



# CANADORE COLLEGE ACTIVE TRANSPORTATION HUB

ISSUED FOR CLASS B COSTING

## DRAWING LIST

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### GENERAL NOTES

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FOR COSTING PURPOSES  
NOT FOR CONSTRUCTION

No.	Description	Date
1	ISSUED FOR 90% CLIENT REVIEW	2026-03-12
2	ISSUED FOR CLASS B COSTING	2026-03-20



WWW.SHIELDENG.CA 130 PARIS STREET,  
TEL: 705-885-8010 SUDBURY, ON P3E 3E1

CANADORE COLLEGE ACTIVE  
TRANSPORTATION HUB

CANADORE COLLEGE

COVER PAGE

Project number 5436

A000

Scale 3/8" = 1'-0"

2026-03-20 12:52:41 PM

**ONTARIO BUILDING CODE NOTES:**

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR, OWNER AND BUILDING PRINCIPAL AUTHORITY TO VERIFY THAT ALL CONSTRUCTION STRICTLY CONFORMS TO THE LATEST VERSION OF THE ONTARIO BUILDING CODE.
2. ALL DIMENSIONS AND SPECIFICATIONS SHALL BE VERIFIED BY THE CLIENT, CONTRACTOR AND PRINCIPAL AUTHORITY HAVING JURISDICTION PRIOR TO THE COMMENCING OF ANY CONSTRUCTION OR ORDERING MATERIAL.
3. NO CONSTRUCTION SHALL COMMENCE WITHOUT FIRST OBTAINING APPROVAL FROM THE CHIEF BUILDING OFFICIAL.

**GENERAL NOTES:**

1. ALL DIMENSIONS ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION AND FABRICATION.
2. ALL WORK, FABRICATION, AND CONNECTIONS SHALL BE IN CONFORMANCE WITH THE OBC AND APPLICABLE CSA STANDARDS. WHERE THE DRAWING DEVIATES FROM THE OBC AND APPLICABLE STANDARDS, THE MORE STRINGENT SHALL GOVERN. ALL SPECIFIED AND PROPRIETARY PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION.
3. FINISHES SHALL BE COMPLETED PER OBC AND WEATHER TIGHT COMPLETE WITH APPROPRIATE DRIP EDGES, FLASHING, WATER & ICE SHIELD, DOWNSPOUTS WITH SPLASH PADS, ETC. AS REQUIRED AND EXPECTED BY GOOD CONSTRUCTION PRACTICES.
4. IF ANY MODIFICATIONS ARE REQUIRED WHICH DO NOT FOLLOW THE DRAWING INSTRUCTIONS CONTACT ENGINEER FOR APPROVAL PRIOR TO PROCEEDING WITH THESE CHANGES.
5. ELECTRICAL AND MECHANICAL ARE NOT INCLUDED WITH THIS DRAWING. PROPER E.S.A. INSPECTIONS ARE TO BE COMPLETED, AND ALL WORK TO COMPLY WITH O.B.C. (LATEST EDITION).
6. ANY WOOD IN CONTACT WITH CONCRETE OR THE GROUND SHALL BE PRESURE TREATED. ALL TIMBER SHALL BE PRESERVATIVE TREATED IN ACCORDANCE WITH CSA SPECIFICATION 080-M "WOOD PRESERVATION", AS PER CATEGORY COS 1 REQUIREMENTS FOR SPECIES AND PRESERVATION TYPE. SHOULD UNTREATED WOOD BE USED, THE WOOD SHALL BE SEPARATED FROM THE CONCRETE BY A 2 MIL POLYETHYLENE FILM, 650 OR OTHER DAMPROOFING MATERIAL.
7. CLEAN & MAKE GOOD ALL TRADES TO MATCH NEW AND EXISTING FINISHES, INCLUDING ANY DAMAGE CAUSED BY CONSTRUCTION.
8. WHERE REQUIRED THE CONTRACTOR SHALL PROVIDE TEMPORARY SHORING. THE SHORING LOADS SHALL BE ASSESSED AND CONSTRUCTED BY A COMPETENT PERSON.
9. SHOULD AT ANY TIME ANY DETAILS CONTAINED WITHIN THIS DRAWING PACKAGE ARE NOT UNDERSTOOD FULLY, CONTACT ENGINEER FOR GUIDANCE AND/OR CLARIFICATION.
10. IT IS THE SOLE RESPONSIBILITY OF THE OWNER/BUILDER TO CONTACT THE ENGINEER FOR INSPECTION AND TO NOTIFY THE ENGINEER WHEN THE PROJECT IS READY FOR INSPECTION(S) PRIOR TO COMPLETION. CONTACT THE ENGINEER AND BUILDING OFFICIAL FOR THE APPROPRIATE INSPECTION INTERVALS TO SUIT THE CONSTRUCTION.
11. ALL FINISHED GRADES SHALL SLOPE AWAY FROM BUILDINGS TO ALLOW ALL SURFACE DRAINAGE TO BE DIRECTED AWAY FROM BUILDING.

**FOUNDATION NOTES:**

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE APPROPRIATE WATER CONTROL/DE-WATERING METHODS ON THE WORKSITE AS REQUIRED DURING THE PROJECT.
2. CONTACT ENGINEER ONCE REBAR/REINFORCEMENT AND FORMS ARE IN PLACE FOR FINAL INSPECTION PRIOR TO PLACING CONCRETE.
3. FOR ADDITIONAL DETAILS REGARDING ANCHORAGE OF STRUCTURE TO FOUNDATION REFER TO CLAUSE 9.23.6 OF THE ONTARIO BUILDING CODE. OWNER SHALL CONSIDER J-BOLTS, POST INSTALLED ANCHORS, OR MUDSILL ANCHORS FOR ANCHORING SILL PLATE TO CONCRETE. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 GRADE A36 OR BETTER.
4. CONTRACTOR SHALL ENSURE ALL PROPER LOCATES ARE PERFORMED PRIOR TO CONSTRUCTION.
5. COORDINATE ALL WORK WITH OWNER, AND SHOULD ANY SUBSTITUTIONS BE REQUIRED CONSULT AND SEEK APPROVAL IN WRITING FROM OWNER PRIOR TO PROCEEDING WITH THE WORK.
6. OWNER/CONTRACTOR SHALL PLACE FLOOR DRAINS AS DESIRED WITHIN BUILDING.
7. MIN. ALLOWABLE BEARING PRESSURE OF 75KPa (SLs) (TO BE CONFIRMED BY OWNER/OTHERS). IT IS THE SOLE RESPONSIBILITY OF THE OWNER/BUILDER TO RENDER THE SERVICES OF A GEOTECHNICAL ENGINEER AS REQUIRED TO SATISFY THE SOIL AND DRAINAGE REQUIREMENTS OF THIS DRAWING, AND/OR TO SATISFY THE REQUIREMENTS OF LOCAL BUILDING OFFICIALS. THE GEOTECHNICAL ENGINEER SHALL ALSO PROVIDE RECOMMENDATIONS TO THE FILL AND SOIL SHOWN IN THIS DRAWING BASED ON THEIR INVESTIGATION.
8. A SOILS CONSULTANT SHALL APPROVE ON SITE THE ASSIGNED SAFE NET BEARING PRESSURE FOR EACH FOOTING. IF THE SAFE NET BEARING PRESSURE FOR DESIGN IS NOT APPROVED, THE FOUNDATION DETAILS WILL BE ADJUSTED BY THE ENGINEER ACCORDING TO SITE CONDITIONS.
9. SPECIFIED INSULATION TO BE APPROVED BY QUALIFIED GEOTECHNICAL ENGINEER IN ACCORDANCE WITH THE LOCAL SOIL CONDITIONS.
10. IF SOIL SOFTENING OCCURS BEFORE CONCRETE FOOTING CAN BE POURED, OR AS REQUIRED BY THE SOILS REPORT, CONSTRUCT FOOTINGS ON A LEVEL 2" THICK SKIM SLAB OF 2000psi MINIMUM 28 DAY STRENGTH. PLACE IMMEDIATELY AFTER COMPLETION OF EXCAVATION.
11. LOCATE FOOTING ELEVATIONS AS REQUIRED TO ACCOMMODATE BURIED ELECTRICAL OR MECHANICAL SERVICES AND PROTECT EXISTING AND ADJACENT FOOTINGS FROM BEING UNDERMINED AND OVERLOADED BY LIMITING THE SLOPE OF THE LINE BETWEEN THE ADJACENT FOOTING ELEVATIONS TO A 7 IN 10 MAXIMUM SLOPE WITH A MAXIMUM RISE OF 2'-0".
12. USE EXCAVATED MATERIALS AS BACKFILL ONLY AS APPROVED BY SOILS CONSULTANT.
13. SLAB-ON-GRADE MAY BE PLACED ON FILL WHICH DOES NOT CONTAIN ORGANIC MATERIAL. THE SOILS ENGINEER MUST EXAMINE ALL FILL MATERIAL SHOULD THE FILL BE UNACCEPTABLE. REMOVE THIS FILL DOWN TO UNDISTURBED SOIL AND REPLACE WITH COMPACTED GRANULAR "B".

**CONCRETE NOTES:**

1. ALL CONCRETE MATERIALS, WORK, DESIGN, AND TESTING SHALL CONFORM WITH CSA A23.1/23 (LATEST EDITIONS).
2. THE MINIMUM COMPRESSIVE STRENGTH SHALL BE 32 MPa AT 28 DAYS WITH AN EXPOSURE CLASS C-1 CSA A23.11 AND AIR CONTENT BETWEEN 4% TO 7%. A SLUMP OF 3" (+/- 3/4") IS TO BE ACHIEVED WITH A MAX. AGGREGATE SIZE, CRUSHED STONE OF 3/4". A TRUCK DISCHARGE TEMPERATURE OF 15°C TO 25°C IS REQUIRED.
3. GROUT SHALL BE CPD NON-SHRINK, NON-METALLIC GROUT U.N.O.
4. MINIMUM CONCRETE COVER TO REINFORCEMENT =
  - 4.1. EXTERIOR CONCRETE PERMANENTLY EXPOSED TO EARTH = 75 mm
  - 4.2. EXTERIOR CONCRETE EXPOSED TO FREEZE-THAW CHLORIDES = 60 mm
  - 4.3. INTERIOR CONCRETE SLABS (NOT EXPOSED) = 20 mm
5. REINFORCEMENT SHALL BE (ALL CODES PER THE LATEST EDITIONS):
  - 5.1. DEFORMED BARS OF NEW BILLET STEEL CONFORMING TO CAN/CSA G30.18 GRADE 400R.
  - 5.2. WELDED WIRE REINFORCEMENT CONFORMING TO ASTM A185/A185M
  - 5.3. STEEL FIBERS COMFORMING TO ASTM STANDARD A820/A820M
  - 5.4. LAP SPLICES AT A MINIMUM SHALL EQUAL TO OR EXCEED THAT OF CLASS B TENSION LAP SPLICES PER CSA-A23.3.
  - 5.5. ALL 10M BARS SHALL BE SPLICED WITH A MINIMUM OVERLAP OF 15".
  - 5.6. ALL 15M BARS SHALL BE SPLICED WITH A MINIMUM OVERLAP OF 22".
  - 5.7. ALL 20M BARS SHALL BE SPLICED WITH A MINIMUM OVERLAP OF 29".
6. FOR COLD WEATHER CONCRETE (WEATHER EXPECTED TO DROP BELOW 5°C) FOLLOW THE REQUIREMENTS OF CSA STANDARD A23.1. THIS INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:
  - 6.1. DO NOT PLACE CONCRETE AGAINST FROZEN MATERIAL.
  - 6.2. CONTRACTOR SHALL PROVIDE MEANS OF ENSURING THE CONCRETE CURES FOR A MIN. OF 5 DAYS AT OR ABOVE 10°C.
  - 6.3. DO NOT ALLOW CONCRETE TO COOL BELOW FREEZING FOR A MIN. OF 7 DAYS.
7. WET CURE SLAB FOR A MIN. OF 7 DAYS.
8. REFER TO FOUNDATION PLAN FOR LOCATION OF SAWCUTS. SAWCUTS SHALL BE FREE OF DEBRIS AND FILLED WITH JOINT FILLER OR ELASTOMERIC JOINT SEALANT TO SUIT USE AND AESTHETIC PREFERENCE. SAWCUTS SHALL BE MADE WITHIN 24 HOURS OF FINAL TROWELLING AND PRIOR TO ANY SHRINKAGE OCCURRING.

