

see next page for footing details and sizes



FOUNDATION NOTES

1. Design Information and Loads

- A. Foundation design in accordance with 2022 Oregon Structural Specialty Code using the reactions provided by the metal building manufacturer for the following design criteria.
- B. Ground Snow Load 5 psf
- Roof Snow Load 20 psf
- C. Roof Collateral Load 5 psf
- D. Wind Speed 120 mph
- Exposure C
- E. S_{ps} 1.353
- F. S_{DC} D
- G. Frost Depth 1'-0"

2. Earthwork

- A. The foundation has been designed and the site soils should be prepared for the foundation, in accordance with the recommendations in the geotechnical investigation report by Robin L. Warren, G.E. R.G. of Applied Geotechnical Engineering 1314-B Center Drive # 452 Medford, Oregon Phone: (541) 226-6658 Project #4123-16
- B. Foundation Design Values
 - i. Allowable Soil Bearing Pressure - 2000 psf
 - ii. Coefficient of Friction - 0.40
 - iii. Passive Earth Pressure - 300 psf/ft of depth
- C. The site soils shall be prepared for the foundation in accordance with the geotechnical report referenced above. The contractor shall verify that soil under footings is suitable to support footings.
- D. It is the responsibility of the contractor to ensure that the depth of the bottom of the foundation is far enough below the adjacent grade to ensure adequate frost protection. **minimum 18" per geotech**

3. Concrete and Reinforcement

- A. Material Standards
 - i. Concrete
 - a. Footings: Exposure Classes F0, S0, W0, C0
 - $f'_c = 3000$ p.s.i., max. w/cm ratio = 0.55
 - b. Exterior Walls: Exposure Classes F1, S0, W0, C1
 - $f'_c = 3500$ p.s.i., max. w/cm ratio = 0.55
 - c. Interior Walls: Exposure Classes F0, S0, W0, C0
 - $f'_c = 3000$ p.s.i., max. w/cm ratio = N.A.
 - d. Interior Slabs: Exposure Classes F0, S0, W0, C0
 - $f'_c = 3500$ p.s.i., max. w/cm ratio = 0.55
 - e. Air content for Exposures F1-F3 must meet the requirements of Table 19.3.3.1 of ACI 318-14. Air-entraining admixtures shall conform to ASTM C260
 - f. Use Type II cement for Exposure Class S0. For Exposure Classes S1, S2 and S3 use Type II or Type V as required in Table 19.3.2.1 of ACI 318-14. Cement shall conform to ASTM C150
 - g. Calcium Chloride admixture shall not be used in Exposures S2 and S3
 - h. Normal weight aggregates - ASTM C33
 - ii. Reinforcing
 - a. Rebar - ASTM A615 Grade 60 ($F_y = 60$ ksi)
 - b. Welded wire - ASTM A1064
 - c. Epoxy/Adhesive - Simpson SET-XP (ICC-ES ESR-2508), Hilti RE-500V3 (ICC-ES ELC-3814), or Dewart Pure110+ (ICC-ES ESR-3298) unless noted otherwise in the drawings.
 - iii. Anchor Rods/Bolts
 - a. All anchor rods shall be cast-in-place headed anchor rods. Use of post-installed (epoxy, adhesive, expansion, screw, etc.) anchors is not allowed without written permission from MVE or unless specifically noted in the drawings.
 - b. Steel column anchor rods/bolts - ASTM F1554 Grade 55 with ASTM A563 heavy hex nuts and hardened washers (unless noted otherwise)
 - c. Wood framing anchors - ASTM A307 with A36 plate washers
 - d. Headed stud anchors (HSA) - ASTM A108
 - e. Deformed bar anchors (DBA) - ASTM A496
 - f. Screw Anchors for jamps as indicated in the typical anchor rod schedule - Simpson Titen HD (ICC-ES ESR-2713), Hilti Kwik HUS-TZ (ICC-ES ESR-3027), or Dewart Screwbolt+ (ICC-ES ESR-2526)
 - g. Use of hooked anchor rods/bolts is limited under the ACI and the OSSC. Headed anchor rods/bolts must be used where indicated in the details.
 - h. The symbols \odot A.R./ \odot A.B. as shown in the drawings indicate the center line of the anchor rod/bolt pattern, not the center line of any individual anchor rod/bolt.
- B. Detail reinforcing to comply with ACI 315 "Manual of Standard Practice for Detailing Reinforcing Concrete Structures" and the Concrete Reinforcing Steel Institute (CRSI) recommendations.
 - i. Minimum clear concrete cover for reinforcement shall be as follows unless noted otherwise:
 - a. Concrete cast directly against and permanently exposed to earth - 3"
 - b. Concrete exposed to weather or earth:
 - 1. #5 bars or smaller - $1\frac{1}{2}$ "
 - 2. #6 bars or larger - 2"
 - c. Concrete not exposed to weather or in contact with the ground - $\frac{3}{4}$ "
 - d. Slabs on grade - as shown in details, $\frac{3}{4}$ " min. from top of slabs not exposed to weather
 - ii. Lap Splice Lengths with $1\frac{1}{2}$ " minimum clear cover
 - a. $f'_c = 2500-3500$ p.s.i.
 - 1. #6 and smaller - 49 bar diameters
 - 2. #7 and larger - 76 bar diameters
 - b. $f'_c = 4000$ p.s.i. or greater
 - 1. #6 and smaller - 38 bar diameters
 - 2. #7 and larger - 60 bar diameters
 - c. Increase lap splice lengths by 50% where epoxy coated bars are used.
 - iii. Stagger splices in walls so that no two adjacent bars are spliced in the same location, unless shown otherwise.
 - iv. Make all bars continuous around corners or provide corner bars of equal size and spacing.
 - v. Where 12 inches or less of fresh concrete is placed below horizontal reinforcing lap splice length may be reduced by 30%.
 - vi. Vertical bars in walls, grade beams, and piers to terminate in footings with ACI standard hooks (12 bar diameters) to within 4" of the bottom of the footing unless noted otherwise.
 - vii. Horizontal wall reinforcing shall terminate at the ends of walls with a 90 degree hook plus a 6 bar diameter extension, unless shown otherwise.

- viii. Horizontal wall reinforcing shall be continuous through construction and control joints.
- ix. Splices in horizontal reinforcement shall be staggered. Splices in two curtains (where used) shall not occur in the same location.
- x. Use chairs or other support devices as required for proper clearance.
- xi. Rebar hairpins shall be centered in slabs and shall be wire tied to the slab reinforcing (if any). Rebar hairpins shall be continuous through walls and piers; lap splices in hairpins may only occur in the floor slab unless noted otherwise.

- C. Control joints in slabs on grade are recommended to control cracking. See plans for control joint spacing and details.
- D. Slabs and grade beams shall not have joints in a horizontal plane. All reinforcement shall be continuous through all construction joints.
- E. Floor slab thickness and reinforcing shown in these drawings are adequate to support typical uniform loads only. Mountain View Engineering has not designed the slab for any specific concentrated forces such as those from vehicles, storage racks, or heavy equipment (unless noted otherwise).

- F. Welding of rebar is not allowed unless specifically indicated in the drawings. All embedments, reinforcing, and dowels shall be securely tied to framework or to adjacent reinforcing prior to placement of the concrete. Tack welding of rebar joints in grade beams, walls, or cages is not allowed. Where welding of rebar is shown in the drawings, all rebar to be welded shall be ASTM A706 Grade 60.

4. Special Inspections

- A. Concrete
 - i. Spot Footings - Not required (OSSC 1705.3 Exception 1)
 - ii. Continuous Ftgs. - Not required (OSSC 1705.3 Exception 2.3)
 - iii. Slabs - Not required (OSSC 1705.3 Exception 3)
 - iv. Grade Beams - Not required (OSSC 1705.3 Exception 4)
 - v. Walls - Not required (OSSC 1705.3 Exception 4)
 - vi. Anchor rods/bolts - Required (OSSC Table 1705.3) Special inspection may be waived subject to the approval of the building official.

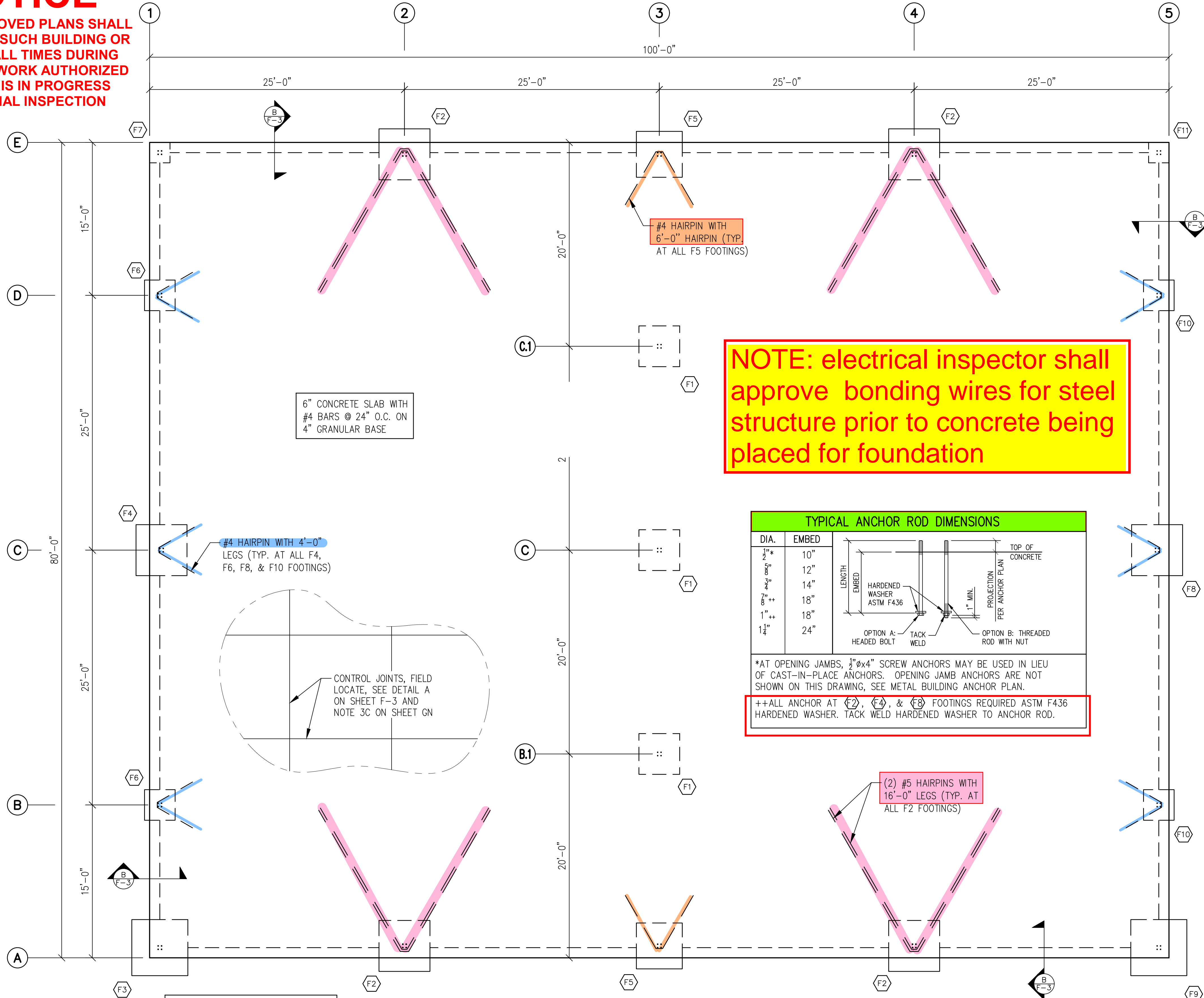
B. Steel Reinforcement

- i. Placement - Third party special inspection of reinforcing placement need only be performed where specifically required by the building official.
- ii. Welding - Special inspection of rebar welding is required (if any is used).

5. Miscellaneous

- A. The contractor shall notify engineer of any variations in dimensions.
- B. The engineer is not responsible for any deviations from these plans unless such changes are authorized in writing by the engineer.

NOTICE
 THESE APPROVED PLANS SHALL BE KEPT ON SUCH BUILDING OR WORK AT ALL TIMES DURING WHICH THE WORK AUTHORIZED THEREBY IS IN PROGRESS UNTIL FINAL INSPECTION



NOTE: electrical inspector shall approve bonding wires for steel structure prior to concrete being placed for foundation

TYPICAL ANCHOR ROD DIMENSIONS	
DIA.	EMBED
$\frac{3}{8}$ "*	10"
$\frac{5}{8}$ "	12"
$\frac{3}{4}$ "	14"
$\frac{7}{8}$ "**	18"
1"	18"
$1\frac{1}{4}$ "	24"

*AT OPENING JAMBS, $\frac{3}{8}$ "x4" SCREW ANCHORS MAY BE USED IN LIEU OF CAST-IN-PLACE ANCHORS. OPENING JAMB ANCHORS ARE NOT SHOWN ON THIS DRAWING, SEE METAL BUILDING ANCHOR PLAN.
 **++ ALL ANCHOR AT \odot F2, \odot F4, & \odot F8 FOOTINGS REQUIRED ASTM F436 HARDENED WASHER. TACK WELD HARDENED WASHER TO ANCHOR ROD.

NOTE: COORDINATE THIS DRAWING WITH THE PACIFIC BUILDING SYSTEMS ANCHOR BOLT PLAN.

FOUNDATION PLAN
 SCALE: 3/16"=1'-0"

\odot F1 INDICATES APPLICABLE FOOTING DETAIL.

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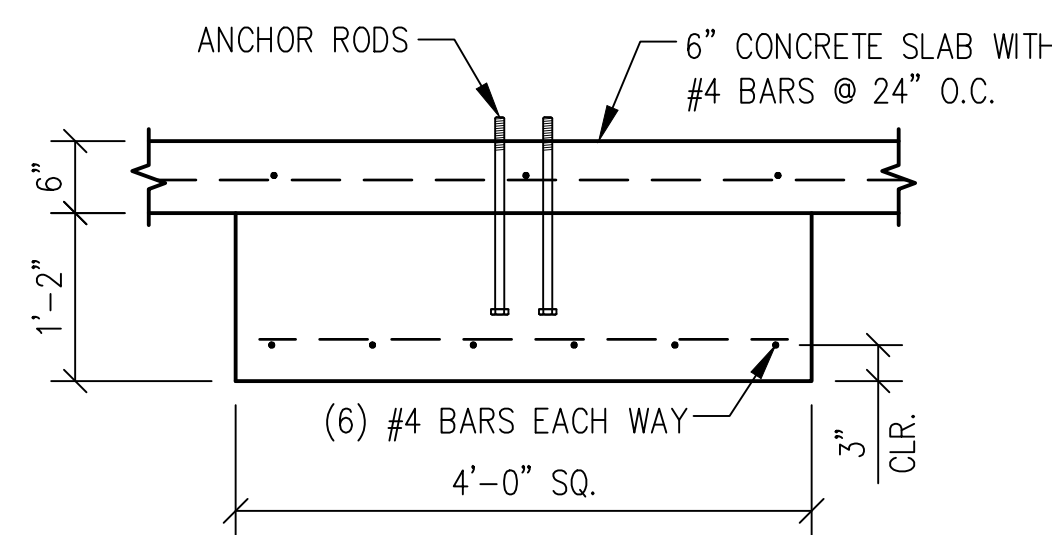
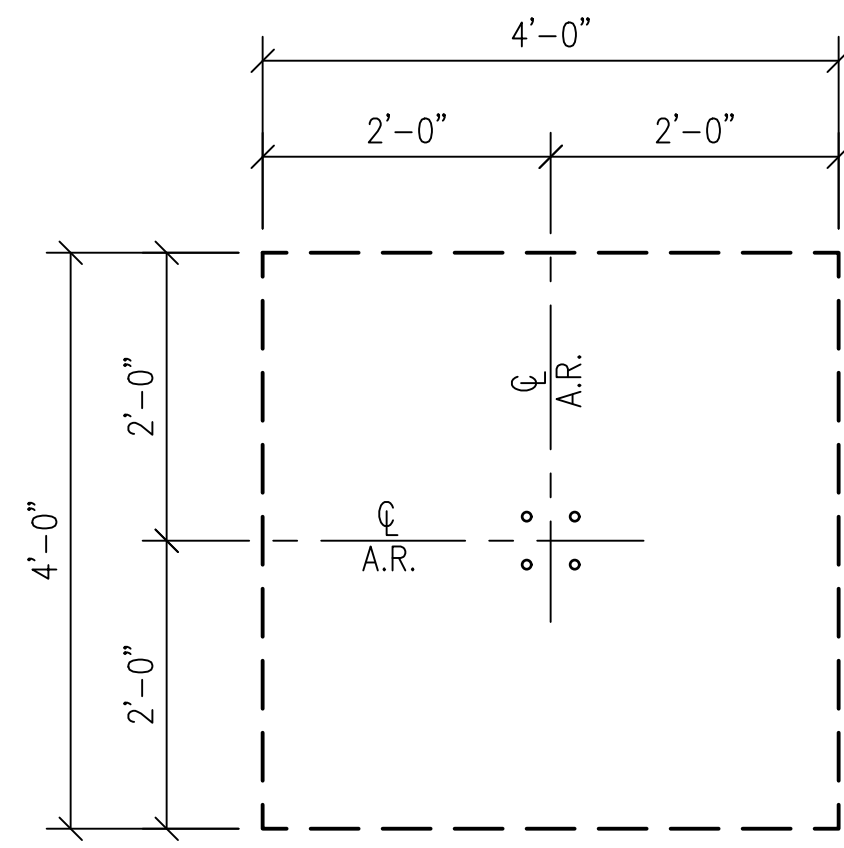
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 LOCATION: BANDON, OREGON
 CONTRACTOR: -

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DATE: 11-7-24	BY: C.J.D. REVISED FOR PERMIT

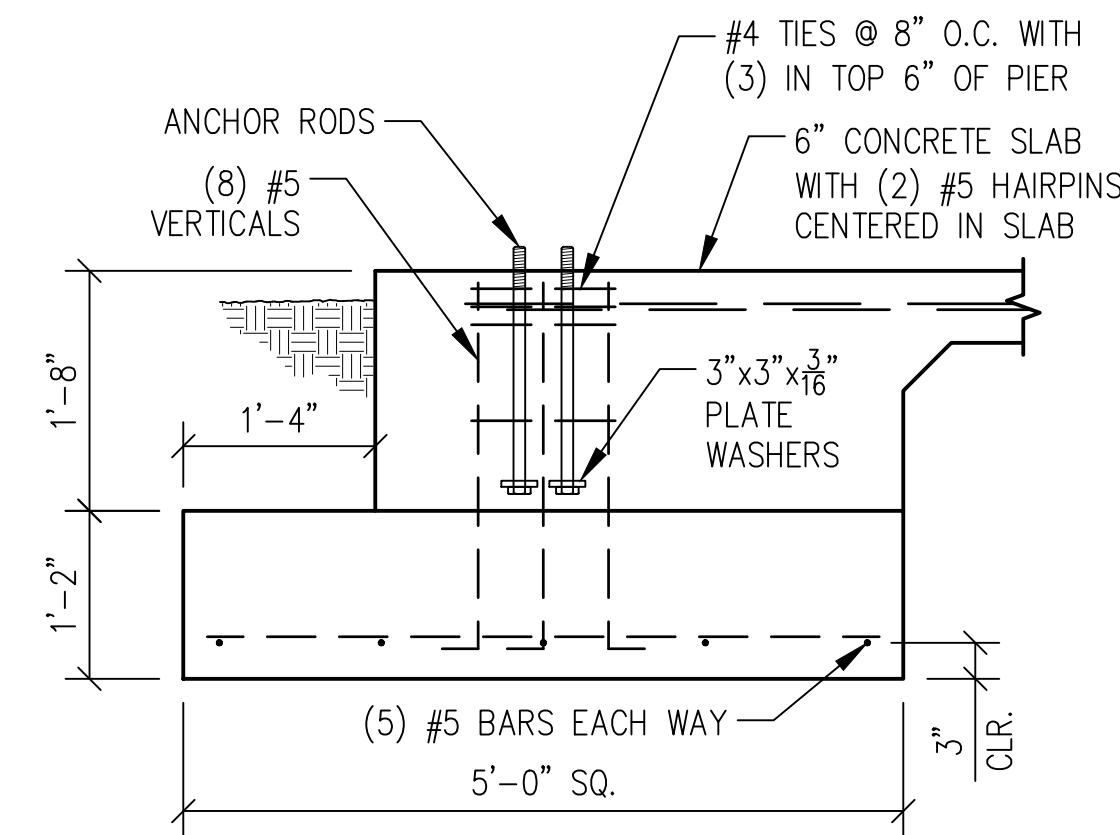
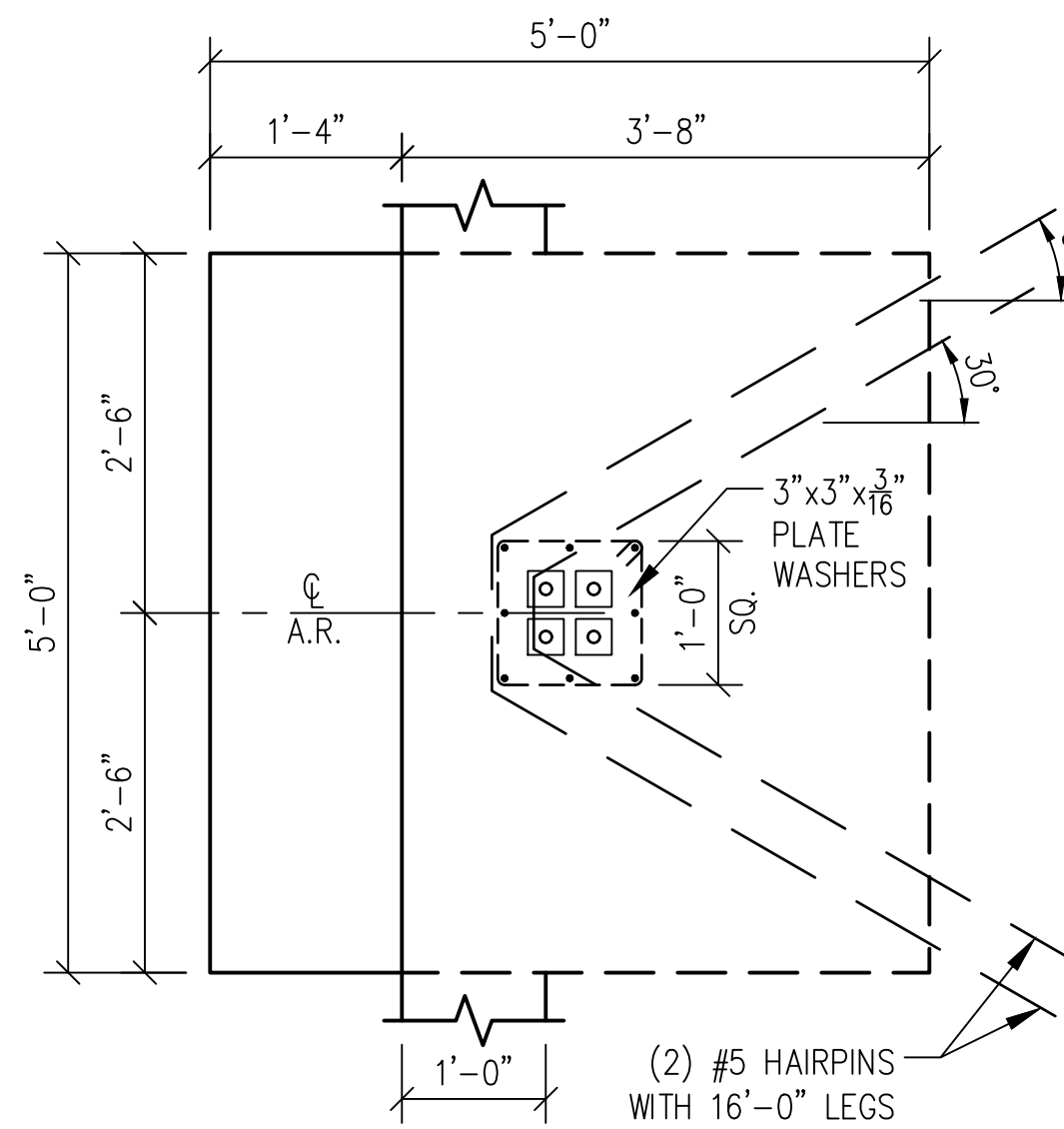
NOV 07 2024
 REGISTERED PROFESSIONAL ENGINEER
 BRAD WALLACE
 SEP 10 2019
 BRAD WALLACE
 EXPIRES: 06-30-2026

SHEET NUMBER:
F-1

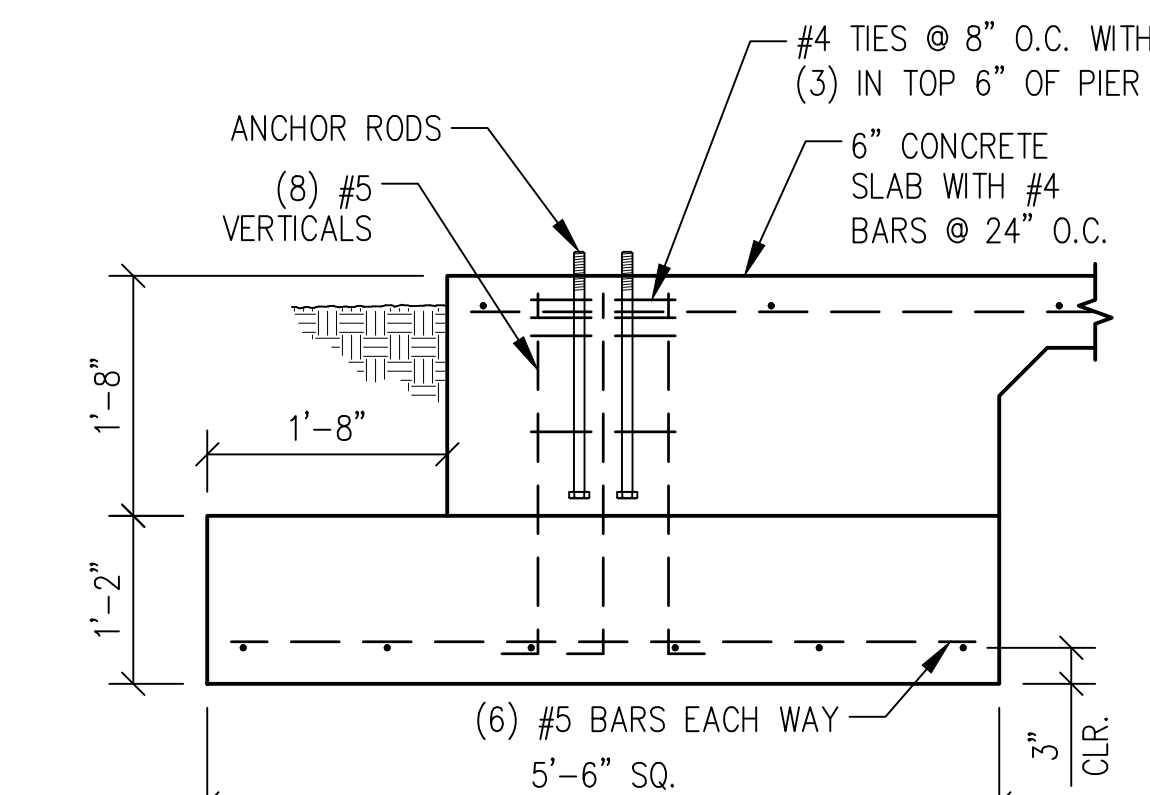
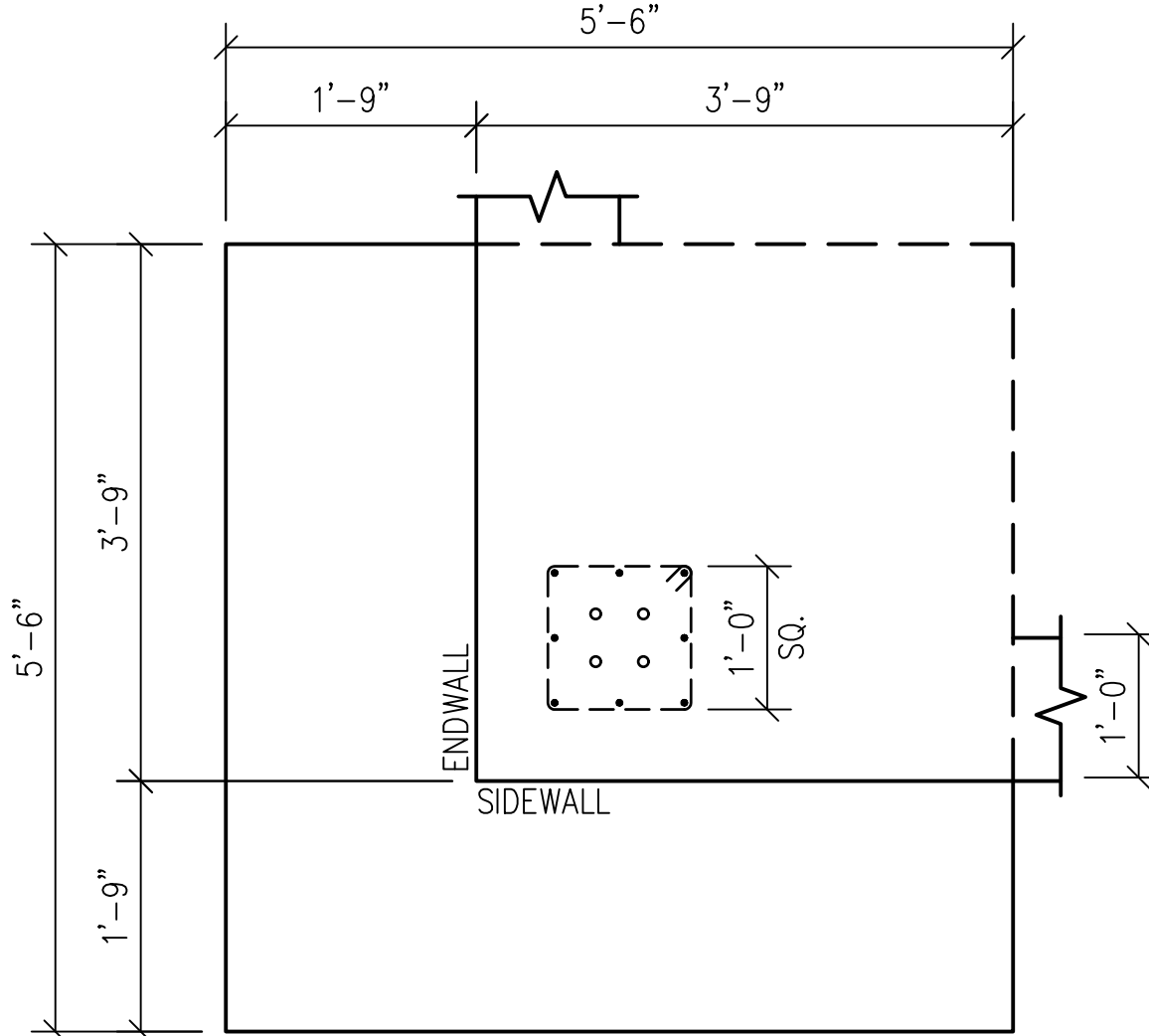
DRAWN BY: T.W.
 ENGINEER: J. DUNN
 MVE JOB NUMBER: 24-0948



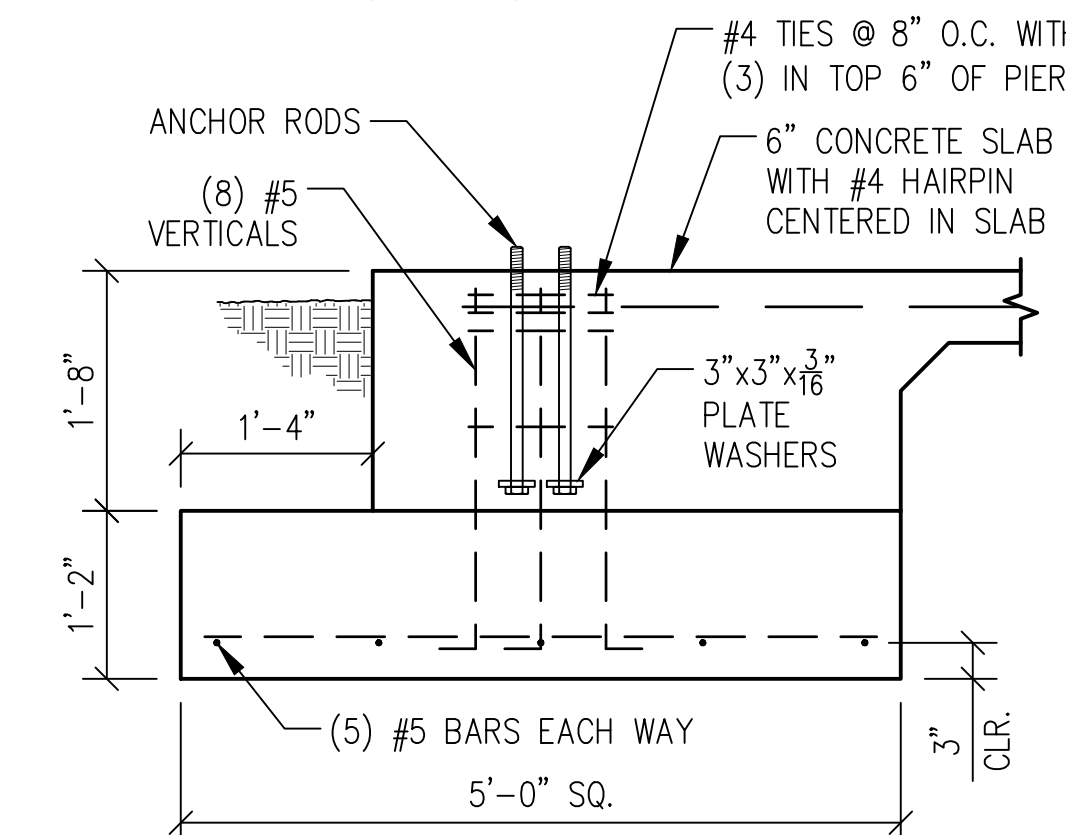
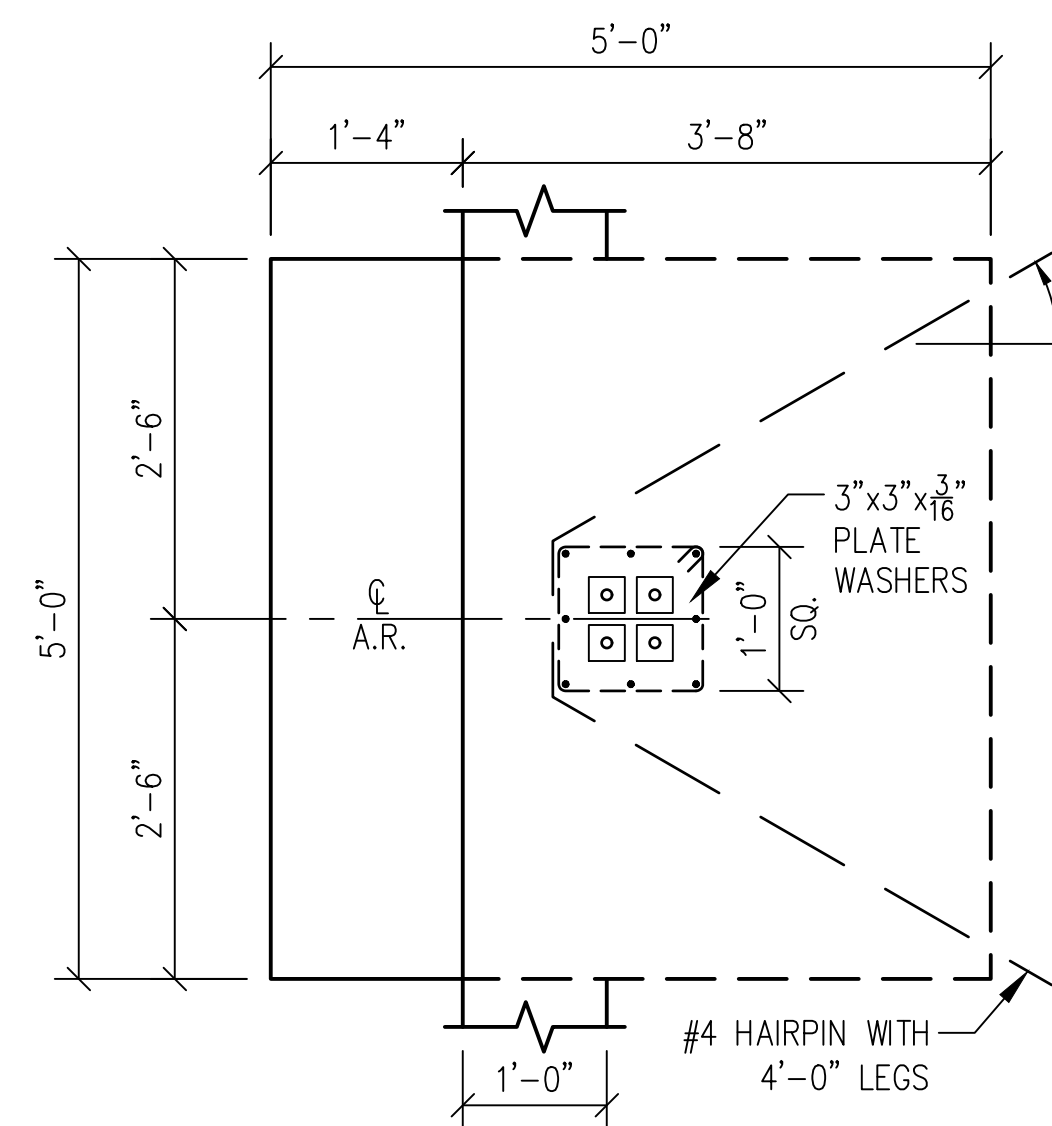
F1 INTERIOR FOOTING DETAIL
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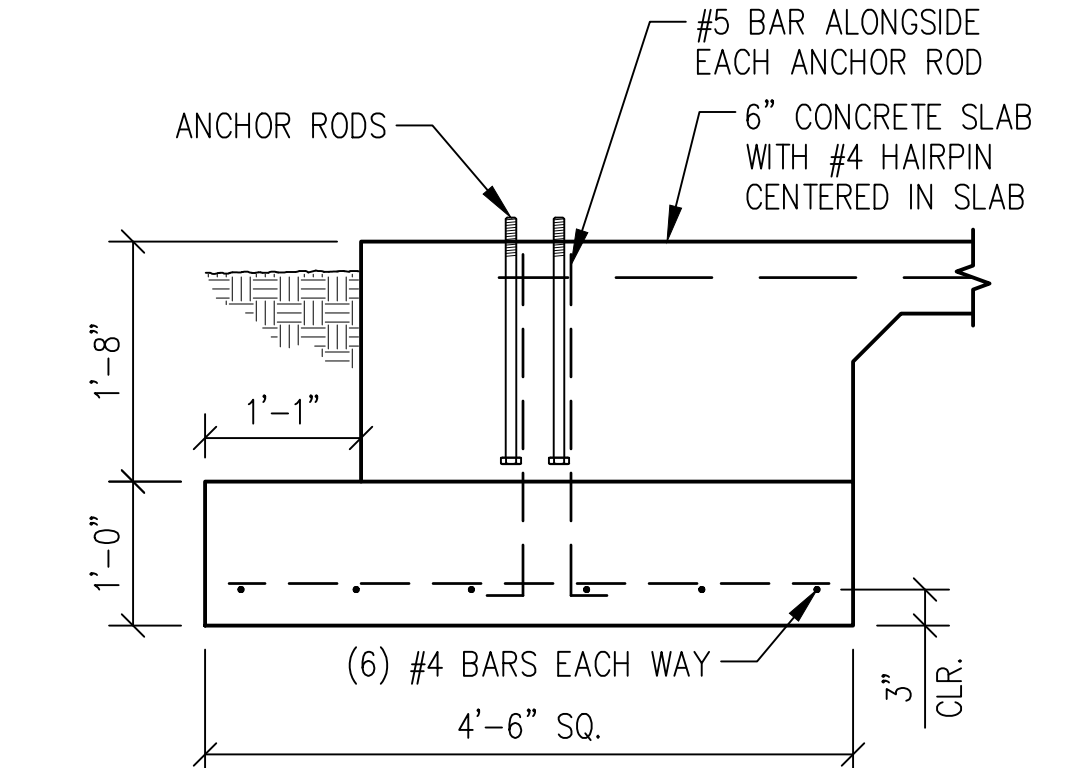
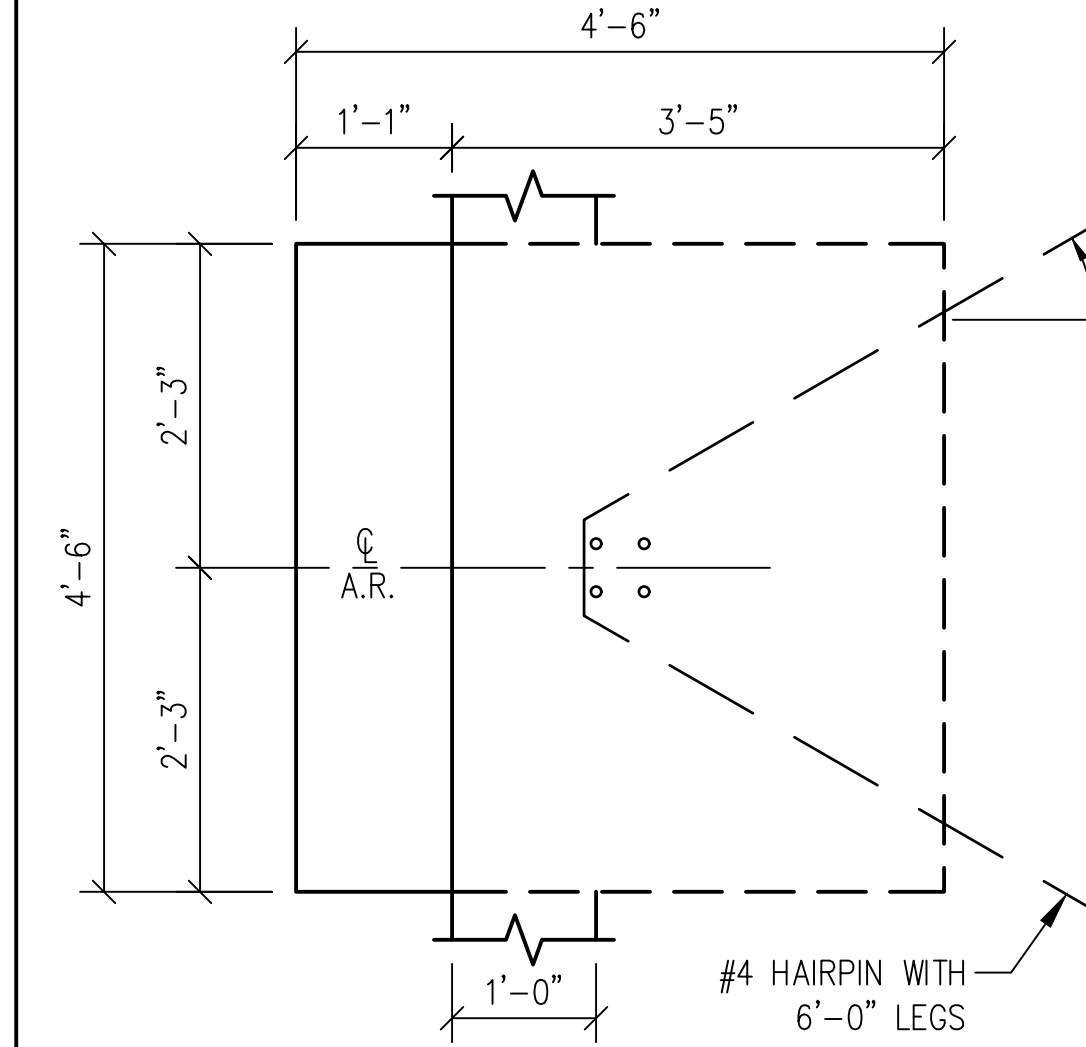
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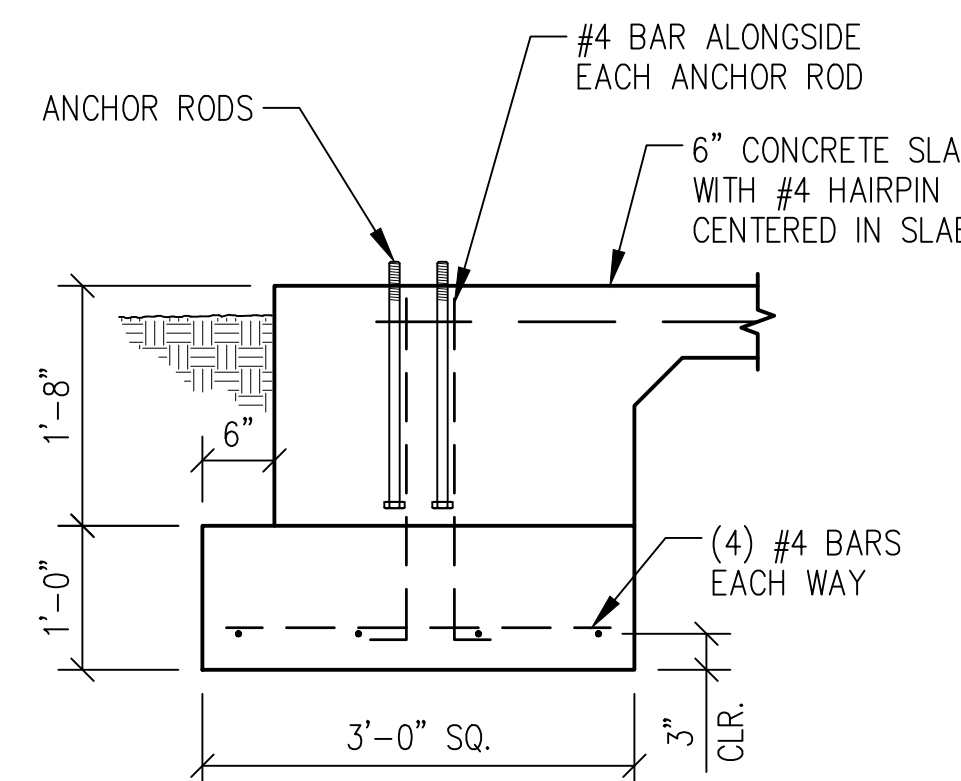
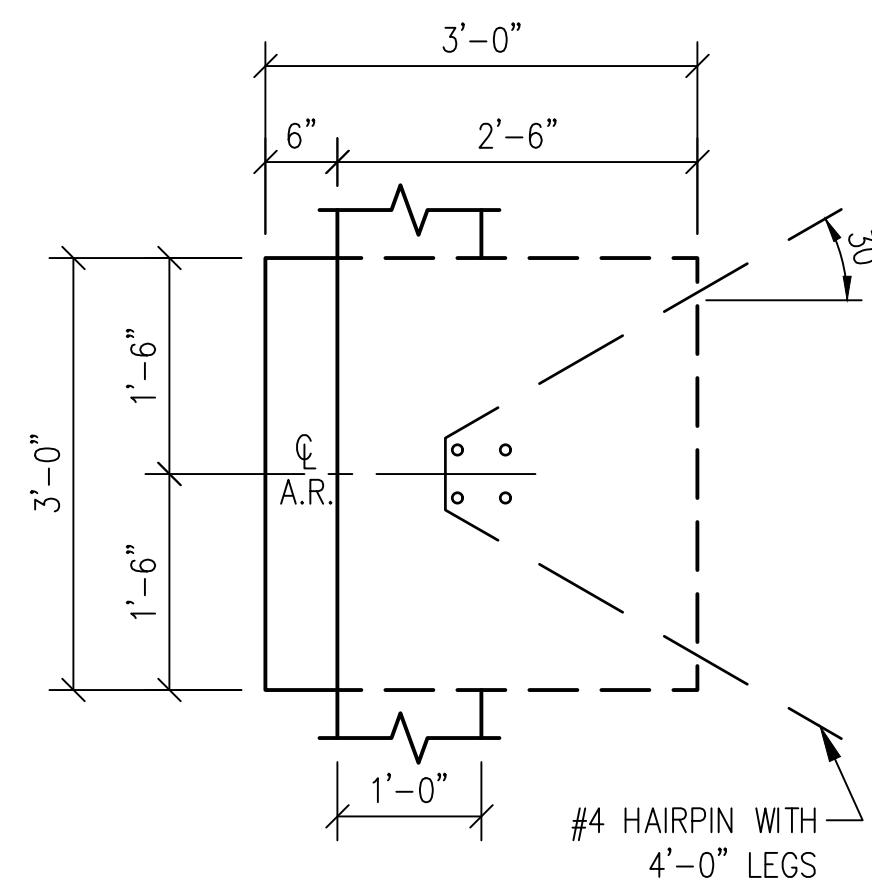
F3 CORNER FOOTING DETAIL
3/4"=1'-0"



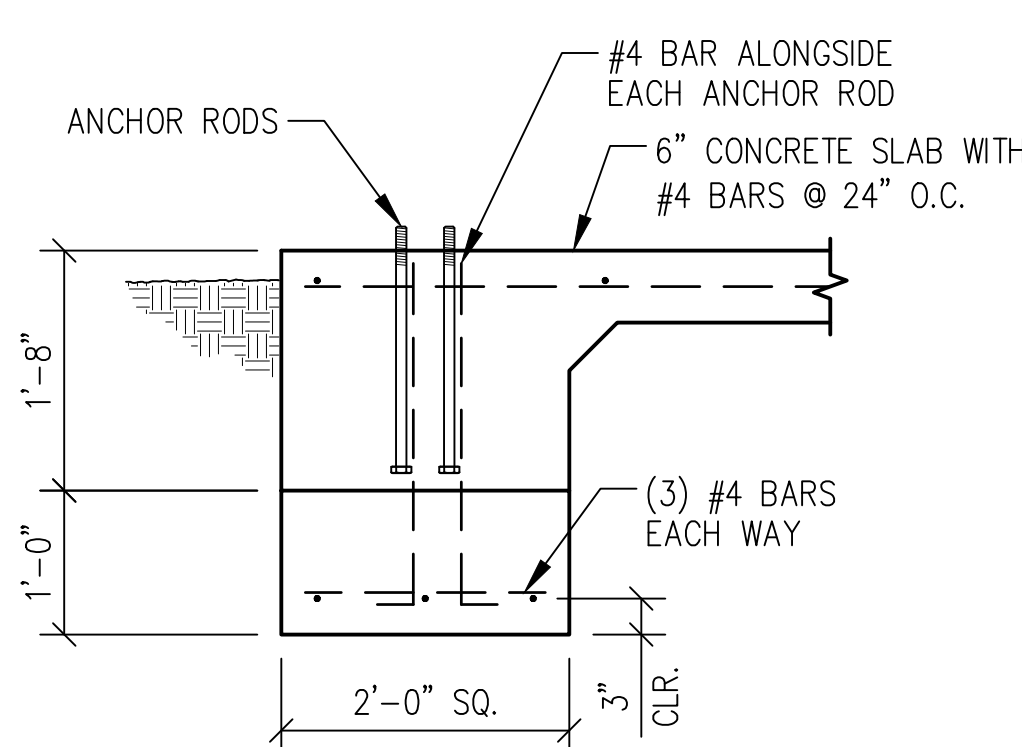
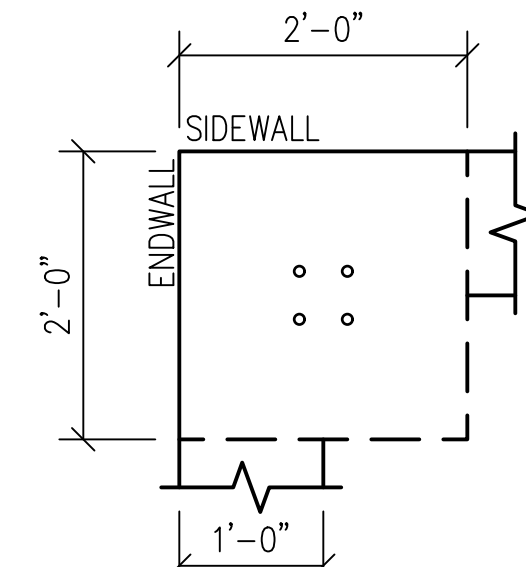
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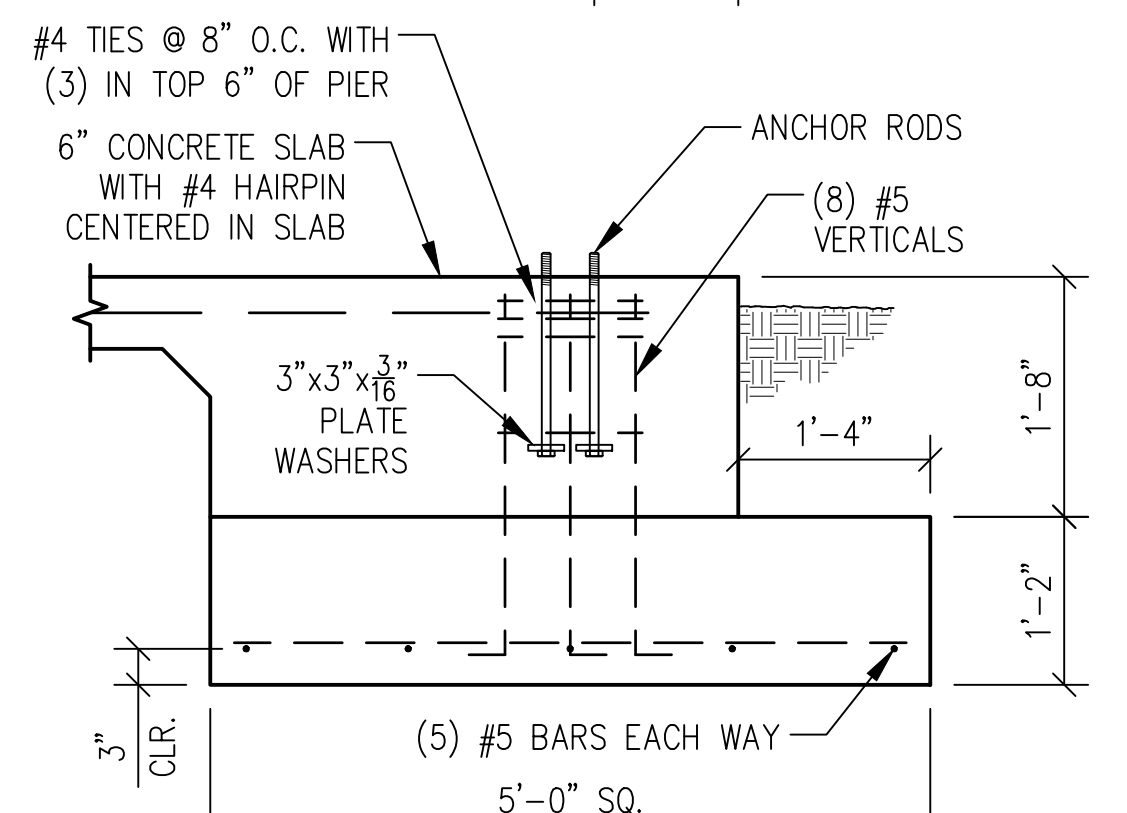
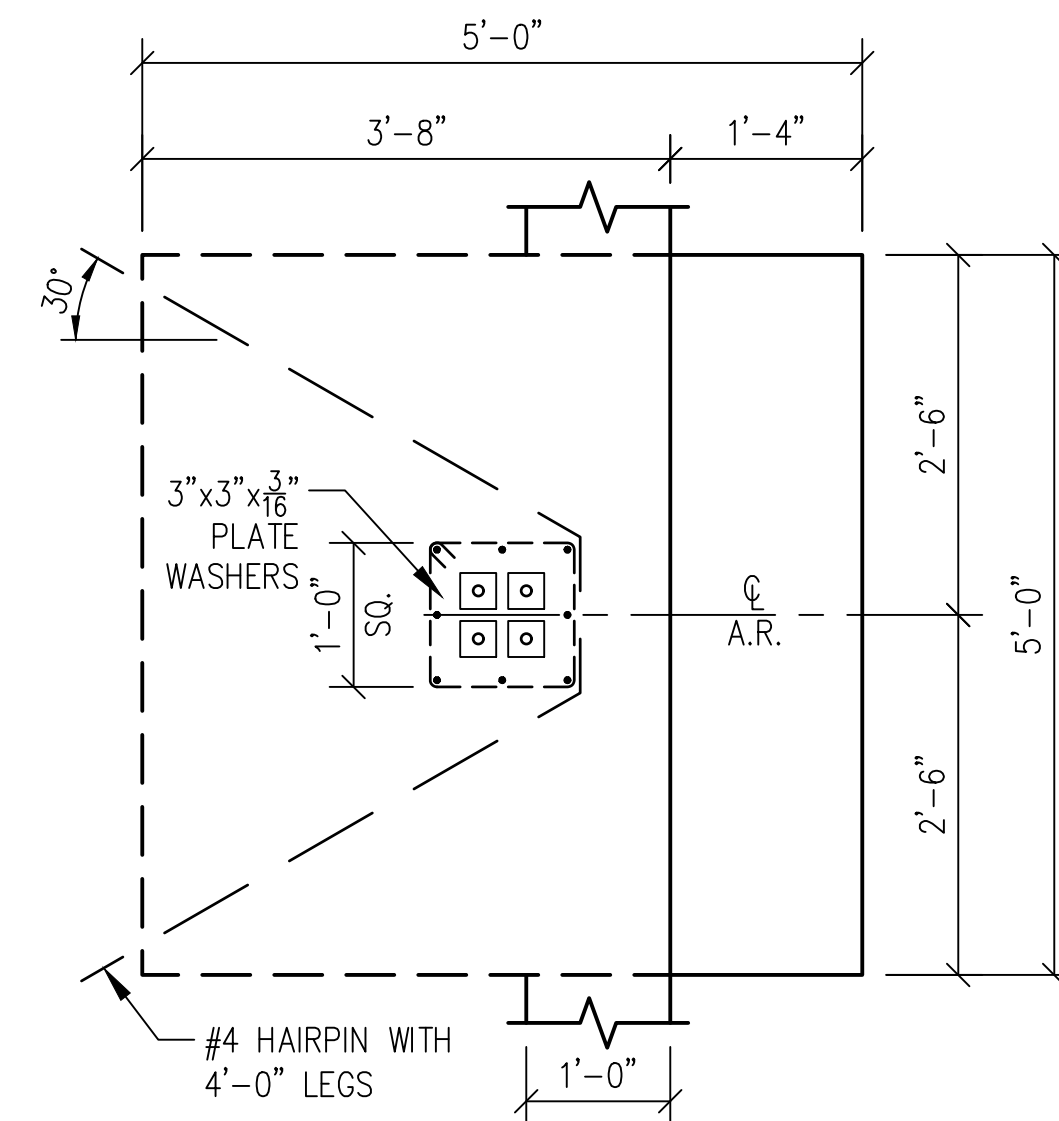
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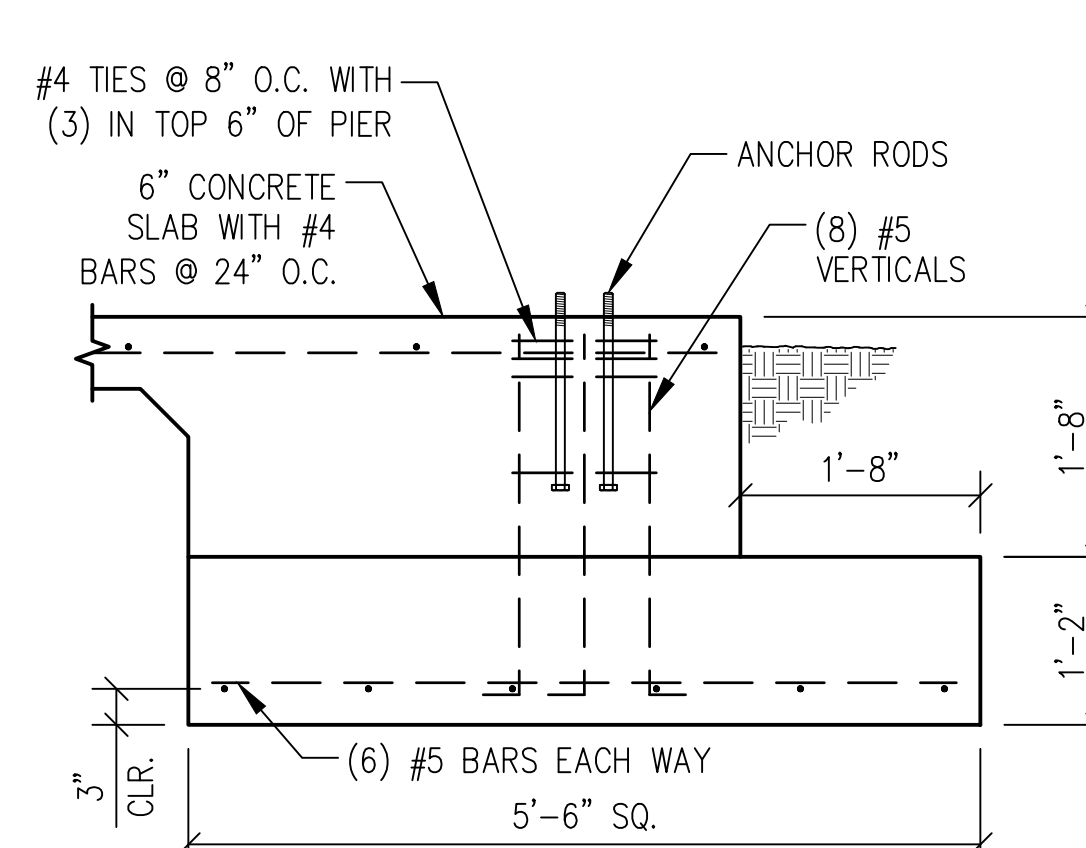
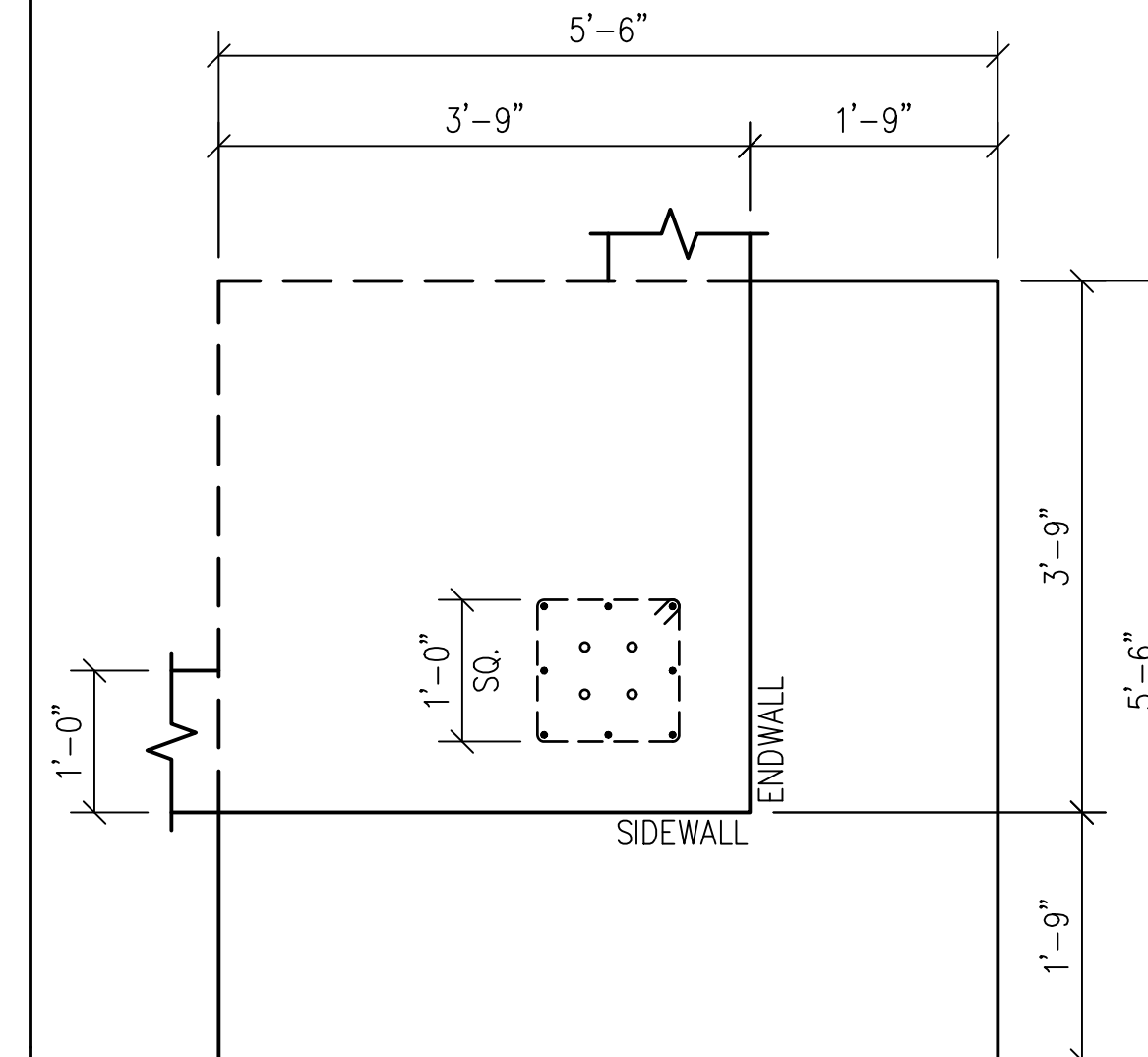
F6 ENDWALL FOOTING DETAIL
3/4"=1'-0"



