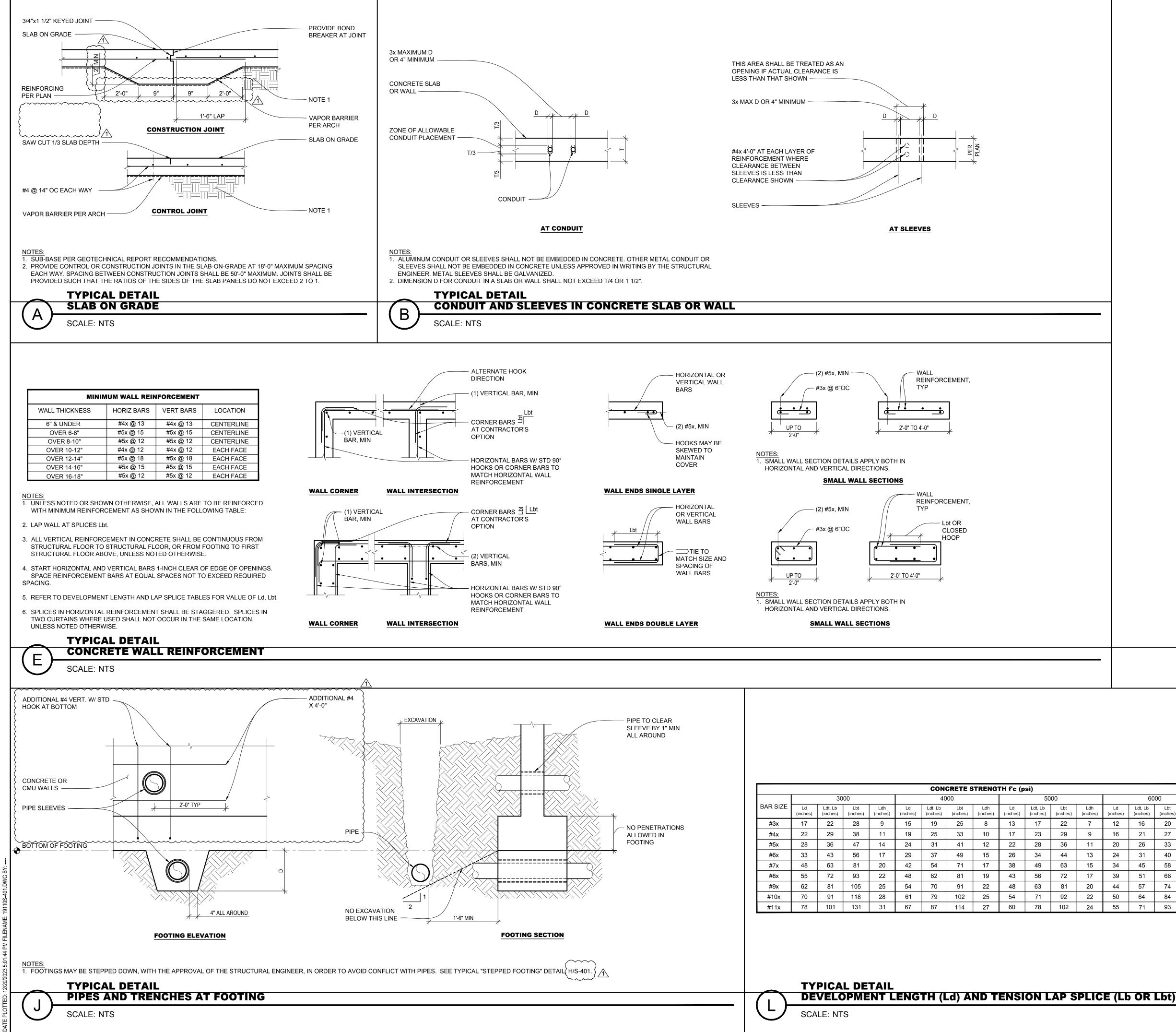


- <u>NOTES:</u>
 SEE S4.01, S4.02, AND S8.01 FOR TYPICAL DETAILS.
 19/32" APA RATED SHEATHING TYPICAL FOR ROOF SHEATHING, NAIL WITH 8d @ 6"OC AT PANEL EDGES AND 12"OC IN THE FIELD.
 SEE ARCHITECTURAL DRAWINGS FOR TOP PLATE ELEVATIONS.
 TYPICAL HEADERS TO BE (2) 2x12 FOR OPENINGS UPTO 8'-0". (1) 4x12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

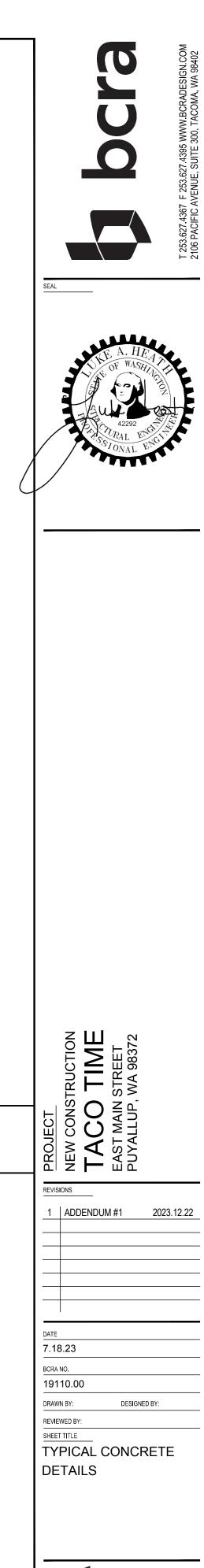




H S-811	PROJECT NEW CONSTRUCTION TACO TIME EAST MAIN STREET PUYALLUP, WA 98372
	DATE 7.18.2023 BCRA NO. 19110.00 DRAWN BY: Author REVIEWED BY: SHEET TITLE UPPER ROOF FRAMING
	PLAN
IF SHEET MEASURES LESS THAN 24"X36", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY	BHEET SHEET SHEET SHEET SHEET SHEET SHEET SHEET SHEET SHEET SHEET SHEET



						CON	CRETE S	TRENG	ГН f'с (р	si)			
		30	00		Î	40	000		5000				
BAR SIZE	Ld (inches)	Ldt, Lb (inches)	Lbt (inches)			Ldt, Lb (inches)	Lbt (inches)	Ldh (inches)	Ld (inches)	Ldt, Lb (inches)	Lbt (inches)	Ldh (inches)	
#3x	17	22	28	9	15	19	25	8	13	17	22	7	
#4x	22	29	38	11	19	25	33	10	17	23	29	9	
#5x	28	36	47 14		24	31	41	12	22	28	36	11	
#6x	33	43	56	17	29	37	49	15	26	34	44	13	
#7x	48	63	81	20	42	54	71	17	38	49	63	15	
#8x	55	72	93	22	48	62	81	19	43	56	72	17	
#9x	62	81	105	25	54	70	91	22	48	63	81	20	
#10x	70	91	118	28	61	79	102	25	54	71	92	22	
#11x	78	101	131	31	67	87	114	27	60	78	102	24	



6000

Ld Ldt, Lb Lbt Ldh (inches) (inches) (inches) (inches)

12 16 20 6

26

31

45

51

57

64

71

16 21

20

24

34

39

44

50

55

27

33

40

66

74

58 14

84 20

93 22

8

10

12

16

18

LAP SPLICE LEGEND

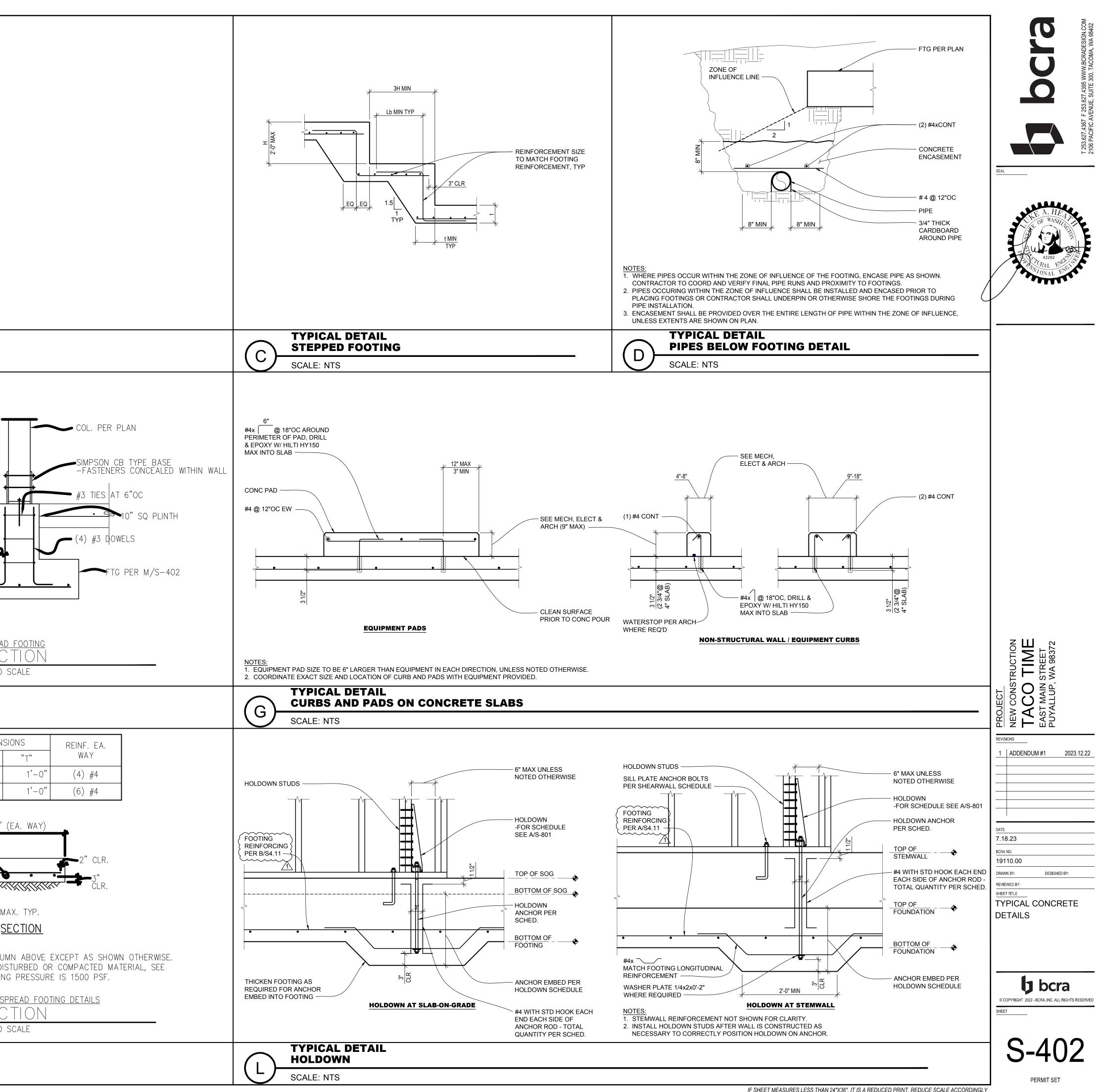
- db = BAR DIAMETER Ld = BOTTOM BAR DEVELOPMENT LENGTH
- Ldt = TOP BAR DEVELOPMENT LENGTH Lb = BOTTOM BAR LAP SPLICE LENGTH
- Lbt = TOP BAR LAP SPLICE LENGTH
- Ldh = HOOKED BAR DEVELOPMENT LENGTH

- 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.

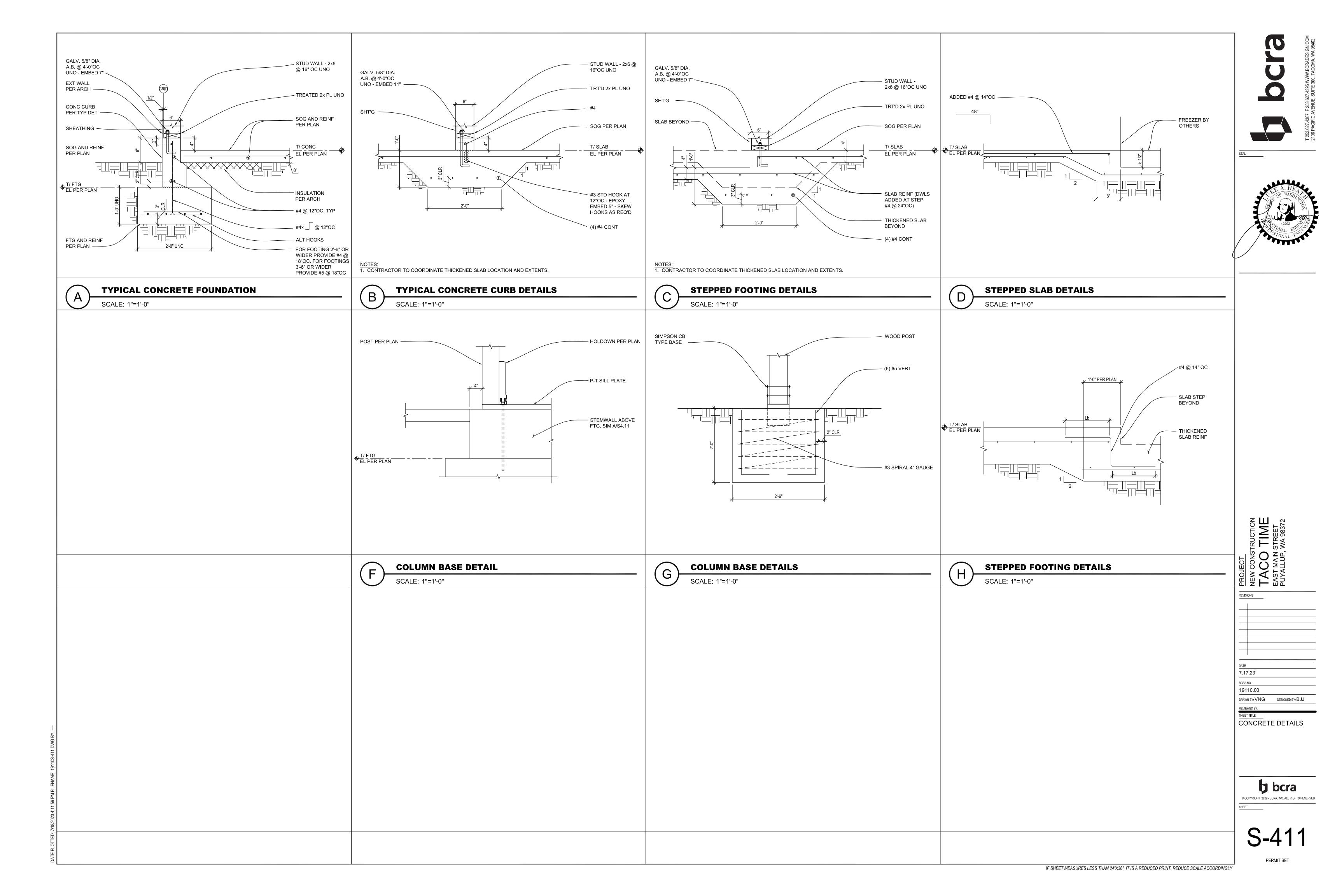
bbcra © COPYRIGHT 2022 - BCRA, INC. ALL RIGHTS RESERVE

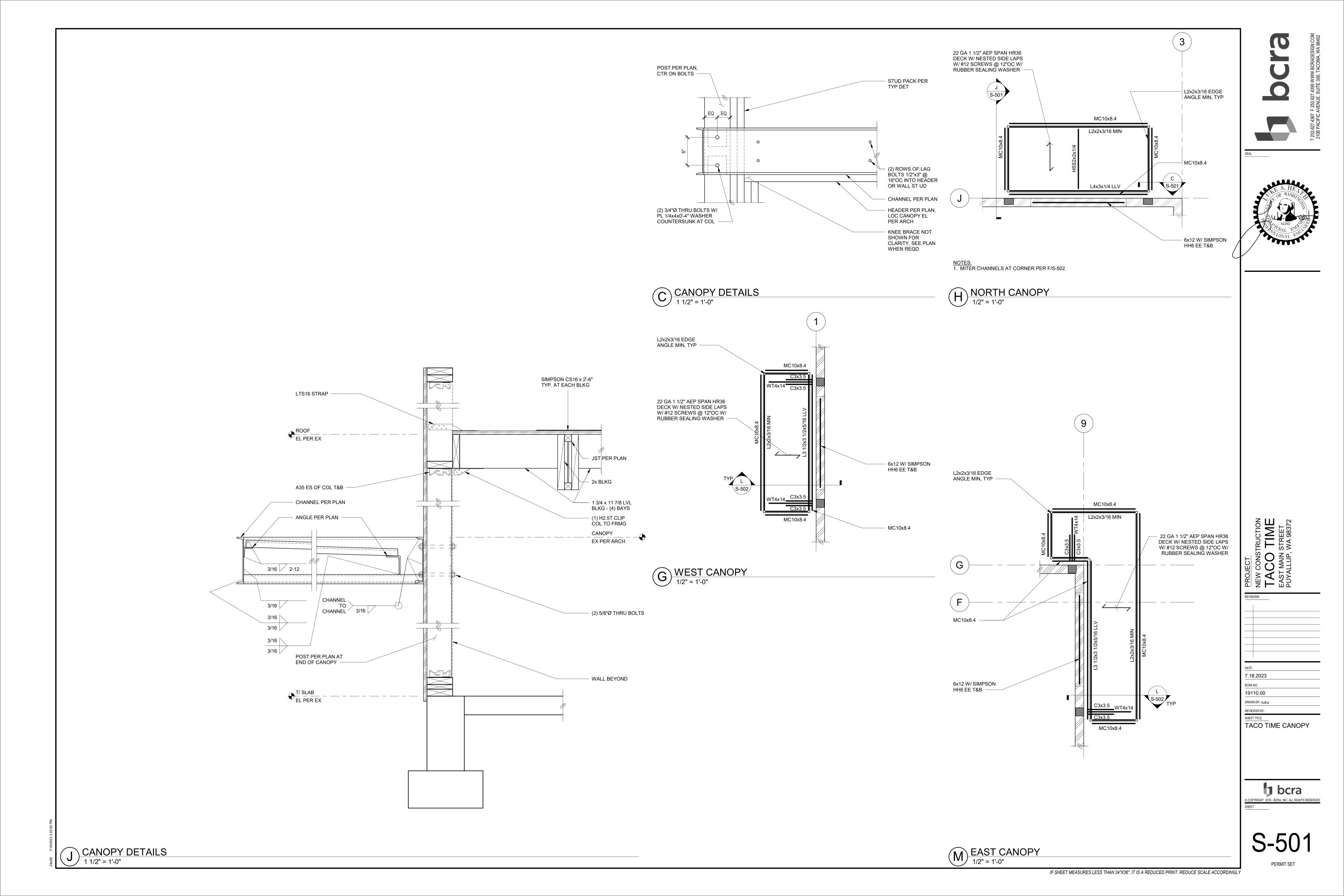
S-41 PERMIT SET

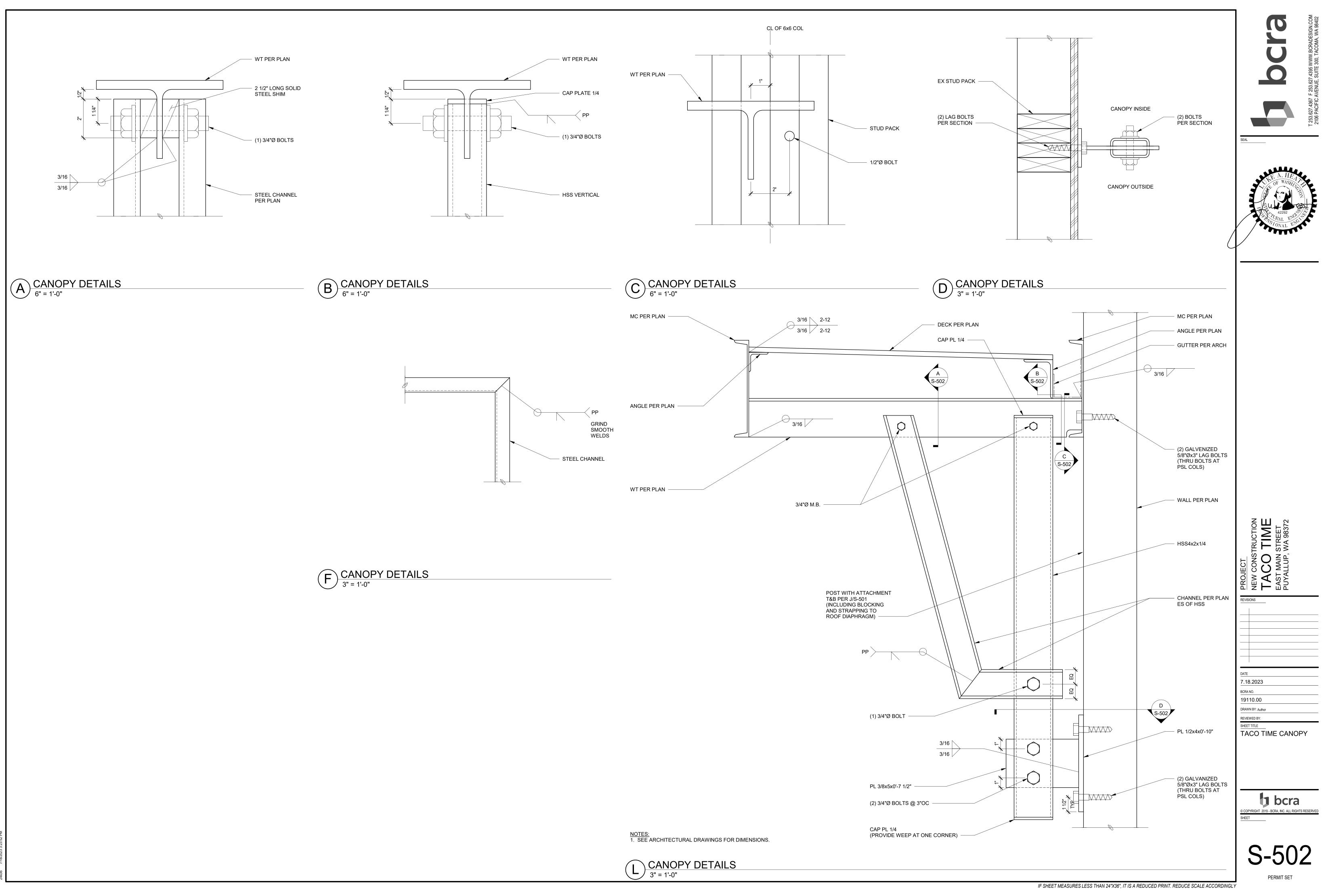
-
2" CLR
• <u> </u>
SEC
NO
DIMEN
W// (XX "W" F3.0 3'-0"
F4.0 4'-0"
REINF. "W" (EVENLY SPACED)
بر 6" ۸
NOTES:
 CENTER ALL FOOTINGS ON COLU FOOTINGS SHALL BEAR ON UNDI GENERAL NOTES. DESIGN BEARIN
<u>TYPICAL CONCRETE S</u>
M NO



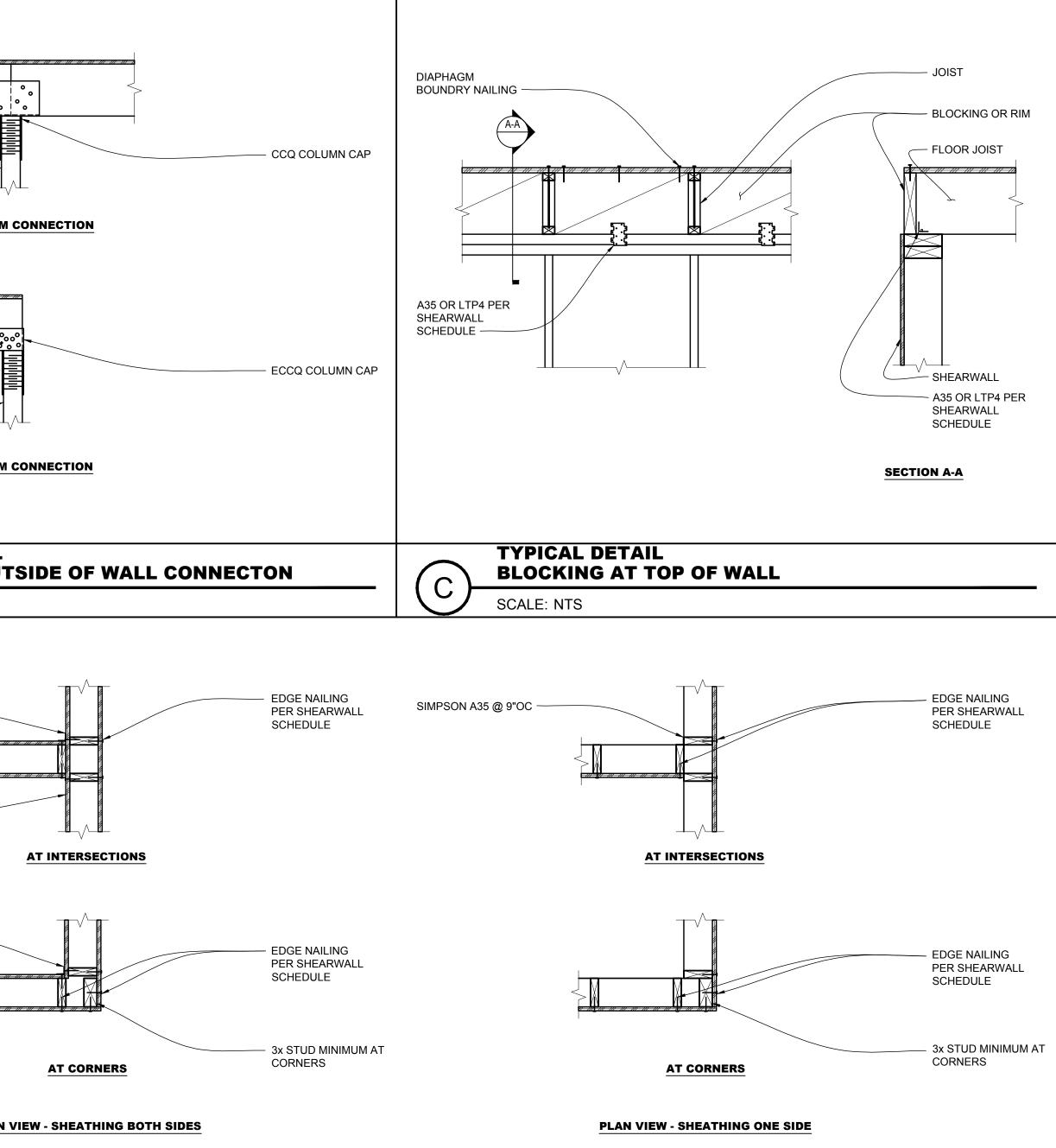
IF SHEET MEASURES LESS THAN 24"X36", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY



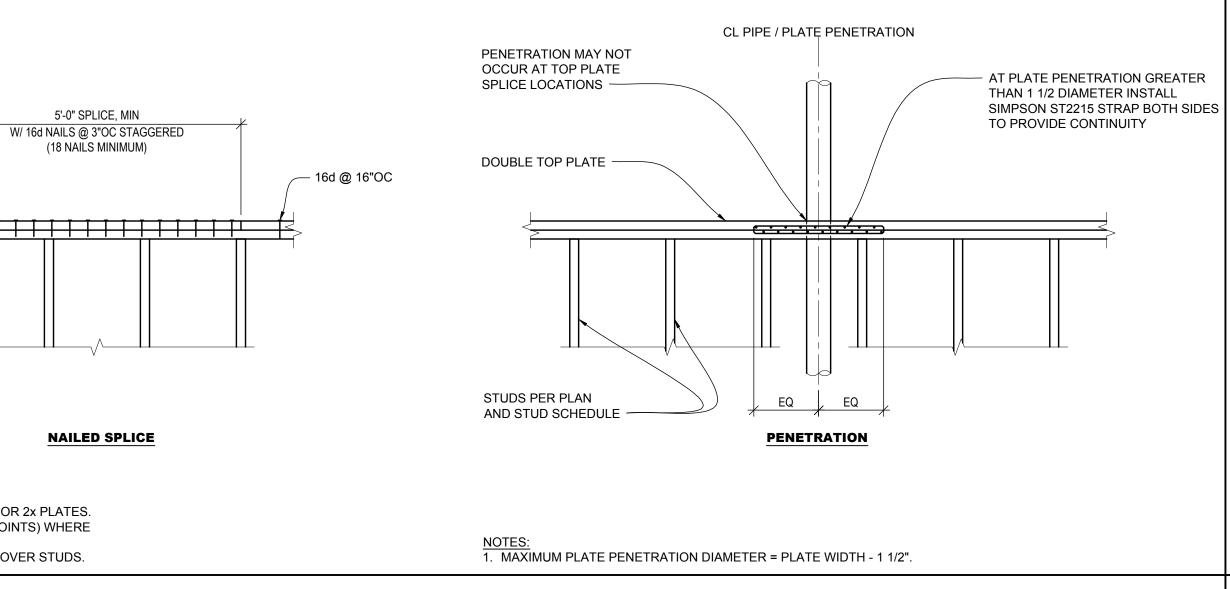




HOLDOWN SCHEDULE	BEAM
FOUNDATION ANCHOR ROD TYPE ¹ HOLDOWN MARK & TYPE ANCHOR ROD ² REQ'D REF. DETAILS DIA. REINF. STUDS REF. DETAILS	POST TWO BEAN
HDU4 5/8" (2) #4 (2) 2x L/S-402 HDU5 5/8" (2) #4 (2) 2x L/S-402	
HDU11 1" (2) #4 6x L/S-402 HDU14 1" (4) #4 6x L/S-402	BEAM
1. ALL HOLDOWNS SHALL BE INSTALLED PER MFR'S RECOMMENDATIONS 2. ALL-THREAD ROD ASTM A36 W/ 3 "x3"x3/8" PLATE W/ DBL. NUTS @ FOUNDATION	POST
	TYPICAL DETAIL
A HOLDOWN SCHEDULE SCALE: NTS	- B BEAM / POST OU SCALE: NTS
	SIMPSON A35 @ 9"OC
	SHEATHING MUST PASS THROUGH WALL INTERSECTION
	SIMPSON A35 @ 9"OC
	PLAN
	F SCALE: NTS
	<u>/</u>
	16d @ 16"OC
	NOTES: 1. MINIMUM PLATE SPLICE IS (16) 16d NAILS FC 2. PROVIDE CONTINUOUS TOP PLATES (NO JO PLATES ARE 14'-0" OR LESS IN LENGTH. 3. PLATE PLITT JOINTS TO OCCUP DIRECTLY O
	3. PLATE BUTT JOINTS TO OCCUR DIRECTLY C TYPICAL DETAIL AT DOUBLE TOP
	SCALE: NTS