**CIVIL NOTES:**

1. REMOVE ALL ORGANICS, TOPSOIL, OR CONTAMINATED SOIL PRIOR TO PLACEMENT OF GRANULAR FILL IDENTIFIED
2. THE SITE SHALL BE GRADED TO DRAIN SURFACE AWAY FROM THE FOUNDATION IN ACCORDANCE WITH THE O.B.C. IN SOILS OTHER THAN GW, GP, SW, SP, GM, AND SM (PER ASTM D24897), A LAYER OF MODIFIED B TYPE II SHALL BE PLACED TO ALLOW THE WATER TO BE DRAINED TO DAYLIGHT, OR AN APPROVED FOUNDATION DRAINAGE SYSTEM SHALL BE PROVIDED.
3. SHOULD FOUNDATION BEAR ON BEDROCK WITH A SLOPE GREATER THAN 3H:1V CONTACT ENGINEER FOR ASSISTANCE.
4. ALL SOIL SHALL BE COMPACTED TO 100% STANDARD PROCTOR DENSITY.

**STRUCTURAL STEEL FABRICATION NOTES**

1. ALL STEEL SHALL BE DESIGNED, FABRICATED, AND ERECTED IN CONFORMANCE WITH CSA S16 AND THE ONTARIO BUILDING CODE, LATEST EDITIONS
2. STRUCTURAL STEEL SHALL BE ALL NEW MATERIAL. CONTRACTOR TO PROVIDE MILL CERTIFICATES UPON REQUEST BY THE ENGINEER.
3. STRUCTURAL STEEL MATERIAL SHALL CONFORM TO:
  - > WIDE FLANGE: ASTM A572 GR. 50 / ASTM A992
  - > CHANNEL AND ANGLES: CSA G40.20/21 350W
  - > HOLLOW STRUCTURAL SECTIONS (HSS): ASTM A500 GR. C
  - > PLATE: CSA G40.20/21 300W
4. CUTTING OR CORING OF OPENINGS IN STRUCTURAL STEEL MEMBERS IS NOT PERMITTED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER. DEBURR AND GRIND ALL SHARP EDGES. BREAK ALL SHARP CORNERS.
5. SPLICING OF SECTIONS IS NOT PERMITTED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER
6. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH CSA W59 BY WELDERS CERTIFIED TO DIVISION 1 OR 2 OF CSA W47.1 USING E48XX ELECTRODES CONFORMING TO CSA W48. MINIMUM FILLET WELD SIZE IS 3/16" U.N.O.
7. EXPOSED WELDS SHALL BE CONTINUOUS AND GROUND SMOOTH.
8. HSS ENDS SHALL BE CAPPED WITH 3/16" PLATE SEAM-WELDED WEATHER TIGHT.
9. STRUCTURAL BOLT ASSEMBLIES SHALL CONSIST OF ASTM F3125 GRADE A325 BOLTS COMPLETE WITH ASTM F536 HEAVY HEX NUTS AND ASTM F436 WASHERS, AND SHALL BE BEARING-TYPE CONNECTIONS U.N.O. MINIMUM NOMINAL BOLT DIAMETER IS 3/4".
10. SEPARABLE FABRICATED STEEL ELEMENTS SHALL BE INDIVIDUALLY COMMERCIAL BLAST CLEANED TO SSPC-SP6 AND COATED WITH A HIGH-QUALITY PRIMER. STRUCTURAL STEEL FINISH COAT SHALL BE:
  - > CONCEALED/FLASHED STRUCTURAL STEEL BEAMS: RED-OXIDE PRIMER, TOUCHED UP IN THE FIELD AS REQUIRED
  - > EXPOSED COLUMNS: SUITABLE PRIMER FOR INTUMESCENT PAINT IN ACCORDANCE WITH ARCHITECTURAL SPECIFICATIONS. REFER TO ARCHITECTURAL DESIGN NOTES.

**STRUCTURAL STEEL CONNECTION DESIGN**

1. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND DETAILING OF ALL STRUCTURAL STEEL CONNECTIONS. ALL CONNECTION DETAILS SHALL BE PROVIDED IN THE FORM OF DETAILED FABRICATION DRAWINGS IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
2. CONNECTION DESIGN SHALL BE IN CONFORMANCE WITH APPLICABLE PROVISIONS OF CSA S16, LATEST EDITION, TO PROVIDE RESISTANCES NOT LESS THAN THE LOADS INDICATED.
3. ALL LOADS ON DRAWINGS ARE GOVERNING FACTORED LOADS AND SHALL BE ASSUMED TO OCCUR CONCURRENTLY. SERVICE LOADS MAY BE ASSUMED TO BE 80% OF THE FACTORED LOADS FOR CONNECTION DESIGN.
4. STRUCTURAL STEEL MEMBER ALIGNMENT SHALL BE CONCENTRIC WITH GRIDLINES PROVIDED IN PROJECT DRAWINGS. ECCENTRIC CONNECTIONS ARE NOT PERMITTED.
5. SPLICING OF SECTIONS IS NOT PERMITTED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.
6. SHEAR CONNECTIONS SHALL BE DESIGNED FOR NOT LESS THAN ONE-HALF THE MAXIMUM UNIFORMLY DISTRIBUTED LOAD CAPACITY OF THE CONNECTING BEAM ASSUMING THAT CONTINUOUS LATERAL SUPPORT IS PROVIDED TO THE COMPRESSION FLANGE U.N.O.
7. UNLESS OTHERWISE APPROVED BY THE ENGINEER, BEARING SURFACE FABRICATION AND ERECTION REQUIREMENTS SHALL BE CLEARLY INDICATED IN FABRICATION DRAWINGS. COMPLETE JOINT PENETRATION WELDS SHALL BE SUBJECT TO 100% MAGNETIC PARTICLE.
8. TESTING OR OTHER QUALITY CONTROL PROCEDURES APPROVED BY THE ENGINEER. CONTRACTOR SHALL SUBMIT FABRICATION DRAWINGS SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO FOR REVIEW BY THE DESIGN ENGINEER TO CONFIRM THAT THE STRUCTURAL INTENT HAS BEEN UNDERSTOOD AND MET.

**STRUCTURAL WOOD:**

1. CONFORM TO CSA 086: "ENGINEERING DESIGN IN WOOD"
2. MATERIALS:
  - 2.1 GLUED LAMINATED MEMBERS (GLULAM) CONFORMING TO CSA O122 FABRICATED IN A QUALIFIED PLANT CONFORMING TO CSA O177.
    - BEAMS: 20#E SPRUCE PINE
    - APPEARANCE GRADE: QUALITY
    - WOOD PASTE: FLEXIBLE, EPOXY-BASED BY PC-WOODY (OR APPROVED ALTERNATE)
  - 2.2 WOOD DECKING
    - CROSS LAMINATED TIMBER (CLT) - GRADE E1, 5 PLYS (175MM)
3. STORAGE AND HANDLING
  - 3.1 ALL WOOD MEMBERS ARE TO BE STORED ON SITE, RAISED OFF THE GROUND AND UNDER COVER OR LOOSELY-FITTED TARPS.
  - 3.2 STACK PROPRIETARY WOOD PRODUCTS WITH WOOD SPACERS UNLESS OTHERWISE NOTED BY THE MANUFACTURER.
  - 3.4 MAINTAIN FACTORY APPLIED WRAPPING ON ALL GLULAM AND HEAVY TIMBER ELEMENTS UNTIL INSTALLED AND PROTECTED FROM THE ELEMENTS. PUNCTURE UNDERSIDE OF WRAPPING TO PERMIT DRAINAGE.
  - 3.5 HANDLE ALL PROPRIETARY WOOD PRODUCTS AS RECOMMENDED BY THE MANUFACTURER.
4. GLULAM AND HEAVY TIMBER
  - 4.1 SUBMIT SHOP DRAWINGS INCLUDING ERECTION DRAWINGS AND CONNECTION DETAIL DRAWINGS. ALL SHOP DRAWINGS TO BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN ONTARIO RETAINED BY THE CONTRACTOR TO BE RESPONSIBLE FOR THE DESIGN OF ALL CONNECTIONS. SHOW ON SHOP DRAWINGS: MEMBER SIZES, MATERIAL SPECIFICATIONS, FINISHES, ORIENTATION, HANDLING REQUIREMENTS AND CONNECTIONS.
  - 4.2 FINISHES
    - GLULAM MEMBERS EXPOSED TO THE ELEMENTS ARE TO RECEIVE MINIMUM 2 COATS OF SEALER
    - SEALER IS TO BE COMPATIBLE WITH PAINTS AND/OR STAINS SPECIFIED ELSEWHERE IN THE CONTRACT DOCUMENTS. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR FINISHING REQUIREMENTS.
  - 4.3 CONTRACTOR TO ENSURE THAT GLULAM AND HEAVY TIMBER MEMBERS ARE ADEQUATELY PROTECTED FROM THE ENVIRONMENT DURING CONSTRUCTION. REFER ALSO TO MANUFACTURERS RECOMMENDATIONS. LARGE CHANGES IN MEMBER MOISTURE CONTENT AND/OR TEMPERATURE MAY RESULT IN EXCESSIVE CHECKING, REQUIRING REMEDIATION AND/OR REPLACEMENT AT NO COST TO THE OWNER.
    - CONTRACTOR TO FILL ALL CHECKS IN EXPOSED MEMBERS WITH FLEXIBLE WOOD PASTE. AFTER BUILDING HAS BEEN IN OPERATION FOR 11 MONTHS, PASTE FINISH IS TO MATCH THAT OF THE MEMBER.
  - 4.4 PROVIDE PRESSURE-TREATED WOOD OR FOAM GASKET BETWEEN WOOD IN CONTACT WITH MASONRY OR CONCRETE.
  - 4.5 DO NOT NOTCH STRUCTURAL WOOD MEMBERS WITHOUT THE WRITTEN CONSENT OF THE DESIGNER AND/OR CONSULTANT.
  - 4.6 DO NOT DRILL HOLES IN BEAMS, COLUMNS OR PROPRIETARY WOOD MEMBERS (UNLESS APPROVED IN WRITING BY THE DESIGNER). HOLES DRILLED IN STUDS, TOP/BOTTOM PLATES AND JOISTS ARE NOT TO EXCEED 25% OF THE MEMBER DEPTH AND SHALL NOT BE CLOSER THAN 50 (2") TO ANY EDGE OF THE MEMBER. SPACE ADJACENT HOLES NO CLOSER THAN 4x THE LARGER HOLE DIAMETER.