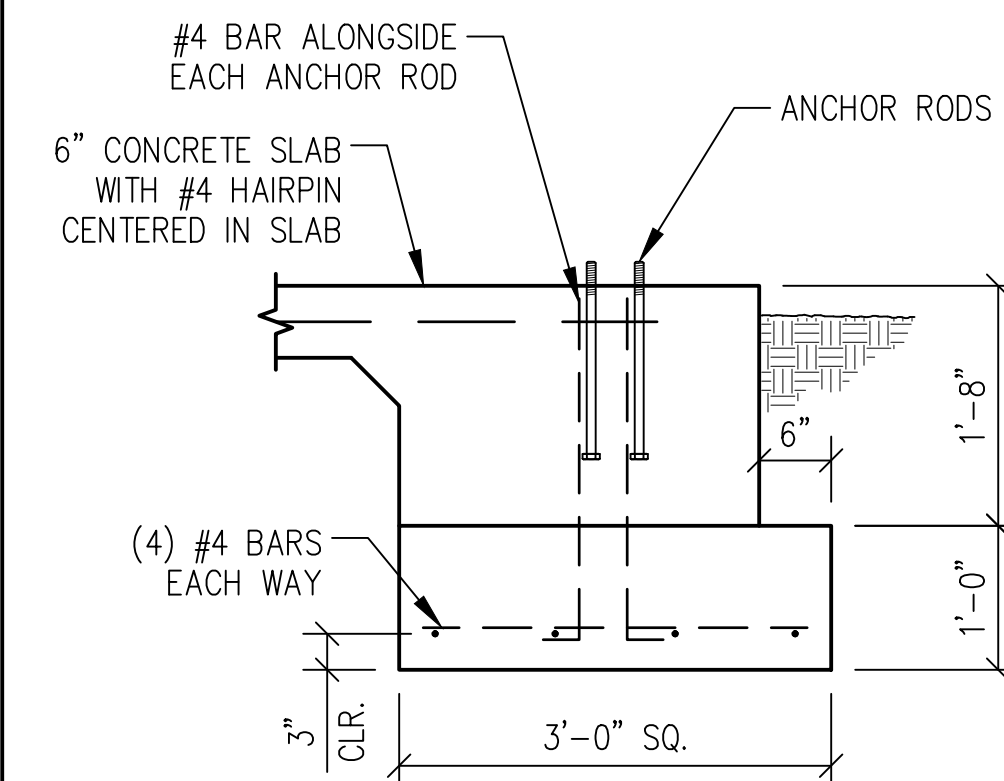
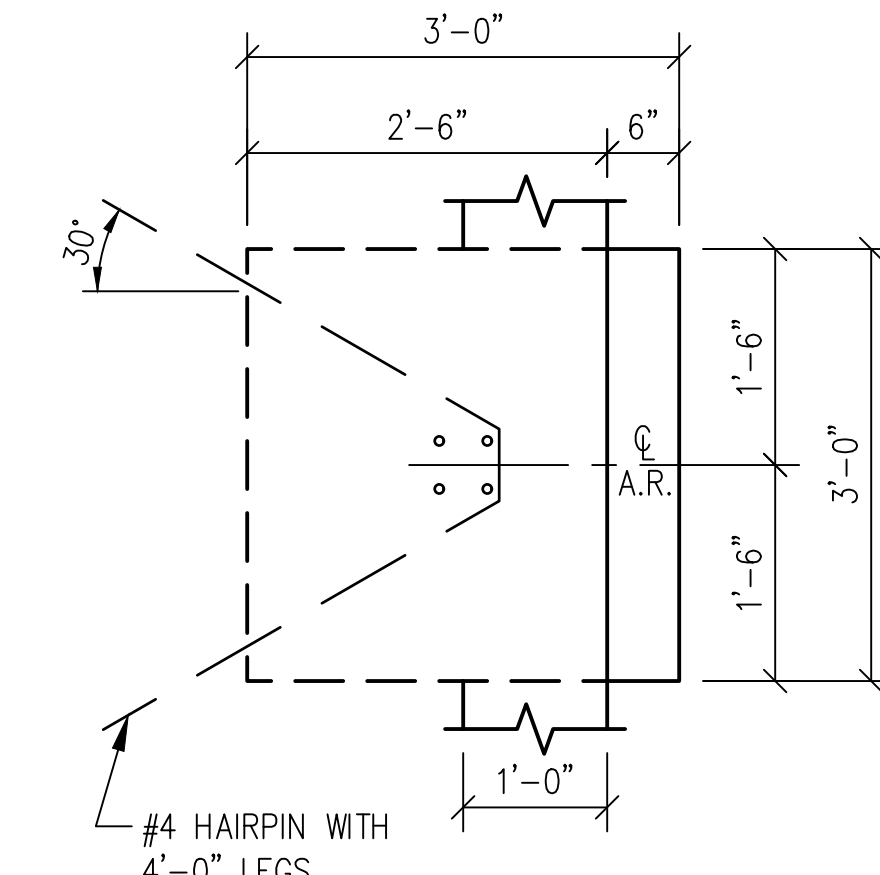
F7 CORNER FOOTING DETAIL
3/4"=1'-0"



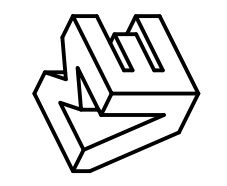
F8 ENDWALL FOOTING DETAIL
3/4"=1'-0"



F9 CORNER FOOTING DETAIL
3/4"=1'-0"



F10 ENDWALL FOOTING DETAIL
3/4"=1'-0"



**MOUNTAIN VIEW
ENGINEERING, INC.**

Structural Engineering Consulting
345 North Main Street Ste. A, Brigham City, Utah 84302 (435) 734-9700 Fax (435) 734-9519

SHEET TITLE: FOUNDATION DETAILS

JOB NAME: NEW BUS BARN

LOCATION: BANDON, OREGON

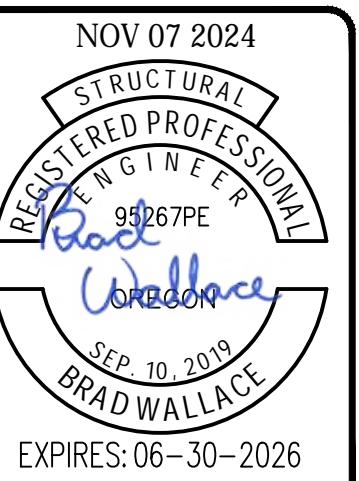
CONTRACTOR: -

PLAN ISSUE DATES

BY: DESCRIPTION:

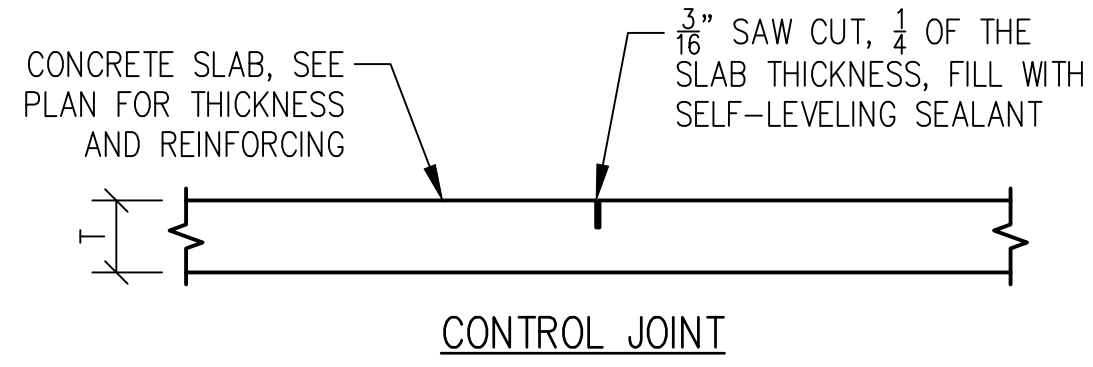
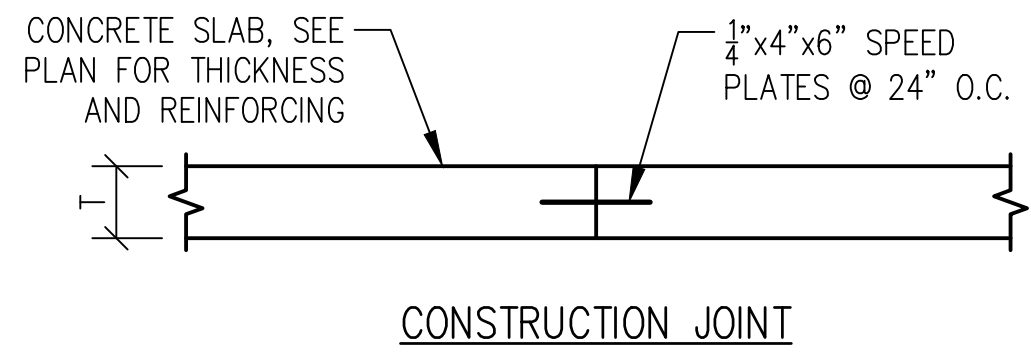
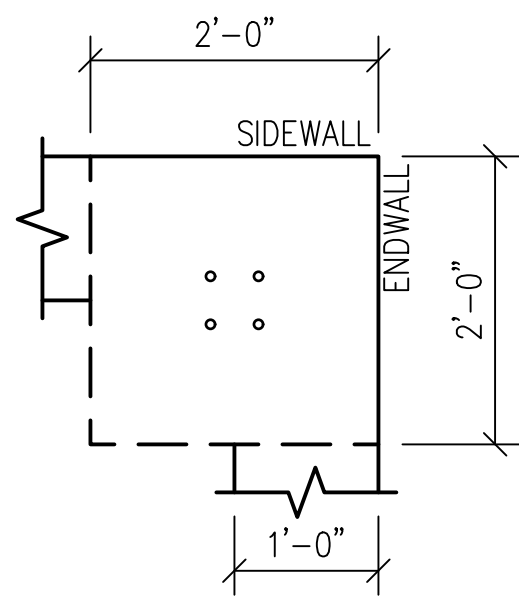
DATE: 9-6-24 J.B.F. FOR PERMIT

11-7-24 C.J.O. REVISED FOR PERMIT



SHEET NUMBER:
F-2

DRAWN BY: J.B.F.
ENGINEER: D. LARSEN
MVE JOB NUMBER: 24-0948



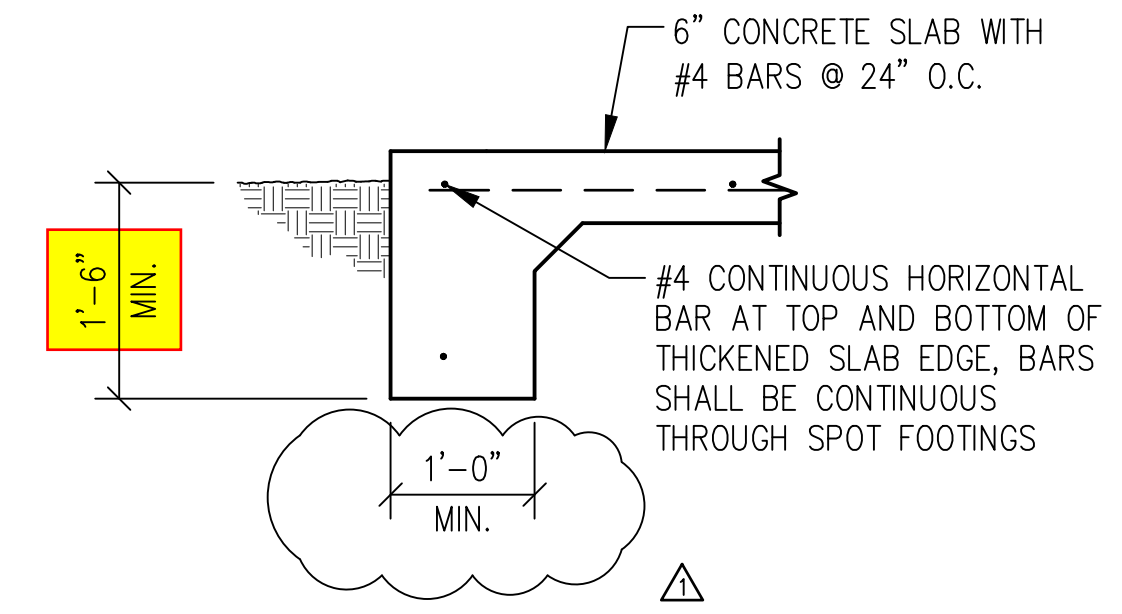
(A) CONTROL JOINTS
N.T.S.

CONTROL JOINT NOTES:

1. Control joints shall be field located by the contractor.
2. Control joints shall be located to limit the frequency and width of random cracks in the concrete slab.
3. Locate and install control joints in accordance with ACI 360R "Design of Slabs on Ground" and the details shown.
4. Maximum spacing of joints shall be per the table below.
5. Saw cuts should be made as soon as possible.

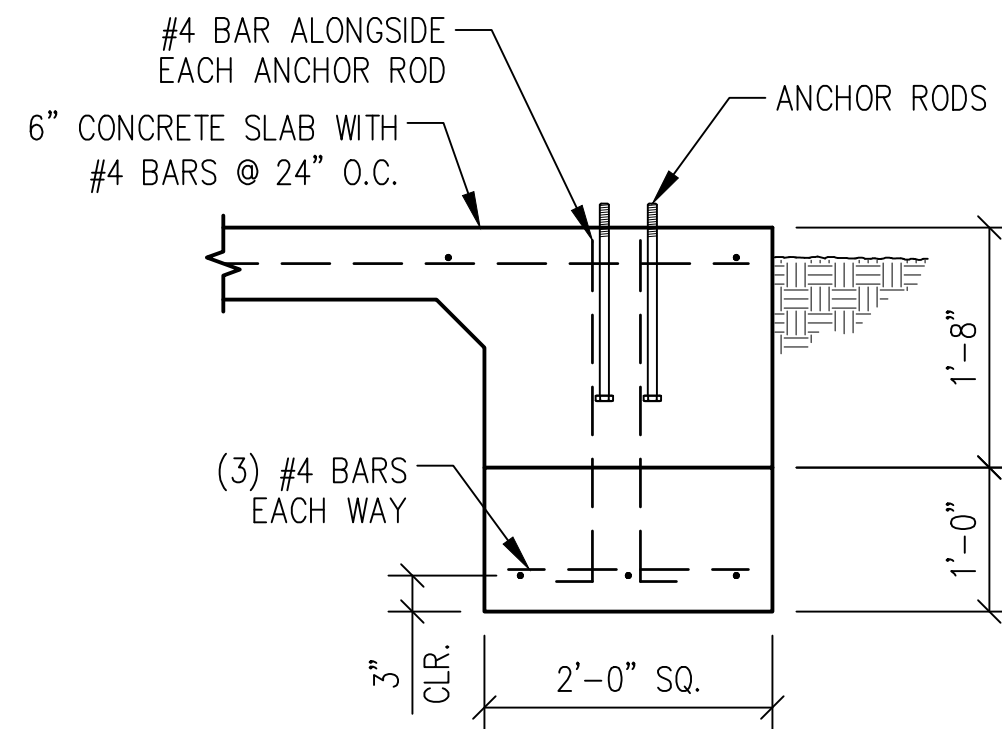
MAXIMUM SPACING OF CONTROL JOINTS

Slab thickness (T), in.	Slump 4 in. to 6 in.	
	Maximum-size aggregate less than 3/4 in.	Maximum-size aggregate 3/4 in. and larger
4	8 ft.	10 ft.
5	10 ft.	13 ft.
6	12 ft.	15 ft.
7	14 ft.	18 ft.
8	16 ft.	20 ft.



(B) THICKENED SLAB EDGE DETAIL
3/4"=1'-0"

****see architectural drawings for perimeter slab insulation detail



(F11) CORNER FOOTING DETAIL
3/4"=1'-0"

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 Design
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 345 North Main Street Ste. A, Brigham City, Utah 84302 (435) 734-9700 Fax (435) 734-9519

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 SHEET TITLE:
 JOB NAME: **NEW BUS BARN**
 LOCATION: **BANDON, OREGON**
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PLAN ISSUE DATES	
DATE	DESCRIPTION
9-6-24	J.B.F. FOR PERMIT
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NOV 07 2024
 REGISTERED PROFESSIONAL ENGINEER
 BRAD WALLACE
 SEP 10 2019
 BRAD WALLACE
 EXPIRES: 06-30-2026

SHEET NUMBER:
F-3

DRAWN BY: J.B.F.
 ENGINEER: J.P.D.
 M/E JOB NUMBER: **24-0948**

BANDON SCHOOL DISTRICT NEW BUS BARN

BID AND PERMIT SET
BANDON SCHOOL DISTRICT #54
455 9TH STREET SW
BANDON, OR 97411

Coos County Building Codes Division
Plan Review for Code Compliance

Structural Plan Review: APPROVED

11/05/2024 11:45:33 AM

Plan Reviewed By: *bkupersmith*

This Plan Approval does not authorize any omission or deviation from requirements of any State or Federal laws, rules or regulations, or any local ordinances. This approved plan is not a building permit.



524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-659-2205

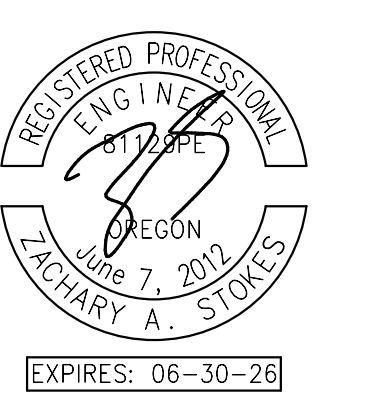
****** see separate document for steel building plan**

PROJECT NOTES	ABBREVIATIONS	PROJECT NARRATIVE	PROJECT TEAM	SHEET INDEX
<p>1. ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS SHALL BE FIELD VERIFIED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD OF ANY SIGNIFICANT DISCREPANCIES FROM CONDITIONS SHOWN ON THE DRAWINGS.</p> <p>2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION MEANS AND METHODS. RESPONSIBILITY SHALL INCLUDE BUT NOT LIMITED TO DEMOLITION AND CONSTRUCTION MEANS AND METHODS, TECHNIQUES, SEQUENCING, AND SAFETY REQUIRED TO COMPLETE CONSTRUCTION.</p> <p>3. BEFORE STARTING A SECTION OF WORK THE CONTRACTOR SHALL CAREFULLY EXAMINE PREPARATORY WORK THAT HAS BEEN EXECUTED. ENSURE THAT WORK AND ADJACENT RELATED WORK WILL FINISH TO PROPER PLANES AND LEVELS.</p> <p>4. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS AND WORKMANSHIP IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES.</p> <p>5. CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, AND DIMENSIONS FOR ACCURACY AND CONFIRMING THAT WORK IS BUILDABLE AS SHOWN BEFORE PROCEEDING WITH THE CONSTRUCTION. IF THERE ARE ANY QUESTIONS, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH THE WORK IN QUESTION OR RELATE WORK.</p> <p>6. THE CONTRACTOR SHALL NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL ALWAYS GOVERN. CONTRACTOR REQUIRING DIMENSIONS NOT NOTED SHALL ALWAYS CONTACT THE PROJECT TEAM FOR SUCH INFORMATION PRIOR TO PRECEDING WITH WORK RELATED TO THOSE DIMENSIONS</p> <p>7. THE CONTRACTOR SHALL PROTECT, PATCH, AND REPAIR TO MATCH ANY WALLS, FLOORS, CEILINGS, AND/OR OTHER SURFACES WHICH MAY BE DISTURBED DURING THE INSTALLATION OF MECHANICAL, ELECTRICAL, PLUMBING OR OTHER OWNER WORK.</p> <p>8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR PROPER INSTALLATION OF MATERIAL AND EQUIPMENT. PROVIDE DEMOLITION AND PATCH/REPAIR IN ALL AREAS (WHETHER SPECIFICALLY SHOWN OR NOT) TO ACCOMMODATE ALL WORK.</p> <p>9. IF THE CONTRACTOR ENCOUNTERS A CONDITION NOT COVERED IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL NOTIFY AND RESOLVE THE ISSUE WITH THE PROJECT TEAM BEFORE COMMENCING ANY WORK.</p> <p>10. ALL PERMITS ASSOCIATED WITH THE PROJECT SHALL BE PAID AND OBTAINED BY THE CONTRACTOR.</p> <p>11. DIMENSIONS ARE TO FACE OF FRAMING UNLESS OTHERWISE NOTED.</p> <p>12. GENERAL CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR JOB CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF PERSONS AND PROPERTY AND COMPLIANCE WITH OSHA SAFETY STANDARDS.</p> <p>13. WHEN PORTIONS OF THE WORK ARE PERFORMED BY THE CONTRACTOR ON A DESIGN-BUILD BASIS, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE DESIGN OF SUCH SYSTEMS AND FOR THE SECURING OF ALL ASSOCIATED PERMITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL DESIGN BUILD SUB CONTRACTORS.</p> <p>14. CONTRACTOR SHALL AVOID INTERFERENCE AND CONFLICT WITH THE BUILDING'S NORMAL OPERATION. CONTRACTOR TO COMPLY WITH THE BUILDING RULES AND REGULATIONS REGARDING SCHEDULING AND USE OF ELEVATORS AND LOADING DOCKS FOR DELIVERY AND HANDLING OF MATERIALS, EQUIPMENT, AND DEBRIS.</p> <p>15. ALL KEY NOTES INDICATE NEW ITEMS TYPICALLY UNLESS NOTED OTHERWISE</p>	<p>A.B. ANCHOR BOLT A.C. ASPHALT CONCRETE A.C.B. ACOUSTICAL BOARD ACI AMERICAN CONCRETE INSTITUTE A.C.P. ACOUSTICAL PANEL A.C.T. ACOUSTICAL CEILING ADDL. ADDITIONAL A.D. AREA DRAIN ADJ. ADJUSTABLE A.F. ACCESS FLOORING AGGR. AGGREGATE A.F.F. ABOVE FINISHED FLOOR AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION ARCH. ARCHITECT ASCE AMERICAN SOCIETY OF CIVIL ENGINEERS ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS AWS AMERICAN WELDING SOCIETY BD. BOARD BITUM. BITUMINOUS BKP. BACKING PLATE BM. BEAM BOT./B.O. BOTTOM/BOTTOM OF C.B. CATCH BASIN CEM. CEMENT CER. CERAMIC C.G. CORNER GUARD C.I. CAST IRON C.J. CONTROL JOINT C.J.P. COMPLETE JOINT CL. CENTERLINE CLG. CLADDING CLKG. CAULKING CLO. CLOSET CLR. CLEAR CMU CONCRETE MASONRY UNIT C.O. CASED OPENING CONC. CONCRETE CONN. CONNECTION CONN. CONNECTION CONSTR. CONSTRUCTION CORR. CORRIDOR CPT. CARPET CTSK. COUNTERSUNK C.T. CERAMIC TILE CTR. CENTER DBA DEFORMED BAR D.F. DRINKING FOUNTAIN D.L. DEAD LOAD DET. DETAIL DIA. DIAMETER DISP. DISPENSER DR. DOOR DWG. DRAWING DWR. DRAWER D.S. DOWNSPOUT D.S.P. DRY STANDPIPE (E) EXISTING E.J. EXPANSION JOINT ELEC. ELECTRICAL EL. ELEVATION EQ. EQUAL EQO. EXPOSED EXPO. EXPANSION EXP. EXPANSION EXT. EXTERIOR F.A. FIRE ALARM FB. FLAT BAR F.D. FLOOR DRAIN FDN. FOUNDATION FE. FIRE EXTINGUISHER F.E.F. FACE OF EXISTING FINISH F.H. FLAT HEAD FIN. FINISH FLR. FLOOR F.O.C. FACE OF CONCRETE F.O.F. FACE OF FINISH F.O.S. FACE OF STUDS F.S. FULL SIZE FT. FOOT FTG. FOOTING FUT. FUTURE</p> <p>G. GAUGE GALV. GALVANIZED GL. GRID LINE GLB. GLULAM BEAM GRAB BAR G.B. GRAB BAR GND. GROUND GYP. GYPSUM G.W.B. GYPSUM WALL BOARD H.B. HOSE BIBB H.C. HOLLOW CORE H.M. HOLLOW METAL HORIZ. HORIZONTAL HSS. HOLLOW STRUCTURAL STEEL IBC INTERNATIONAL BUILDING CODE I.D. INSIDE DIAMETER IN. INCH INT. INTERIOR J.B. JUNCTION BOX J.O.H. JAMB OPENING HEIGHT J.O.W. JAMB WIDTH JT. JOINT K. KIPS KSF. KIPS PER SQUARE FOOT KSI. KIPS PER SQUARE INCH LAM. LAMINATE LB. POUND LL. LIVE LOAD LLH. LONG LEG HORIZONTAL LLV. LONG LEG VERTICAL LOC. LOCATION LONG. LONGITUDINAL L.P. LOW POINT LVF. LOW VELOCITY FASTENER MAX. MAXIMUM MBMA METAL BUILDING MANUFACTURERS ASSOCIATION M.C. MEDIUM DENSITY M.D.F. MEDIUM DENSITY FIBERBOARD M.D.O. MEDIUM DENSITY OVERLAY MECH. MECHANICAL MEMB. MEMBRANE MFR. MANUFACTURER MH. MANHOLE MIN. MINIMUM MIR. MIRROR MISC. MISCELLANEOUS M.O. MASONRY OPENING M.P. MIDPOINT MPH. MILES PER HOUR M.S. MACHINE SCREW MT. MAGNETIC PARTICLE TESTING MTD. MOUNTED MUL. MULLION NEW. NEW N.I.C. NOT IN CONTRACT NOM. NOMINAL N.T.S. NOT TO SCALE OBS. OBSCURE O.C. ON CENTER O.C.D. OVERHEAD COILING O.D. OUTSIDE DIAMETER O.F.C.I. OWNER FURNISHED CONTRACTOR INSTALLED O.F.D. OVERHEAD DRAIN O.F.O.I. OWNER FURNISHED CONTRACTOR INSTALLED OH. OPPOSITE HAND OPP. OPPOSITE OWJ. OPEN WEB JOIST</p> <p>PAF. POWDER ACTUATED FASTENER P/C. PRECAST (CONCRETE) POUNDS PER CUBIC FOOT PCF. POUNDS PER CUBIC FOOT PEMB. PRE-ENGINEERED METAL BUILDING PL. PLATE P.L.A.M. PLASTIC LAMINATE PLAS. PLASTER P.C.P. PORTLAND CEMENT PLASTER PJP. PARTIAL JOINT PENETRATION PR. PAIR PSF. POUNDS PER FOOT PSI. POUNDS PER INCH PIT. POST-TENSIONED P.T. PRESSURE TREATED PARTITION PTN. PARTITION (R). REMOVE R. RADIUS R. RAD. REFLECTED CEILING PLAN R.C.P. ROOF DRAIN R.D. REFERENCE REF. REINFORCING REQUIRED REQD. RELOCATE R.O. ROUGH OPENING R.W.D. REDWOOD REV. REVERSED S.C. SOLID CORE or SLIP CRITICAL S.C.D. SEE CIVIL DRAWINGS SCHED. SCHEDULE SHR. SHOWER SIM. SIMILAR S.J. SCORE JOINT S.L.D. SEE LANDSCAPING DRAWINGS SLRS. SEISMIC LOAD RESISTING SYSTEM S.M. SHEET METAL S.M.D. SEE MECHANICAL DRAWINGS S.O.G. SLAB ON GRADE SPECIFICATION SPEC. SPECIFICATION SQ. SQUARE S.S.D. SEE STRUCTURAL DRAWINGS S.S. STAINLESS STEEL SSMA. STEEL STUD MANUFACTURERS ASSOCIATION STANDARD STD. STRUCTURAL STRUC. SELF TAPPING SCREW S.T.S. SUSPENDED SYM. SYMMETRICAL THRU. THROUGH TYP. TYPICAL TRD. TREAD T.B. TOWEL BAR T.C. TOP OF CURB T & G. TONGUE AND GROOVE THK. THICK TJ. TRUSS JOIST T.P. TOP OF PAVEMENT TRANS. TRANSVERSE T.W. TOP OF WALL U.N.O. UNLESS NOTED OTHERWISE U.T. ULTRASONIC TESTING VERT. VERTICAL V.I.F. VERIFY IN FIELD V.T.R. VENT THROUGH ROOF w/ WITH w/o WITHOUT W.C. WATER CLOSET WF. WIDE FLANGE W.O. WINDOW OPENING W.P. WORK POINT</p>	<p>THE PROJECT CONSISTS OF DEMOLISHING THE EXISTING BUS BARN FOR THE BANDON SCHOOL DISTRICT AND CONSTRUCTING A NEW 80'x100' PRE-ENGINEERED METAL BUILDING (PEMB) IN ITS PLACE, INCLUDED IN THE PROJECT SCOPE IS SITE WORK, INCLUDING A NEW ACCESSIBLE PARKING STALL, AS NEEDED TO CONSTRUCT THE NEW REPLACEMENT BUILDING PER CIVIL.</p> <p>ARCHITECTURAL SCOPE NEW 80'x100' PRE-ENGINEERED METAL BUILDING (PEMB) WITH OFFICE SPACES AND BUS STORAGE PER PLANS</p> <p>CIVIL SCOPE THE PROPOSED SCOPE OF WORK INCLUDES DEMOLITION OF THE EXISTING BUS BARN, SITE GRADING, PAVING, STORMWATER CONVEYANCE FACILITIES, FENCING, AND UTILITY IMPROVEMENTS. PROPOSED UTILITY IMPROVEMENTS CONSIST OF UNDERGROUND POWER, PRIVATE WATER SERVICE EXTENSION, AND A PRIVATE SANITARY SEWER GRINDER PUMP.</p>	<p>OWNER: CONTACT: <i>SHAUNA SCHMERER</i> BANDON SCHOOL DISTRICT 455 9TH ST. SW BANDON, OR 97411 T 541.347.4411</p> <p>CIVIL ENGINEERING: ENGINEER OF RECORD: <i>SYLAS E. ALLEN, PE</i> CONTACT: <i>LUCAS GOWEY</i> ZCS ENGINEERING & ARCHITECTURE 127 NW D ST. GRANTS PASS, OR 97526 T 503.659.2205</p> <p>ARCHITECTURE: STAMPING REGISTRANT: <i>ZACHARY A. STOKES, PE</i> CONTACT: <i>DAN SALTEE, AIA</i> ZCS ENGINEERING & ARCHITECTURE 524 MAIN ST., STE. 2 OREGON CITY, OR 97045 T 503.659.2205</p> <p>GENERAL CONTRACTOR: SCOTT PARTNEY CONSTRUCTION 598 CHAPPELL PARKWAY NORTH BEND, OR 97459 T 541.756.7060</p> <p>SEWER PROVIDER: CITY OF BANDON PUBLIC WORKS 555 US-1 BANDON, OR 97411 T 541.347.2437</p> <p>SURVEYOR: CONTACT: <i>JOHN R. PARIANI, PLS</i> PARIANI LAND SURVEYING, LLC 17 SOUTH PLATT AVE., SUITE C EAGLE POINT, OR 97524 T 541.890.1131</p>	<p>-GENERAL- G0.00 COVER SHEET G1.00 CODE PLAN G2.00 TYPICAL ADA STANDARDS G2.10 TYPICAL ADA STANDARDS</p> <p>-CIVIL- C0.00 CIVIL COVER SHEET C0.01 GENERAL CIVIL NOTES C0.02 EROSION AND SEDIMENT CONTROL NOTES C1.00 EXISTING CONDITIONS, DEMOLITION, AND EROSION AND SEDIMENT CONTROL PLAN C2.00 CIVIL SITE, FENCING, STRIPING, AND SIGNAGE PLAN C3.00 GRADING, DRAINAGE, AND UTILITY PLAN C4.00 PRIVATE CIVIL DETAILS C5.00 AGENCY STANDARD DETAILS</p> <p>-ARCHITECTURAL- A0.10 ASSEMBLIES A0.20 DOOR & WINDOW SCHEDULES A0.30 FINISH SCHEDULES A1.00 FLOOR PLAN A1.20 ROOF PLAN A2.10 REFLECTED CEILING PLAN A4.00 EXTERIOR ELEVATIONS A5.00 BUILDING SECTIONS A5.10 WALL SECTIONS A7.00 ENLARGED PLANS & INTERIOR ELEVATIONS A8.00 DETAILS A8.10 DETAILS AS.10 SPECIFICATIONS AS.11 SPECIFICATIONS AS.12 SPECIFICATIONS AS.13 SPECIFICATIONS</p>
		<p>NOTICE</p> <p>THESE APPROVED PLANS SHALL BE KEPT ON SUCH BUILDING OR WORK AT ALL TIMES DURING WHICH THE WORK AUTHORIZED THEREBY IS IN PROGRESS UNTIL FINAL INSPECTION</p>		
		<p>DESIGN / BUILD SCOPE</p> <p>MEP TO BE DESIGN BUILD BY THE G.C. AND SUBCONTRACTORS. G.C. AND SUBCONTRACTORS TO REVIEW PLANS AND PROVIDE MEP REQUIRED DESIGN IN COORDINATION WITH THE ARCHITECTURAL PLANS. NOTIFY ARCHITECT IF FURTHER MODIFICATIONS ARE REQUIRED.</p> <p>MECHANICAL:</p> <ol style="list-style-type: none"> DESIGN AND INSTALLATION OF HVAC SYSTEM DESIGN AND INSTALLATION OF VENTILATION AND EXHAUST SYSTEM <p>PLUMBING:</p> <ol style="list-style-type: none"> INSTALLATION OF PLUMBING FIXTURES, SUPPLY LINES AND SEWER INSTALLATION OF HOSE BIBS <p>ELECTRICAL:</p> <ol style="list-style-type: none"> COORDINATE ALL WORK WITH MECHANICAL AS REQUIRED FOR NEW HVAC EQUIPMENT INSTALLATION OF LIGHTING FIXTURES REMOVAL OF LIGHT AND POWER POLES OUTSIDE OF BUILDING PER CIVIL BURYING OF POWER BELOW GROUND, COORDINATE WITH CIVIL PROVIDE POWER AS REQUIRED TO OPERATE ANY SHOP EQUIPMENT INSTALLATION OF ELECTRICAL EQUIPMENT FOR SOLAR READY REQUIREMENTS 	<p>VICINITY MAP</p>	<p>DEFERRED SUBMITTALS</p> <p>ZCS SHALL PERFORM GENERAL REVIEW OF ANY DEFERRED SUBMITTAL DESIGNS PRIOR TO SUBMITTING TO THE AHJ AND PRIOR TO CONSTRUCTION IMPLEMENTATION FOR GENERAL CONFORMANCE TO THE DESIGN INTENT. DEFERRED SUBMITTAL ITEMS SHALL NOT BE SPECIALLY FABRICATED OR INSTALLED UNTIL APPROVED BY THE AHJ AND ZCS.</p> <p>1. NONE</p>
		<p>AERIAL PHOTO</p>	<p>AREA PLAN</p>	

ONE INCH EQUALS FULL SCALE 10/30/2024 8:43:39 AM

SYMBOLS LEGEND

<p>Room name</p> <p>101 ROOM NUMBER</p> <p>150 SF ROOM AREA</p> <p>PROJECT NORTH</p> <p>101 DOOR NUMBER</p> <p>XX FINISH TYPE</p> <p>X WINDOW/GLAZING TAG</p>	<p>ELEVATION SYMBOL</p> <p>A101 ELEVATION REFERENCE</p> <p>1 Ref SHEET REFERENCE</p> <p>INTERIOR ELEVATION SYMBOL</p> <p>A101 INTERIOR ELEVATION REFERENCE</p> <p>1 Ref SHEET REFERENCE</p> <p>BUILDING & WALL SECTION</p> <p>A101 INTERIOR ELEVATION REFERENCE</p> <p>1 Ref SHEET REFERENCE</p>	<p>DETAIL REFERENCE</p> <p>A101 SHEET REFERENCE</p> <p>ENLARGED PLAN</p> <p>A101 DRAWING REFERENCE</p> <p>1 Ref SHEET REFERENCE</p> <p>LEVEL HEAD</p> <p>Name Elevation</p> <p>XX FINISH TAG</p> <p>11 PLUMBING FIXTURE TAG</p>	<p>CEILING TAG</p> <p>ACT CEILING MATERIAL</p> <p>8'-0" CEILING HEIGHT</p> <p>NOTES ADDITIONAL NOTES</p> <p>KEYNOTE TAG</p> <p># KEYNOTE TAG</p> <p>STRUCTURAL KEYNOTE TAG</p> <p># STRUCTURAL KEYNOTE TAG</p> <p>WALL TYPE TAG</p> <p>W WALL TYPE TAG</p> <p>FLOOR TRANSITION TAG</p> <p>TR# FLOOR TRANSITION TAG</p> <p>CENTER LINE</p> <p>CL CENTER LINE</p> <p>REVISION SET TAG</p> <p>1 DELTA w/ CURRENT REVISION NUMBER</p> <p>1 PREVIOUS REVISION</p>	<p>FINISH TAG</p> <p>XX# FLOOR FINISH</p> <p>XX# WALL FINISHES</p> <p>XX# ME# EX# REM# ADDITIONAL NOTES BASE FINISH</p> <p>PHOTO REFERENCE</p> <p>Ref 1 DRAWING REFERENCE</p> <p>1 Ref SHEET REFERENCE</p> <p>VIEW TITLE</p> <p>1 View Name</p> <p>1/4" = 1'-0" DRAWING SCALE</p> <p>1 DRAWING NUMBER</p>
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DATE	Description
1 10-30-24	REVISION 1

PROJECT NO.	G-1533-22
DRAWN:	LJS
CHECKED:	DDS
DATE:	02-13-2024

COVER SHEET

GO.00

BID AND PERMIT SET



524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-659-2205

BANDON SCHOOL DISTRICT #54
455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOOL DISTRICT NEW BUS BARN



PLUMBING COUNT PER TABLE 2902.1										
GROUP	OCC LOAD		FIXTURE RATIOS				FIXTURE REQUIREMENTS			
	MALE	FEMALE	W/C		LAV		W/C		LAV	
			MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
BUSINESS	3	3	1/25	1/25	1/40	1/40	0.12	0.12	0.08	0.08
STORAGE	18	18	1/100	1/100	1/100	1/100	0.18	0.18	0.18	0.18
TOTAL REQUIRED							0.30	0.30	0.26	0.26
TOTAL PROVIDED							1	1	1	1

2902.2 SEPARATE FACILITIES - EXCEPTION 5
ALTHOUGH TABLE 2902.1 REQUIRES TWO SEPARATE FACILITIES BASED ON THE PROJECTED OCCUPANT LOAD, THE ACTUAL OCCUPANT LOAD AS THIS SPACE WILL BE USED WILL BE CONSIDERABLY LESS THAN 30. THE SCHOOL DISTRICT IS ASKING FOR CONSIDERATION FROM THE BUILDING OFFICIAL TO ACCEPT A SINGLE-USER UNISEX RESTROOM

CODE PLAN LEGEND

- ILLUMINATED EXIT SIGN PER 2022 OREGON FIRE CODE (OFC). EXIT SIGNS ARE NOT INTENDED TO PROVIDE MIN. REQUIRED EGRESS ILLUMINATION
- EMERGENCY EXIT ROUTE
- OCCUPANCY LOAD VALUE PER ROOM
- ROOM OCCUPANT LOAD
- FIRE EXTINGUISHER
- 2-HOUR FIRE BARRIER
- LOCATION OF (2) OPTIONS OF EGRESS

LIFE SAFETY CODE SUMMARY

- APPLICABLE CODES**
- BUILDING CODE: 2022 OSSC
 - PLUMBING CODE: 2021 OPSC
 - MECHANICAL CODE: 2022 OMSC
 - ELECTRICAL CODE: 2021 OESC
 - ENERGY CODE: 2021 OEESC
 - FIRE CODE: 2022 OFC
 - ACCESSIBILITY CODE: ICC A117.1-2017
- BUILDING DATA**
- OCCUPANCIES (NONSEPARATED): B, S-2
 - CONSTRUCTION TYPE: V5
 - FIRE SPRINKLER: NONE
 - FIRE ALARM: NONE
 - ALLOWABLE BUILDING AREA: 9,000 SF
 - PROPOSED BUILDING AREA: 8,000 SF
 - ALLOWABLE BUILDING HEIGHT: 40'
 - PROPOSED BUILDING HEIGHT: 25'-6"
 - ALLOWABLE # OF STORIES: 2
 - PROPOSED # OF STORIES: 1

OCCUPANCY CLASSIFICATION AND USE
TABLE 307.1(1) MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA OF HAZARDOUS MATERIALS POSING A PHYSICAL HAZARD
THE STORAGE OF SMALL QUANTITIES OF HAZARDOUS MATERIALS IS LIMITED TO TABLES 307.1(1) AND 307.1(2)

SPECIAL DETAILED REQUIREMENTS BASED ON OCCUPANCY AND USE
406.2.4 FLOOR SURFACES SHALL BE OF CONCRETE OR SIMILAR APPROVED NONCOMBUSTIBLE AND NONABSORBENT MATERIALS. THE AREA OF FLOOR USED FOR THE PARKING OF AUTOMOBILES OR OTHER VEHICLES SHALL BE SLOPED TO FACILITATE THE MOVEMENT OF LIQUIDS TO A DRAIN
THE BUS BARN AND MAINTENANCE BAY ROOMS HAVE A CONCRETE FLOOR SURFACE AND WILL BE SLOPED TO THE MAIN VEHICLE ENTRY DOORWAY
406.2.9.1 EQUIPMENT AND APPLIANCES HAVING AN IGNITION SOURCE AND LOCATED IN HAZARDOUS LOCATIONS, REPAIR GARAGES, AND PARKING GARAGES SHALL BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS NOT LESS THAN 18" ABOVE THE FLOOR SURFACE ON WHICH THE EQUIPMENT OR APPLIANCE RESTS
EXCEPTION: ELEVATION OF THE IGNITION SOURCE IS NOT REQUIRED FOR APPLIANCES THAT ARE LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT

406.2.9.2 APPLIANCES LOCATED IN REPAIR GARAGES OR OTHER AREAS FREQUENTED BY MOTOR VEHICLES SHALL BE INSTALLED NOT LESS THAN 8 FEET ABOVE THE FLOOR. WHERE MOTOR VEHICLES ARE CAPABLE OF PASSING UNDER AN APPLIANCE, THE APPLIANCE SHALL BE INSTALLED AT THE CLEARANCES REQUIRED BY THE APPLIANCE MANUFACTURER AND NOT LESS THAN 1 FOOT HIGHER THAN THE TALLEST VEHICLE GARAGE DOOR OPENING.
EXCEPTION: THE REQUIREMENTS OF THIS SECTION SHALL NOT APPLY WHERE THE APPLIANCES ARE PROTECTED FROM MOTOR VEHICLE IMPACT AND INSTALLED IN ACCORDANCE WITH SECTION 406.2.9.1 AND NFPA 30A

406.6.2 A MECHANICAL VENTILATION SYSTEM AND EXHAUST SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH CHAPTERS 4 AND 5 OF THE MECHANICAL CODE

GENERAL BUILDING HEIGHTS AND AREAS
508.3.3 NO SEPARATION IS REQUIRED BETWEEN NONSEPARATED OCCUPANCIES
ONLY A FIRE BARRIER IS PROVIDED AT GRID LINE 3 TO CREATE SEPARATE FIRE AREAS PER 707.3.10

****per OAR 918-460-0200 (2) electric vehicle charging station infrastructure not required
****per school district: the intended use of this structure is for parking of buses and light repairs such as tire change and marker lights

FIRE AND SMOKE PROTECTION FEATURES
TABLE 705.5 FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE
SEPARATION OF 105 x 30 FEET OF GROUPS B AND S-2 ARE NOT REQUIRED TO BE RATED
SEPARATION OF 230 FEET OF GROUPS B AND S-2 ARE NOT REQUIRED TO BE RATED

707.3.10 THE FIRE BARRIER SEPARATING A SINGLE OCCUPANCY INTO DIFFERENT FIRE AREAS SHALL HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN THAT INDICATED IN TABLE 707.3.10
THE FIRE-RESISTANCE RATING REQUIRED TO SEPERATE S-2 OCCUPANCY INTO DIFFERENT FIRE AREAS IS 2-HOUR

707.5 FIRE BARRIERS SHALL EXTEND FROM THE TOP OF THE FOUNDATION TO THE UNDERSIDE OF THE ROOF ABOVE AND SHALL BE SECURELY ATTACHED THERETO
SEE DETAILS IN PLAN SET FOR COMPLIANCE

707.6 OPENINGS IN A FIRE BARRIER SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 716. OPENINGS SHALL BE LIMITED TO A MAXIMUM AGGREGATE WIDTH OF 25 PERCENT OF THE LENGTH OF THE WALL, AND THE MAXIMUM AREA OF A SINGLE OPENING SHALL NOT EXCEED 156 SF
A SINGLE 3'x7' (21 SF) RATED DOOR IS PROPOSED IN THE FIRE BARRIER AND IS UNDER THE LIMITS CITED IN SECTION 707.6

TABLE 716.1(2) OPENING FIRE PROTECTION ASSEMBLIES, RATINGS AND MARKINGS
2-HOUR FIRE BARRIERS SHALL HAVE DOORS WITH A MINIMUM FIRE DOOR AND FIRE SHUTTER ASSEMBLY OF NOT LESS THAN 90-MINUTES

INTERIOR FINISHES
TABLE 803.13 INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY
ROOMS AND ENCLOSED SPACES
GROUP B: C
GROUP S: C
CLASS C = FLAME SPREAD INDEX 76-200; SMOKE DEVELOPED INDEX 0-450

FIRE PROTECTION AND LIFE SAFETY SYSTEMS
903.2.10.1 COMMERCIAL PARKING GARAGES
THE GROUP S-2 FIRE AREA HAS BEEN BROKEN UP WITH A 2-HOUR FIRE BARRIER TO CREATE FIRE AREAS THAT ARE LESS THAN 5,000 SF AND THEREFORE DOES NOT REQUIRE AN AUTOMATIC SPRINKLER SYSTEM
907.2.10 GROUP S
A FIRE ALARM AND DETECTION SYSTEM IS NOT REQUIRED

MEANS OF EGRESS
TABLE 1004.5 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT
SEE CODE PLANS FOR OCCUPANT LOAD BREAKDOWN
TABLE 1006.2.1 MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE:

OCCUPANCY	WITHOUT SPRINKLER SYSTEM		LONGEST DISTANCE PROPOSED	CONTROLLING EXIT PATH
	SPRINKLER SYSTEM	DISTANCE PROPOSED		
B	75' MAX.	44'-2"	44'-2"	'A'
S	100' MAX.	NA	NA	'A'

*THERE ARE TWO PATHS OF TRAVEL TO AN EXIT AT ANY POINT IN THE ROOM

1008.3.2 IN THE EVENT OF POWER SUPPLY FAILURE IN BUILDINGS THAT REQUIRE TWO OR MORE EXITS OR ACCESS TO EXITS, AN EMERGENCY ELECTRICAL SYSTEM SHALL AUTOMATICALLY ILLUMINATE THE FOLLOWING AREAS:
1. EXTERIOR LANDINGS FOR EXIT DOORWAYS THAT LEAD DIRECTLY TO THE EXIT DISCHARGE

TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE:

OCCUPANCY	WITHOUT SPRINKLER SYSTEM		LONGEST DISTANCE PROPOSED	CONTROLLING EXIT PATH
	SPRINKLER SYSTEM	DISTANCE PROPOSED		
B	200' MAX.	44'-2"	44'-2"	'A'
S-2	300' MAX.	111'-5"	111'-5"	'B'

STRUCTURAL DESIGN
TABLE 1604.5 RISK CATEGORY OF BUILDINGS AND OTHER STRUCTURES
THE STRUCTURE IS ASSIGNED RISK CATEGORY II

SPECIAL CONSTRUCTION
3111.4.3 NEWLY CONSTRUCTED BUILDINGS SHALL BE PROVIDED WITH A SOLAR-READY ZONE COMPLYING WITH SECTIONS 3111.4.1 THROUGH 3111.4.9
A SOLAR-READY ZONE HAS BEEN PROVIDED, SEE ROOF PLAN ON SHEET A1.20

ENERGY CODE COMPLIANCE

BUILDING ENVELOPE REQUIREMENTS FOR CLIMATE ZONE 4C

	CONDITIONED	SEMICONDITIONED	UNCONDITIONED
METAL BUILDING ROOF:	NA	U-0.082 MAX. / R-19 MIN.	NA
ATTIC:	NA	R-49 MIN.	NA
WALL (WOOD FRAMED):	R-20 MIN.	R-13 MIN.	R-13 MIN.
WALL (METAL BUILDING):	U-0.080 MAX.	U-0.162 MAX. / R-13 MIN.	U-0.162 MAX. / R-13 MIN.
SLAB-ON-GRADE:	R-15 MIN. FOR 24"	NO REQUIREMENT	NO REQUIREMENT
DOORS (SWINGING):	U-0.370 MAX.	U-0.370 MAX.	U-0.370 MAX.
DOORS (NONSWINGING):	U-0.310 MAX.	U-0.360 MAX.	U-0.360 MAX.
WINDOWS (OPERABLE):	U-0.45 MAX.	NO REQUIREMENT	NO REQUIREMENT

WHOLE-BUILDING PRESSURIZATION TESTING SHALL BE IN ACCORDANCE WITH ASTM E779 OR ASTM E1827 BY AN INDEPENDENT THIRD PARTY. THE MEASURED AIR LEAKAGE RATE OF THE BUILDING ENVELOPE SHALL NOT EXCEED 0.40 CFM/FT² UNDER A PRESSURE DIFFERENTIAL OF 0.3" OF WATER. WITH THIS AIR LEAKAGE RATE NORMALIZED BY THE SUM OF THE ABOVE-GRADE BUILDING ENVELOPE AREAS OF THE CONDITIONED SPACE AND SEMIHEATED SPACE

THE FOLLOWING AREAS OF THE CONTINUOUS AIR BARRIER IN THE BUILDING ENVELOPE SHALL BE WRAPPED, SEALED, CAULKED, GASKETED, OR TAPED IN AN APPROVED MANNER TO MINIMIZE AIR LEAKAGE:
1. JOINTS AROUND FENESTRATION AND DOOR FRAMES.
2. JUNCTIONS BETWEEN WALLS AND FLOORS, BETWEEN WALLS AT BUILDING CORNERS, AND BETWEEN WALLS AND ROOFS.
3. PENETRATIONS THROUGH THE CONTINUOUS AIR BARRIER IN BUILDING ENVELOPE ROOFS, WALLS, AND FLOORS.
4. BUILDING ASSEMBLIES USED AS DUCTS OR PLENUMS.
5. JOINTS, SEAMS, CONNECTIONS BETWEEN PLANES, AND OTHER CHANGES IN CONTINUOUS AIR BARRIER MATERIALS.