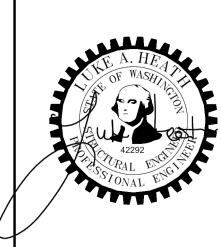


ERSECTION AND CORNERS



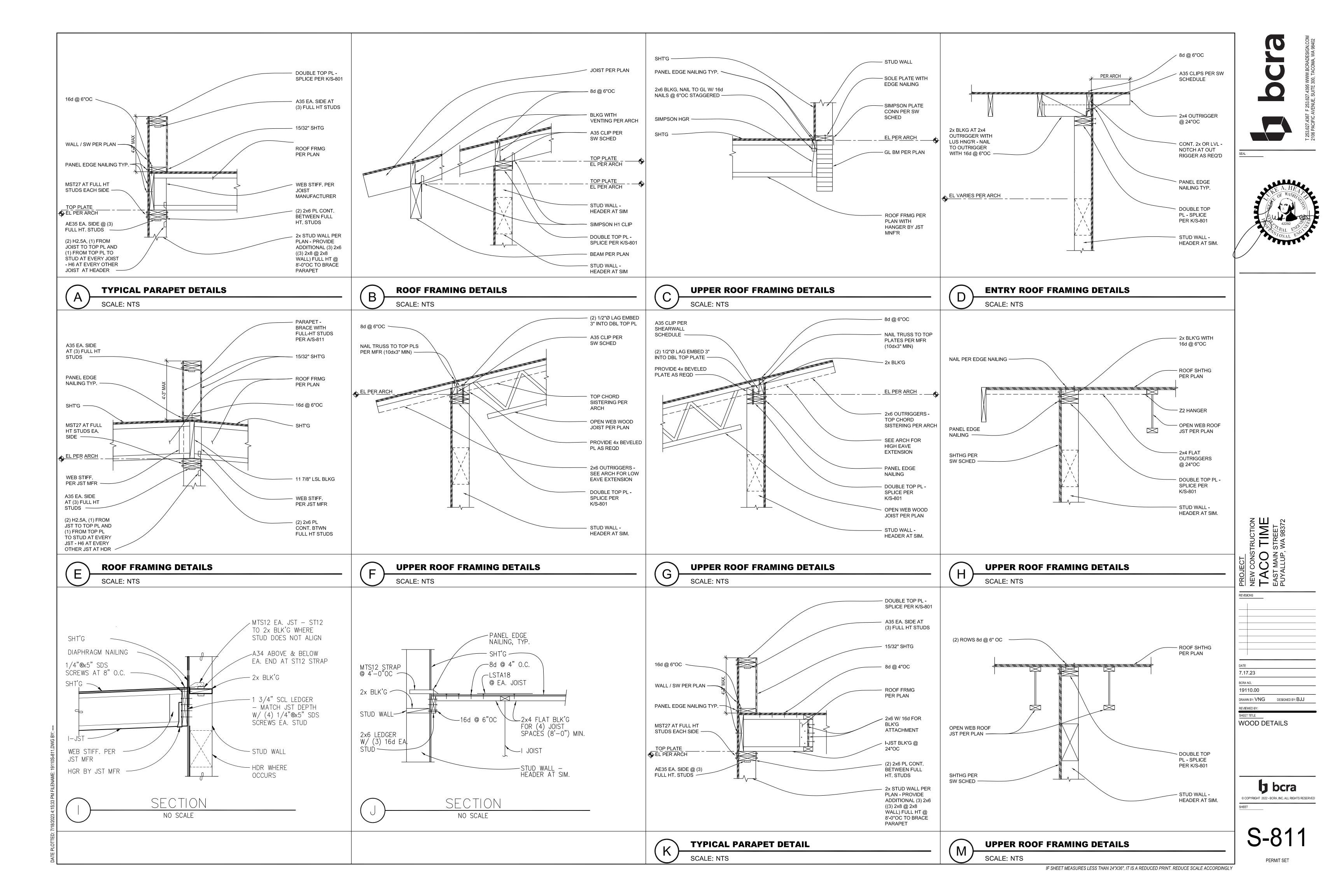
PLATE

bcra	T 253.627.4367 F 253.627.4395 WWW.BCRADESIGN.COM 2106 PACIFIC AVENUE, SUITE 300, TACOMA, WA 98402
SEAL	T 253.627.4367 F 2106 PACIFIC AVI



		SW1 15/32" APA R. SW2 15/32" APA R. SW3 15/32" APA R. (2) SIDES	SHEATHING	NAIL SP	PACING	TOP PLATE / SILL CONNECTION A35 or LTP4	BOTTOM PLATE Connection Wood (Concrete)	MINIMUM FRAMING MEMBER AT PANEL EDGES		VIE A. HEAT
	-	SW1	15/32" APA R.S.	6"	12"	16"	16d @ 4"(5/8" AB @ 44")	2x		A2292 CTURAL ENGINE
		SW2	15/32" APA R.S.	4"	12"	12"	16d @ 4" (5/8" AB @ 30")	3x	4	m
		SW3	15/32" APA R.S. (2) SIDES	4"	12"	8"	(2) ROWS SDS @ 6" (5/8" AB @ 24") (3x SILL PL)	3x		
	-									
	-									
		HORIZ 2. NAILS 3. BOTT	ZONTAL SHEATHING P S TO BE 10D COMMON. OM PLATE TO BE PRE	PANEL BUTT JO SSURE TREAT	DINTS. ED AT ATT	ACHMENT TO CO	NCRETE.			
		OF TH 5. EMBE	HE SHEARWALL EDGE ED ANCHOR BOLTS 7" I	NAILING SHAL MINIMUM. PLAC	L BE STAG	GERED EQUALL	Y BETWEEN SISTE	RED MEMBERS.		
		6. RESIL SHEA	IENT CHANNELS SHAI RWALLS.	LL NOT BE USE				JDS AT		
										ION 10N 1372
										ECT CONSTRUCTION CO TIME MAIN STREET ILLUP, WA 98372
	6	2	TYPICAL DI Shearwal		DULE					PROJECT NEW CONS TACO EAST MAIN PUYALLUP,
	Ľ	ソ	SCALE: NTS							
		12" UNL D OTHEF								REVISIONS 1 ADDENDUM #1 2023.12.22
								SPLICE PER K/S-	801	
6	*							HEADER, (2) 2X12		
	HEADER				5			(4) 16d MIN		DATE 7.18.23
	<u>↓</u> L <u>SECTI</u>	<u></u> On A-A						- DOUBLE KING ST	rud,	BCRA NO. 19110.00
								UNO		DRAWN BY: DESIGNED BY: REVIEWED BY: SHEET TITLE
					×					TYPICAL WOOD DETAILS
					`\					
				<u>∕</u> √ ∏						
								 CRIPPLE STUD W @ 12"OC STAGG 		© COPYRIGHT 2022 - BCRA, INC. ALL RIGHTS RESERVED
	NOTE				TEO					SHEET
	1. FO	K NAILS	NOT SHOWN, SEE STR		IES.					S-801
		1)-	HEADER SCALE: NTS						_	
				IF SHEET M	EASURES LES	SS THAN 24"X36", IT	IS A REDUCED PRINT. F	REDUCE SCALE ACCOR	DINGLY	

SHEARWALL SCHEDULE



	MECHANICAL LE	EGEND		2018 WSEC COMPLIANCE
GENERAL		VENTILATION (CONT	-)	1. HVAC LOAD CALCULATIONS MEET THE REQUIREMENTS OF WSEC SECTION C403.1.2
SYMBOL	DESCRIPTION	DOUBLE SINGLE	DESCRIPTION	AND EQUIPMENT HAS BEEN SIZED IN ACCORDANCE WITH WSEC SECTION C403.1.2 2. HVAC EQUIPMENT SHALL HAVE MINIMUM PERFORMANCE AT SPECIFIED RATING
	HEAVY LINE INDICATES NEW WORK LIGHT LINE INDICATES EXISTING WORK OR BACKGROUND		VOLUME DAMPER	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 CONTRA
	CENTERLINE PIPELINE – NORMAL DIRECTION OF FLOW		BACKDRAFT DAMPER	DOCUMENTS.
	KEY NOTE CALLOUT		COMBINATION FIRE/SMOKE DAMPER (PROVIDE ACCESS)	3. FAN SYSTEM MOTOR SIZE SHALL NOT EXCEED LIMITS OF WSEC SECTION C403.8.2
	REVISION CALLOUT		INDICATES RISE OR DROP	4. PROVIDE DEADBAND BETWEEN HEATING/COOLING SPACE SENSOR SETPOINTS OF 5 DEGREES AS REQUIRED BY WSEC.
P1	PLUMBING FIXTURE OR DRAIN CALLOUT, SEE SCHEDULE		FLEXIBLE DUCTWORK	5. SIMULTANEOUS HEATING AND COOLING TO INDIVIDUAL ZONES SHALL BE PROHIBITE EXCEPT WHERE PERMITTED IN THE WSEC.
	KITCHEN EQUIPMENT CALLOUT, SEE KITCHEN DOCUMENTS POINT OF CONNECTION		FLEXIBLE CONNECTOR	6. HVAC SYSTEMS SHALL BE EQUIPPED WITH AUTOMATIC CONTROLS CAPABLE OF ACCOMPLISHING SETBACK OR SHUTDOWN DURING UNOCCUPIED PERIODS AS REQU
EF-1	EQUIPMENT CALLOUT, SEE SCHEDULE		-SUPPLY GRILLE (SIDEWALL)	BY WSEC SECTION C403.4.2. 7. GRAVITY DAMPERS FOR VENTILATION AIR INTAKES SHALL BE PROTECTED FROM DIR
CD2-300	DIFFUSER OR GRILLE CALLOUT, SEE SCHEDULE — VOLUME FLOW RATE (CFM), NONE INDICATED		-RETURN/EXHAUST GRILLE (SIDEWALL)	EXPOSURE TO WIND. GRAVITY DAMPERS SERVING EXHAUST SYSTEMS SHALL BE PROVIDED WITH A GASKETED SEAL.
	FOR TRANSFER GRILLE — DIFFUSER OR GRILLE TYPE	<u>SYMBOL</u>	DESCRIPTION CEILING DIFFUSER (4–WAY AIRFLOW)	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
Ø	INDICATES DIAMETER OR ROUND		CEILING DIFFUSER (3-WAY AIRFLOW)	
1 M-2	DETAIL CALLOUT: — INDICATES DETAIL NUMBER		CEILING DIFFUSER (2-WAY AIRFLOW)	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 A
	- SHEET NUMBER WHERE DETAIL IS DRAWN		CEILING DIFFUSER (1-WAY AIRFLOW)	BALANCING IN ACCORDANCE WITH THE REQUIREMENTS OF IMC CHAPTER 6.
	SECTION CALLOUT: \sim INDICATES DIRECTION OF CUTTING PLANE		ROUND DIFFUSER	10. ALL DUCTWORK SHALL COMPLY WITH SMACNA STANDARDS FOR CONSTRUCTION OF GALVANIZED DUCTWORK. ALL DUCTORK ON THIS PROJECT SHALL BE RATED AS LC PRESSURE. ALL DUCTWORK SHALL BE SEALED AS REQUIRED BY WSEC SECTION
M-2	- INDICATES SECTION LETTER	<u>~</u> ~ _∿-	RETURN/EXHAUST GRILLE RETURN GRILLE WITH BOOT	C403.2.10.2
VENTILATION	- SHEET NUMBER WHERE SECTION IS DRAWN		LINEAR DIFFUSER (FLOW ARROW	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,
DOUBLE SINGLE	DESCRIPTION	EQUIPMENT	SHOWN ONLY IF AIRFLOW IS ONE DIRECTIONAL)	CLEAR DUCT SIZES. 12. ALL PIPING SHALL BE INSULATED AS REQUIRED BY WSEC SECTION C403.10.3.
24x12	DUCT: 1ST SIZE (IN) INDICATES SIDE SHOWN, 2ND SIZE (IN) INDICATES SIDE NOT SHOWN, INSIDE FREE AREA	<u>SYMBOL</u>	DESCRIPTION	13. MINIMUM MOTOR EFFICIENCY FOR MOTORS SHALL MEET THE REQUIREMENTS OF W
	SOUNDLINED DUCT	(T) (D)	THERMOSTAT OR TEMP. SENSOR CO2 SENSOR	SECTION C405.8.
	SUPPLY AIR DUCT - TURNING UP OR TOWARD	Ð	PRESSURE SENSOR	14. COMPLY WITH ALL COMMISSIONING AND COMPLETION REQUIREMENTS OF SECTIONS C103.6 AND C408 OF THE WSEC.
	SUPPLY AIR DUCT - TURNING DOWN OR AWAY			
	RETURN OR EXHAUST AIR DUCT – TURNING UP OR TOWARD			ABBREVIATIONS
	RETURN OR EXHAUST AIR DUCT – TURNING DOWN OR AWAY			
	ROUND DUCT - TURNING UP OR TOWARD			AFF ABOVE FINISHED FLOOR IN INCH ARCH ARCHITECTURAL KW KILOWATT BDD BACKDRAFT DAMPER LBS POUNDS
	ROUND DUCT – TURNING DOWN OR AWAY TRANSITION			CFM CUBIC FEET PER MINUTE MAX MAXIMUM CO CLEANOUT MCA MINIMUM CURRENT AMPACI
	TRANSITION - ROUND TO RECTANGULAR			CONTCONTINUATIONMECHMECHANICALCWCOLDWATERMFRMANUFACTURERDEGDEGREEMINMINIMUM
	TURNING VANES IN RECTANGULAR DUCT TURN			DIA DIAMETER MOD MOTOR OPERATED DAMPER DN DOWN OA OUTSIDE AIR EF EXHAUST FAN POC POINT OF CONNECTION
	90° ELBOW (RADIUS = 1.5 x ELBOW DIAMETER)			ESP EXTERNAL STATIC PRESSURE RPM REVOLUTIONS PER MINUTE EXIST (E) EXISTING SF SUPPLY FAN/SQUARE FEE F FAHRENHEIT SPEC SPECIFICATION
				FDFLOOR DRAINTSPTOTAL STATIC PRESSUREFLAFULL LOAD AMPACITYTYPTYPICAL
	RECTANGULAR BRANCH CONNECTION WITH 45° TAPER			FPMFEET PER MINUTEVVENTFTFEET/FOOTVTRVENT THROUGH ROOFGPMGALLONS PER MINUTEWWASTE/WATT
	CONICAL BRANCH CONNECTION			HW HOT WATER WG WATER GAGE
	45° LATERAL FITTING			
	45° LATERAL FITTING WITH 45° ELBOW			APPLICABLE CODES
	90° CONICAL TEE FITTING			PROJECT SHALL COMPLY WITH THE FOLLOWING BUILDING CODES WITH LOCAL AND WASHINGTON STATE AMENDMENTS:
	BELLMOUTH BRANCH CONNECTION			1. 2018 INTERNATIONAL BUILDING CODE 2. 2018 INTERNATIONAL MECHANICAL CODE 3. 2018 UNIFORM PLUMBING CODE
	90° DIVERGING TEE	E Main Ave E Mai	in Ave E Main Ave E Main Ave	4. 2018 WASHINGTON STATE ENERGY CODE 5. 2018 INTERNATIONAL FUEL GAS CODE
	90° DIVERGING TEE		12th S	
	AUTOMATIC CONTROL DAMPER – OPPOSED BLADE (PROVIDE ACCESS)		See .	
		VICINITY PLAN		

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.

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

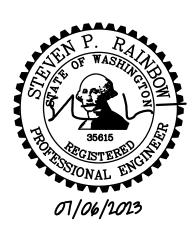
LEGAL DESCRIPTION: SECTION 27 TOWNSHIP 20 RANGE 04 QUARTER 13 SPINNINGS FRANK R REPLAT PARCEL '2' OF DBLR 2003-05-28-5004 DESC AS FOLL S 163.57 FT OF E 124.08 FT OF L 4 & S 163.57 FT OF W 93.01 FT OF L 5 SUBJ TO & TOG/W EASE, RESTRICT & RESERV OF REC OUT OF 003-1, 0 RTSQ

2 7.4395 SUITE U ⊥ ≩ .627.4367 PACIFIC \mathbf{m} 253. 2106 SEAL

253 FN



336 NW 50th Street Seattle, WA 98107 Phone: 206.235.6002 rainbowconsulting-me.com



	NEW CONSTRUCTION	TACO TIME	EAST MAIN STREET	PUYALLUP, WA 98372			
VIS	ONS						
						_	

DATE	
7.6.2023	

BCRA NO. 19110.00.00

DRAWN BY: REVIEWED BY:

SHEET

ABBREVIATIONS NOTES, LEGEND VICINITY MAP DRAWING INDEX

BCRA 🖻 OCOPYRIGHT 2019 - BCRA, INC. ALL RIGHTS RESERVED

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

TYF	PE I KITC	HEN HOO	D																
MARK	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY		TOTAL EXH CFM	WIDTH	EXHAUST PLENUM RISER(S) WIDTH LENG HEIGHT DIA CFM VEL S				SP	TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD (END TO END	RDW	
H-1	5424 ND-2-PSP-F	CAPTIVEAIRE	14′ 6″	600 DEG	Ι	HEAVY	240	3480			4″ 4″	14″ 14″	1740 1740	1628 1628	-0.723″ -0.723″	3132	430 SS WHERE EXPOSED	ALONE	ALONE

TYF	TYPE I KITCHEN HOODS (CONT.)																
	FILTER(S)					LIGHT(S)					UTIL	ITY CABINET(S)		FIRE	НООД	
MARK	< TYPE				EFFICIENCY @ 7		TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM		ELECTRICAL	SWITCHES		HANGING	NDTES
		QTY	HEIGHT	[LENGTH	MICRONS	QTY					TYPE	SIZE	MODEL #	QUANTITY			
H-1	CAPTRATE	10	20″	16″	85% SEE FILTER	5	SCREW IN	ND	LEFT	12″×54″×24″	TANK FS	4.0/4.0/4.0	DC∨-1111	1 LIGHT	YES	1352	[1,2,3,4,5,6]
	SOLO FILTER				SPEC		HALDGEN						1 FAN			LBS	

PEF	RFOR	ATED	SUP	PLY P	LENU	JMS				
								RISER	(2)	
MARK	POS	LENGTH	WIDTH	HEIGHT	TYPE	WIDTH	LENG	DIA	CFM	SP
					MUA	12″	28″		783	0.229″
		10//	10/		MUA	12″	28″		783	0.229″
H-1 Front	ont 186"	18″	6″	MUA	12″	28″		783	0.229″	
					MUA	12″	28″		783	0.229″

GR	EASE EX	KHAUST FA	NS												
MARK	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	ΗP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES	NDTES
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				·	·	· · · · · ·		•	· · · ·			· · · · · · · · · · · · · · · · · · ·		•	

 $\underline{\mathsf{NOTLS}}$ 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	, REGISTE	ERS & DIFF	-USERS								
MARK		CD1	CD3	CD4	CD5	CD6	CD7	RG1	RG2	EG1	
ITEM	SERVICE	SUPPLY	SUPPLY	SUPPLY	SUPPLY	SUPPLY	SUPPLY	RETURN	RETURN	EXHAUST	
	LOCATION	EXPOSED OR LID	LAY-IN CEILING	LAY-IN CEILING	LAY-IN CEILING	HARD LID	HARD LID	LAY-IN CEILING	SIDE WALL	HARD LID	
	DESCRIPTION	ROUND DIFFUSER	LOUVERED DIFFUSER	LOUVERED DIFFUSER	PERF. DIFFUSER	LOUVERED DIFFUSER	SLOT DIFFUSER	EGGCRATE	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]	

<u>NOTES:</u>

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.

East Dinin	g	Dining/Queu	ing	West Dinir	ng	Office		Dry Storag	ge/Kitchen	Drive Thru	u 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	Ra	0.7	Ra	0.7	Ra	0.7
Az	660	Az	452	Az	234	Az	36	Az	351	Az	151	Az	240	Az	180
√bz = Rp*	Pz + Ra*Az	Vbz = Rp*Pz	z + Ra*Az	Vbz = Rp*	Pz + Ra*Az	Vbz = Rp	*Pz + Ra*Az	Vbz =Ra*A	Az	Vbz =Ra*	Az	Vbz =Ra*Az		Vbz =Ra*A	Z
Vbz =	389	Vbz =	231	Vbz =	162	Vbz =	7	Vbz =	246	Vbz =	106	Vbz =	168	Vbz =	126

<u>NOTES:</u>

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.

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]

<u>NOTES:</u> 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 F	ANS	
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.

PROJECT NEW CONSTRUCTION TACO TIME EAST MAIN STREET PUYALLUP, WA 98372
REVISIONS
I
DATE
7.6.2023
BCRA NO.
19110.00.00
DRAWN BY:

2

U

 \mathbf{m}

Rainbow

CONSULTING

07/06/2013

.627.4367 PACIFIC /

253 106

336 NW 50th Street Seattle, WA 98107 Phone: 206.235.6002

rainbowconsulting-me.com

	PROJECT NEW CONSTRUCTION TACO TIME EAST MAIN STREET PUYALLUP, WA 98372
	REVISIONS
E ACCORDINGLY	BCRA COPYRIGHT 2019 - BCRA, INC. ALL RIGHTS RESERV SHEET MALASSA

DUCT INSU	LATION (PER WSEC SECTIO	N C403.	10.1 CL	IMATE 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	

RTU FAULT DETECTION & DIAGNOSTICS

RTU-1 AND RTU-2 SHALL INCLUDE A FAULT DETECTION AND DIAGNOSTICS (FI SYSTEM COMPLYING WITH THE FOLLOWING:

1. THE FOLLOWING TEMPERATURE SENSORS SHALL BE PERMANENTLY INSTAL TO MONITOR SYSTEM OPERATION:

- 1.1. OUTSIDE AIR. 1.2. SUPPLY AIR.
- 1.3. RETURN AIR.

2. TEMPERATURE SENSORS SHALL HAVE AN ACCURACY OF $\pm 2^{\circ}$ F OVER THE RANGE OF 40°F TO 80°F.

3. REFRIGERANT PRESSURE SENSORS, WHERE USED, SHALL HAVE AN ACCURACY OF ± 3 PERCENT OF FULL SCALE.

4. THE UNIT CONTROLLER SHALL BE CONFIGURED TO PROVIDE SYSTEM STAT BY INDICATING THE FOLLOWING:

- 4.1. FREE COOLING AVAILABLE.
- 4.2. ECONOMIZER ENABLED.

GAS/ELECTRIC ROOFTOP UNITS				
MARK		RTU-1	RTU-2	
LOCATION		ROOF	ROOF	
SERVES		DINING/QUEUING	KITCHEN/OFFICE/RF	
DESCRIPTION	NOM CLG: TONS	6	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]	

<u>NOTES:</u>

1. PROVIDE WITH 7-DAY PROGRAMMABLE THERMOSTAT CAPABABLE OF BEING SET FOR SEVEN

DIFFERENT DAY TYPES PER WEEK BY TRANE. 2. 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. 3. CAPACITY PER ARI STANDARDS.

- 4. 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) 5. PROVIDE CO2 SENSOR OPTION & RELATED CONTROLS; PROVIDE OPTIMUM START CONTROLS.
- 6. PROVIDE VARIABLE SPEED FAN CONTROL.
- 7. PROVIDE WITH LOW LEAKAGE ECONOMIZER FOR HORIZONTAL DUCT CONFIGURATION, MICROMETL ECE-PRCCECB-DREB
- 8. WEIGHT DOES NOT INCLUDE ROOF CURB.
- 9. PROVIDE COMPRESSOR WITH VARIABLE SPEED CONTROL.

(FDD) Alled	 4.3 COMPRESSOR ENABLED. 4.4 HEATING ENABLED. 4.5 MIXED AIR LOW LIMIT CYCLE ACTIVE. 4.6 THE CURRENT VALUE OF EACH SENSOR.
	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.
Ξ	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.
TATUS	 THE FDD SYSTEM SHALL BE CONFIGURED TO DETECT THE FOLLOWING FAULTS: AIR TEMPERATURE SENSOR FAILURE/FAULT. NOT ECONOMIZING WHEN THE UNIT SHOULD BE ECONOMIZING. ECONOMIZING WHEN THE UNIT SHOULD NOT BE ECONOMIZING. AMPER NOT MODULATING. EXCESS OUTDOOR AIR.

SECTION C406.2

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

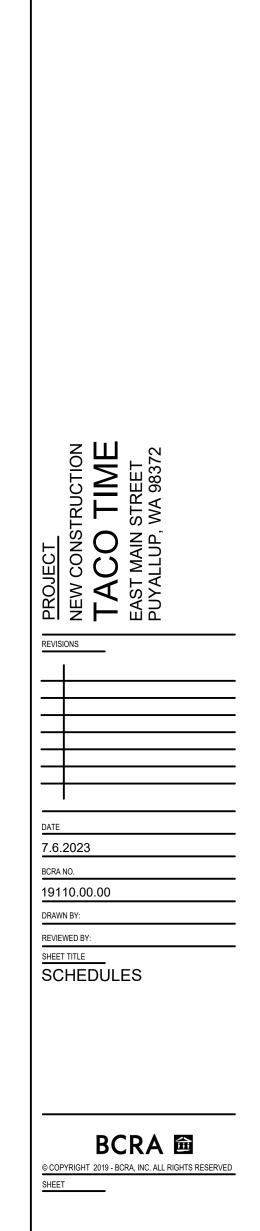
6-TON RTU MINIMUM EER RATING = 11.0. 105% OF 11.0 = 11.6. PROVIDED EER RATING = 12.8 (110%)6-TON RTU MINIMUM IEER RATING = 12.7. 105% OF 12.7 =13.3. PROVIDED EER RATING = 23.2 (183%)

MINIMUM AFUE RATING = 80.0.105% OF 80.0 = 84.0.WEIGHTED AVERAGE AFUE RATING = 86.2

WEIGHTED AVERAGE EXCEEDS 15%.