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**PROJECT INFO  
AND NOTES**

Project number 5436

**A001**

Scale 1/4" = 1'-0"

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**SCHEDULE OF ASSEMBLIES**

**FLOOR TYPES**

**FLOOR TYPE FL1**

4" CONC. SLAB ON GRADE COMPACTED GRANULAR BASE PER GEOTECHNICAL REPORT WITH FULL COVERAGE OF 6"x6" W4.0XW4.0 WELDED WIRE MESH C/W MIN 1'-0" OVERLAP OF SHEETS OR APPROVED EQUAL. SET AT MID HEIGHT OF SLAB.

**ROOF TYPES**

**ROOF TYPE R1**

- STANDING SEAM METAL ROOF  
 - WATER BARRIER  
 - 1/2" SHEATHING  
 - 2x6 STRAPPING  
 - CLT 5-PLY (TOTAL THICKNESS OF 175mm) GRADE E1 INSTALLED IN MAJOR STRENGTH DIRECTION

**BEAM & COLUMN SCHEDULE:**

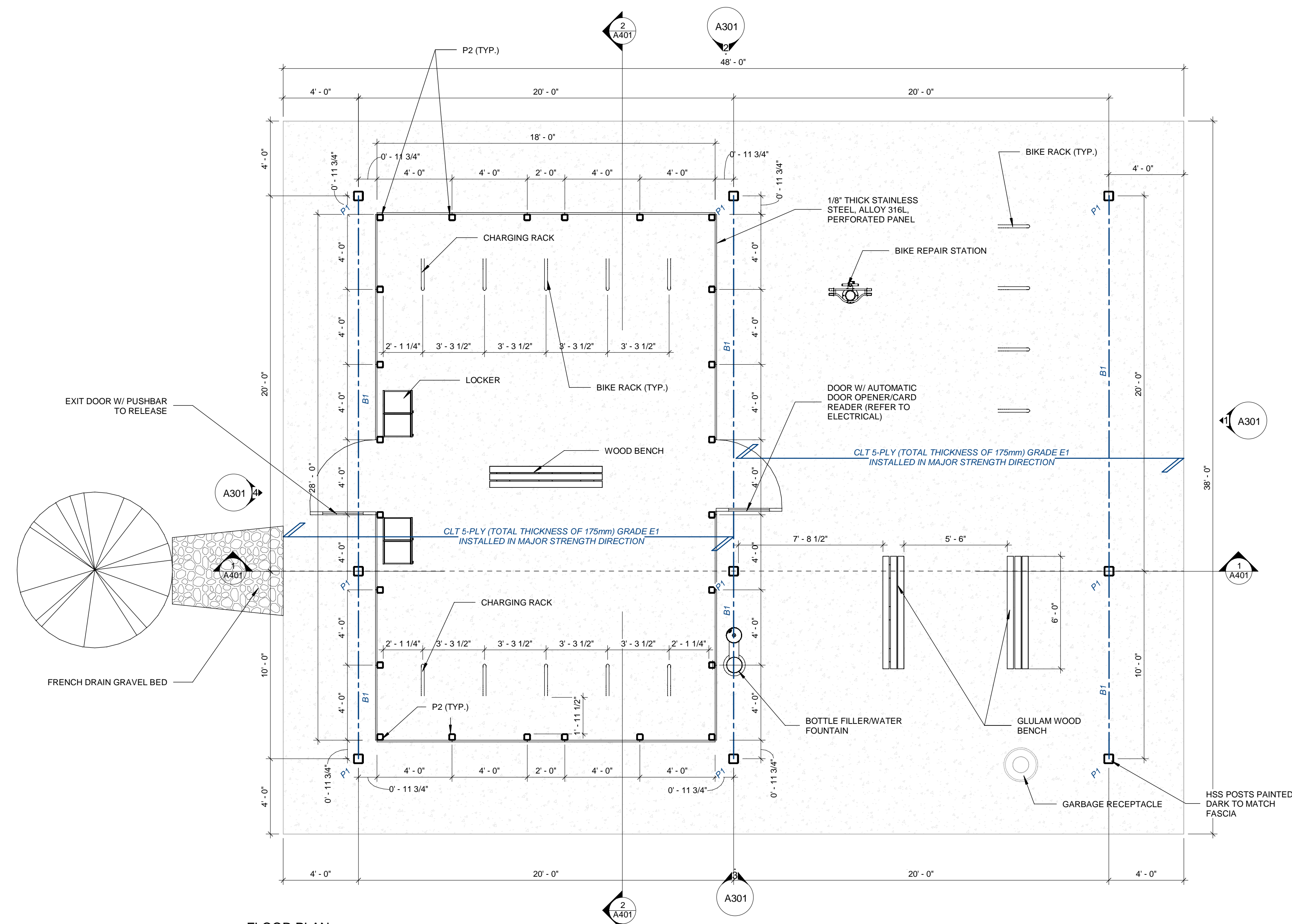
B1 = 175mm X 494mm SPRUCE PINE 20F-E STRESS GRADE BEAM (GLULAM)

P1 = HSS 6X6X1/4" POST, PAINTED

P2 = GALVANIZED HSS 4X4X3/16"

**SPECIAL EQUIPMENT LIST:**

EQUIPMENT	NAME (MODEL)	SIZE	QUANTITY
BIKE RACK	DERO SWERVE RACK (SW-FT-EPX)	AS PER MANUFACTURER	12 (8 INDOOR/ 4 OUTDOOR)
ELECTRIC BIKE STATION	eServe CHARGING RACK/ eBike RACKS (ESW-FT-EPX)	AS PER MANUFACTURER	2
WATER FOUNTAIN/BOTTLE FILLER	OUTDOOR e2H2O UPPER BOTTLE FILLING STATION BIKELEVEL PEDESTAL NON-FILTERED NON-REFRIGERATED (LK4420BFTU)	AS PER MANUFACTURER	1
BIKE REPAIR STATION	Fixit WITH AIR KIT PRIME PUBLIC BIKE REPAIR STATION (FIXIT-AP-EPX)	AS PER MANUFACTURER	1
GARBAGE RECEPTACLE	BARCO PRODUCTS CANADA - ROUND SLAT DESIGN RECEPTACLE - WOOD GRAIN NATURALS	AS PER MANUFACTURER	1
LOCKERS	STANDARD DUTY STEEL LOCKERS, 4 HIGH, COMPLETE WITH BASE (GLOBAL INDUSTRIES OR SIMILAR)	AS PER MANUFACTURER	16 (4 LOCKER COLUMNS)



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

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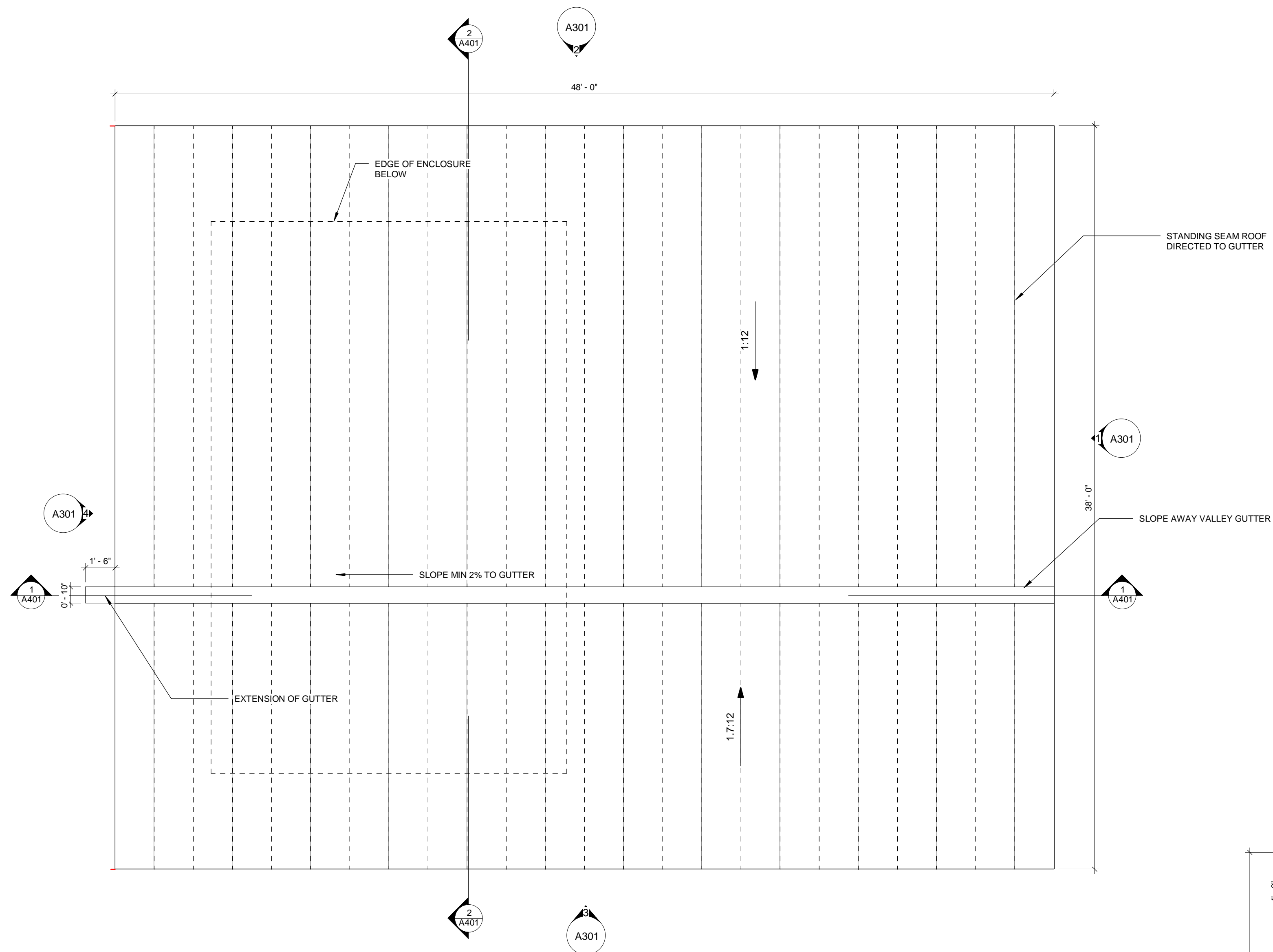
FLOOR PLANS