ASHRAE STANDARD 90.1-2019 5.4.3.3(7) VESTIBULES ARE NOT REQUIRED IN CLIMATE ZONE 4 WHERE THE BUILDING IS LESS THAN 1,000 SF IN GROSS CONDITIONED FLOOR AREA.
THE GROSS CONDITIONED FLOOR AREA IS 894 SF



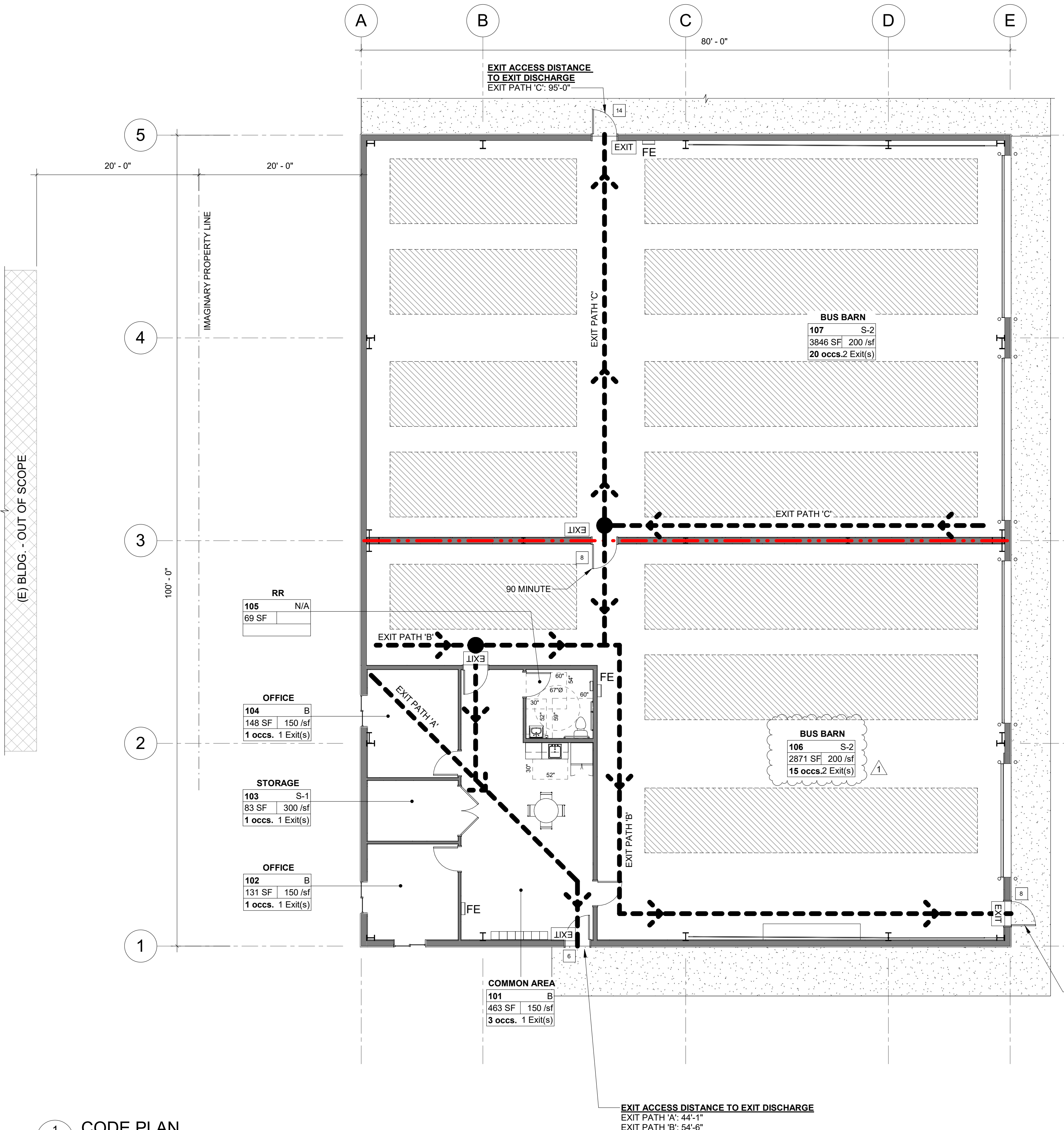
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10-30-24	REVISION 1

PROJECT NO. G-1533-22
DRAWN: LJS
CHECKED: DDS
DATE: 02-13-2024

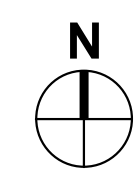
CODE PLAN

G1.00

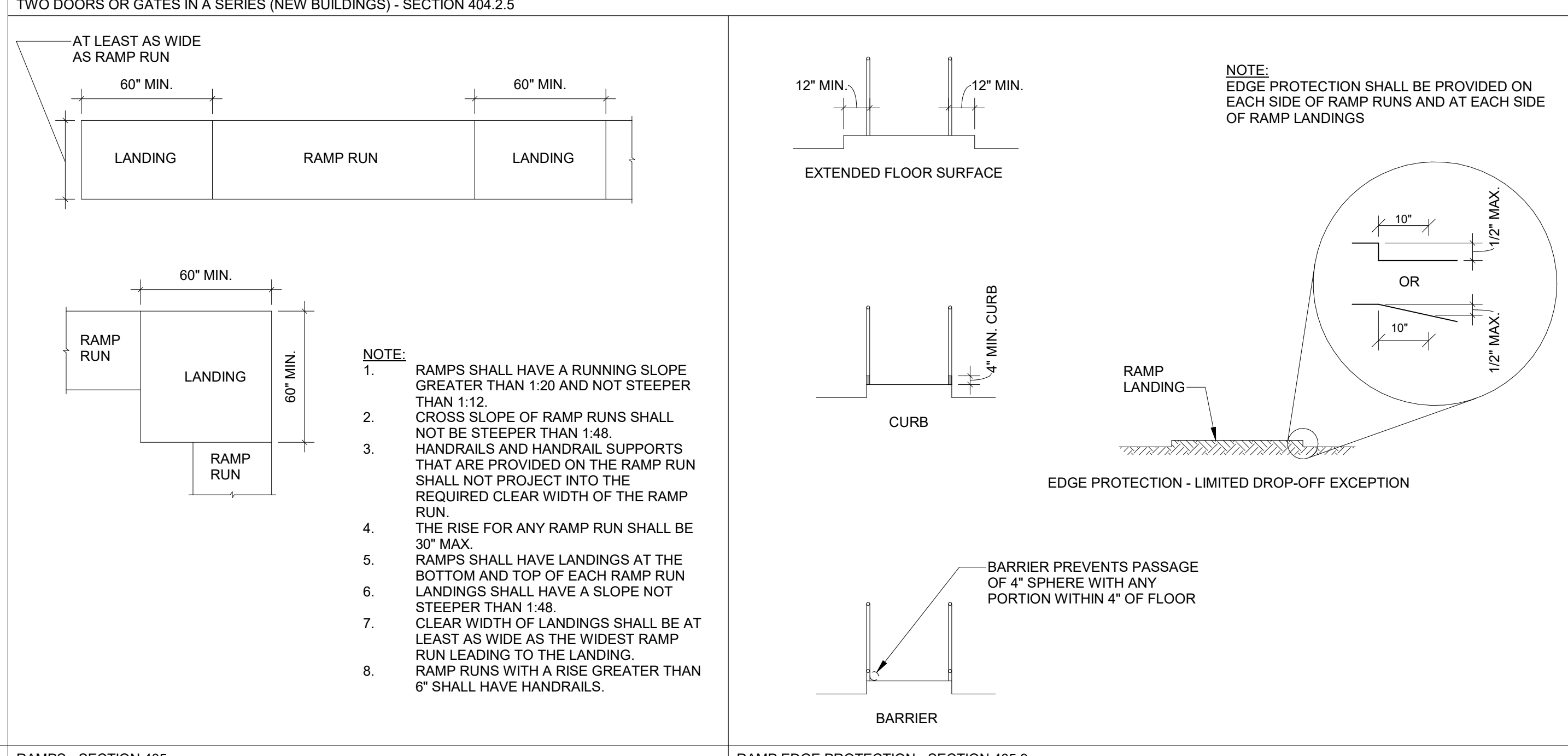
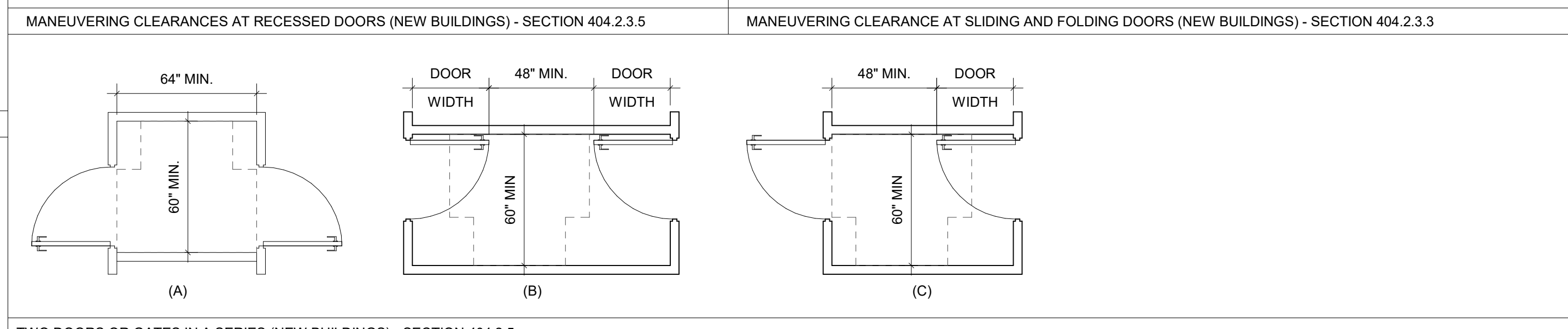
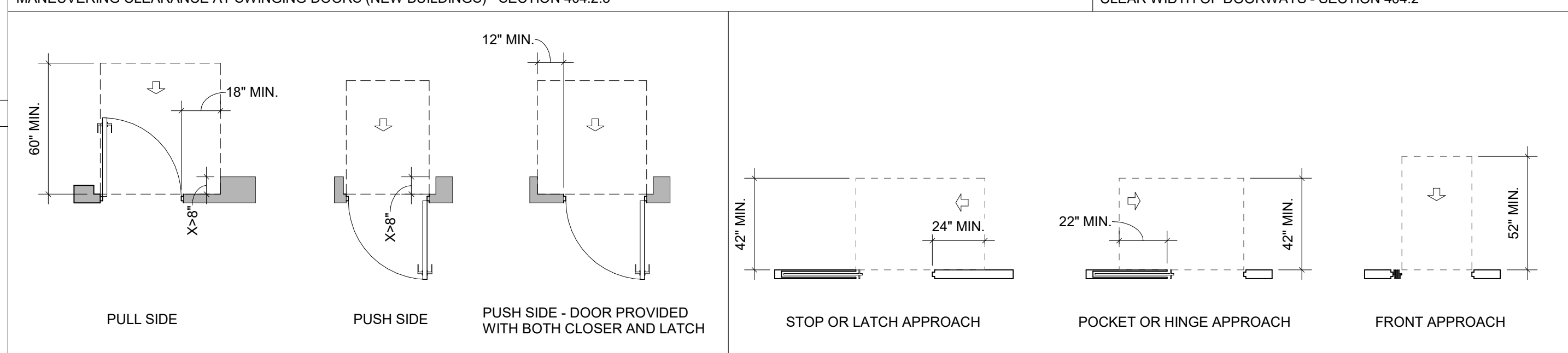
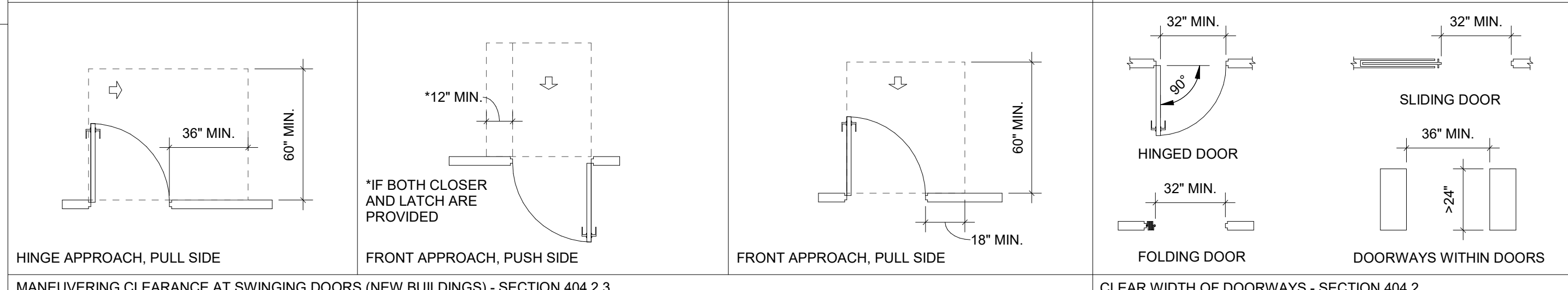
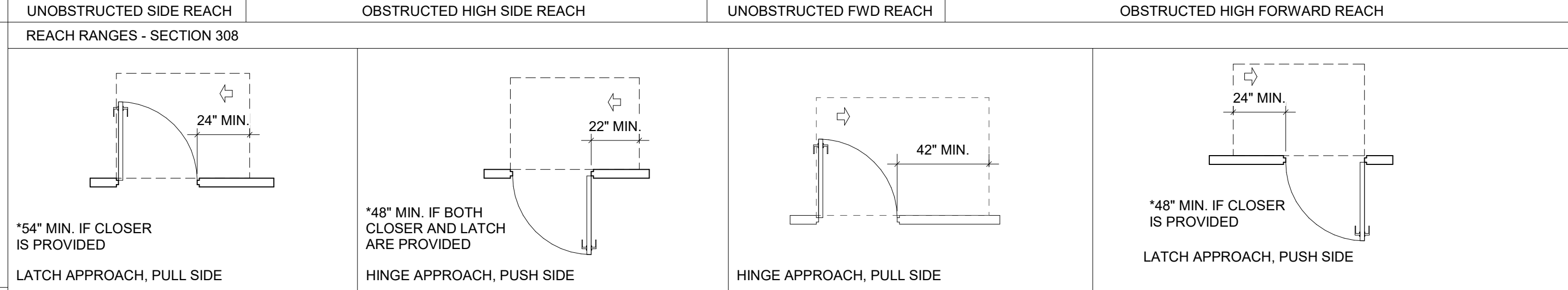
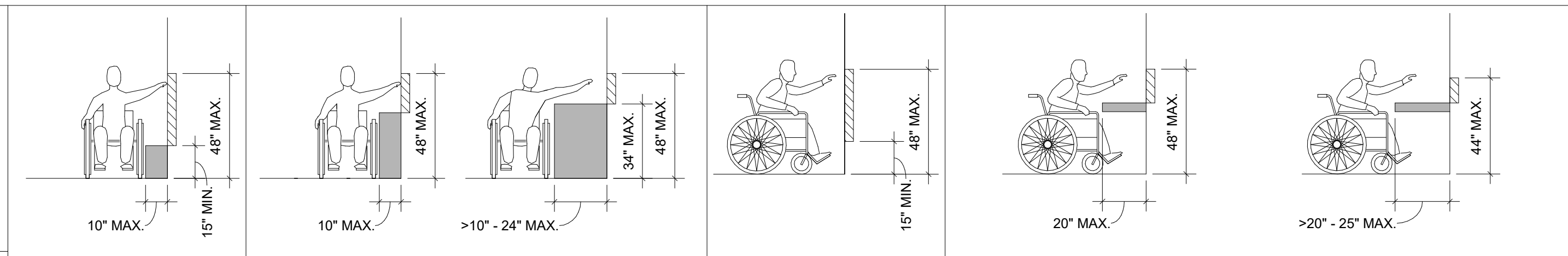
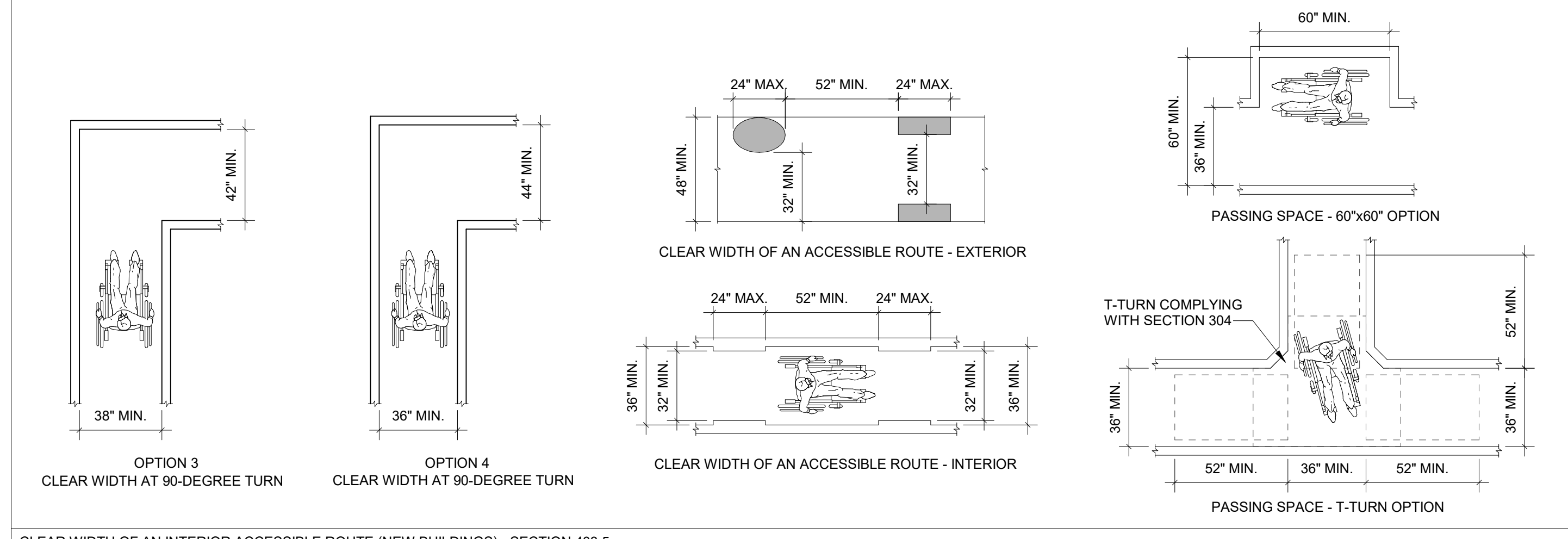
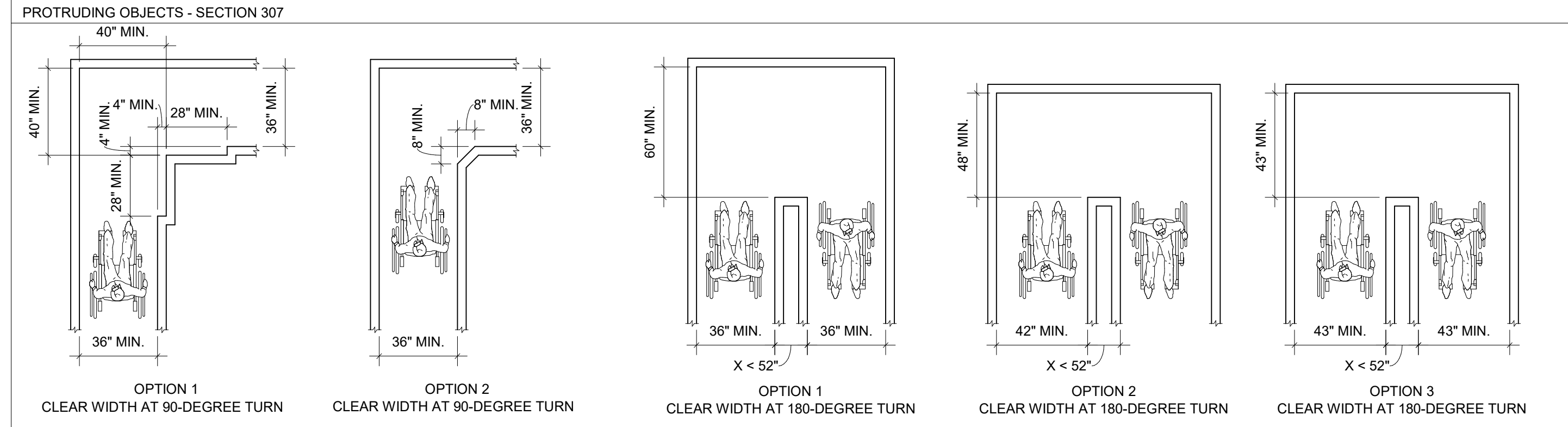
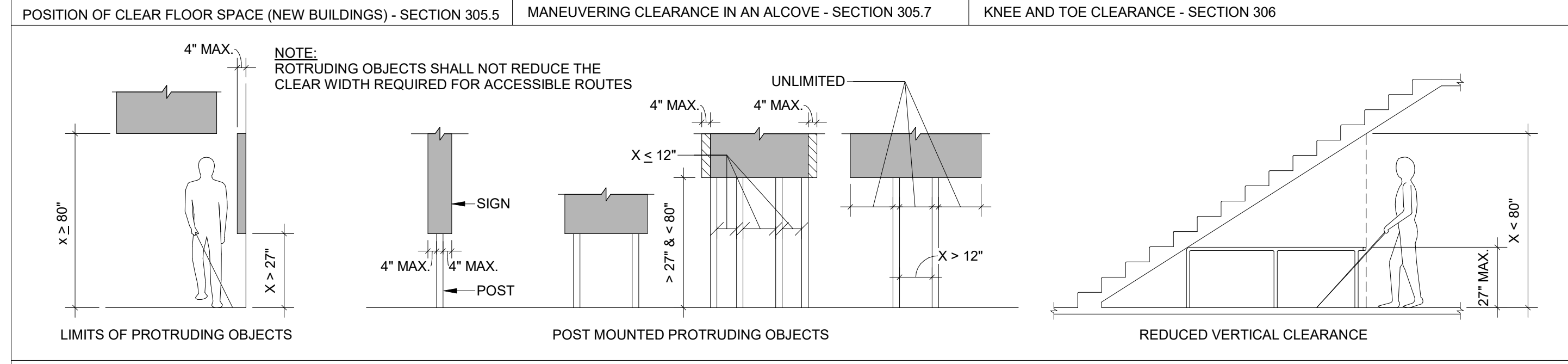
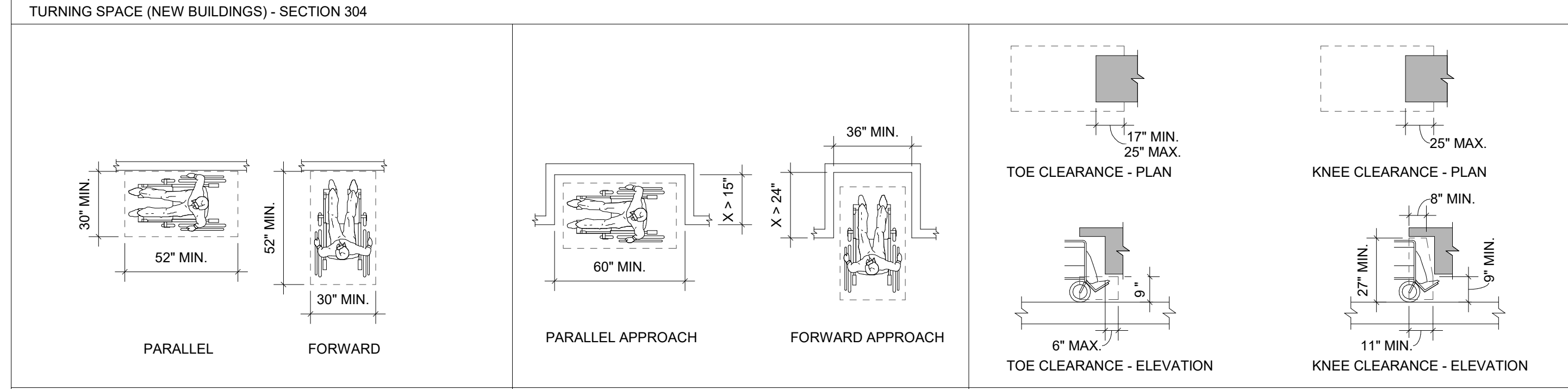
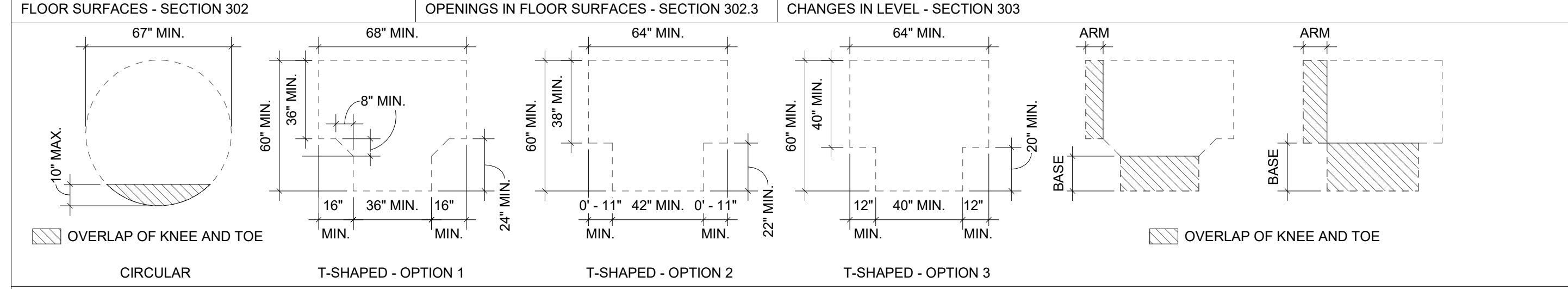
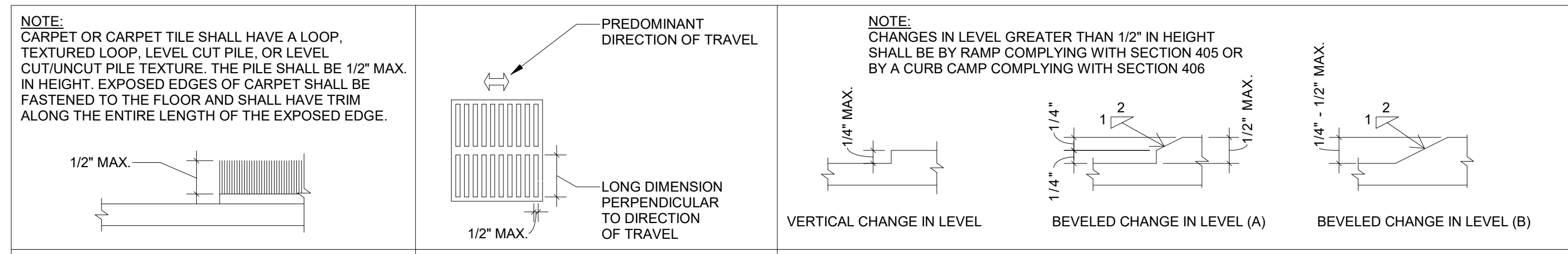
BID AND PERMIT SET



1 CODE PLAN
G1.00 1/8" = 1'-0"



ONE INCH EQUALS FULL SCALE 10/30/2024 8:43:40 AM



ICC A117.1 - 2017 NEW BUILDINGS



524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-659-2205

BANDON SCHOOL DISTRICT #54
455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOOL DISTRICT NEW BUS BARN



DATE	Description

PROJECT NO. G-1533-22
DRAWN: LJS
CHECKED: DDS
DATE: 02-13-2024

TYPICAL ADA STANDARDS

G2.00

BID AND PERMIT SET



524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-659-2205

BANDON SCHOOL DISTRICT #54
455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOOL DISTRICT NEW BUS BARN



STAIR TREADS AND RISERS - SECTION 504

STAIR NOSINGS - VERTICAL RISER CURVE OR BEVEL AT LEADING EDGE

1/2" MAX. ROUNDED
1/2" MAX. BEVEL

1 1/2" MAX.
CURVED NOSING
1 1/2" MAX.
BEVELED NOSING
30° MAX.
ANGLED RISER

TREADS AND RISERS

NOTES:
1. ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE A UNIFORM RISER HEIGHT AND UNIFORM TREAD DEPTH. OPEN RISERS SHALL NOT BE PERMITTED.
2. NOSINGS WITHIN A STAIRWAY SHALL BE UNIFORM.
3. NOSINGS THAT PROJECT BEYOND RISERS SHALL HAVE THE UNDERSIDE OF THE LEADING EDGE CURVED OR BEVELED.
4. VISUAL CONTRAST SHALL COMPLY WITH EITHER A OR B:
A. THE LEADING 1" - 2" OF EVERY TREAD AND LANDING, MEASURED HORIZONTALLY FROM THE LEADING EDGE OF THE NOSING, SHALL CONSIST OF A SOLID COLOR HAVING VISUAL CONTRAST OF DARK-ON-LIGHT OR LIGHT-ON-DARK FROM THE REMAINDER OF THE TREAD. THE CONTRASTING MARKING SHALL BE DURABLE AND SHALL EXTEND FROM ONE SIDE OF EACH TREAD TO THE OTHER SIDE OF EACH TREAD.
B. DURABLE DISTINCTIVE WARNING MARKINGS REQUIRED BY THE ADOPTED BUILDING CODE OR ANSI SAFETY STANDARD.

WATER CLOSET CLEARANCE SIZE - SECTION 604.3

60" MIN. WALL HUNG
59" MIN. FLOOR MOUNT

NOTE: THE REQUIRED CLEARANCE AROUND THE WATER CLOSET SHALL BE PERMITTED TO OVERLAP THE WATER CLOSET, ASSOCIATED GRAB BARS, PAPER DISPENSERS, SANITARY NAPKIN RECEPTACLES, COAT HOOKS, SHELVES, ACCESSIBLE ROUTES, CLEAR FLOOR SPACE AT OTHER FIXTURES AND THE TURNING SPACE. NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE WITHIN THE REQUIRED WATER CLOSET CLEARANCE.

DOOR SWINGING IN ON FRONT WALL OF PARTITION

56" MIN. OR 4" MAX.

DOOR SWINGING IN ON SIDE WALL OF PARTITION

WALL HUNG OR 52" MIN. OR 55" MIN. FLOOR MOUNTED
4" MAX.

DOOR SWING INTO THE WHEELCHAIR TOILET COMPARTMENT

60" MIN.

56" MIN. WALL HUNG (ADULT)
59" MIN. FLOOR MOUNTED (ADULT)
59" MIN. WALL & FLOOR MOUNT (CHILDREN)

TOE CLEARANCE - PLAN

8"

TOE CLEARANCE - ELEVATION

8"

DOOR SHALL NOT SWING INTO THE REQUIRED MINIMUM AREA OF THE COMPARTMENT

HANDRAILS - SECTION 505

34" MIN. - 38" MAX.
12" MIN.
12" MAX.
34" MIN. - 38" MAX.
12" MIN.
1" - 12" MAX.
1-1/2" MIN. CLR.

CONTINUE TO SLOPE FOR THE DEPTH OF ONE TREAD BEYOND THE BOTTOM RISER

STAIR HANDRAIL & EXTENSIONS
RAMP HANDRAIL & EXTENSIONS
HANDRAIL CLEARANCE

NOTES:
1. HANDRAILS SHALL BE PROVIDED ON BOTH SIDES OF STAIRS AND RAMPS.
2. HANDRAILS SHALL BE CONTINUOUS WITHIN FULL LENGTH OF EACH STAIR FLIGHT OR RAMP RUN. INSIDE HANDRAILS ON SWITCHBACK OR DOGLEG STAIRS OR RAMPS SHALL BE CONTINUOUS BETWEEN FLIGHT FLIGHTS AND RUNS.
3. HANDRAIL HEIGHT SHALL BE MEASURED VERTICALLY ABOVE NOSINGS, RAMP SURFACES AND WALKING SURFACES.
4. GRIPPING SURFACES SHALL BE CONTINUOUS, WITHOUT INTERRUPTION BY NEWEL POSTS, OTHER CONSTRUCTION ELEMENTS, OR OBSTRUCTIONS.
5. HANDRAIL CROSS SECTIONS:
A. CIRCULAR: 1 1/4" MIN. - 2" MAX.
B. NONCIRCULAR PERIMETER: 4" MIN. - 6 1/4" MAX.
C. NONCIRCULAR CROSS SECTION: 2 1/4" MAX.
6. HANDRAIL EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR FLOOR, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT RAMP RUN OR AN ADJACENT STAIR FLIGHT.

AMBULATORY ACCESSIBLE TOILET COMPARTMENT - SECTION 604.10

60" MIN.
35" MIN.
37" MAX.
17" MIN. - 19" MAX.
42" MIN.

WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT & DOOR OPENING LOCATION - SECTION 604.9

36" MIN. Back wall
Seat wall
Control wall
36" MIN.
52" MIN.
36" MIN.
38" MIN.
52" MIN.
4" MAX.
8" MIN.
11" MIN. KNEE CLEARANCE
27" MIN.
9" MIN.

LAVATORY CLEAR FLOOR SPACE

13 1/2" MIN.
13 1/2" MIN.
17" MAX.

LAVATORY KNEE AND TOE CLEARANCE

52" MIN.
30" MIN.

TRANSFER-TYPE COMPARTMENT CLEARANCES (NEW BUILDINGS) - SECTION 608

DRINKING FOUNTAINS - SECTION 602

5" MAX.
15" MIN.
ADULT
30" MIN.
52" MIN.

CLEAR FLOOR SPACE & SPOUT LOCATION

30" MAX.
36" MAX.
CHILDREN
ADULT

WHEELCHAIR DRINKING FOUNTAIN SPOUT HEIGHT & LOCATION

38" MIN. - 43" MAX.
STANDING USE
ADULT
30" MIN. - 43" MAX.
STANDING USE
CHILDREN

STANDING USE DRINKING FOUNTAIN SPOUT HEIGHT & LOCATION

NOTE: WHERE BOTTLE FILLING STATIONS ARE PART OF THE DRINKING FOUNTAIN FOR PERSONS WHO ARE STANDING, THE BOTTLE FILLING STATION IS NOT REQUIRED TO COMPLY WITH THIS SECTION PROVIDED A BOTTLE FILLING STATION IS LOCATED AT THE DRINKING FOUNTAIN FOR PERSONS USING WHEELCHAIRS.

URINALS - SECTION 605

13 1/2" MIN.
13 1/2" MIN.
17" MAX.

WALL HUNG TYPE

STALL TYPE

LAVATORIES - SECTION 606

TRANSFER-TYPE COMPARTMENT CLEARANCES (NEW BUILDINGS) - SECTION 608

TYPICAL MOUNTING REQUIREMENTS

FIXTURES	DIM#	MOUNTING HEIGHT
REAR WALL GRAB BAR	A	36" MIN IN LENGTH
REAR WALL GRAB BAR	B	EXTEND 42" MIN FROM THE SIDE WALL
TOILET	C	16" MIN - 18" MAX TO CENTER FROM SIDE WALL
URINAL (ADA)	D	17" TO RIM A.F.F.
URINAL	D	24" TO RIM A.F.F.
SINK (ADA)	E	34" MAX TO THE HIGHER OF THE RIM OR COUNTER SURFACE
MIRROR	F	40" MAX TO BOTTOM EDGE OF REFLECTING SURFACE
HORIZONTAL GRAB BAR	G	33" MIN - 36" MAX HEIGHT A.F.F. TO T.O. GRIPPING SURFACE
VERTICAL GRAB BAR	H	39" MIN - 41" MAX HEIGHT A.F.F.
VERTICAL GRAB BAR	I	18" MIN IN LENGTH
SIDE WALL GRAB BAR	J	12" MAX FROM REAR WALL
SIDE WALL GRAB BAR	K	42" MIN IN LENGTH
SIDE WALL GRAB BAR	L	EXTEND 54" MIN FROM REAR WALL
VERTICAL GRAB BAR	M	39" MIN - 41" MAX FROM THE REAR WALL TO CENTERLINE OF BAR
TOILET	N	17" MIN - 19" MAX TO T.O. SEAT A.F.F.
TOILET PAPER AND SANITARY NAPKIN DISPENSER	O	18" MIN. TO OUTLET OF DISPENSOR A.F.F.
TOILET PAPER AND SEAT COVER DISPENSER	P	1 1/2" MIN. FROM B.O. GRAB BAR
TOILET PAPER DISPENSER	Q	24" MIN - 36" MAX FROM WALL TO OUTLET OF DISPENSOR
TOILET PAPER DISPENSER	R	42" MAX FROM WALL TO OUTLET OF DISPENSOR
ACCESSORY DISPENSERS	S	48" MAX A.F.F. TO HIGHEST OPERABLE PARTS OR 44" MAX A.F.F. IF OVER AN OBSTRUCTION W/ A DEPTH OF >20"
BABY CHANGING TABLE	T	28" MIN - 34" MAX HEIGHT A.F.F.

SIGNAGE, IDENTIFICATION & INTERNATIONAL SYMBOLS OF ACCESSIBILITY - SECTION 703

NOTE: LETTERS AND NUMBERS ON SIGNS SHALL BE RAISED 1/32" MIN. AND SHALL BE SANS-SERIF UPPERCASE CHARACTERS ACCOMPANIED BY CONTRACTED GRADE 2 BRAILLE WITH A CONTRASTING BACKGROUND.

PICTOGRAMS SHALL HAVE A NONGLARE FINISH AND SHALL CONTRAST WITH THEIR FIELDS

HEIGHT OF CHARACTERS SHALL BE 5/8" MIN. TO 2" MAX.

BRaille SHALL BE CONTRACTED GRADE II

GENERAL SIGNAGE REQUIREMENTS

6" MIN. FIELD

6" MAX.

3"

9"

15" MIN.
48" MAX.

15" MIN.
48" MAX.

15" MIN.
48" MAX.

7"-0"

15" MIN.
48" MAX.

HOSE BIBB

15" MAX.

48" MAX.

CLOCK

TACK, CHALK, OR DRY MARKER BOARD

CLOSET ROD

SHELF AND ROD

COAT HOOKS

RAISED CHARACTERS SHALL BE 48" MIN. A.F.F. MEASURED TO BASELINE OF LOWEST RAISED CHARACTER AND 60" MAX. A.F.F. TO THE HIGHEST RAISED CHARACTER

RESTROOM SIGN LOCATION

SIGN SHALL BE PROVIDED ON LATCH SIDE OF DOOR

EXIT SIGNS, LIGHT SWITCHES & OUTLETS

9"

15" MIN.
48" MAX.

3"

7"

15" MIN.
48" MAX.

9"

15" MIN.
48" MAX.

WITHIN 5 FT OF EACH EXIT DOORWAY ON EACH FLOOR

FIRE APPLIANCES

42" MIN.
48" MAX.

80" MIN. - 96" MAX.

4"-0"

FIRE ALARM PULL
ALARM STROBE
FIRE EXTINGUISHER OR FIRE HOSE CAB

MISCELLANEOUS MOUNTING HEIGHTS

7"-0"

15" MIN.
48" MAX.

HOSE BIBB

15" MAX.

48" MAX.

CLOCK

TACK, CHALK, OR DRY MARKER BOARD

CLOSET ROD

SHELF AND ROD

COAT HOOKS



DATE	Description

PROJECT NO. G-1533-22
DRAWN: LJS
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TYPICAL ADA STANDARDS

G2.10

BANDON SCHOOL DISTRICT NEW BUS BARN

BANDON, OR 97411



127 NW D Street, Grants Pass, Oregon 97526 | 541-479-3865

BANDON SCHOOL DISTRICT #54
455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOOL DISTRICT NEW BUS BARN



CIVIL LEGEND

- HATCHES & LINE TYPES:**
- NEW CONCRETE PAVING - UN-REINFORCED
 - NEW CONCRETE PAVING - REINFORCED
 - NEW GRAVEL PAVING
 - NEW RIP RAP
 - EXISTING DRAINAGE SWALE
 - EXISTING WATER - POTABLE
 - NEW WATER - POTABLE
 - NEW POWER - BURIED
 - EXISTING FENCING
 - NEW FENCING
 - NEW SANITARY SEWER - GRAVITY
 - NEW SANITARY SEWER - FORCE MAIN
 - NEW STORM SEWER

- SYMBOLS (NEW):**
- GRADE SPOT ELEVATION
 - GRADING SLOPE
 - CLEANOUT TO GRADE
 - SANITARY SEWER LIFT STATION/PUMP
 - CATCH BASIN
 - BOLLARD

- SYMBOLS (EXISTING):**
- GRADE SPOT ELEVATION
 - SANITARY SEWER MANHOLE
 - SANITARY SEWER CLEANOUT
 - STORM DRAIN MANHOLE
 - CATCH BASIN
 - WATER METER
 - WATER VALVE
 - FIRE HYDRANT
 - POWER TRANSFORMER
 - POWER METER
 - SITE LIGHT

ABBREVIATIONS

APWA	AMERICAN PUBLIC WORKS ASSOCIATION
ASTM	AMERICAN STANDARD TEST METHOD
AWWA	AMERICAN WATER WORKS ASSOCIATION
AC	ASPHALT
BOSW	BACK OF SIDEWALK
BWV	BACK WATER VALVE
BMP	BEST MANAGEMENT PRACTICE
BOS	BOTTOM OF STAIR
BOW	BOTTOM OF WALL
CB	CATCH BASIN
CO	CLEANOUT RISER
CONC	CONCRETE
DEQ	DEPARTMENT OF ENVIRONMENTAL QUALITY
DWG	DRAWING
DIP	DUCTILE IRON PIPE
(EC)	ECCENTRIC CONE MANHOLE
EPA	ENVIRONMENTAL PROTECTION AGENCY
ESC	EROSION AND SEDIMENT CONTROL
(E)	EXISTING
EG	EXISTING GRADE
FEE	FINISHED FLOOR ELEVATION
FG	FINISHED GRADE
FDC	FIRE DEPARTMENT CONNECTION
FL	FLOW LINE
GC	GENERAL CONTRACTOR
GB	GRADE BREAK
GRVL	GRAVEL
GRD	GROUND
HDPE	HIGH-DENSITY POLYETHYLENE
HMAC	HOT MIX ASPHALT CONCRETE
IE	INVERT ELEVATION
LF	LINEAL FEET
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
MAX	MAXIMUM
MIN	MINIMUM
(N)	NEW
NAVD	NORTH AMERICAN VERTICAL DATUM
ODOT	OREGON DEPARTMENT OF TRANSPORTATION
OSSC	OREGON STRUCTURAL SPECIALTY CODE
PPNL	PACIFIC POWER CORP
PG	PERFORMANCE GRADE
PVC	POLYVINYL CHLORIDE
(P)	PROPOSED
ROW	RIGHT-OF-WAY
SSCO	SANITARY SEWER CLEANOUT
SW	SIDEWALK
TOC	TIME OF CONSTRUCTION
TBC	TOP OF BACK OF CURB
TFC	TOP OF FACE OF CURB
TOS	TOP OF STAIR
TOW	TOP OF WALL
TYP	TYPICAL
UPC	UNIFORM PLUMBING CODE

PROJECT INFORMATION

PROJECT TEAM

OWNER REPRESENTATIVE
SHAUNA SCHMERER
BANDON SCHOOL DISTRICT #54
455 9TH STREET SW
BANDON, OR 97411
(541) 347-4411

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CONTACT: DAN SALTEE, AIA
ZCS ENGINEERING & ARCHITECTURE
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ENGINEER OF RECORD
SYLAS E. ALLEN, PE
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SCOTT PARTNEY CONSTRUCTION
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NORTH BEND, OR 97459
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SEWER PROVIDER
CITY OF BANDON
PUBLIC WORKS
555 US-101
BANDON, OR 97411
(541) 347-2437

SURVEYOR
JOHN R. PARIANI, PLS
PARIANI LAND SURVEYING, LLC
17 SOUTH PLATT AVE, SUITE C
EAGLE POINT, OR 97524
(541) 890-1131

LOT INFORMATION:

SITE LOCATION: 390 9TH STREET SW
BANDON, OR 97411

TAX MAP: T28S-R15W-S25DA

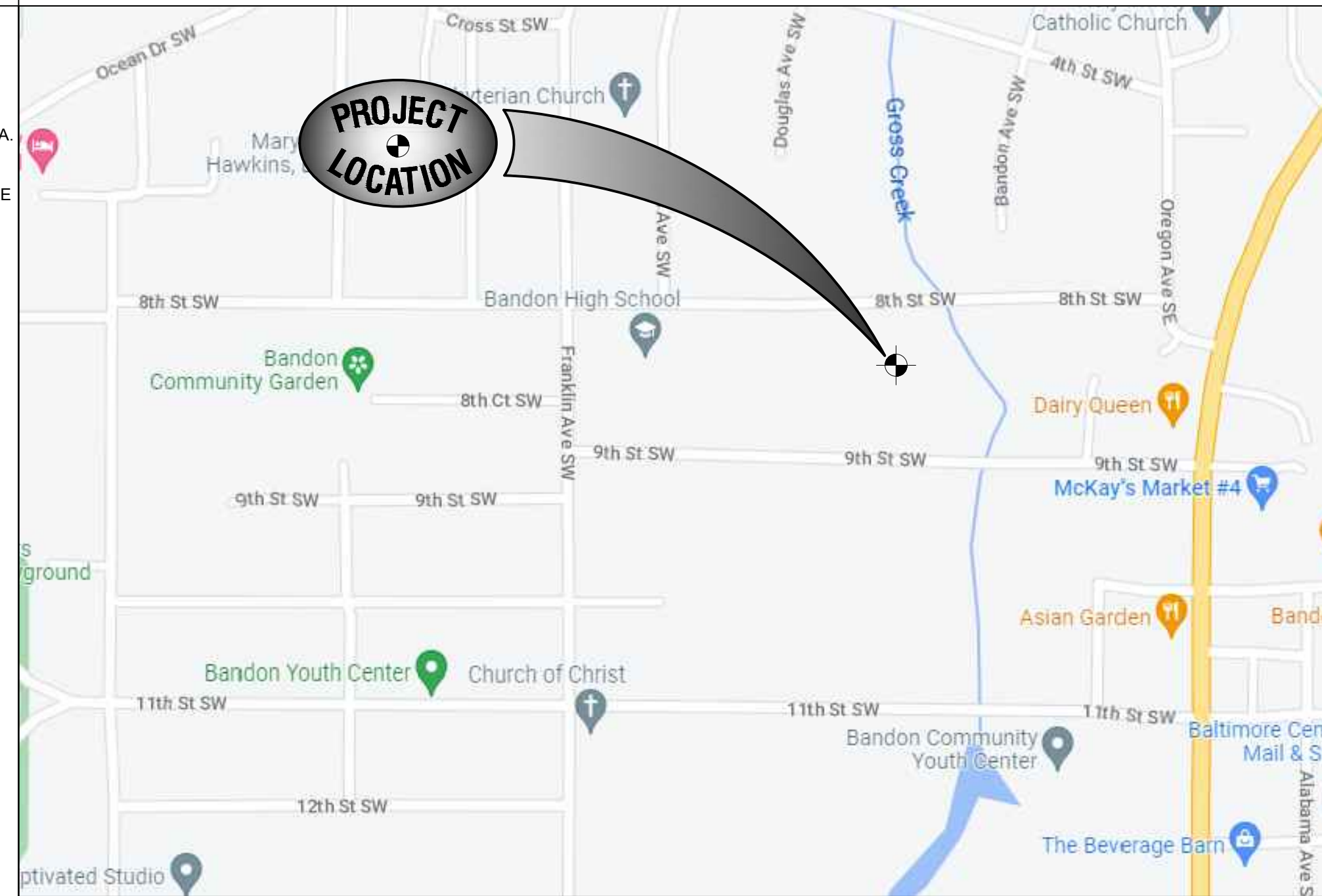
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SITE ACREAGE: ±5.35 ACRES

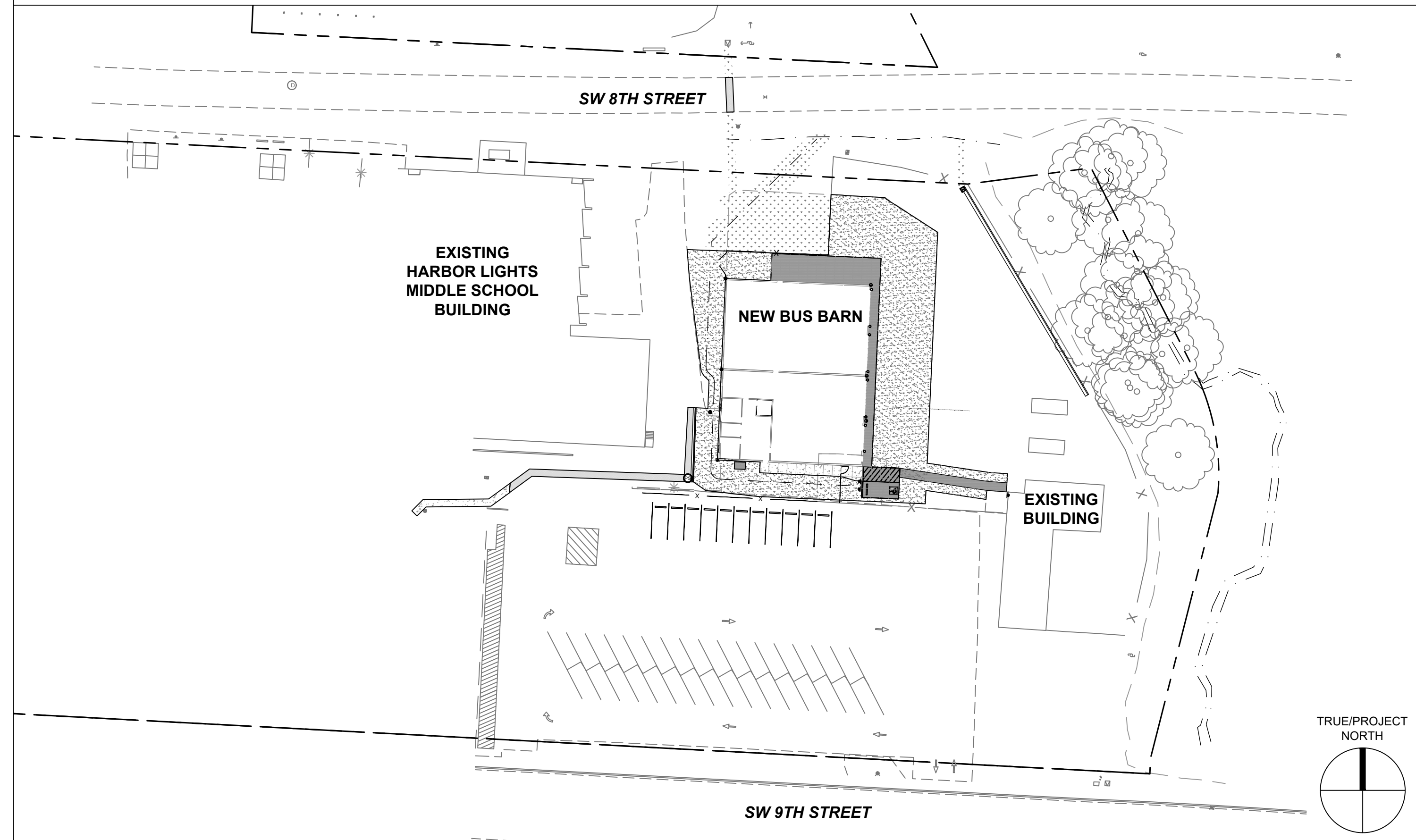
ZONING: PF - PUBLIC FACILITY

ATTENTION:
OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (503) 232-1987).

VICINITY MAP

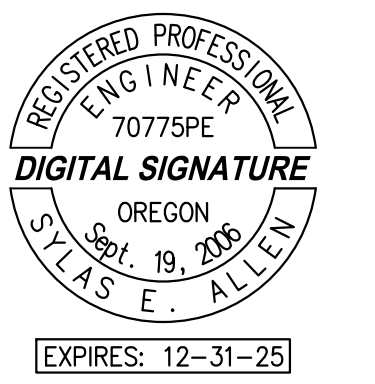


SITE PLAN



SHEET INDEX

C0.00	CIVIL COVER SHEET
C0.01	GENERAL CIVIL NOTES
C0.02	EROSION AND SEDIMENT CONTROL NOTES
C1.00	EXISTING CONDITIONS, DEMOLITION, AND EROSION AND SEDIMENT CONTROL PLAN
C2.00	CIVIL SITE, FENCING, STRIPING, AND SIGNAGE PLAN
C3.00	GRADING, DRAINAGE, AND UTILITY PLAN
C4.00	PRIVATE CIVIL DETAILS
C5.00	AGENCY STANDARD DETAILS



REVISION ID:	DATE:

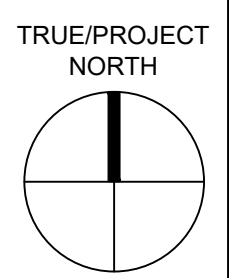
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DATE: 02-13-24

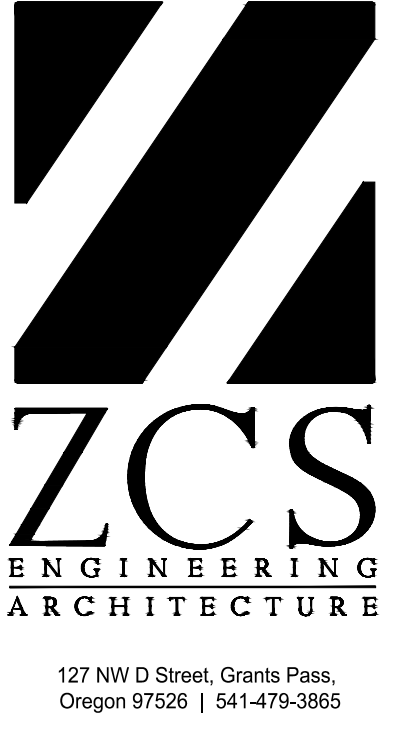
CIVIL COVER SHEET

C0.00

BID AND PERMIT SET

ONE INCH EQUALS FULL SCALE

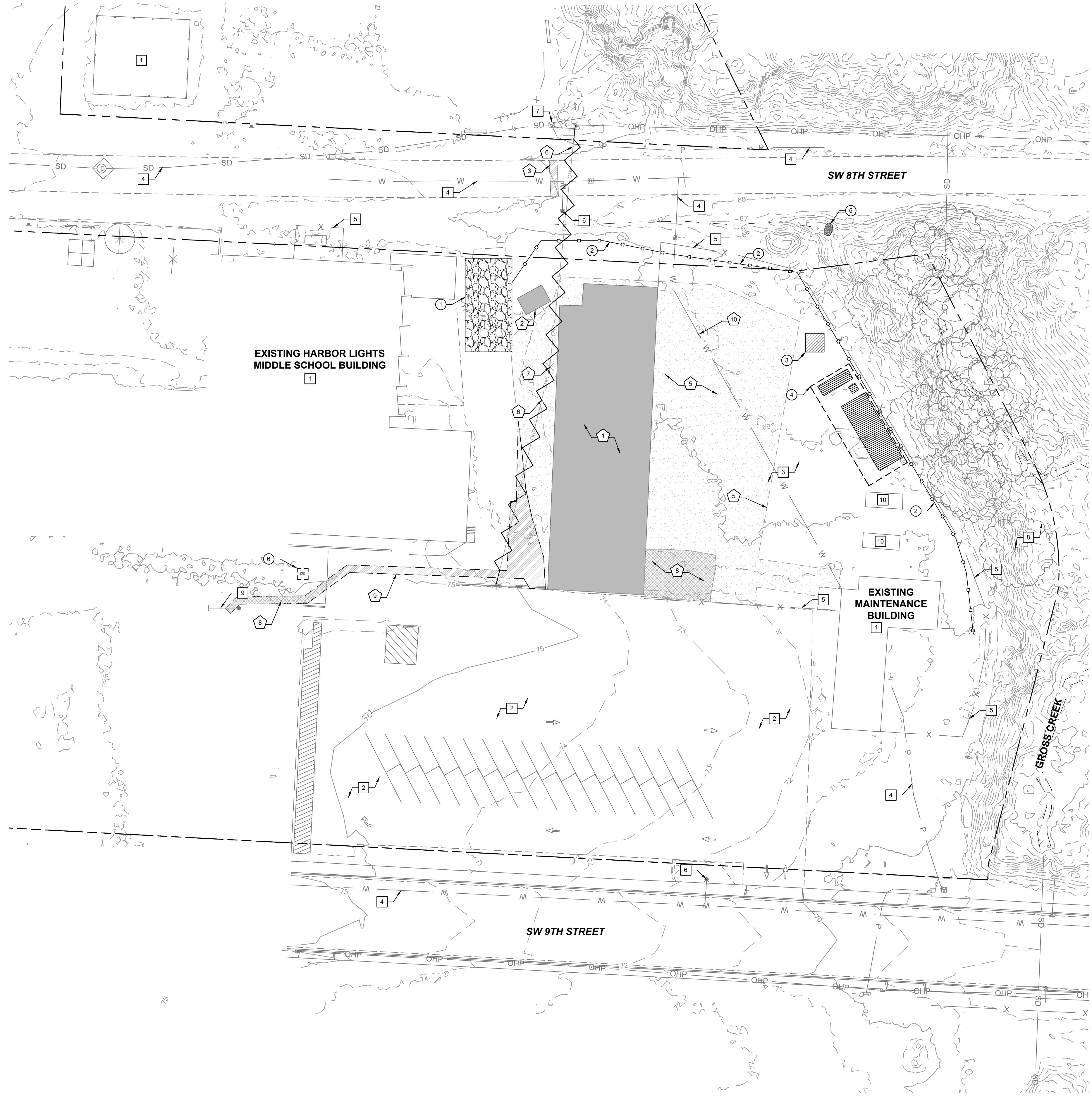




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BANDON SCHOOL DISTRICT #54
455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOOL DISTRICT NEW BUS BARN



- EROSION CONTROL LEGEND**
- TEMPORARY CONSTRUCTION ENTRANCE
 - CONCRETE TRUCK WASH OUT PER ODOT RD1070
 - SEDIMENT FENCE
 - STRAW WATTLE
 - INLET PROTECTION - CATCH BASIN

- DEMOLITION LEGEND:**
- EXISTING STRUCTURE TO BE REMOVED
 - EXISTING ASPHALT PAVING TO BE REMOVED AND RECYCLED
 - EXISTING CONCRETE TO BE REMOVED AND RECYCLED
 - EXISTING GRAVEL PAVING TO BE REMOVED AND RECYCLED
 - EXISTING UTILITY TO REMAIN
 - EXISTING GROUND CONTOUR (1 FT)
 - EXISTING GROUND CONTOUR (5 FT)
 - EXISTING TREE TO REMAIN
 - EXISTING STRUCTURE TO REMAIN

EROSION CONTROL NOTES:

GENERAL EROSION CONTROL NOTES:

- ***ALL EROSION AND SEDIMENT CONTROL MEASURES ON SLOPES, AND AT CULVERT INLETS/OUTLETS SHALL REMAIN IN PLACE UNTIL ALL PHASES OF CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED.
- ***ALL NEW STORM DRAIN SYSTEM CATCH BASINS AND INLETS SHALL HAVE INLET PROTECTION INSTALLED PER ODOT STANDARD DRAWING RD1010 AFTER INSTALLATION AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND ASPHALT/CONCRETE/LANDSCAPING HAS BEEN INSTALLED.
- ***THESE REQUIREMENTS SHALL BE CONSIDERED A MINIMUM. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL MEASURES AS REQUIRED TO FACILITATE CONSTRUCTION. ALL COSTS FOR EROSION CONTROL MEASURES SHALL BE BORN BY THE CONTRACTOR.
- ***THIS PLAN HAS BEEN PREPARED TO ADDRESS THE OVERALL PRIMARY EROSION CONTROL MEASURES THAT MUST BE IMPLEMENTED FOR CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ADJUST SPECIFIC EROSION CONTROL MEASURES TO ACCOMMODATE FOR ADDITIONAL PHASED CONSTRUCTION. ANY MODIFICATIONS TO THIS PLAN SHALL BE REVIEWED AND APPROVED BY THE AGENCIES HAVING JURISDICTION AND THE PROJECT ENGINEER PRIOR TO COMMENCEMENT OF WORK.

- EROSION AND SEDIMENT CONTROL NOTES:**
1. FURNISH AND MAINTAIN 20' WIDE BY 50' LONG CONSTRUCTION ENTRANCE PER ODOT RD1000.
 2. FURNISH AND MAINTAIN PERIMETER SEDIMENT FENCE AS SHOWN PER ODOT RD1040.
 3. FURNISH AND MAINTAIN CONCRETE TRUCK WASH OUT PER ODOT RD1070.
 4. APPROXIMATE LOCATION OF CONTRACTOR LAYDOWN, TRAILER, AND PARKING.
 5. FURNISH AND MAINTAIN STRAW WATTLE AS SHOWN PER ODOT 1006.
 6. FURNISH AND MAINTAIN "TYPE 3" INLET PROTECTION PER ODOT RD1010 AT ALL ON-SITE CATCH BASINS.

DEMOLITION AND PROTECTION NOTES:

GENERAL DEMOLITION AND PROTECTION NOTES:

- *** CONTRACTOR SHALL FIELD VERIFY LIMITS OF ASPHALT/CONCRETE/ETC. DEMOLITION AND ADJUST AS REQUIRED.
- *** PROVIDE SMOOTH VERTICAL SAWCUT AT ALL EXTERIOR LIMITS OF ASPHALT/CONCRETE/ETC. REMOVAL.
- *** UPON MOBILIZATION, CONTRACTOR SHALL POTHOLE EXISTING BURIED UTILITIES AND STRUCTURES (AS INDICATED) TO VERIFY HORIZONTAL AND VERTICAL ALIGNMENT, SIZE, AND MATERIAL.
- *** CONTRACTOR SHALL REPORT TO ENGINEER FOR DIRECTION IN EVENT OF DISCREPANCIES BETWEEN PLANS AND FIELD CONDITIONS.
- *** CONTRACTOR SHALL COORDINATE VEHICULAR AND PEDESTRIAN ACCESS REQUIREMENTS WITH OWNER PRIOR TO CONSTRUCTION.
- *** CONTRACTOR SHALL COORDINATE UTILITY SHUTOFF(S) WITH OWNER AND UTILITY PROVIDER 48 HOURS MINIMUM PRIOR TO CONSTRUCTION TO ENSURE MINIMAL SERVICE DISRUPTION DURING OPERATION HOURS.
- *** CONTRACTOR SHALL STORE SALVAGED MATERIALS ON SITE (OR AT AN APPROVED OFF SITE LOCATION) FOR REUSE.
- *** WHERE INDICATED, EXISTING STRUCTURES, HARDSCAPE, AND UTILITIES/APPURTENANCES SHALL BE PROTECTED THROUGHOUT ALL PHASES OF CONSTRUCTION.