TABLE C406.1 EFFICIENCY PACKAGE CREDITS

1. MORE EFFICIENT HVAC PERFORMANCE IN ACCORDANCE WITH



M-3 PERMIT SET

 $\boldsymbol{\alpha}$ \mathbf{m}



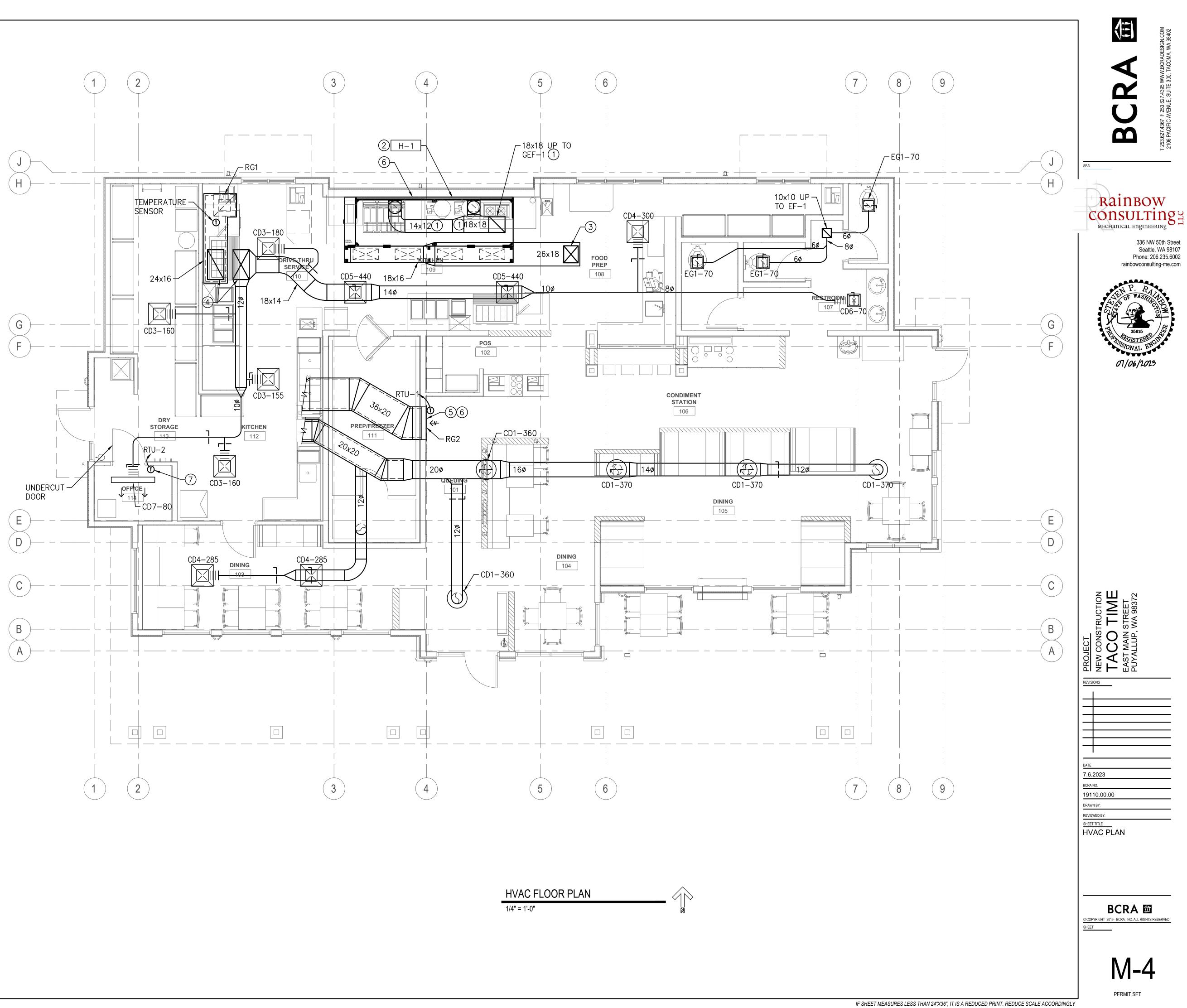
07/06/2013

Rainbow

- 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.
- 4. 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:

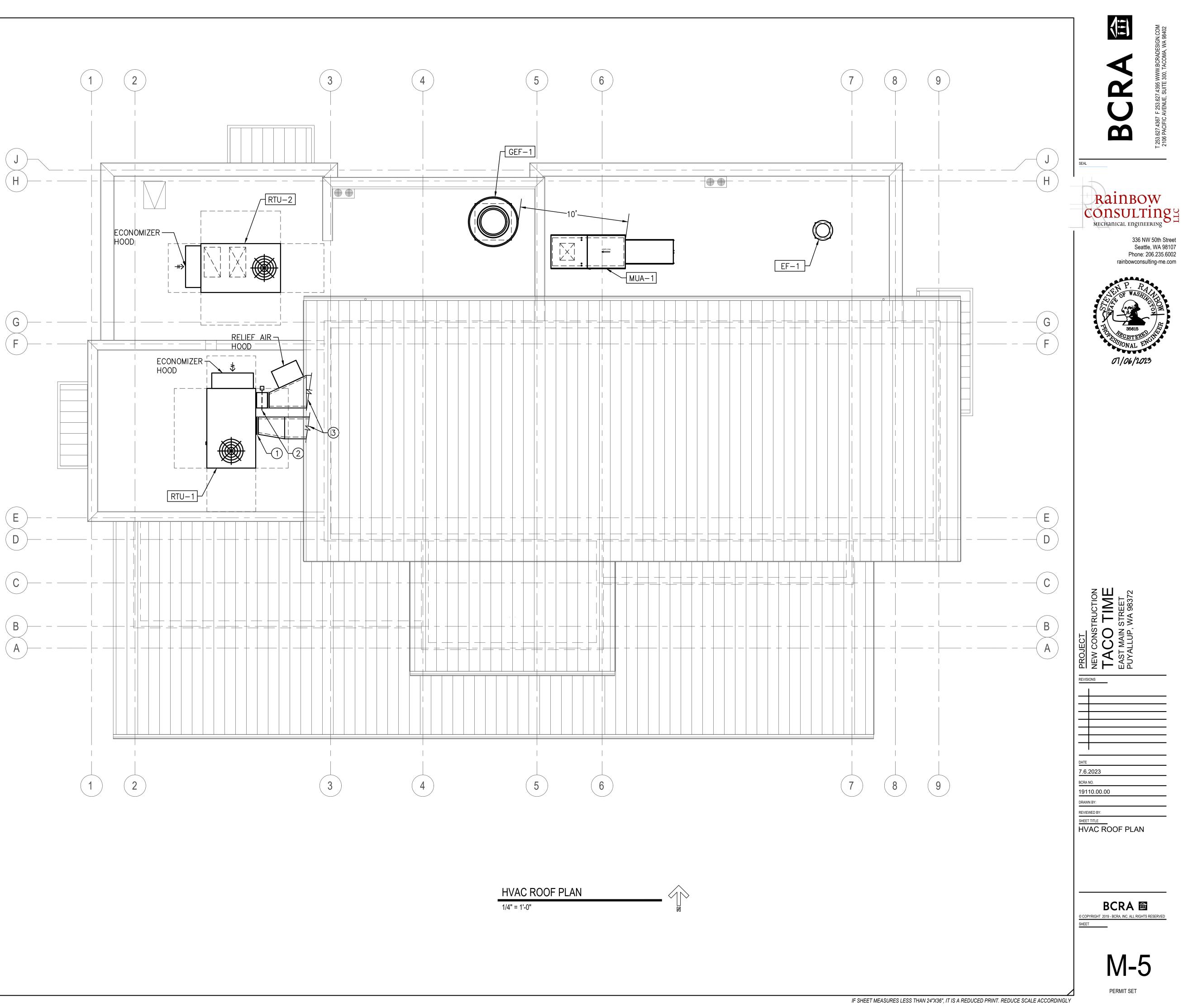
- (1) WRAP ALL GREASE EXHAUST DUCTWORK WITH 3M FIRE BARRIER DUCT WRAP 615+, 2 LAYERS, 1.5-IN THICK, 2-HR FIRE RATING PER ASTM E 2336 AND NFPA-96.
- (2) PROVIDE FULL SIZE SUPPLY AIR PLENUM DUCT AND EXHAUST DUCT CONNECTIONS PER THE HOOD SCHEDULE. PROVIDE 3-INCH INSULATED BACKING WITH HOOD.
- (3) FULL SIZE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

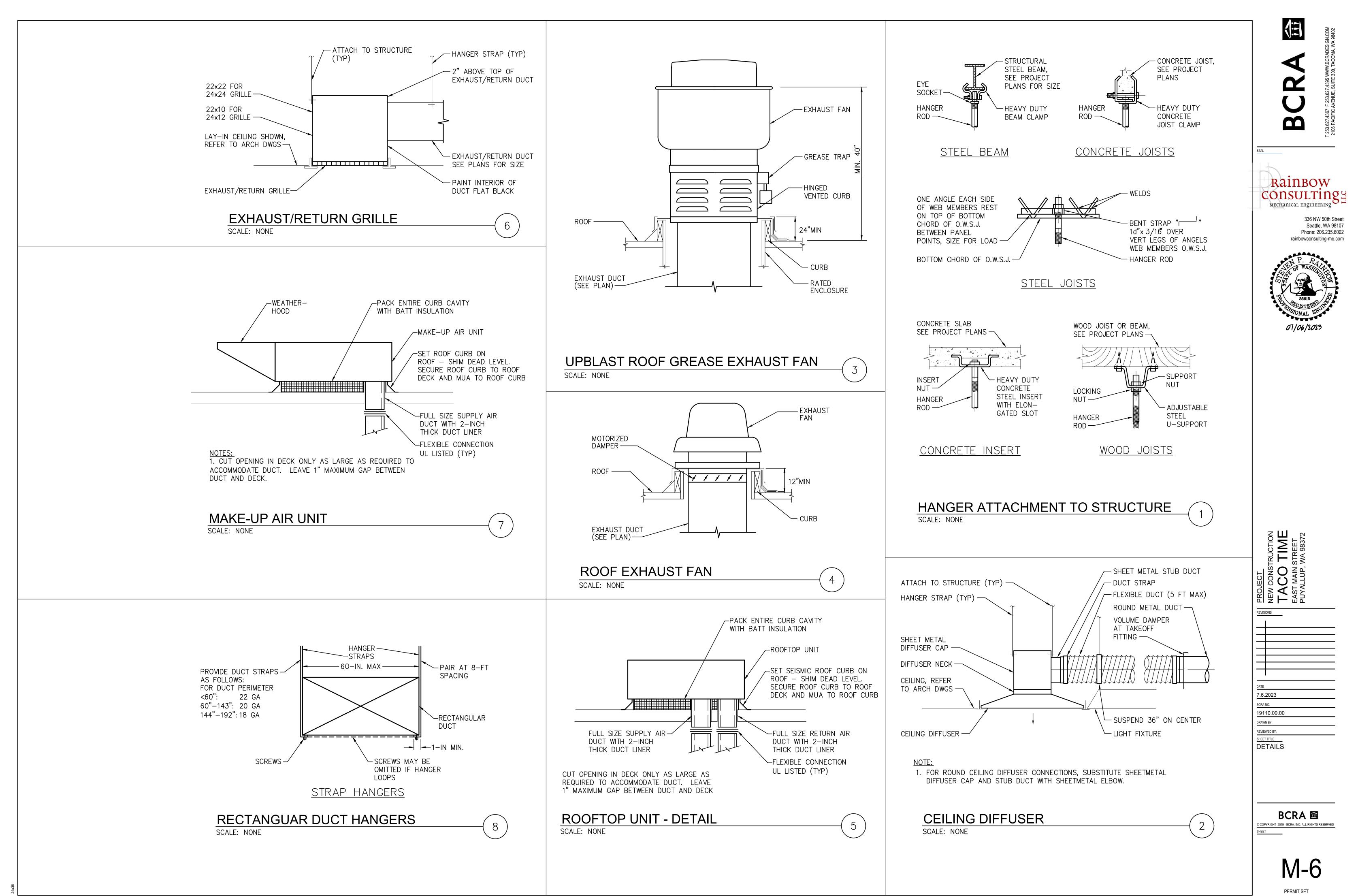


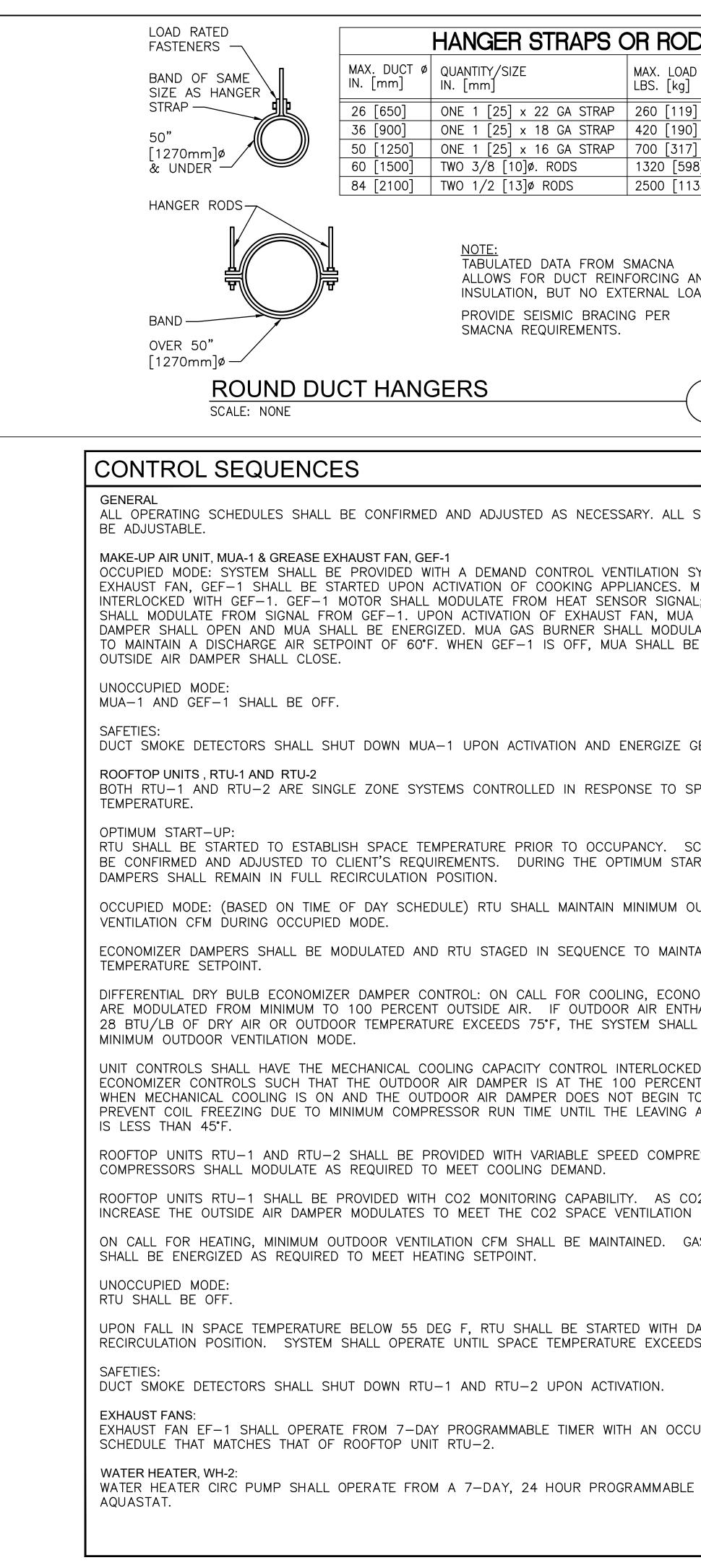
PLAN NOTES: 1. REFER TO ARCHITECTURAL DOCUMENTS FOR SCREENING OF MECHANICAL EQUIPMENT ON THE ROOF AS REQUIRED.

KEY NOTES:

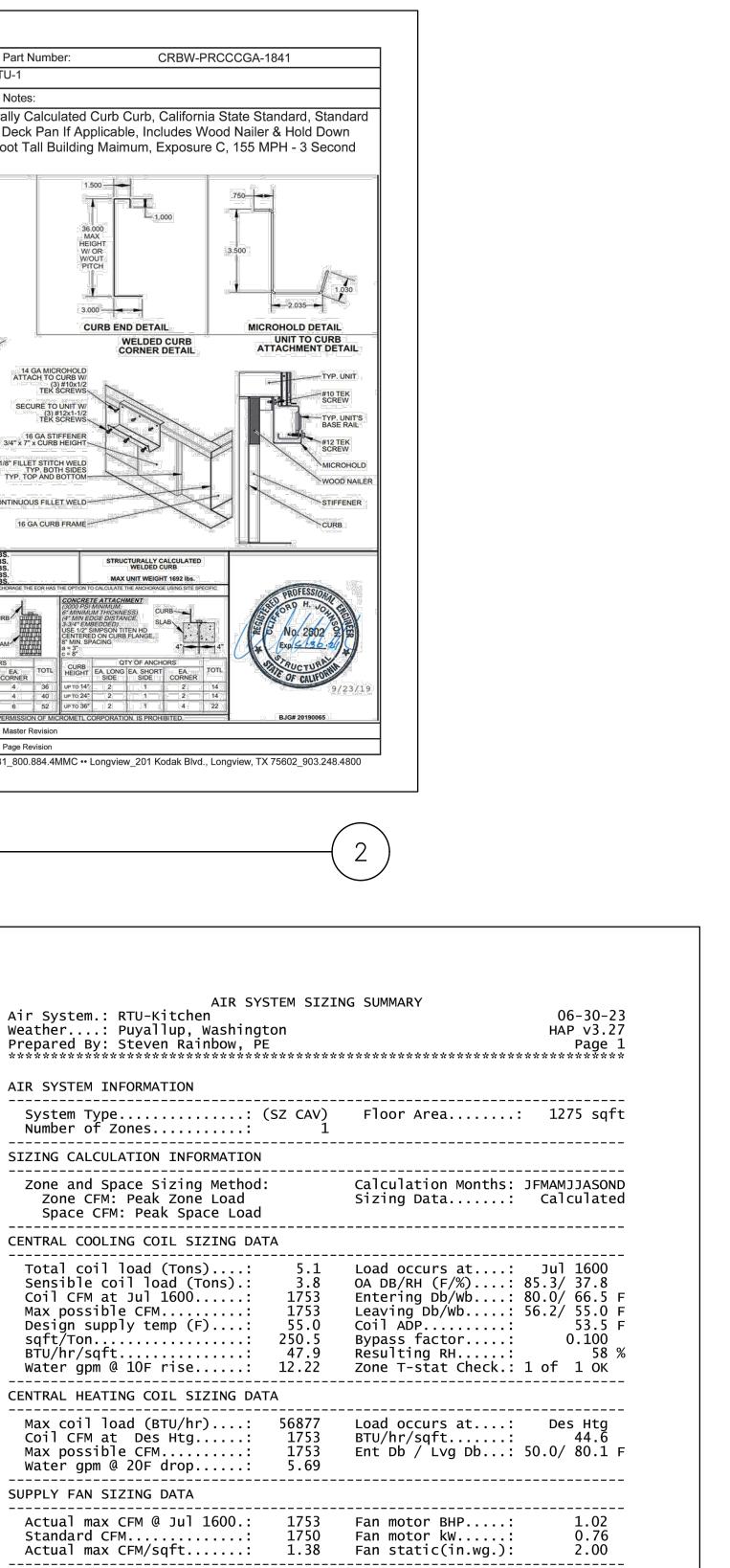
- FLEXIBLE DUCT CONNECTIONS, RATED FOR OUTDOOR APPLICATIONS (2 TYP).
- (2) RETURN AIR DAMPER. PROVIDE CLASS 1 MOTORIZED DAMPER; CLASS I DAMPER SHALL HAVE A MAXIMUM LEAKAGE RATE OF 4 CFM/SF AT 1.0 INCH WATER GAUGE
- ③ REFER TO DUCT INSULATION SCHEDULE ON SHEET M-3. DUCTS LOCATED OUTSIDE SHALL BE INTERNALLY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







S		
MAX. SPACING IN. [mm]	MicroMetl Date: 6/21/2022 Weight: 140lbs (US) 6	63.5kg (Metric) Part Number: CRBW-PRCCCGA-1841
144 [3658]	Submitted to: miwoods@trane.com Approved by:	RTU-1 Notes:
144 [3658] 144 [3658]	Seismic Criteria, "Structurally" Stamped By A Professional Engineer, Without Brackets. Meets Seismic Requirements for 2019 CBC & 2018 IBC. Wind Desig	
] 144 [3658] 3] 144 [3658]	Gust Speed, Risk Category III & IV.	1.500
ND ND.	49.375 10 86.375 10 86.25 4X 43.375 44.375	3.000 3.500 WOUT 3.500 WOUT 1.000 WOUT 1.000 OUT 1.000 WUOUT 1.000 WUOUT 1.000 OUT 1.000 WUOUT 1.000 WELDED CURB WINT TO CURB CORNER DETAIL MICROHOLD DETAIL
1	SEISMIC DESIGN CRITERIA - bp = 1.5 - 5 = 2.50 - Fa = 1.2 WIND DESIGN CRITERIA - op T TALL BUILDING MAX. CURB STIFFENER REQUIREMENTS	14 GA MICROHOLD ATTACH TO CURB W// (3) #10x1/2 TEK SCREWS SECURE TO WITW (3) #12x1-1/2 TEK SCREWS 3/4* % 7*, x OURB HEIGHT 3/4* % 7*, x OURB HEIGHT 1/8* FILLET STITCH WELD TYP, DOTH SIDES HOLD TYP, BOTH SIDES TYP, TOP AND BOTTOM HEIGHT WELD STIFFENER
	EXPOSURE C STIFFENERS ARE REQUIRED ON ALL CURBS OVER 15" TALL STAPH, 3-SECOND GUST WIND SPEEL CONTROL OF THE STANDARD PRODUCT DOES NOT INCLUDE THROUGH THE SIDE SERVICE HOLES THE STANDARD PRODUCT DOES NOT INCLUDE THROUGH THE SIDE SERVICE HOLES	Series 08" TALL 104 LBS. Series 11" TALL 117 LBS. STRUCTURALLY CALCULATED
	MicroMetl Corporation CRBW-PRCCCGA-14 CRBW-PRCCCGA-14 CRBW-PRCCCGA-14 CRBW-PRCCCGA-24 CRBW-PRCCGA-24 CRBW-PRCCGA-24	Series 14" TALL 130 LBS. WELDED CURB Series 24" TALL 155 LBS. MAX UNIT WEIGHT 1692 Ibs. D ABOVE FOR ANY OTHER TYPE OF ANCHORAGE THE EOR HAS THE OPTION TO CALCULATE THE ANCHORAGE USING SITE SPECIFIC.
ETPOINTS SHALL	Sparks. NV (800) 884-4662 Sparks. NV (800) 884-4662 Use asor 1/2 Dia BOLTS. WWASHER CENTERED Use asor 1/2 Dia BOLTS. WWWASHER C	Image: Douglas Fire) Image: Douglas Fire) Image: Douglas Fire) Ima
YSTEM. GREASE UA—1 SHALL BE	This Document Is The Property Of MicroMetl Corporation And Is Delivered Upon The Express Condition That The Contents Will Not Be Disclosed Or Used Without	o det 10 4 6 52 UP TO 30 2 1 4 22 HOLE WITHOUT THE WRITTEN PERMISSION OF MICROMETL CORPORATION. IS PROHIBITED BJG# 20190065 At MicroMet's Written Consent. Master Revision
; MUA MOTOR OUTSIDE AIR	MicroMetl Reserves The Right To Discontinue, Or Change At Any Time, Specifications & Designs Without Any Notice Incurring Obligatio	Page Revision Way, Sparks, NV 89431_800.884.4MMC •• Longview_201 Kodak Blvd., Longview, TX 75602_903.248.4800
ATE AS REQUIRED		
	ROOFTOP UNIT SEISMIC CURE SCALE: NONE	B (2)
EF—1.		
PACE	AIR SYSTEM SIZING SUMMARY	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.: RTU-Kitchen06-30-23Weather: Puyallup, WashingtonHAP v3.27Prepared By: Steven Rainbow, PEPage 1
CHEDULES SHALL	AIR SYSTEM INFORMATION	**************************************
	System Type: (SZ CAV) Floor Area: 1346 sqft Number of Zones 1	System Type (SZ CAV) Floor Area 1275 sqft Number of Zones 1
JTDOOR AIR	SIZING CALCULATION INFORMATION Zone and Space Sizing Method: Calculation Months: JFMAMJJASOND	SIZING CALCULATION INFORMATION Zone and Space Sizing Method: Calculation Months: JFMAMJJASOND
AIN SUPPLY AIR	Zone CFM: Peak Zone Load Sizing Data: Calculated Space CFM: Peak Space Load	Zone CFM: Peak Zone Load Sizing Data: Calculated Space CFM: Peak Space Load
MIZER DAMPERS	CENTRAL COOLING COIL SIZING DATA Total coil load (Tons): 6.0 Load occurs at: Aug 1500	CENTRAL COOLING COIL SIZING DATA Total coil load (Tons): 5.1 Load occurs at: Jul 1600
ALPY EXCEEDS OPERATE IN THE	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/ 55.5 F	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:: 56.2/55.0 F Design supply temp (F):: 55.0 Coil ADP: 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 %	sqft/Ton
WITH THE AIR	Water gpm @ 10F rise: 14.40 Zone T-stat Check.: 1 of 1 OK CENTRAL HEATING COIL SIZING DATA	Water gpm @ 10F rise: 12.22 Zone T-stat Check.: 1 of 1 OK CENTRAL HEATING COIL SIZING DATA
AIR TEMPERATURE	Max coil load (BTU/hr): 77394 Load occurs at: Des Htg Coil CFM at Des Htg: 2400 BTU/hr/sqft: 57.5	Max coil load (BTU/hr): 56877 Load occurs at: Des Htg Coil CFM at Des Htg: 1753 BTU/hr/sqft: 44.6
SSORS;	Max possible CFM: 2400 Ent Db / Lvg Db: 51.9/ 81.8 F Water gpm @ 20F drop: 7.74	Max possible CFM: 1753 Ent Db / Lvg Db: 50.0/ 80.1 F Water gpm @ 20F drop: 5.69
2 LEVELS REQUIREMENTS.	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	SUPPLY FAN SIZING DATAActual max CFM @ Jul 1600.:1753Fan motor BHP:1.02Standard CFM1750Fan motor kW:0.76Actual max CFM/sqft1.38Fan static(in.wg.):2.00OUTDOOR VENTILATION AIR DATA
S FIRED SECTION	Design airflow (CFM): 800 CFM/person: 11.11 CFM/sqft	Design airflow (CFM): 650 CFM/person: 54.17 CFM/sqft
MPERS IN FULL 60 DEG F.		
PANCY		
TIMER AND		



	4 1	ES IS	P. SE WA 35611 GISTE ONAL	ENC	
			PUYALLUP, WA 98372		
BCRA 191 DRAW REVIE SHEE DE	10.00.00	RT			CES

Υ

 \mathbf{m}

Rainbow

CONSULTING

336 NW 50th Street Seattle, WA 98107

Phone: 206.235.6002

rainbowconsulting-me.com

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):
	 ASHRAE Guideline 0 - The Commissioning Process. ASHRAE Guideline 1.1 - HVAC&R Technical Requirements for the
	Commissioning Process.
1.3	COMMISSIONING DESCRIPTION
	A. HVAC commissioning process includes the following tasks:
	 Testing and startup of HVAC equipment and systems. 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.
	 Ductwork. Packaged rooftop units.
	 Kitchen hood exhaust fans and associated make-up air unit. Destroom exhaust fan
	 Restroom exhaust fan. Automatic temperature control system.
	 Testing, Adjusting and Balancing work.
1.4	COMMISSIONING SUBMITTALS
	A. Draft Forms: Submit draft of system verification form and functional performance
	test checklist.
	 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
1.9	required by Commissioning Authority.
1.5	A. Prepare schedule indicating anticipated start dates for the following:
	 Prepare schedule indicating anticipated start dates for the following. 1. Ductwork cleaning.
	 Ductwork pressure testing. Equipment and system starture.
	Equipment and system startups.
	4. Automatic temperature control system checkout.
	 Automatic temperature control system checkout. Testing, adjusting, and balancing. HVAC system orientation and inspections.
	 Automatic temperature control system checkout. Testing, adjusting, and balancing.
	 Automatic temperature control system checkout. Testing, adjusting, and balancing. HVAC system orientation and inspections. Operation and maintenance manual submittals.
	 Automatic temperature control system checkout. Testing, adjusting, and balancing. HVAC system orientation and inspections. Operation and maintenance manual submittals. Training sessions.
	 Automatic temperature control system checkout. Testing, adjusting, and balancing. HVAC system orientation and inspections. Operation and maintenance manual submittals. Training sessions. B. Schedule seasonal tests of equipment and systems during peak weather conditions
1.10	 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
1.10	 Automatic temperature control system checkout. Testing, adjusting, and balancing. HVAC system orientation and inspections. Operation and maintenance manual submittals. 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	 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	 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. COORDINATION A. Notify Commissioning Authority minimum of four weeks in advance of the following: Scheduled equipment and system startups. Scheduled automatic temperature control system checkout.
1.10	 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. COORDINATION A. Notify Commissioning Authority minimum of four weeks in advance of the following: Scheduled equipment and system startups. Scheduled automatic temperature control system checkout. Scheduled start of testing, adjusting, and balancing work.
1.10	 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. COORDINATION A. Notify Commissioning Authority minimum of four weeks in advance of the following: Scheduled equipment and system startups. Scheduled automatic temperature control system checkout.
	 Automatic temperature control system checkout. Testing, adjusting, and balancing. HVAC system orientation and inspections. Operation and maintenance manual submittals. Training sessions. Schedule seasonal tests of equipment and systems during peak weather conditions to observe full-load performance. Schedule occupancy sensitive tests of equipment and systems during conditions of both minimum and maximum occupancy or use. COORDINATION Notify Commissioning Authority minimum of four weeks in advance of the following: Scheduled equipment and system startups. Scheduled automatic temperature control system checkout. Scheduled start of testing, adjusting, and balancing work.
PART 2	 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. COORDINATION A. Notify Commissioning Authority minimum of four weeks in advance of the following: Scheduled equipment and system startups. Scheduled start of testing, adjusting, and balancing work. B. Coordinate programming of automatic temperature control system with construction and commissioning schedules.
PART 2	 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. COORDINATION A. Notify Commissioning Authority minimum of four weeks in advance of the following: Scheduled equipment and system startups. Scheduled start of testing, adjusting, and balancing work. B. Coordinate programming of automatic temperature control system with construction and commissioning schedules.
PART 2	 Automatic temperature control system checkout. Testing, adjusting, and balancing. HVAC system orientation and inspections. Operation and maintenance manual submittals. Training sessions. Schedule seasonal tests of equipment and systems during peak weather conditions to observe full-load performance. Schedule occupancy sensitive tests of equipment and systems during conditions of both minimum and maximum occupancy or use. COORDINATION Notify Commissioning Authority minimum of four weeks in advance of the following: Scheduled equipment and system startups. Scheduled start of testing, adjusting, and balancing work. Coordinate programming of automatic temperature control system with construction and commissioning schedules. PRODUCTS DESIGN DOCUMENT AND SUBMITTAL REVIEWS Review the Owner Project Requirements (OPR) and relevant design
PART 2 2.1	 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. COORDINATION A. Notify Commissioning Authority minimum of four weeks in advance of the following: Schedule dequipment and system startups. Scheduled start of testing, adjusting, and balancing work. B. Coordinate programming of automatic temperature control system with construction and commissioning schedules. 2. PRODUCTS DESIGN DOCUMENT AND SUBMITTAL REVIEWS A. General:
PART 2 2.1	 Automatic temperature control system checkout. Testing, adjusting, and balancing. HVAC system orientation and inspections. Operation and maintenance manual submittals. Training sessions. Schedule seasonal tests of equipment and systems during peak weather conditions to observe full-load performance. Schedule occupancy sensitive tests of equipment and systems during conditions of both minimum and maximum occupancy or use. COORDINATION Notify Commissioning Authority minimum of four weeks in advance of the following: Schedule dequipment and system startups. Schedule automatic temperature control system checkout. Schedule start of testing, adjusting, and balancing work. Coordinate programming of automatic temperature control system with construction and commissioning schedules. 2- PRODUCTS DESIGN DOCUMENT AND SUBMITTAL REVIEWS A. General: Review the Owner Project Requirements (OPR) and relevant design documents.
PART 2 2.1	 Automatic temperature control system checkout. Testing, adjusting, and balancing. HVAC system orientation and inspections. Operation and maintenance manual submittals. Training sessions. Schedule seasonal tests of equipment and systems during peak weather conditions to observe full-load performance. Schedule occupancy sensitive tests of equipment and systems during conditions of both minimum and maximum occupancy or use. COORDINATION Notify Commissioning Authority minimum of four weeks in advance of the following: Schedule dequipment and system startups. Scheduled start of testing, adjusting, and balancing work. Coordinate programming of automatic temperature control system with construction and commissioning schedules. PRODUCTS DESIGN DOCUMENT AND SUBMITTAL REVIEWS General: Review the Owner Project Requirements (OPR) and relevant design documents. 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
PART 2 2.1	 Automatic temperature control system checkout. Testing, adjusting, and balancing. HVAC system orientation and inspections. Operation and maintenance manual submittals. Training sessions. Schedule seasonal tests of equipment and systems during peak weather condition to observe full-load performance. Schedule occupancy sensitive tests of equipment and systems during conditions both minimum and maximum occupancy or use. COORDINATION Notify Commissioning Authority minimum of four weeks in advance of the followin 1. Scheduled equipment and system startups. Scheduled automatic temperature control system checkout. Scheduled start of testing, adjusting, and balancing work. Coordinate programming of automatic temperature control system with constructi and commissioning schedules. PRODUCTS DESIGN DOCUMENT AND SUBMITTAL REVIEWS General: Review the Owner Project Requirements (OPR) and relevant design documents. 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 shalt supplemented by finalized sequences used to program the system. Sequence