Project number 5436

A201

Scale As indicated

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

**SCHEDULE OF ASSEMBLIES**

**FLOOR TYPES**

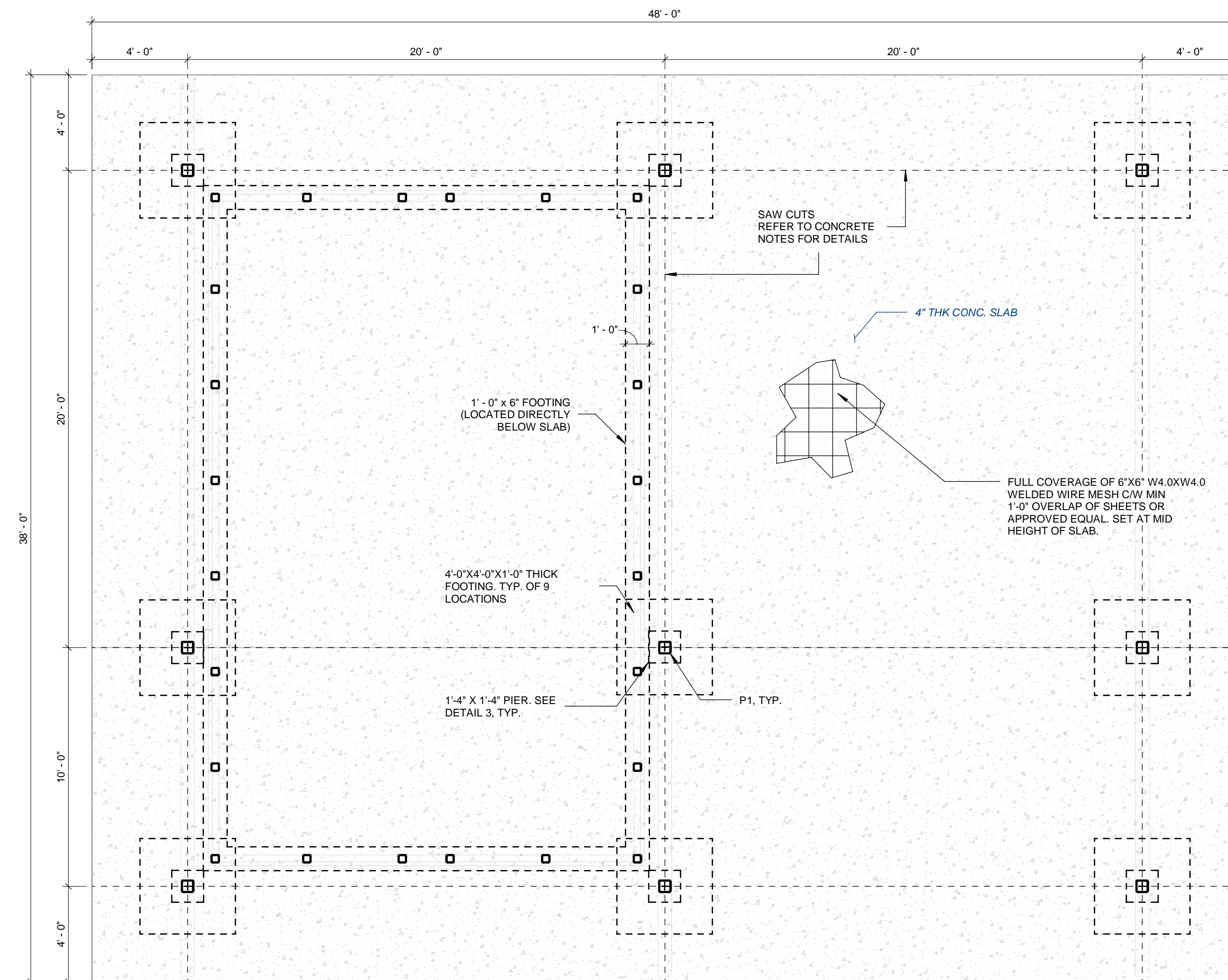
**FLOOR TYPE FL1**

4" CONC. SLAB ON GRADE COMPACTED GRANULAR BASE PER GEOTECHNICAL REPORT WITH FULL COVERAGE OF 6"x6" W4.0XW4.0 WELDED WIRE MESH C/W MIN 1'-0" OVERLAP OF SHEETS OR APPROVED EQUAL SET AT MID HEIGHT OF SLAB.

**ROOF TYPES**

**ROOF TYPE R1**

- STANDING SEAM METAL ROOF  
- WATER BARRIER  
- 1/2" SHEATHING  
- 2x6 STRAPPING  
- CLT 5-PLY (TOTAL THICKNESS OF 175mm) GRADE E1 INSTALLED IN MAJOR STRENGTH DIRECTION



2 FOUNDATION PLAN  
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**ROOF PLAN AND  
FOUNDATION  
PLAN**

Project number 5436

**A202**

Scale As indicated

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**BEAM & COLUMN SCHEDULE:**

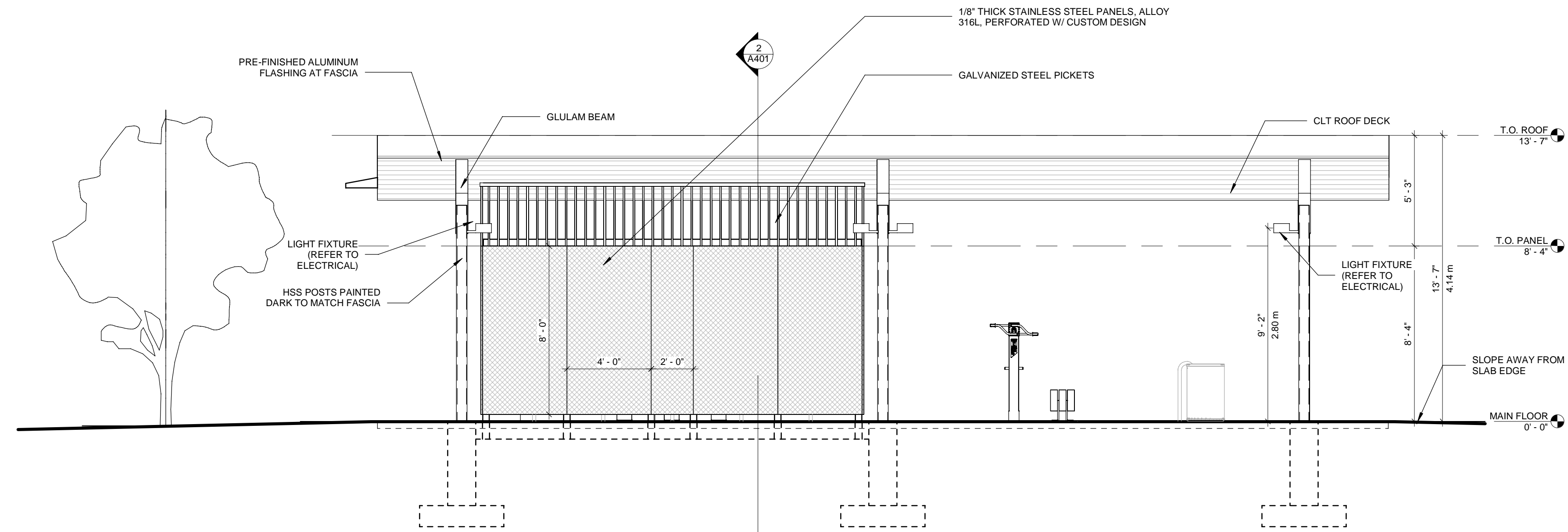
B1 = 175mm X 494mm SPRUCE PINE 20#-E STRESS GRADE BEAM (GLULAM)

P1 = HSS 6X6X1/4" POST, PAINTED

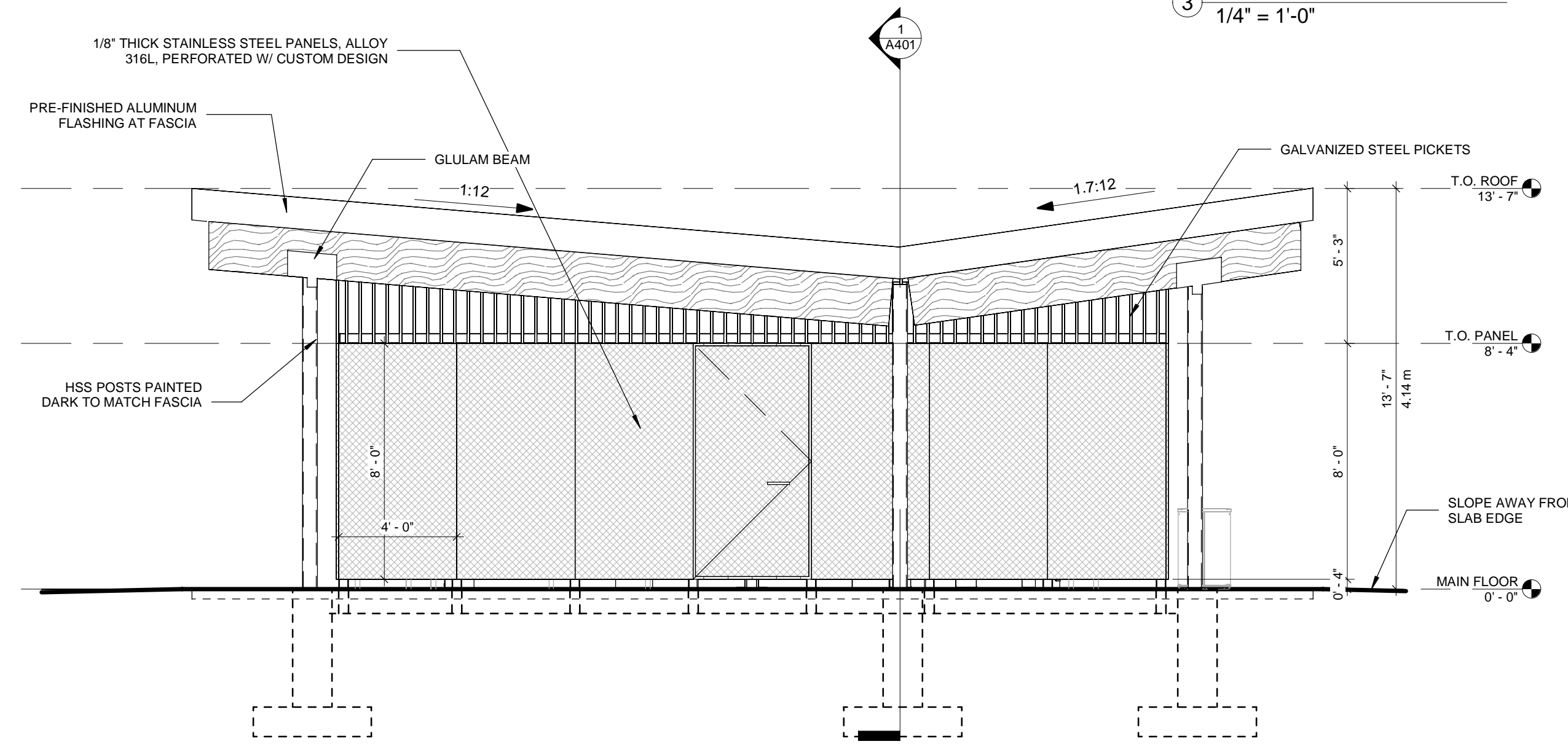
P2 = GALVANIZED HSS 4X4X3/16"