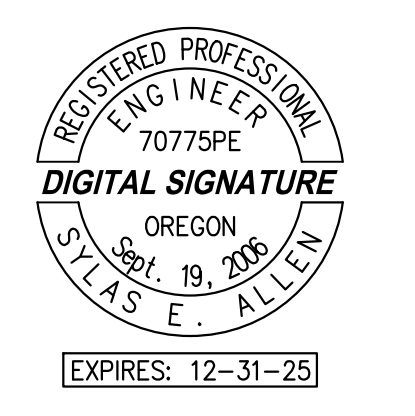
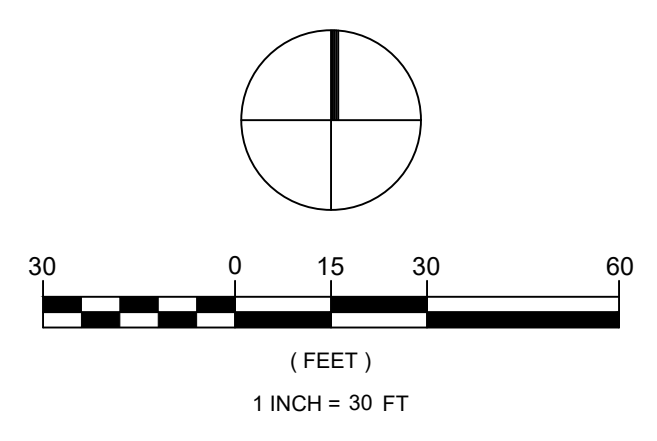
- DEMOLITION NOTES:**
1. APPROXIMATE LIMITS OF EXISTING STRUCTURE TO BE REMOVED. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR ALL INFORMATION.
 2. TRASH AND RECYCLING BINS TO BE RELOCATED. COORDINATE TEMPORARY PLACEMENT AND ACCESS WITH DISTRICT AND TRASH SERVICE DURING CONSTRUCTION.
 3. PUBLIC ASPHALT PAVING TO BE REMOVED AND RECYCLED.
 4. NOT USED.
 5. GRAVEL PAVING TO BE REMOVED AND RECYCLED AS REQUIRED. CONTRACTOR MAY ELECT TO STORE GRAVEL ON SITE FOR REUSE (IF SUITABLE MATERIAL). DASHED LINE DENOTES APPROXIMATE LIMITS.
 6. EXISTING UTILITY LINE TO BE REMOVED AND REROUTED. SEE SHEET C3.00 FOR ADDITIONAL INFORMATION.
 7. SITE LIGHT, POLE, AND ASSOCIATED OVERHEAD POWER SERVICE TO BE RELOCATED.
 8. PRIVATE CONCRETE SIDEWALK TO BE REMOVED AND RECYCLED.
 9. PRIVATE ASPHALT PAVING TO BE REMOVED AND RECYCLED.
 10. EXISTING PRIVATE WATER SERVICE TO MAINTENANCE BUILDING TO BE ABANDONED IN-PLACE UPSTREAM OF NEW CONNECTION LOCATION.

- PROTECTION NOTES:**
1. BUILDING TO REMAIN.
 2. ASPHALT PARKING AND MANEUVERING AREA TO REMAIN.
 3. GRAVEL PARKING AND MANEUVERING AREA TO REMAIN.
 4. UNDERGROUND UTILITY TO REMAIN, TYPICAL.
 5. FENCING, POSTS, AND GATE(S) TO REMAIN.
 6. PUBLIC FIRE HYDRANT AND BOLLARD PROTECTION TO REMAIN.
 7. PAD MOUNTED POWER TRANSFORMER TO REMAIN.
 8. TREE TO REMAIN, TYPICAL.
 9. APPROXIMATE LOCATION OF EXISTING SANITARY SEWER.
 10. TEMPORARY STORAGE CONTAINER.

ONE INCH EQUALS FULL SCALE

1 EXISTING CONDITIONS, DEMOLITION, AND EROSION AND SEDIMENT CONTROL PLAN

1"=30'



REVISION ID:	DATE:

PROJECT NO: G-1533-22
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 CHECKED: LGG
 DATE: 02-13-24

EXISTING CONDITIONS, DEMOLITION, AND ESC PLAN

C1.00

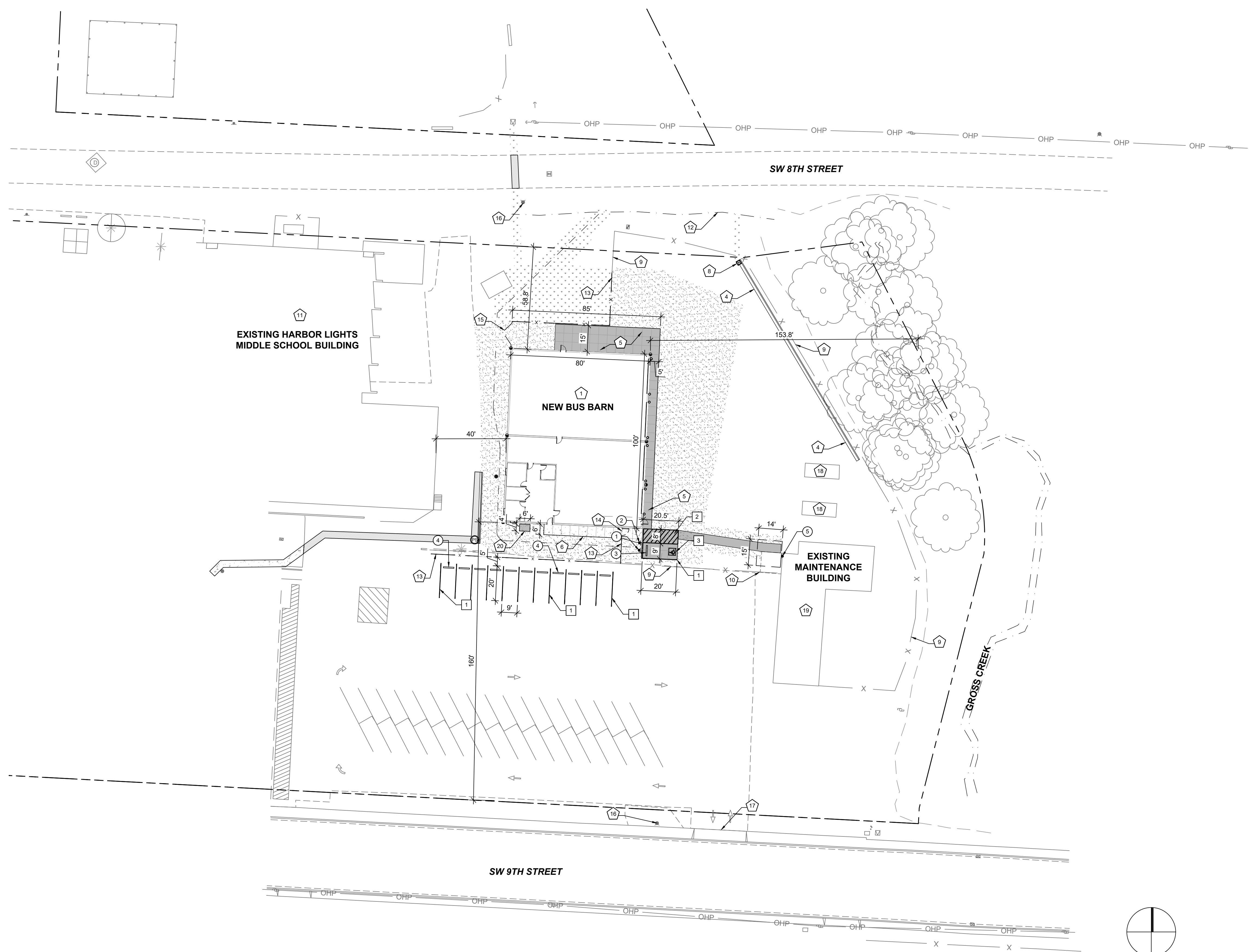
BID AND PERMIT SET



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BANDON SCHOOL DISTRICT #54
455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOOL DISTRICT NEW BUS BARN



CIVIL SITE NOTES:

- GENERAL SITE CONSTRUCTION NOTES:**
- *** ALL CONCRETE/ASPHALT/GRAVEL PAVEMENT SECTIONS SHALL BE CONSTRUCTED OVER 'PROPEX' 'GEOTEX 200ST' WOVEN | 'GEOTEX 651' NON-WOVEN PERMEABLE GEOTEXTILE SUPPORT FABRIC OVER HARD AND UNYIELDING SUBGRADE. REFER TO PROJECT GEOTECHNICAL REPORT AND SITE PREPARATION NOTES FOR ADDITIONAL INFORMATION REGARDING PAVEMENT AND SUBGRADE PREPARATION.
 - *** CONTRACTOR SHALL FIELD VERIFY LIMITS OF REQUIRED ASPHALT MAINTENANCE AND ADJUST AS REQUIRED. COORDINATE LIMITS WITH ENGINEER AND OWNER DURING CONSTRUCTION.
 - *** TRANSITION BETWEEN NEW AND EXISTING ASPHALT/CONCRETE/CURB SHALL BE FLUSH AND FREE FROM ABRUPT CHANGES IN HEIGHT.
 - *** STAIRS AND ACCESSIBLE RAMPS SHALL BE CONSTRUCTED IN CONFORMANCE WITH CURRENT OSSC STANDARDS. RAMP SLOPES SHALL NOT EXCEED 8.33% WITH LANDINGS NOT TO EXCEED 2.0%.
 - *** PROVIDE SUBMITTALS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIALS.

SITE CONSTRUCTION NOTES:

- NEW BUS BARN. REFER TO ARCHITECTURAL PLANS FOR ALL INFORMATION.
- NOT USED.
- NEW GRAVEL PARKING AND MANEUVERING AREA. REFER TO SHEET C3.00 FOR ADDITIONAL INFORMATION.
- NEW TYPE 'A' CONCRETE CURB AND GUTTER. REFER TO SHEET C3.00 FOR ADDITIONAL INFORMATION.
- NEW REINFORCED VEHICULAR CONCRETE PAVEMENT. REFER TO SHEET C3.00 FOR ADDITIONAL INFORMATION.
- NEW CONCRETE SIDEWALK. REFER TO SHEET C3.00 FOR ADDITIONAL INFORMATION.
- NOT USED.
- NEW CATCH BASIN. SEE SHEET C3.00 FOR ADDITIONAL INFORMATION.
- EXISTING FENCING TO REMAIN.
- EXISTING 20' WIDE SLIDING GATE TO REMAIN.
- EXISTING BUILDING, NO WORK IN THIS AREA.
- EXISTING ROADSIDE BIOSWALE TO REMAIN.
- FURNISH 6' TALL CHAIN LINK FENCE TO ALIGNMENT SHOWN ON PLAN. FENCE FINISH SHALL BE GALVANIZED TO MATCH EXISTING FENCING, AS APPLICABLE.
 - SCHEDULE 40 PIPE
 - 1-5/8" TOP/BOTTOM RAILS, BRACING, AND GATE FRAMES
 - 2-3/8" LINE POSTS
 - 2-7/8" CORNER AND TERMINAL POSTS
 - EQUIP POSTS WITH LIKE KIND TOP CAP
 - 4" ON GATE LEAFS EXCEEDING 8' WIDE
 - 9 GA. CORE EXTRUDED CHAIN LINK FABRIC (4' HIGH 2" MESH OR 6' HIGH 2" MESH AS APPLICABLE)
 - KNUCKLE SELVAGE TERMINATION OF MESH FABRIC
 - 7 GA. TOP, BOTTOM, CORNER, TERMINAL POST, MID BRACING AND TRUSS ROD
 - POSTS SETS IN CONCRETE 12" X 2' DEEP.
- FURNISH 4' WIDE CHAIN LINK MAN GATE AT LOCATION SHOWN.
- FURNISH (2) 6' WIDE CHAIN LINK DOUBLE SWING VEHICLE GATE AT LOCATION SHOWN.
- EXISTING FIRE HYDRANT TO REMAIN.
- EXISTING 30' WIDE CONCRETE DRIVEWAY APPROACH TO REMAIN.
- EXISTING TEMPORARY STORAGE CONTAINERS TO REMAIN.
- ALL RESTROOM FACILITIES SHALL BE REMOVED AND SANITARY SEWER LINES SHALL BE REMOVED OR SEALED WITH WATER TIGHT PLUG.
- NEW HOUSEKEEPING PAD. SEE SHEET C3.00 FOR ADDITIONAL INFORMATION.

STRIPING AND SIGNAGE NOTES:

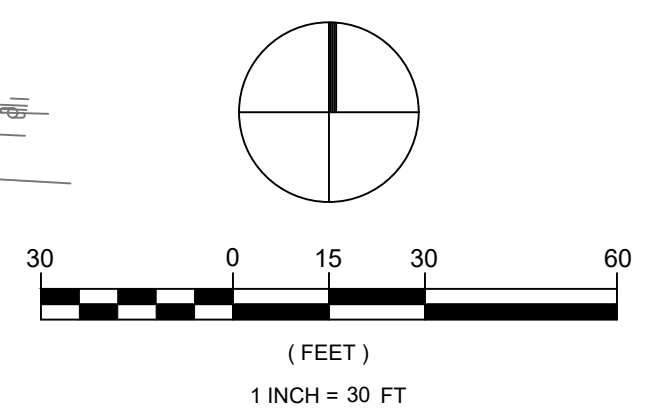
- GENERAL STRIPING AND SIGNAGE NOTES:**
- *** ALL STANDARD ON-SITE PAINTED STRIPING SHALL BE FAST DRYING "TRAFFIC LINE PAINT" CONFORMING TO THE 2021 STATE OF OREGON APWA / ODOT STANDARD SPECIFICATIONS FOR CONSTRUCTION. ALL STRIPING SHALL BE APPLIED TWICE.
 - *** ALL STRIPING, SIGNS, LETTERS, AND ARROWS SHALL CONFORM TO THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD).
 - *** ALL ACCESSIBLE PARKING STRIPING AND SIGNAGE SHALL COMPLY WITH CURRENT ADA STANDARDS FOR ACCESSIBLE DESIGN.
 - *** PROVIDE SUBMITTALS FOR ALL SIGNS AND PARKING BUMPERS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIALS.

STRIPING NOTES:

- PAINT 4" SOLID WHITE STRIPING ANGLED AT 90° FROM PARALLEL, TYPICAL.
- PAINT 4" SOLID WHITE STRIPING ROTATED AT 36° FROM PARALLEL SPACED 2' ON CENTER, TYPICAL.
- PAINT BLUE AND WHITE ACCESSIBLE SYMBOL IN PARKING SPACES AS SHOWN PER CURRENT ADA STANDARDS FOR ACCESSIBLE DESIGN (1 TOTAL) SIMILAR TO DETAIL 1 ON C4.00.

SIGNAGE NOTES:

- FURNISH ACCESSIBLE PARKING SIGN WITH 'VAN ACCESSIBLE' DESIGNATION (MUTCD 'R7-8P') (1 TOTAL) SIMILAR TO DETAIL 1 ON SHEET C4.00.
- FURNISH ACCESSIBLE PARKING 'ACCESS AISLE NO PARKING' SIGN WITH INDICATOR SIGN AS APPLICABLE (1 TOTAL) SIMILAR TO DETAIL 1 ON SHEET C4.00.
- FURNISH 'BARCO PREMIUM BLUE WHEELSTOP' OR APPROVED EQUAL INSTALLED PER MANUFACTURER INSTALLATION INSTRUCTIONS, TYPICAL (1 TOTAL).
- FURNISH 'BARCO PREMIUM YELLOW WHEELSTOP' OR APPROVED EQUAL INSTALLED PER MANUFACTURER INSTALLATION INSTRUCTIONS, TYPICAL (11 TOTAL).
- FURNISH 'AREA OF REFUGE' SIGN (1 TOTAL).



ONE INCH EQUALS FULL SCALE

1 CIVIL SITE, FENCING, STRIPING AND SIGNAGE PLAN

C2.00

1"=30'



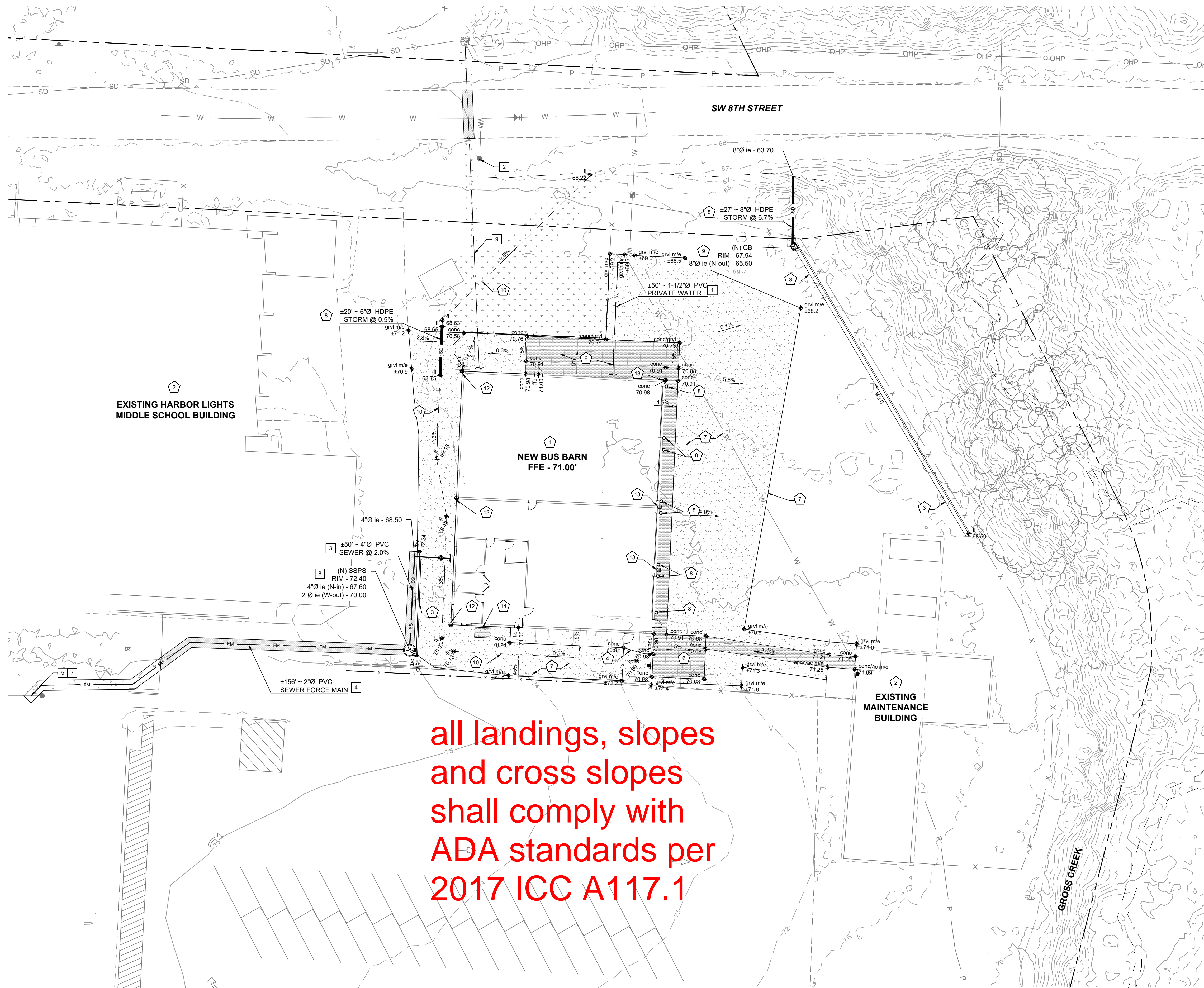
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CIVIL SITE, FENCING, STRIPING, AND SIGNAGE PLAN

C2.00

BID AND PERMIT SET



all landings, slopes
and cross slopes
shall comply with
ADA standards per
2017 ICC A117.1

GRADING AND DRAINAGE NOTES:

- GENERAL DRAINAGE NOTES:**
 *** ALL STORM AREA DRAINS AND CATCH BASINS SHALL HAVE A MINIMUM 24" SUMP BELOW THE OUTLET INVERT ELEVATION AND BE EQUIPPED WITH A HOOD AND TRAP.
 *** UPON MOBILIZATION CONTRACTOR SHALL POTHOLE TO VERIFY VERTICAL AND HORIZONTAL ALIGNMENT, SIZE, AND MATERIAL OF EXISTING PIPES/STRUCTURES FOR TIE-IN PURPOSES. REPORT TO ENGINEER IN EVENT OF DISCREPANCY.
 *** PROVIDE SUBMITTALS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIALS.

SITE CONSTRUCTION NOTES:

- VERIFY LIMITS OF BUILDING FOOTPRINT WITH ARCHITECTURAL AND STRUCTURAL PLANS PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IN THE EVENT OF DISCREPANCIES.
- EXISTING BUILDING. NO WORK IN THIS AREA.
- CONSTRUCT TYPE 'A' CONCRETE CURB AND GUTTER PER DETAIL 3 ON SHEET C4.00.
- CONSTRUCT NEW 4" THICK UN-REINFORCED CONCRETE SIDEWALK PER DETAIL 2 AND 4 ON SHEET C4.00. SCORING PATTERN APPROXIMATELY AS SHOWN.
- NOT USED.
- CONSTRUCT NEW 6" THICK REINFORCED CONCRETE PAVEMENT PER DETAIL 9 ON C4.00. SCORING PATTERN APPROXIMATELY AS SHOWN.
- KEY IN NEW GRAVEL PAVEMENT SECTION. MINIMUM SECTION CONSISTS OF 8" OF 3/4" MINUS OVER EXISTING GRAVEL. MINIMUM 3" DEPTH OF REMOVAL AND REPLACEMENT OF GRAVEL PAVEMENT.
- CONSTRUCT NEW BOLLARD IN APPROXIMATE LOCATION SHOWN PER DETAIL 10 ON SHEET C4.00. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION. BUILDING FOUNDATION IS DESIGN BUILD. CONTRACTOR TO COORDINATE ANY CONFLICT BETWEEN BOLLARD FOOTING AND BUILDING FOUNDATION WITH STRUCTURAL ENGINEER.

DRAINAGE CONSTRUCTION NOTES:

- INSTALL STORM PIPE IN TRENCH PER DETAIL 5 ON SHEET C4.00. STORM PIPE SHALL DRAIN TO EXISTING BIOSWALE.
- CONSTRUCT 24" SQUARE CONCRETE CATCH BASIN WITH H-20 LOAD RATED FRAME AND BICYCLE PROOF GRATE PER DETAIL 8 ON SHEET C4.00.
- NEW CONVEYANCE DITCH TO CONNECT TO EXISTING SWALE IN RIGHT-OF-WAY. DITCH SURFACING PER PLAN.
- CONSTRUCT ROOF DRAIN WITH SPLASH BLOCK. VERIFY LOCATION WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
- CONSTRUCT ROOF DRAIN TO GRADE. VERIFY LOCATION WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
- NEW CONCRETE HOUSEKEEPING PAD PER DETAIL 9 ON SHEET C4.00.

UTILITY NOTES:

- WATER**
- INSTALL 1-1/2" Ø ASTM D1785 SCHEDULE 40 PVC DOMESTIC WATER LINE FROM EXISTING WATER SERVICE TO NEW BUS BARN AT ALIGNMENT SHOWN ON PLAN IN TRENCH SIMILAR DETAIL 5 ON SHEET C4.00.
 - EXISTING FIRE HYDRANT TO REMAIN.
- SANITARY SEWER**
- INSTALL NEW ASTM D3034 DR35 "PVC" GRAVITY SANITARY SEWER SERVICE WITH TRACER WIRE AND LOCATE TAPE IN TRENCH SIMILAR TO DETAIL 5 ON SHEET C4.00.
 - CONSTRUCT NEW 2" Ø ASTM D1785 SCHEDULE 40 PVC PRESSURE-RATED SANITARY SEWER GRINDER PUMP DISCHARGE LINE WITH TRACER WIRE AND LOCATE TAPE IN TRENCH SIMILAR TO DETAIL 5 ON SHEET C4.00. ENSURE NO HIGH POINTS OR LOW POINTS ARE CONSTRUCTED BETWEEN THE PUMP DISCHARGE AND THE CHECK VALVE.
 - FURNISH CLEANOUT RISER TO GRADE WITH WORD 'SEWER' CAST INTO LID PER DETAIL 7 ON SHEET C4.00.
 - CONNECT TO EXISTING 6" Ø SANITARY SEWER IN APPROXIMATE LOCATION SHOWN PER DETAIL 11 ON SHEET C4.00.
 - FURNISH NEW SANITARY SEWER PUMP STATION. DESIGN PER SUPPLIER.
- POWER AND DATA/COMMUNICATIONS:**
- INSTALL PRIMARY POWER CONDUIT FROM EXISTING TRANSFORMER TO BUILDING IN TRENCH SIMILAR TO DETAIL 6 ON SHEET C4.00.



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BANDON SCHOOL DISTRICT NEW BUS BARN



REVISION ID:	DATE:

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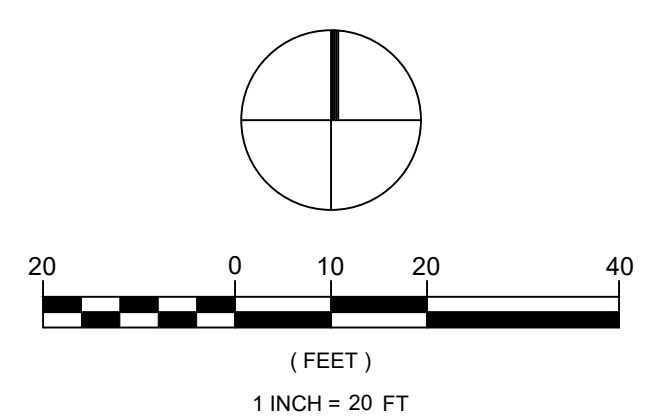
GRADING, DRAINAGE, AND UTILITY PLAN

C3.00

BID AND PERMIT SET

ONE INCH EQUALS FULL SCALE

1 GRADING, DRAINAGE, AND UTILITY PLAN
C3.00



1"=20'



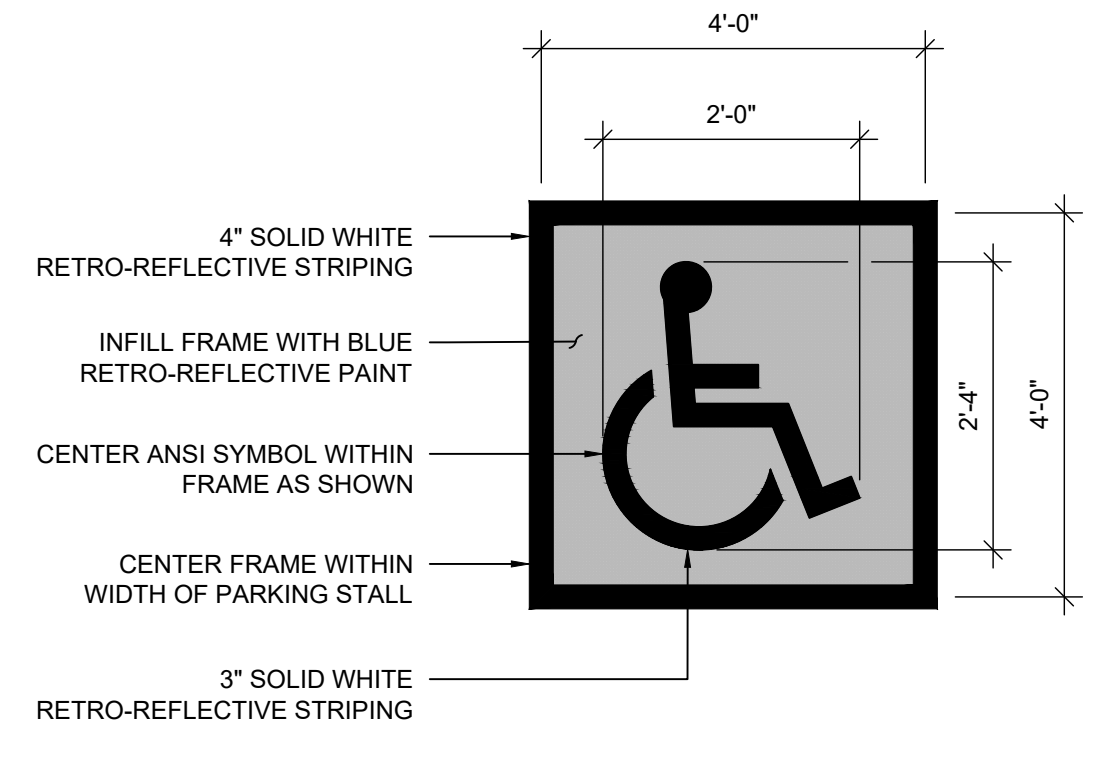
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BANDON SCHOOL DISTRICT #54
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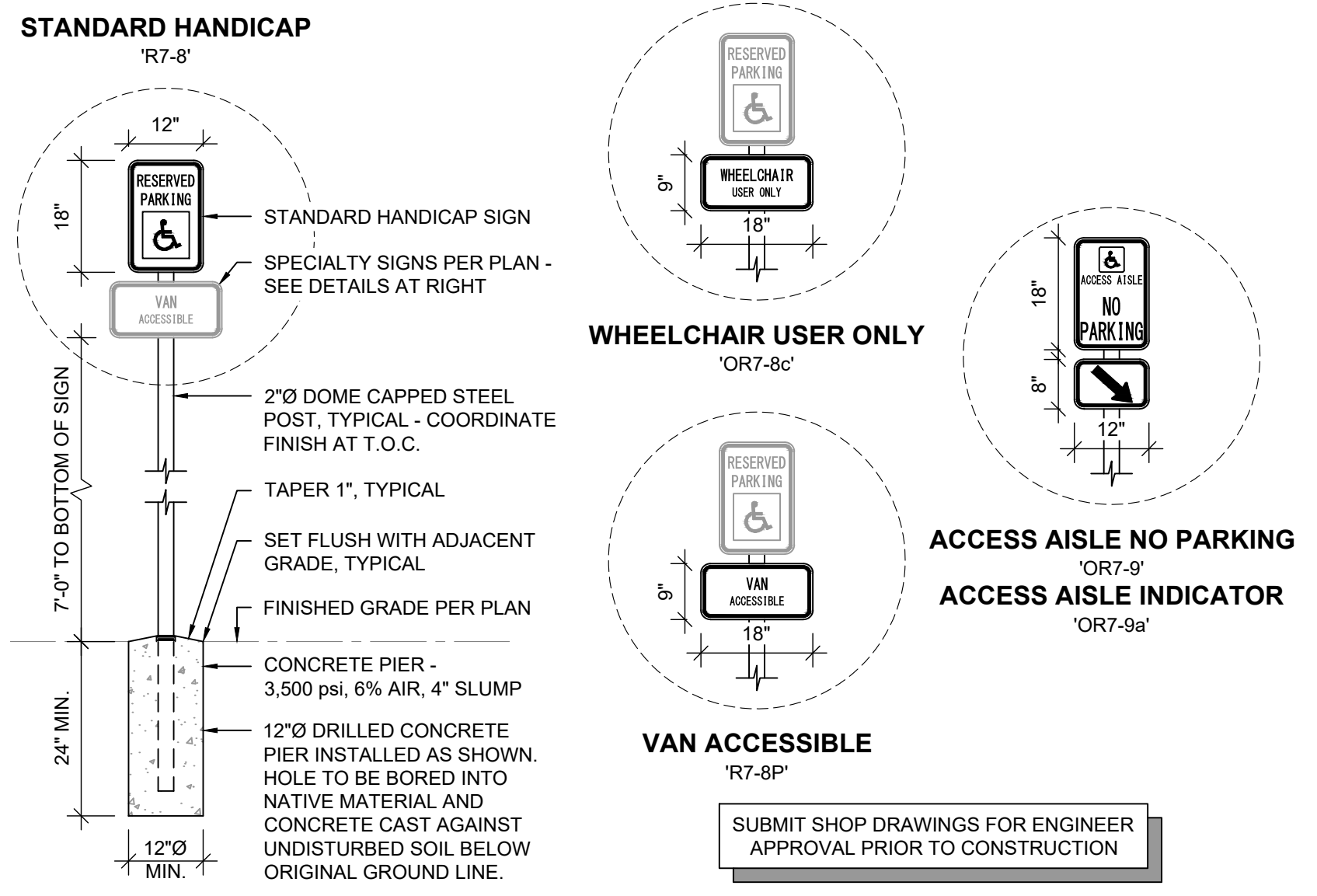
BANDON SCHOOL DISTRICT NEW BUS BARN



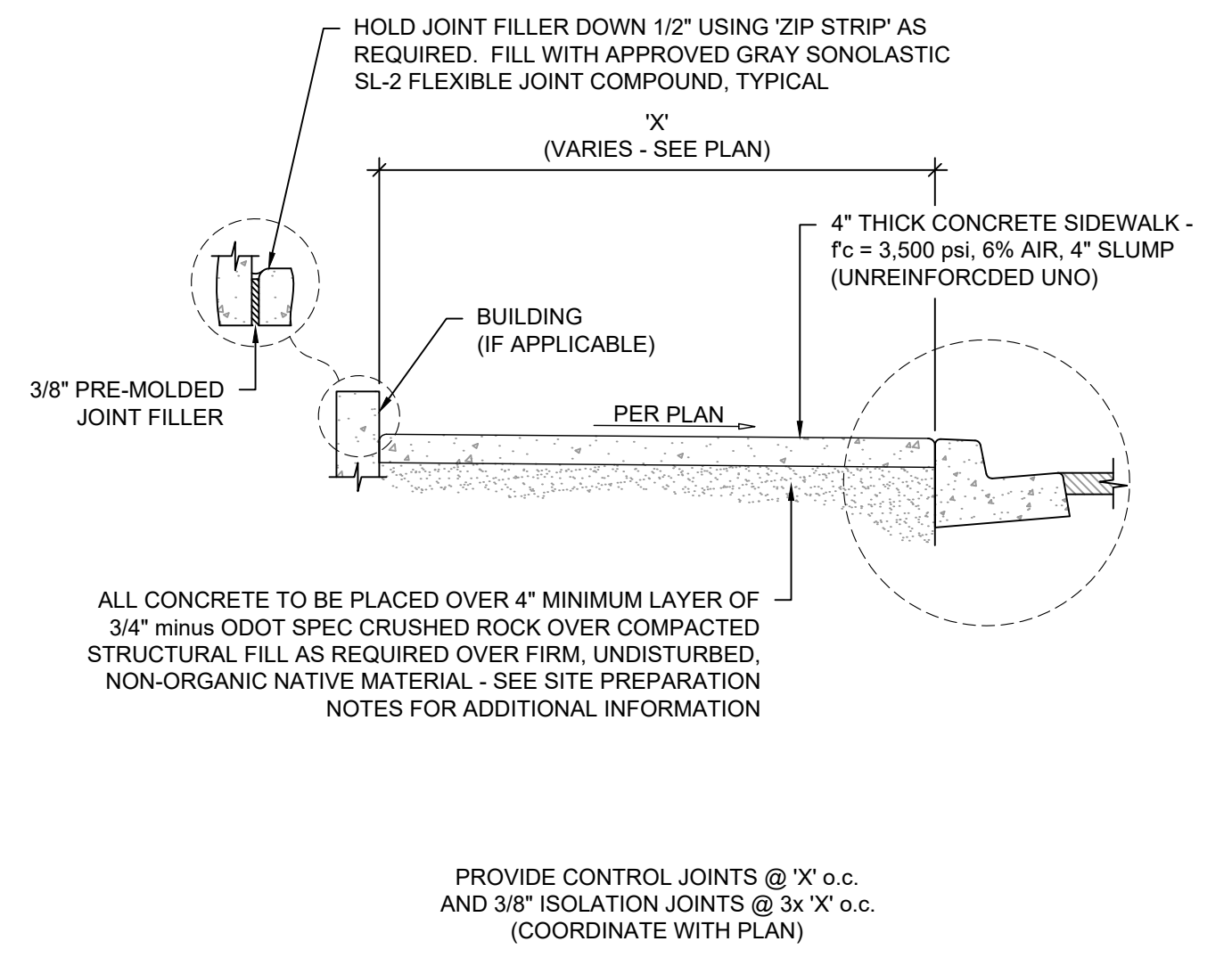
ALL PAINT SHALL BE FAST DRYING 'TRAFFIC LINE PAINT' CONFORMING TO ODOT STANDARD SPECIFICATIONS. ALL STRIPING/PAINT SHALL BE APPLIED TWICE. ALL COLORS AND SYMBOL PROPORTIONS SHALL COMPLY WITH CURRENT ADA STANDARDS FOR ACCESSIBLE DESIGN. COORDINATE WITH ENGINEER IN THE EVENT OF DISCREPANCIES.



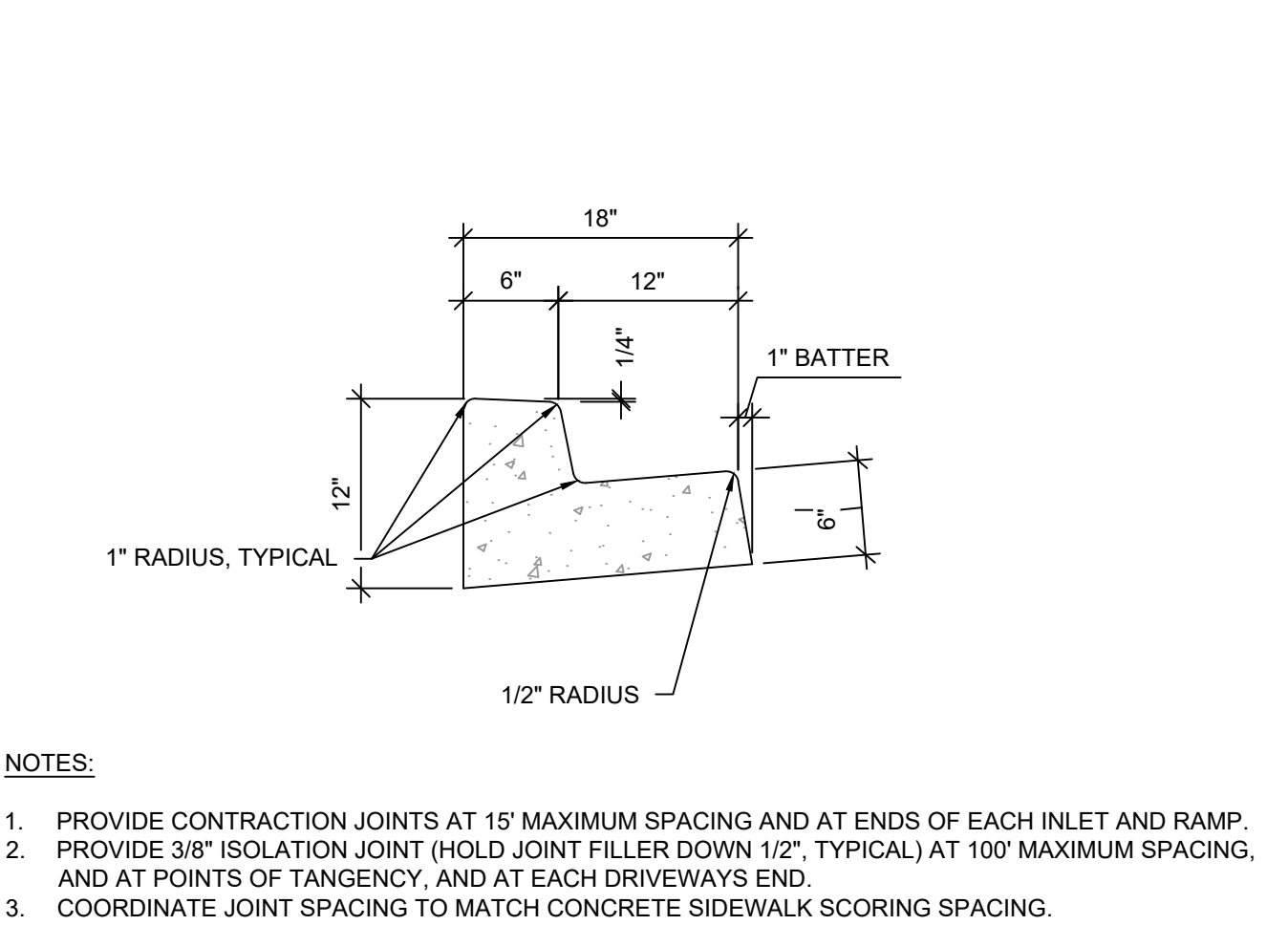
1 ACCESSIBILITY SYMBOL AND SIGNAGE
C4.00



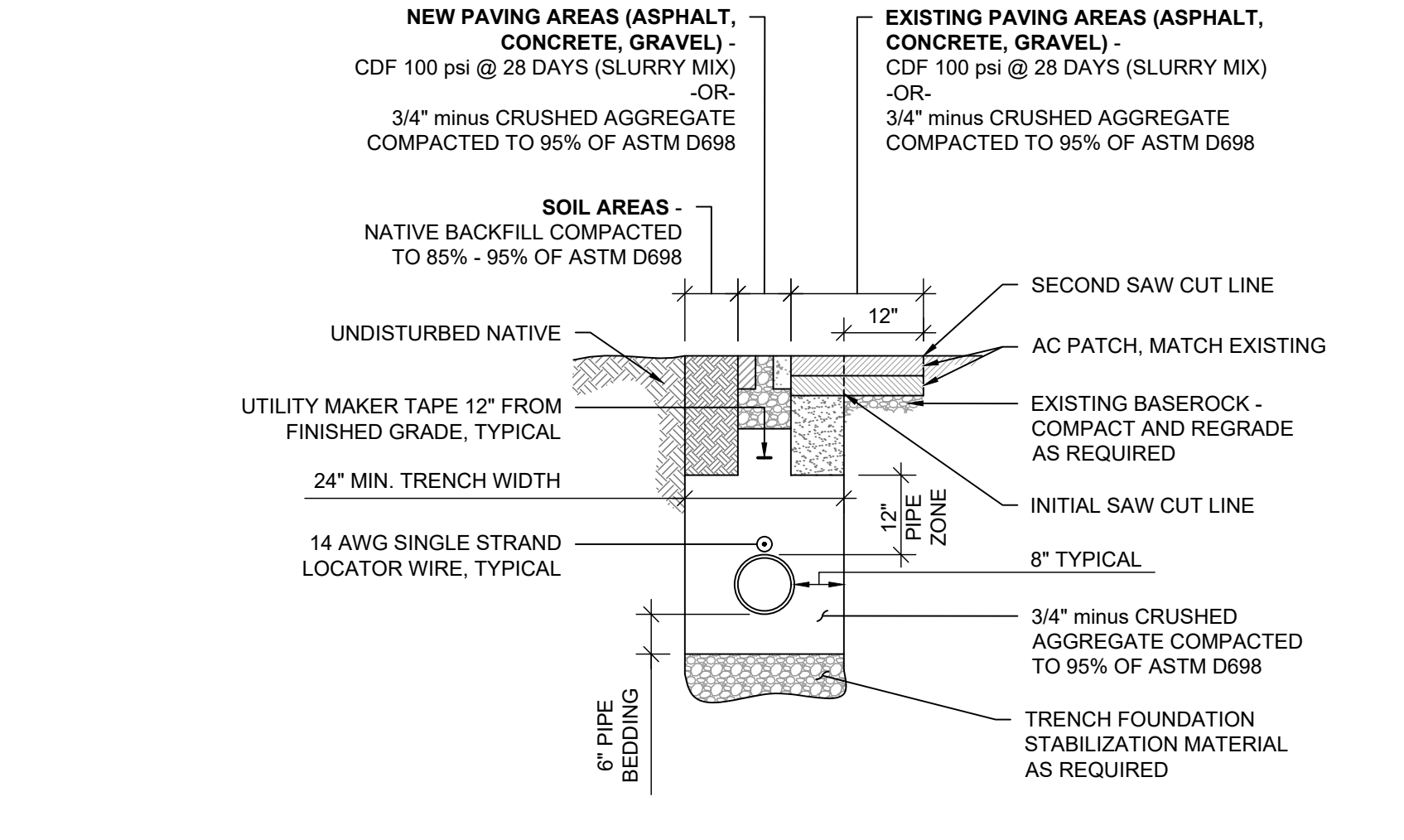
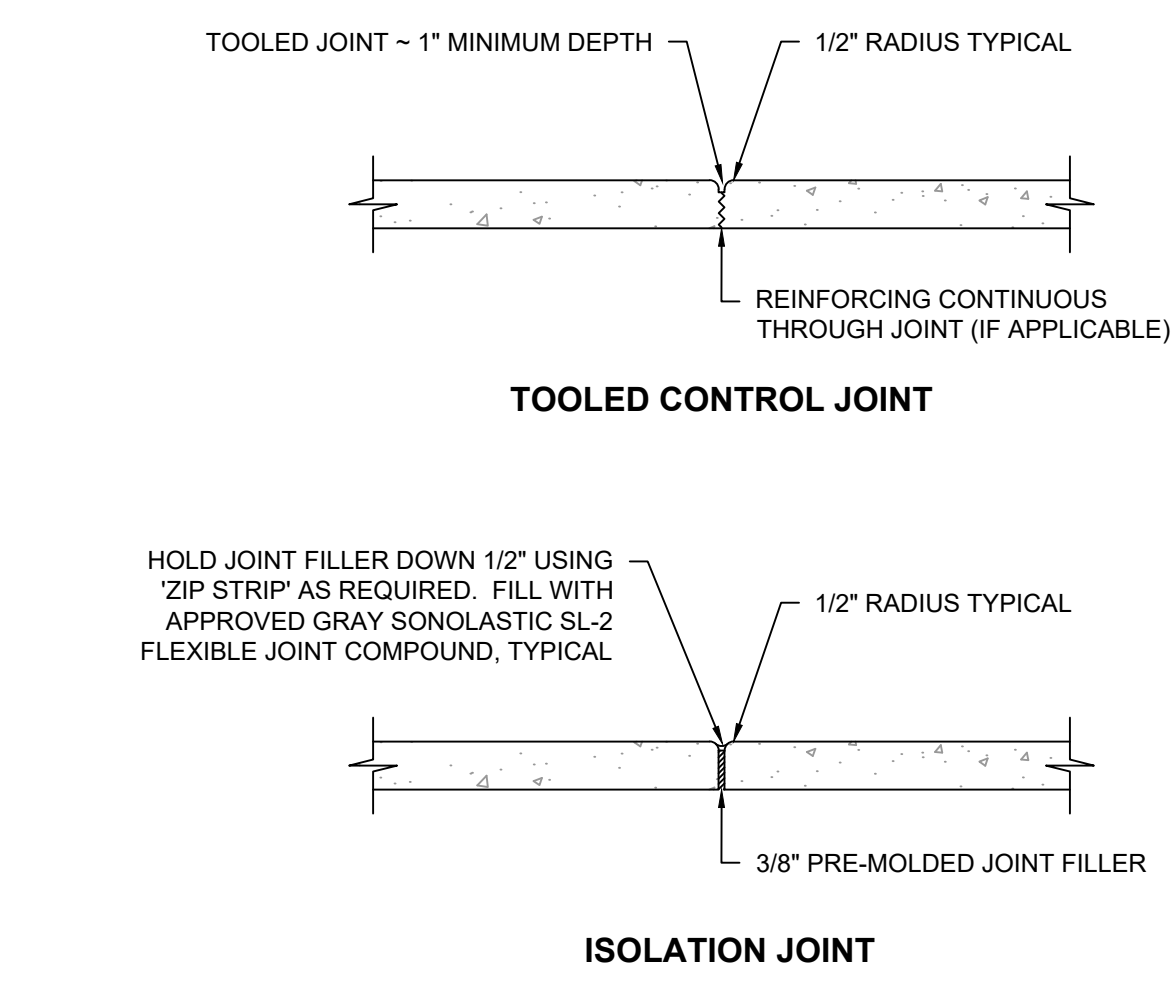
2 UNREINFORCED SIDEWALK SECTIONS
C4.00



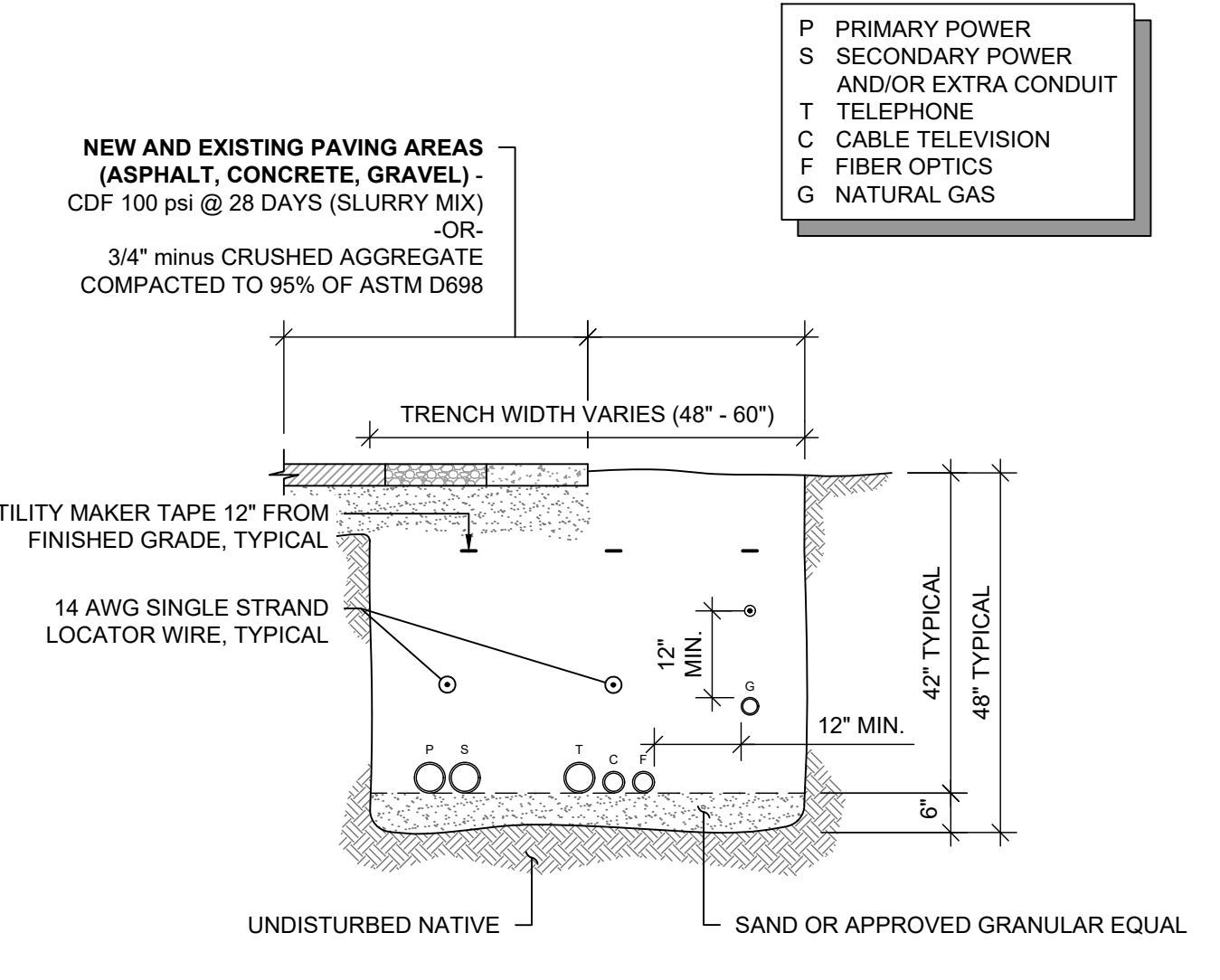
3 TYPE 'A' STANDARD CURB AND GUTTER
C4.00



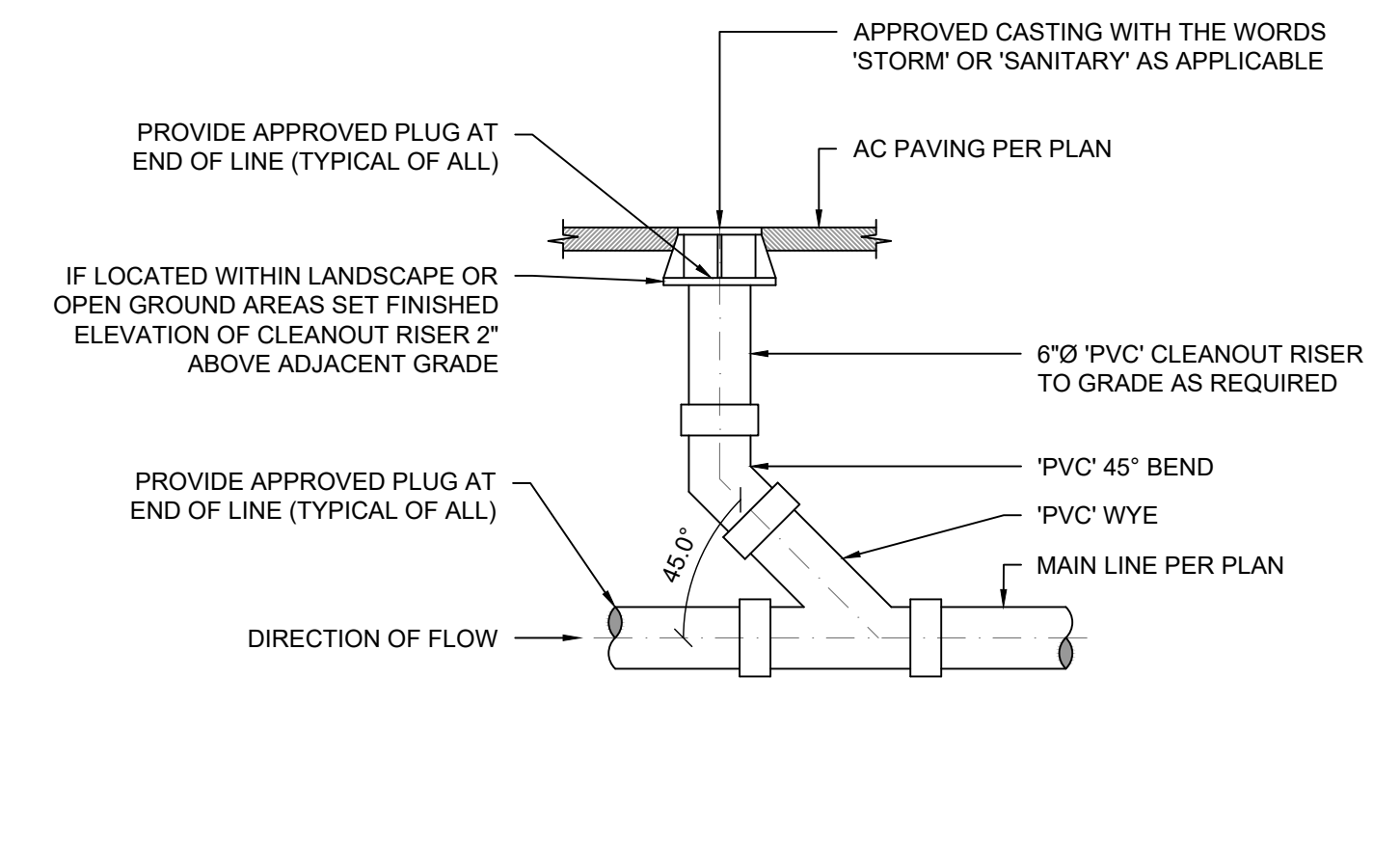
4 SIDEWALK JOINTING DETAILS
C4.00



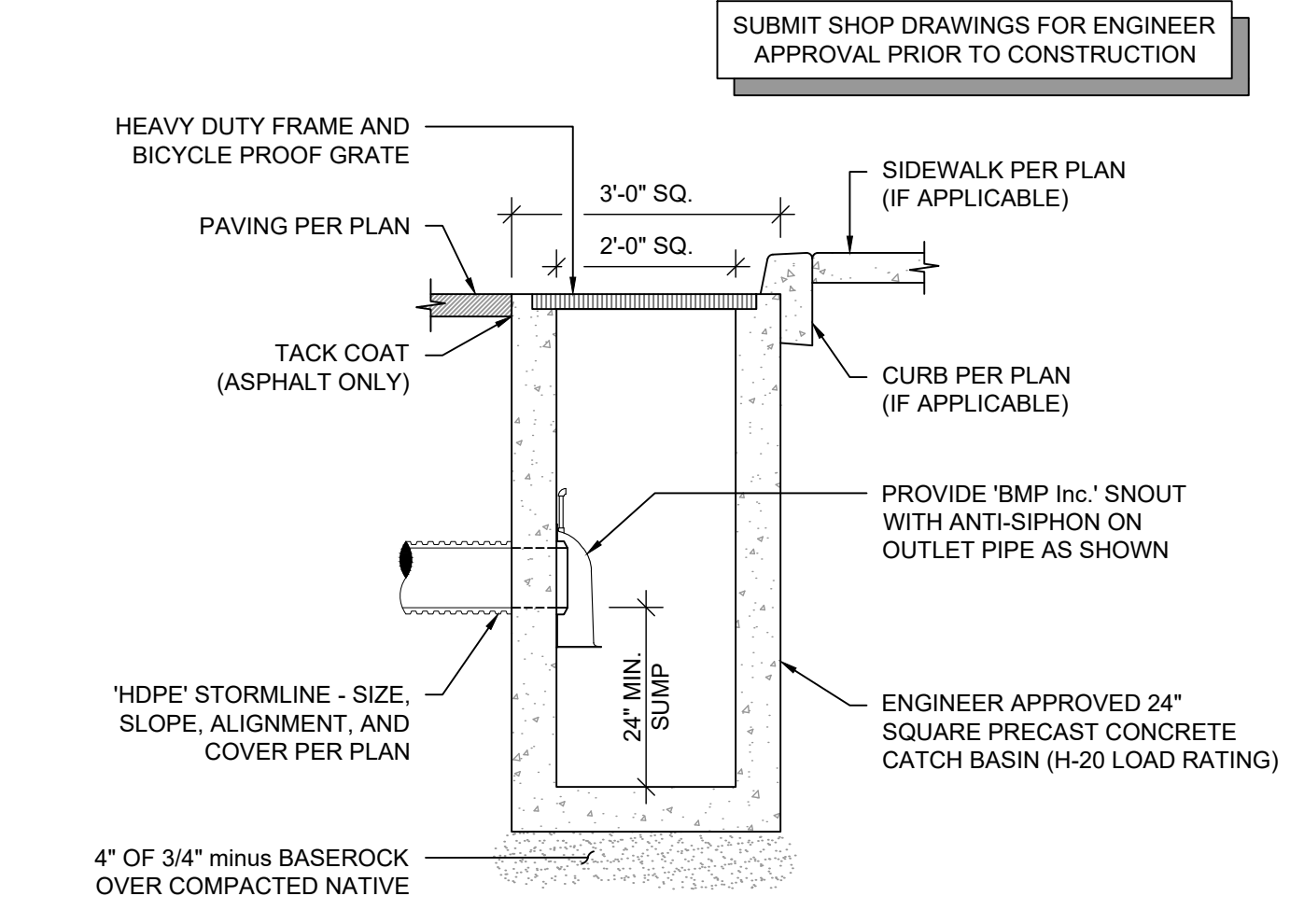
5 TYPICAL PRIVATE WET UTILITY TRENCH SECTION
C4.00