	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	
1.0	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.	
4.6		
1.6		
4 -	A. Perform Work in accordance with ASHRAE Guideline 0.	
1.7		
	 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.	
	 Provide instructions and demonstrations for building maintenance personnel. Ensure subcontractors perform assigned commissioning responsibilities. 	
	 Ensure participation of equipment manufacturers in appropriate startup, testing, and training activities when required by individual equipment specifications. 	
	 Develop startup and initial checkout plan using manufacturer's startup 	
	procedures and functional performance checklists for equipment and systems to be commissioned.	
	 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.	
	 Provide personnel to assist Commissioning Authority during equipment or system verification checks and functional performance tests. 	
	 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.	
	 Prior to startup, inspect, check, and verify correct and complete installation of equipment and system components for verification checks included in commissioning plan. When definitent or incomplete work is discovered, ensure 	
	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		
2.3	specified. Coordinate work with manufacturer and Commissioning Authority.	
2.3	specified. Coordinate work with manufacturer and Commissioning Authority. START-UP AND TESTING, ADJUSTING AND BALANCING (TAB) REPORTS	
2.3	 specified. Coordinate work with manufacturer and Commissioning Authority. 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 	
2.3	 specified. Coordinate work with manufacturer and Commissioning Authority. 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 	
	 specified. Coordinate work with manufacturer and Commissioning Authority. 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. 	
	 specified. Coordinate work with manufacturer and Commissioning Authority. 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. FUNCTIONAL PERFORMANCE TESTS A. General: Submit Functional Performance Test forms for owner approvals. 	
2.4	 specified. Coordinate work with manufacturer and Commissioning Authority. 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. FUNCTIONAL PERFORMANCE TESTS A. General: Submit Functional Performance Test forms for owner approvals. Submit Functional Performance Test results for each system. 	
	 specified. Coordinate work with manufacturer and Commissioning Authority. 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. FUNCTIONAL PERFORMANCE TESTS A. General: Submit Functional Performance Test forms for owner approvals. Submit Functional Performance Test results for each system. OPERATION & MAINTENANCE MANUAL AND PERSONNEL TRAINING REVIEWS 	
2.4 2.5	 specified. Coordinate work with manufacturer and Commissioning Authority. 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. FUNCTIONAL PERFORMANCE TESTS A. General: Submit Functional Performance Test forms for owner approvals. Submit Functional Performance Test results for each system. OPERATION & MAINTENANCE MANUAL AND PERSONNEL TRAINING REVIEWS A. Submit O&M Manuals and Personnel Training Reviews. 	
2.4	 specified. Coordinate work with manufacturer and Commissioning Authority. 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. FUNCTIONAL PERFORMANCE TESTS A. General: Submit Functional Performance Test forms for owner approvals. Submit Functional Performance Test results for each system. OPERATION & MAINTENANCE MANUAL AND PERSONNEL TRAINING REVIEWS 	
2.4 2.5	 specified. Coordinate work with manufacturer and Commissioning Authority. 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. FUNCTIONAL PERFORMANCE TESTS A. General: Submit Functional Performance Test forms for owner approvals. Submit Functional Performance Test results for each system. OPERATION & MAINTENANCE MANUAL AND PERSONNEL TRAINING REVIEWS A. Submit O&M Manuals and Personnel Training Reviews. 	
2.4 2.5 2.6	 specified. Coordinate work with manufacturer and Commissioning Authority. 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. FUNCTIONAL PERFORMANCE TESTS A. General: Submit Functional Performance Test forms for owner approvals. Submit Functional Performance Test results for each system. OPERATION & MAINTENANCE MANUAL AND PERSONNEL TRAINING REVIEWS A. Submit O&M Manuals and Personnel Training Reviews. SYSTEMS MANUAL 	
2.4 2.5 2.6	 specified. Coordinate work with manufacturer and Commissioning Authority. 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. FUNCTIONAL PERFORMANCE TESTS A. General: Submit Functional Performance Test forms for owner approvals. Submit Functional Performance Test results for each system. OPERATION & MAINTENANCE MANUAL AND PERSONNEL TRAINING REVIEWS A. Submit O&M Manuals and Personnel Training Reviews. SYSTEMS MANUAL A. Submit Systems Manual. 	
2.4 2.5 2.6 PART	 specified. Coordinate work with manufacturer and Commissioning Authority. 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. FUNCTIONAL PERFORMANCE TESTS A. General: Submit Functional Performance Test forms for owner approvals. Submit Functional Performance Test results for each system. OPERATION & MAINTENANCE MANUAL AND PERSONNEL TRAINING REVIEWS Submit Q&M Manuals and Personnel Training Reviews. SYSTEMS MANUAL Submit Systems Manual. 3 - EXECUTION Install additional balancing dampers, balancing valves, access doors, test ports, and 	
2.4 2.5 2.6 PART	 specified. Coordinate work with manufacturer and Commissioning Authority. 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. FUNCTIONAL PERFORMANCE TESTS A. General: Submit Functional Performance Test forms for owner approvals. Submit Functional Performance Test results for each system. OPERATION & MAINTENANCE MANUAL AND PERSONNEL TRAINING REVIEWS Submit O&M Manuals and Personnel Training Reviews. SYSTEMS MANUAL A. Submit Systems Manual. 3 - EXECUTION INSTALLATION A. Install additional balancing dampers, balancing valves, access doors, test ports, and pressioning plan.	
2.4 2.5 2.6 PART	 specified. Coordinate work with manufacturer and Commissioning Authority. 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. FUNCTIONAL PERFORMANCE TESTS A. General: Submit Functional Performance Test forms for owner approvals. Submit Functional Performance Test results for each system. OPERATION & MAINTENANCE MANUAL AND PERSONNEL TRAINING REVIEWS Submit O&M Manuals and Personnel Training Reviews. SYSTEMS MANUAL Submit Systems Manual. 3 - EXECUTION Install additional balancing dampers, balancing valves, access doors, test ports, and pressure and temperature taps required by Commissioning Authority or commissioning plan. Place HVAC systems and equipment into full operation and continue operation during each working day of commissioning. 	
2.4 2.5 2.6 PART	 specified. Coordinate work with manufacturer and Commissioning Authority. 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. FUNCTIONAL PERFORMANCE TESTS A. General: Submit Functional Performance Test forms for owner approvals. Submit Functional Performance Test results for each system. OPERATION & MAINTENANCE MANUAL AND PERSONNEL TRAINING REVIEWS A. Submit O&M Manuals and Personnel Training Reviews. SYSTEMS MANUAL A. Submit Systems Manual. 3 - EXECUTION A. Install additional balancing dampers, balancing valves, access doors, test ports, and pressure and temperature taps required by Commissioning Authority or commissioning plan. 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. 	
2.4 2.5 2.6 PART	 specified. Coordinate work with manufacturer and Commissioning Authority. 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). TAB reports shall be created for designated systems by a certified TAB provider and submitted to Contractor who provides a copy to the CXA. FUNCTIONAL PERFORMANCE TESTS General: Submit Functional Performance Test forms for owner approvals. Submit Functional Performance Test results for each system. OPERATION & MAINTENANCE MANUAL AND PERSONNEL TRAINING REVIEWS Submit O&M Manuals and Personnel Training Reviews. SYSTEMS MANUAL Submit Systems Manual. Stacturing and additional balancing dampers, balancing valves, access doors, test ports, and pressure and temperature taps required by Commissioning Authority or commissioning plan. Place HVAC systems and equipment into full operation and continue operation during each working day of commissioning. Install replacement sheaves and belts to obtain system performance, as requested by Commissioning Authority of realing air measurements. 	
2.4 2.5 2.6 PART	 specified. Coordinate work with manufacturer and Commissioning Authority. 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. FUNCTIONAL PERFORMANCE TESTS A. General: Submit Functional Performance Test forms for owner approvals. Submit Functional Performance Test results for each system. OPERATION & MAINTENANCE MANUAL AND PERSONNEL TRAINING REVIEWS Submit O&M Manuals and Personnel Training Reviews. SYSTEMS MANUAL Submit Systems Manual. Stacture and temperature taps required by Commissioning Authority or commissioning Jauthority or commissioning Jaun. Place HVAC systems and equipment into full operation and continue operation during each working day of commissioning. Install replacement sheaves and belts to obtain system performance, as requested by Commissioning Authority for taking air measurements. Prior to start of functional performance test, install replacement filters in equipment. 	
2.4 2.5 2.6 PART	 specified. Coordinate work with manufacturer and Commissioning Authority. 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). TAB reports shall be created for designated systems by a certified TAB provider and submitted to Contractor who provides a copy to the CXA. FUNCTIONAL PERFORMANCE TESTS A. General: Submit Functional Performance Test forms for owner approvals. Submit Functional Performance Test results for each system. OPERATION & MAINTENANCE MANUAL AND PERSONNEL TRAINING REVIEWS Submit O&M Manuals and Personnel Training Reviews. SYSTEMS MANUAL Submit Systems Manual. StatLLATION A. Submit additional balancing dampers, balancing valves, access doors, test ports, and pressure and temperature taps required by Commissioning Authority or commissioning plan. Place HVAC systems and equipment into full operation and continue operation during each working day of commissioning. Install replacement sheaves and belts to obtain system performance, as requested by Commissioning Authority for taking air measurements. Prior to start of functional performance test, install replacement filters in equipment. COMMISSIONING 	
2.4 2.5 2.6 PART 3.1	 specified. Coordinate work with manufacturer and Commissioning Authority. 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). TAB reports shall be created for designated systems by a certified TAB provider and submitted to Contractor who provides a copy to the CXA. FUNCTIONAL PERFORMANCE TESTS A. General: Submit Functional Performance Test forms for owner approvals. Submit Functional Performance Test results for each system. OPERATION & MAINTENANCE MANUAL AND PERSONNEL TRAINING REVIEWS Submit O&M Manuals and Personnel Training Reviews. SYSTEMS MANUAL Submit Systems Manual. Settecution INSTALLATION Install additional balancing dampers, balancing valves, access doors, test ports, and pressure and temperature taps required by Commissioning Authority or commissioning plan. Place HVAC systems and equipment into full operation and continue operation during each working day of commissioning. Install replacement sheaves and belts to obtain system performance, as requested by Commissioning Authority. Install test holes in ductwork and plenums as requested by Commissioning Authority for to kaing air measurements. Prior to start of functional performance test, install replacement filters in equipment. COMMISSIONING Aseasonal Sensitive Functional Performance Tests (as far as possible and in consultation with LAWA): 	
2.4 2.5 2.6 PART 3.1	 specified. Coordinate work with manufacturer and Commissioning Authority. 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. FUNCTIONAL PERFORMANCE TESTS A. General: Submit Functional Performance Test forms for owner approvals. Submit Functional Performance Test results for each system. OPERATION & MAINTENANCE MANUAL AND PERSONNEL TRAINING REVIEWS A. Submit O&M Manuals and Personnel Training Reviews. SYSTEMS MANUAL A. Submit Systems Manual. 3 - EXECUTION NSTALLATION 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 for taking air measurements. E. Prior to start of functional performance test, install replacement filters in equipment. COMISSIONING A. Sessonal Sensitive Functional Performance Tests (as far as possible and in consultation with LAWA): 1. Test heating equipment at winter design temperatures.	
2.4 2.5 2.6 PART 3.1	 specified. Coordinate work with manufacturer and Commissioning Authority. 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. FUNCTIONAL PERFORMANCE TESTS A. General: Submit Functional Performance Test forms for owner approvals. Submit Functional Performance Test results for each system. OPERATION & MAINTENANCE MANUAL AND PERSONNEL TRAINING REVIEWS Submit O&M Manuals and Personnel Training Reviews. SYSTEMS MANUAL Submit Systems Manual. EXECUTION INSTALLATION A. Install additional balancing dampers, balancing valves, access doors, test ports, and pressure and temperature taps required by Commissioning Authority or commissioning plan. Install additional balancing dampers, balancing valves, access doors, test ports, and pressure and temperature taps required by Commissioning Authority or commissioning plan. Install replacement sheaves and belts to obtain system performance, as requested by Commissioning Authority or torking day of commissioning. Install teplacement sheaves and belts to obtain system performance, as requested by Commissioning Authority for taking air measurements. E. Prior to start of functional performance Tests (as far as possible and in consultation with LAWA): I. Test cooling equipment at winter design temperatures. 2. Test cooling equipment at summer design temperatures.	
2.4 2.5 2.6 PART 3.1	 specified. Coordinate work with manufacturer and Commissioning Authority. 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). TAB reports shall be created for designated systems by a certified TAB provider and submitted to Contractor who provides a copy to the CxA. FUNCTIONAL PERFORMANCE TESTS A. General: Submit Functional Performance Test forms for owner approvals. Submit Functional Performance Test results for each system. OPERATION & MAINTENANCE MANUAL AND PERSONNEL TRAINING REVIEWS A. Submit O&M Manuals and Personnel Training Reviews. SYSTEMS MANUAL Submit Systems Manual. StatLLATION Install additional balancing dampers, balancing valves, access doors, test ports, and pressure and temperature taps required by Commissioning Authority or commissioning plan. Place HVAC systems and equipment into full operation and continue operation during each working day of commissioning. Install replacement sheaves and belts to obtain system performance, as requested by Commissioning Authority for taking air measurements. Price HVAC systems and equipment into full operation and continue operation during each working day of commissioning. Install test holes in ductwork and plenums as requested by Commissioning Authority for taking air measurements. Priore HVAC systems and equipment into full operation and continue operation during each working day of commissioning. Install test holes in ductwork and plenums a	
2.4 2.5 2.6 PART 3.1	 specified. Coordinate work with manufacturer and Commissioning Authority. 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). TAB reports shall be created for designated systems by a certified TAB provider and submitted to Contractor who provides a copy to the CXA. FUNCTIONAL PERFORMANCE TESTS A. General: Submit Functional Performance Test forms for owner approvals. Submit Functional Performance Test results for each system. OPERATION & MAINTENANCE MANUAL AND PERSONNEL TRAINING REVIEWS A. Submit O&M Manuals and Personnel Training Reviews. SYSTEMS MANUAL A. Submit Systems Manual. StatLation A. Install additional balancing dampers, balancing valves, access doors, test ports, and pressure and temperature taps required by Commissioning Authority or commissioning Juthority. Install replacement sheaves and belts to obtain system performance, as requested by Commissioning Authority. Install replacements heaves and belts to obtain system performance, as requested by Commissioning Authority for taking air measurements. Prior to start of functional Performance Tests (as far as possible and in consultation with LAWA): Test cooling equipment at summer design temperatures. Test cooling equipment at summer design temperatures. Test cooling equipment at systems affected by occupancy variations at minimum and 	
2.4 2.5 2.6 PART 3.1	 specified. Coordinate work with manufacturer and Commissioning Authority. 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 (CAA). TAB reports shall be created for designated systems by a certified TAB provider and submitted to Contractor who provides a copy to the CAA. FUNCTIONAL PERFORMANCE TESTS A. General: Submit Functional Performance Test forms for owner approvals. Submit Functional Performance Test results for each system. OPERATION & MAINTENANCE MANUAL AND PERSONNEL TRAINING REVIEWS Submit O&M nanuals and Personnel Training Reviews. SYSTEMS MANUAL Submit Systems Manual. SEXECUTION INSTALLATION Place HVAC systems and equipment into full operation and continue operation during each working day of commissioning. Install additional balancing dampers, balancing valves, access doors, test ports, and pressure and temperature taps required by Commissioning Authority or commissioning plan. Place HVAC systems and equipment into full operation and continue operation during each working day of commissioning. Install test holes in ductwork and plenums as requested by Commissioning Authority for taking air measurements. Prior to start of functional performance test, install replacement filters in equipment. ComMISSIONING A Seasonal Sensitive Functional Performance Tests (as far as possible and in consultation with LAWA): Test toooling e	
2.4 2.5 2.6 PART 3.1	 specified. Coordinate work with manufacturer and Commissioning Authority. 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). TAB reports shall be created for designated systems by a certified TAB provider and submitted to Contractor who provides a copy to the CXA. FUNCTIONAL PERFORMANCE TESTS A. General: Submit Functional Performance Test forms for owner approvals. Submit Functional Performance Test results for each system. OPERATION & MAINTENANCE MANUAL AND PERSONNEL TRAINING REVIEWS A. Submit O&M Manuals and Personnel Training Reviews. SYSTEMS MANUAL A. Submit Systems Manual. StatLation A. Install additional balancing dampers, balancing valves, access doors, test ports, and pressure and temperature taps required by Commissioning Authority or commissioning Juthority. Install replacement sheaves and belts to obtain system performance, as requested by Commissioning Authority. Install replacements heaves and belts to obtain system performance, as requested by Commissioning Authority for taking air measurements. Prior to start of functional Performance Tests (as far as possible and in consultation with LAWA): Test cooling equipment at summer design temperatures. Test cooling equipment at summer design temperatures. Test cooling equipment at systems affected by occupancy variations at minimum and 	

- 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.
 - Indicate delineation of control between packaged controls and building automation system.
 - 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.
- Inspect check and confirm correct installation and operation of automatic temperature control system input and output device operation through point-topoint checks.
- 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.
- 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.
- 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.





SEAL

336 NW 50th Street Seattle, WA 98107 Phone: 206.235.6002 rainbowconsulting-me.com



PROJECT NEW CONSTRUCTION TACO TIME EAST MAIN STREET PUYALLUP, WA 98372					
REVISIONS					
DATE					
7.6.2023					
BCRA NO.					
19110.00.00					
DRAWN BY:					
REVIEWED BY:					
SHEET TITLE					
MECHANICAL					
COMMISSIONING					

DOPYRIGHT 2019 - BCRA, INC. ALL RIGHTS RESERVED



LIGHTING C	OMPLIANCE	SUMMA	RV						
2018 WSEC Compliance	84 m 88 525.			. R3 & R	4 over 3 stories and	all R1			
		Project Title	ing oroup rig	,	TacotimeNW Puy		SEC F	or Building	Department
		Project Addres	s		1115 East 1	Main Avenue		0	1
Project & Applicant					WA 98372				
Information		Applicant Nam Applicant Pho			(01.07)0.0m	t Gore 01-6208			
	Applicant Ema			Route and Constitution	aseEng.com				
	For			ontact WS	SEC Commercial Tec	ě	at 360-539-5300 d	or via email	at com.techsu
General Occupancy		All	Commercial		General Building	Use Type	1	Dining	g, Fast Food
General Project Types	New Building	New Build Addition Lighting S	U	Interior L Exterior L		Alteration Lighting Scope			
Lighting Project Descrip	otion						New	Facotime sto	ore
Lighting Com	bliance Scone	Project Type		nterior / cludes both	Exterior 1 interior & parking)	Luminaire	Replacement Scop	oe Comp	oliance Meth
and M		New Building		Interior L	lighting			Spa	ace by space
		New Building]	Exterior I	Lighting				
Additional Options I									
Project Title	TacotimeNW Puy	allup - 2018 V	WSEC						
Lighting Power Calo	culation	NEW BUILI	DING - IN	TERIO	R LIGHTING				
Compliance Method			Space by	y space			LPA Calculation	Adjustmen	t
					Interior Lightin	ng Power Allo	wance - Space by	Space	
General Space Type	Specific Sp	асе Туре	Ceiling Height (F		Gross Interior A	rea (SF)	LPA (Watts/SI	7) T	Fotal Watts A (SF x LPA
Corridors	Gene	2497 - 270			490		0.41		201
Dining area Food preparation	Family	dining			1,021		0.60		613 984
Office	Enclosed less	than 250 sf			903 36		0.74		27
Restroom	Gene				180		0.63		113
Storage room	Gene	ral			146		0.38		56
Retail	General	sales			183		1.05		192
							Proposed Total	LPD	
		Totals							2,186
		Ĩ			Propo	0 0	Power Density		
Fixture Type		Fixtur	re ID		Quantity of Wat Vixtures (#F) per		Watts or Wattage Limit per Fixture (WpF)		l Linear et (LF)
Individual Fixtures									
	Decorat	100000			6		3		
	Direct / indirect pend				11		47		
	Horizontal surface-mon				1		32 75		
	Trof	F2			6		15		

	Recessed down	Ų		14		14				196
	Recessed down	light F4		9		18				162
	Suspe	nded F5		8		35		21		
									Proposed Total LPD	1655
Project Title Tac	otimeNW Pı	ıyallup - 2018 W	SEC						Date	Sep 11, 2023
oposed Fixtures Details	8	NEW BUILD	ING - INTERIO	R LIGHTIN	G					
Fixture Type/Applicatio	n	Fixture ID	L	ocation in Documents Lamp Type New or Existing-to-Remain						
ividual Fixtures	1004		-							
De	ecorative	F7		E3.1		~	LED		New	
		e Description: Decor		1	x. · · 1			Are these fixtures locat	ed within a daylight zone?	: No
Direct / in line			pecific application lig		None required	1	LED	<u> </u>	N	
Direct / indirect		F1 e Description: 2x4 tr		E3.1			LED	Ann there Continue la cat	New	- NT
				hting controls?	Nono required			Are these fixtures local	ed within a daylight zone?	: NO
Horizontal surfac		F11	pecific application lig	E3.1	None required		LED		Now	
riorizontai surfac		e Description: Surfac		E3.1		I	LED	Are these fixtures loost	New ed within a daylight zone?	· No
			pecific application lig	hting controle?	None required			The mese fixtures local	ca whill a dayngit zone?	10
	Troffer	F2		E3.1	rone required	Τ	LED		New	
	5-51 HOLEO TO 55-51	re Description: Linea	r troffer	LJ,1				Are these fixtures locat	ed within a daylight zone?	· No
			pecific application lig	hting controle?	None required				wa wham a dayngni 20110?	. 110
Recessed d		F3		E3.1	rione requireu	1	LED		New	
Recessed a	0	e Description: 6" Do	wnlight	25.1				Are these fixtures locat	ed within a daylight zone?	· No
			pecific application lig	hting controls?:	None required				ed within a daynght zone.	
Recessed d		F4		E3.1	rione required		LED		New	
	ç		tion: Decorative Downlight Are these fixtures located within a daylight zone?: No			: No				
			pecific application lig	hting controls?:	None required					
Su	spended	F5		E3.1	1		LED		New	
	-	e Description: HighI	Bay Pendant			I		Are these fixtures locat	ed within a daylight zone?	: No
	Do th	ese fixtures require s	pecific application lig	hting controls?:	None required					
		ıyallup - 2018 W			2010/4			Serve -	Date	Sep 11, 2023
ghting Power Calculati	on	NEW BUILD	ING - EXTERIC			ſ			mpliance Verificatio	1000 1 20
erior Lighting Zone				ZONI	E 3		Base Site Allowa	nce		500
		1				hting Power Allo		Total Watts Allowed		
Tradable Surfac	e	Tradable Su	rface Sub-Type	Surface Area (SF)	LPA (Watts/SF)	Linear Feet (LF)	LPA (Watts/LF)	(LPA x SF) or (LPA x LF)	Total Tradable Proposed Watts	Tradable Comj Status
Building ground	S	Walkways ·	< 10 feet wide			240	0.60	144		
	and drives			43,720	0.06			2,623		
Uncovered parking areas						Base	e Site Allowance	500		
Uncovered parking areas							Totals	3,26	1,217	COMPLIE
Uncovered parking areas						ighting Dower D.	ensity			
Uncovered parking areas		T		Propos	ed Tradable L	ignting rower Do				Total V
Uncovered parking areas	Fixture ID		Tradable Surfa		ed Tradable L	Quantity of Fixtures (#F)	Watt Wattage per Fi (Wp	Limit Total Linear ture Feet (LF)	r Watts per Line Foot (WpLF)	
Fixture Type	Fixture ID		Tradable Surfa		ed Tradable L	Quantity of	Wattage per Fi	Limit Total Linear ture Feet (LF)		(#F x Ŵ
Fixture Type	Fixture ID FE2	Un	Tradable Surfa	ce Type	ed Tradable L	Quantity of	Wattage per Fi	Limit Total Linear ture Feet (LF)		(#F x Ŵ
Fixture Type ividual Fixtures				ce Type	ed Tradable L	Quantity of	Wattage per Fi (Wp	Limit Total Linear ture Feet (LF)		(#F x Ŵ (LF x V
Fixture Type ividual Fixtures Pole top-mounted	FE2 FE1 FE3	Un Un	covered parking area covered parking area covered parking area	s and drives - s and drives - s and drives - s and drives -		Quantity of Fixtures (#F)	Wattage per Fi (Wp 59	Limit Total Lineau ture Feet (LF) F)		(#F x Ŵ (LF x Ŵ
Fixture Type ividual Fixtures Pole top-mounted Pole top-mounted	FE2 FE1 FE3 F6	Un Un Buildi	covered parking area covered parking area covered parking area ng grounds - Walkwa	s and drives - s and drives - s and drives - s and drives - yys < 10 feet wid	e	Quantity of Fixtures (#F)	Wattage per Fi (Wr 59 59 230 10	Limit Total Lineau ture Feet (LF) F)) (#F x Ŵ (LF x V 59 111 94 60
Fixture Type Fixtures Pole top-mounted Pole top-mounted Pole top-mounted Pole top-mounted	FE2 FE1 FE3	Un Un Buildi	covered parking area covered parking area covered parking area	s and drives - s and drives - s and drives - s and drives - yys < 10 feet wid	e	Quantity of Fixtures (#F)	Wattage per Fi (Wr 59 59 230	Limit Total Lineau ture Feet (LF) F)) (#F x Ŵ (LF x V 59 111 94 60 36

Adm	ninistered by: ©	202	3 NEEA	, All rights reserved
e:		Da	ite:	Sep 11, 2023
	L			
	228			
port@waenergycodes.com				
Building Cond. Floor A Project Cond. Floor Are				,975 ,975
Floors Above Grade	a		2	1
Compliance Method	Co	mpl	iance M	ethod 1 - General
LPA Calcı Adjustn			Comp	liance Verification
No Calculation Adju		d		COMPLIES
Not applicable	to exterior			COMPLIES
	Date	5	Sep 11,	2023
Complianc	e Verificatio	+	Q(7) (8)	
Compliance	e vermeatio			1
				none
	oposed Watts Display LPD)		Co	mpliance Status
			1	
			2	
/				
	1/22			
	1655 1,655			COMPLIES
	.,000			COMI LIES
Ĩ			T	otal Watts
Watts per Li	inear		1	otal Watts Proposed
Foot (WpL	JF)			x WpF) or
			(L	F x WpLF)
				18
				517
				32
				450

L	IGHTING FIXTURE SCHEDULE - INTERIOR/PER	IMETE	R
TYPE	DESCRIPTION	LAMP	WATTS/ FIXT
F1	2' x 4' LED TROFFER METALUX ENCOUNTER SERIES #24EN-LD1-45-UNV-L835-CD1	LED 3500K	47
F1X	SIMILAR TO F1 EXCEPT WITH BATTERY BACKUP	LED 3500K	47
F2	RECESSED NOMINALLY 3'' X 8' LINEAR LED, 9.3W/FT NEO-RAY 22DR SERIES #S22-D-R-2-L35-X(VERIFY CEILING)-X(LENGTH PER PLANS)-U-DD-S92S	LED 3500K	75
F3	6" RECESSED LED DOWNLIGHT HALO H750T SERIES #H750T (HOUSING), ML5609935 (LED MODULE), 493HS06 (TRIM MODEL)	LED 3500K	14
F3X	SIMILAR TO F3 EXCEPT WITH BATTERY BACKUP	LED 3500K	14
F4	RECESSED LED DOWNLIGHT WITH GLASS LENS SHAPER DL SERIES #340-6-DL-LED835-1-18-120-SCSF-SGPF-DMA10	LED 3500K	18
F4X	SIMILAR TO F4 EXCEPT WITH BATTERY BACKUP	LED 3500K	18
F5	LARGE ARCHITECTURAL HIGH BAY COMPACT FLUORESCENT PENDANT BEGHELLI DRACO BS710 SERIES #BS710LED-WT35-MDB-12ACT-AC100-120V	LED 3500K	35
F5X	SIMILAR TO F5 EXCEPT WITH BATTERY BACKUP	LED 3500K	35
F6	EXTERIOR SCONCE, MOUNT AT + 10'-6"AFG (VERIFY WITH ARCHITECT) LBL LIGHTING #LW-641-SI-LED-W	LED 2700K	10
F7	DECORATIVE PENDANT BRUCK LIGHTING SYSTEM, INC. SIERRA 222-LED/MP4	LED 3500K	3
F8	LED VANITY FIXTURE MOUNTED CENTERED ON MIRROR FIXTURE BY ARCHITECT	LED 3500K	18
F9	EXTERIOR UPLIGHT, MOUNT +20'0" AFG, REFER TO ARCHITECTURAL SHEET A7.01. FINISH BY ARCHITECT. COOPER LUMIERE SERIES - #303-W1-LEDB1-2700-UNV-T5X-DIM-XX-EDGE	LED 2700K	9
F11	WALL MOUNTED ACRYLIC WRAP LED LITHONIA LBLED SERIES	LED 3500K	32
X1	LED EXIT SIGN, UNIVERSAL MOUNT, GREEN LETTERS FIXTURE SELECTED BY ARCHITECT	LED	3
LCP	PROVIDE 16-CIRCUIT RELAY PANEL WITH DIGITAL SWITCHING (BLUEBOX #GR1416LT SERIES OR EQUAL)		

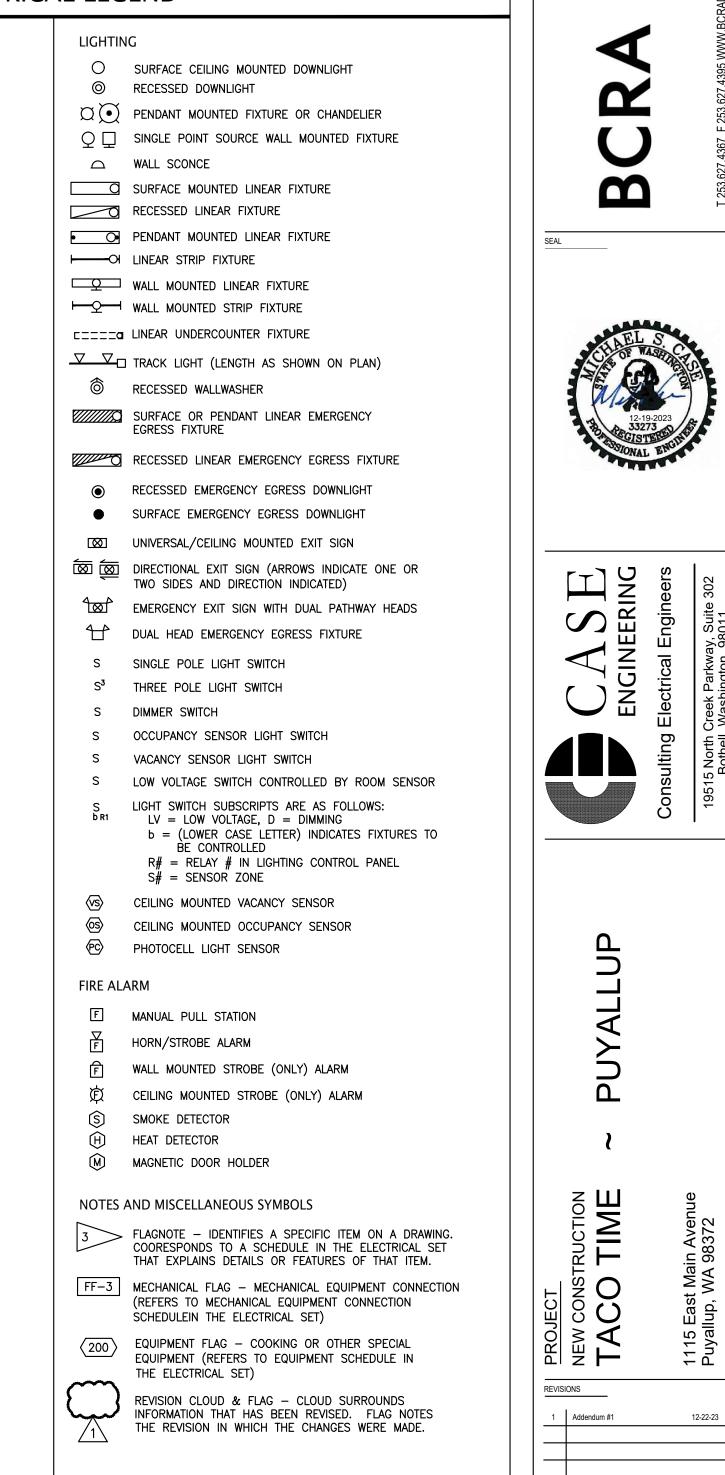
PROJECT NOTES

(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.
- 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 JURIDICTION (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.