**SPECIAL EQUIPMENT LIST:**

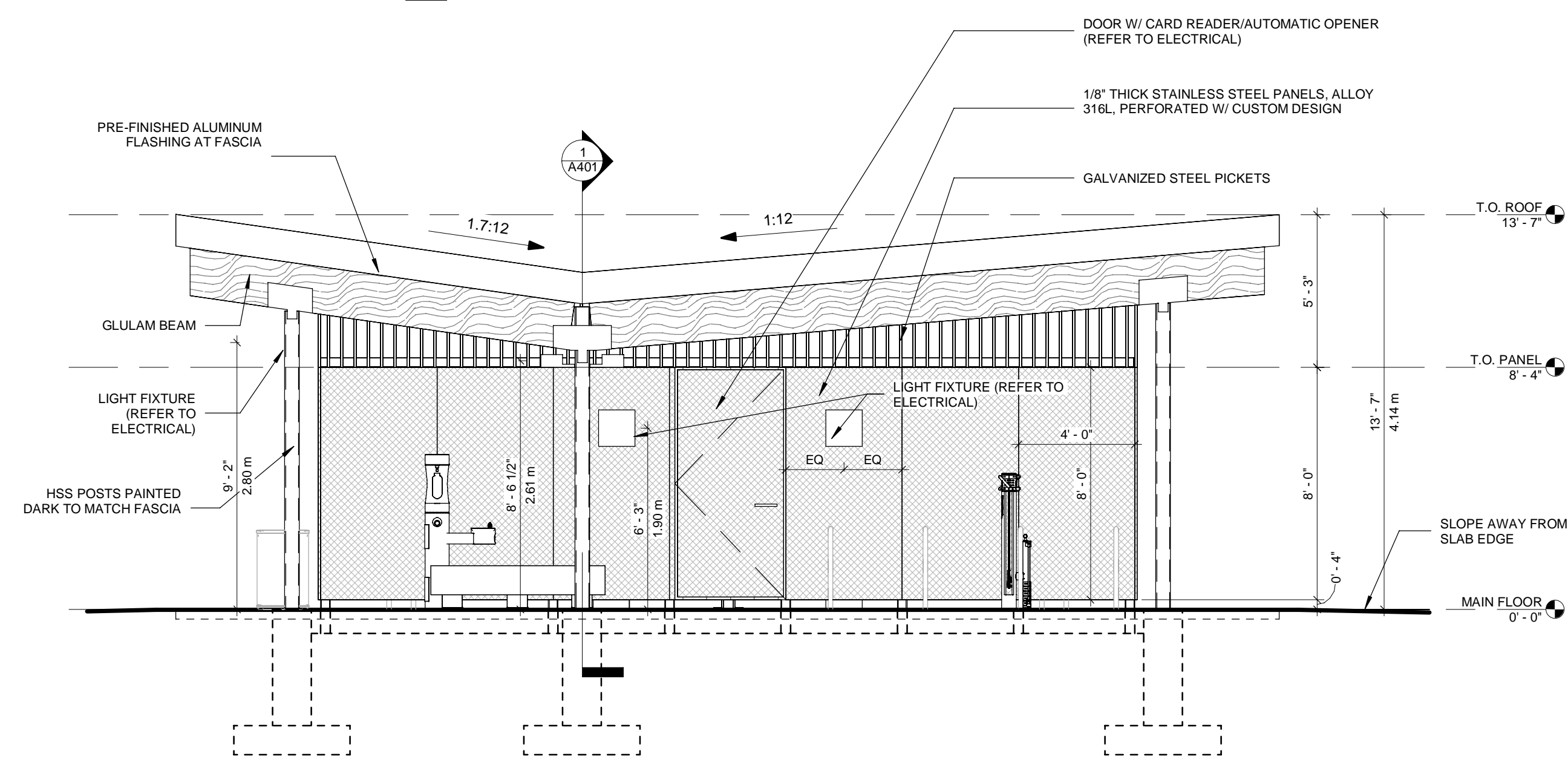
EQUIPMENT	NAME (MODEL)	SIZE	QUANTITY
BIKE RACK	DERO SWERVE RACK (SW-FT-EPX)	AS PER MANUFACTURER	12 (8 INDOOR/ 4 OUTDOOR)
ELECTRIC BIKE STATION	eSwerve CHARGING RACK/ eBike RACKS (ESW-FT-EPX)	AS PER MANUFACTURER	2
WATER FOUNTAIN/BOTTLE FILLER	OUTDOOR e3HO UPPER BOTTLE FILLING STATION BI-LEVEL PEDESTAL NON-FILTERED NON-REFRIGERATED (LK4420BF1U)	AS PER MANUFACTURER	1
BIKE REPAIR STATION	FixIt WITH AIR KIT PRIME PUBLIC BIKE REPAIR STATION ( FIXIT-AP-EPX)	AS PER MANUFACTURER	1
GARBAGE RECEPTACLE	BARCO PRODUCTS CANADA - ROUND SLAT DESIGN RECEPTACLE - WOOD GRAIN NATURALS	AS PER MANUFACTURER	1
LOCKERS	STANDARD DUTY STEEL LOCKERS, 4 HIGH, COMPLETE WITH BASE (GLOBAL INDUSTRIES OR SIMILAR)	AS PER MANUFACTURER	16 (4 LOCKER COLUMNS)



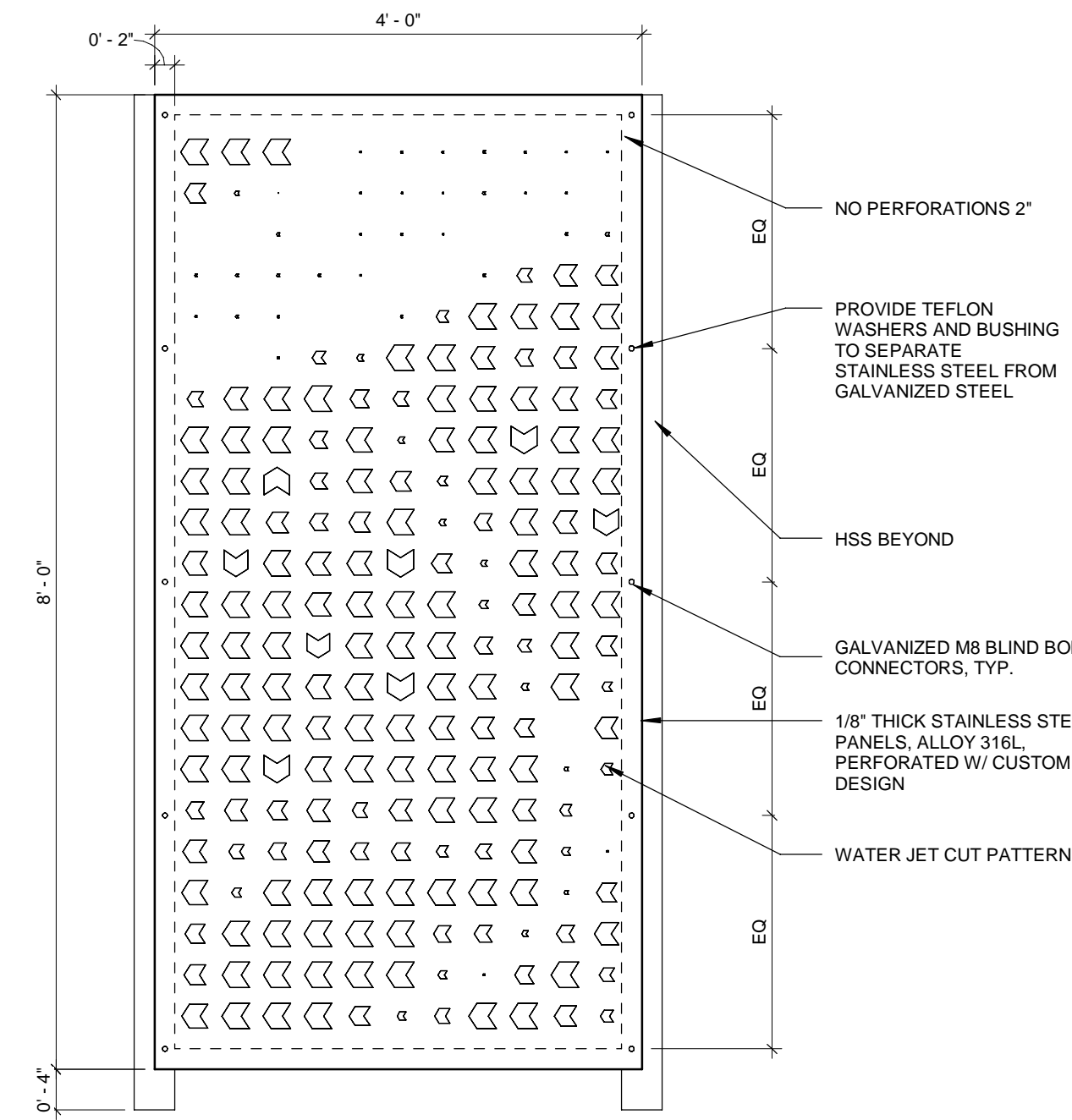
**3 SOUTH ELEVATION**  
1/4" = 1'-0"



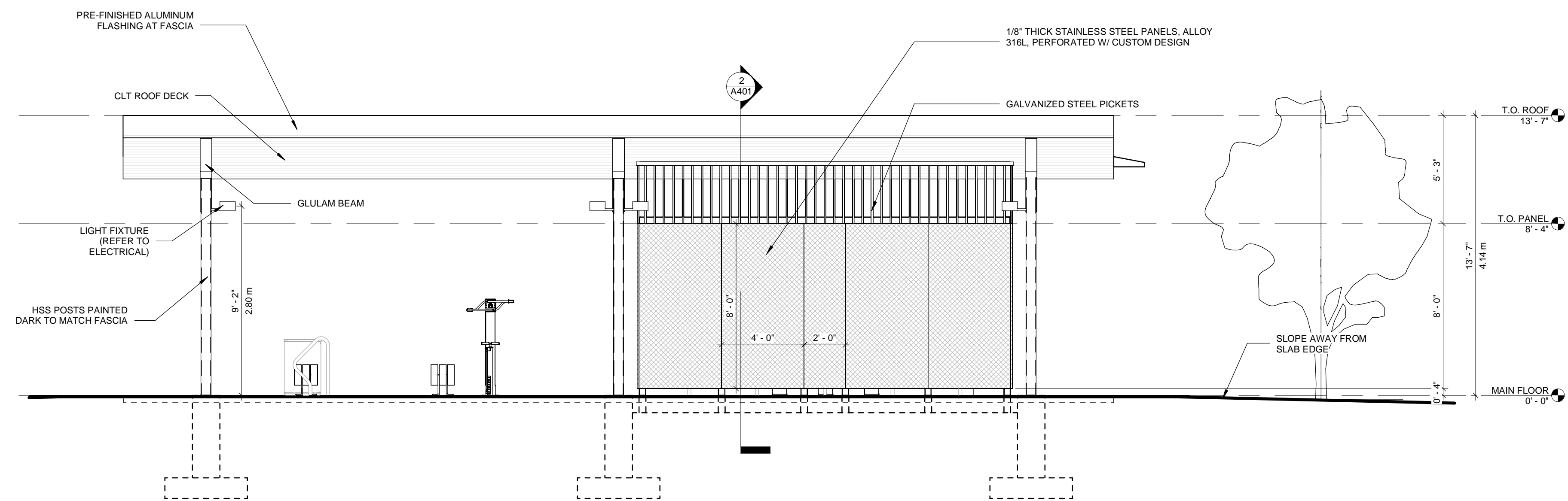
**4 WEST ELEVATION**  
1/4" = 1'-0"