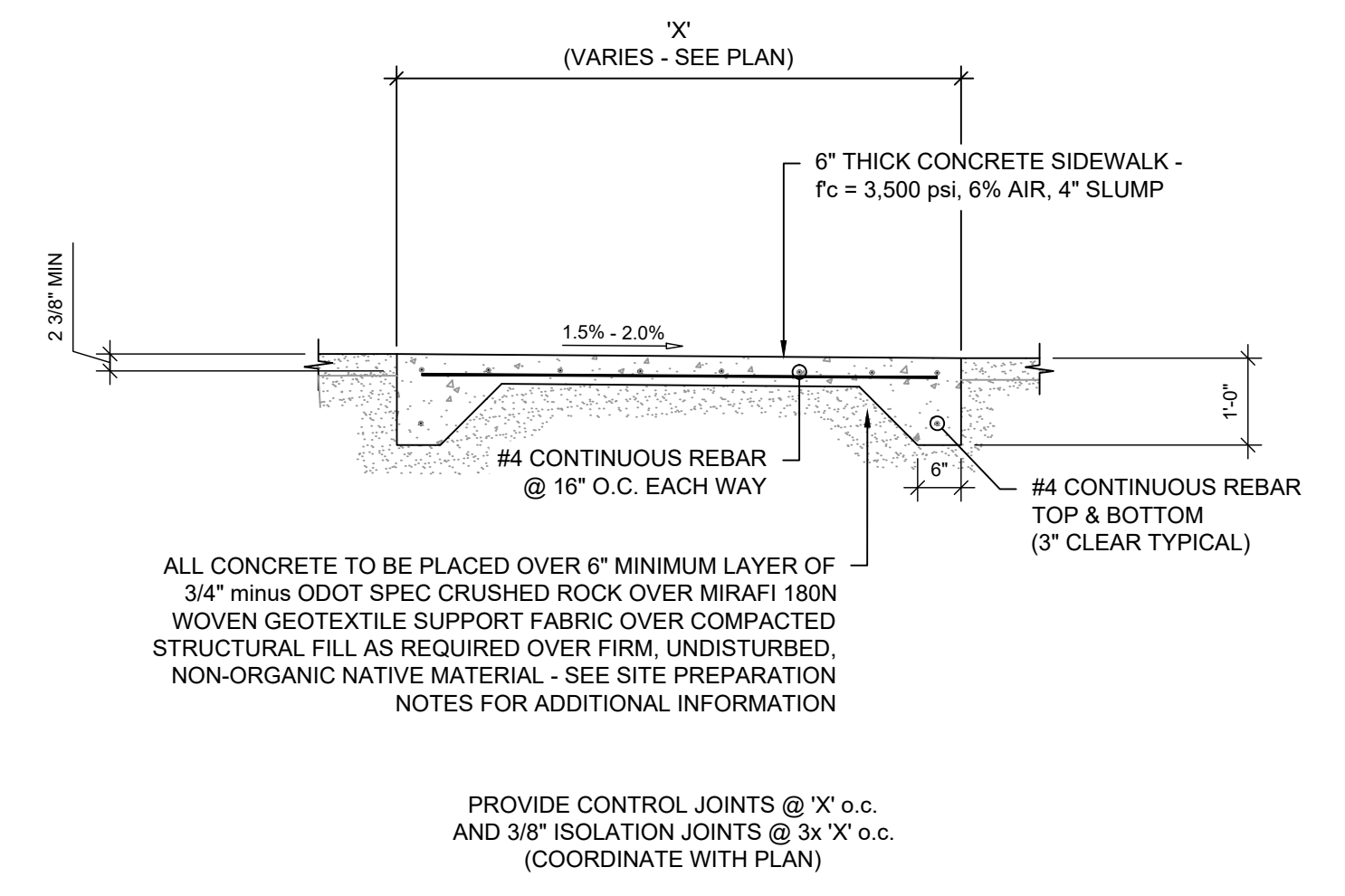
6 TYPICAL COMMON DRY UTILITY TRENCH SECTION
C4.00



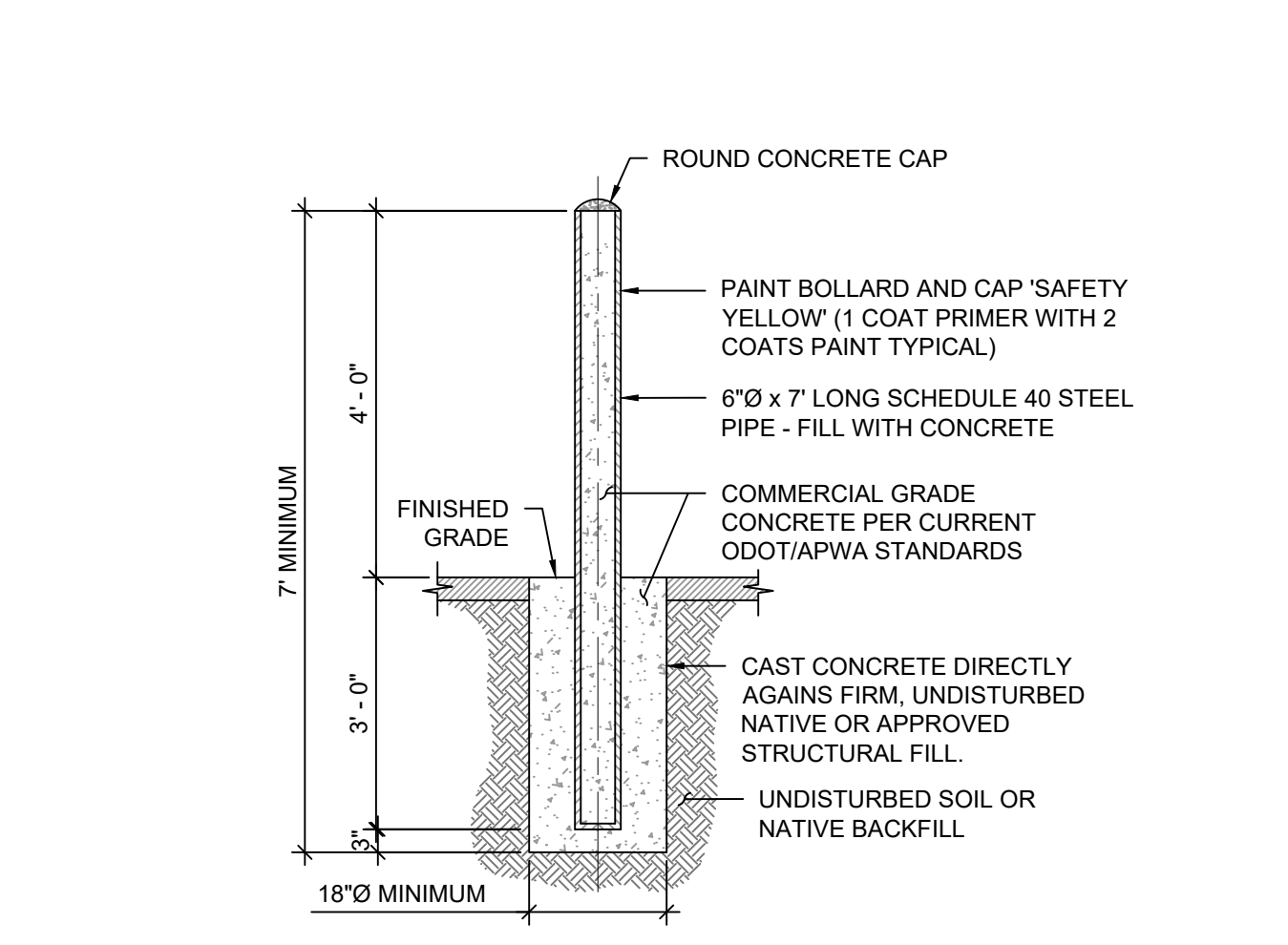
7 TYPICAL PRIVATE CLEANOUT TO GRADE
C4.00



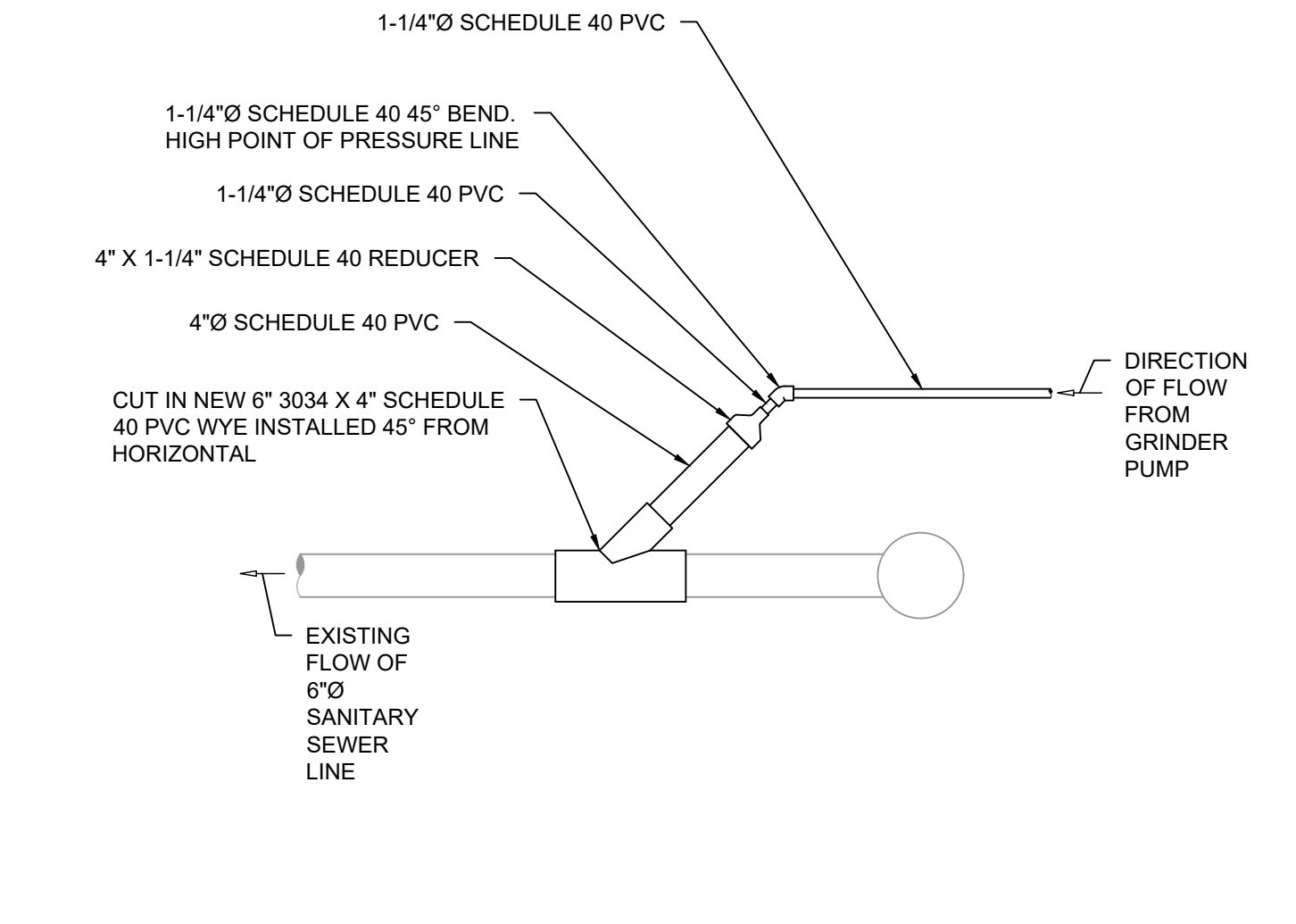
8 TYPICAL CONCRETE CATCHBASIN
C4.00



9 REINFORCED CONCRETE PAVEMENT SECTION
C4.00



10 STATIONARY BOLLARD DETAIL
C4.00



11 CONNECTION OF FORCE MAIN TO EXISTING GRAVITY SANITARY SEWER LINE
C4.00



REVISION ID: DATE: PROJECT NO: G-1533-22 DRAWN: KAK CHECKED: LGG DATE: 02-13-24

PRIVATE CIVIL DETAILS

C4.00

BID AND PERMIT SET

ONE INCH EQUALS FULL SCALE

RD1000.dgn 20-JAN-2021

CONSTRUCTION ENTRANCE - TYPE 1
NOT TO SCALE

CONSTRUCTION ENTRANCE - TYPE 2
NOT TO SCALE

CONSTRUCTION ENTRANCE - TYPE 3 (TYPE 1 OR 2 WITH EXISTING CURB)
NOT TO SCALE

WOODEN CURB RAMP SECTION D-D
NOT TO SCALE

SECTION C-C
NOT TO SCALE

SECTION A-A
NOT TO SCALE

SECTION B-B
NOT TO SCALE

WATTLE / FIBER ROLL CHECK DAM - TYPE 2
NOT TO SCALE

ALTERNATIVE 1
NOT TO SCALE

ALTERNATIVE 2
NOT TO SCALE

FIBER ROLL AND COMPOST SOCK STAKING ALTERNATIVES
NOT TO SCALE

COMPOST FILTER SOCK CHECK DAM - TYPE 6
NOT TO SCALE

MAXIMUM CHECK DAM SPACING "L"

Ditch Grade	H=8"	H=12"	H=18"	H=24"
10%	++	++	15'	20'
5%	++	++	16'	22'
2%	++	++	18'	25'
0%	++	++	21'	28'
5%	++	16'	25'	33'
4%	16'	25'	37'	50'
3%	22'	33'	50'	66'
2%	33'	50'	75'	100'

CONSTRUCTION ENTRANCE TABLE MINIMUM LENGTH

Length (FT)	Area Of Exposed Soil (Acres)
20	0.25
50	0.25 < A < 1.0
100	A > 1.0

CONSTRUCTION ENTRANCES
2024
RD1000

Effective Date: December 1, 2023 – May 31, 2024

RD1006.dgn 20-JAN-2021

WATTLE / FIBER ROLL CHECK DAM - TYPE 2
NOT TO SCALE

ALTERNATIVE 1
NOT TO SCALE

ALTERNATIVE 2
NOT TO SCALE

FIBER ROLL AND COMPOST SOCK STAKING ALTERNATIVES
NOT TO SCALE

COMPOST FILTER SOCK CHECK DAM - TYPE 6
NOT TO SCALE

MAXIMUM CHECK DAM SPACING "L"

Ditch Grade	H=8"	H=12"	H=18"	H=24"
10%	++	++	15'	20'
5%	++	++	16'	22'
2%	++	++	18'	25'
0%	++	++	21'	28'
5%	++	16'	25'	33'
4%	16'	25'	37'	50'
3%	22'	33'	50'	66'
2%	33'	50'	75'	100'

CHECK DAMS TYPE 2 AND 6
2024
RD1006

Effective Date: December 1, 2023 – May 31, 2024

RD1040.dgn 20-JAN-2021

SEDIMENT FENCE AND GEOTEXTILE BURY DETAIL - TYPE 1
NOT TO SCALE

ALTERNATE SEDIMENT FENCE WITHOUT TRENCHING - TYPE 2
NOT TO SCALE

GENERAL NOTES:

- Use must be approved by the engineer.
- Not approved for use with sediment fencing with sewn-in post sleeves.

FENCE SPACING FOR GENERAL APPLICATION TABLE

GRADE	MAXIMUM SPACING ON GRADE
Grade < 10%	300'
10% < Grade < 15%	150'
15% < Grade < 20%	100'
20% < Grade < 30%	50'
30% < Grade	25'

POST SPACING TABLE

6"	Sediment Fence with Geotextile elongation less than 50%
4"	Sediment Fence with Geotextile elongation 50% or more

SEDIMENT FENCE
2024
RD1040

Effective Date: December 1, 2023 – May 31, 2024

RD1070.dgn 20-JAN-2021

CONCRETE TRUCK WASH OUT FACILITY
NOT TO SCALE

SECTION A-A
NOT TO SCALE

STAPLE DETAIL
NOT TO SCALE

CONCRETE TRUCK WASH OUT
2024
RD1070

Effective Date: December 1, 2023 – May 31, 2024



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BANDON SCHOOL DISTRICT #54
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BANDON SCHOOL DISTRICT NEW BUS BARN



REVISION ID	DATE

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AGENCY STANDARD DETAILS

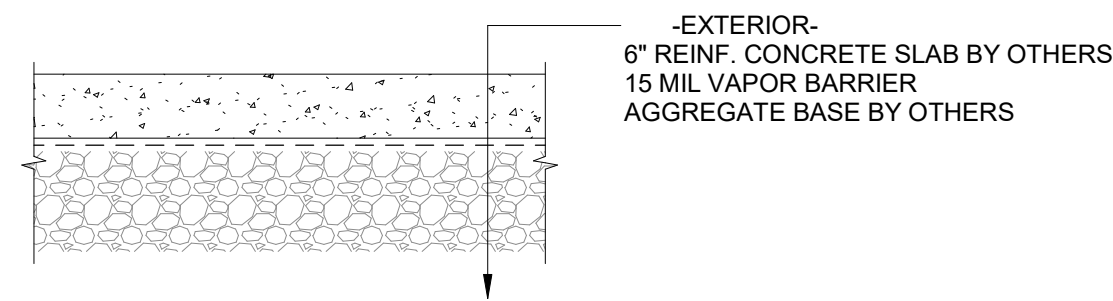
C5.00

BID AND PERMIT SET

FLOOR ASSEMBLIES

SCALE: 1" = 1'-0"

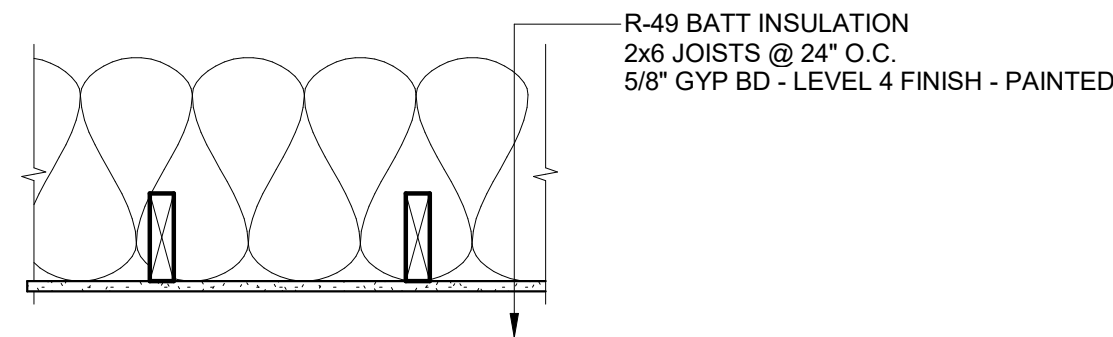
F1 CONCRETE SLAB



CEILING ASSEMBLIES

SCALE: 1" = 1'-0"

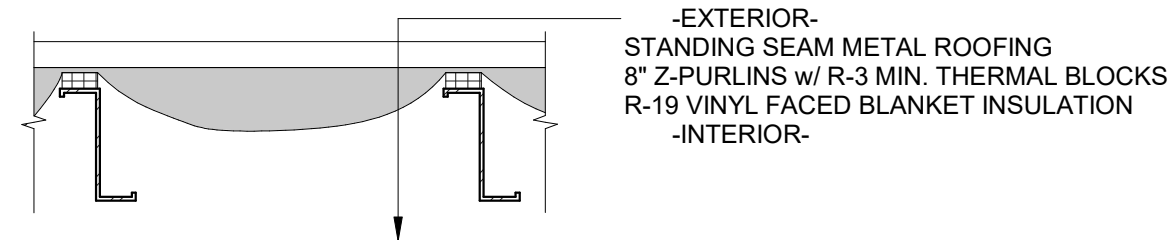
C1 CEILING



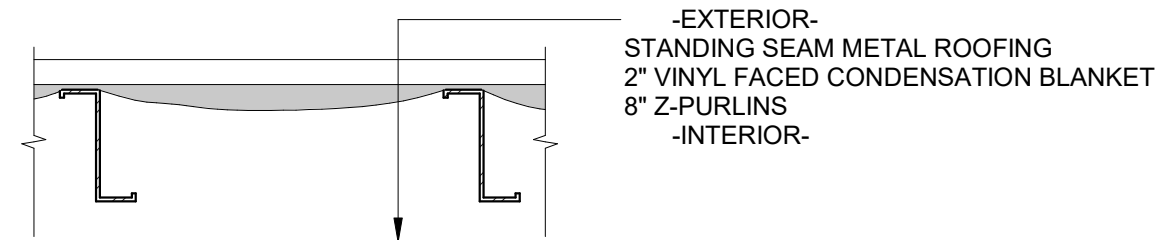
ROOF ASSEMBLIES

SCALE: 1" = 1'-0"

R1 METAL ROOFING



R2 METAL ROOFING



WALL TYPE LEGEND

SCALE: 1" = 1'-0"

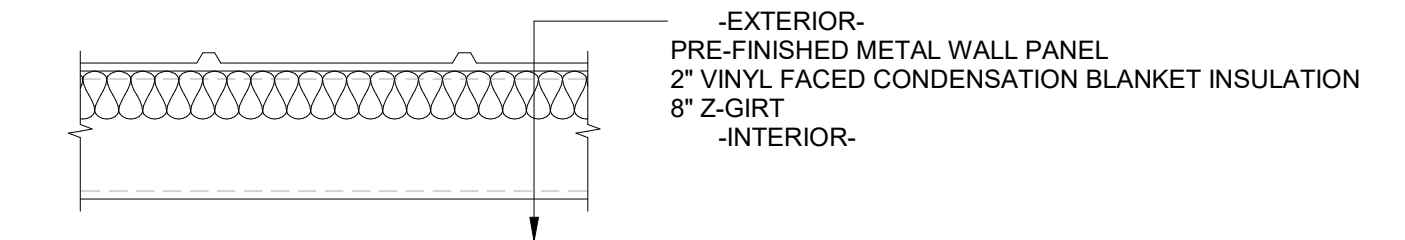
GENERAL WALL TYPE NOTES:

- A. PROVIDE BLOCKING AS REQUIRED TO SECURE WALL HUNG COMPONENTS.
- B. EXTEND ALL COMPONENTS TO UNDERSIDE OF DECK U.N.L.O.
- C. PROVIDE "GREEN BOARD" IN ALL WET LOCATIONS ADJACENT TO PLUMBING FIXTURES
- D. FOR FIRE RATED ASSEMBLIES REFER TO GA OR UL FILE NO. LISTED FOR ADDITIONAL INFORMATION.
- E. FOR FIRE RATED WALLS CONTAINING PLYWOOD, INCREASE THE LENGTH OF THE FASTENERS SPECIFIED IN THE DAS FILE NO. BY NOT LESS THAN THE THICKNESS OF THE PLYWOOD.

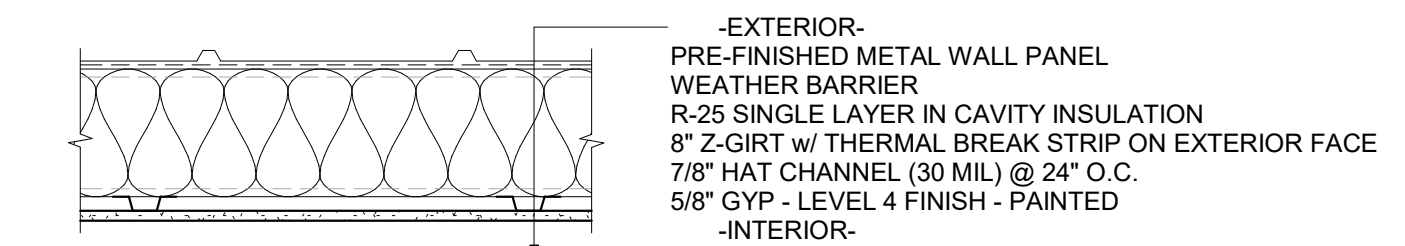
KEYNOTES:

- 1. PROVIDE FRP1 UP TO 48" A.F.F. ON RESTROOM SIDE
- 2. PROVIDE FRP2 UP TO 96" A.F.F. ON ROOM #106 SIDE

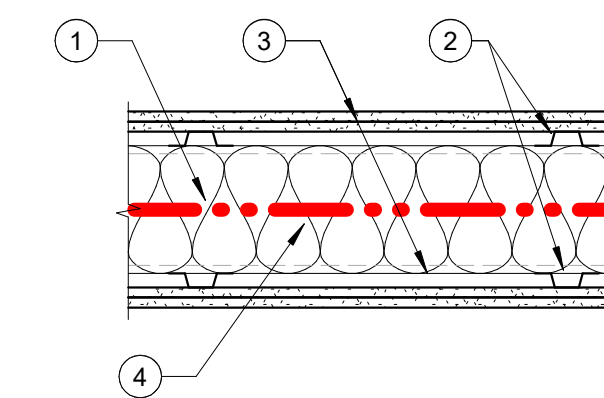
W1 EXTERIOR WALL



W2 EXTERIOR WALL



W3 INTERIOR WALL - 2-HOUR FIRE BARRIER UL DESIGN NO. V421



1. GIRTS - "Z" OR "C" SHAPED GIRTS, 0.056 TO 0.120 THICK STEEL, 6" TO 12" DEEP, w/ 2" TO 4" WIDE FLANGES. GIRTS PLACED HORIZONTALLY (WITH FLANGES UP OR DOWN) AND SPACED MAX. 48" O.C. GIRTS ARE SECURED TO COLUMNS OR TO ADJACENT STEEL FRAMING w/ GIRT CLIPS OR BOLTED TO THE COLUMN THROUGH THE GIRT FLANGE.

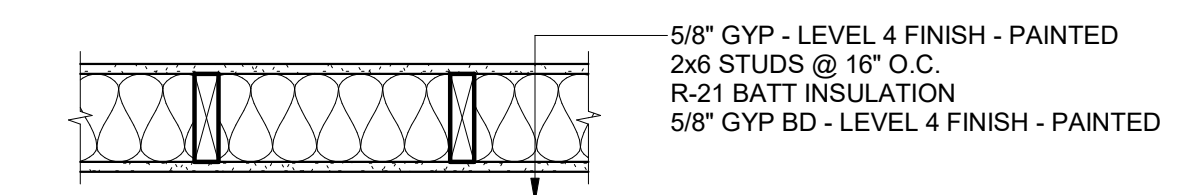
2. FURRING CHANNELS - HAT SHAPED, MINIMUM 25 MSG GALV. STEEL, APPROXIMATELY 2 5/8" WIDE, 7/8" DEEP, SPACED 24" O.C. INSTALLED PERPENDICULAR TO GIRTS ON BOTH SIDES OF THE WALL. CHANNELS ARE SECURED TO EACH GIRT w/ 3/8" (MIN.) LONG SELF-DRILLING PAN HEAD SHEET STEEL TYPE SCREWS. TWO SCREWS ARE USED AT EACH FASTENING LOCATION, ONE THROUGH EACH LEG OF THE FURRING CHANNEL.

3. GYPSUM BOARD - 5/8" THICK x 48" WIDE TYPE X GYPSUM BOARD APPLIED HORIZONTALLY OR VERTICALLY. FIRST LAYER ATTACHED TO FURRING CHANNELS USING 1" LONG TYPE S BUGLE HEAD GYPSUM BOARD SCREWS SPACED 24" O.C. VERTICALLY AND HORIZONTALLY. SECOND LAYER ATTACHED TO FURRING CHANNELS USING 1 5/8" LONG TYPE S BUGLE HEAD GYPSUM BOARD SCREWS SPACED 12" O.C. VERTICALLY AND 24" O.C. HORIZONTALLY

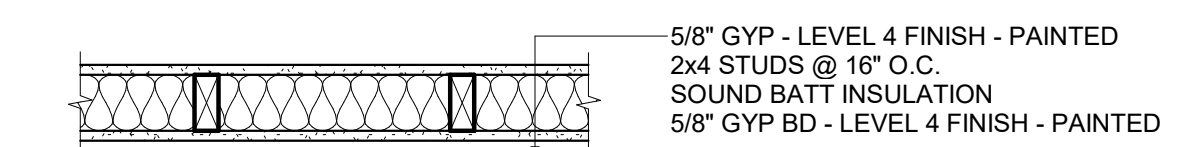
4. R-25 BATT INSULATION

NOTE: each membrane layer of 2 hr assembly shall be inspected and approved before next layer is applied. Grid 3

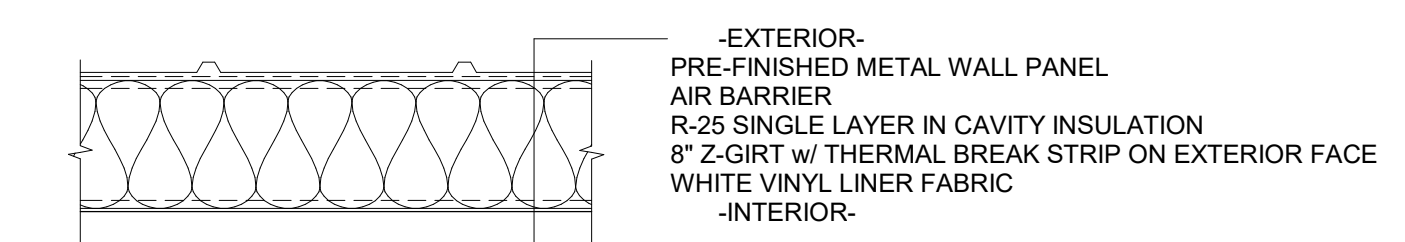
W4 INTERIOR WALL



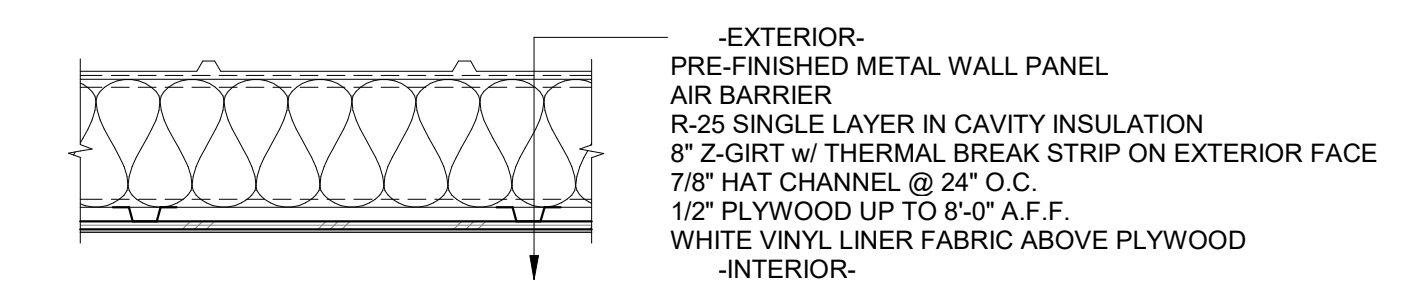
W5 INTERIOR WALL



W6 EXTERIOR WALL



W7 EXTERIOR WALL



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BANDON SCHOOL DISTRICT #54
455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOOL DISTRICT NEW BUS BARN



DATE	Description

PROJECT NO. G-1533-22
DRAWN: LJS
CHECKED: DDS
DATE: 02-13-2024

ASSEMBLIES

A0.10

BID AND PERMIT SET

DOOR, FRAME AND HARDWARE SCHEDULE

DOOR NUMBER	ROOM NUMBER	ROOM NAME	SIZE			DOOR				FRAME			HARDWARE		
			W	H	T	MTL	TYPE	GLAZE	NOTES	MTL	TYPE	NOTES	FIRE RATING	GROUP	NOTES
101A	101	COMMON AREA	3'-0"	7'-0"	0'-1 3/4"	HM	SHL	3/4" IGU	1, 2	HM	A	1, 2	-	1	-
101B	101	COMMON AREA	3'-0"	7'-0"	0'-1 3/4"	HM	SHL	1/4"	1, 2	HM	A	1, 2	-	2	-
101C	101	COMMON AREA	3'-0"	7'-0"	0'-1 3/4"	HM	SQL	1/4"	1, 2	HM	A	1, 2	-	3	-
102	102	OFFICE	3'-0"	7'-0"	0'-1 3/4"	HM	SQL	1/4"	2	HM	A	2	-	4	-
103	103	STORAGE	6'-0"	7'-0"	0'-1 3/4"	HM	SFP	-	2	HM	B	2	-	5	-
104	104	OFFICE	3'-0"	7'-0"	0'-1 3/4"	HM	SQL	1/4"	2	HM	A	2	-	4	-
105	105	RR	3'-0"	7'-0"	0'-1 3/4"	HM	SFP	-	2	HM	A	2	-	6	-
106A	106	BUS BARN	3'-0"	7'-0"	0'-1 3/4"	HM	SQL	3/4" IGU	1, 2	HM	A	1, 2	-	7	-
106B	106	BUS BARN	14'-0"	14'-0"	0'-2 1/8"	STL	OS	(1) ROW	1, 2	-	-	-	-	8	-
106C	106	BUS BARN	20'-0"	14'-0"	0'-2 1/8"	STL	OS	(1) ROW	1, 2	-	-	-	-	8	-
106D	106	BUS BARN	3'-0"	7'-0"	0'-1 3/4"	HM	SFP	-	1, 2	HM	A	1, 2	90 MINUTES	9	-
107A	107	BUS BARN	20'-0"	14'-0"	0'-2 1/8"	STL	OS	(1) ROW	2	-	-	-	-	8	-
107B	107	BUS BARN	20'-0"	14'-0"	0'-2 1/8"	STL	OS	(1) ROW	2	-	-	-	-	8	-
107C	107	BUS BARN	3'-0"	7'-0"	0'-1 3/4"	HM	SQL	3/4" IGU	2	HM	A	2	-	7	-

DOOR, FRAME AND HARDWARE SCHEDULE NOTES

DOOR, FRAME AND HARDWARE GENERAL NOTES
 A. ALL RATED ASSEMBLIES ARE REQUIRED TO HAVE THE ASSEMBLY (DOOR, FRAME AND HARDWARE) MEET THE DESIGNATED FIRE RATING AS NOTED IN THE DOOR SCHEDULE AND CODE PLANS.
 B. ALL CLOSERS TO COMPLY WITH ANSI A117.1-2017, SECTION 404.2.
 C. CONTRACTOR TO VERIFY ALL ROUGH OPENING SIZES WITH DOOR MANUFACTURER.
 D. SEE FLOOR PLANS FOR DOOR SWING.
 E. PROVIDE SAFETY GLAZING IN ALL DOORS AND SIDELIGHTS WITH GLAZING.
 F. PROVIDE SHOP DRAWINGS FOR ARCH. REVIEW AND APPROVAL.

ABBREVIATIONS
 HM WELDED HOLLOW METAL
 STL STEEL
 T TEMPERED

DOOR NOTES
 1. INSULATE
 2. PAINT DOOR PT2 PER FINISH SCHD.

FRAME NOTES
 1. INSULATE
 2. PAINT FRAME PT2 PER FINISH SCHD.

HARDWARE NOTES
 1. NONE

HARDWARE MANUFACTURERS SPECIFIED
 BUTTS STANLEY
 LOCKS SCHLAGE
 CLOSERS LCN
 KICKPLATES IVES
 STOPS IVES
 OVERHEAD STOPS GLYNN JOHNSON
 THRESHOLDS NATIONAL GUARD
 SWEEPS NATIONAL GUARD
 GASKET STEELCRAFT
 SILENCER IVES

GROUP 1
DOOR: 101A
 QTY ITEM FINISH MFR
 3 EA BUTTS FBB199 4.5 X 4.5 630 STANLEY
 1 EA LOCKSET L9453P 06A 09-509 X L583-363 626 SCHLAGE
 1 EA CLOSER 4011 REG ALUM LCN
 1 EA WALLSTOP WS406/407CCV 630 IVES
 1 EA KICKPLATE 8400 10X2LDW 630 IVES
 1 EA THRESHOLD 713 ALUM NGP
 1 EA DOOR SWEEP 200 NA ALUM NGP
 1 SET GASKET PS074 BLK STEELCRAFT

GROUP 2
DOOR: 101B
 QTY ITEM FINISH MFR
 3 EA BUTTS FBB191 4.5 X 4.5 630 STANLEY
 1 EA PASSAGE L9010 06 626 SCHLAGE
 1 EA CLOSER 4111 EDA ALUM LCN
 1 EA WALLSTOP WS406/407CCV 630 IVES
 1 EA KICKPLATE 8400 10X2LDW 630 IVES
 1 EA THRESHOLD 713 ALUM NGP
 1 EA DOOR SWEEP 200 NA ALUM NGP
 1 SET GASKET PS074 BLK STEELCRAFT

GROUP 3
DOOR: 101C
 QTY ITEM FINISH MFR
 3 EA BUTTS FBB191 4.5 X 4.5 630 STANLEY
 1 EA PASSAGE L9010 06 626 SCHLAGE
 1 EA CLOSER 4011 REG ALUM LCN
 1 EA WALLSTOP WS406/407CCV 630 IVES
 1 EA KICKPLATE 8400 10X2LDW 630 IVES
 1 EA THRESHOLD 713 ALUM NGP
 1 EA DOOR SWEEP 200 NA ALUM NGP
 1 SET GASKET PS074 BLK STEELCRAFT

GROUP 4
DOOR: 102, 104
 QTY ITEM FINISH MFR
 3 EA BUTTS F179 4.5 X 4.5 652 STANLEY
 1 EA LOCKSET L9050P 06A 09-509 X L583-363 626 SCHLAGE
 1 EA WALLSTOP WS406/407CCV 630 IVES
 1 SET GASKET PS074 BLK STEELCRAFT

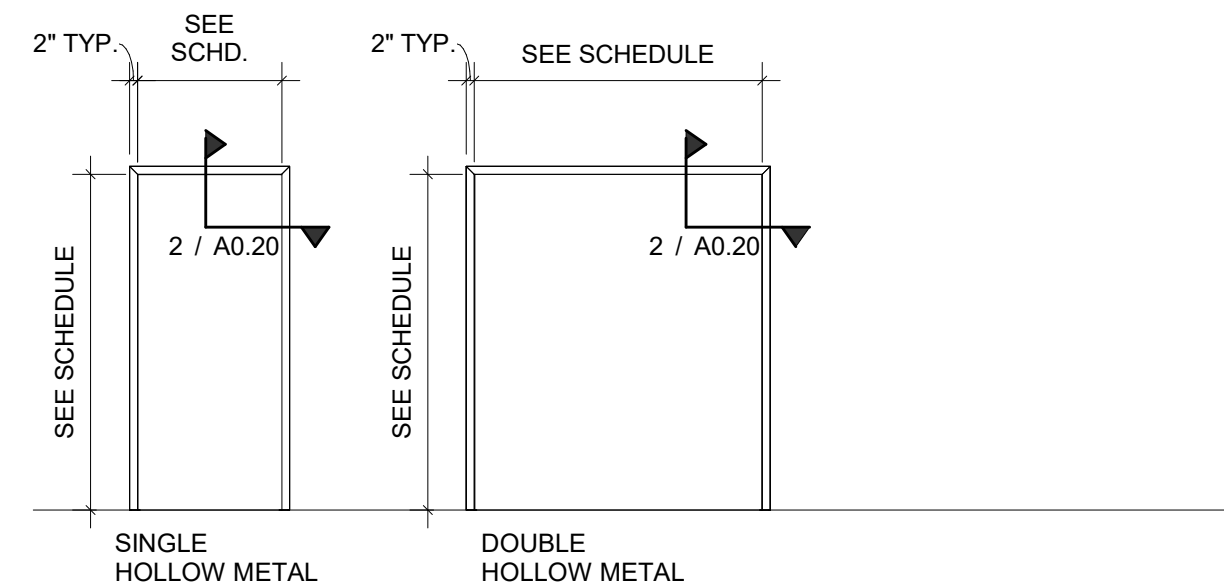
GROUP 5
DOOR: 103
 QTY ITEM FINISH MFR
 6 EA BUTTS F179 4.5 X 4.5 652 STANLEY
 1 EA LOCKSET L9070P 06A 626 SCHLAGE
 2 EA FLUSHBOLT FB458 626 IVES
 2 EA OVERHEAD STOP 904S 630 GJ
 2 EA SILENCER SR64 GREY IVES

GROUP 6
DOOR: 105
 QTY ITEM FINISH MFR
 3 EA BUTTS FBB179 4.5 X 4.5 652 STANLEY
 1 EA LOCKSET L9496P 06A 09-509 X L583-363 626 SCHLAGE
 1 EA CLOSER 4011 REG ALUM LCN
 1 EA KICKPLATE 8400 10X2LDW 630 IVES
 1 SET GASKET PS074 BLK STEELCRAFT

GROUP 7
DOOR: 106A, 107C
 QTY ITEM FINISH MFR
 3 EA BUTTS FBB199 4.5 X 4.5 NRP 630 STANLEY
 1 EA LOCKSET L9453P 06A 09-509 X L583-363 626 SCHLAGE
 1 EA CLOSER 4111 S CUSH ALUM LCN
 1 EA KICKPLATE 8400 10X2LDW 630 IVES
 1 EA THRESHOLD 713 ALUM NGP
 1 EA DOOR SWEEP 200 NA ALUM NGP
 1 SET GASKET PS074 BLK STEELCRAFT

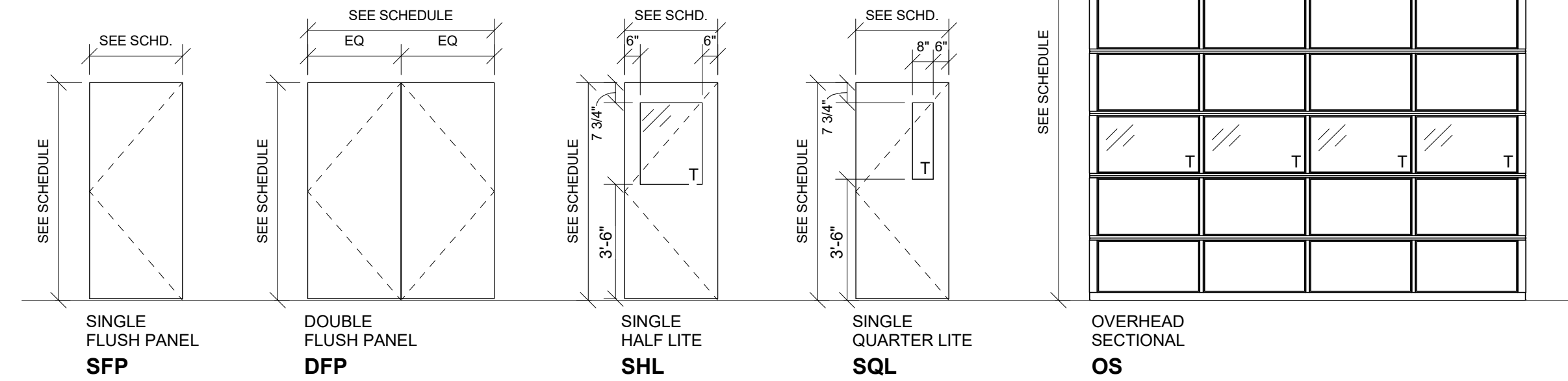
GROUP 8
DOOR: 106B, 106C, 107A, 107B
 ALL HARDWARE BY DOOR SUPPLIER.

GROUP 9
DOOR: 106D
 QTY ITEM FINISH MFR
 3 EA BUTTS FBB191 4.5 X 4.5 630 STANLEY
 1 EA PASSAGE L9010 06A 626 SCHLAGE
 1 EA CLOSER 4111 S CUSH ALUM LCN
 1 EA KICKPLATE 8400 10X2LDW 630 IVES
 1 SET GASKET PS074 BLK STEELCRAFT



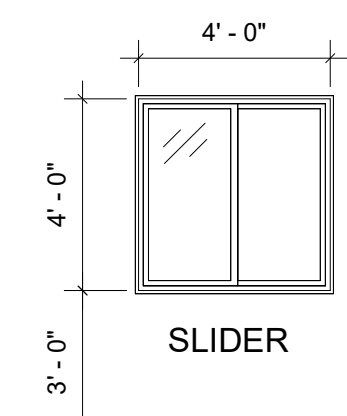
DOOR FRAME TYPES

1/4" = 1'-0"



DOOR TYPES

1/4" = 1'-0"



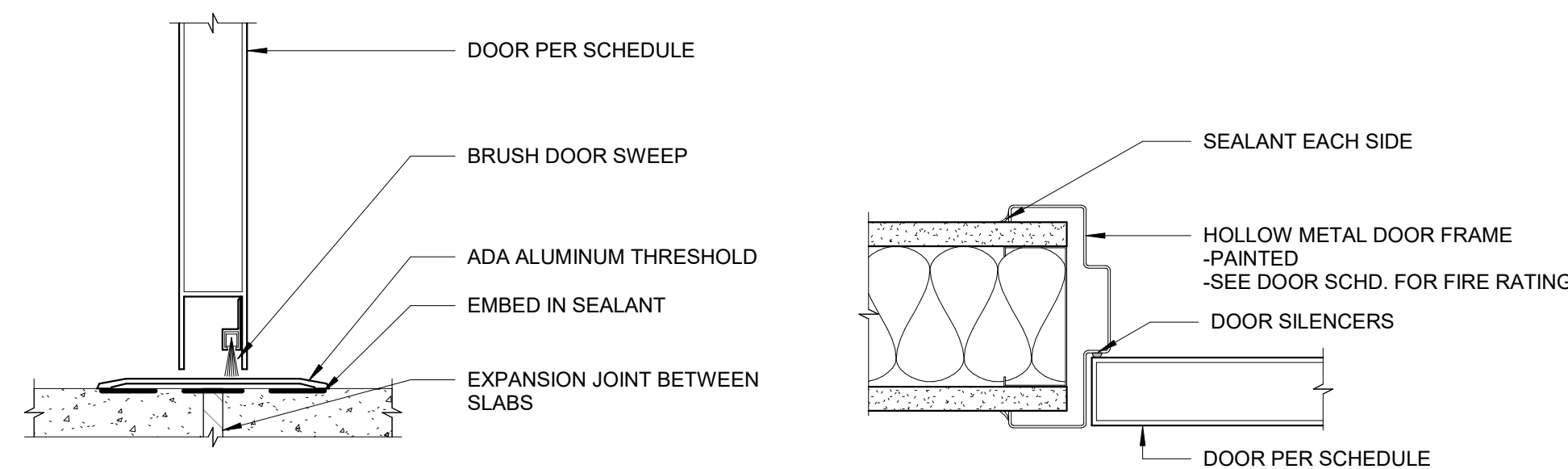
WINDOW NOTES:

**ALL EXTERIOR WINDOWS TO BE INSULATED GLAZING UNITS (IGU'S)
 **ALL WINDOWS ARE TO BE CLEAR GLAZING (BATHROOMS TO BE OPAQUE).
 **INNER PANE OF GLASS TO BE LOW-E
 **ALL WINDOWS SHALL COMPLY WITH ASTM E 774
 **G.C. TO PROVIDE SAFETY GLAZING FOR ALL WINDOWS WITHIN 24" OF ANY DOOR AND ANY OTHER CRITICAL LOCATION PER OSSC SECTION 2406.4

WINDOW TYPE: A

WINDOW TYPES

1/4" = 1'-0"



1 EXT. HM DOOR THRESHOLD
 A0.20 3" = 1'-0"

2 INT. DOOR HEAD/JAMB SIM.
 A0.20 3" = 1'-0"

10/30/2024 8:43:42 AM ONE INCH EQUALS FULL SCALE



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BANDON SCHOOL DISTRICT #54
 455 9TH STREET SW
 BANDON, OR 97411

BANDON SCHOOL DISTRICT NEW BUS BARN



EXPIRES: 06-30-26

DATE	Description
1 10-30-24	REVISION 1

PROJECT NO. G-1533-22
 DRAWN: LJS
 CHECKED: DDS
 DATE: 02-13-2024

DOOR & WINDOW SCHEDULES

A0.20

BID AND PERMIT SET

FLOOR FINISHES						
FINISH CODE	MATERIAL	LOCATION	MANUFACTURER	STYLE / COLOR	PRODUCT NOTES	INSTALLATION NOTES
SC	SEALED CONCRETE	INTERIOR	-	CLEAR	SEE SPEC	WITH SLIP-RESISTANT TREATMENT

WALL BASE FINISHES						
FINISH CODE	MATERIAL	LOCATION	MANUFACTURER	STYLE / COLOR	SIZE / THICKNESS	INSTALLATION NOTES
RB1	RUBBER BASE	AS INDICATED ON FINISH PLANS	ROPPE	100 BLACK	6" x 1/8"	PROVIDE PREFORMED INSIDE & OUTSIDE CORNERS

PAINT / WALL FINISHES						
FINISH CODE	MATERIAL	LOCATION	MANUFACTURER	STYLE / COLOR	FINISH SHEEN	INSTALLATION NOTES
PT1	PAINT	WALLS AND CEILINGS	SHERWIN WILLIAMS	SNOWBOUND SW 7004	SEE FINISH NOTES	-
PT2	PAINT	DOORS AND FRAMES	SHERWIN WILLIAMS	TBD	SEE FINISH NOTES	-
FRP1	FIBERGLASS REINFORCED PLASTIC	RESTROOM	CONSTRUCTION SPECIALTIES	FOG	-	FRP TO EXTEND 48" A.F.F., USE SCLUTER METAL TRIM AT TOP OF PANEL
FRP2	FIBERGLASS REINFORCED PLASTIC	ROOM 106 & 107	CONSTRUCTION SPECIALTIES	G.C. TO PROVIDE ARCHITECT & OWNER w/ A FULL LINE OF COLORS PER MNF.	-	FRP TO EXTEND 96" A.F.F., USE SCLUTER METAL TRIM AT TOP OF PANEL

CEILING FINISHES						
FINISH CODE	MATERIAL	LOCATION	MANUFACTURER	STYLE / COLOR	SIZE / NRC RATING	INSTALLATION NOTES
GYP	GYPSUM	ROOMS 101 -105	CERTAINTED	-	5/8" / NA	-

CASEWORK FINISHES						
FINISH CODE	MATERIAL	LOCATION	MANUFACTURER	PRODUCT NUMBER / STYLE / COLOR	PRODUCT DETAIL	INSTALLATION NOTES
PL1	PLASTIC LAMINATE	COMMON AREA	TBD	G.C. TO PROVIDE ARCHITECT & OWNER w/ A FULL LINE OF PLAM COLORS PER MNF.	-	RUN GRAIN VERTICALLY
PL2	PLASTIC LAMINATE	COMMON AREA	TBD	G.C. TO PROVIDE ARCHITECT & OWNER w/ A FULL LINE OF PLAM COLORS PER MNF.	-	HORIZONTAL SURFACE AND BACKSPLASH

EXTERIOR SIDING						
FINISH CODE	MATERIAL	LOCATION	MANUFACTURER	STYLE / FINISH	COLOR	INSTALLATION NOTES
S1	METAL PANELS	EXTERIOR SIDING	PER PEMB	G.C. TO PROVIDE ARCHITECT & OWNER w/ A FULL LINE OF PROFILES PER MNF.	G.C. TO PROVIDE ARCHITECT & OWNER w/ A FULL LINE OF COLORS PER MNF.	INSTAL PER MFR. INSTRUCTIONS

ROOFING						
FINISH CODE	MATERIAL	LOCATION	MANUFACTURER	STYLE / FINISH	COLOR	INSTALLATION NOTES
SSR	STANDING SEAM	ROOF	PER PEMB	G.C. TO PROVIDE ARCHITECT & OWNER w/ A FULL LINE OF PROFILES PER MNF.	G.C. TO PROVIDE ARCHITECT & OWNER w/ A FULL LINE OF COLORS PER MNF.	INSTAL PER MFR. INSTRUCTIONS

MISCELLANEOUS FINISHES						
FINISH CODE	MATERIAL	LOCATION	MANUFACTURER	STYLE / FINISH	SIZE / THICKNESS	INSTALLATION NOTES
CG1	ALUMINUM CORNER GUARD	SEE ENLARGED OFFICE PLAN	CS ACROVYN - CONSTRUCTION SYSTEMS	CO-8 - 16 GA - #4 SATIN FINISH	3.5" LEGS	ADHESIVE ATTACHEMENT

LUMINAIRE SCHEDULE											
TYPE	DESCRIPTION	MOUNTING	MANUFACTURER	MFG/CATALOG #	INPUT WATTS	VOLTAGE	DRIVER/POWER SUPPLY	LUMENS	COLOR TEMPERATURE	LIGHTING CONTROLS	NOTES
L1	VANITY LIGHT	WALL MOUNT	LITHONIA	FMVCSL 24IN MVOLT 30K 90CRI BN M6	18W	120V	BY CONTRACTOR	1300	3000K	DIMMING TO 10%	4
L2	LED LINEAR	SURFACE MOUNT	LITHONIA	SBL4 3000LM 80CRI 35K MIN10 ZT MVOLT	36W	120-277V	BY CONTRACTOR	3000	3500K	DIMMING TO 10%	4
L3	LED LINEAR	SUSPENDED	LA LIGHTING	STW100-4-4L-FRWA-DRDM-UNV-1/840/CMC-STW100/V4CS10	26W	120-277V	BY CONTRACTOR	4000	4000K	DIMMING TO 10%	3, 4
L4	LED WALL PACK	EXTERIOR WALL MOUNT	LITHONIA	TWX1 LED P1 30K MVOLT PE DBLXD	10W	120-277V	BY CONTRACTOR	1600	3000K	DAY LIGHT SENSOR	4
EF	EXHAUST FAN / LED COMBO	RECESSED	BROAN	RB80L1	18W	120	BY CONTRACTOR	-	-	-	2, 4
X1	LED EXIT SIGN	SURFACE	LITHONIA	EXRG EL M6	1W	120-277V	-	-	-	-	1, 4

NOTE:
 1. DIMMING CONTROL PROTOCOL (0-10VDC, LINE VOLTAGE, DALI, ETC.) COMPATIBLE WITH LIGHTING CONTROL SYSTEM AS SPECIFIED AND SHOWN IN DRAWINGS.
 2. PROVIDE +/- 12" ADJUSTABILITY IN AIRCRAFT CABLE LENGTH WHERE USED.
 3. COORDINATE ALL CEILING TYPES WITH LUMINAIRE LOCATIONS PRIOR TO ORDERING LUMINAIRS. COORDINATE INSTALLATION WITH REFLECTED CEILING PLANS.
 4. SPECIFIED MANUFACTURERS ARE APPROVED TO SUBMIT BID. INCLUSION DOES NOT RELIEVE MANUFACTURER FROM SUPPLYING PRODUCT AS DESCRIBED.
 5. PROVIDE SUBMITTALS THAT INCLUDE THE LUMINAIR, LAMP AND BALLAST INFORMATION OF EACH LUMINAIRE, WITH APPLICABLE OPTIONS CLEARLY CHECKED OR HIGHLIGHTED.
 6. REMOTE BALLAST/DRIVERS: UL LISTED FOR THEIR APPLICATION. BALLASTS/DRIVER MARKED AS UL RECOGNIZED COMPONENT BUT NOT UL LISTED ARE SUBJECT TO REMOVAL AND REPLACEMENT AT NO COST TO OWNER.
 7. PROVIDE COMMISSIONING OF THE LIGHTING AND LIGHTING CONTROLS IN ACCORDANCE WITH OREGON STATE LIGHTING COMMISSIONING REQUIREMENTS.
 8. PROVIDE OCCUPANCY SENSORS TO ALL ROOMS AS REQUIRED BY ASHRAE STANDARD 90.1-2019

- LUMINAIRE SCHEDULE NOTES**
- INCLUDES BATTERY BACKUP
 - EXHAUST FAN SHALL BE ENERGY STAR CERTIFIED AND OPERATIONAL AT 50CFM CONTINUOUS WHILE OCCUPIED OR 70CFM INTERMITTENTLY
 - SUSPEND LIGHT FIXTURE TO 16'-0" A.F.F., ADJUST HEIGHT IF NECESSARY
 - PROVIDE OCCUPANCY SENSORS.



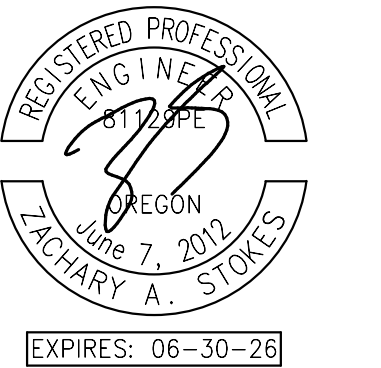
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BANDON SCHOOL DISTRICT #54
455 9TH STREET SW
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BANDON SCHOOL DISTRICT NEW BUS BARN



10/30/2024 8:43:44 AM
ONE INCH EQUALS FULL SCALE



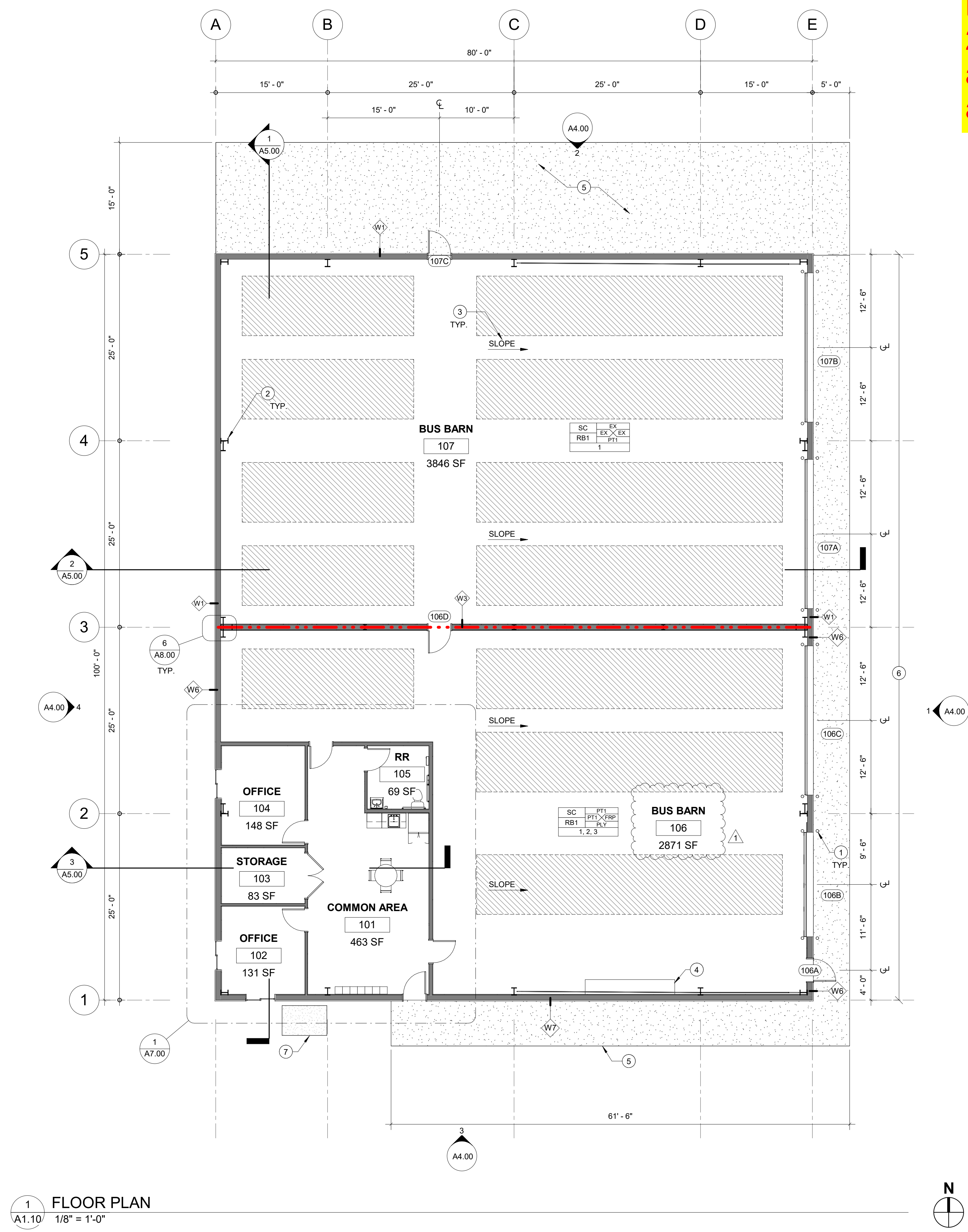
DATE	Description

PROJECT NO. G-1533-22
 DRAWN: LJS
 CHECKED: DDS
 DATE: 02-13-2024

FINISH SCHEDULES

A0.30

BID AND PERMIT SET



NOTE: each membrane layer of 2 hr assembly shall be inspected and approved before next layer is applied. Grid 3

1 FLOOR PLAN
A1.10 1/8" = 1'-0"

GENERAL NOTES

- A. VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECT IF DISCREPANCIES OCCUR.
- B. G.C. SHALL COORDINATE ALL INTERIOR AND EXTERIOR FINISHES W/ OWNER PRIOR TO CONSTRUCTION.
- C. G.C. SHALL PROVIDE SAFETY GLAZING FOR ALL WINDOWS WITHIN 24" OF ANY DOOR AND ALL OTHER CRITICAL LOCATIONS AS STATED PER OSSC SECTION 2406.4.
- D. G.C. TO PROVIDE FIRE BLOCKING AS REQUIRED PER CODE.
- E. G.C. SHALL PROVIDE ALL APPROPRIATE BACKING AS REQUIRED FOR ACCESSORIES AND OTHER MISCELLANEOUS ITEMS.
- F. G.C. TO COORDINATE INSTALLATION OF ALL UTILITIES W/ RESPECTIVE SUPPLIERS/SUBCONTRACTORS PRIOR TO CONSTRUCTION, TYPICAL.
- G. ALL ELECTRICAL, MECHANICAL AND PLUMBING TO BE DESIGN BUILD PER APPLICABLE CODES.
- H. ALL DIMENSION LINES TO THE FACE OF FRAMING, U.N.O.