	ELECI
	DEVICES AND EQUIPMENT
₽ ₽	DUPLEX RECEPTACLE DOUBLE DUPLEX RECEPTACLE
Ð	DUPLEX GFCI RECEPTACLE
	DOUBLE DUPLEX GFCI RECEPTACLE
₽	DUPLEX RECEPTACLE MOUNTED IN CEILING
I	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER OR BACKSPLASH, WHEN PRESENT (VERIFY HEIGHT)
ŧ	DOUBLE DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER OR BACKSPLASH, WHEN PRESENT (VERIFY HEIGHT)
Þ	DUPLEX GFCI RECEPTACLE MOUNTED ABOVE COUNTER OR BACKSPLASH, WHEN PRESENT (VERIFY HEIGHT)
Ħ	DOUBLE DUPLEX GFCI RECEPTACLE MOUNTED ABOVE COUNTER OR BACKSPLASH, WHEN PRESENT (VERIFY HEIGHT)
₩P	GFCI WEATHER RESISTANT RECEPTACLE WITH WEATHERPROOF WHILE-IN-USE COVER
Ю	SINGLE SPECIAL PURPOSE RECEPTACLE
0	JUNCTION BOX WITH BLANK COVER
۲	EQUIPMENT CONNECTION
Q	MOTOR CONNECTION
Þ	FAN CONNECTION
	DISCONNECT SWITCH
F٦	FUSED DISCONNECT SWITCH
SM	MOTOR RATED SWITCH
Ю	DOORBELL
۲	PUSHBUTTON SWITCH
TELE/CC	OMMUNICATIONS
◀	TELEPHONE
₩►	WALL MOUNTED TELEPHONE (VERIFY MOUNTING HEIGHT)
4	SINGLE GANG TELEPHONE/DATA OPENING
TV	TELEVISION OUTLET
WIRING	
_	- WIRING CONCEALED IN CEILING OR WALL
	- WIRING CONCEALED UNDER FLOOR OR UNDERGROUND
∕ - ● - IIII	- CONDUCTORS IN CONDUIT
	-PHASE CONDUCTOR(S) -NEUTRAL CONDUCTOR -GROUND CONDUCTOR
lı	GROUND WIRE
0	CONDUIT BENDS TO CHANGE ELEVATION AT THIS POINT
	CONDUIT STUB-UP
	CONDUIT BREAK
	CONDUIT CONTINUES ELSEWHERE (NOTED ON PLAN)
SERVICE	GEAR
	CIRCUIT BREAKER PANELBOARD
	TERMINAL CABINET SWITCHBOARD OR MOTOR CONTROL CENTER, SIZE AS SHOWN ON PLANS
Т	DRY TYPE TRANSFORMER (SEE NOTES & RISER DIAGRAM FOR SIZE)
\bowtie	TRANSFER SWITCH
\square	UTILITY TRANSFORMER
ℤ──┘	
[] PPO	METER
	UTILITY POWER POLE (SITE PLAN) HANDHOLE OR PULLBOX (SITE PLAN)
	TRADICE ON FOLLOW (ONE FLANK)

ELECTRICA	L LEGEND
	LIGHTING
	O SURFACE CEILING MOUNTED DOW



DRAWING INDEX

E0.1	LEGEND & SCHEDULES

- E1.1 ELECTRICAL SITE PLAN
- EL1.1 LIGHTING CALCULATIONS SITE PLAN E2.1 POWER/COMMUNICATIONS PLAN
- E2.1 POWER/COMMUNICATIONS PL
- E3.1 LIGHTING FLOOR PLANE4.1 MECHANICAL CONNECTIONS ROOF PLAN
- E9.1 RISER DIAGRAM & PANEL SCHEDULES
- E9.2 ARC FLASH CALCULATIONS & LABELS
- E10.1 SCHEDULES



LEGEND & SCHEDULES

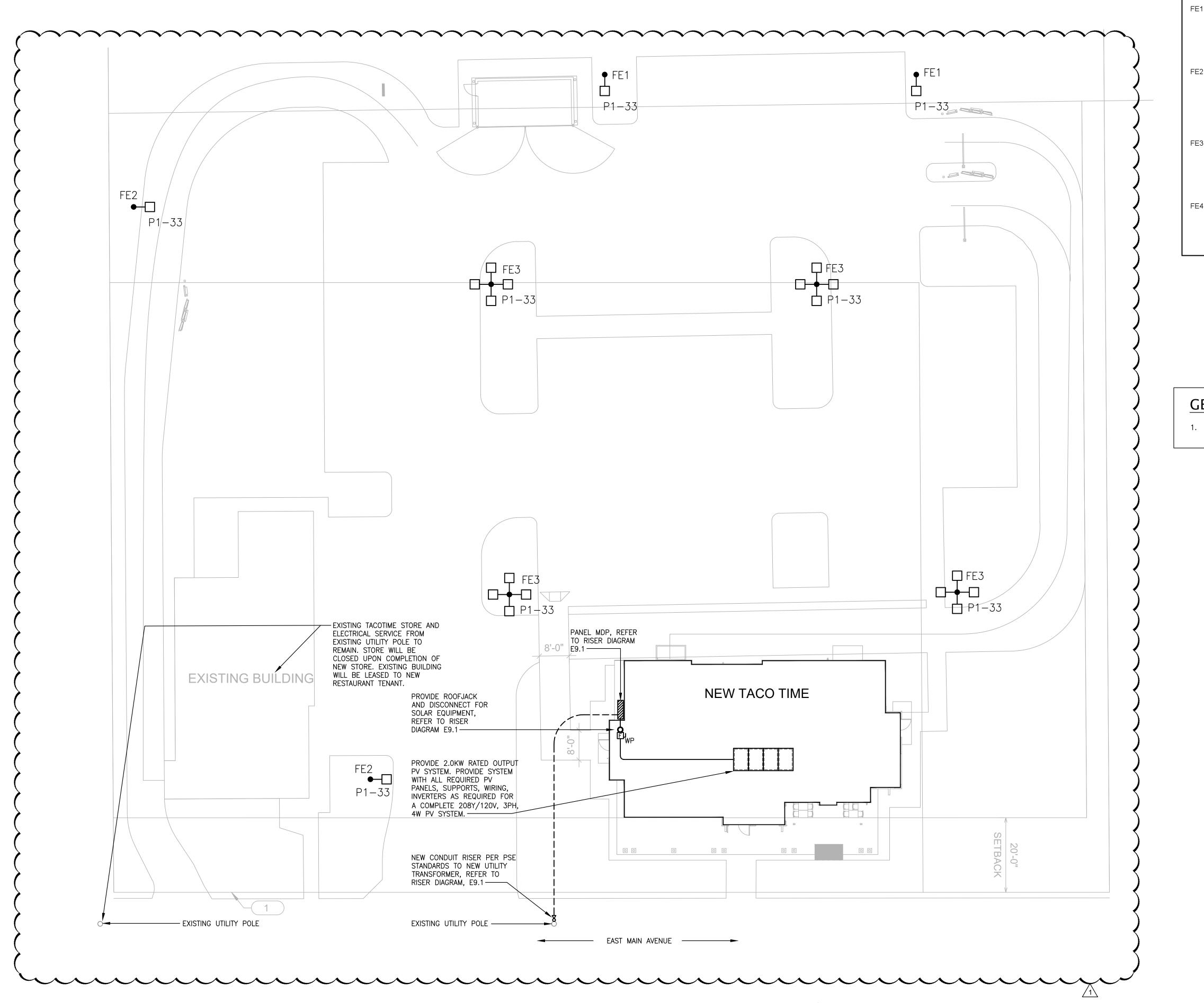
12-19-2023

BCRA NO.

CADD FILE

SHEET TITLE

E0.1 PROJECT STATUS

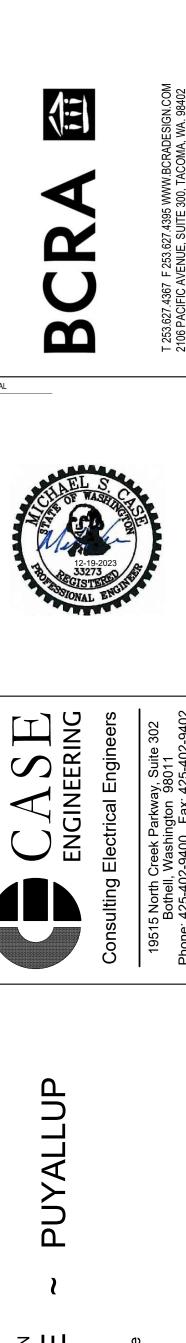




	LIGHTING FIXTURE SCHEDULE - SITE		
TYPE	DESCRIPTION	LAMP	WATTS/ FIXT
FE1	POLE, ARM MOUNTED LED LUMINAIRE, NOMINALLY 15" BY 21" WITH DIE CAST ALUMINUM HOUSING. TYPE 4 FULL CUT OFF OPTICS WITH HOUSE SIDE SHIELD. O LIGHT SQUARE WITH EXTENDED ARM. STRAIGHT SQUARE SEVEN GAUGE STEEL POLE 16'-0" FT ON PRE MANUFACTURED BASE. POLE AND LUMINARE 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 LUMINARE 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" FTON PRE MANUFACTURED BASE. POLE AND LUMINARE MANUFACTURERS STANDARD FINISH AS SELECTED BY ARCHITECT. COOPER LIGHTING GLEON-AF-01-LED-E1-SL4FT	LED 4000K	236
FE4	BUILDING MOUNTED LUMINIARE 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

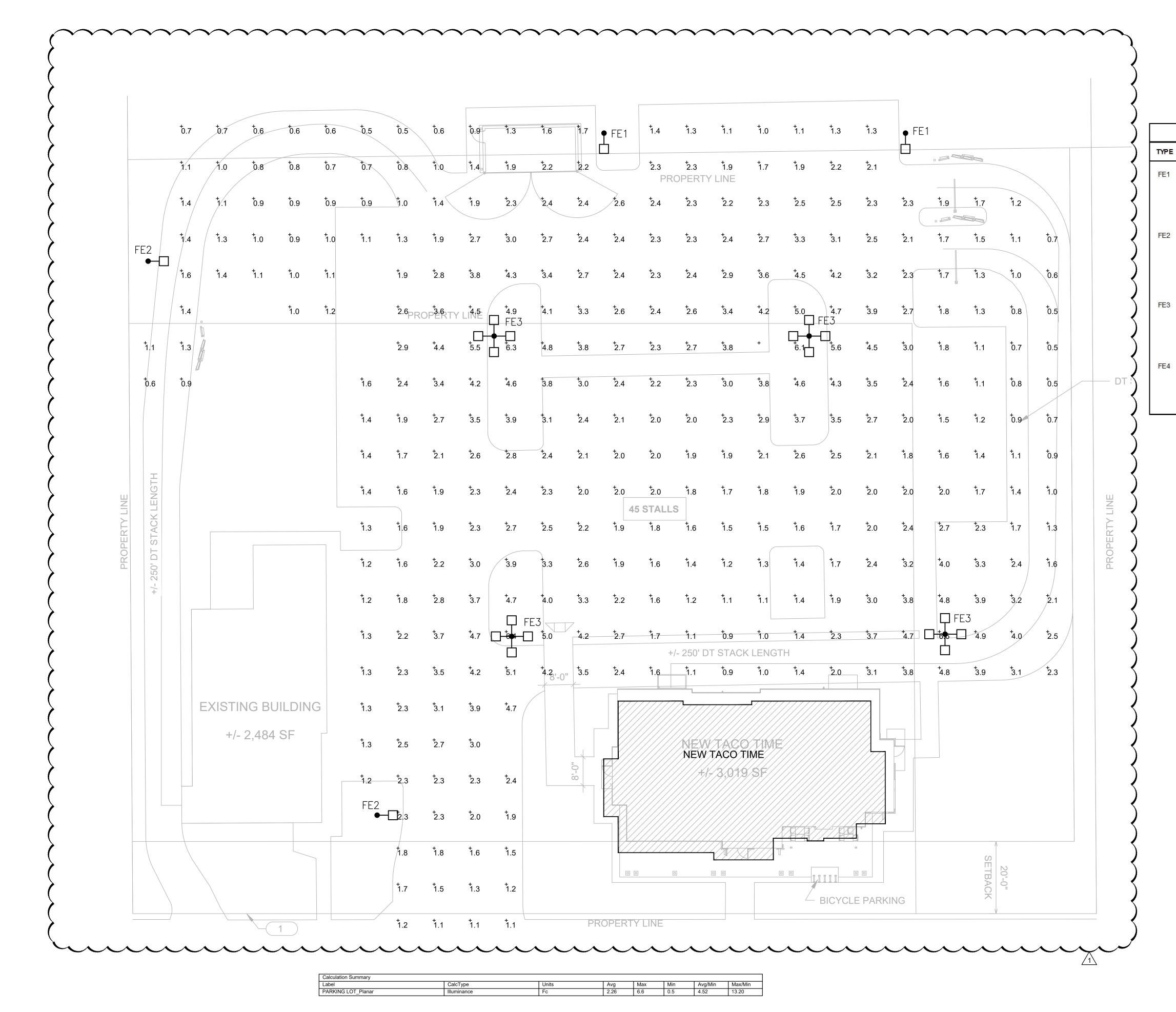
GENERAL NOTES

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



PUYALLU	
ł	
PROJECT NEW CONSTRUCTION TACO TIME	1115 East Main Avenue Puyallup, WA 98372
REVISIONS	12-22-23
	12-22-23
DATE 12-19-2023 BCRA NO. CADD FILE	
SHEET TITLE	
ELECTRICAL	SITE PLAN
© COPYRIGHT 2013 - BCRA, IN SHEET	





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



LIGHTING FIXTURE SCHEDULE - SITE		
DESCRIPTION	LAMP	WATTS/ FIXT
POLE, ARM MOUNTED LED LUMINAIRE, NOMINALLY 15" BY 21" WITH DIE CAST ALUMINUM HOUSING. TYPE 4 FULL CUT OFF OPTICS WITH HOUSE SIDE SHIELD. O LIGHT SQUARE WITH EXTENDED ARM. STRAIGHT SQUARE SEVEN GAUGE STEEL POLE 16'-0" FT ON PRE MANUFACTURED BASE. POLE AND LUMINARE MANUFACTURERS STANDARD FINISH AS SELECTED BY ARCHITECT. COOPER LIGHTING GLEON-AF-01-LED-E1-SL4-HSS	LED 4000K	59
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 LUMINARE MANUFACTURERS STANDARD FINISH AS SELECTED BY ARCHITECT. COOPER LIGHTING GLEON-AF-01-LED-E1-SL2	LED 4000K	59
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" FTON PRE MANUFACTURED BASE. POLE AND LUMINARE MANUFACTURERS STANDARD FINISH AS SELECTED BY ARCHITECT. COOPER LIGHTING GLEON-AF-01-LED-E1-SL4FT	LED 4000K	236
BUILDING MOUNTED LUMINIARE 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

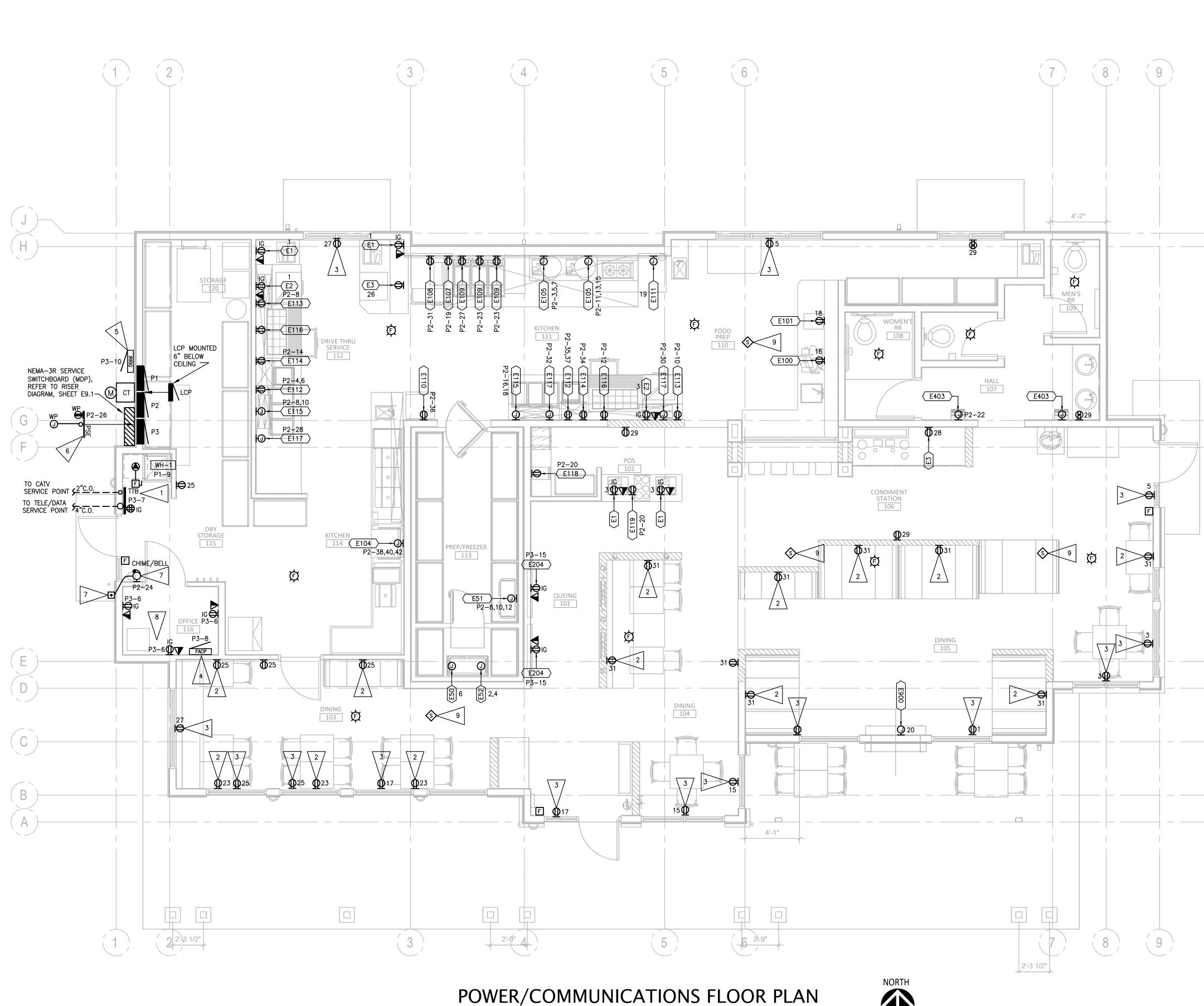
(E 2 \mathbf{m}





~ PUYALLUP	
NEW CONSTRUCTION TACO TIME	1115 East Main Avenue Puyallup, WA 98372
1 Addendum #1	12-22-23
DATE	
12-19-2023	
BCRA NO.	
CADD FILE	
SHEET TITLE	
LIGHTING CALCULATION ELECTRICAL \$	
BCR/	
SHEET	
ΕL′	1.1

PROJECT STATUS



SCALE: 1/4" = 1'-0"



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 CEILNG. 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. SHOW WINDOW RECEPTACLE (NEC 210.62) MOUNT 2" BELOW CEILING |3>FIRE ALARM CONTROL PANEL - CONFIRM EXACT LOCATION WITH |4>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 DOOR BUZZER SYSTEM - PROVIDE PUSHBUTTON AT +48" ON STRIKE SIDE OF BACK DOOR. PROVIDE BUZZERS MOUNTED JUST BELOW CEILINGS IN KITCHEN AND OFFICE. PROVIDE OVERRIDE SIWTCH 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.

U \mathbf{m} T 253 2106 SEAL CASE425, S 980 425 Δ \supset AL ΡŪ PROJECT NEW CONSTRUCTION TACO TIME REVISIONS Addendum # 12-19-2023 SHEET TITLE POWER/COMM FLOOR PLAN





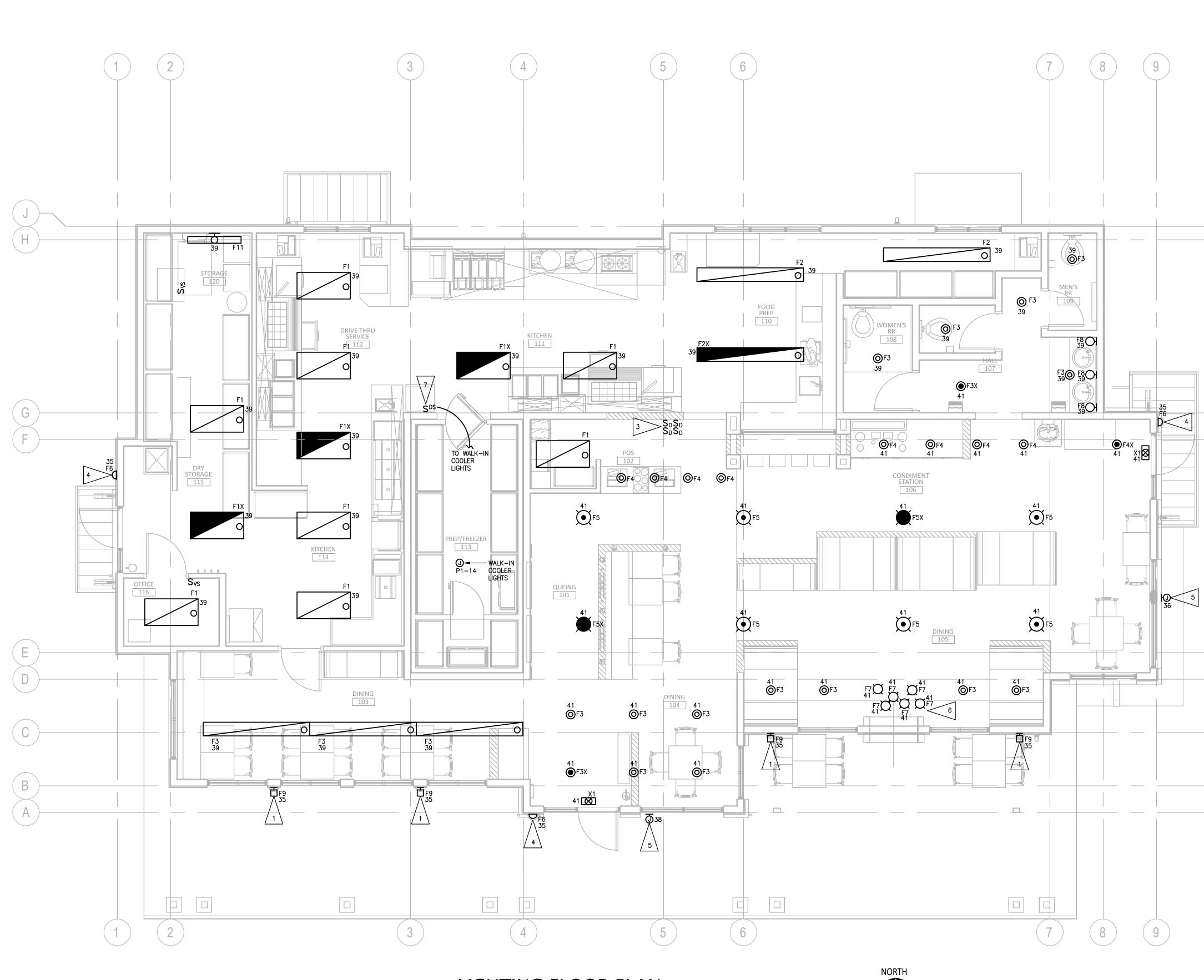
-(C

Н

G

F

2



SCALE: 1/4" = 1'-0"

LIGHTING FLOOR PLAN



2 U Ω T 25; 2106 **GENERAL NOTES** 1. 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. 3. 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 1 EXTERIOR FIXTURE MOUNTED AT +19'-0" ABOVE GRADE. REFER TO ARCHITECTURAL ELEVATIONS. G 2 (NOT USED) PROVIDE DIGITAL SWITCHES PER SWITCH DETAIL, THIS SHEET. $|3\rangle$ $\sim \sim \sim \sim$ |4 ALLUP 6 REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, FOR DIMENSIONS AND SPACING OF "F6 CLUSTERS". 7 PROVIDE 0-TO-15 MINUTE DIGITAL TIMER SWITCH (WATTSTOPPER \succ RT–100 OR EQUAL). ΡÚ BLUE BOX CHELSEA SWITCH LV1-----BLUE BOX CHELSEA SWITCH LV2 PROJECT NEW CONSTRUCTION TACO TIME East Main Aven Illup, WA 98372 5 6 ALL ON/OFF' (GREEN) -12 KITCHEN AREA (R1)-POINT OF SALE (R2) - SIGN LIGHTS (R6, R8) 1115 Puyal 7 8 EXTERIOR LIGHTS (R7) -3 4 DINING AREA (R3)-— SPARE (NOT USED) SPARE-REVISIONS (NOT USED) 1 Addendum #1 12-22-23 PROVIDE LOW VOLTAGE SWITCHES IN DOUBLE GANG BOX. PROVIDE ENGRAVED COVERPLATE AND BUTTONS AS DETAILED. R# REFERS TO LCP RELAY NUMBER. SWITCH DETAIL NOT TO SCALE 12-19-2023

PROJECT STATUS

E3.1

BCRA NO.