**1 EAST ELEVATION**  
1/4" = 1'-0"



**5 SCREEN DETAIL**  
3/4" = 1'-0"



**2 NORTH ELEVATION**  
1/4" = 1'-0"

**GENERAL NOTES**

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FOR COSTING PURPOSES  
NOT FOR CONSTRUCTION

No.	Description	Date
1	ISSUED FOR 90% CLIENT REVIEW	2026-03-12
2	ISSUED FOR CLASS B COSTING	2026-03-20



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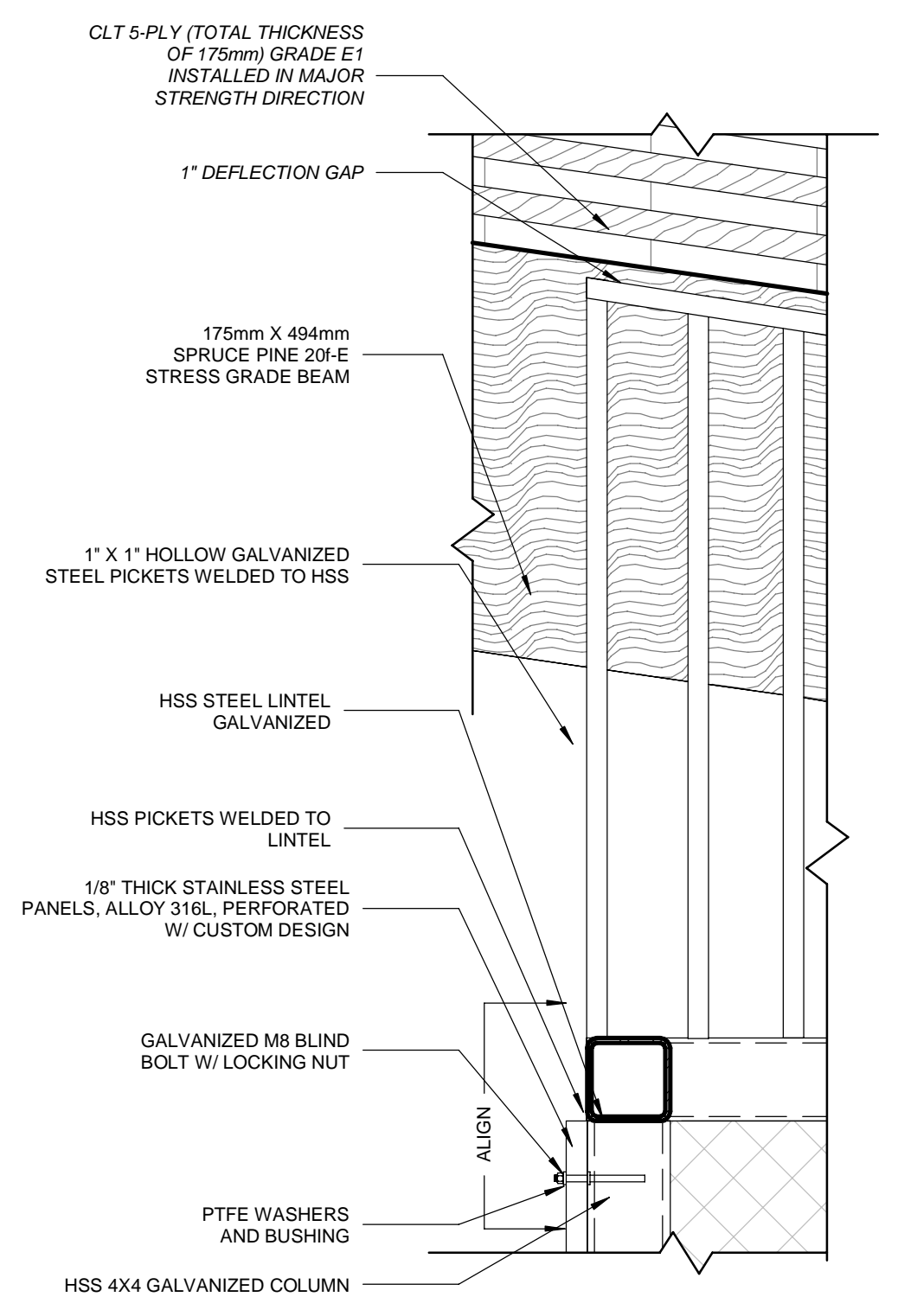
**ELEVATIONS**

Project number 5436

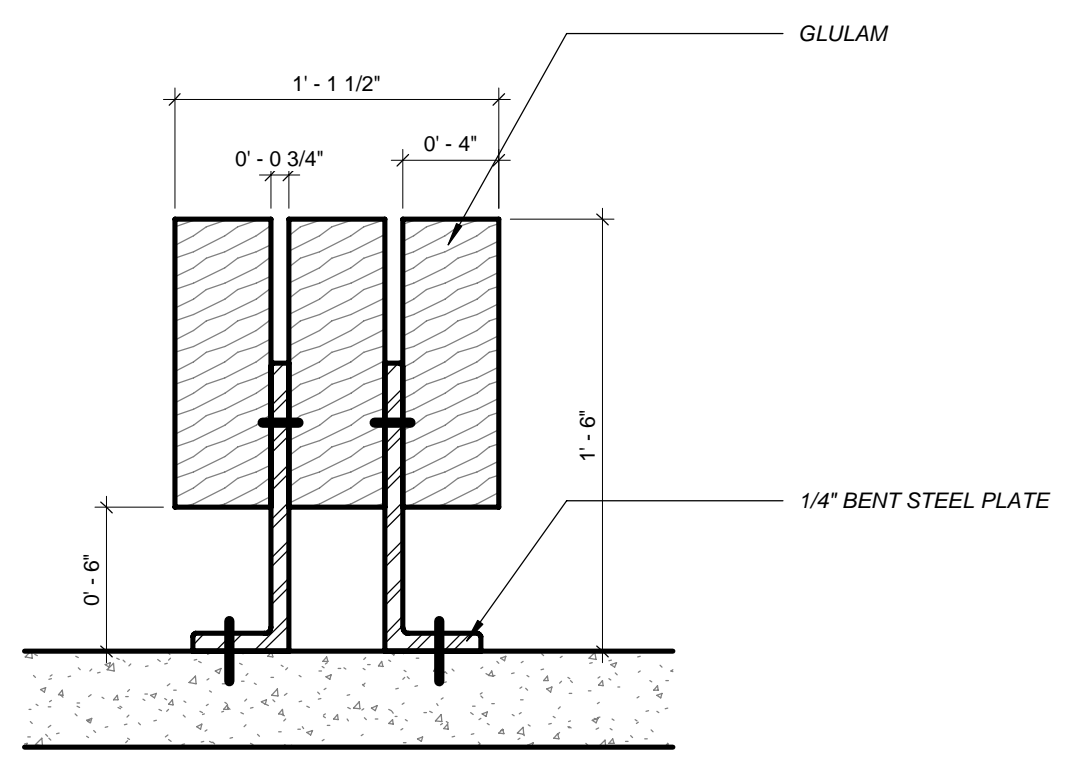
**A301**

Scale As indicated

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3 TOP PANEL WITH PICKET SECTION DETAIL  
1 1/2" = 1'-0"



8 GLULAM BENCH SECTION DETAIL  
1 1/2" = 1'-0"

**SCHEDULE OF ASSEMBLIES**

**FLOOR TYPES**

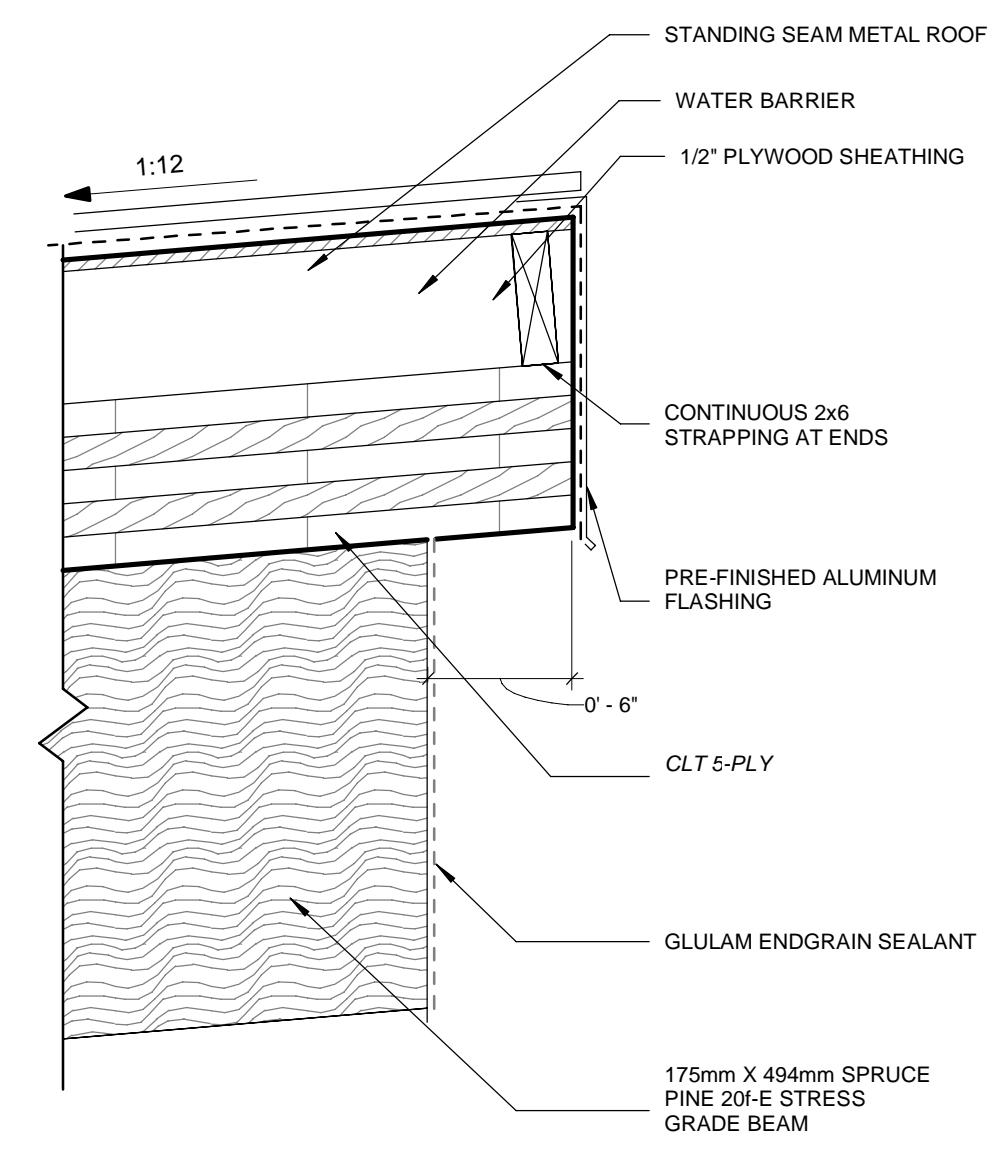
**FLOOR TYPE FL1**

4" CONC. SLAB ON GRADE COMPACTED GRANULAR BASE PER GEOTECHNICAL REPORT WITH FULL COVERAGE OF 6"x6" W4.0XW4.0 WELDED WIRE MESH C/W MIN 1'-0" OVERLAP OF SHEETS OR APPROVED EQUAL. SET AT MID HEIGHT OF SLAB.