PLAN LEGEND

- WALL / PARTITION
- 2-HOUR FIRE BARRIER
- AREA OF VEHICLE CLEARANCE

FLOOR PLAN KEYNOTES

- 1. BOLLARDS, SEE CIVIL FOR EXTERIOR BOLLARDS. COORDINATE INTERIOR BOLLARDS WITH STRUCTURAL FOOTINGS
- 2. PEMB FRAME/COLUMN
- 3. SLOPE CONCRETE SLAB TO DOOR. FOUNDATION DESIGN BY OTHERS
- 4. WORKBENCH, OFCI
- 5. EXTERIOR CONCRETE SIDEWALK, SEE CIVIL
- 6. REINFORCED CONCRETE APRON, SEE CIVIL
- 7. PROVIDE CONCRETE PAD FOR MINI-SPLIT OUTDOOR UNIT. SIZE AS REQUIRED FOR UNIT

FINISH LEGEND

- FLOOR FINISH
- WALL FINISHES
- ADDITIONAL NOTES
- BASE FINISH
- EXTENT OF ACCENT PAINT OR WALL FINISHES
- LOCATION OF CORNER GUARDS
- FINISH TAG

ROOM FINISH ABBREVIATIONS

- FLOORING**
SC SEALED CONCRETE
- BASE**
RB# RUBBER BASE
- WALLS**
PT# PAINT
GYP GYPSUM WALL BOARD
EX EXPOSED METAL GIRTS
VL VINYL LINER - WHITE

FINISH PLAN NOTES

- A. ALL PRODUCTS ARE TO BE INSTALLED PER MANUFACTURERS INSTRUCTIONS, USING MANUFACTURERS ADHESIVES, TOOLS AND METHODS.
- B. REFER TO SPECIFICATIONS AND FINISH SCHEDULES FOR FURTHER FINISH MATERIAL PRODUCT INFORMATION.
- C. SEE ELEVATIONS FOR ADDITIONAL FINISHES.
- D. FOR CEILING HEIGHTS AND ADDITIONAL FINISHES SEE RCP'S.
- E. COORDINATE ALL OWNER FURNISHED EQUIPMENT, ACCESSORIES, AND FURNITURE WITH OWNER.
- F. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
- G. ALL FLOOR TRANSITIONS ARE TO OCCUR DIRECTLY BENEATH DOOR U.N.O.
- H. PROVIDE APPROPRIATE TRANSITIONS STRIPS/REDUCERS AT ALL LOCATIONS BETWEEN DIFFERING MATERIALS U.N.O. SEE TRANSITION CALL OUTS. ALL TRANSITIONS TO MEET ADA REQUIREMENTS.
- I. REFER TO FINISH PLAN FOR LOCATION OF CORNER GUARDS. ALL CORNER GUARDS ARE TO BE INSTALLED WITH BOTTOM OF CORNER GUARD AT TOP OF WALL BASE AND EXTEND 48" AFF.
- J. ALL GYPSUM CEILING TO BE PAINTED PT1 U.N.O.
- K. ALL HOLLOW METAL DOORS AND FRAMES TO RECEIVE COLOR: PT2 U.N.O.
- L. ALL METAL ACCESS PANELS, COVER PLATES, VENTS AND GRILLES TO BE PAINTED TO MATCH THE SURFACE IT IS LOCATED ON, UNLESS PREFINISHED.
- M. ALL BASE CABINETS AND UPPER CABINETS ARE TO RECEIVE PLAM ON ALL EXPOSED EXTERIOR SURFACES AS INDICATED ON INTERIOR ELEVATIONS. ALL INTERIOR CONCEALED SURFACES TO RECEIVE WHITE MELAMINE. RUN WOOD GRAIN IN VERTICAL DIRECTIONS AND USE 0.020" THICK MATCHING VINYL EDGE BAND ON CABINET DOORS AND DRAWERS.
- N. ALL COUNTERTOPS ARE RECEIVE BACKSPASHES TO MATCH. PROVIDE PAINTABLE SEALANT AT WALL.
- O. PAINT VISIBLE PORTION OF INSIDE OF DUCT WORK FLAT BLACK.
- P. PAINT SHEEN - WALL: SATIN/EGG SHELL, CEILING: FLAT/MATTE, TRIM & DOOR FRAMES: SEMI-GLOSS

ADDITIONAL NOTES

- 1. PROVIDE FRP2 UP TO 96" A.F.F. w/ RUBBER BASE AT PARTITION WALL AT GRID 3
- 2. PROVIDE FRP2 UP TO 96" A.F.F. w/ RUBBER BASE AT WOOD FRAMED PARTITION WALLS SEPARATING THE OFFICE SPACE
- 3. PROVIDE 1/2" PLYWOOD UP TO 96" A.F.F. ALONG SOUTH WALL AT GRID 1



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455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOOL DISTRICT NEW BUS BARN



DATE	Description
10-30-24	REVISION 1

PROJECT NO. G-1533-22
DRAWN: LJS
CHECKED: DDS
DATE: 02-13-2024

FLOOR PLAN

A1.10

BID AND PERMIT SET

ROOF PLAN GENERAL NOTES

- A. ALL WORK AND MATERIALS SHALL CONFORM TO ALL APPLICABLE STATE AND LOCAL REGULATIONS, STANDARDS AND MFR. SPECIFICATIONS AND THE 2022 OSSC. CONTACT ARCHITECT FOR DIRECTIVE IN THE EVENT OF CONFLICTING STANDARDS AND SPECS.
- B. VERIFY ALL DIMENSIONS, ELEVATIONS AND LOCATIONS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF RECORD OF ANY DISCREPANCIES. DIMENSIONS ON THIS PLAN ARE NOT SUITABLE FOR MATERIAL ORDERING USE. CONTRACTOR MUST FIELD VERIFY ALL DIMENSIONS PRIOR TO BIDDING AND ORDERING.
- C. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND MAINTENANCE OF ALL TEMPORARY ROOF ACCESS SYSTEMS. ALL SYSTEMS MUST COMPLY WITH OSHA.
- D. THE PROPER DISPOSAL OF ALL DEMOLITION MATERIALS AND DEBRIS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL MAKE EFFORTS TO RECYCLE AS MUCH DEMOLITION MATERIAL AS POSSIBLE.
- E. COORDINATE STAGING AND MATERIALS STORAGE AREA WITH DISTRICT PERSONNEL.
- F. SECURITY OF STORED MATERIAL IS THE RESPONSIBILITY OF THE CONTRACTOR.
- G. NO PORTION OF THE ROOF SHALL BE LEFT UNPROTECTED AGAINST THE ELEMENTS BETWEEN CONTRACTOR SHIFTS.
- H. SEE PLAN SET AND/OR SPECIFICATIONS FOR MORE INFORMATION.



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ROOF SYMBOLS

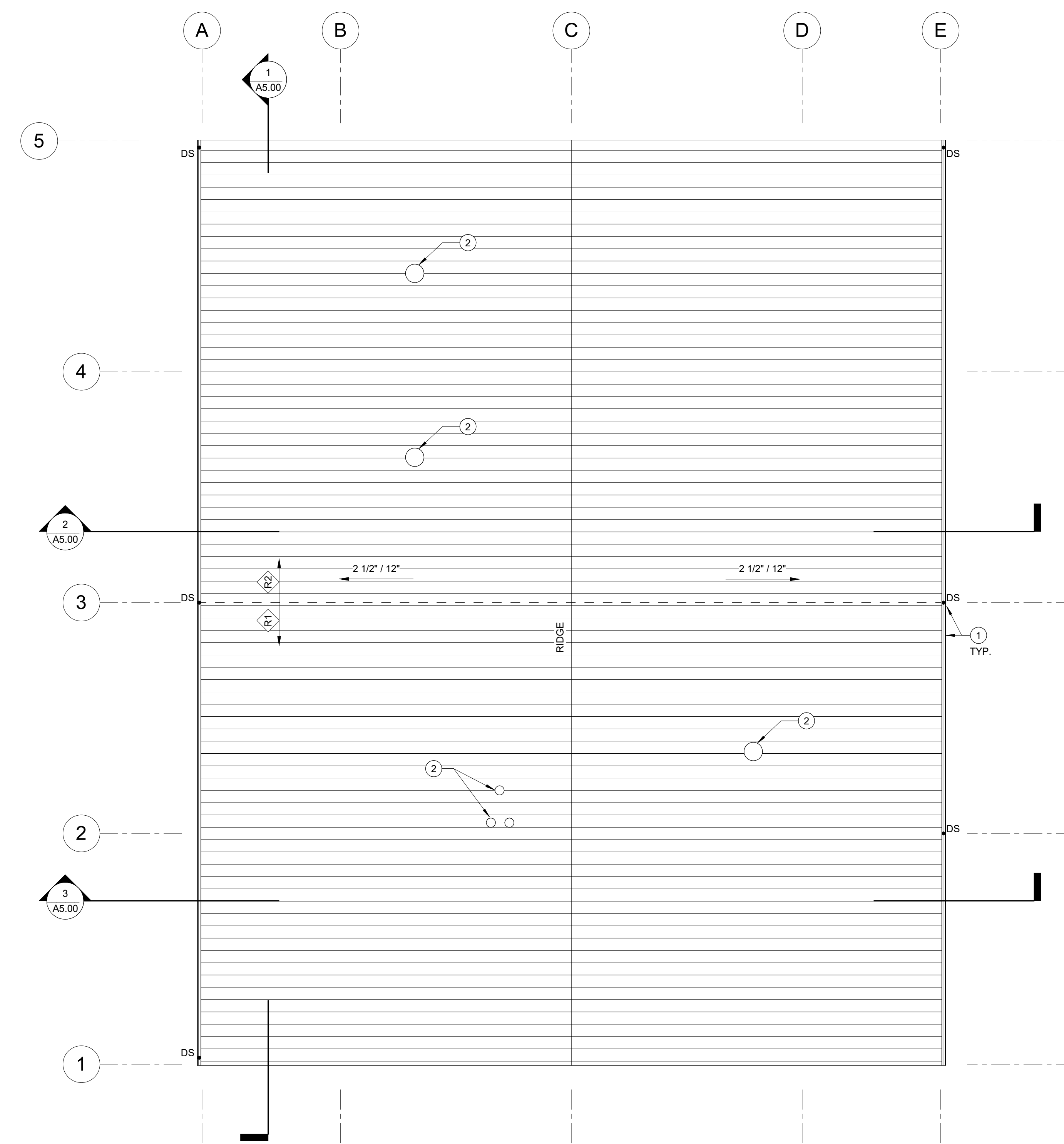
- ← ROOF SLOPE
- DS DOWNSPOUT LOCATION

ROOF PLAN KEYNOTES:

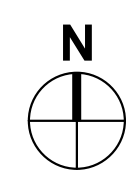
1. PRE-FINISHED GUTTER AND DOWNSPOUT BY PEMB
2. FLASH ANY PLUMBING AND EXHAUST VENTS PER PEMB MFR. DETAILS

ROOF TYPE LEGEND

- STANDING SEAM METAL ROOF PER PEMB MFR.
- ENTIRE ROOF STRUCTURE HAS BEEN DESIGNED FOR ADDITIONAL DEAD LOAD TO BE SOLAR-READY



1 ROOF PLAN
A1.20 1/8" = 1'-0"



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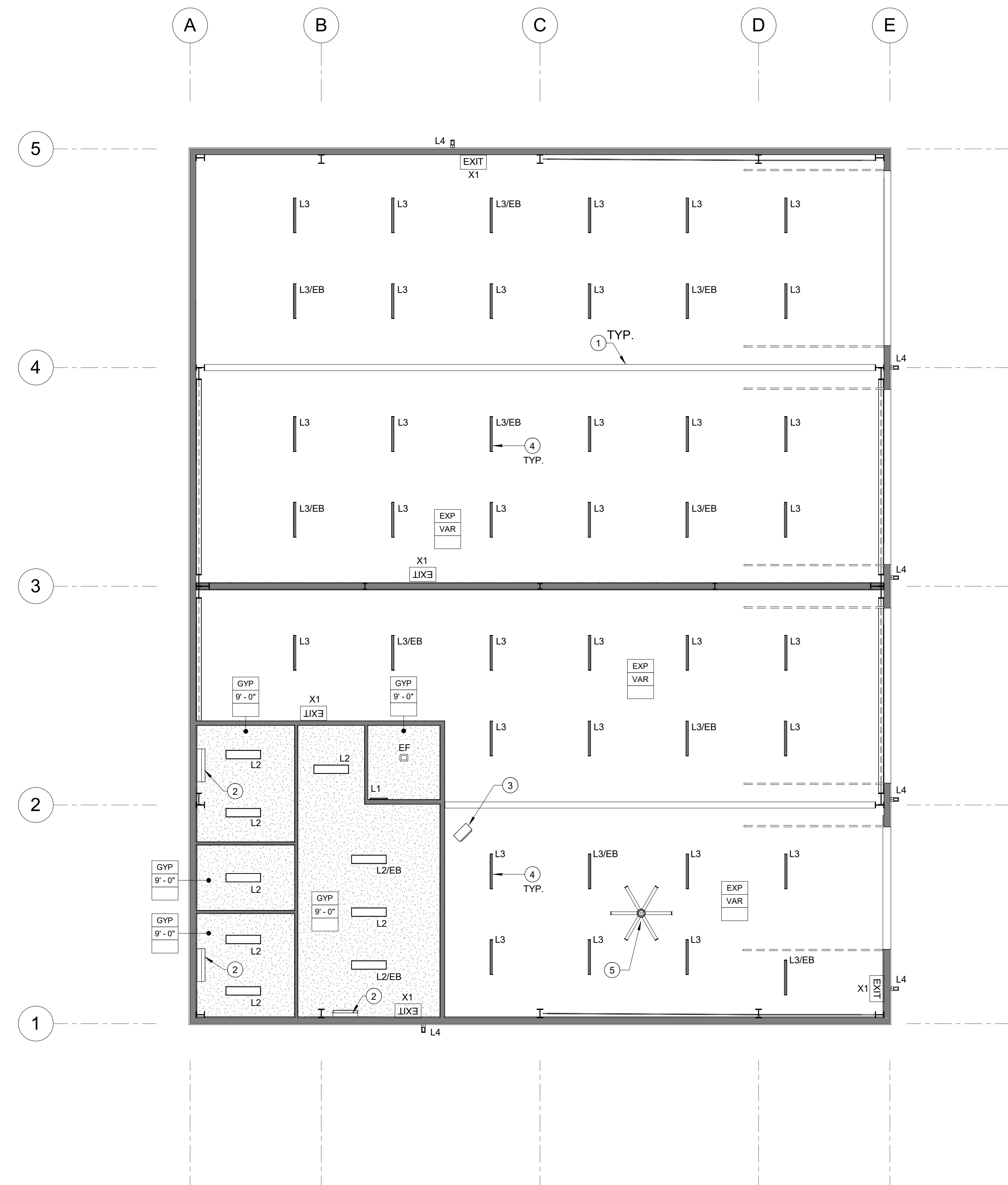
DATE	Description

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ROOF PLAN

A1.20

BID AND PERMIT SET



1
A2.10 REFLECTED CEILING PLAN
1/8" = 1'-0"

PLAN GENERAL NOTES:

- A. REFER TO ARCHITECTURAL FLOOR PLAN FOR ADDITIONAL DIMENSIONS.
- B. REFER TO MECHANICAL DRAWINGS FOR MECHANICAL SPECIFICATIONS, DUCTWORK, DUCT PENETRATIONS, EXHAUST FAN REQUIREMENTS.
- C. ALL DIMENSIONS ARE REFERENCED TO FACE OF FINISH U.N.O.
- D. ALL HEIGHT REFERENCES ARE TAKEN FROM DATUM-T.O.S. FOR AREA INDICATED.
- E. PROVIDE WALL BACKING FOR REINFORCEMENT AS REQUIRED.
- F. PROVIDE SOLID BLOCKING FOR ALL 'J' BOXES SUSPENDED LIGHT AND CEILING FAN FIXTURES, TELEVISION SUPPORT, ARTIFACT SHELVES AND ANY OTHER CEILING MOUNTED EQUIPMENT.
- G. ALL LIGHT FIXTURE TRIM RINGS, EXPOSED CONDUITS, 'J' BOXES, HVAC GRILLS, EMERGENCY LIGHT FIXTURES, DUPLEX OUTLETS AND FACE PLATES SHALL BE PAINTED TO MATCH THE ADJACENT FINISH U.N.O.
- H. ANY LIGHT NOT DIMENSIONALLY LOCATED TO BE CENTERED IN THE CEILING TILE, CEILING AREA, OR ROOM AS APPLICABLE. ALL "CAN" TYPE FIXTURES TO BE MOUNTED IN THE CENTER OF THE CEILING TILES U.N.O.
- I. USE USG DRYWALL SUSPENSION FLAT SYSTEM (OR EQUAL) FOR SUSPENDED AREAS OF GYP. BD. (TYP).
- J. PROVIDE 3/4" CONDUIT FOR DATA AND DUPLEX OUTLET IN CEILING FOR FUTURE TV.

REFLECTED CEILING LEGEND

ACT	←	CEILING MATERIAL
8'-0"	←	CEILING HEIGHT
NOTES	←	ADDITIONAL NOTES

CEILING TYPES

	GYPSUM BOARD CEILING
	EXPOSED TO ROOF
	LIGHTING - DESIGN BUILD
	HVAC - DESIGN BUILD

- CEILING FINISHES**
- GYP GYPSUM BOARD - PAINT
 - EXP EXPOSED STRUCTURE
- CEILING HEIGHT**
- VAR VARIES
- ADDITIONAL NOTES**
- 1. NOT USED

REFLECTED CEILING KEYNOTES

- 1. EXPOSED PEMB FRAMES
- 2. WALL-MOUNTED MINISPLIT PER DESIGN BUILD
- 3. SHOP HEATER PER DESIGN BUILD
- 4. SUSPEND LIGHT 16'-0" A.F.F., ADJUST HEIGHT AS NECESSARY*
- 5. CEILING FAN - BOTTOM OF FAN TO BE 16'-0" A.F.F., B.O.D.: CANARM 96" FANBOS 565 CFMW

FIXTURE SCHEDULE

- *SEE LUMINAIRE SCHEDULE
- L1 VANITY LIGHT
 - L2 SURFACE MOUNTED LINEAR
 - L3 SUSPENDED LINEAR
 - L4 EXTERIOR WALL PACK
 - EF EXHAUST FANLED COMBO
 - X1 EXIT SIGN
 - EB PROVIDE EMERGENCY LIGHT BATTERY BACKUP IN FIXTURE



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DATE:	Description



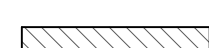
PROJECT NO. G-1533-22
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REFLECTED CEILING PLAN

A2.10

BID AND PERMIT SET

ELEVATION LEGEND

-  METAL SIDING
-  STANDING SEAM METAL ROOFING
-  SOLAR-READY AREA PER 2022 OSSC 3111.4 - SEE ROOF PLAN

ELEVATION KEYNOTES

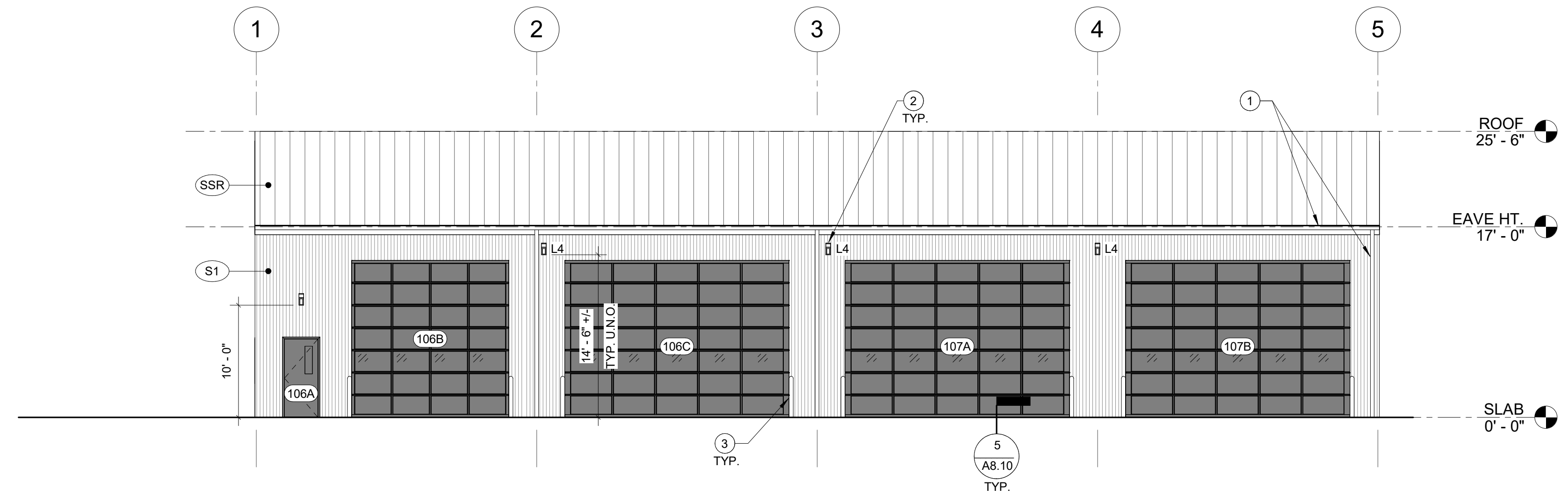
1. PRE-FINISHED GUTTER AND DOWNSPOUTS BY PEMB, COLOR TBD
2. EXTERIOR WALL PACK LIGHT, SEE LUMINAIR SCHEDULE
3. BOLLARDS, SEE CIVIL
4. PRE-FINISHED TRIM BY PEMB, COLOR TBD



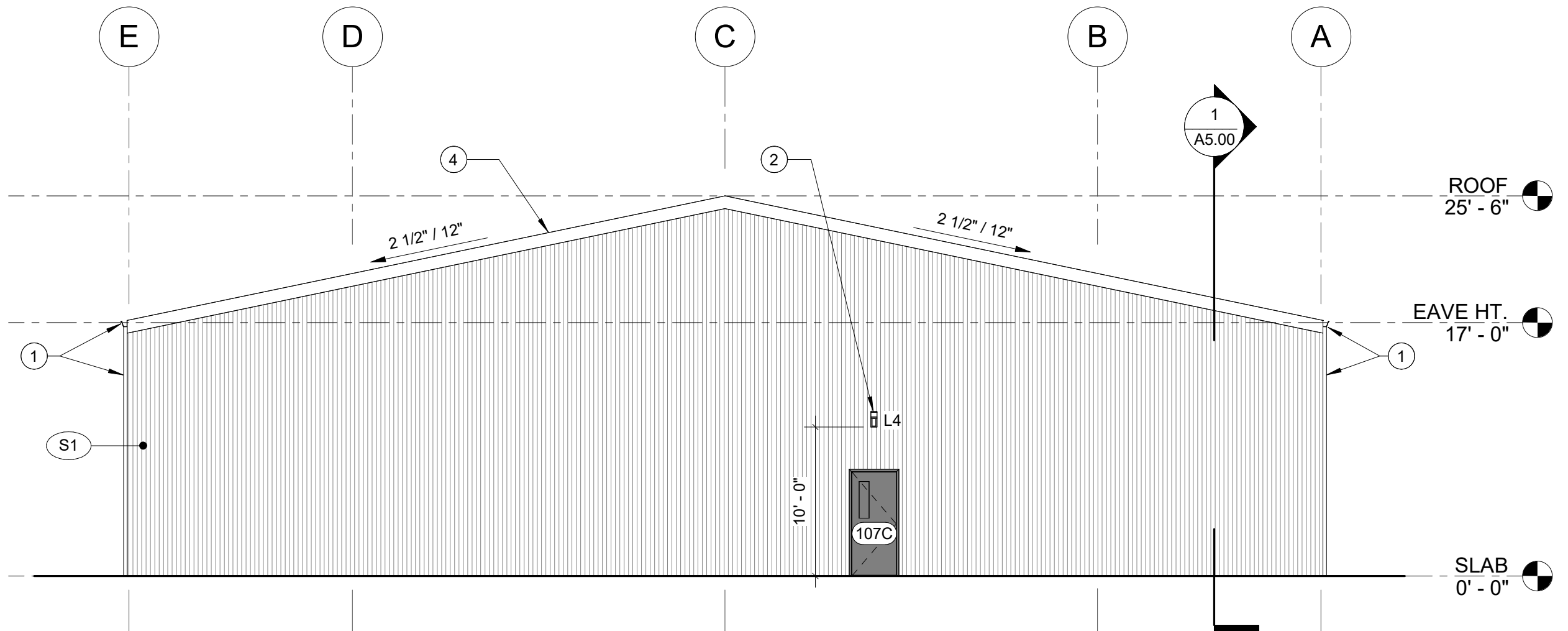
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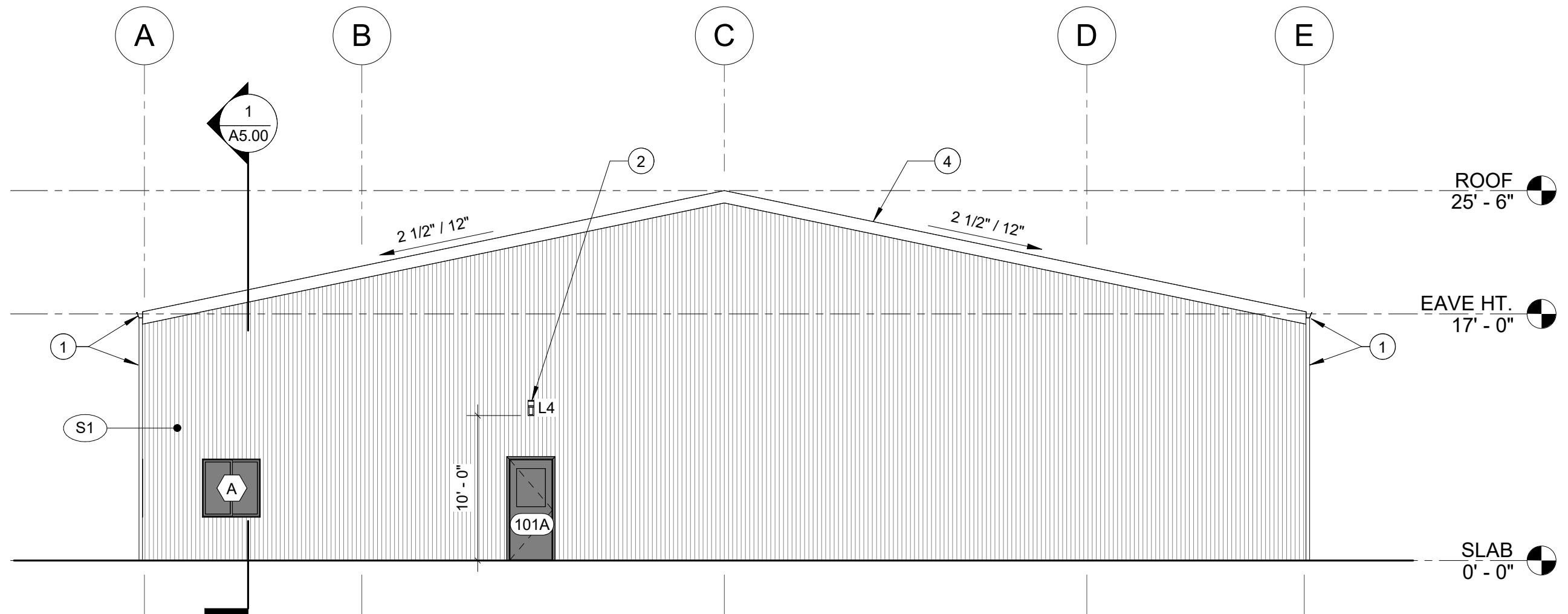
BANDON SCHOOL DISTRICT NEW BUS BARN



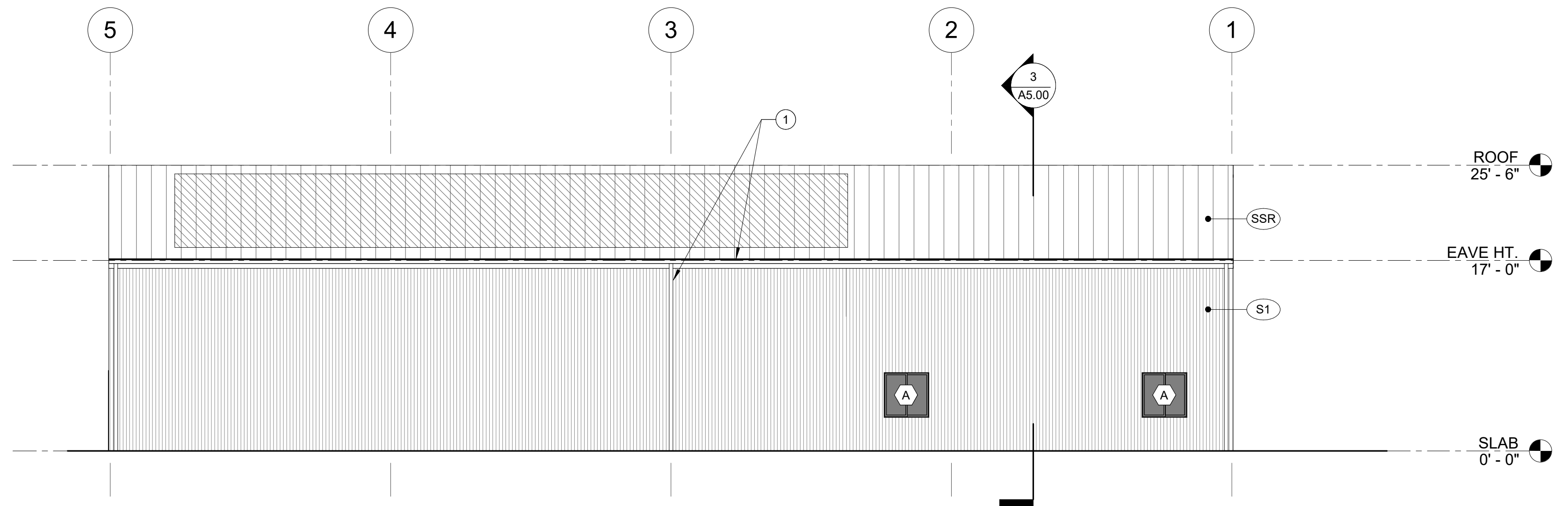
1 EXTERIOR ELEVATION - EAST
A4.00 1/8" = 1'-0"



2 EXTERIOR ELEVATION - NORTH
A4.00 1/8" = 1'-0"



3 EXTERIOR ELEVATION - SOUTH
A4.00 1/8" = 1'-0"



4 EXTERIOR ELEVATION - WEST
A4.00 1/8" = 1'-0"

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EXTERIOR ELEVATIONS

A4.00

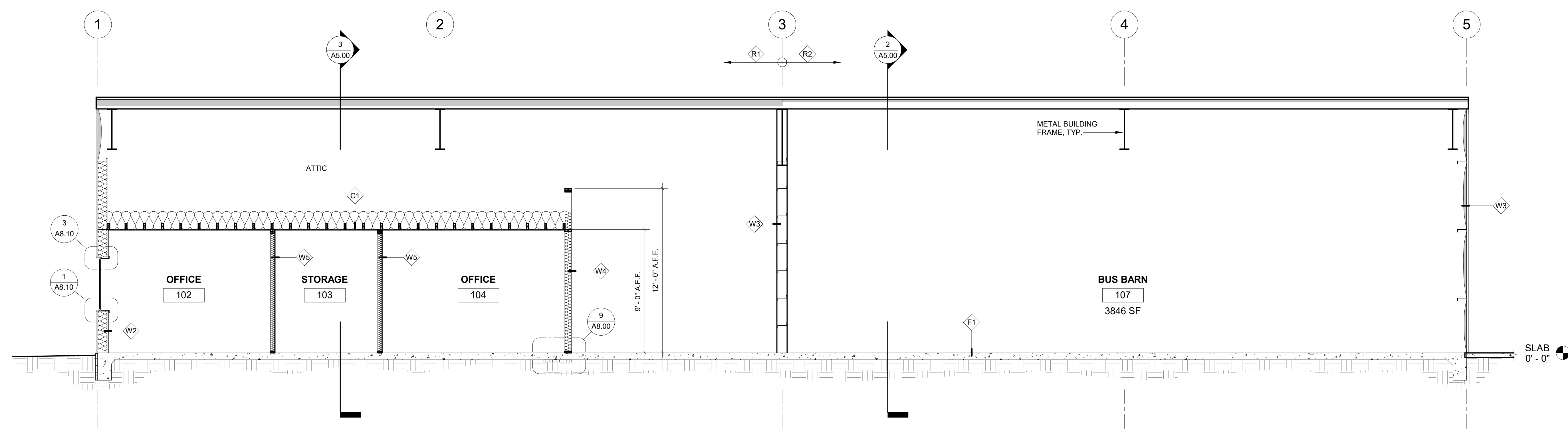
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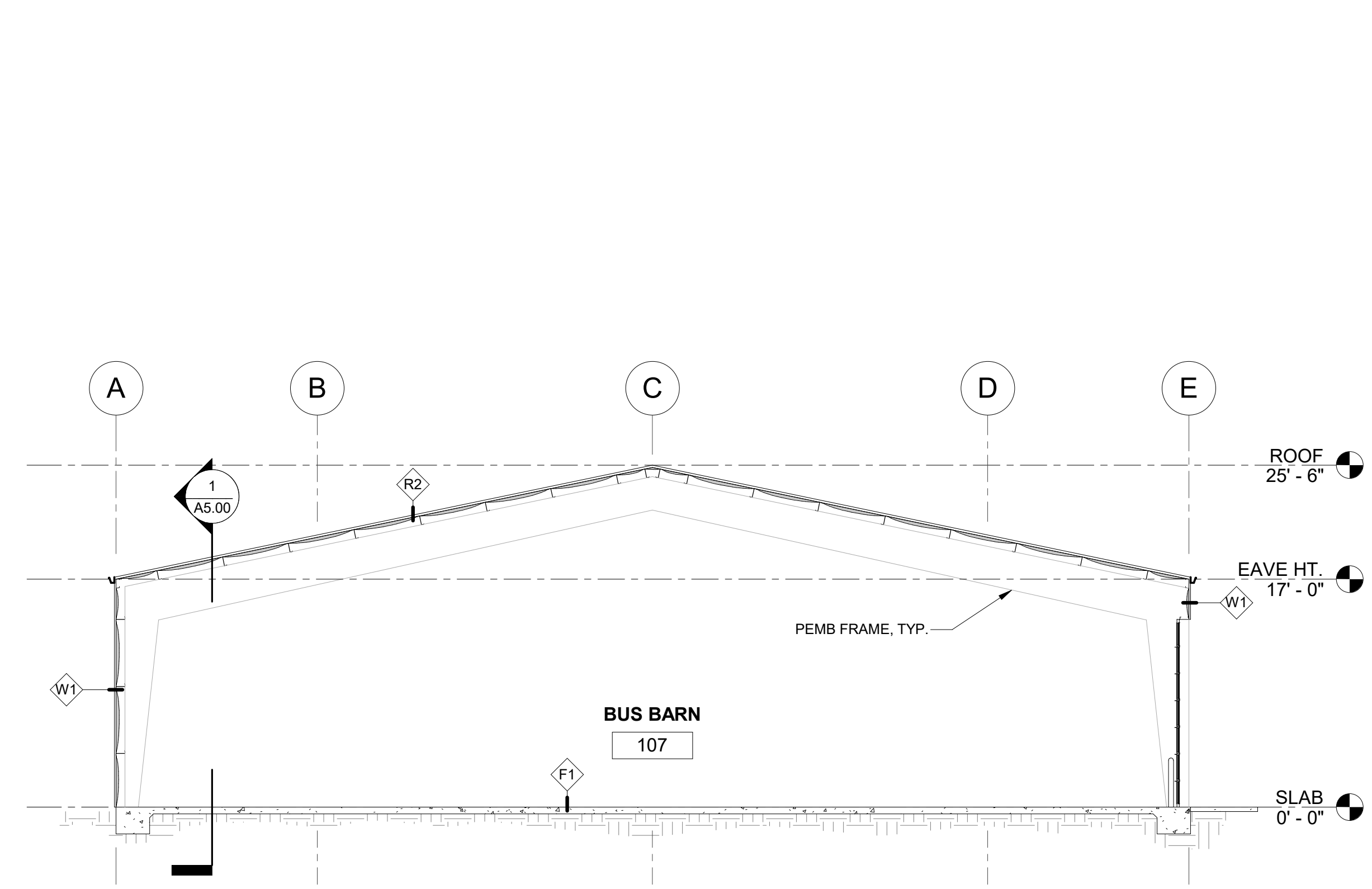
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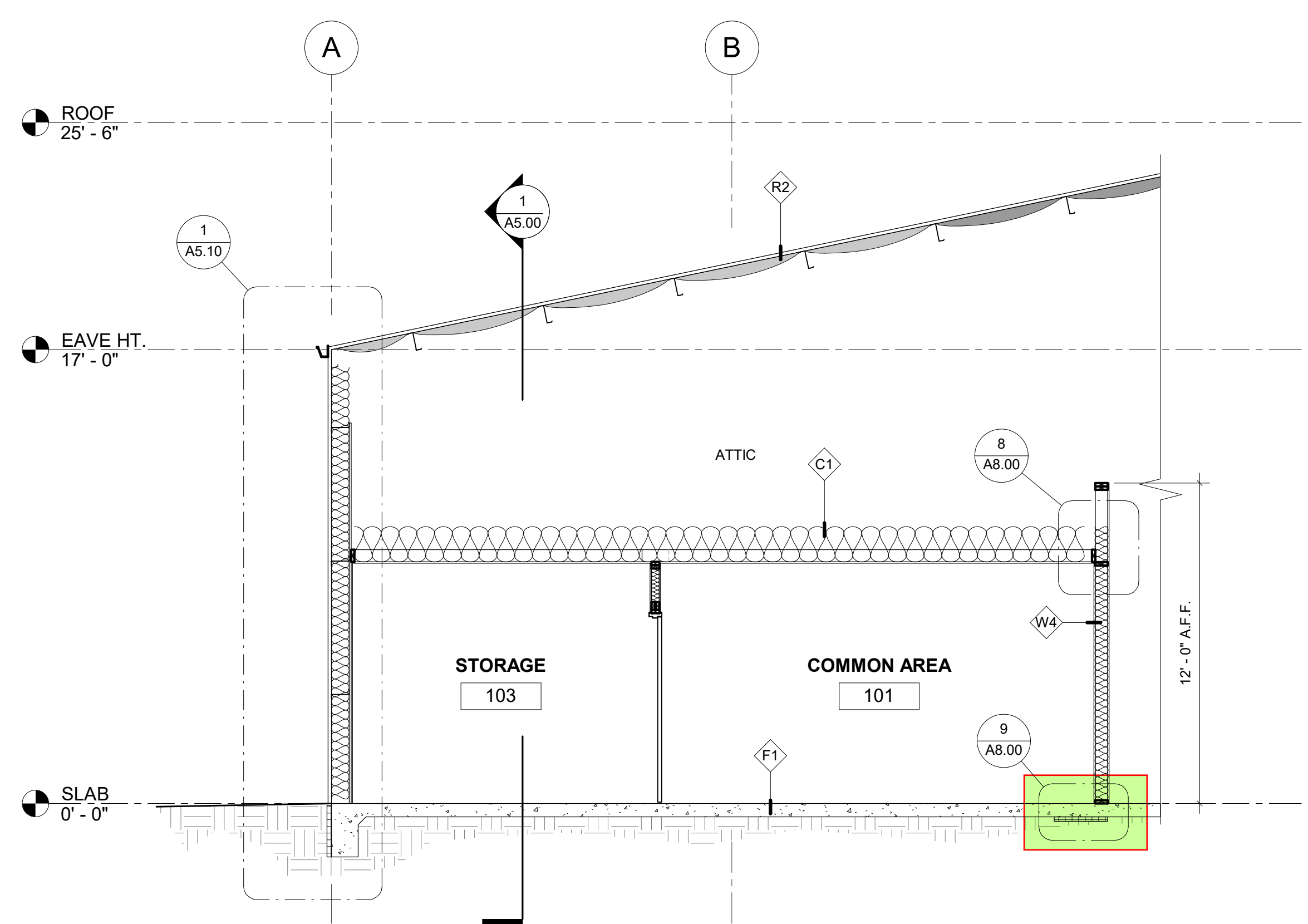
BANDON SCHOOL DISTRICT NEW BUS BARN



1 LONGITUDINAL SECTION
A5.00 1/4" = 1'-0"



2 CROSS SECTION
A5.00 1/8" = 1'-0"



3 PARTIAL CROSS SECTION
A5.00 1/4" = 1'-0"

ONE INCH EQUALS FULL SCALE 10/30/2024 8:43:50 AM



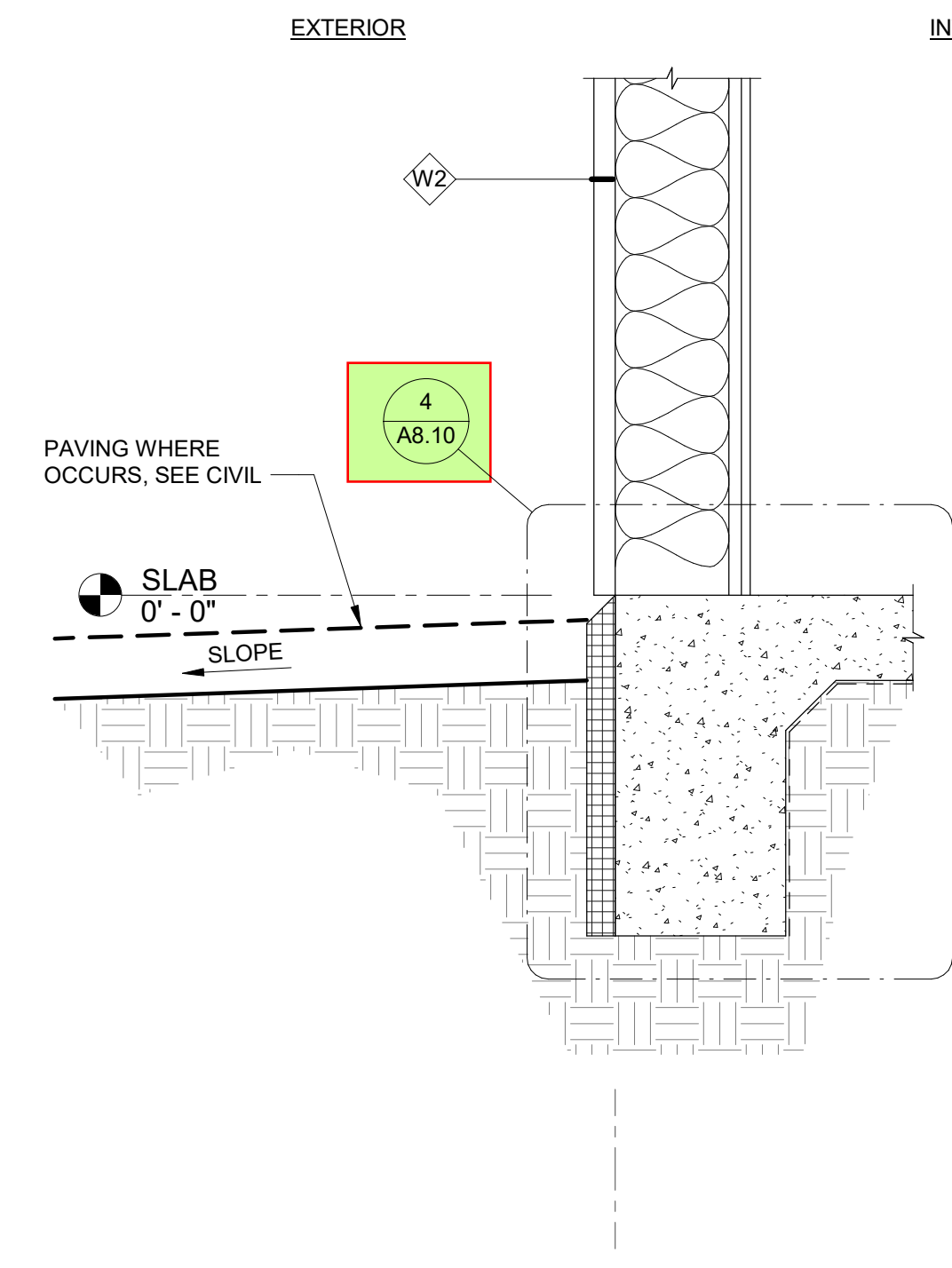
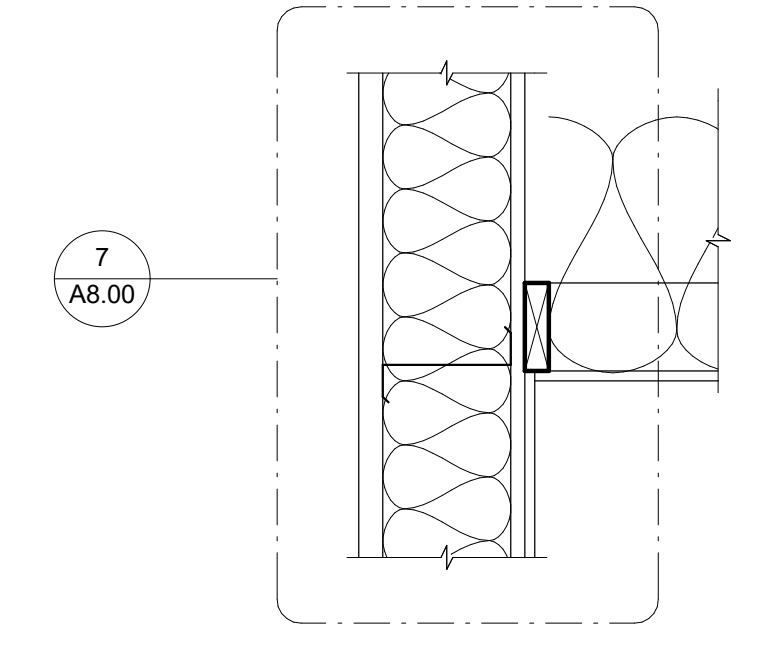
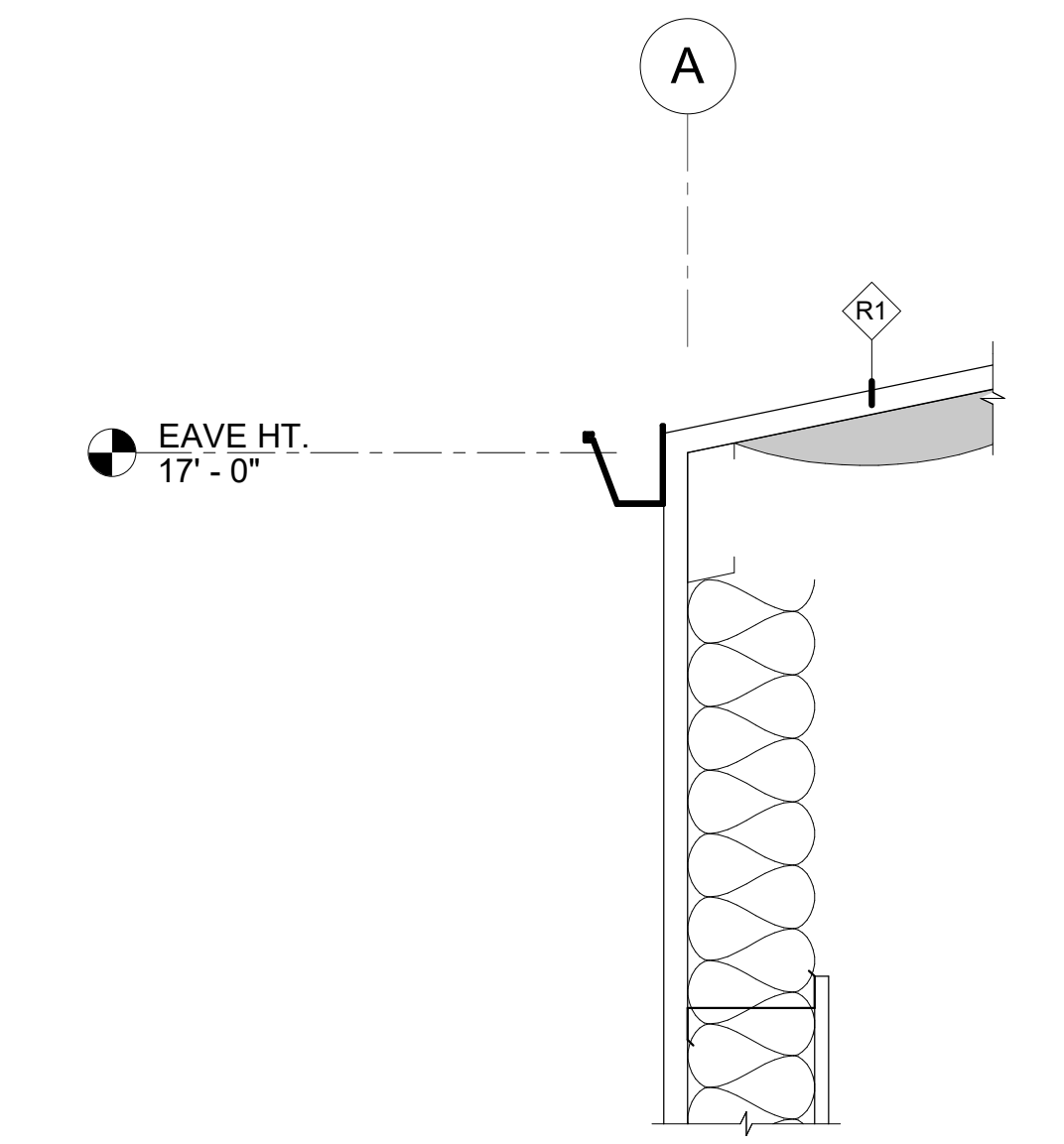
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BUILDING SECTIONS

A5.00

BID AND PERMIT SET



1 WALL SECTION
A5.10 1" = 1'-0"



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WALL SECTIONS

A5.10

BID AND PERMIT SET

PLUMBING SCHEDULE											
FIXTURE					CONNECTIONS			TRIM / ACCESSORIES			DESIGN BUILD SCOPE. PLUMBER TO VERIFY BALANCE OF FIXTURES & ACCESSORIES. INSTALL PER CODE.
TYPE	DESCRIPTION	MOUNTING	MANUFACTURER	MODEL NAME / NUMBER	W	CW	HW	DESCRIPTION	MANUFACTURER	MODEL NUMBER	NOTES
T1	TOILET	FLOOR MOUNTED	AMERICAN STANDARD	2467.1	4"	1/2"	-	SEAT	AMERICAN STANDARD	5503A00B	INSTALL PER ADA STANDARDS
S1	RESTROOM SINK	WALL MOUNTED	KOHLER	K-1728-0	1 1/4"	3/8"	3/8"	SINK FAUCET VANDAL GUARD	KOHLER ZURN	K-15583-4RA-CP Z6900-VG	INSTALL PER ADA STANDARDS, PROVIDE PIPE SLEEVE
S2	KITCHEN SINK	COUNTERSUNK	ELKAY	BLH15C	2"	-	-	SINK FAUCET	ELKAY	LKDA2437C	PARALLEL APPROACH ACCESSIBLE

RESTROOM ACCESSORY SCHEDULE						
TYPE	DESCRIPTION	MANUFACTURER	MODEL NAME / NUMBER	SIZE	FINISH	NOTES
SD	SOAP DISPENSER	BOBRICK	B-2111	4 3/4" W x 8 1/8" H x 2 3/4" D	STAINLESS STEEL W/ SATIN FINISH	-
MR	MIRROR	BOBRICK	B-165 1830	18" W x 30" H	STAINLESS STEEL W/ BRIGHT POLISH FINISH	-
PD	PAPER TOWEL DISPENSER & WASTE RECEPTACLE	BOBRICK	B-3699	14" W x 28" H x 4" D	STAINLESS STEEL W/ SATIN FINISH	-
TD	TOILET TISSUE DISPENSER	BOBRICK	B-4388	7 9/16" W x 12 1/2" H x 2 15/16" D	STAINLESS STEEL W/ SATIN FINISH	-
GB	GRAB BARS	BOBRICK	B-6806	18", 36", 42"	STAINLESS STEEL W/ SATIN FINISH	-

GENERAL NOTES

- A. VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECT IF DISCREPANCIES OCCUR.
- B. G.C. SHALL COORDINATE ALL INTERIOR AND EXTERIOR FINISHES W/ OWNER PRIOR TO CONSTRUCTION.
- C. G.C. SHALL PROVIDE SAFETY GLAZING FOR ALL WINDOWS WITHIN 24" OF ANY DOOR AND ALL OTHER CRITICAL LOCATIONS AS STATED PER OSSC SECTION 2406.4.
- D. G.C. TO PROVIDE FIRE BLOCKING AS REQUIRED PER CODE.
- E. G.C. SHALL PROVIDE ALL APPROPRIATE BACKING AS REQUIRED FOR ACCESSORIES AND OTHER MISCELLANEOUS ITEMS.
- F. G.C. TO COORDINATE INSTALLATION OF ALL UTILITIES W/ RESPECTIVE SUPPLIERS/SUBCONTRACTORS PRIOR TO CONSTRUCTION, TYPICAL.
- G. ALL ELECTRICAL, MECHANICAL AND PLUMBING TO BE DESIGN BUILD PER APPLICABLE CODES.
- H. ALL DIMENSION LINES TO THE FACE OF FRAMING, U.N.O.