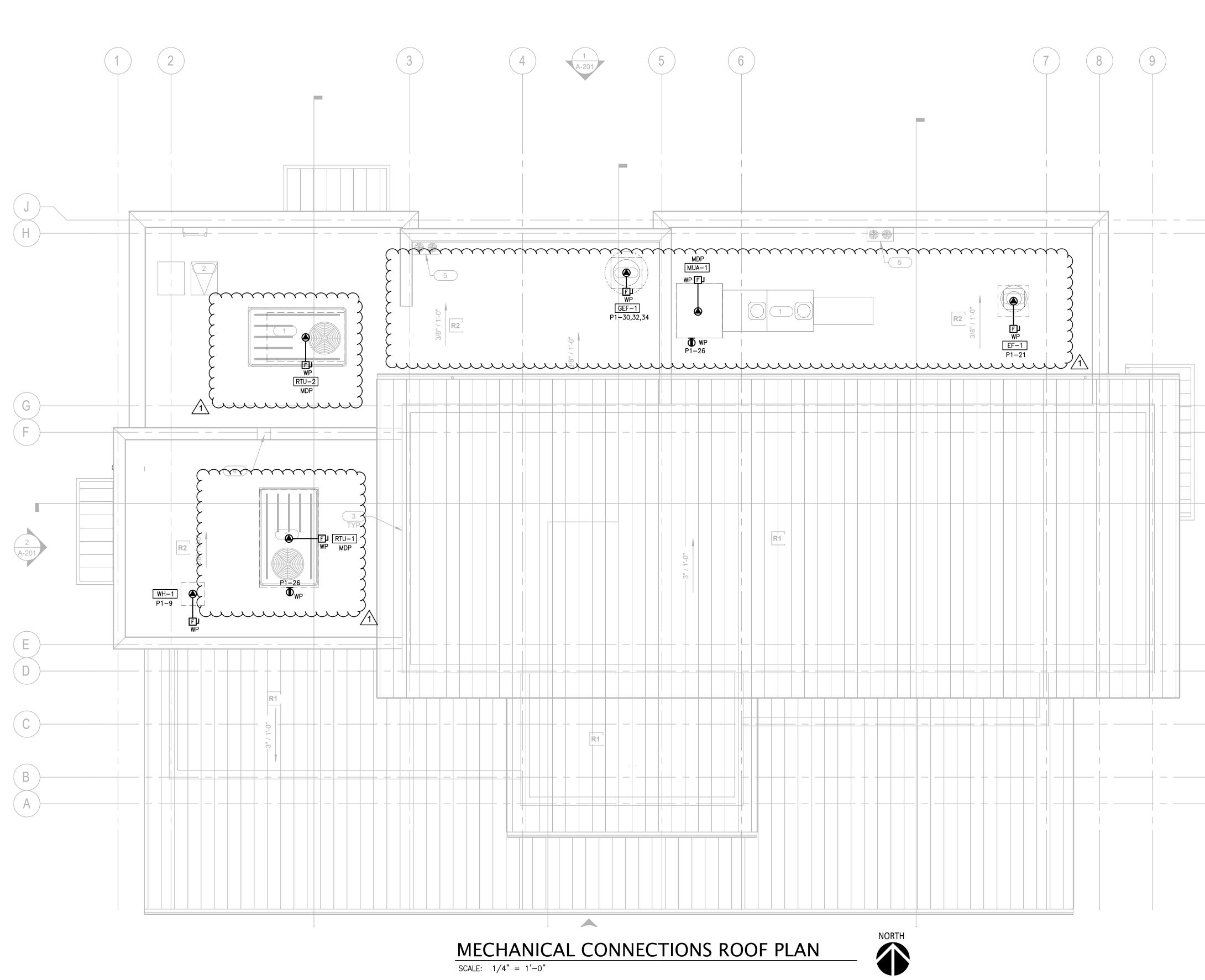
ADD FILE

SHEET TITLE

SHEET

LIGHTING FLOOR PLAN

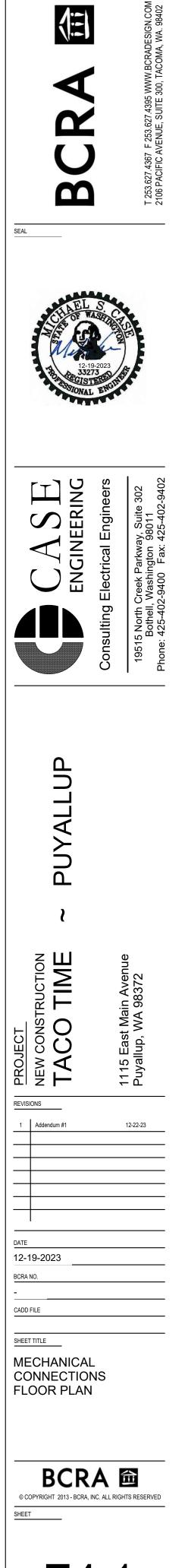
BCRA 圙 © COPYRIGHT 2013 - BCRA, INC. ALL RIGHTS RESERVED



GENERAL NOTES

4 A-301

1 REPER O MECHANICAL EQUIPMENT CONNECTION SCHEDULE, SHEET E10.1, FOR HVAC CONNECTION REQUIREMENTS

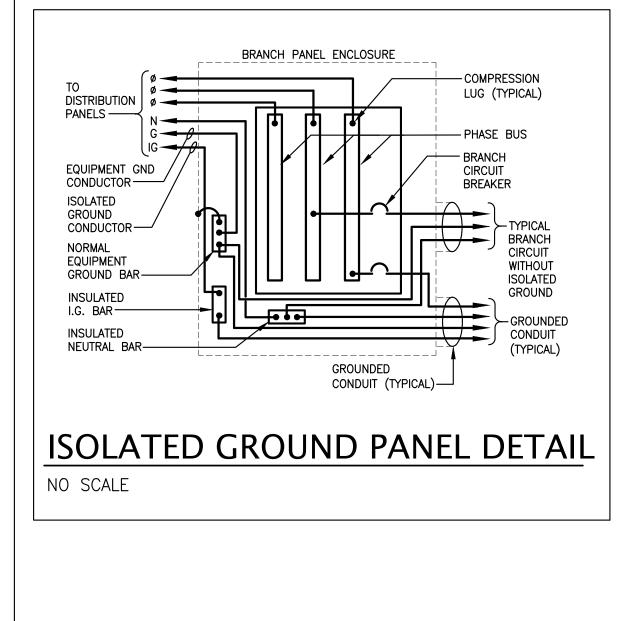


E4.1 PROJECT STATUS

	CT NA	ME: TACOTIME TOTEN	1 LA										PROJECT #:	18315
LOCAT	ION:	KIRKLAND, WA 98	034	F	Ð	FROM:	UTILI	ΓY						
NOTE	СКТ	CIRCUT NAME		СВ	SIZ	E	LO	AD (K	VA)					
NOTE	NO.		θ	AM	P	R	Н	М	L	K	0	TOTAL	PANEL DESCRI	PTION
	1	PANEL P1	A	150	3	4.26	2.25	1.11	1.75	5.31	0.50	15.18	PANEL AMPS :	40
			В		-	3.72	1.10	1.36	1.95	5.63		13.76	FEEDER AMPS :	40
			C		-	3.62	3.25	1.36				13.96	L - L VOLTS :	20
	2	PANEL P2	A	150	3		1	5.40	0.50	10.59		16.49	L - NVOLTS :	12
			B		-			6.40		9.24		15.64	PHASE:	3
			C		1			6.70		11.18	٤	18.13	WIRE :	4
	3	PANEL P3	A		3	2.19					1.01	3.20	A.I.C. :	221
			B		-	1.29					3.01	4.30		
			C		-	1.94		ļ			0.01	1.95	_	_
													M.L.O.	
								ļ		ļ				400
					_			ļ					FLUSH	_
							ļ	ļ					SURFACE X	
					ļ		ļ	ļ		ļ			ISO GND X	
								ļ					FEED-THRU	
					_			L						
								ļ		ļ				
													LOAD SUM I (TO TAL, ALL SEI	
							ļ	ļ					(10182,822.52	e no n
	<u> </u>		-		-			7.00				7.00		47
	8	RTU-1 & RTU-2					ļ	7.90				7.90	REC KVA :	17.
			B		-			7.90				7.90	HEAT KVA :	6.6
	9	 SOLAR/PV SYSTEM	C		-			7.90				7.90		49. 5.7
	9		B		_ 3		ļ	ļ					LIGHTING KVA : KITCHEN KVA :	
					-								OTHER KVA:	40. 4.8
	10	 MUA-1			-			1.14				1.14	UINER KVA .	4.0
			В		3		ļ	1.14				1.14	PHASEA KVA :	43.
					-			1.14				1.14	AMPS :	43. 365
					-			1.14				1.14	PHASEB KVA :	42.
					+								AMPS :	42. 356
					+			ļ					PHASEC KVA :	43.
					-			ļ		ļ			AMPS :	359
					+								AMI 0 .	000
					+									
					-								CONNECTED LO,	AD
					+								KVA :	
					┢								AMPS :	360
					-								DEMANDLOAD	
					+								KVA :	113
					+								AMPS :	314
NOTES	S/REM	ARKS :			TD			ERSIT	Y FAC	TORS	~~~~			
1.		FY EXACT SIZE WITH SOLAR CONTRACTOR	२			OAD		RIPTIC					DEMAND	
		R TO ORDERING GEAR			F	R	RECE	PTACL	.ES - T	O 10K	VA		100% =	10.
2	INTE	RLOCK WITH EF-1, GEF-1, AND GEF-2.						REMA	INING	OVER	10KV/	4	50% =	
		RDINATE CONTROLS WITH MECHANICAL.				Н	HEAT	ING					100% =	
						М	мото	DRS					100% =	
						LM			SEST N	10TOR			125% =	
						LM	LIGHT		•				125% =	
						K	KITCH						65% =	

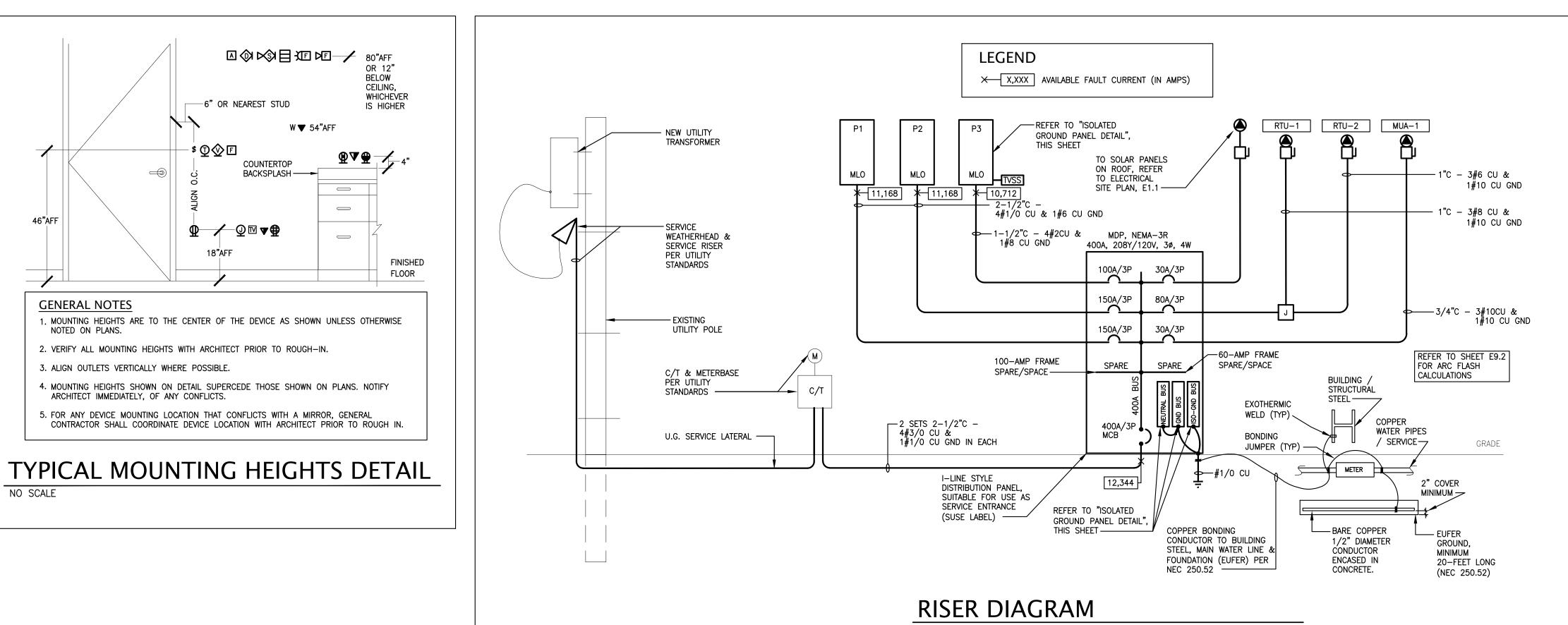
NEW PANEL: MDP

			1	١E	W	PAN	IEL P	` 1						
PROJE	CT N		LA	KE									PROJECT #:	18315
LOCA.	TION:	KIRKLAND, WA 9803	4	F	Ð	FROM:	MDP							
	скт	CIRCUIT NAME	_	BS	ZE		LO	AD(K)	(A)					
NOTE	NO.			AM			ГН	M	L L	К	0	TOTAL	PANEL DESCR	PTION
		REC - SHOW WINDOWS	A	20							-	1.00	PANEL AMPS :	200
	3	REC - SHOW WINDOWS	В	20		1.00	-					1.00	FEEDER AMPS :	150
	5	REC - SHOW WINDOWS		20								1.00	L - L VOLTS :	208
	7	REC - DINING	A	20		1.00						1.00	L - N VOLTS :	120
	9	WH-1	В	20			0.10					0.10	PHASE :	3
	11	WH-2	c	30	2		2.25					2.25	WIRE :	4
	13		A		-		2.25					2.25	A.I.C. :	22K
	15	REC - SHOW WINDOWS	В	20	1	1.00		1			h	1.00		
	17	REC - SHOW WINDOWS	c	20	1	1.00						1.00		
	19	FIRE SUPPRESSION CONTROLS <e111></e111>	A	20	1						0.50	0.50	M.L.O. 🕽	ส
	21	 EF-1	В	20	1		1	1		0.67	1	0.67		-
	23	REC - USB CHARGING	c	20	1	0.90						0.90	FLUSH	त
	25	REC - SHOW WINDOWS	A	20	1	1.00						1.00	SURFACE	1
	27	REC - SHOW WINDOWS	В	20	1	1.00	<u> </u>					1.00	ISO GND	1
	29	REC	C	20	1	0.72	1					0.72	FEED-THRU	1
	31	REC - USB CHARGING	A	20	1	0.90						0.90		
	33	LTG - SITE	В	20	1				1.10	1		1.10		
	35	LTG - EXTERIOR (PERIMETER)	C	20	1				0.11			0.11		
	37	LTG - GENERAL	A	20	1				0.50			0.50	LOAD SUM	MARY
	39	LTG - KITCHEN	В	20	1		1		0.85	İ		0.85	(TOTAL, ALL SE	CTIONS)
	41	LTG - DINING	C	20	1				0.38			0.38		
	2	WALK-IN-COOLER <52>	A	20	1					1.56		1.56	REC KVA:	11.6
	4		В	20	1		1	ĺ		1.56	ĺ	1.56	HEATKVA:	6.6
	6	BLOWER COIL <e50></e50>	C	20	1					0.21		0.21	MOTOR KVA :	3.8
	8	BLOWER COIL < E51>	A	40	3					3.00		3.00	LIGHTING KVA :	5.2
	10		В		-		1			3.00		3.00	KITCHEN KVA:	15.2
	12		С		-		-			3.00		3.00	OTHER KVA :	0.5
	14	LTG - WALK-IN COOLER LIGHTS	A	20	1				0.25			0.25		
	16	SLICER <e100></e100>	В	20	1					0.40		0.40	PHASEAKVA:	15.2
	18	SHREDDER <e101></e101>	С	20	1					1.04		1.04	AMPS :	126.5
	20	FIREPLACE <e900></e900>	A	20	1					0.75		0.75	PHASEBKVA:	13.8
		SPARE	В	20	1								AMPS :	114.7
	24	SPARE	C	20	1								PHASECKVA:	14.0
		REC - RESTROOMS	A	20	1							0.36	AMPS :	116.3
		REC - HVAC SERVICE RECEPTS	В	20		0.72						0.72		
		GEF-1	C	20	3			1.11				1.11		
	32		A		-			1.11		[Į	1.11	CONNECTED LC	
	34		B				ļ	1.11		ļ	ļ	1.11	KVA :	
			C	20		ļ		ļ	1.00		ļ	1.00	AMPS :	119.1
				20					1.00	ļ	ļ	1.00	DEMAND LOAD	
		HAND DRY ER <e4903></e4903>	B				1	0.25	ļ		ļ	1.25	KVA :	
		HAND DRY ER <e403></e403>	С	20			[0.25				1.25	AMPS :	106.5
			-							ORS				
1.		TE VIA LCP FOR CONTROL OF RECEPTS, REFI	±K		Ľ					10101	A		DEMAND	10.0
		CP SCHEDULE E0.2				R	RECE						100% =	
2.	ROU	TE VIA LOP REFER TO LOP SCHEDULE E0.2					1 IEA -		INING (WER 1	UKVA		50% =	
						Н	HEATI						100% =	0.0
						M	ΜΟΤΟ						100% =	
						LM			EST MO	JUK			125% =	
						L	LIGHT						125% =	0.0
						ĸ	KITCH						65% =	
						0	OTHE	۲					100% =	0.5



NO SCALE

- NOTED ON PLANS.



NOT	TO	SCALE

				r	NEI	N	PAN	IEL P	2						
PROJE	CT N	AME: TAC	OTIME TOTE	M LAŁ	<e< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>PROJECT #:</td><td>18315</td></e<>									PROJECT #:	18315
LOCA	TION:	KIRK	(LAND, WA 98	3034	FI	Ð	FROM:	MDP							
NOTE	скт	CIRCUIT NAME		c	B SIZ	ZE		LO/	۵D(Kv	/A)					
NOTE	NO.			θ	AMF	P	R	н	М	L	K	0	TOTAL	PANEL DESCRI	PTION
1,2	1	HOOD LIGHTS	<e150></e150>	A	20	1				0.50			0.50	PANEL AMPS :	200
1,2	3	TABLE TOP KETTLE	<105>	В	30	3					2.20		2.20	FEEDER AMPS :	150
	5			C		-					2.20		2.20	L - L VOLTS :	208
	7			Α		1-					2.20		2.20	L - N VOLTS:	120
	9	SHUNT TRIP UNIT	<e105></e105>	В										PHASE :	3
1,2	11	TABLE TOP KETTLE	<e105></e105>	С	30	3					2.20		2.20	WIRE :	4
	13			A		-					2.20		2.20	A.I.C. :	22K
	15			В		-			1.00				1.00		
	17	SHUNT TRIP UNIT	<e105></e105>	С											
1,2	19	FRY ER DUMP STATION	<e107></e107>	A	20	1					0.35		0.35	M.L.O. 🗴	
	21	SHUNT TRIP UNIT	<e107></e107>	В										MAIN CB	
1,2		FRYER	<e109></e109>	С	20	1					0.35		0.35	FLUSH 🗙	Ĩ
	25	SHUNT TRIP UNIT	<e109></e109>	Α										SURFACE	
1,2	27	FRYER	<e109></e109>	В	20	1					1.30		1.30	ISO GND	
		SHUNT TRIP UNIT	<e109></e109>	C										FEED-THRU	
1,2		2-DRAWER REFER	<e108></e108>	A	20	1					1.30		1.30		
		SHUNT TRIP UNIT	<e108></e108>	В											
	35	MICROWAVEOVEN	<e112></e112>	C	30	2					1.50		1.50		
	37			Α		_					1.50		1.50	LOAD SUM	
	39	ICE DISPENSER	<e5></e5>	В	20	1					1.30		1.30	(TOTAL, ALL SE	CTIONS)
	41	ICE DISPENSER	<e5></e5>	С	20	1					1.30		1.30		
	2	2-DRAWER REFRIG.	<e108></e108>	Α	20	1					0.45		0.45	REC KVA :	
	4	MICROWAVEOVEN	<e112></e112>	В	30	2					1.50		1.50	HEATKVA :	
	6			С		-					1.50		1.50	MOTOR KVA :	18.5
	8	WARMING DRAWER	<e115></e115>	A	20	1					0.44		0.44	LIGHTING KVA :	0.5
		WARMING DRAWER	<e115></e115>	В	20	1					0.44		0.44	KITCHEN KVA :	31.0
	12	RAISED RAIL REFRIG.	<e116></e116>	С	20	1					1.04		1.04	OTHER KVA :	0.3
	14	SANDWICH GRILL	<e114></e114>	Α	20	1					1.70		1.70		
	16	WARMING WELLS	<e115></e115>	В	30	2					1.10		1.10	PHASEAKVA:	16.5
	18			С		_					1.10		1.10	AMPS :	137.4
		ICED TEA DISPENSER	<e118></e118>	Α	20	1		ļ			0.46		0.46	PHASEBKVA:	15.6
		SODA DISPENSER	<e68></e68>	B		1								AMPS :	130.3
	·	DOORBELL		C	30	-						0.25	0.25	PHASECKVA:	18.1
		PSE ANTENNA SY STEM		A	20									AMPS :	151.1
		HEATLAMPS	<e117></e117>	B	20	1									
			<e117></e117>	C	20										
			<e117></e117>	A	20						1 10		1 10	CONNECTED LC	
		SANDWICH GRILL	<e114></e114>	B	20	-{			4 2 2		1.40		1.40	KVA :	50.3
		FREEZER	<e110></e110>	C	20	1			1.30				1.30	AMPS :	139.5
		DISHWASHER	<e104></e104>	A	60	3			5.40				5.40	DEMAND LOAD KVA :	
	40 42			B		-			5.40 5.40				5.40		40.9 113.5
NOTE							- NA A NU	L D/DIVE	1	FACT	0.000		5.40	AMPS :	115.0
		M ARKS : / IDE SHUNT TRIP BREAKER						DESCR			UKƏ			DEMAND	
		/ IDE INTERLOCK W/ FIRE ALA			19		R	RECEP			1010/	<u>۸</u>		100% =	
2. 3.	mo				LU		IX.				VER 1			50% =	
						н	HEATIN						100% =		
							M	MOTOF						100% =	
							LM			EST MO				125% =	
							L	LIGHTIN						125% =	
							ĸ	KITCHE						65% =	
						1	0	OTHER						100% =	
						<u> </u>	-								0.0

			ſ	NEV	V	PAN	EL P	93						
PROJE	CT N		LAł	۲E									PROJECT #:	18315
LOCA	TION:	KIRKLAND, WA 980	34	FE	Ð	ROM:	MDP							
	скт	CIRCUIT NAME	C	B SIZ	ĽΕ		LO	AD(KV	/A)					
NOTE	NO.		θ	AMF	Ρ	R	Н	M	L	K	0	TOTAL	PANEL DESCRI	PTION
	1	CASH REGISTERS & MONITORS <e1,e2></e1,e2>	A	20	1	0.75						0.75	PANEL AMPS :	100
	3	CASH REGISTERS & MONITORS <e1, e2=""></e1,>	В	20	1	0.75						0.75	FEEDER AMPS :	100
	5	TV	С	20	1	0.50						0.50	L - L VOLTS :	208
	7	ТТВ	A	20	1	0.36				 		0.36	L - N VOLTS:	120
	9	REC - DEVICE CHARGING STATIONS	В	20	1	0.54				[1	0.54	PHASE :	3
	11	REC - DEVICE CHARGING STATIONS	С	20	1	0.54						0.54	WIRE :	4
	13	REC - DEVICE CHARGING STATIONS	A	20	1	0.36						0.36	A.I.C. :	22K
	15	MENU BOARDS <e204></e204>	В	20	1						1.50	1.50		
	17	SPARE	C	20	1									
	19	SPARE	A	20	1								M.L.O. 🗡	
	21	SPARE	В	20	1					[1			
	23	SPARE	С	20	1								FLUSH X	
	25	SPARE	A	20	1								SURFACE	
	27	SPARE	В	20	1								ISO GND 🗙	
	29	SPARE	С	20	1								FEED-THRU	1
										1				-
										1				

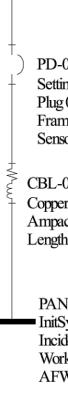
													LOAD SUM	MARY
										İ			(TOTAL, ALL SE	CTIONS)

	2	LIGHTING CONTROL PANEL (LCP)	A	20	1						0.50	0.50	REC KVA :	5.4
	4	SOUND SY STEM & IT RACK	В	20	1						1.00	1.00	HEAT KVA :	
	6	REC - OFFICE	C	20	1	0.18					1	0.18	MOTOR KVA :	
	8	FIRE ALARM CONTROL PANEL (FACP)	A	20	1						0.50	0.50	LIGHTING KVA :	
	10	IRRIGATION CONTROL PANEL	В	20	1						0.50	0.50	KITCHEN KVA :	
	12	REC - DEVICE CHARGING STATIONS	c	20	1	0.72						0.72	OTHER KVA :	4.0
	14	REC - DEVICE CHARGING STATIONS	A	20	1	0.72						0.72		
	16	SPARE	В	20	1								PHASEAKVA:	3.2
	18	SPARE	c	20	1								AMPS :	26.7
	20	TVSS	A	30	3						0.01	0.01	PHASEBKVA:	4.3
	22		В		1-						0.01	0.01	AMPS :	35.8
	24		C		-						0.01	0.01	PHASECKVA:	2.0
	26	SPARE	A	20	1								AMPS :	16.3
	28	SPARE	В	20	1									
		SPARE	c	20	1					1	1			
					1								CONNECTED LC	AD
					t					1			KVA :	9.5
					1						1		AMPS :	26.2
					1								DEMAND LOAD	
					÷			. 1		2	<u>}</u>			9.5
													KVA :	9.0
													KVA: AMPS:	9.5 26.2
NOTE	S/RE	MARKS :			DE	EMANE		RSITY	FACT	ORS				
		MARKS : ide Innovative Technology #PT-E-065-3Y 101-5	SD			Emane Dad		FRSITY RIPTION		ORS				
1.	Provi		SD		LC		DESCF				A		AMPS :	26.2
1.	Provi or ap	ide Innovative Technology #PT-E-065-3Y 101-		5.10		DAD	DESCF	RIPTION	I IS - TC) 10KV			AMPS : DEMAND	26.2
1. 2.	Provi or ap Routi	ide Innovative Technology #PT-E-065-3Y 101-3 pproved		5.10	LC	DAD	DESCF	RIPTION PTACLE REMAI	I IS - TC) 10KV			AMPS : DEMAND 100% =	26.2
1. 2.	Provi or ap Routi	ide Innovative Technology #PT-E-065-3Y 101-s proved e via LCP for controlled receptacle per WSEC		5.10		DAD R	DESCF RECEF	RIPTION PTACLE REMAI NG	I IS - TC) 10KV			AMPS : DEMAND 100% = 50% =	26.2
1. 2.	Provi or ap Routi	ide Innovative Technology #PT-E-065-3Y 101-s proved e via LCP for controlled receptacle per WSEC		5.10		R R	DESCF RECEF	RIPTION PTACLE REMAI NG	I IS - TC NING () 10KV () () () () () () () () () () () () () (AMPS : DEMAND 100% = 50% = 100% =	26.2
1. 2.	Provi or ap Routi	ide Innovative Technology #PT-E-065-3Y 101-s proved e via LCP for controlled receptacle per WSEC		5.10		R R H M	DESCF RECEF	RIPTION TACLE REMAI NG RS LARGI	I IS - TC NING () 10KV () () () () () () () () () () () () () (AMPS : DEMAND 100% = 50% = 100% =	26.2
1. 2.	Provi or ap Routi	ide Innovative Technology #PT-E-065-3Y 101-s proved e via LCP for controlled receptacle per WSEC		5.10		R R H M LM	DESCF RECEF HEATII MOTO	RIPTION TACLE REMAI NG RS LARGI ING	I IS - TC NING () 10KV () () () () () () () () () () () () () (AMPS : DEMAND 100% = 50% = 100% = 125% =	26.2



PROJECT STATUS

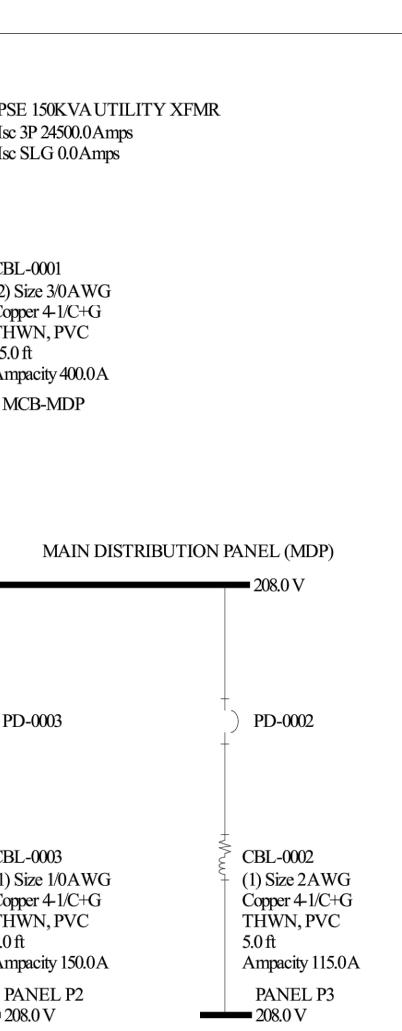
Tacotin Puyallu 8-22-23 CE#214 Scott G



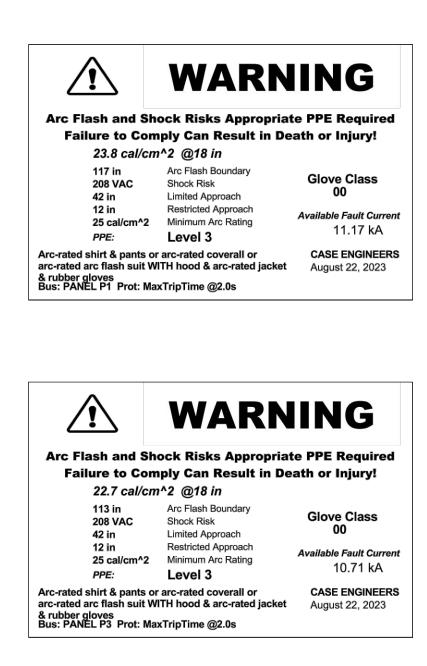
otimeNW Puyallup allup, WA 2-23	PSE 112.5KVA UTILITY XFM SC Contribution 3P 18400.0Amps SC Contribution SLG 0.0Amps		TacotimeNW Puyallup Puyallup, WA 8-22-23	PSE - Isc 3 Isc S
#21408 tt Gore	CBL-0001		CE#21408 Scott Gore	•
	E Copper Ampacity 400.0 A Length 100.0 ft			CBL- (2) Siz Coppe THW
	 MCB-MDP Setting_LTPU Plug 0.0A Frame/Rating 0.0A Sensor/Trip 0.0A 			75.0 ft Ampa) MC
	MAIN DISTRIBUTION	PANEL (MDP)		
		InitSymRMS 3P 12343.77A IncidentEnergy 0 Cal/cm^2 Working Distance 24 inches AFWC_PPE Level		
PD-0004 Setting_LTPU Plug 0.0A Frame/Rating 0.0A Sensor/Trip 0.0A	 PD-0003 Setting_LTPU Plug 0.0A Frame/Rating 0.0A Sensor/Trip 0.0A 	 PD-0002 Setting_LTPU Plug 0.0A Frame/Rating 0.0A Sensor/Trip 0.0A) PD-0004	- _) PD-
BL-0004 opper mpacity 150.0 A ength 10.0 ft	CBL-0003 Copper Ampacity 150.0A Length 10.0 ft	CBL-0002 Copper Ampacity 115.0A Length 10.0 ft		
PANEL P1 InitSymRMS 3P 11168.29A IncidentEnergy 0 Cal/cm^2 Working Distance 24 inches AFWC_PPE Level	PANEL P2 InitSymRMS 3P 11168.29A IncidentEnergy 0 Cal/cm^2	PANEL P3 InitSymRMS 3P 10712.12A IncidentEnergy 0 Cal/cm^2 Working Distance 24 inches AFWC_PPE Level	CBL-0004 (1) Size 1/0AWG Copper 4-1/C+G THWN, PVC 5.0 ft Ampacity 150.0A	CBL- (1) Siz Coppe THW 5.0 ft Ampa
	Working Distance 24 inches AFWC_PPE Level		PANEL P1 208.0 V	PA1 208.
	T CURRENT RI	SER	FAULT CUR	RENT I
NOT TO SCA	ALE.		NOT TO SCALE	