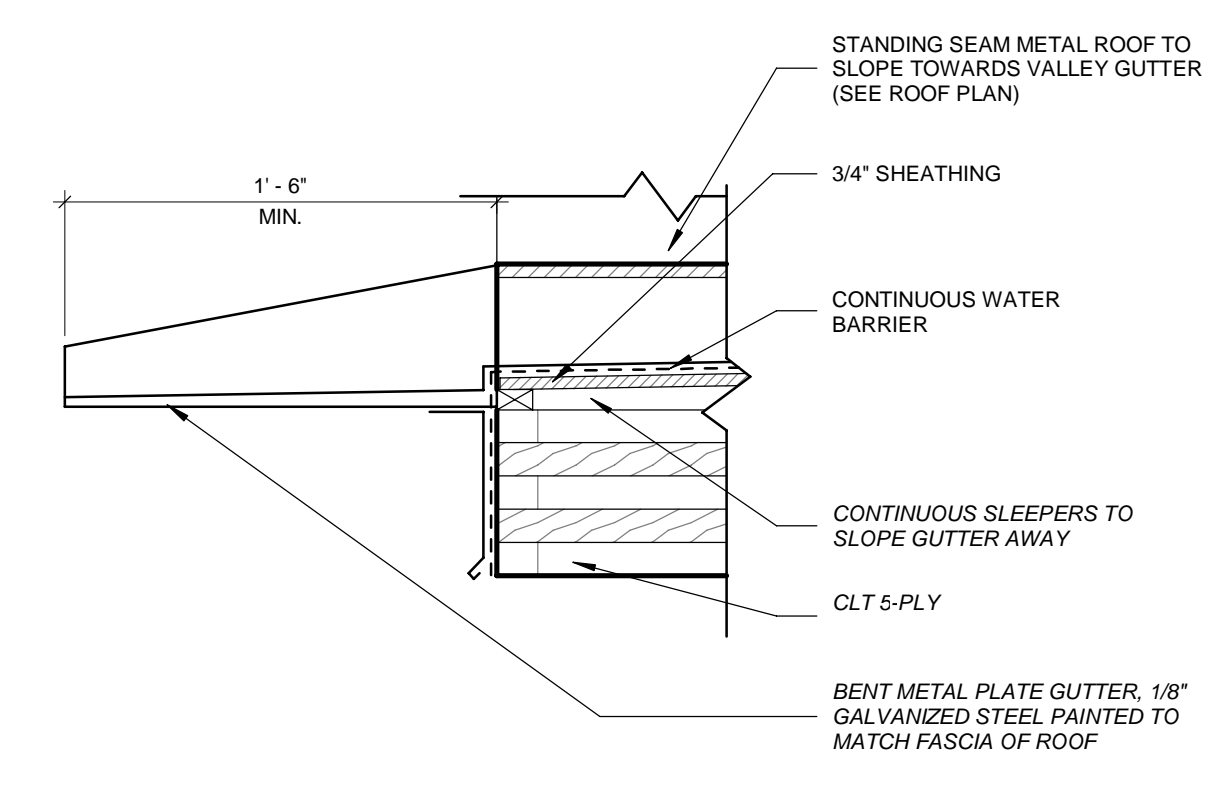
**ROOF TYPES**

**ROOF TYPE R1**

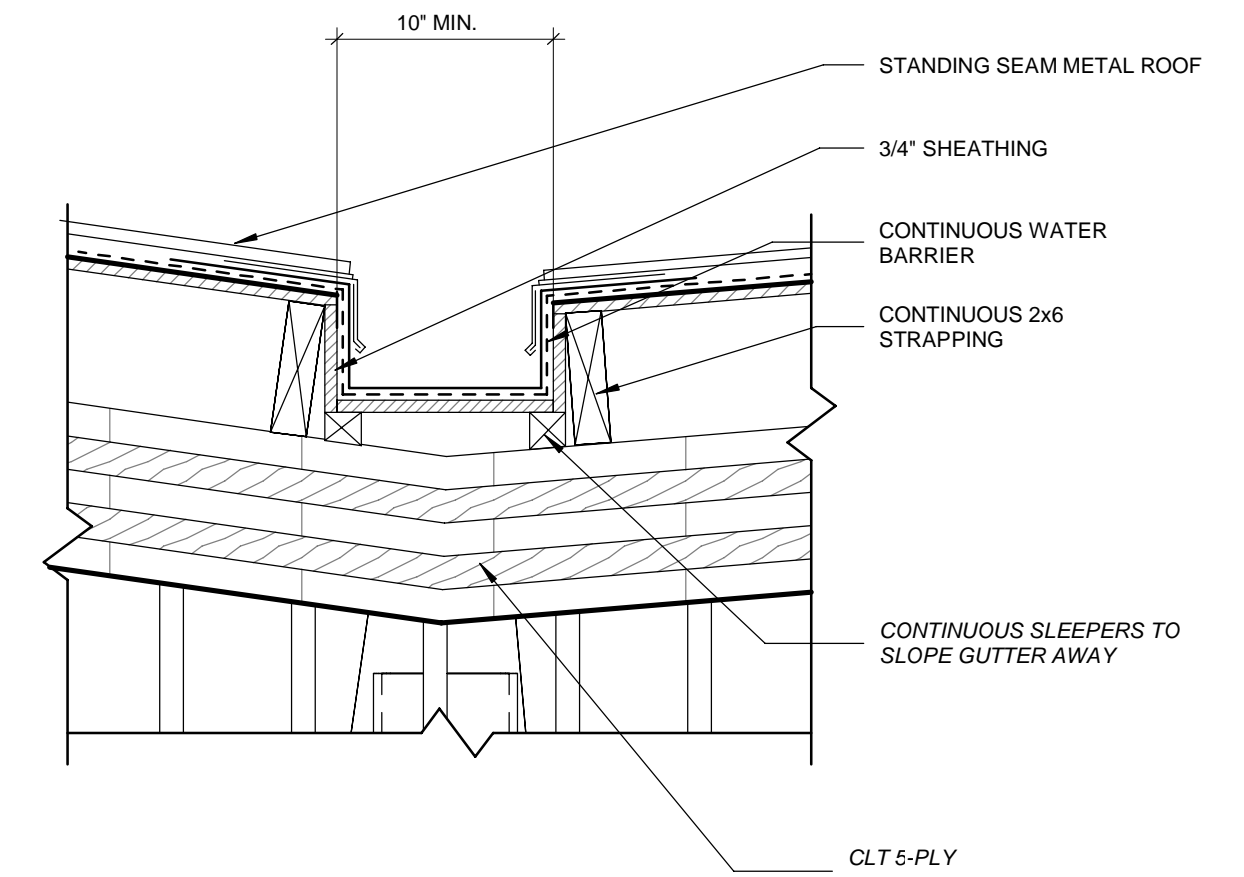
- STANDING SEAM METAL ROOF
- WATER BARRIER
- 1/2" PLYWOOD SHEATHING
- 2x6 STRAPPING
- CLT 5-PLY (TOTAL THICKNESS OF 175mm) GRADE E1 INSTALLED IN MAJOR STRENGTH DIRECTION



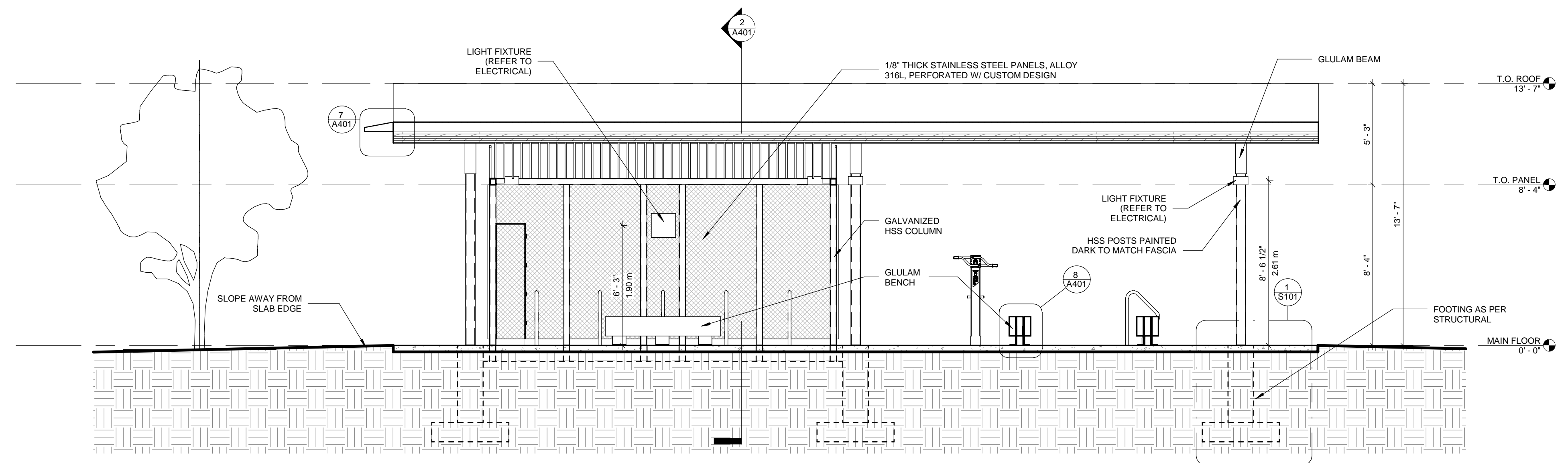
6 ROOF EDGE SECTION DETAIL  
1 1/2" = 1'-0"