FINISH PLAN NOTES

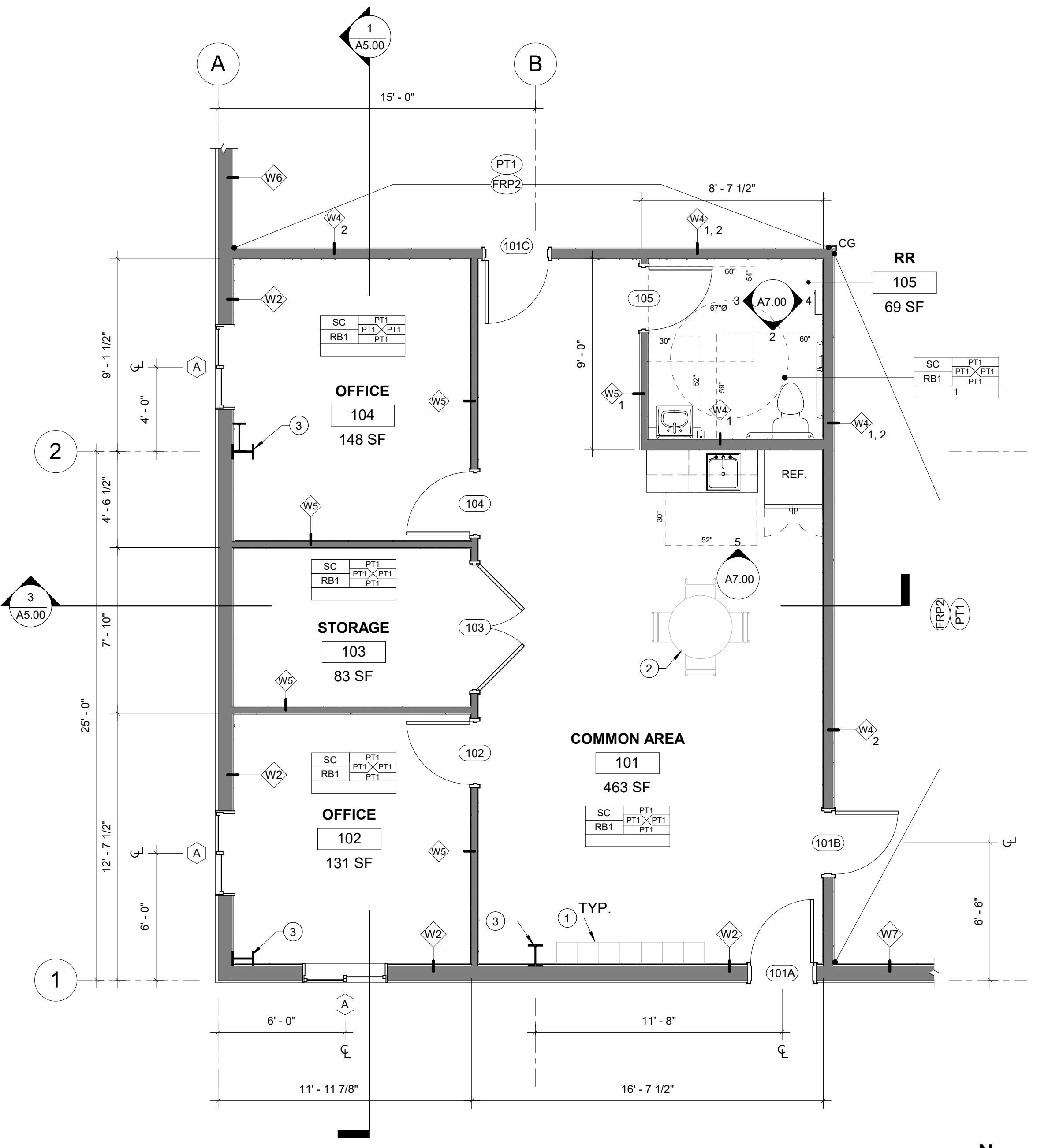
- A. ALL PRODUCTS ARE TO BE INSTALLED PER MANUFACTURERS INSTRUCTIONS, USING MANUFACTURERS ADHESIVES, TOOLS AND METHODS.
- B. REFER TO SPECIFICATIONS AND FINISH SCHEDULES FOR FURTHER FINISH MATERIAL PRODUCT INFORMATION.
- C. SEE ELEVATIONS FOR ADDITIONAL FINISHES.
- D. FOR CEILING HEIGHTS AND ADDITIONAL FINISHES SEE RCP'S.
- E. COORDINATE ALL OWNER FURNISHED EQUIPMENT, ACCESSORIES, AND FURNITURE WITH OWNER.
- F. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
- G. ALL FLOOR TRANSITIONS ARE TO OCCUR DIRECTLY BENEATH DOOR U.N.O.
- H. PROVIDE APPROPRIATE TRANSITIONS STRIPS/REDUCERS AT ALL LOCATIONS BETWEEN DIFFERING MATERIALS U.N.O. SEE TRANSITION CALL OUTS. ALL TRANSITIONS TO MEET ADA REQUIREMENTS.
- I. REFER TO FINISH PLAN FOR LOCATION OF CORNER GUARDS. ALL CORNER GUARDS ARE TO BE INSTALLED WITH BOTTOM OF CORNER GUARD AT TOP OF WALL BASE AND EXTEND 48" AFF.
- J. ALL GYPSUM CEILING TO BE PAINTED PT1 U.N.O.
- K. ALL HOLLOW METAL DOORS AND FRAMES TO RECEIVE COLOR: PT2 U.N.O.
- L. ALL METAL ACCESS PANELS, COVER PLATES, VENTS AND GRILLES TO BE PAINTED TO MATCH THE SURFACE IT IS LOCATED ON, UNLESS PREFINISHED.
- M. ALL BASE CABINETS AND UPPER CABINETS ARE TO RECEIVE PLM ON ALL EXPOSED EXTERIOR SURFACES AS INDICATED ON INTERIOR ELEVATIONS. ALL INTERIOR CONCEALED SURFACES TO RECEIVE WHITE MELAMINE. RUN WOOD GRAIN IN VERTICAL DIRECTIONS AND USE 0.020" THICK MATCHING VINYL EDGE BAND ON CABINET DOORS AND DRAWERS.
- N. ALL COUNTERTOPS ARE RECEIVE BACKSPASHES TO MATCH. PROVIDE PAINTABLE SEALANT AT WALL.
- O. PAINT VISIBLE PORTION OF INSIDE OF DUCT WORK FLAT BLACK.
- P. PAINT SHEEN - WALL: SATINEGG SHELL, CEILING: FLAT/MATTE, TRIM & DOOR FRAMES: SEMI-GLOSS

ENLARGED PLAN LEGEND

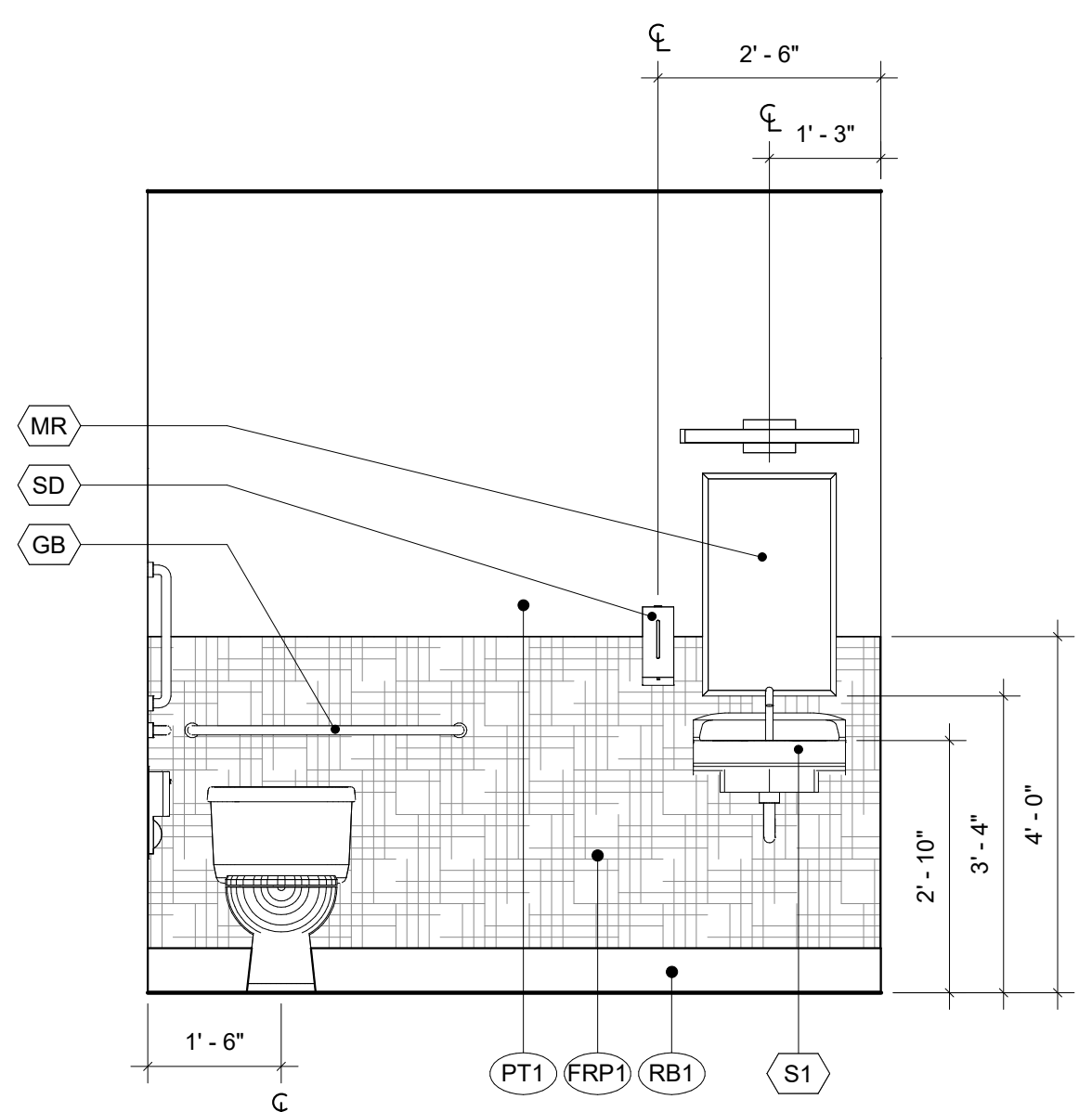
— FULL HEIGHT WALL / PARTITION

ENLARGED PLAN KEYNOTES

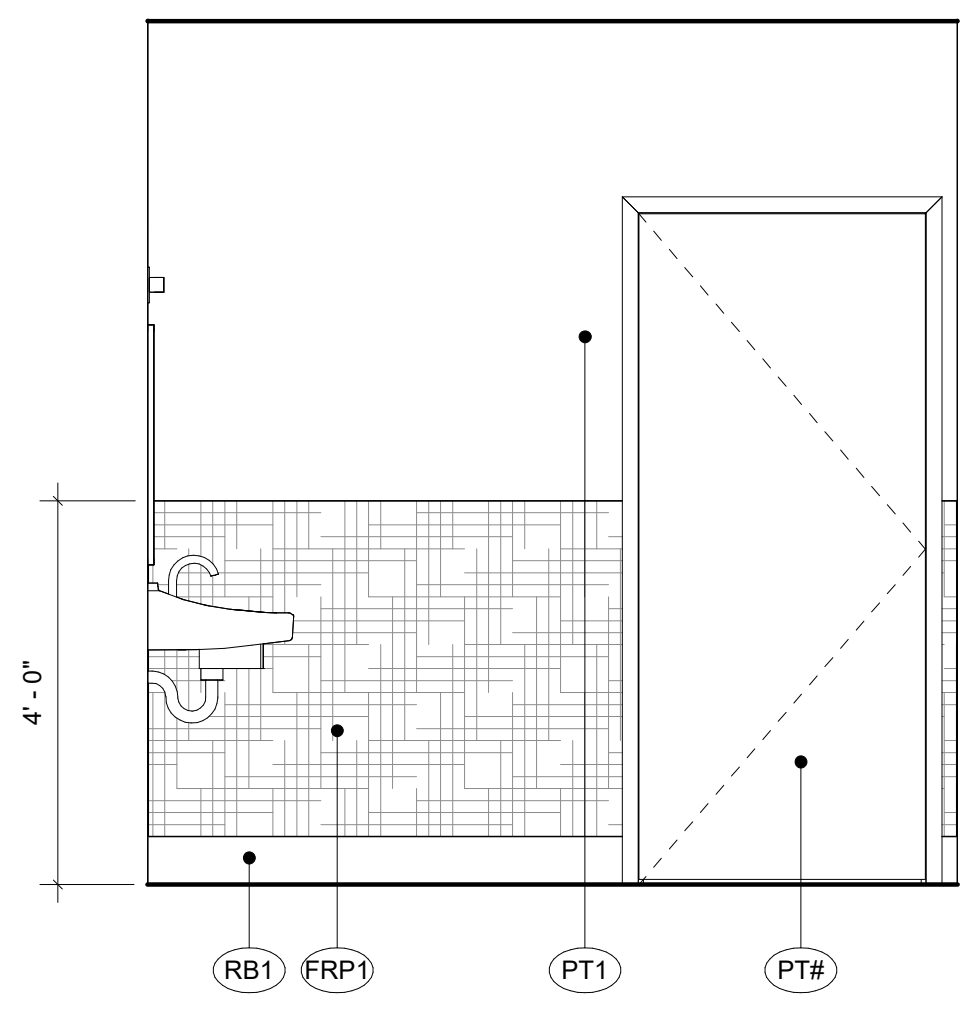
- 1. LOCKERS, OFCI
- 2. FURNITURE, OFCI
- 3. PEMB COLUMN



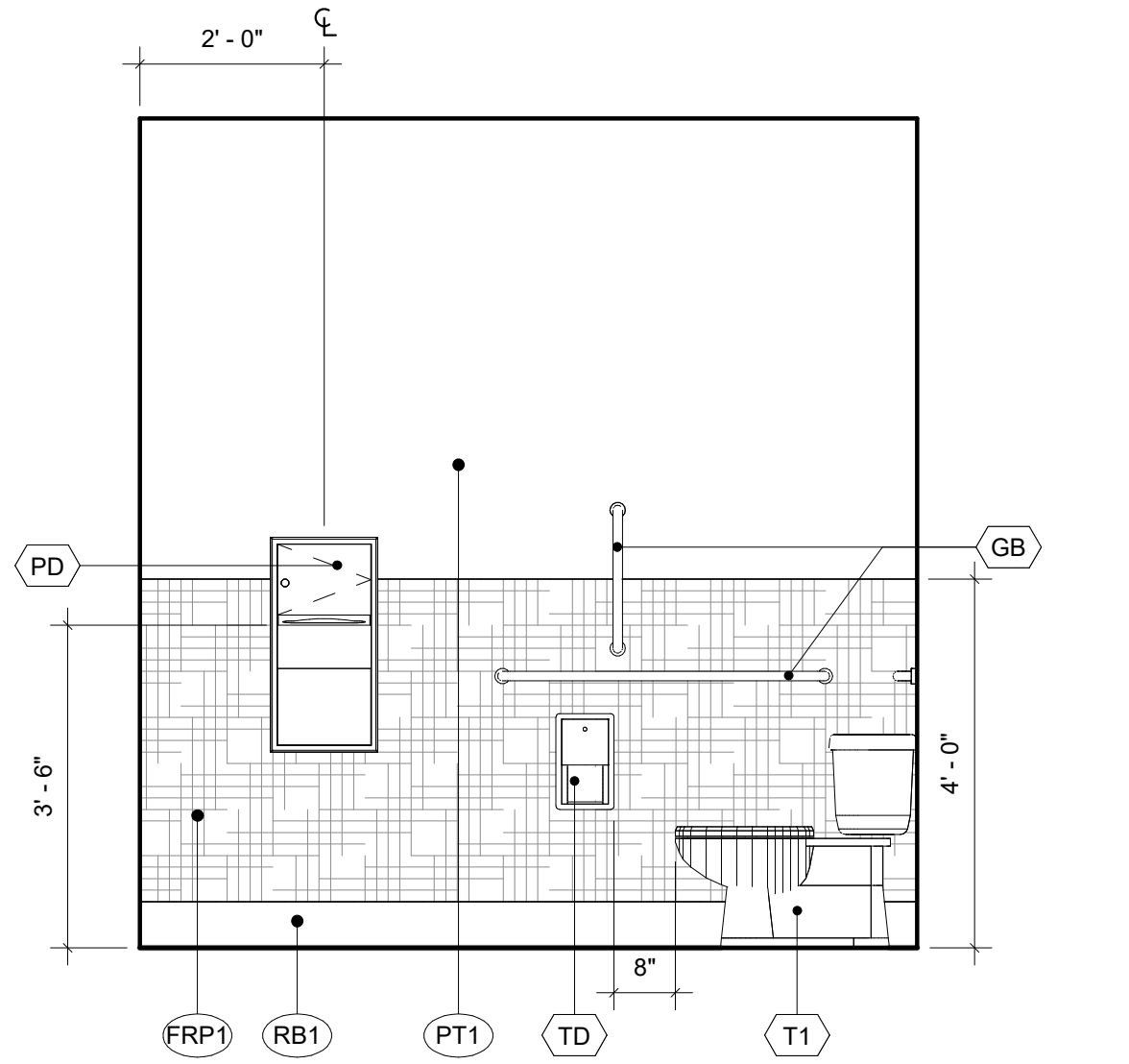
1 ENLARGED OFFICE PLAN
1/4" = 1'-0"



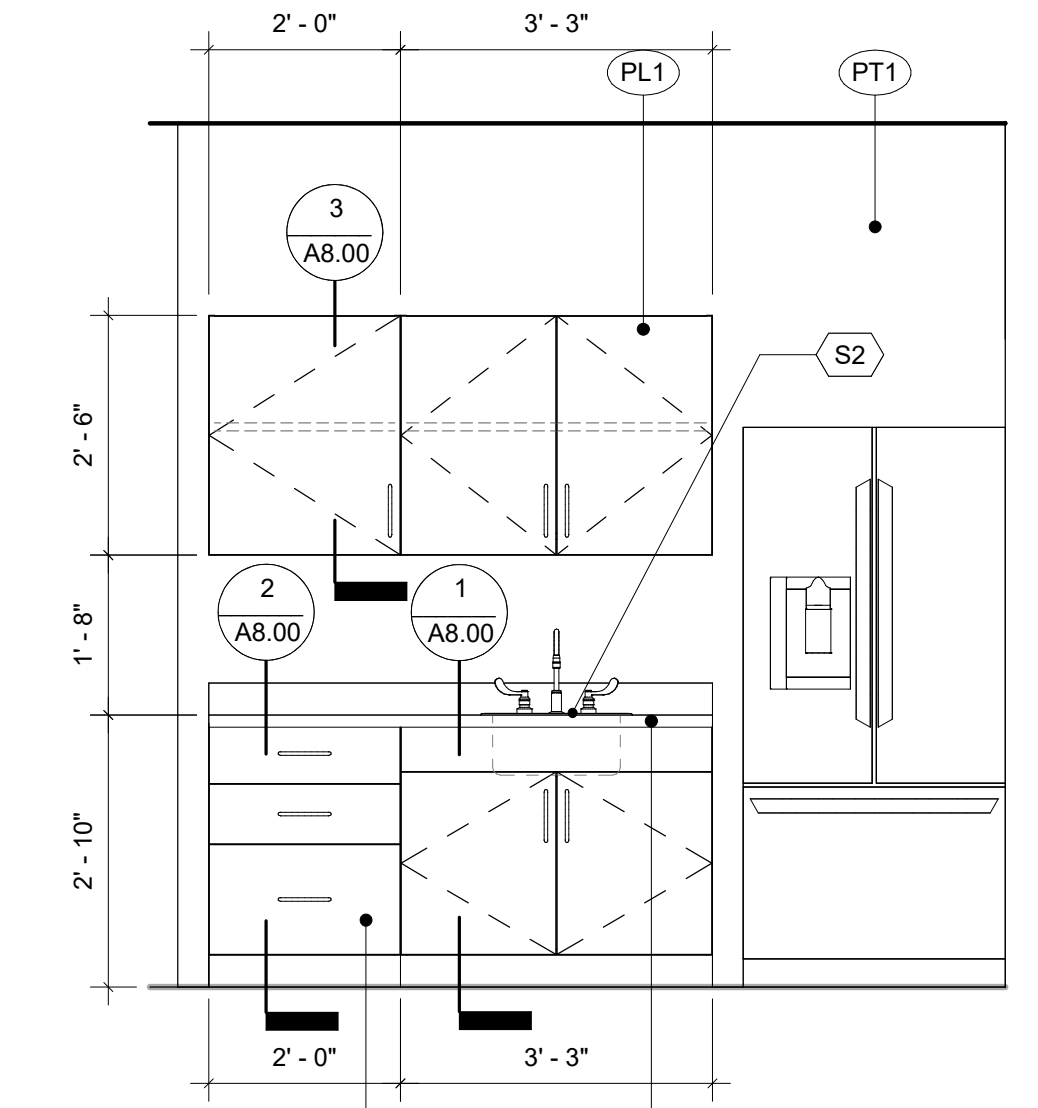
2 RR 105 - SOUTH
1/2" = 1'-0"



3 RR 105 - WEST
1/2" = 1'-0"



4 RR 105 - EAST
1/2" = 1'-0"

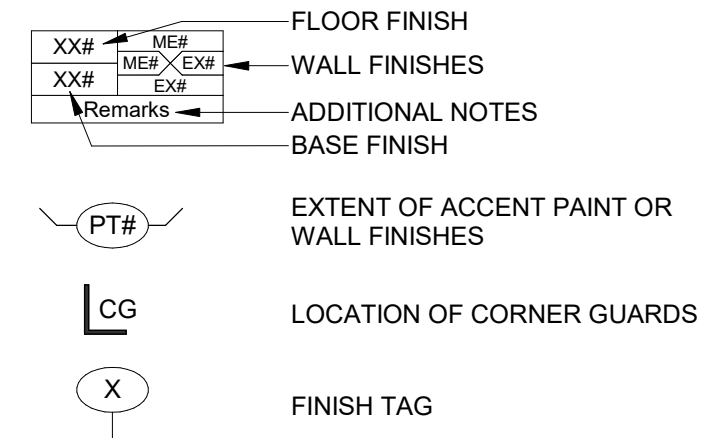


5 COMMON AREA 101 - NORTH
1/2" = 1'-0"

ADDITIONAL NOTES

- 1. PROVIDE FRP1 UP TO 48" A.F.F.

FINISH LEGEND



ROOM FINISH ABBREVIATIONS

FLOORING	
SC	SEALED CONCRETE
BASE	
RB#	RUBBER BASE
WALLS	
PT#	PAINT
GYP	GYPSUM WALL BOARD
WALL PROTECTION	
FRP#	FIBER REINFORCED PLASTIC PANEL
CG#	CORNER GUARD
CASEWORK	
PL#	PLASTIC LAMINATE



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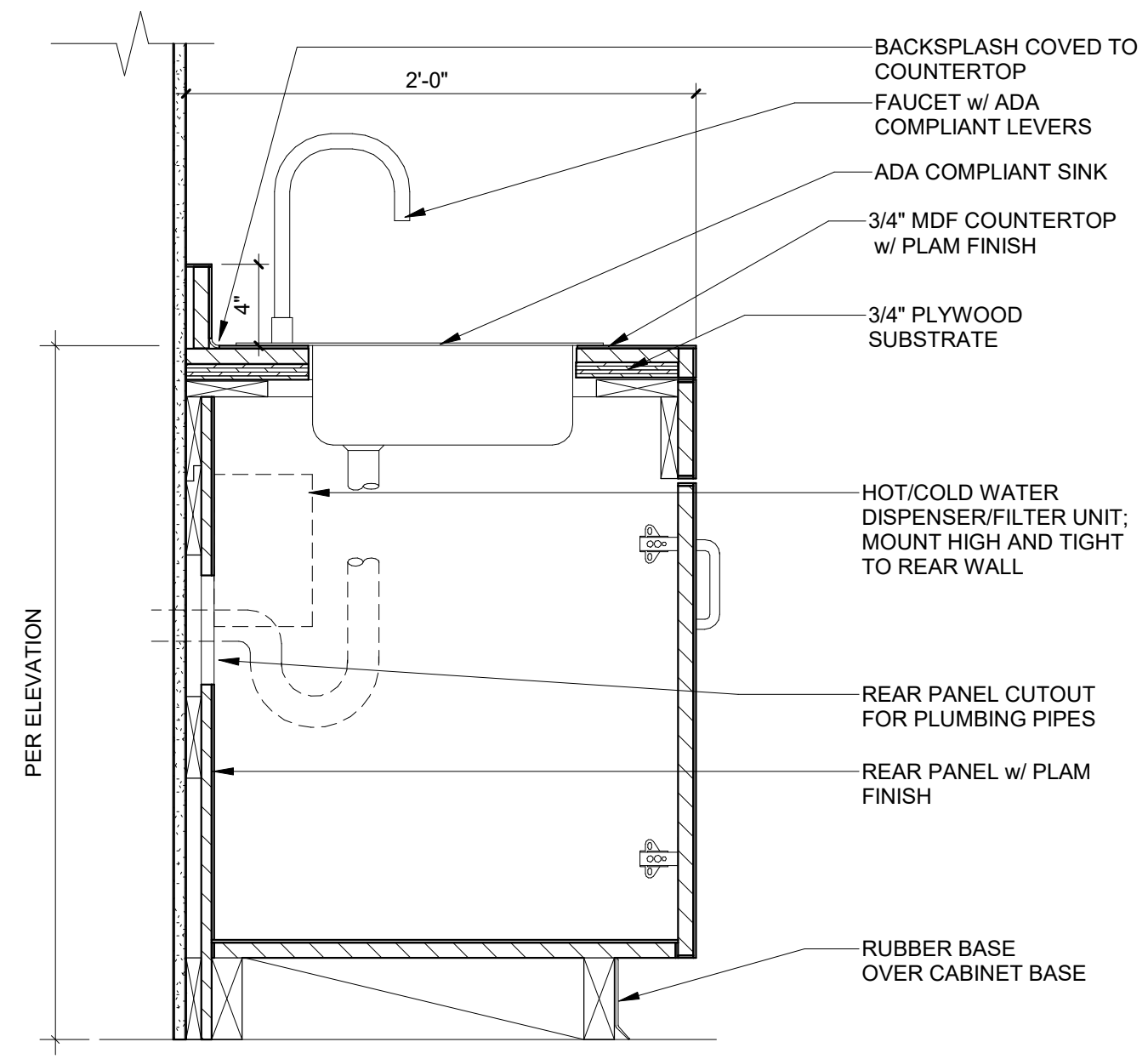
PROJECT NO. G-1533-22
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ENLARGED PLANS & INTERIOR ELEVATIONS

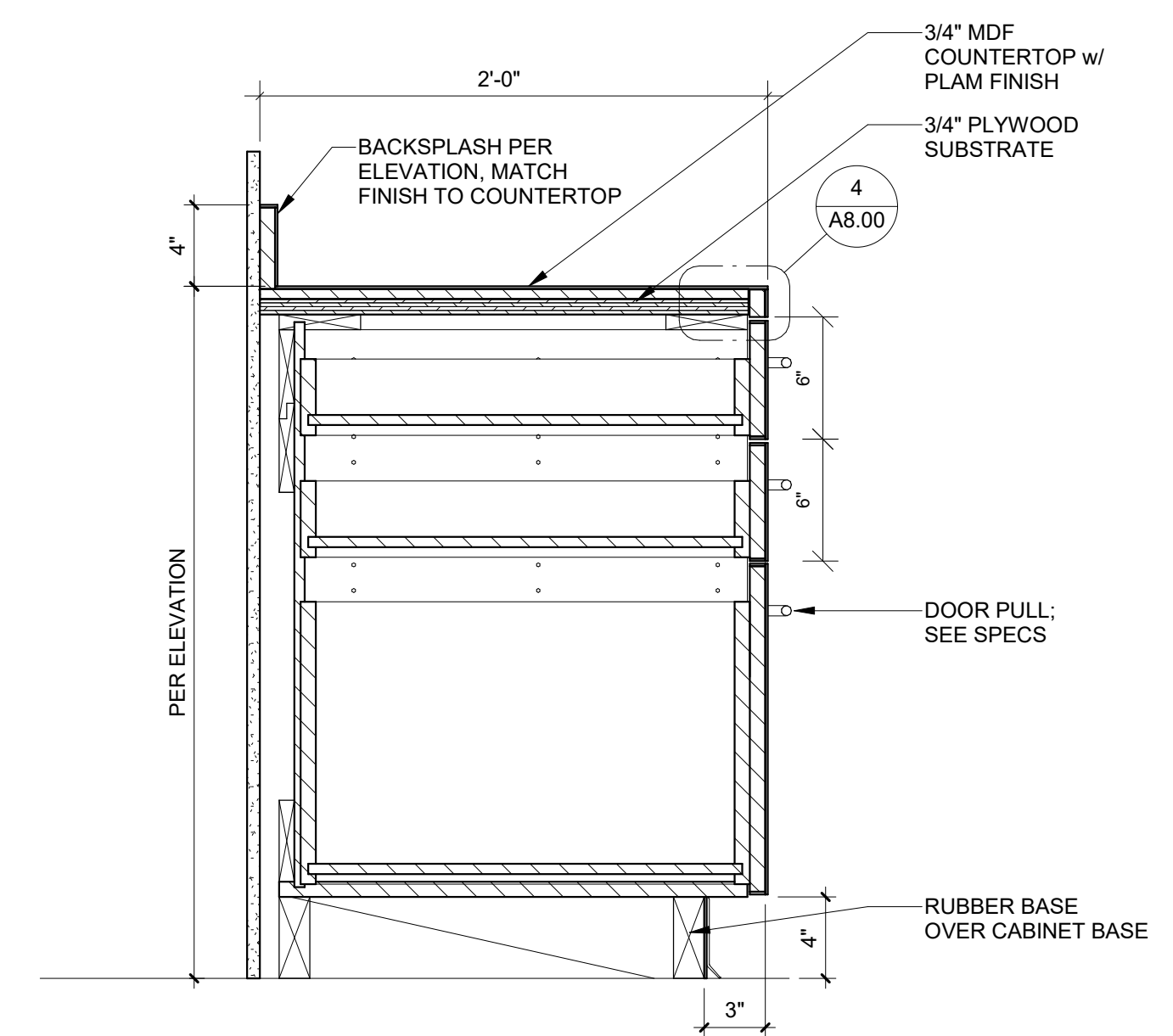
A7.00

BID AND PERMIT SET

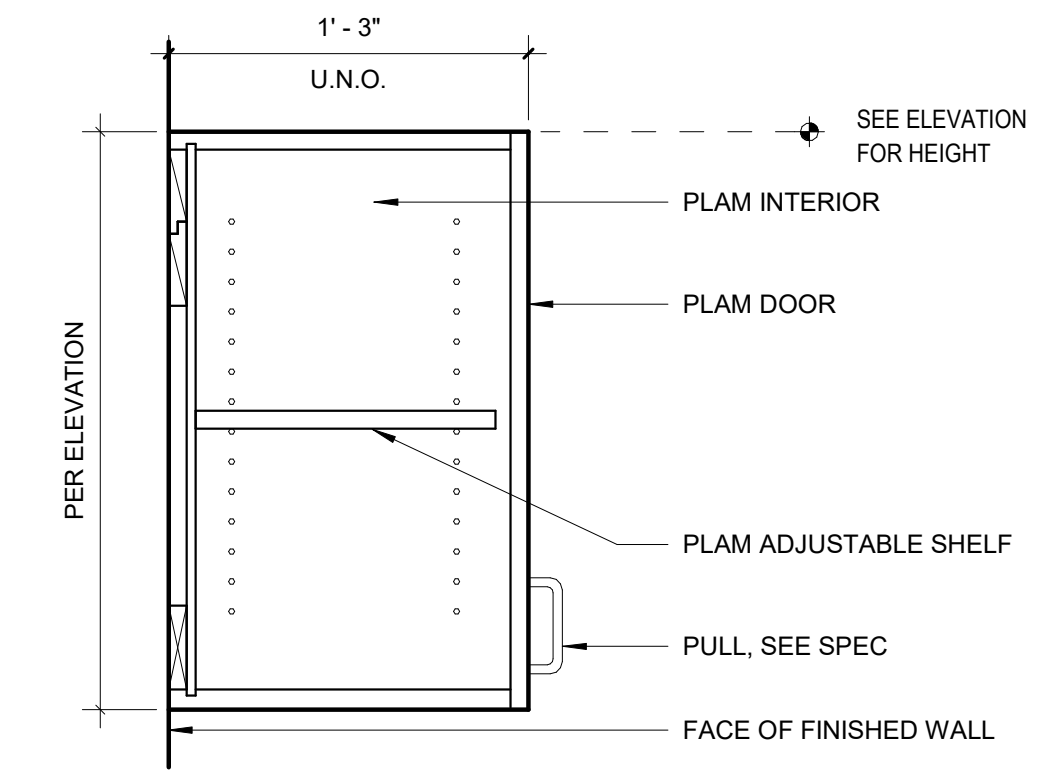
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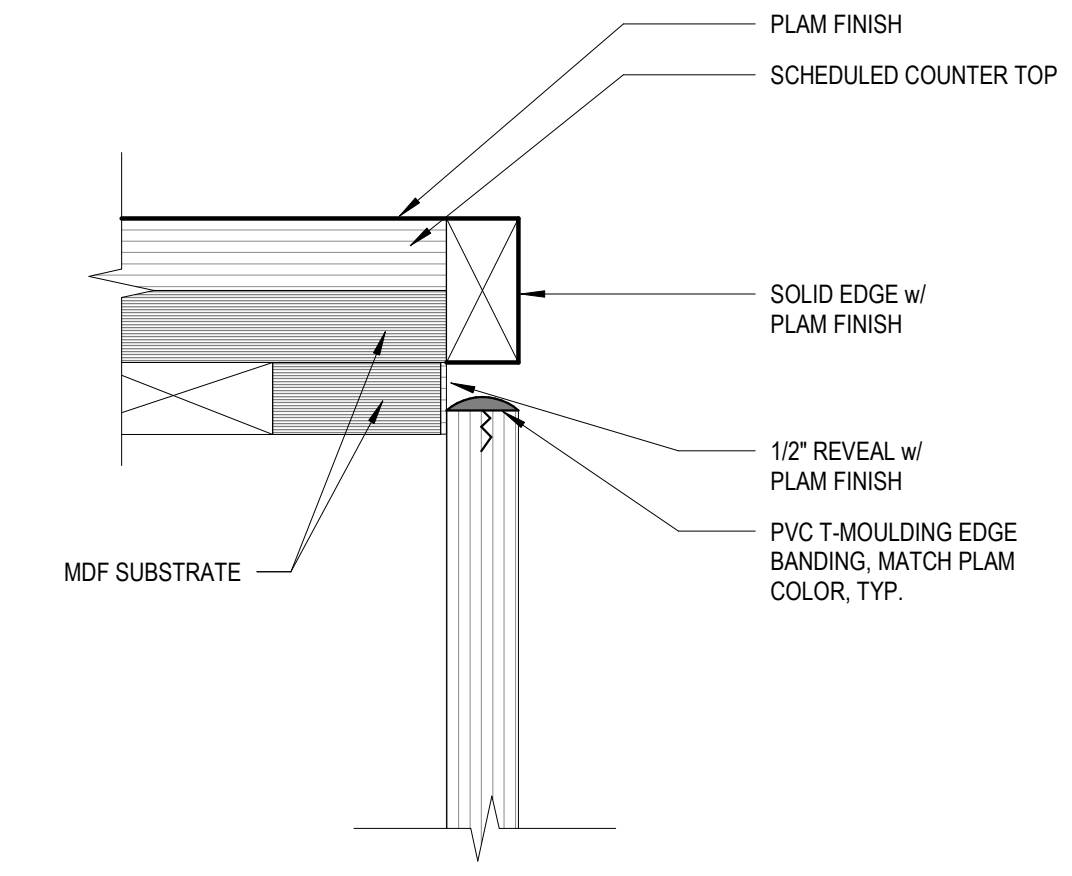
1 BASE CABINET DETAIL- WITH SINK
A8.00 1 1/2" = 1'-0"



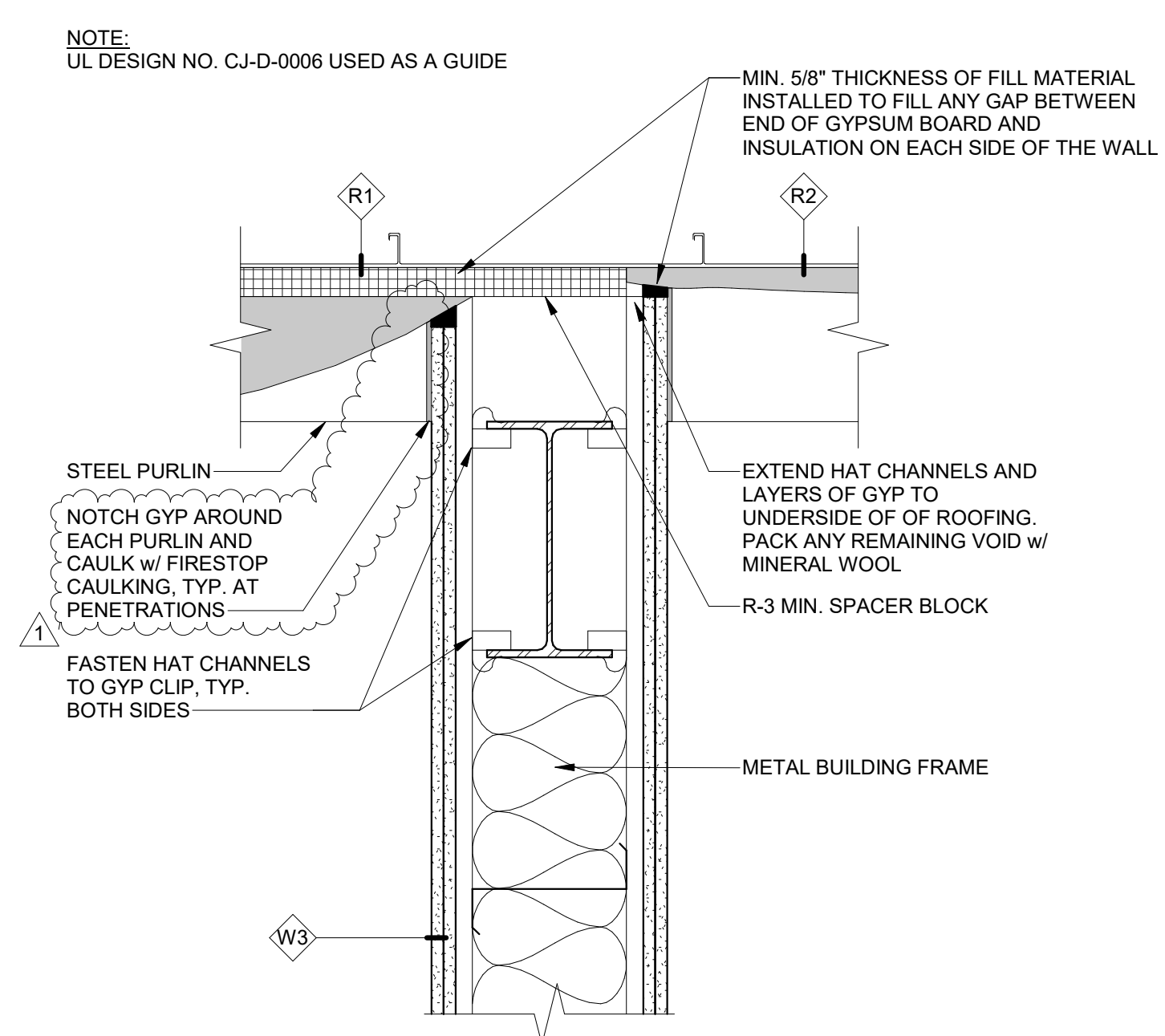
2 BASE CABINET DETAIL- WITH DRAWERS
A8.00 1 1/2" = 1'-0"



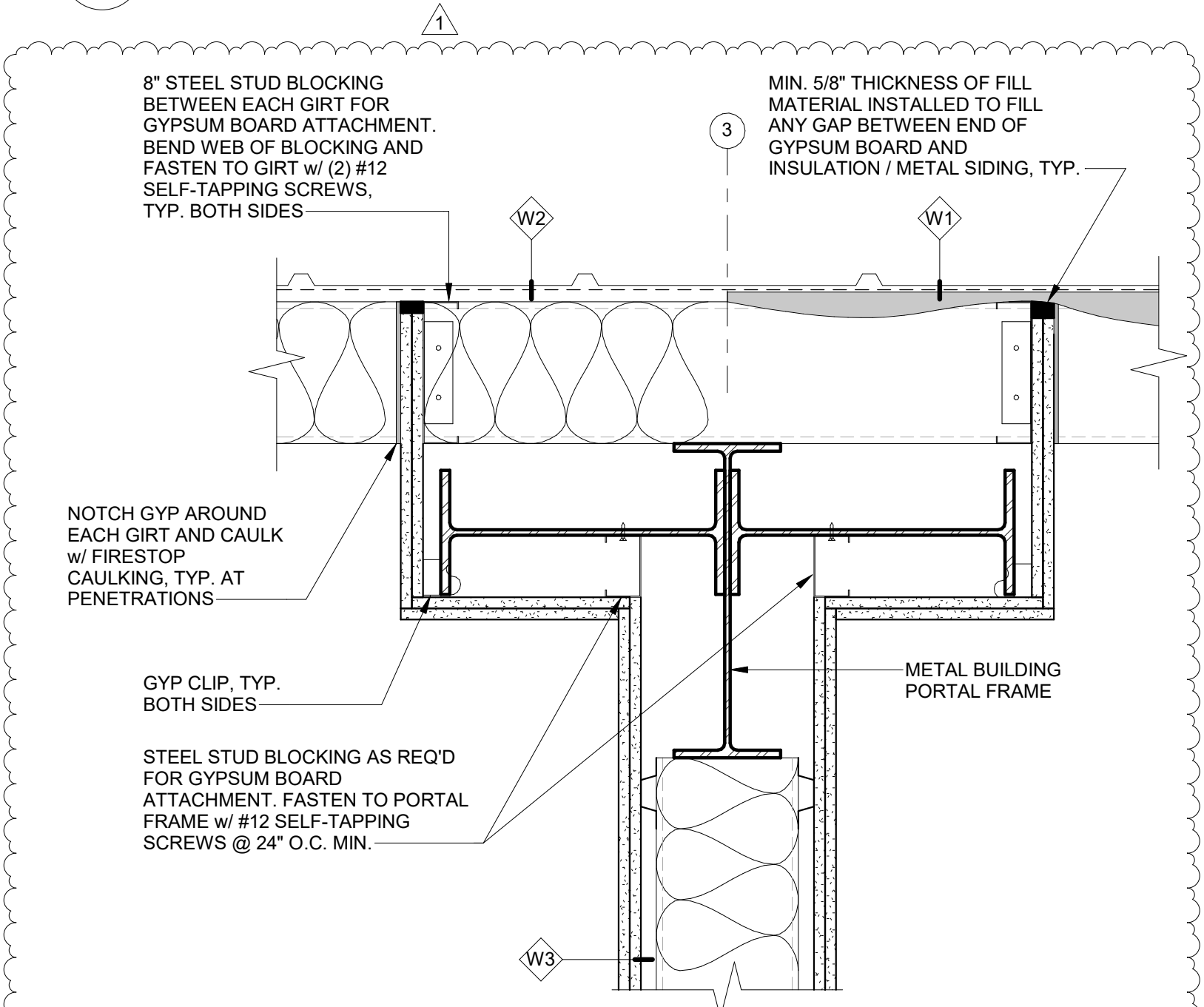
3 WALL CABINET W/ DOOR SHELVES
A8.00 1 1/2" = 1'-0"



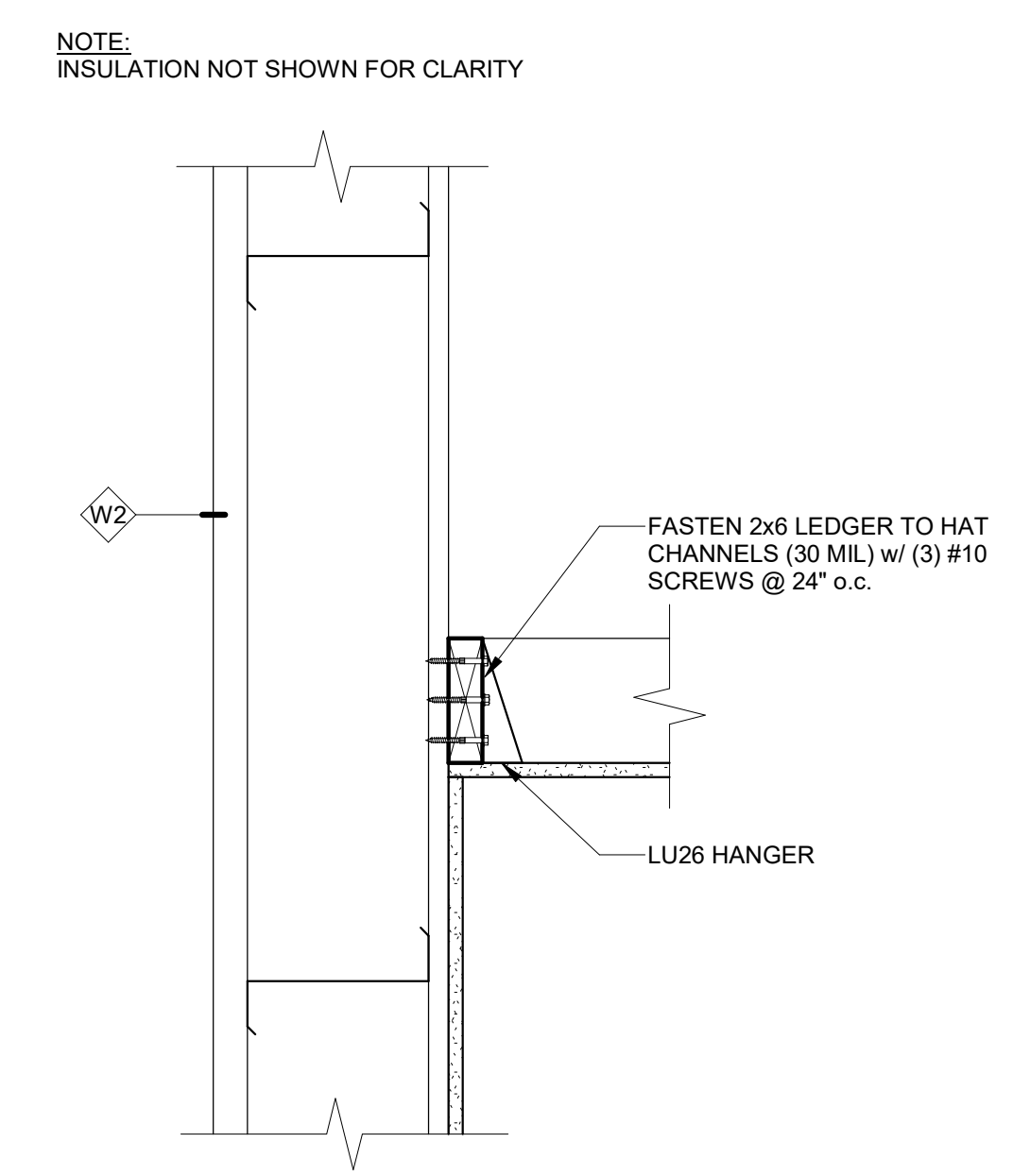
4 TYP. EDGE DETAIL AT BASE CABINET
A8.00 6" = 1'-0"



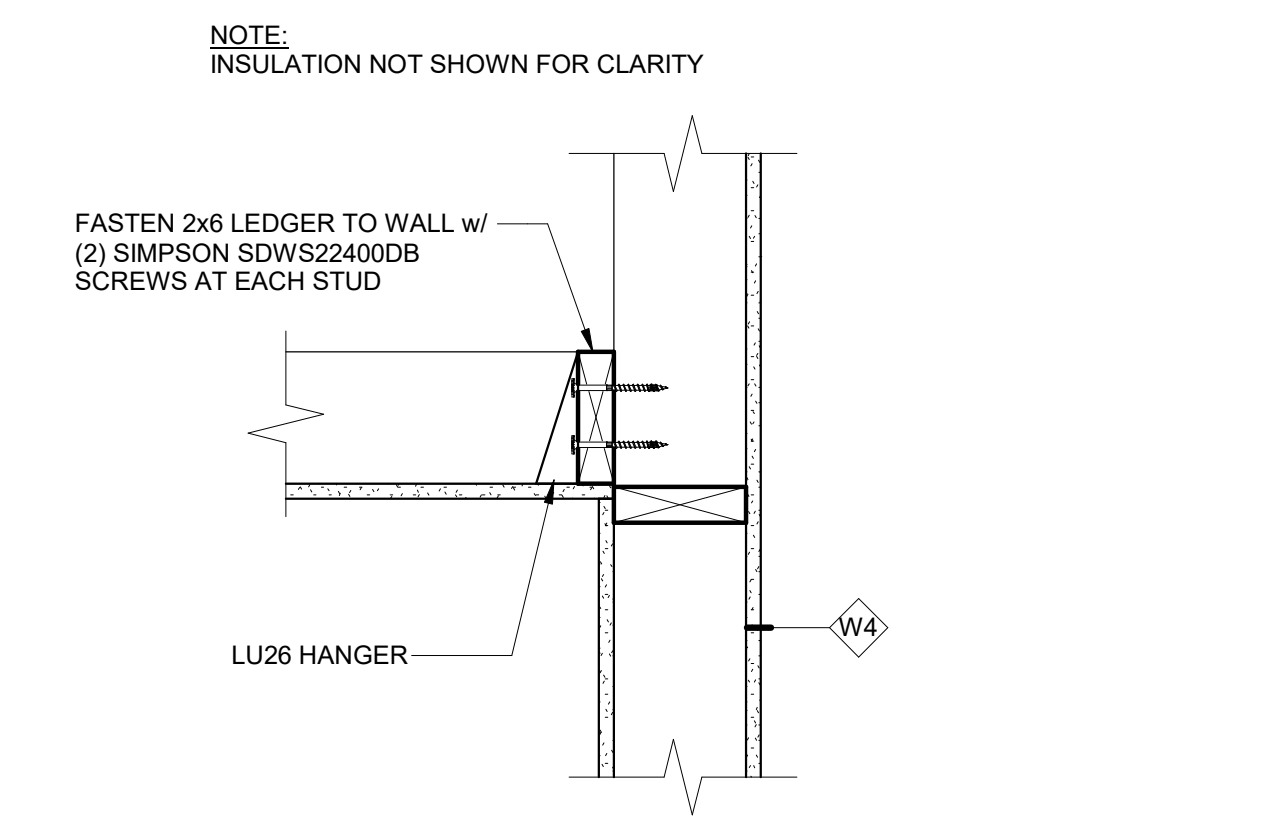
5 TOP OF FIRE BARRIER
A8.00 1 1/2" = 1'-0"



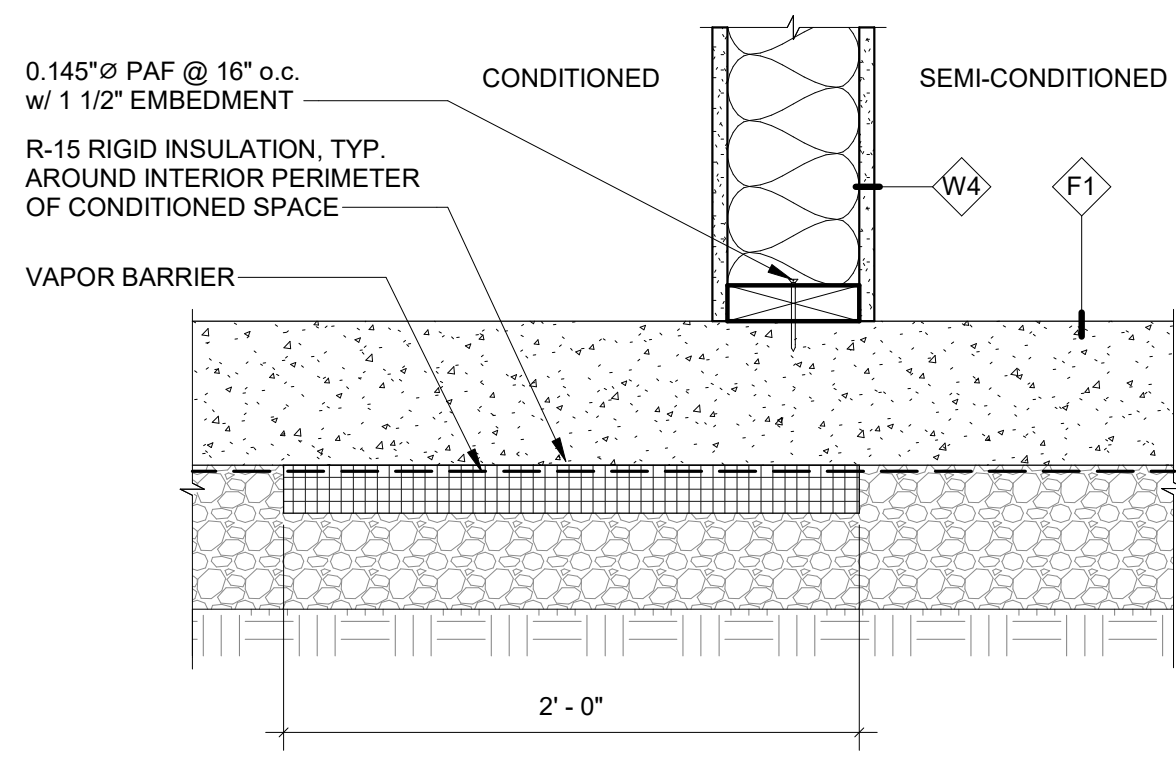
6 FIRE BARRIER AT EXTERIOR WALL
A8.00 1 1/2" = 1'-0"



7 CEILING LEDGER CONNECTION AT EXTERIOR
A8.00 1 1/2" = 1'-0"



8 CEILING CONNECTION AT INTERIOR WALL
A8.00 1 1/2" = 1'-0"



9 INTERIOR SLAB INSULATION
A8.00 1 1/2" = 1'-0"

NOTE: each membrane layer of 2 hr assembly shall be inspected and approved before next layer is applied. Grid 3



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1 10-30-24	REVISION 1

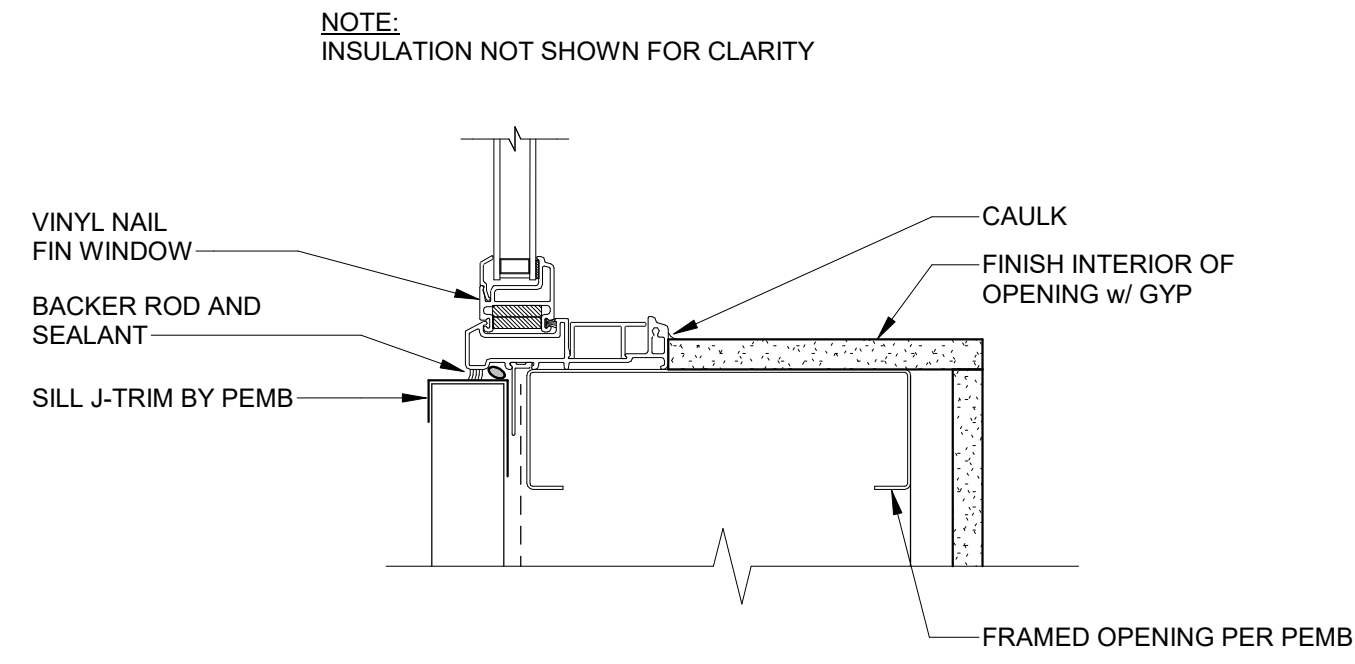
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DETAILS

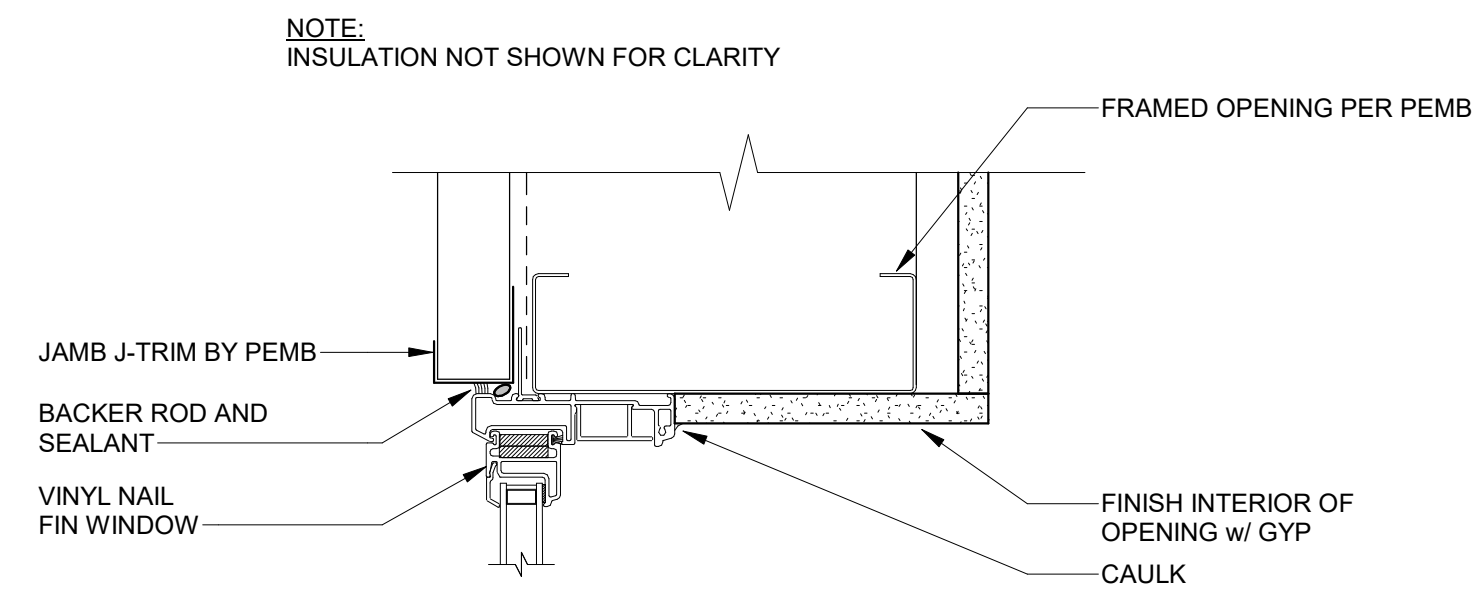
A8.00

BID AND PERMIT SET

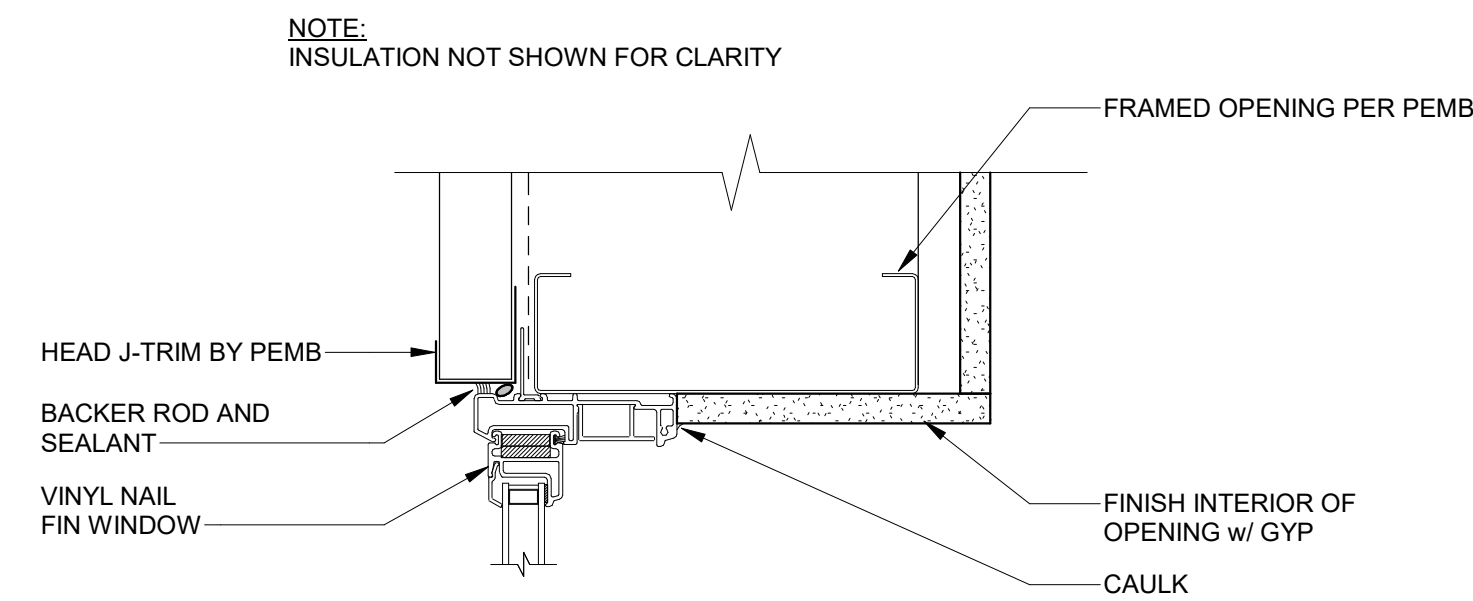
10/30/2024 8:43:54 AM ONE INCH EQUALS FULL SCALE



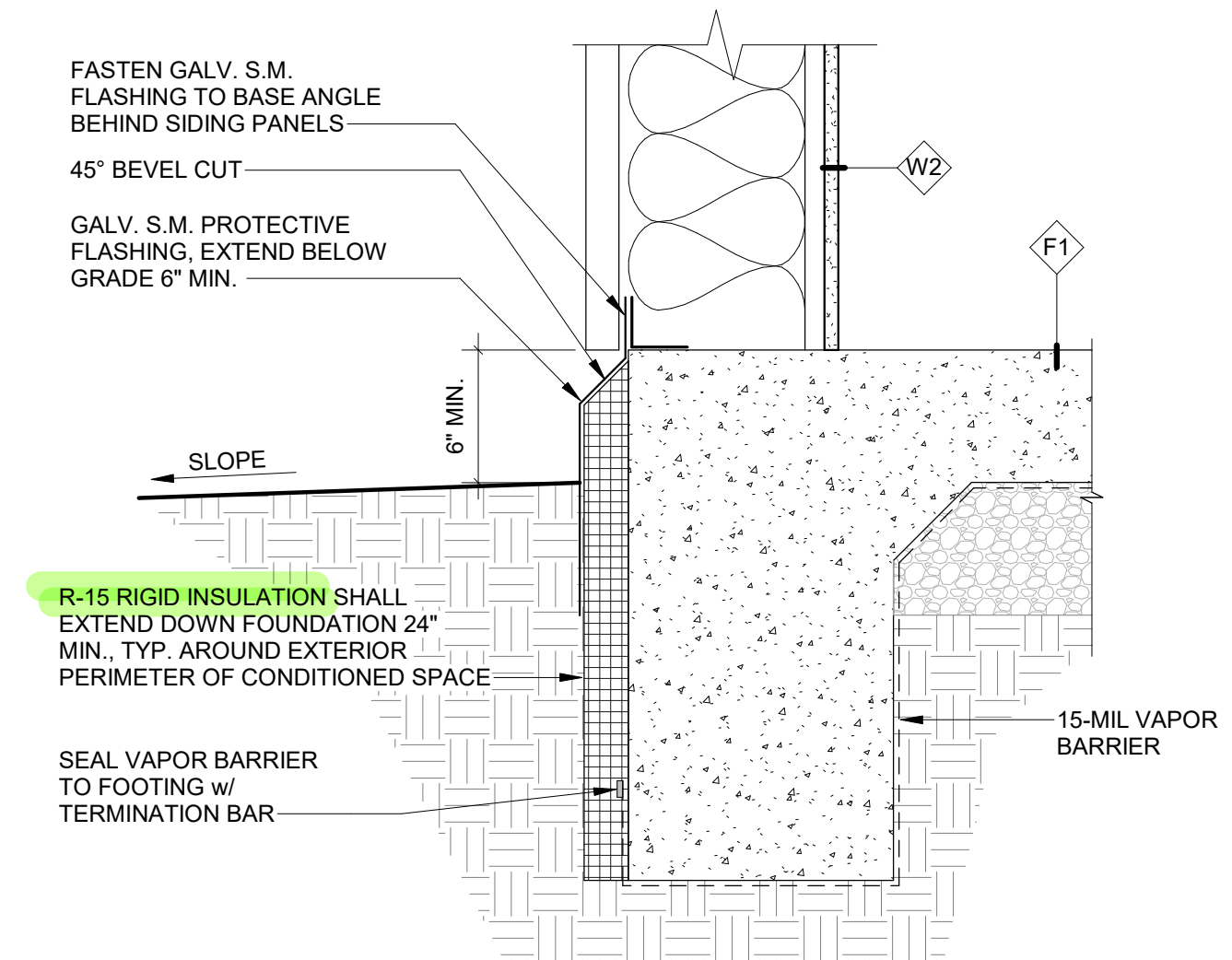
1 WINDOW SILL
A8.10 3" = 1'-0"



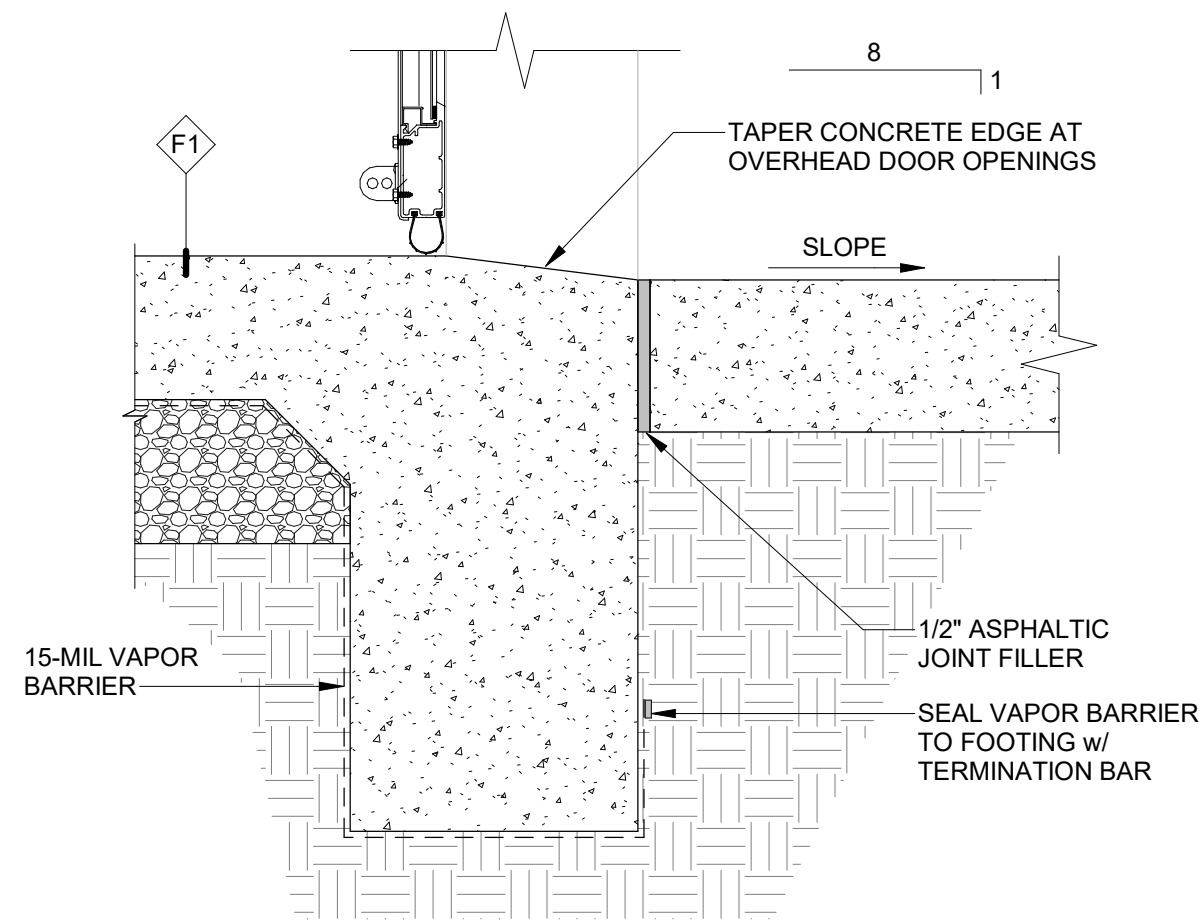
2 WINDOW JAMB
A8.10 3" = 1'-0"



3 WINDOW HEAD
A8.10 3" = 1'-0"



4 EXTERIOR SLAB INSULATION
A8.10 1 1/2" = 1'-0"



5 SLAB AT OVERHEAD DOORS
A8.10 1 1/2" = 1'-0"



524 Main Street, Suite 2, Oregon City,
Oregon 97045 | 503-659-2205

BANDON SCHOOL DISTRICT #54
455 9TH STREET SW
BANDON, OR 97411

**BANDON SCHOOL
DISTRICT NEW BUS
BARN**



10/30/2024 8:43:55 AM

ONE INCH EQUALS FULL SCALE



DATE	Description

PROJECT NO. G-1533-22
DRAWN: LJS
CHECKED: DDS
DATE: 02-13-2024

DETAILS

A8.10

BID AND PERMIT SET

01 33 00 SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES

- 1.1 SUMMARY
A. Shop drawing, product data, and sample requirements for all work specified
B. Submittals for project closeout
C. Related Section: Submittals in Division 1 which provides detailed information on submittal requirements and format.
1.2 REQUIREMENTS
A. Shop Drawings: Provide shop drawings in a clear and thorough manner. Identify details by reference to drawing and detail schedule, or room numbers shown.
B. Doors and Windows: Show performance characteristics and capacities, show dimensions and clearances required. Show wiring or piping diagrams and controls.
C. Samples: Samples shall be of sufficient size and quality to clearly illustrate the following: Functional characteristics of the products with integrally related parts and attachment devices and the full range of color, texture, and pattern.
1.3 SUBMITTALS REQUIRED:
A. SHOP DRAWINGS: Provide shop drawings for the following specified items:
1. Roofing Assemblies: base flashings, membrane terminations, insulation layout and slopes, fastening patterns and spacing for insulation and roofing, details for curbs, pipe penetrations, and gutters.
2. Doors and Windows: plans, elevations, sections, details and attachments to other work. Include details of provisions for system expansion and contraction and for drainage of moisture in the system to the exterior. Provide hardware schedule and indicate operating hardware types, functions, quantity, and locations.
3. Exterior Cladding Assemblies: Installation layout showing details of edge conditions, joints, panel profiles, corners, anchorage, attachment system, trim, flashings, closures and accessories and special details. Distinguish between factory, shop, and field assembled work.
4. Roof Specialties: plans, elevations, expansion joint locations, keyed details, and attachments to other work
B. PRODUCT DATA: Provide product data for the following specified items:
1. Thermal Insulation, Gypsum Assemblies, Weather Barriers, Acoustical Ceiling Panels: product data
2. Sheet Metal Flashing: Maintenance data, warranty
3. Joint Sealants: Product data, compatibility and adhesion test reports (from manufacturer), warranties
4. Roof Assemblies: Product data, qualification data for manufacturer and installer, manufacturer certificate certifying roof complies with performance criteria, product test reports, maintenance data, warranties
5. Exterior Cladding Assemblies: Product data, qualification data for manufacturer and installer, product test reports, maintenance data, warranty
6. Doors and Windows, Glazing: Product data, product testing reports, hardware schedule (as applicable), maintenance data, warranty
7. Resilient Base, Resilient flooring, Tile Carpeting: Product data, maintenance data, warranties
8. Painting: Product data, paint schedule indicating substrate, color, sheen, paint type, and primer
C. SAMPLES: Provide physical samples for the following specified items:
1. Roof Assembly, exterior cladding assemblies: Provide standard color chart for selection if not indicated on drawings.
2. Finish flooring, wall base: Provide sample of type and color indicated on drawings.
3. Painting: Provide color samples of each color and sheen used on project.