\triangle	WARN	ING				
	hock Risks Appropriat mply Can Result in De	-				
	:m^2 @18 in					
125 in 208 VAC 42 in 12 in	Arc Flash Boundary Shock Risk Limited Approach Restricted Approach	Glove Class 00				
999 cal/cm ⁴ PPE:		Available Fault Current 12.34 kA				
arc-rated arc flash suit & rubber gloves	Arc-rated shirt & pants or arc-rated coverall or arc-rated arc flash suit WITH hood & arc-rated jacket & rubber gloves Bus: MAIN DISTRIBUTION PANEL (MDP) Prot: MaxT					
	WARN	ING				
	bock Risks Appropriat	te PPE Required				
23.8 cal/o	:m^2 @18 in					
447	Are Elech Boundany					

_			
20	7 in 8 VAC in	Arc Flash Boundary Shock Risk Limited Approach	Glove Class 00
	in cal/cm^2 ?E:	Restricted Approach Minimum Arc Rating Level 3	Available Fault Current 11.17 kA
Arc-rated shir arc-rated arc f & rubber glove Bus: PANEL F	lash suit WIT	CASE ENGINEERS August 22, 2023	



INPUT DATA RISER



EAL		T 253.627.4367 F 253.627.4395 WWW.BCRADESIGN.COM 2106 PACIFIC AVENUE, SUITE 300, TACOMA, WA. 98402
ROMAN AND AND AND AND AND AND AND AND AND A	S. C. P.	
CASE ENGINEERING	Consulting Electrical Engineers	19515 North Creek Parkway, Suite 302 Bothell, Washington 98011 Phone: 425-402-9400 Fax: 425-402-9402
~ PUYALLUP		
BROJECT NEW CONSTRUCTION NEW CONSTRUCTION REVISIONS 1 Addendum #1		Puyallup, WA 98372
DATE 12-19-2023 BCRA NO. - CADD FILE SHEET TITLE ARC FLASH CALCULATION LABELS)NS &	
BCR © COPYRIGHT 2013- BCRA SHEET		ATS RESERVED

PROJECT STATUS

MECHANICAL EQUIPMENT CONNECTION SCHEDULE								KITCHEN EQUIPMENT CONNECTION SCHEDULE															
TAG	DESCRIPTION	HP /KW /VA	VOLTS / PHASE	MCA	FUSE (MOCP)	DISC. SWITCH	CIRCUIT	COPPER FEEDER SIZE	TAG	REMARKS	NOTES	TAG	EQUIPMENT	VOLTS/ PHASE	AMPS	kVA / kW	HP COPPER FEEDER SIZE	MTG. HEIGHT	CONNECTION	CIRCUIT NUMBER	TAG	REMARKS	NOTES
		104.1/4	11 5/ 1	1			D10					E1	POINT OF SALE (POS) SYSTEM	115/1	3		1/2"C,2#12,2#12GND	VERIFY	DUPLEX REC	P1-3, P1-27	E1		
WH-1 WH-2	WATER HEATER (GAS) WATER HEATER (ELECTRIC)	104 VA 4.5 KW	11 5/ 1 208 / 3	15.6	-	HRS 30	P1-9 P1-11,13	1/2"C, 2#12,1#12GND 3/4"C,3#12,1#12GND	WH-1 WH-2		2	E1 E2	POINT OF SALE (FOS) STSTEM	115/1	3		1/2"C,2#12,2#12GND	+84"	DUPLEX REC	F1-3, F1-27	E1		2
V VI I-2		4.5 KVV	20073	15.0	-		F 1-11, 13	0/4 0,0#12,1#120ND	V VI 1-2						-								
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	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
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												
												E50	BLOWER COIL	115/1	18		1/2"C,2#12,1#12GND	+30"	J-BOX	P1-6	E50		
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	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		
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	E100	SLICER	115/1	3.5		1/2"C,2#12,1#12GND	+ 48"	DUPLEX REC	P1-16	E100		
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	E101	SHREDDER	115/1	9		1/2"C,2#12,1#12GND	+ 48"	DUPLEX REC	P1-18	E100		5,7
GEN	ERAL EQUIPMENT CONN				2							E104	DISHWASHER	208 / 3	45.4		3/4"C,3#8,1#10 GND		J-BOX		E104		
	PLIES TO ALL EQUIPMENT LIST			NOTE	5							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
Α.	THE ABOVE INFORMATION IS	FOR A SPECIE		CTUREE		CTUAL MAN	IUFACTURER EC	R THE FOUIPMENT MAY	BE DIFFERE		ЛТН												
, .	MECHANICAL EQUIPMENT SU											E107	FRYER DUMP STATION	115/1	6.3	0.75kW	1/2"C,2#12,1#12GND	+48"	DUPLEX REC	P2-17	E107		1
	ROUGH-IN.		.,	<i></i> , .								E108	REFRIGERATOR	115/1	5.7		1/2"C,2#12,1#12GND	+30"	DUPLEX REC	P2-31	E108		1
B. LOCATE ALL DISCONNECTING MEANS PER NEC AND AHJ REQUIREMENTS. STARTERS ARE SEPARATELY MOUNTED UNLESS OTHERWISE NOTED.							E109	FRYER	115/1	3		1/2"C,2#12,1#12GND	+30"	DUPLEX REC	P2-23, P2-27	E109		1					
	ABBREVIATIONS:											E110	UPRIGHT FREEZER	120	11		1/2"C,2#12,1#12GND		DUPLEX REC		E110		
	HRS: HORSEPOWER RATE	ED MOTOR DIS	CONNECT S	WITCH \	W/ OVERL	OAD PROT	rection, 16-AMF	P (MIN), RED PILOT LIGH	T. PROVIDE 1-	POLE OR 2-POLE AS	S REQUIRED.									B 4 4 6			
	Sm: MOTOR RATED TOGG	LE SWITCH.					·					E111	FIRE SUPPRESSION SYSTEM	115/1	5		1/2"C,2#12,1#12GND	VERIFY		P1-19	E111		
	TS: TOGGLE SWITCH, 16-4	AMP MINIMUM,	RED PILOT	LIGHT.	PROVIDE	1-POLE OF	R 2-POLE AS RE	QUIRED.				E112 E113		115/1 120	14 3.8		1/2"C,2#12,1#12GND 1/2"C,3#12,1#10GND	+72" +30"	DUPLEX REC	P2-4,6, P2-35,37 P2-34	E112 E113		
D.	ALL DISCONNECTS ARE 3 PO	LE UNLESS NO		RWISE.								E113	WARMING DRAWER SANDWICH GRILL	115/1	3.0 15		1/2°C,3#12,1#10GND	+30"	DUPLEX REC	P2-14	E113		'
E.	PROVIDE A ROOFTOP WEATH	HERPROOF GF	I DUPLEX RE	ECEPTA	CLE WITH	IIN 25 FEET	OF ALL ROOF	MOUNTED HVAC UNITS A	S REQUIRED	BY NEC.		E114	DROP-IN WARMING WELLS	208/1	15	2.1kW	3/4"C,2#10,1#10GND	+30"	SPECIAL REC	P2-8,10, P2-16,18	E115		
F.	CONNECT FIRE SMOKE DAMF	PERS TO A 120	VAC 20 AMF	P CIRCUI	IT ROUTED	D THROUGI	H A RELAY CON	TACT (N.C.) IN THE FIRE	ALARM CONT	ROL PANEL.		E116	RAISED RAIL REFRIGERATOR	115/1	9	2.11(00	1/2"C,2#12,1#12GND	+18"	DUPLEX REC	P2-12	E116		
	REFER TO MECHANICAL DRA	WINGS FOR AL	LL FIRE SMC		MPER LOC	CATIONS AI	ND QUANTITIES.	PROVIDE ALL APPURTE	ENANCES AS	REQUIRED.		E117	HEAT LAMP	208/1	Ŭ	1.3kW	1/2"C,2#12,1#12GND	+72"	J-BOX	P2-30, P2-32	E117		
	PROVIDE DISCONNECT TOGG	LE SWITCH W	/ITHIN SIGHT	OF THE	E DAMPER	R MOTOR C	ONTROLLER AN	D DAMPER MOTOR.				E118	ICE TEA DISPENSER	115/1	4		1/2"C,2#12,1#12GND	VERIFY			E118		
												E119	U.C. REFRIGERATOR	115/1							E119		
	EDULE NOTES																						
(APP	LIES TO SPECIFIC EQUIPMENT	AS NOTED IN	NULES UL									E150	HOOD LIGHTS	115/1	.9		1/2"C,2#12,1#12GND		J-BOX		E150		1
	VERIFY EXISITNG MOTOR(S) A		DISCONNEC	TS & FU	JSING AS F	REQUIRED	1																
	CONTROL BY DIVISION 23 COI											E204	MENUBOARD	115/1	3		1/2"C,2#12,1#12GND		DUPLEX REC	P3-15	E204		
	INTERLOCK WITH EF-1, GEF-1				ROLS WITH	H MECHAN	IICAL CONTRACT	FOR.				— — —											
	PROVIDE MOTOR RATED TOG											E403	HAND DRYER	115/1	20		1/2"C,2#12,1#12GND	VERIFY	J-BOX		E403		
5.	FURNISH DUCT SMOKE DETE	. ,						,			RN AIR DUCT.	F 000		200 / 1	15						F 800		
	UNITS OVER 15,000 CFM TO H											E800	WALK-IN COOLER	208 / 1	15		1/2"C,2#12,1#12GND		J-BOX		E800		
	PROVIDE CONNECTION AT TH		FOR SHUTD	NO NWC	NALARM.	PROVIDE	CONNECTION TO	D THE FIRE ALARM CON	IROL PANEL	AS REQUIRED.		E900	HEAT'N'GLO FIREPLACE	115/1			1/2"C,2#12,1#12GND		J-BOX	P1-20	E900		
	ALL WIRING TO BE IN EMT CC											2900					1/2 0,2#12,1#120ND			F 1-2V			
	CONNECT HEAT PUMP AND H				T AS INDIC	CATED.																	
	PROVIDE SWITCH NEXT TO R																						
	STARTER PROVIDED BY DIV. CONNECT TO LIGHT SWITCH			KEMENT	S WITH DI	IV. 23 CON	IRACIOR PRIOR	R TO ORDERING.					I NOTES - APPLIES TO ALL EQUIPM										· · ·

- **9.** CONNECT TO LIGHT SWITCH IN ROOM FOR CONTROL.

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.

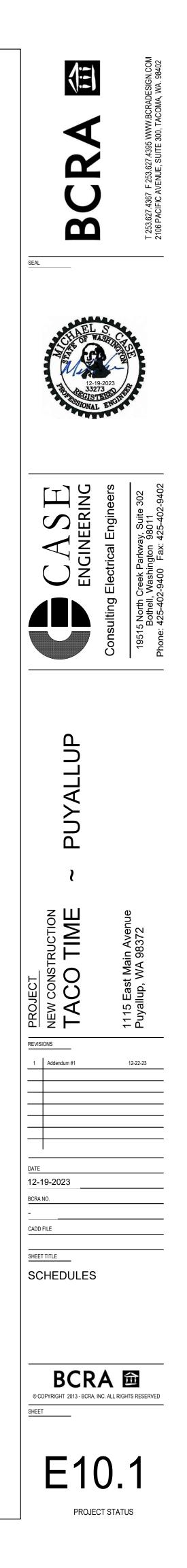
3. SEE FOOD SERVICE PLAN SHEETS FOR FIRE SUPPRESSION SYSTEM DETAILS. COORDINATE AND PROVIDE ALL CONNECTIONS WITH FOOD SERVICE CONTRACTOR AND DIV. 23. 4. COORDINATE RECEPTACLE TYPE WITH KITCHEN EQUIPMENT SUBMITTAL (OR MANUFACTURER) PRIOR TO ROUGH IN. PROVIDE AS REQUIRED.

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. C405.10,11, 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.



PLUMBING LEGEND

G	SENERAL		PLUMBING A
<u>S`</u>	YMBOL	DESCRIPTION	SYMBOL
_		HEAVY LINE INDICATES NEW WORK	
—		LIGHT LINE INDICATES EXISTING WORK OR BACKGROUND	
_	— € — ►	CENTERLINE PIPELINE - NORMAL DIRECTION OF FLOW	
	(1)	KEY NOTE CALLOUT	GW
	$\underline{\land}$	REVISION CALLOUT	
	(P1)	PLUMBING FIXTURE OR DRAIN CALLOUT, SEE SCHEDULE	G
	<u>E94</u>	KITCHEN EQUIPMENT CALLOUT, SEE KITCHEN DOCUMENTS	
	•	POINT OF CONNECTION	CD
	Ø	INDICATES DIAMETER OR ROUND	o
		DETAIL CALLOUT:	۵
	M-2	INDICATES DETAIL NUMBER	
		SHEET NUMBER WHERE DETAIL IS DRAWN	
		SECTION CALLOUT:	ſ ⊲ ſ"\
	A M-2	INDICATES DIRECTION OF CUTTING PLANE	
Ň		INDICATES SECTION LETTER	Å
		SHEET NUMBER WHERE SECTION IS DRAWN	
			<u> </u>

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. 1. FOR A PUBLIC LAVATORY FAUCET. USE THE "PUBLIC LAVATORY

FAUCETS" COLUMN IN TABLE C404.3.1.

2. FOR ALL OTHER PLUMBING FIXTURES AND PLUMBING APPLIANCES, USE THE "OTHER FIXTURES AND APPLIANCES" COLUMN IN TABLE C404.3.1.

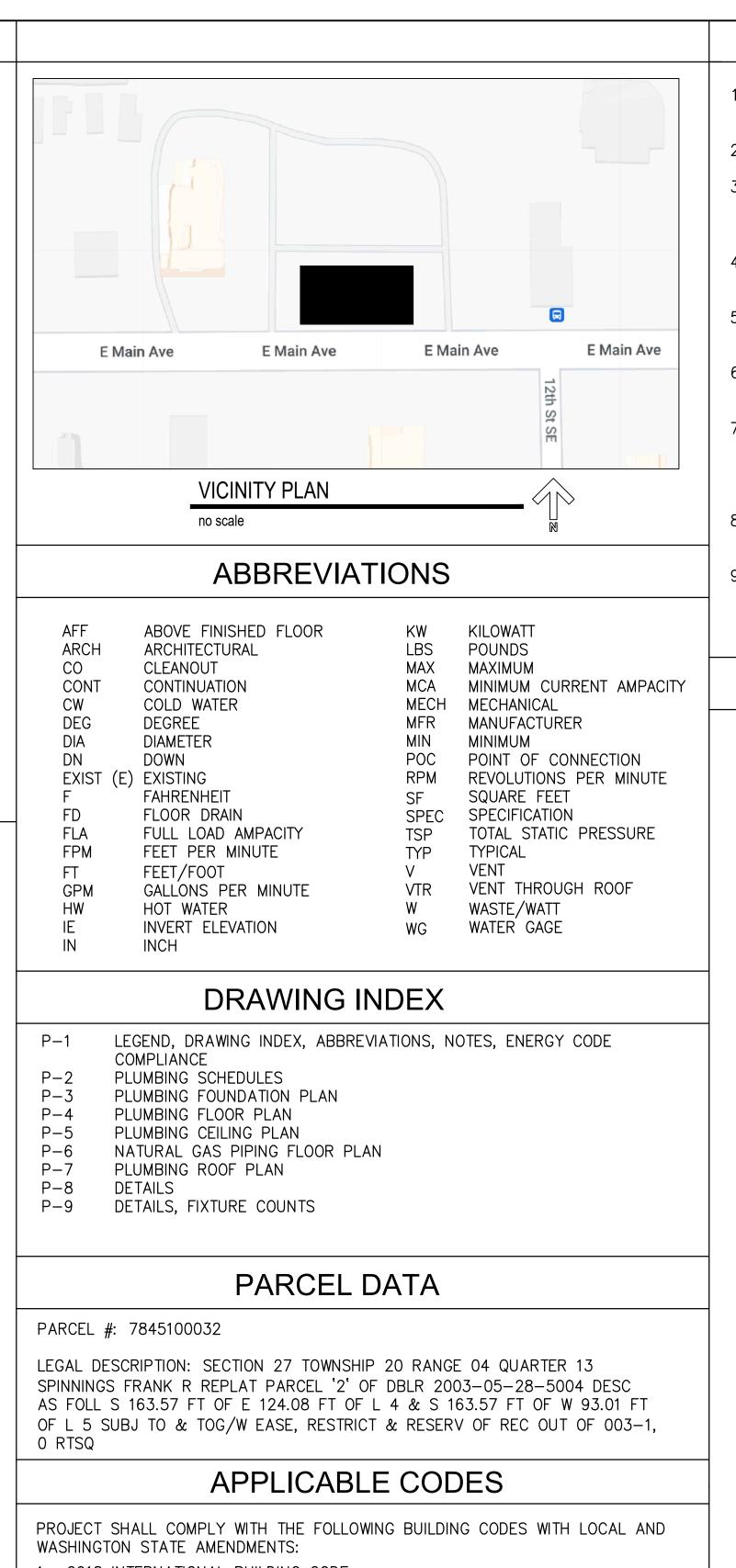
	Table C404.3.1 Piping Volume and Maximum Piping Length								
	Volume	Maximum Pip (fee							
Nominal Pipe Size (inches)	(liquid ounces per foot length)	Public lavatory faucets							
1/4	0.33	6							
5/16	0.5	4							
3/8	0.75	3							
1/2	1.5	2							
5/8	2	1							
3/4	3	0.5							
7/8	4	0.5							
1	5	0.5							
1 1/4	8	0.5							
1 1/2	11	0.5							
2 or larger	18	0.5							

Table C404.3.1

AND PIPING

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

iping Length Other fixtures and appliances 50 50 50 43 32 21 16 13 8 6 4



- 1. 2018 INTERNATIONAL BUILDING CODE
- 2. 2018 UNIFORM PLUMBING CODE
- 3. 2018 WASHINGTON STATE ENERGY CODE
- 4. 2018 INTERNATIONAL FUEL GAS CODE

GENERAL NOTES

- THE PLUMBING SYSTEM SHALL CONSIST OF ALL WORK SHOWN ON DRAWINGS, DIAGRAMS, AND AS DESCRIBED IN SPECIFICATIONS
- 2. INSTALL ALL PLUMBING WORK AS HIGH AS POSSIBLE, TIGHT TO STRUCTURE ABOVE.
- 3. 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.
- 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 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.
- 8. VERIFY EXISTING CONDITIONS BEFORE COMMENCING ANY WORK ON AN EXISTING PLUMBING SYSTEM.
- 9. 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
- 2. PLUMBING CONTRACTOR TO PROVIDE SHUT-OFF VALVES TO ALL PLUMBING EQUIPMENT AND FIXTURES. COORDINATE ACCESS PANELS WITH ARCHITECT AS REQUIRED.
- 3. FOR PIPING PENETRATIONS OF FLOORS AND WALLS, REFER TO DETAILS ON SHEET P-8.
- 4. PROVIDE TRAP PRIMERS TO ALL FLOOR DRAINS. COORDINATE ACCESS WITH GENERAL CONTRACTOR.
- 5. PROVIDE PIPE INSULATION PER WSEC. REFER TO SCHEDULE ON SHEET P-2.
- 6. SLOPE DOMESTIC WATER PIPING AND PROVIDE HOSE END DRAIN VALVES AS REQUIRED FOR SYSTEM DRAINAGE.
- 7. PROVIDE CLEANOUTS IN ACCORDANCE WITH UPC REQUIREMENTS. REFER TO DETAILS ON SHEET P-8.
- 8. FOR GAS CONNECTIONS REFER TO DETAIL ON SHEET P-8.
- 9. FOR PIPE HANGER DETAILS AND CONNECTIONS TO STRUCTURE, REFER TO DETAILS ON SHEET P-9.
- 10. 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.
- 11. 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.
- 12. 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.
- 13. 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.

2 \mathbf{m}



336 NW 50th Street Seattle, WA 98107 Phone: 206.235.6002 rainbowconsulting-me.com



COLO I	NEW CONSTRUCTION	ACO TIME	EAST MAIN STREET PUYALLUP, WA 98372
	NEW	₹	EAST PUY#

REVISIONS

DATE								
7.6.2	2023							
BCRA N	BCRA NO.							
1911	19110.00.00							
DRAWN	DRAWN BY:							
REVIEV	REVIEWED BY:							

SHEET TITLE CODE COMPLIANCE ABBREVIATIONS NOTES, LEGEND VICINITY MAP DRAWING INDEX SCHEDULES

BCRA 📾 COPYRIGHT 2019 - BCRA, INC. ALL RIGHTS RESERVE





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

PERMIT SET

PLUN	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]			
Р2	UNDERMNT ADA LAVATORY, 0.5 GPM SENSOR FAUCET	FORMICA LO80 TOTO T28S51	1/2	1/2	1-1/2	DIRECT	1-1/2	[1, 2, 3, 5, 6]			
Р3	ENCASED FREEZE PROOF HOSE BIBB	ZURN Z1300	3/4	-	-	-	-	[6]			

<u>REMARKS:</u>

ADA MOUNTING HEIGHT AND ADA APPROVED

2. 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.

3. FURNISH WITH CHROME SUPPLIES, LOOSE KEY STOPS, CAST BRASS TRAP. 4. 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. 5.

6. FIXTURE FITTINGS COVERED UNDER THE SCOPE OF NSF 61 SHALL COMPLY WITH THE REQUIREMENTS OF NSF 61.

			COLD	НОТ		SANITARY	DIRECT		
MARK	DESCRIPTION	MAKE/MODEL	WATER: IN	WATER: IN	WASTE: IN	OR GREASE	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]
268	HAND SINK	SEE ARCHITECTURAL PLANS	1/2	1/2	2	SANITARY	DIRECT	1–1/2	[1, 2, 4]
276	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: 1. 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 PIPE	PLUMBING PIPE INSULATION THICKNESS (WSEC TABLE C403.2.9)										
SERVICE	FLUID OPERATING TEMPERATURE RANGE DEG-F	$\begin{array}{c} \text{CONDUCTIVITY} \\ \underline{\text{BTU IN}} \\ \hline \text{h FT^2 F} \end{array}$	MEAN RATING TEMPERATURE DEG-F	NOMI < 1		R TUBE SIZE	(INCHES) 4 TO <8	INSULATION TYPE			
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.			

BACKFLOW PREVENTERS								
MARK	DESCRIPTION	AREA/ITEM SERVED	MAKE/MODEL	NOTES				
BFP-1	½" REDUCED PRESSURE BACKFLOW ASSEMBLY	ICE MAKER	WATTS 009-QT-SH 1/2 NSF 61 CERTIFIED	[1]				
BFP-2	½" REDUCED PRESSURE BACKFLOW ASSEMBLY	SODA DISPENSER	WATTS 009-QT-SH 1/2 NSF 61 CERTIFIED	[1]				
BFP-3	½" REDUCED PRESSURE BACKFLOW ASSEMBLY	DISHWASHER	WATTS 009-QT-SH 1/2 NSF 61 CERTIFIED	[1]				

NOTES: 1. FOR INSTALLATION, REFER TO DETAIL 10 ON SHEET P-8. 1. FOR INSTALLATION, REFER TO DETAIL 10 ON SHEET P-8. 2. ALL SCHEDULED BACKFLOW PREVENTERS ARE NSF 61 CERTIFIED.

FLOOR DR	AINS AND SAN	ITARY FLO	OR SINKS		
MARK		D1	D2	D3	
DESCRIPTION		FLOOR	SANITARY	SANITARY	
		DRAIN	FLOOR SINK	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]	

NUIES.

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

PLUMBING PIPING SCHEDULE						
SERVICE	PIPING MATERIAL / JOINING METHOD					
ABOVE GROUND DOMESTIC COLD WATER DOMESTIC HOT WATER	HARD COPPER TUBE, TYPE L; COPPE JOINTS; THREADED FITTINGS, OR UPONOR CROSSLINKED POLYETHYLEN EXPANSION					
ABOVE GROUND SANITARY DRAIN, WASTE AND VENT RAINWATER LEADERS	SCHEDULE 40 POLY VINYL CHLORIDE VENT PIPE AND FITTINGS; ASTM D 2 IN ACCORDANCE WITH SECTION 705.6 PRIMER AND ASTM D2564 FOR SOLV					
BELOW GROUND SANITARY DRAIN, WASTE AND VENT RAINWATER LEADERS	SCHEDULE 40 POLY VINYL CHLORIDE VENT PIPE AND FITTINGS; ASTM D 2 IN ACCORDANCE WITH SECTION 705.6 PRIMER AND ASTM D2564 FOR SOLV					
NATURAL GAS PIPING	SCHEDULE 40 BLACK STEEL PIPING / SEAMLESS / THREADED FITTINGS.					
NOTES:						

NUIES.

SYSTEMS INTENDED TO SUPPLY DRINKING WATER SHALL COMPLY WITH NSF 61.

1. PIPE, TUBE, FITTINGS, SOLVENT CEMENT, THREAD SEALANTS, SOLDERS, AND FLUX USED IN POTABLE WATER 2. VALVES CARRYING WATER USED IN POTABLE WATER SYSTEMS INTENDED TO SUPPLY DRINKING WATER SHALL COMPLY WITH THE REQUIREMENTS OF NSF 61.

ROOF DRAINS MARK DESCRIPTION RO DRA PIPE SIZE: IN SIZE SIZE: IN 16' TRAP PRIMER: IN ____ DUCC MATERIAL BODY STRAINER / GRATE CI DO BASIS OF DESIGN MANUFACTURER JR SI MODEL 101

REMARKS NOTES:

1. PROVIDE WITH SUMP RECEIVER AND UNDERDECK CLAMP RING

NOTES

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

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

3. REFER TO DETAIL 5 ON SHEET P-9.

PER / SOLDER-JOINT FITTINGS; SOLDERED INE (PEX-A) TUBING / PRESS CRIMP;

E (PVC) PLASTIC DRAIN, WASTE, AND 2665 / SOLVENT CEMENT JOINTS TO BE 5.6.2 OF THE UPC AND ASTM F656 FOR VENT CEMENTS.