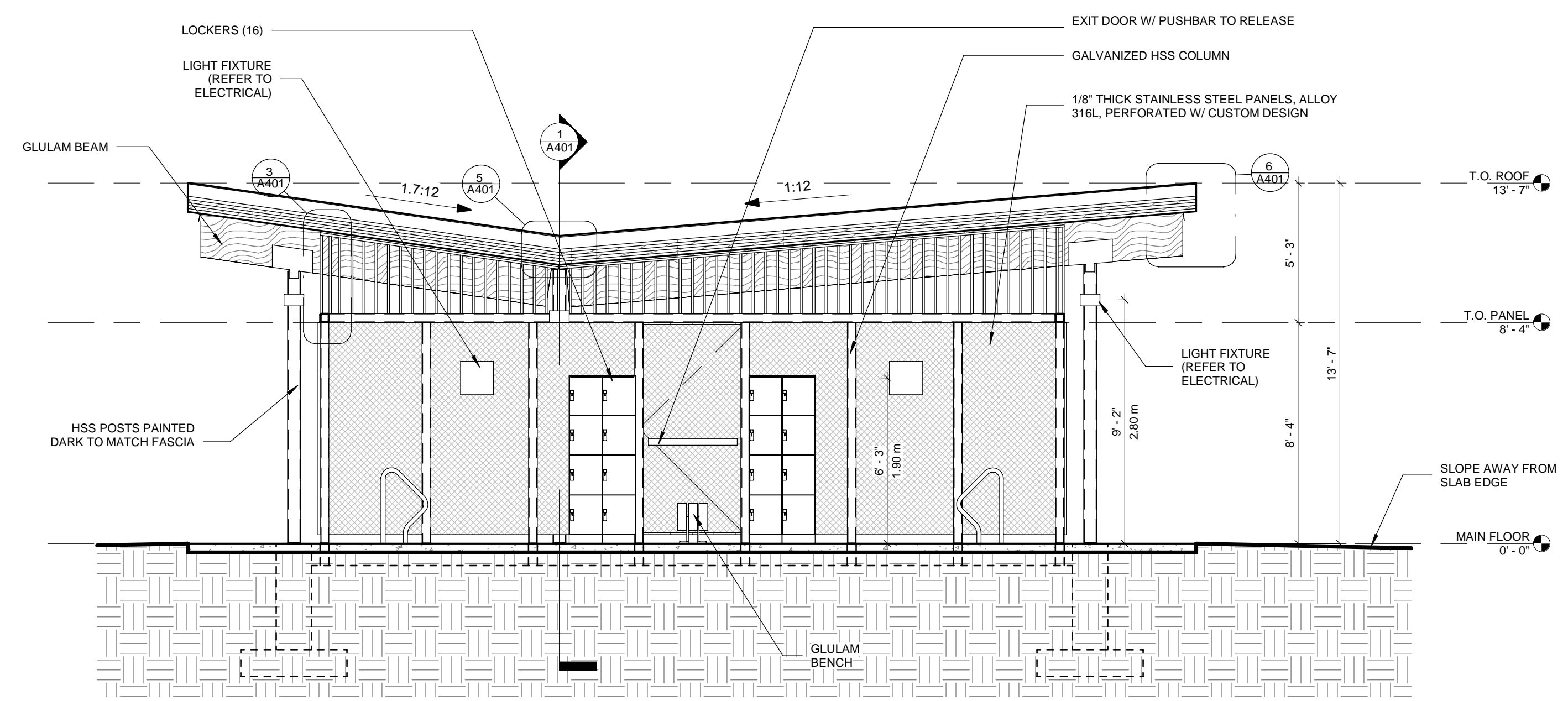
7 GUTTER EXTENSION DETAIL  
1 1/2" = 1'-0"



5 VALLEY GUTTER SECTION DETAIL  
1 1/2" = 1'-0"



1 BUILDING SECTION 2  
1/4" = 1'-0"



2 BUILDING SECTION 1  
1/4" = 1'-0"

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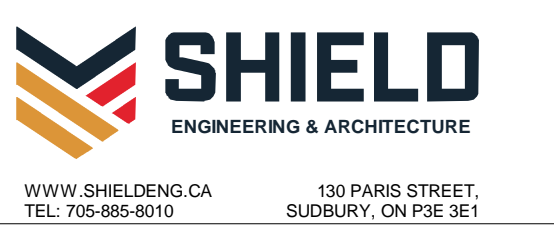
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**BUILDING SECTIONS AND DETAILS**

Project number 5436

**A401**

Scale As indicated

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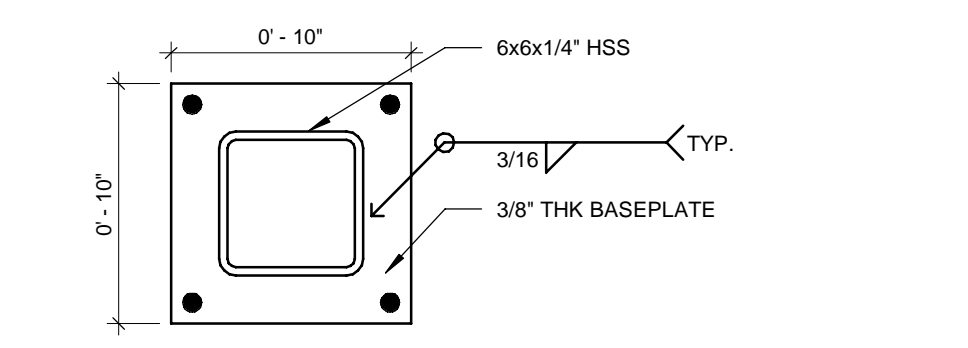
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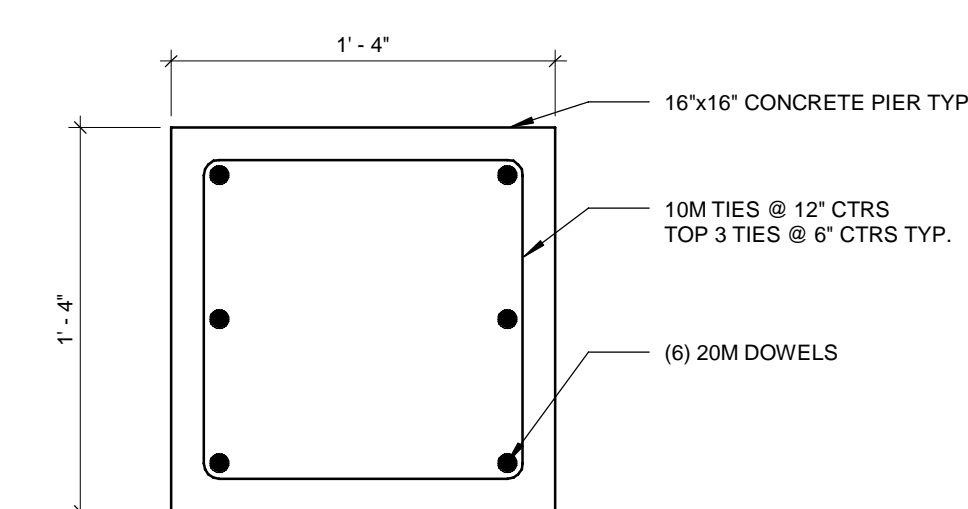
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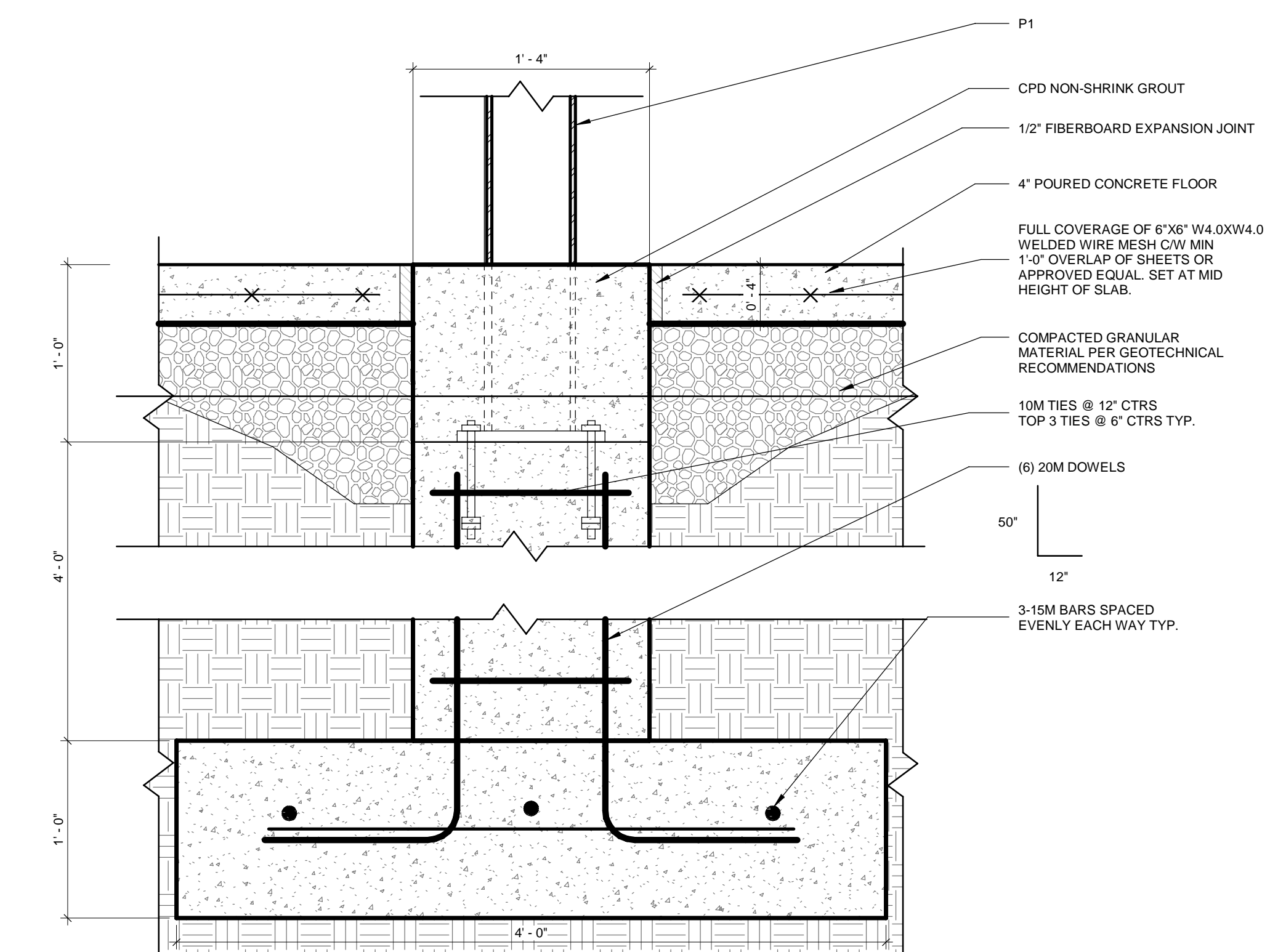
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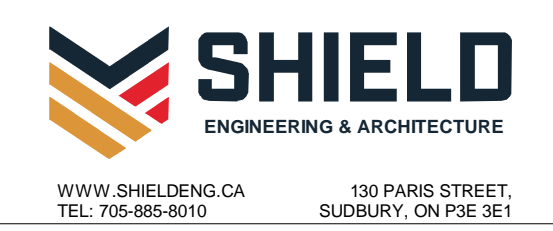
② BASE PLATE DETAIL  
1 1/2" = 1'-0"



③ CONCRETE PIER - PLAN VIEW  
1 1/2" = 1'-0"



① PIER AND FOOTING DETAIL  
1 1/2" = 1'-0"



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**STRUCTURAL  
DETAILS**

Project number 5436

**S101**

Scale 1 1/2" = 1'-0"

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