03 35 00 CONCRETE FINISHING

- 1.1 SUMMARY
A. This section specifies curing compounds for interior and exterior concrete surfaces.
1.2 REFERENCES
A. American Society for Testing and Materials:
1. ASTM C-309 - Standard Specification for Liquid Membrane Forming Compounds for Curing Concrete.
2. ASTM C-1315 - Standard Specification for Liquid Membrane Forming Compounds Having Special Properties for Curing and Sealing Concrete.
1.3 SUBMITTALS
A. Submit under provisions of Section 013300 - Submittal Procedures
1. Product Data: Manufacturer's literature to include surface preparation, application instructions, recommendations and storage and handling requirements.
2. Test Data: Confirm compliance and performance with specified requirements.
1.4 QUALITY ASSURANCE
A. Applicator Qualifications: Applicator must have prior experience applying specified product or similar products, or have manufacturer's representative on site ensuring that preparation and application are performed correctly.
1.5 DELIVERY, STORAGE, AND HANDLING
A. Materials must be delivered in original, factory sealed containers with the manufacturer's labels including product name and batch numbers.
B. Store in cool dry area. Protect from freezing.
1.6 ENVIRONMENTAL REQUIREMENTS
A. Environmental Conditions: Do not apply material when temperature is below 45°F (7°C) or when temperature is expected to fall below 45°F within 48 hours.
B. Protection: Precautions should be taken to avoid damage to any surface near the work zone.
2.1 MANUFACTURER
A. Acceptable Manufacturer: US MIX Co., 112 South Santa Fe Drive, Denver, CO 80223, 800-397-9903, http://www.usmpec.com.
2.2 MATERIALS
A. Concrete Sealing Compound:
1. US SPEC CS-25-1315
2. Type: Solvent-based, non-yellowing, VOC compliant, concrete sealing compound with acrylic polymers.
3. Compliance: ASTM C-309, Type I, Class B; ASTM C-1315 Type I, Class A. Minimum 25% solids content. Must be VOC compliant in accordance with EPA 40 CFR Part 59.
B. Slip-Resistant Treatment
1. Provide slip-resistant texture finish per manufacturer's standard on floor surfaces.
3.1 EXAMINATION
A. Examine areas to receive sealing compound. Notify Architect if surfaces are unacceptable. Do not begin application until unacceptable conditions are corrected.
3.2 APPLICATION
A. Apply sealing compound to concrete surfaces at a uniform rate in accordance with manufacturer's instructions.
B. Do not apply to concrete receiving toppings, epoxy coatings, urethane coatings, or epoxy adhesives.
C. Do not dilute curing and sealing compound.
3.4 PROTECTION
A. Protect surfaces from traffic until sealing compound has dried.

06 10 00 ROUGH CARPENTRY

- 1.1 SUMMARY
A. Section Includes:
1. Framing with dimension lumber.
2. Wood blocking and nailers.
3. Wood furring.
4. Wood sleepers.
2.1 WOOD PRODUCTS, GENERAL
A. Lumber: Comply with DOC PS 20 and applicable rules of grading agencies indicated. If no grading agency is certified, comply with the applicable rules of any rules-writing agency identified by the AISC Board of Review. Grade lumber by an agency certified by the AISC Board of Review to inspect and grade lumber under the rules indicated.
1. Factory mark each piece of lumber with grade stamp of grading agency.
2. For exposed lumber indicated to receive a stained or natural finish, omit grade stamp and provide certificates of grade compliance issued by grading agency.
3. Dress lumber, S4S, unless otherwise indicated.
B. Maximum Moisture Content:
1. Boards: 19 percent.
2. Dimension Lumber: 19 percent for 2-inch nominal (38-mm actual) thickness or less; 19 percent for more than 2-inch nominal (38-mm actual) thickness unless otherwise indicated.
3. Timber: 19 percent.
C. Engineered Wood Products: Acceptable to Authorities Having Jurisdiction and for which current model code research or evaluation reports exist that show compliance with building code in effect for Project.
1. Allowable design stresses, as published by manufacturer, shall meet or exceed those indicated. Manufacturer's published values shall be determined from empirical data or by rational engineering analysis and demonstrated by comprehensive testing performed by a qualified independent testing agency.
2.2 PRESERVATIVE TREATMENT
A. Preservative Treatment by Pressure Process: AWPA U1; Use Category UC2 for interior construction not in contact with ground. Use Category UC3b for exterior construction not in contact with ground, and Use Category UC4a for items in contact with ground.
1. Preservative Chemicals: Acceptable to authorities having jurisdiction and containing no arsenic or chromium.
B. Kiln-dry lumber after treatment to a maximum moisture content of 19 percent. Do not use material that is warped or that does not comply with requirements for untreated material.
C. Mark lumber with treatment quality mark of an inspection agency approved by the AISC Board of Review.
D. Application: Treat items indicated on Drawings, and the following:
1. Wood cants, nailers, curbs, equipment support bases, blocking, stripping, and similar members in connection with roofing, flashing, vapor barriers, and waterproofing.
2. Wood sills, sleepers, blocking, and similar concealed members in contact with masonry or concrete.
3. Wood framing and furring attached directly to the interior of below-grade exterior masonry or concrete walls.
4. Wood floor plates that are installed over concrete slabs-on-grade.
2.3 DIMENSION LUMBER FRAMING
A. Non-Load-Bearing Interior Partitions by Grade: Construction or No. 2 grade.
1. Application: All interior partitions.
2. Species:
a. Douglas Fir.
B. Framing Other Than Non-Load-Bearing Partitions by Grade: No. 2 grade.
1. Application: Framing other than interior partitions.
2. Species:
a. Douglas fir-larch (north); NLGA.
2.4 MISCELLANEOUS LUMBER
A. Provide miscellaneous lumber indicated and lumber for support or attachment of other construction, including the following:
1. Blocking.
2. Nailers.
3. Furring.
B. Dimension Lumber Items: Construction or No. 2 grade lumber of any species.
C. Concealed Boards: 19 percent maximum moisture content and any of the following species and grades:
1. Northern species; No. 2 Common grade; NLGA.
2. Western woods; Construction or No. 2 Commongrade; WCLIB or WWPA.
2.5 PLYWOOD BACKING PANELS
A. Equipment Backing Panels: Plywood, DOC PS 1, Exposure 1, C-D Plugged, fire-retardant treated, in thickness indicated or, if not indicated, not less than 1/2-inch (13-mm) nominal thickness.
2.6 FASTENERS
A. General: Fasteners shall be of size and type indicated and shall comply with requirements specified in this article for material and manufacture. Provide nails or screws, in sufficient length, to penetrate not less than 1-1/2 inches (38 mm) into wood substrate.
1. Where rough carpentry is exposed to weather, in ground contact, pressure-preservative treated, or in area of high relative humidity, provide fasteners with hot-dip zinc coating complying with ASTM A153/A153M or Type 304 stainless steel.
B. Power-Driven Fasteners: Fastener systems with an evaluation report acceptable to authorities having jurisdiction, based on ICC-ES AC70.
C. Post-Installed Anchors: Fastener systems with an evaluation report acceptable to authorities having jurisdiction, based on ICC-ES AC01, ICC-ES AC58, ICC-ES AC193, or ICC-ES AC308 as appropriate for the substrate.
2.7 METAL FRAMING ANCHORS
A. Allowable design loads, as published by manufacturer, shall meet or exceed those indicated. Manufacturer's published values shall be determined from empirical data or by rational engineering analysis and demonstrated by comprehensive testing performed by a qualified independent testing agency. Framing anchors shall be punched for fasteners adequate to withstand same loads as framing anchors.
B. Galvanized-Steel Sheet: Hot-dip, zinc-coated steel sheet complying with ASTM A653/A653M, G60 (Z180) coating designation.
1. Use for interior locations unless otherwise indicated.
C. Hot-Dip, Heavy-Galvanized Steel Sheet: ASTM A653/A653M; structural steel (SS), high-strength low-alloy steel Type A (HSLAS Type A), or high-strength low-alloy steel Type B (HSLAS Type B), G185 (2550) coating designation; and not less than 0.036 inch thick.
1. Use for wood-preservative-treated lumber and where indicated.

- 3.1 INSTALLATION
A. Framing Standard: Comply with AF&PA's WCD 1, "Details for Conventional Wood Frame Construction," unless otherwise indicated.
B. Framing with Engineered Wood Products: Install engineered wood products to comply with manufacturer's written instructions.
C. Set work to required levels and lines, with members plumb, true to line, cut, and fitted. Fit rough carpentry accurately to other construction. Locate furring, nailers, blocking, and similar supports to comply with requirements for attaching other construction. Install shear wall panels to comply with manufacturer's written instructions.
D. Install metal framing anchors to comply with manufacturer's written instructions. Install fasteners through each fastener hole. Do not splice structural members between supports unless otherwise indicated.
E. Comply with AWPA M4 for applying field treatment to cut surfaces of preservative-treated lumber.
F. Where wood-preservative-treated lumber is installed adjacent to metal decking, install continuous flexible flashing separator between wood and metal decking.
G. Securely attach rough carpentry work to substrate by anchoring and fastening as indicated, complying with the following:
1. Table 2304.9.1, "Fastening Schedule," in ICC's International Building Code (IBC).
2. ICC-ES evaluation report for fastener.
3.2 PROTECTION
A. Protect rough carpentry from weather. If, despite protection, rough carpentry becomes wet enough that moisture content exceeds that specified, apply EPA-registered borate treatment. Apply borate solution by spraying to comply with EPA-registered label.

06 41 16 PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS

- 1.1 SUMMARY
A. Plastic-laminate-faced architectural cabinets
B. Wood furring, blocking, shims, and hanging strips for installing plastic-laminate-faced architectural cabinets that are not concealed within other construction.
2.1 PLASTIC-LAMINATE-FACED ARCHITECTURAL CABINETS
A. Quality standard: unless otherwise indicated, comply with the "Architectural Woodwork Standards" for grades of cabinets indicated for construction, finishes, installation, and other requirements.
B. Grade: Custom
C. Type of Construction: frameless
D. Door and Drawer: Front Style: flush overlay
E. High-Pressure Decorative Laminate: NEMA LD 3, grades as indicated or if not indicated, as required by quality standard.
F. Basis-of-Design Manufacturers:
a. Approved Products:
1. Formica Corporation.
2. Wilsonart.
G. Laminate Cladding for Exposed Surfaces:
1. Horizontal surfaces: Grade HGS
2. Postformed surfaces: Grade HGP
3. Vertical Surfaces: Grade VGS
4. Edges: PVC edge banding, 1/2 inch (3 mm) thick, matching laminate in color, pattern, and finish
5. Pattern Direction Vertically for drawer fronts, doors, and fixed panels
H. Concealed backs of panels with exposed plastic-laminate surfaces: High-pressure decorative laminate, NEMA LD 3, Grade BKL
I. Drawer Construction: Fabricate with exposed fronts fastened to subfront with mounting screws from interior of body. Join subfronts, backs, and sides with glued dovetail joints
J. Colors, patterns, and finishes: provide materials and products that result in colors and textures of exposed laminate surfaces complying with the schedule.
2.2 FIRE RETARDANT-TREATED MATERIALS
A. Fire-retardant-treated materials, general: where fire-retardant-treated materials are indicated, use materials that are acceptable to authorities having jurisdiction as determined by testing performed on identical products by a qualified testing agency.
2.3 WOOD MATERIALS
A. Maximum moisture content of lumber: 15 percent for 2" nominal (38-mm actual thickness or less; 19 percent for more than 2-inch nominal (38-mm actual) thickness unless otherwise indicated.
2.4 WOOD-PRESERVATIVE-TREATED LUMBER
A. Wood products: Provide materials that comply with requirements of referenced quality standard for each type of architectural cabinet and quality grade specified unless otherwise indicated.
B. Composite wood and aggrifiber products: provide materials that comply with requirements of referenced quality standard for each type of architectural cabinet and quality grade specified unless otherwise indicated.
1. Medium-density fiberboard: ANSI A208.2, Grade 130
2. Softwood plywood: DOC PS 1
3. Thermoset decorative panels: MDF finished with thermally fused, melamine-impregnated decorative paper and complying with requirements of NEMA LD 3, Grade VGL, for Test Methods 3.3, 3.4, 3.6, 3.8, and 3.10
2.5 CABINET HARDWARE AND ACCESSORIES
A. General: provide cabinet hardware and accessory materials associated with architectural cabinets except for items specified in Section 08 71 00 "Door Hardware."
B. Butt hinges: 2-3/4 inch (70 mm), five-knuckle steel hinges made from .085-inch-(2.4-mm)-thick metal, and as follows:
1. Semic concealed hinges for flush doors: BHMA A156.9, B01361
2. Semicconcealed hinges for overlay doors: BHMA A156.9, B01521
C. Frameless concealed hinges (European type): BHMA A156.9, B01602, 100 degrees of opening
D. Back-mounted pulls: BHMA A156.9, B02011
E. Wire pulls: back mounted, solid metal, 4 inches (100 mm) long, 5/16 inch (8 mm) in diameter.
1. Material: As selected by Architect.
2. Finish: As selected by Architect.
F. Catches: magnetic catches, BHMA A156.9, B03141
G. Adjustable shelf standards and supports: BHMA A156.9, B04071; with shelf rests, B04081
H. Shelf rests: BHMA A156.9, B04013; metal
I. Drawer slides: BHMA A146.9
1. Grade 1 and grade 2: Side mounted
2. Grade 1HD-100 and grade 1HD-200: Side mounted; full-extension type; zinc-plated steel ball-bearing slides
3. For drawers not more than 3 inches (75 mm) high and not more than 24 inches (600 mm) wide, provide Grade 2.
4. For drawers more than 3 inches (75 mm) high, but not more than 6 inches (150 mm) high not more than 24 inches (600 mm) wide, provide Grade 1HD-100. I.E. For drawers more than 6 inches (150 mm) high or more than 24 inches (600 mm) wide, provide Grade 1HD-200
5. For computer keyboard shelves, provide Grade 1HD-100.
6. For trash bins not more than 20 inches (00 mm) high and 16 inches (400 mm) wide, provide Grade 1HD-200.
J. Door locks: BHMA A156.11, E07121
K. Drawer locks: BHMA A156.11, E07041
L. Door and drawer silencers: BHMA A156.16, L03011
M. Grommets for cable passage: 3-1/8" (79 mm), molded-plastic grommets and matching plastic caps with slot for wire passage.
N. Exposed hardware finishes: For exposed hardware, provide finish that complies with BHMA A156.18 for BHMA finish number indicated
O. For concealed hardware, provide manufacturer's standard finish that complies with product class requirements in BHMA A156.9.

- 2.6 MISCELLANEOUS MATERIALS
A. Furring, blocking, shims, and hanging strips: softwood or hardwood lumber, kiln-dried to less than 15 percent moisture content
B. Anchors: Select material, type, size, and finish required for each substrate for secure anchorage. Provide metal expansion sleeves or expansion bolts for post-installed anchors. Use nonferrous-metal or hot-dip galvanized anchors and inserts at inside face of exterior walls and at floors.
C. Adhesive for bonding plastic laminate is contact cement. Adhesive for bonding edges is hot melt adhesive or adhesive specified above for faces.
2.7 FABRICATION
A. Complete fabrication, including assembly and hardware application, to maximum extent possible before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.
B. Shop-cut openings to maximum extent possible to receive hardware, appliances, electrical work, and similar items. Locate openings accurately and use templates or roughing-in diagrams to produce accurately sized and shaped openings. Sand edges of cutouts to remove splinters and burrs.
C. Install glass to comply with applicable requirements in Section 08 80 00 "Glazing" and in GANA's "Glazing Manual."
1. For glass in frames, secure glass with removable stops. 2. For exposed glass edges, polish and grind smooth.
3.1 INSTALLATION
A. Before installation, condition cabinets to humidity conditions in installation areas for not less than 72 hours.
B. Grade: install cabinets to comply with quality standard grade of item to be installed.
C. Anchor cabinets to anchors or blocking built in or directly attached to substrates. Secure with wafer-head cabinet installation screws.
D. Install cabinets level, plumb, and true in line to a tolerance of 1/8 inch in 96 inches (3 mm in 2400 mm) using concealed shims.
1. Scribe and cut cabinets to fit adjoining work, refinish cut surfaces and repair damaged finish at cuts.
2. Install cabinets without distortion so doors and drawers fit openings and are accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation. Complete installation of hardware and accessory items as indicated.
3. Fasten wall cabinets through back, near top and bottom, and at ends not more than 16 inches (400 mm) o.c. with No. 10 wafer-head screws sized for not less than 1-1/2-inch (38 mm) penetration into wood framing, blocking, or hanging strips.

- 07 20 00 THERMAL INSULATION
1.1 SUMMARY
A. Perimeter wall insulation, below grade
B. Glass fiber blanket
C. See Division 07 Sections for insulation specified as part of roofing assembly
1.2 PERFORMANCE CRITERIA
A. Fire-Test-Response Characteristics: Provide insulation and related materials with the fire-test-response characteristics indicated. Identify materials with appropriate markings of applicable testing and inspecting agency.
1. Surface-Burning Characteristics: ASTM E 84
2. Fire-Resistance Ratings: ASTM E 119
3. Combustion Characteristics: ASTM E 136
2.1 PRODUCTS
A. Perimeter Wall Insulation: Extruded polystyrene board insulation, ASTM C 578, Type IV, 1 1/2" minimum thickness, R-7.5 minimum.
1. Cavitymate Ultra; the Dow Chemical Co.
2. FOAMULAR 150, Owens Corning
3. Or approved equal
B. Glass-Fiber Blanket Insulation: ASTM C 665, Type I, max flame-spread index = 25, max smoke-developed index = 50.
3.1 EXECUTION
A. Install insulation that is undamaged, dry, and unsoiled and that has not been left exposed at any time to ice, rain, or snow.
B. Extend insulation in thickness indicated to envelop entire area to be insulated. Cut and fit tightly around obstructions and fill voids with insulation, remove projections that interfere.
C. Water-Piping Coordination: If water piping is located within insulated exterior walls, coordinate location of piping to ensure that it is placed on warm side of insulation and insulation encapsulates piping.
D. Perimeter Insulation:
1. If not otherwise indicated, extend insulation a minimum of 48 inches below exterior grade line.
2. Set insulation units on vertical surfaces in adhesive recommended by manufacturer and protect from damage during backfilling by applying protection course with joints butted.
F. Glass-Fiber Blanket Insulation:
1. Use insulation widths and lengths that fill the cavities formed by framing members. If more than one length is required to fill cavity, provide lengths that will produce a snug fit between ends.
2. Place insulation in cavities formed by framing members to produce a friction fit between edges of insulation and adjoining framing members.
3. Maintain 3-inch clearance of insulation around recessed lighting fixtures.
4. For metal framed wall cavities where cavity heights exceed 96 inches support unfaced blankets mechanically.
5. Stuff glass-fiber loose fill insulation into miscellaneous voids and cavity spaces where shown. Compact to approximately 40% of normal maximum volume equaling a density of approximately 2.5 lb/cu. ft.

07 25 00 WEATHER BARRIERS

- 1.1 SUMMARY
A. Weather barrier membrane.
1.3 PERFORMANCE CRITERIA
A. Air Penetration: 0.001 cfm/sqft at 75Pa, when tested in accordance with ASTM E2178, Type I per ASTM E1677.
B. Water Vapor Transmission: 28 perms, when tested in accordance with ASTM E96, Method B.
C. Water Penetration Resistance: Min. 280 cm when tested in accordance with AATCC Test Method 127.
D. Basis Weight: Min. 2.7 oz/sq yd, when tested in accordance with TAPPI Test Method T-410.
E. Air Resistance: Air infiltration at >1500 seconds, when tested in accordance with TAPPI Test Method T-460.
F. Tear Resistance: 12/10 lbs., when tested in accordance with ASTM D882, Method A.
G. Tensile Strength: Min. 38/35 lbs./in., when tested in accordance with ASTM D882, Method A.
H. Surface Burning Characteristics: Class A, when tested in accordance with ASTM E84. Flame Spread: 10, Smoke Developed: 10.
2.1 PRODUCTS
A. A non-perforated, non-woven, non-absorbing, breathable membrane that resists air flow, bulk water and wind driven rain and channels water and moisture to the outside of the building envelope.
B. Basis of Design Product: Therm-Air MaxTight, or approved equal.
Fasteners:
1. Steel Frame Construction: 1-5/8 inch rust resistant screw with 2-inch diameter plastic cap or manufacturer approved 1-1/4" or 3" metal gasketed washer.
2. Wood Construction: Rust resistant #4 nails with large 1-inch plastic cap fasteners.
C. Sealants: Provide sealants that comply with ASTM C920 and are compatible with weather barrier, elastomeric acrylic-urethane blended polymer sealant to maintain watertight conditions.
D. Provide adhesives recommended by weather barrier manufacturer.
E. Provide membrane flashing and primer for window openings and penetrations recommended by weather barrier manufacturer.
3.1 EXECUTION
A. Install weather barrier prior to installation of windows and doors. Start weather barrier installation at a building corner, leaving 6-12 inches of weather barrier extended beyond corner overlap.
B. Install weather barrier in a horizontal manner starting at the lower portion of the wall surface with subsequent layers installed in a shingling manner to overlap lower layers. Maintain weather barrier plumb and level.
C. Overlap weather barrier:
1. Exterior corners: minimum 12 inches
2. Seams: minimum 6 inches
D. Attach weather barrier to studs through exterior sheathing. Secure using weather barrier manufacturer recommended fasteners, space 12-18 inches vertically on center along stud line and 24 inch on center, maximum horizontally.
E. Seal seams of weather barrier with seam tape at all vertical and horizontal overlapping seams. Seal any tears or cuts as recommended by weather barrier manufacturer.
F. Flashing at Openings:
1. Cut flexible flashing a min. of 12 inches longer than width of sill rough opening.
2. Cover horizontal sill by aligning flexible flashing edge with inside edge of sill. Adhere to rough opening across sill and up jambs in minimum of 6 inches. Secure flashing tightly into corners by working in and applying pressure along the sill before adhering up the jambs.
3. Fan flexible flashing at bottom corners onto face of wall. Firmly press in place. Mechanically fasten fanned edges.
4. Apply 9-inch wide strips of flashing at jambs. Align flashing with interior edge of jamb framing. Start flashing at head of opening and lap sill flashing down to the sill.
5. Spray-apply primer to top 6 inches of jamb and exposed sheathing.
6. Install flexible flashing at opening head using same installation procedures used at sill. Overlap jamb flashing a minimum of 2 inches.
7. Coordinate flashing with window installation.
8. On exterior, install backer rod in joint between window frame and flashed rough framing. Apply weather barrier manufacturer recommended sealant around entire window interior to create air seal. Apply sealant in accordance with sealant manufacturer's instructions and ASTM C1193.
9. Adhere using flashing over the 45-degree seams.
10. Tape top of window in accordance with manufacturer recommendations.
11. On interior, install backer rod in joint between frame of window and flashed rough framing. Apply weather-barrier manufacturer recommended sealant around entire window interior to create air seal. Apply sealant in accordance with sealant manufacturer's instructions and ASTM C1193.
G. Flashing at Flanged Window
1. Attach weather barrier membrane apron under sill. Extend apron a min. of 10 inches beyond sides of rough opening, and below the rough opening to overlap the sill plate or the weather barrier below. Securely attach sides of apron to wall, leaving bottom free to overlap later weather barrier installation.
2. Cut flashing a minimum of 12 inches longer than width of sill rough opening.
3. Cover horizontal sill by aligning flashing edge with inside edge of sill. Adhere to rough opening across sill and up jambs a minimum of 6 inches.
4. Fan flashing at bottom corners into face of wall. Firmly press in place. Mechanically fasten fanned edges.
5. On exterior, apply continuous bead of sealant to wall or backside of window mounting flange across jambs and head. Do not apply sealant across sill.
6. Coordinate with window installation.
7. Complete flashing after installation of window/door:
a. Apply 4-inch wide strips of flashing at jamb overlapping entire mounting flange. Extend jamb flashing 1-inch above top of rough opening and below bottom edge of sill flashing.
b. Apply 4-inch wide strip of flashing as head flashing overlapping the mounting flange. Head flashing should extend beyond outside edges of both jamb flashings.
c. Position weather barrier head flap across head flashing. Adhere using 4-inch wide flashing over the 45-degree seams.
d. Tape head flap in accordance with manufacturer recommendations.
e. On interior, install backer rod in joint between frame of window and flashed rough framing. Apply sealant around entire window to create air seal.



524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-659-2205

BANDON SCHOOL DISTRICT #54 455 9TH STREET SW BANDON, OR 97411

BANDON SCHOOL DISTRICT NEW BUS BARN



EXPIRES: 06-30-26

Table with 2 columns: DATE, Description. Row 1: 10-30-24, REVISION 1

PROJECT NO. G-1533-22 DRAWN: LJS CHECKED: DDS DATE: 02-13-2024

SPECIFICATIONS

AS.10

BID AND PERMIT SET

ONE INCH EQUALS FULL SCALE

07 26 00 VAPOR RETARDERS

- 1.1 SUMMARY
A. Section Includes:
1. Polyethylene vapor retarders.
2. Under-Slab Vapor Retarders
2.1 POLYETHYLENE VAPOR RETARDERS
A. Polyethylene Vapor Retarders: ASTM D4397, 15-mil- thick sheet, with maximum permeance rating of 0.1 perm
2.2 UNDERSLAB VAPOR RETARDERS
A. Under-slab Vapor retarder shall have all of the following qualities:
1. Maintain permeance of less than 0.03 Perms (grains / (ft2 hr inHg)) as tested in accordance with mandatory conditioning tests per ASTM E1745 Section 7.1 (7.1.1-7.1.5)
2. Other performance criteria:
a. Strength: ASTM E1745 Class A
b. Thickness: 15 mils minimum
3. Provide third party documentation that all testing was performed on a single production roll per ASTM E1745 Section 8.1
B. Vapor retarder products:
1. Basis of Design: Stego Wrap Class A Vapor Retarder by Stego Industries LLC., (877) 464-7834 HYPERLINK "http://www.stegoindustries.com"
www.stegoindustries.com
2. Other Approved Manufacturers: Subject to compliance with requirements, provide products by one of the following:
a. GCP Applied Technologies (formerly Grace Construction Products); www.gcp.com
b. Raven Industries, Inc.; www.ravenid.com
c. W. R. Meadows; www.wrmeadows.com
C. ACCESSORIES (Listed accessories comply with Stego system. If other manufacturer is used provide same manufacturers recommended accessories.)
1. Seams:
a. Stego Tape
2. Sealing Penetrations of Vapor Retarder:
a. Stego Mastic
b. Stego Tape
3. Perimeteredge seal:
a. Stego Crete Claw
b. Stego Term Bar
c. StegoTack Tape (double-sided sealant tape)
3.1 INSTALLATION OF VAPOR RETARDERS ON FRAMING
A. Extend vapor retarders to extremities of areas to protect from vapor transmission. Secure vapor retarders in place with adhesives, vapor retarder fasteners, or other anchorage system as recommended by manufacturer. Extend vapor retarders to cover miscellaneous voids in insulated substrates, including those filled with loose-fiber insulation.
B. Seal vertical joints in vapor retarders over framing by lapping no fewer than two studs and sealing with vapor-retarder tape according to vapor-retarder manufacturer's written instructions. Locate all joints over framing members or other solid substrates.
C. Seal joints caused by pipes, conduits, electrical boxes, and similar items penetrating vapor retarders with vapor-retarder tape to create an airtight seal between penetrating objects and vapor retarders.
D. Repair tears or punctures in vapor retarders immediately before concealment by other work. Cover with vapor-retarder tape or another layer of vapor retarders.
3.2 INSTALLATION OF BELOW-SLAB VAPOR RETARDERS
A. PREPARATION
1. Ensure that subsoil is approved by Architect or Geotechnical Engineer.
a. Level and compact base material.
B. INSTALLATION (Installation instruction listed per Stego System. If other manufacture is used install per that, manufacturers recommended installation instructions.
1. Install vapor retarder in accordance ASTM E1643.
a. Unroll vapor retarder with the longest dimension parallel with the direction of the concrete placement and face laps away from the expected direction of the placement whenever possible.
b. Extend vapor retarder to the perimeter of the slab. If practicable, terminate it at the top of the slab, otherwise (a) at a point acceptable to the structural engineer or (b) where obstructed by impediments, such as dowels, waterstops, or any other site condition requiring early termination of the vapor retarder. At the point of termination, seal vapor retarder to the foundation wall, grade beam or slab itself.
1) Seal vapor retarder to the entire perimeter wall or footing/grade beam with double sided StegoTack Tape, or both Stego Term Bar and StegoTack Tape, per manufacturer's instructions. Ensure the concrete is clean and dry prior to adhering tape.
c. Overlap joints 6 inches and seal with manufacturer's seam tape.
d. Apply seam tape/Crete Claw to a clean and dry vapor retarder.
e. Seal all penetrations (including pipes) per manufacturer's instructions.
f. For interior forming applications, avoid the use of non-permanent stakes driven through vapor barrier. Use Beast Form Stake and Beast Foot as a vapor barrier-safe forming system. Ensure Beast Foot's peel-and-stick adhesive base is fully adhered to the vapor barrier.
g. If non-permanent stakes must be driven through vapor retarder, repair as recommended by vapor retarder manufacturer.
h. Use reinforcing bar supports with base sections that eliminate or minimize the potential for puncture of the vapor retarder.
i. Repair damaged areas with vapor retarder material of similar (or better) permeance, puncture and tensile.
j. For vapor barrier-safe concrete screeding applications, install Beast Screed (vapor barrier-safe screed system) per manufacturer's instructions prior to placing concrete.
C. PROTECTION
1. Protect vapor retarders from damage until concealed by permanent construction.

07 92 00 JOINT SEALANTS

- 1.1 SUMMARY
A. Acrylic Latex joint sealants
B. Urethane joint sealants
C. Silicone joint sealants
D. Related Requirements:
a. Section 08 80 00 "Glazing" for coordination of glazing sealants
b. Section 13 34 19 "Metal Building Systems" for coordination of roofing sealants.
2.1 QUALITY ASSURANCE
A. Preconstruction Field-Adhesion Testing: Before installing sealants, field test adhesion to Project joint substrates as follows:
1. For joints with dissimilar substrates, verify adhesion to each substrate separately; extend out along one side, verify adhesion to opposite side. Repeat procedure for opposite side
B. Compatibility: Provide joint sealants, backing, and other related materials that are compatible with an another and with joint substrates under conditions of service and application, as demonstrated by joint-sealant manufacturer, based on testing and field experience
C. Suitability for Immersion in Liquids: Where sealants are indicated for Use I for joints that will be continuously immersed in liquids, provide products that have undergone testing according to ASTM C 1247. Liquid used for testing sealants is deionized water,U.N.O.
D. Stain-Test-Response Characteristics: Where sealants are specified to be non-staining to porous substrates, provide products that have undergone testing according to ASTM C 1248.
E. Suitability for Contact with Food: Where sealants are indicated for joints that will come in contact with food, provide products that comply with 21 CFR 177.2600.
2.1 PRODUCTS
A. Acrylic Latex Joint Sealants: ASTM C 834, Type O, Grade NF. Application: Perimeter joints between interior wall surfaces, frames of interior doors, windows, elevator entrances etc. Paintable.
1. BASF Building Systems; Sonoloc
2. Bostik Inc.; Chem-Calk 600
3. May National Assoc.; Bondaflex 600
4. Pecora Corp.; AC-20+
5. Schnee-Morehead, Inc.; SM8200
6. Tremco Inc.; Tremflex 834
B. Acrylic Latex Sealants: ASTM C 834, Type O, Grade NF, non-staining, paintable. Application: Interior perimeter and concealed joints of acoustic partitions
1. Miracle SCS-100
2. Pecora Corp.; AC-20 FTR Acoustical and Insulation Sealant.
3. US Gypsum Co.;SHEETROCK Acoustical Sealant.
C. Urethane Joint Sealants: Type M, Grade NS, Class 25, Uses (exposure) T and NT, Uses (substrates) M, A, O Application: Exterior vertical and horizontal non traffic joints in GIP and precast concrete, exterior control and expansion joints, exterior perimeter joints at frames of doors, windows, and louvers, vertical joints on exposed surfaces of interior concrete, vertical control and expansion joints on exposed interior surfaces of exterior walls.
1. BASF Building Systems; Sonolastic NP 2
2. May National Assoc.; Bondaflex PUR 2 NS
3. Pacific Polymers;Elasto-Thane 227 High Shore Type II
4. Pecora Corp.; Dynatrod
5. Sika Corp.; Sikaflex - 2c NS or Sikaflex 2c EZ MIX
6. Tremco; Vulkem 240 FC or Vulkem 227
D. Urethane Joint Sealants: Type S or M, Grade P, Class 50, Uses (exposure) T and NT, Uses (substrates) M, A, O (brick & ceramic tile) Application:Interior ceramic tile expansion, control, contraction, and isolation joints in horizontal traffic surfaces, exterior horizontal nontraffic and traffic isolation and contraction joints in GIP concrete slabs.
1. Type M (multi-component)
a. Polymeric Systems, Inc.; PSI-270
b. Sonneborn, Division of ChemRex; SL 2
c. Tremco Inc.; Dymeric 240 FC
d. Pecora Corp.; Dynatrol II-G
e. Sika Corp.; Sikaflex - 2c SL
2. Type S (single-component)
a. Polymeric Systems, Inc.; PSI-901
b. Pacific Polymers Int.; Elasto-Thane 230 LM Type II
E. Silicone Joint Sealants: Type S, Grade NS, Class 25, Uses (exposure) NT, Uses (substrates) G, A, O (ceramic tile)Application: Interior joints between plumbing fixtures and adjoining walls, floors, and counters.
1. Mildew-Resistant Neutral-Curing Silicone Sealant
a. Pecora Corp.; 898
2. Mildew-Resistant Acid-Curing Silicone Sealant
a. Dow Corning; 786 Mildew Resistant
b. GE Silicones; Sanitary SCS1700
c. Sonneborn, Division of ChemRex; OmniPlus
d. Tremco; Tremsil 200 White

08 11 13 HOLLOW METAL DOORS AND FRAMES

- 1.1 SUMMARY
A. Standard hollow metal doors and frames
B. Related Requirements:
1. Section 09 91 00 "Painting" for coordination of paint colors and finishes.
2. Refer to Drawings for Door Hardware.
1.2 QUALITY ASSURANCE
A. Obtain hollow metal work from single source from single manufacturer.
B. Verify actual dimensions of openings by field measurement before fabrication.
1.3 PERFORMANCE CRITERIA
A. Fire-Rated Assemblies: Complying with NFPA 80 and listed and labeled by a qualified testing agency acceptable to AHJ, based on testing at positive pressure according to NFPA 252 or UL 10C.
B. Smoke and Draft-Control Assemblies: Provide an assembly with gaskets listed and labeled by a qualified testing agency acceptable to the AHJ based on testing according to UL 1784 and installed in compliance with NFPA 105.
C. Cold-Rolled Steel Sheet: ASTM A 1008/A 1008M, Commercial Steel (CS), Type B.; suitable for exposed applications.
D. Hot-Rolled Steel Sheet: ASTM A 1011/A 1011M, Commercial Steel (CS), Type B; free of scale, pitting, or surface defects; pickled and oiled.
E. Metallic-Coated Steel Sheet: ASTM A 653/A 653M, Commercial Steel (CS), Type B; with minimum G60 (Z180) or A60 (ZF180) metallic coating.
F. Frame Anchors: ASTM A 591/A 591M, Commercial Steel (CS), 40Z (12G) coating designation; mill phosphatized.
G. Inserts, Bolts, and Fasteners: Hot-dip galvanized.
H. Grout: ASTM C 476, except with a maximum slump of 4 inches, as measured according to ASTM C 143/C 143M.
2.1 PRODUCTS
A. Manufacturers: Subject to compliance with requirements, but not limited to the following:
1. Amweld Building Products
2. Ceco Door Products
3. Steelcraft
4. Carnes Company
5. Benchmark
6. Security Metal Products
B. Interior Doors and Frames: NAAMM-HMMA 861, cold-rolled steel sheet:
1. Doors:
a. Design: Flush panel
b. Thickness: 1-3/4 inches
c. Level 3 and Physical Performance Level A (Extra Heavy Duty), Model 2 (seamless)
d. Finish: Factory primed, field painted
e. Fabricate with reinforcing plates from same material as door face sheet at hardware locations
f. Fabricate concealed stiffeners and hardware reinforcement from either cold rolled or hot rolled sheet.
2. Frames: Mitered or coped corners, full profile welded, .053 inch thick steel sheet (16 ga), factory primed, field painted.
C. Exterior Doors and Frames: NAAMM-HMMA 86, Metallic coated steel sheet:
1. Doors:
a. Design: Flush panel
b. Thickness: 1-3/4" inches
c. Level 3 and Physical Performance Level A (Extra Heavy Duty), Model 2 (seamless)
d. Finish: Factory primed, field painted
e. Thermal-Rated (insulated), R-value not less than 6.0 deg F x h x sq ft./Btu.
2. Frames: Mitered or coped corners, full profile welded, .053 inch thick steel sheet (16 ga), factory primed, field painted.
D. Accessories
1. Jamb Anchors:
a. Masonry Type: Adjustable strap-and-strap or T-shaped anchors not less than .042 inch thick or wire anchors not less than .177 inch thick. Locate anchors no more than 18 inches from top and bottom of frame. Space anchors not more than 32 inches o.c.
b. Stud-Wall Type: Designed to engage stud, welded to back of frames; not less than .042 inch thick. Locate anchors no more than 18 inches from top and bottom of frame. Space anchors not more than 32 inches o.c.
c. Post installed Expansion for in-place concrete or masonry; min. 3/8 inch diameter bolts with expansion shields or inserts. Provide pipe spacer from frame to wall with throat reinforcement plate, welded to frame at each anchor location. Locate anchors not more than 6 inches from top and bottom of frame, space anchors not more than 26 inches.
2. Stops and Moldings
a. Moldings and loose stops for glazed lites in doors: Min. .032 inch thick, fabricated from same material as door face sheet.
b. Fixed frame moldings: Formed integral with hollow metal frames, a min. 5/8 inch high, provide on outside of exterior doors and secure side of interior doors.
3. Door Silencers: Except on weather-stripped doors, drill stops to receive door silencers as follows:
a. Single door frames: Drill stop in strike jamb for three silencers.
b. Double door frames: Drill stop in head jamb for two silencers.
4. Ceiling Struts: Min. 1/4 inch thick by 1 inch thick
3.1 EXECUTION
A. Set frames accurately in position, plumb,ed, aligned, and braced securely until permanent anchors are set.
B. Field apply bituminous coating to backs of frames that are filled with grout containing anti-freezing agents.
C. Metal stud partitions: Solidly pack mineral-fiber insulation behind frames. Concrete walls: Solidly fill space between frames and concrete with grout. Brace frames as necessary to prevent deformation or damage by grout forces.
D. Ceiling struts: extend struts vertically from top of frame at each jamb to header unless frame is anchored to masonry or other structural support at each jamb. Bend top of struts to provide flush contact for securing to supporting construction. Provide adjustable wedged or bolted anchorage to frame jamb members.
E. Fit hollow metal doors in frames within clearances specified:
1. Non-fire-rated doors:
a. Jambs and heads: 1/8 inch plus or minus 1/16 inch.
b. Between edges of pair of doors: 1/8 inch plus or minus 1/16 inch.
c. Between bottom of door and top of threshold: Max. 3/8 inch.
d. Between bottom of door and top of finish floor: Max 3/4 inch.
2. Fire-rated doors: Install according to NFPA 80
3. Smoke-control doors: Install according to NFPA 105

08 36 13 SECTIONAL DOORS

- 1.1 SUMMARY
A. Overhead Sectional Doors.
1.2 SUBMITTALS
A. Shop Drawings: Indicate opening dimensions and required tolerances, connection details, anchorage spacing, hardware locations, and installation details.
B. Product Data: Show component construction, anchorage method, hardware, and accessories.
2.1 PRODUCTS
A. Manufacturers:
1. Wayne-Dalton.
2. Overhead Door Company.
B. Basis of Design: Thermospan Model 150 manufactured by Wayne-Dalton.
1. Steel Doors: Flush steel, Insulated: follow the roof pitch operating style with track and hardware; complying with DASMA 102, Commercial operation.
2. Performance: Withstand positive and negative wind loads equal to 1.5 times design wind loads specified by local code without damage or permanent set, when tested in accordance with ASTM E330/E330M, using 10 second duration of maximum load.
3. Door Nominal Thickness: 2 inches thick.
4. Thermal Resistance: U-value of 0.310, maximum, for overall thickness indicated.
5. Exterior Finish: Factory finished with polyester baked enamel; color as selected from manufacturers standard line.
6. Interior Finish: Factory finished with polyester baked enamel; color as selected from manufacturers standard line.
7. Glazed Lights: Full-view lites, one row; set in place with resilient glazing channel.
8. Operation: electric with backup chain hoists.
9. Door Panels: steel construction; outer steel sheet of 20 gage, 0.0359 inch minimum thickness, flush profile; inner steel sheet of 28 gage, 0.015 inch minimum thickness, flat profile; core reinforcement sheet steel roll formed to channel shape, rabbeted weather joints at meeting rails; polyurethane insulation.
10. Window Frame: manufacturers standard, painted to match.
11. Glazing: fully tempered glass; insulated; clear; 1/2 inch thick.
C. Components:
1. Track: rolled galvanized steel, 0.990 inch minimum thickness; 2 inch wide, continuous one piece per side; galvanized steel mounting brackets 1/4 inch thick.
2. Hinge and Roller Assemblies: Heavy duty hinges and adjustable roller holders of galvanized steel; floating hardened steel bearing rollers, located at top and bottom of each panel, each side.
3. Lift Mechanism: Torsion spring on cross head shaft, with braided galvanized steel lifting cables.
4. Sill Weatherstripping: Roll formed steel section full height of jamb, fitted with resilient weatherstripping, placed in moderate contact with door panels.
5. Head weatherstripping: EPDM rubber seal, one piece full length.
6. Panel Joint Weatherstripping: Neoprene foam seal, one piece full length.
7. Lock: inside center mounted, adjustable keeper, spring activated latch bar with feature to retain in locked or retracted position; interior and exterior handle.
3.1 EXECUTION
A. Installation:
1. Install door unit assembly in accordance with manufacturer's instructions.
2. Anchor assembly to wall construction and building framing without distortion or stress.
3. Securely brace door tracks suspended from structure.
4. Secure tracks to structural members only.
5. Fit and align door assembly including hardware.
6. Coordinate installation of electrical service. Complete power and control wiring from disconnect to unit components.
7. Install perimeter trim and closures.
8. Mount bottom reflector for the photo-electric switch at 18 inches above the top of concrete slab. Mount the photo cell at 42 inches, diagonally across the opening aimed at an angle to hit the reflector so as to intercept the fire apparatus body if in the door opening.
9. Mount remote control receiver for hand held transmitters at +60" A.F.F. Individual up/down/stop button controls and radio receivers are to be mounted on the left side of each overhead door, when facing the doors from the inside of the Bays. Verify exact locations with Owner prior to installation.

08 53 13 VINYL WINDOWS

- 1.1 SUMMARY
A. Vinyl Framed Windows
B. Related Section
1. Glazing
1.2 QUALITY ASSURANCE
A. Verify actual locations of structural supports for aluminum-framed systems by field measurements before fabrication and indicate measurements on Shop Drawings.
1.3 PERFORMANCE CRITERIA
A. Structural Loads:
a. Wind loads as indicated on structural drawings.
b. Other loads as indicated on structural drawings.
B. Provide vinyl windows tested for thermal performance according to AAMA/WDMA 101/I.S.2/NAFS. Performance class and grade: CW40
C. Condensation-Resistance Factor (CRF): Provide vinyl windows tested for thermal performance according to AAMA 1503, showing a CRF of 52
D. Thermal Transmittance: Provide vinyl windows with a whole-window, U factor max. indicated at 15-mph exterior wind velocity and winter condition temperatures when tested according to AAMA 1503, U-Factor: 0.35 Btu/sq ft. h x deg F or less.
E. Solar Heat Gain Coefficient (SHGC): Provide vinyl windows with a whole-window SHGC max. of 0.34, determined according to HFRC 200 procedures.
F. Sound Transmission Class (STC): Provide glazed windows rated for not less than 35 STC when tested for laboratory sound transmission loss according to ASTM E 90 and determined by ASTM E 413.
G. Air Infiltration: Max. rate not more than indicated when tested according to AAMA/WDMA 101/I.S.2/NAFS, Air Infiltration Test. Max. Rate: 0.3. cfm/sq.ft. of area at an inward test pressure of 6.24 lbf/sq. ft. (300 Pa).
H. Water Resistance: No water leakage as defined by AAMA/WDMA referenced test methods at a water test pressure equaling that indicated, when tested according to AAMA/WDMA 101/I.S.2/NAFS, Water Resistance Test. Test Pressure: 20 percent of positive design pressure, but not more than 15 lbf/sq. ft. (720 Pa).

2.1 PRODUCTS

- A. Manufacturers: See drawings for basis of design system or comparable product by one of, but not limited to, the following:
1. JeldWan
2. Milgard
3. Pella
4. Marvin
5. Simonton
B. Framing Members: Vinyl to be rigid (unplasticized) hollow PVC extrusions, formulated and extruded for exterior applications, complying with AAMA/WDMA 101/I.S.2/NAFS and the following:
1. PVC Resins: 100 percent virgin resin.
2. PVC Formulation: High impact, low heat buildup, lead free, nonchalking, and color and UV stabilized.
3. Extrusion Wall Thickness: Not less than 0.125 inch
4. Multichamber Extrusions: Profile designed with two chambers between interior and exterior faces of the extrusion.
5. Integral Finish and Color: uniform, solid, homogeneous interior and exterior color as selected from manufacturer's standard colors.
C. Fasteners: Aluminum, nonmagnetic stainless steel, epoxy adhesive, or other materials warranted by manufacturer to be noncorrosive and compatible with vinyl window members, cladding, trim, hardware, anchors, and other components.

3.1 EXECUTION

- A. Factory-glazed Fabrication: Except for light sizes in excess of 100 united inches, glaze vinyl windows in the factory where practical and possible.
B. Install windows level, plumb, square, true to line, without distortion or impeding thermal movement, anchored securely in place to structural support, and in proper relation to wall flashing and other adjacent construction.
C. Set sill members in bed of sealant or with gaskets as indicated for weather tight construction. Shim jambs as needed for a straight installation.
D. Remove film from glass and clean exterior and interior surface and glass with mild soap and water.

08 80 00 GLAZING

1.1 SUMMARY

- A. Glazing for windows

1.3 PERFORMANCE CRITERIA

- A. General: Installed glazing systems shall withstand normal thermal movement and wind and impact loads (where applicable) without failure, including loss or glass breakage attributable to the following: defective manufacture, fabrication, or installation; failure of sealants or gaskets to remain watertight and airtight; deterioration of glazing materials; or other defects in construction.
B. Thermal movements: allow for thermal movements from ambient and surface temperature changes acting on glass framing members and glazing components: Temperature change 120 deg F ambient; 180 deg F material surface.
C. Safety glazing labeling: where safety glazing labeling is indicated, permanently mark glazing with certification label of the SGCC or another certification agency acceptable to authorities having jurisdiction or the manufacturer. Label shall indicate manufacturer's name, type of glass, thickness, and safety glazing standard with which glass complies.

2.1 PRODUCTS

- A. Insulating Glass Units: Factory-assembled units consisting of sealed lites of glass separated by a dehydrated interspace, qualified according to ASTM E 2190, and complying with other requirements specified.
1. Sealing system: Dual seal, with manufacturer's standard primary and secondary.
2. Spacer: Manufacturer's standard spacer material and construction
3. Desiccant: Molecular sieve or silica gel, or blend of both.
B. General: Solar Control Low-E Insulating Glass.
C. Basis of Design Product: Oldcastle Glass, PPG Solarban 60 on Clear Low E #2
1. Overall unit thickness and thickness of each lite: 1 inch and 1/4 inch
2. Interspace content: air
3. Indoor Lite: Type 1 (transparent glass, flat),class 1 float glass, annealed.
4. Outdoor Lite: Type 1 (transparent glass, flat), class 2 (heat absorbing and light reducing) float glass, annealed.
5. Low-E Coating: Sputtered on second surface.
6. Visible Light Transmittance: 35 percent
7. Solar Heat Gain Coefficient: 0.33 maximum
8. Outdoor Visible Reflectance: 6 percent
9. Relative Heat Gain: 58-66

3.1 EXECUTION

- A. Protect glass edges from damages during handling and installation. Remove damaged glass from Project site and legally dispose of off Project site. Damaged glass is glass with edge damage and/or imperfections that, when installed, could weaken glass and impair performance and appearance.
B. Provide spacers for glass lites where length plus width is larger than 50 inches. Locate spacers directly opposite each other on both inside and outside faces of glass. Install correct size and spacing to preserve required face clearances. Provide 1/8 inch minimum bite of spacers on glass and use thickness equal to sealant width. With glazing tape, use thickness slightly less than final compressed thickness of tape.
C. Protect exterior glass from damage immediately after installation by attaching crosses streamers to framing held away from glass. Do not apply markers to glass surface. Remove nonpermanent labels and clean surfaces.
D. Wash glass on both exposed surfaces in each area of Project not more than four days before date scheduled for inspections that establish date of substantial completion.



524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-659-2205

BANDON SCHOOL DISTRICT #54 455 9TH STREET SW BANDON, OR 97411

BANDON SCHOOL DISTRICT NEW BUS BARN



EXPIRES: 06-30-26

Table with 2 columns: DATE, Description

PROJECT NO. G-1533-22 DRAWN: LJS CHECKED: DDS DATE: 02-13-2024

SPECIFICATIONS

AS.11

BID AND PERMIT SET

22 00 00 PLUMBING DESIGN-BUILD PERFORMANCE SPECIFICATION

- 1.01 DESCRIPTION OF WORK
A. This project consists of a public bid job for a new Bus Barn for the Bandon School District located in Bandon, Oregon. Refer to construction drawings for additional information and scope of work.
1.02 SECTION INCLUDES
A. Design and construction of complete Plumbing systems.
1.03 RELATED SECTIONS
A. See other Specification Sections.
1.04 REFERENCES
A. Plumbing system design shall be in accordance with the requirements of the Oregon Plumbing Specialty Code (OPSC) and local laws and ordinances.
1.05 REQUIREMENTS
A. The Plumbing drawings shall be provided by the Contractor.
1.06 SUBMITTALS FOR REVIEW
A. Construction Documents Components (in addition to Design Development Components):
3.01 GENERAL
A. Drawings:
3.02 FIELD INVESTIGATION
A. Perform an extensive field investigation and record information required to perform the Plumbing Systems design described herein.
3.05 PLUMBING DESIGN
A. Coordinate with the Owner, Architect, and other disciplines to determine locations and space requirements of all new fixtures.

23 00 00 MECHANICAL DESIGN-BUILD PERFORMANCE SPECIFICATION

- 1.01 DESCRIPTION OF WORK
A. This project consists of a public bid job for a new Bus Barn for the Bandon School District located in Bandon, Oregon. Refer to construction drawings for additional information and scope of work.
1.02 SECTION INCLUDES
A. Design and construction of mechanical heating system under the base bid.
1.03 RELATED SECTIONS
A. See other Specification Sections.
1.04 REFERENCES
A. Heating, ventilating, and cooling system design shall be in accordance with the requirements of the Oregon Mechanical Specialty Code (OMSC), local laws and ordinances and with load calculations in accordance with ASHRAE procedures.
1.05 REQUIREMENTS
A. The Mechanical (HVAC) Drawings shall be provided by the Contractor.
1.06 SUBMITTALS FOR REVIEW
A. Construction Documents Components:
3.01 GENERAL
A. Drawings:
B. Existing Documentation:
C. Mechanical Design:

26 00 00 ELECTRICAL DESIGN-BUILD PERFORMANCE SPECIFICATION

- 1.01 DESCRIPTION OF WORK
A. This project consists of a public bid job for a new Bus Barn for the Bandon School District located in Bandon, Oregon. This Specification Section covers design/build performance requirements for the electrical systems.
1.02 ASSUMPTION
A. The existing service is sized to accommodate this project's loads.
1.03 SECTION INCLUDES
A. Design and construction of electrical power distribution and lighting systems.
1.04 RELATED SECTIONS
A. See other Specification Sections (mechanical and structural).
1.05 REFERENCES
A. Electrical and lighting system design shall be in accordance with the requirements of the National Electrical Code (NEC), Oregon Electrical Specialty Code (OESC) and local laws and ordinances.
1.06 REQUIREMENTS
A. The electrical and lighting system drawings shall be provided by the Contractor.
1.07 SUBMITTALS FOR REVIEW
A. Construction Documents Components:
3.01 GENERAL
A. Drawings:
B. Existing Documentation:
C. Electrical Design:
D. Lighting Design:
3.02 FIELD INVESTIGATION
A. Perform an extensive field investigation and record information required to perform the electrical and lighting designs described herein.

- 3.05 ELECTRICAL DESIGN
A. Coordinate with the Owner, Architect, and other disciplines to determine locations and electrical requirements of all new equipment requiring power distribution.
B. Conduit and Feeders:
3.06 LIGHTING DESIGN
A. Minimum lighting intensities shall meet the following design criteria:
1. Exterior: Average of 2 foot-candles at ground level, not to exceed 5-foot-candles.



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BANDON SCHOOL DISTRICT #54 455 9TH STREET SW BANDON, OR 97411

BANDON SCHOOL DISTRICT NEW BUS BARN



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PROJECT NO. G-1533-22
DRAWN: LJS
CHECKED: DDS
DATE: 02-13-2024

SPECIFICATIONS

AS.13

BID AND PERMIT SET