E (PVC) PLASTIC DRAIN, WASTE, AND 2665 / SOLVENT CEMENT JOINTS TO BE 5.6.2 OF THE UPC AND ASTM F656 FOR LVENT CEMENTS. 1

AND FITTINGS, ASTM A120,

D1	RD2	
)OF	OVERFLOW	
AIN	ROOF DRAIN	
3	3	
5"ø	16"ø	
_	-	
:0 CI	DUCO CI	
OME	CI DOME	
SMITH	JR SMITH	
)10	1080	
1]	[1]	

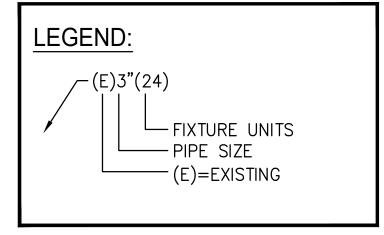


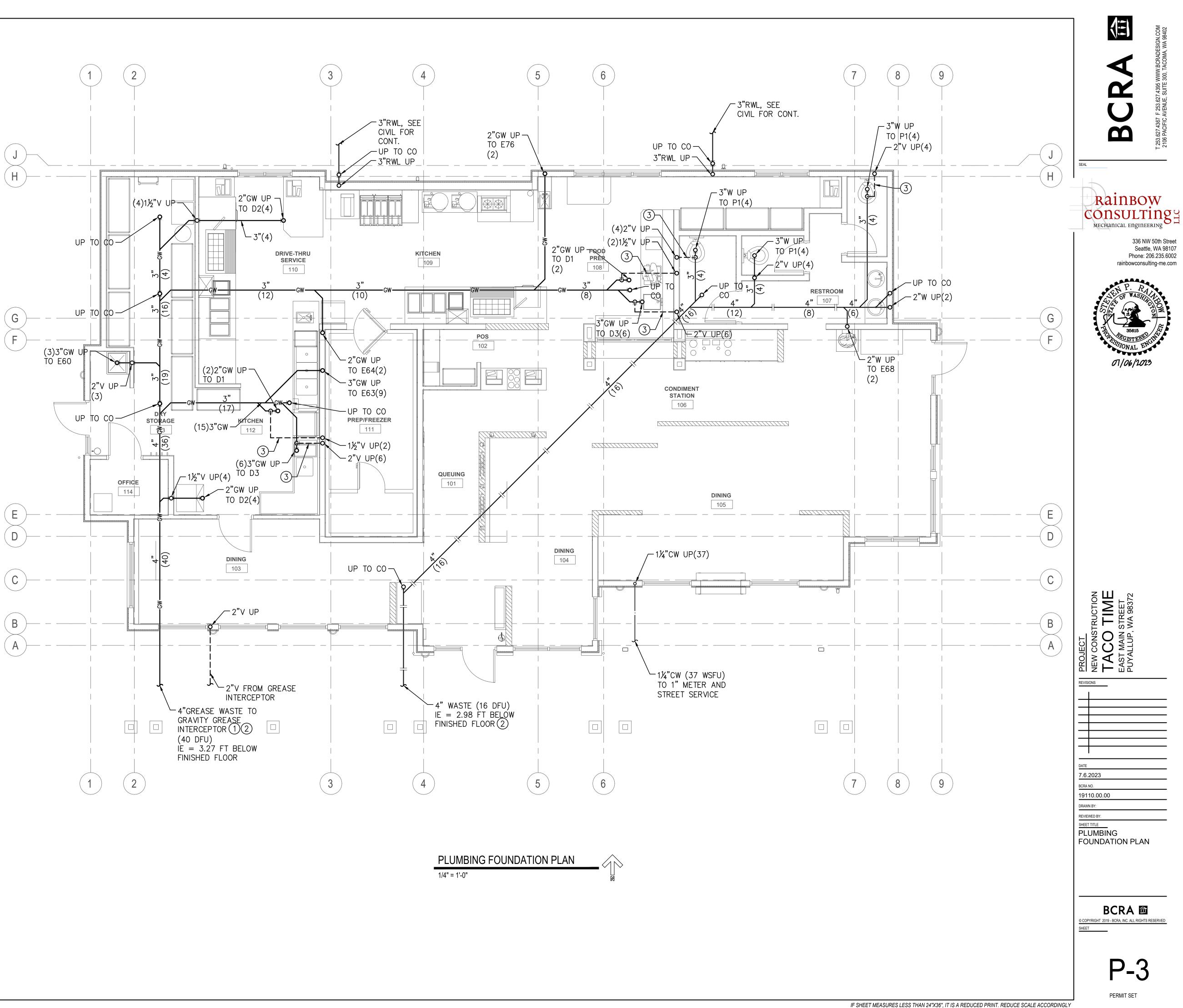


- 1. PROVIDE INDIRECT DRAINS AS SCHEDULED ON ARCHITECTURAL EQUIPMENT PLANS AND AS REQUIRED BY THE UPC. FOR CLARITY OF PLANS, INDIRECT DRAINS ARE NOT SHOWN ON PLUMBING PLANS.
- 2. PROVIDE ALL PLUMBING CONNECTIONS TO FIXTURES AND EQUIPMENT AS SCHEDULED BY THE ARCHITECTURAL EQUIPMENT PLANS.
- 3. SLOPE ALL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

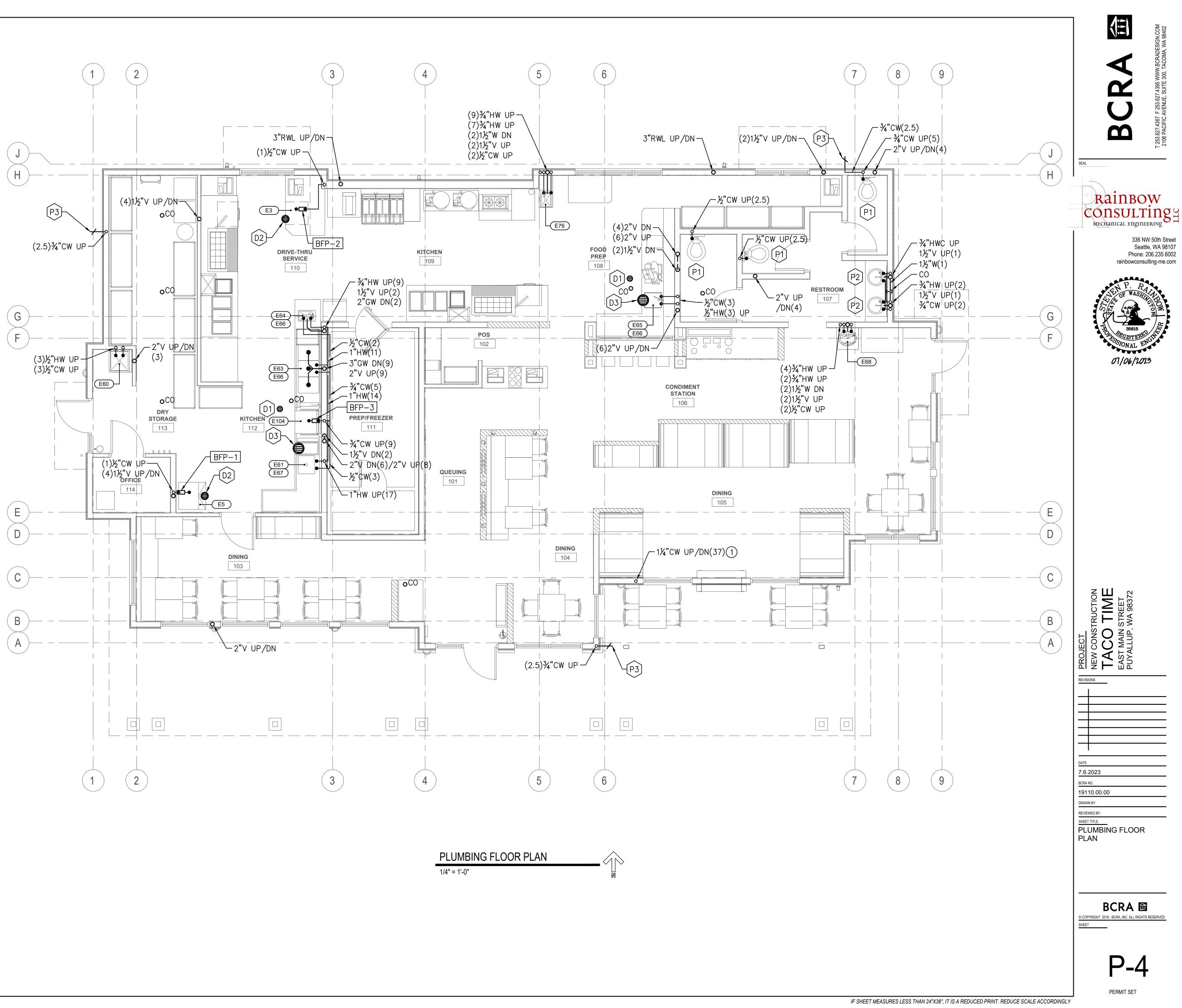


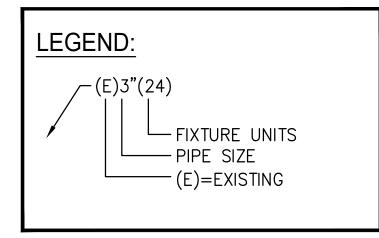


- 1. PROVIDE INDIRECT DRAINS AS SCHEDULED ON ARCHITECTURAL EQUIPMENT PLANS AND AS REQUIRED BY THE UPC. FOR CLARITY OF PLANS, INDIRECT DRAINS ARE NOT SHOWN ON PLUMBING PLANS.
- 2. PROVIDE ALL PLUMBING CONNECTIONS TO FIXTURES AND EQUIPMENT AS SCHEDULED BY THE ARCHITECTURAL EQUIPMENT PLANS.

KEY NOTES:

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







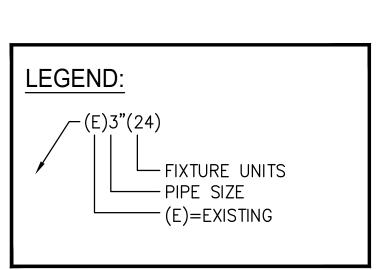
- 1. PROVIDE INDIRECT DRAINS AS SCHEDULED ON ARCHITECTURAL EQUIPMENT PLANS AND AS REQUIRED BY THE UPC. FOR CLARITY OF PLANS, INDIRECT DRAINS ARE NOT SHOWN ON PLUMBING PLANS.
- 2. PROVIDE ALL PLUMBING CONNECTIONS TO FIXTURES AND EQUIPMENT AS SCHEDULED BY THE ARCHITECTURAL EQUIPMENT PLANS.

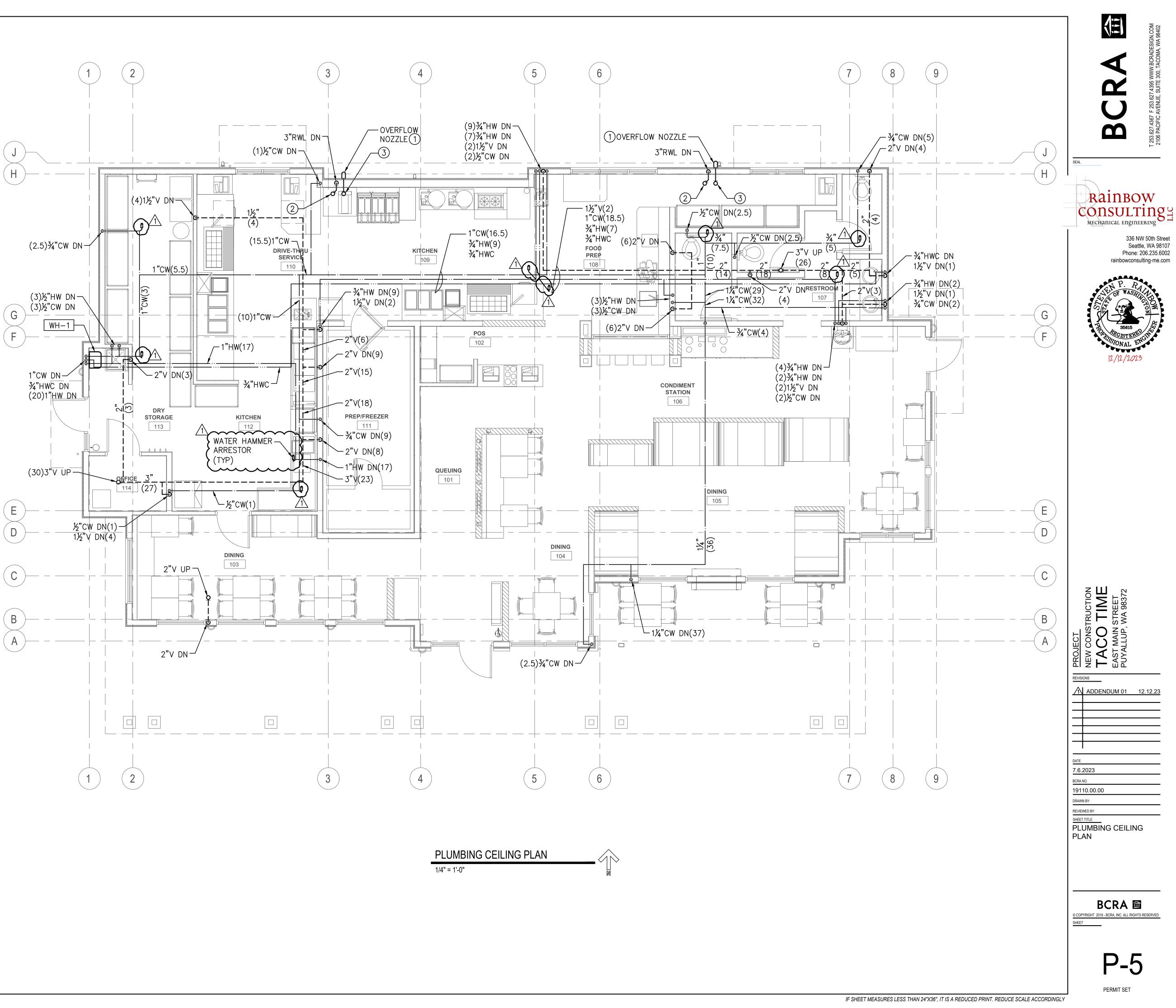
KEY NOTES:

1 OVERFLOW NOZZLE: JR SMITH #1770 OR APPROVED EQUAL.

2 3"RWL UP TO RD1.

(3) 3"RWL UP TO RD2.





- 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.

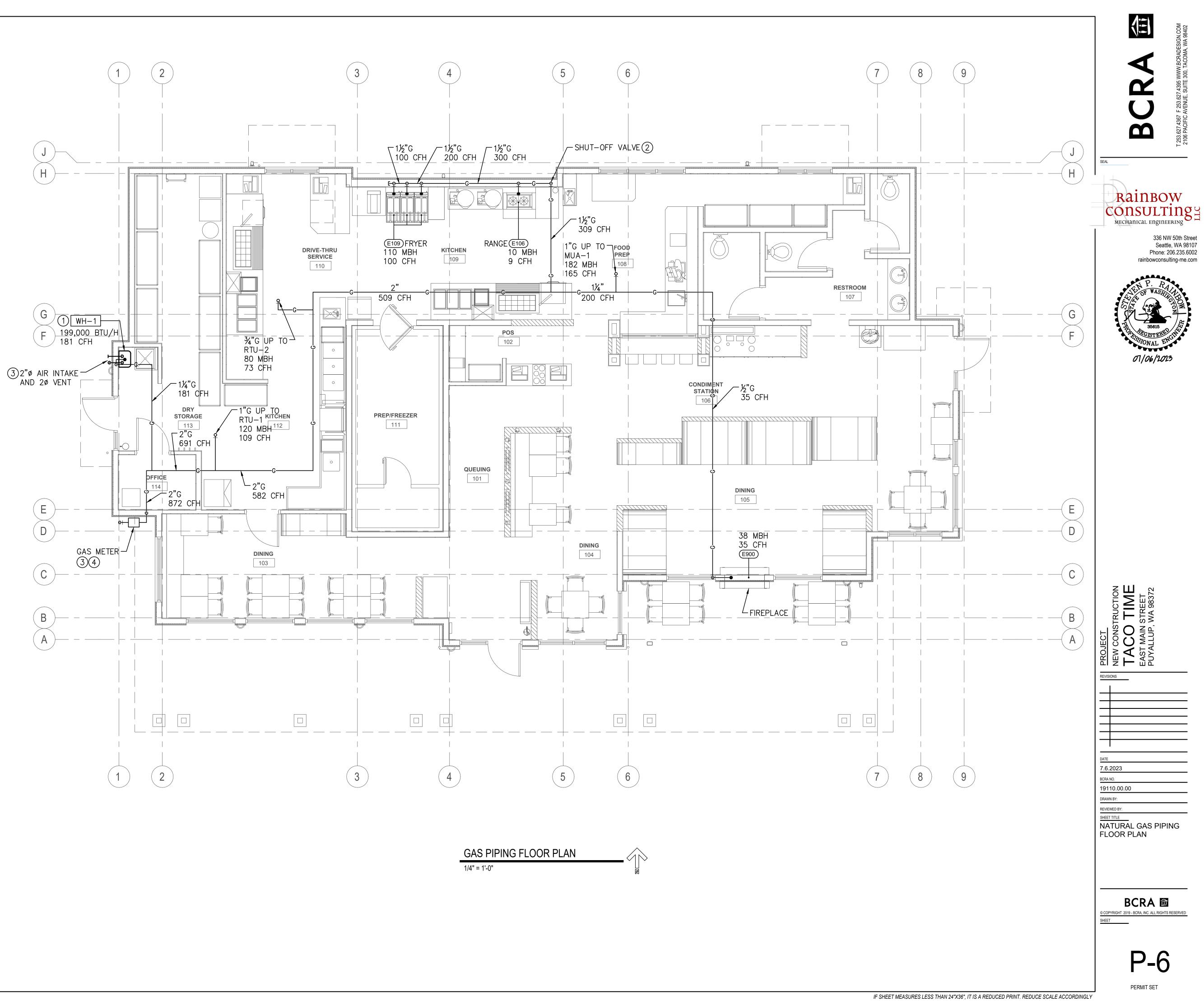
KEY NOTES:

- 1 INSTALL WATER HEATER VENT AND AIR INTAKE IN ACCORDANCE WITH WATER HEATER MANUFACTURER'S INSTALLATION MANUAL.
- 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:

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



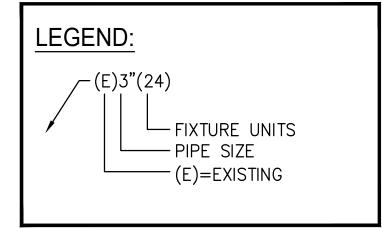


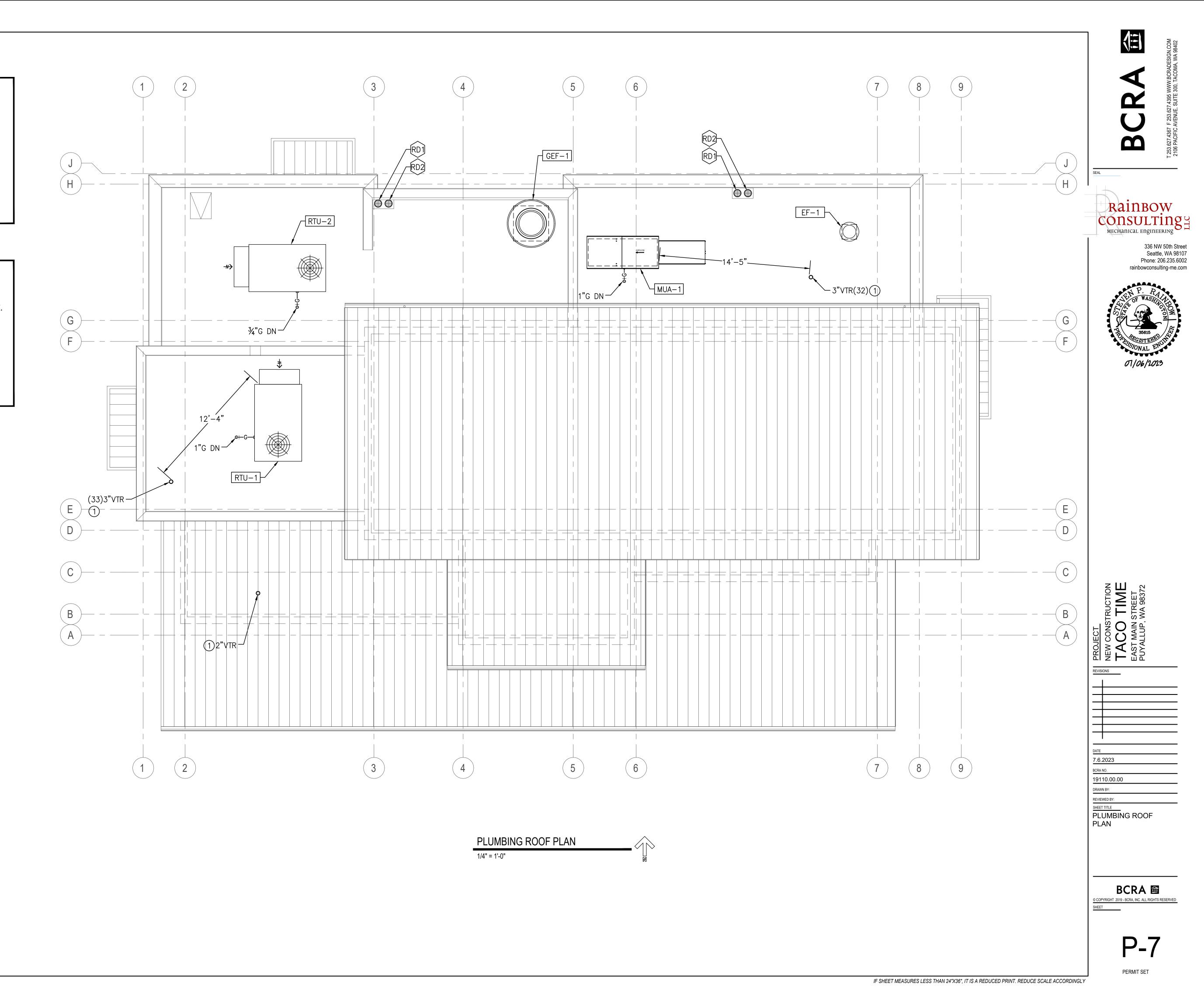
KEY NOTES:

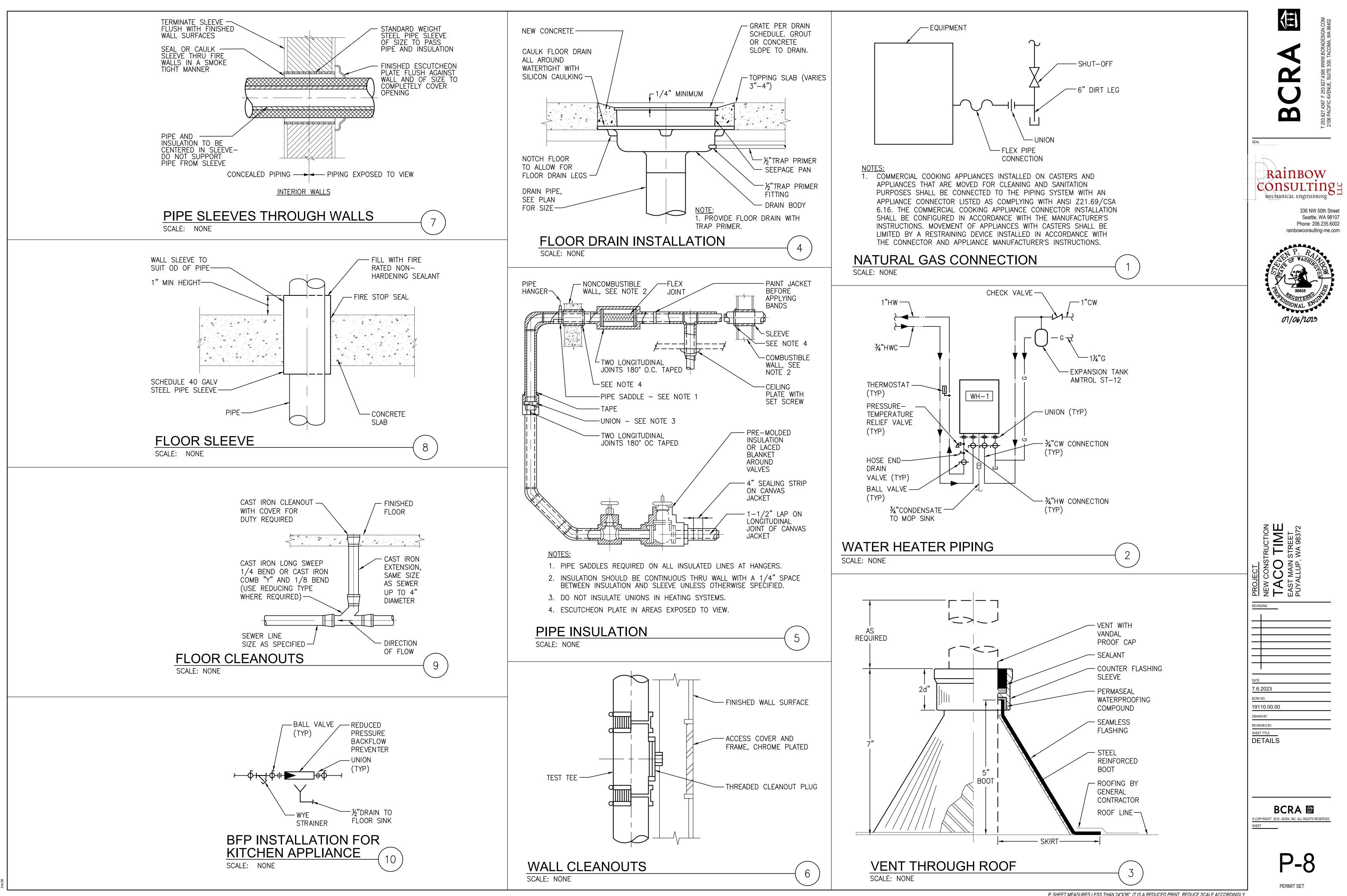
1. REFER TO DETAIL 1 ON SHEET P-8 FOR GAS PIPING CONNECTIONS TO EQUIPMENT.

KEY NOTES:

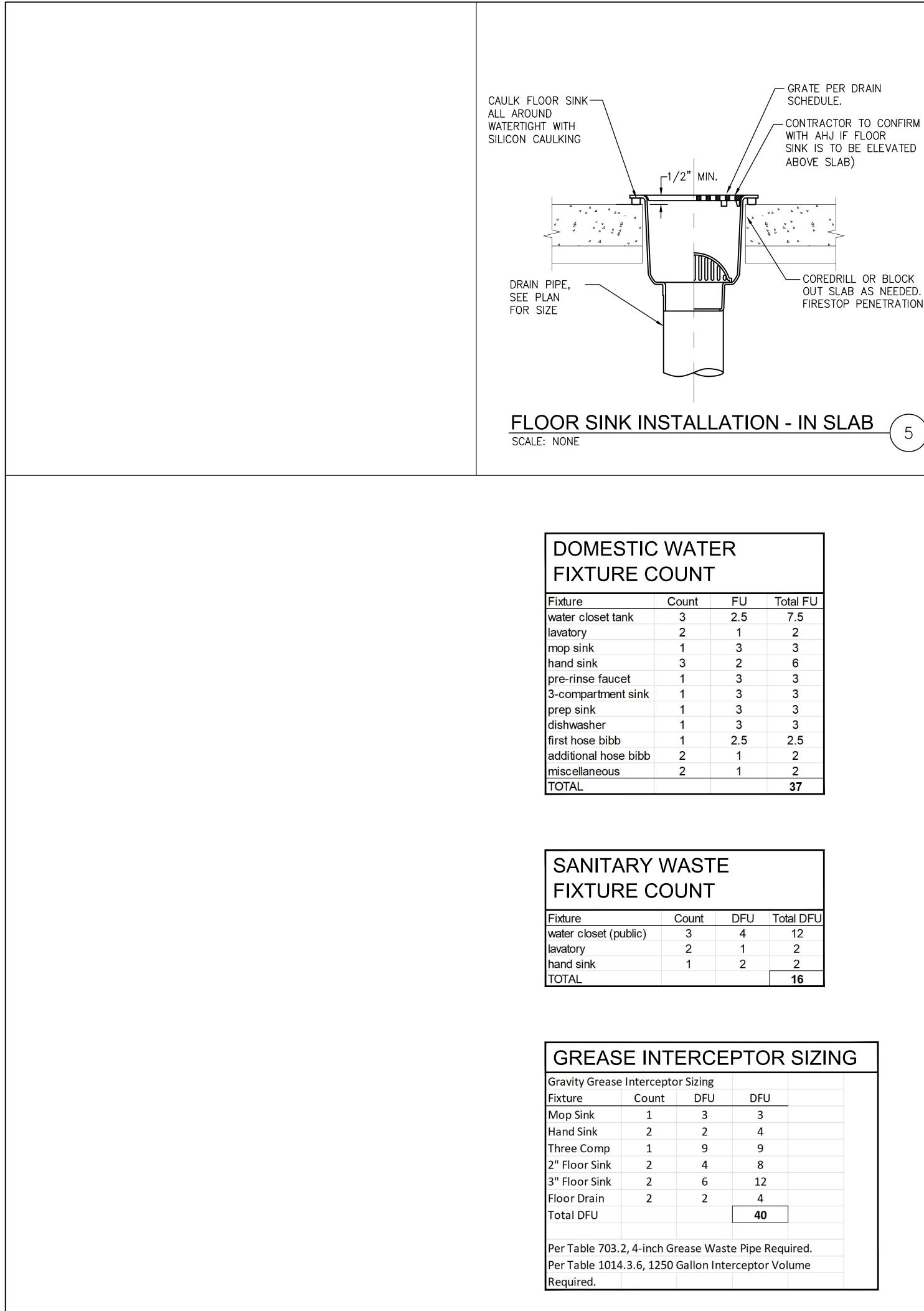
1 FOR PLUMBING VENT TERMINATION, REFER TO DETAIL 3 ON SHEET P-8. LOCATE AT LEAST 10-FT AWAY FROM ANY MECHANICAL AIR INTAKE.



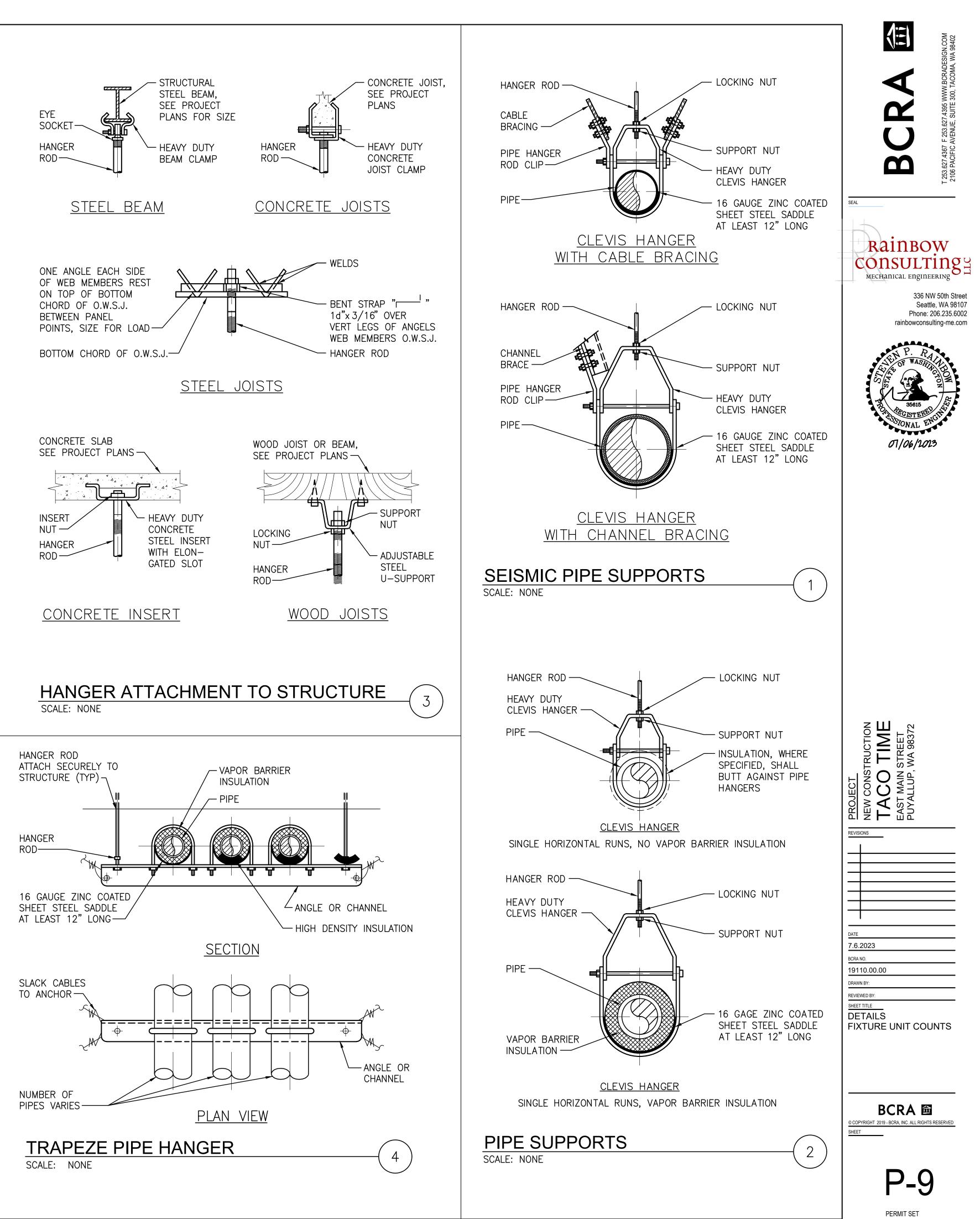




IF SHEET MEASURES LESS THAN 24"X36", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY



EIN			
Gravity Grease Interce			
Count			
1			
2			
1			
2			
2			
2			
Per Table 703.2, 4-inch			
.3.6, 125			



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