

CONSTRUCTION NOTES

DOOR / FRAME:

- HOT DIPPED GALVANIZED STEEL SHEET: TO ASTM A 653M, ZF75, MINIMUM BASE STEEL THICKNESS IN ACCORDANCE WITH CSDMA TABLE 1 – THICKNESS FOR COMPONENT PARTS.
- DOOR: 914 W X 2032 H X 45mm THICK. INSULATED METAL DOOR, PRIME AND PAINT. COMMERCIAL TYPE, 18 GAUGE SKINS. TOP AND BOTTOM STEEL CAPS. RUBBER DOOR SILENCERS. HONEY COMB CORE WITH POLYSTYRENE INSULATION. FOLLOW THE CANADIAN STEEL DOOR MANUFACTURERS' ASSOCIATION (CSDMA).
  - .1 CSDMA, RECOMMENDED SPECIFICATIONS FOR COMMERCIAL STEEL DOORS AND FRAMES, [2000].
  - .2 CSDMA, SELECTION AND USAGE GUIDE FOR COMMERCIAL STEEL DOORS, [1990].
- FRAME: PRESSED STEEL FRAME, ALL WELDED JOINTS. GRIND ALL WELDS TO A FLAT PLANE, FILL ALL GAPS WITH METALLIC FILLERS, SAND TO A UNIFORM SMOOTH FINISH. PRIME AND PAINT C/W WOOD ANCHORS. WELD IN ACCORDANCE WITH CSA W59. PREPARE DOOR FOR HARDWARE. INSULATE THE FRAME C/W PLUGS AT JAMBS AND HEAD.

HARDWARE:

HINGES: "STANLEY" IHTCB1995R STAINLESS STEEL, HEAVY WEIGHT , FULL MORTISE QUANTITY 4.

WEATHER STRIPPING: "K.N.CROWDER" WS-20, HEAD AND JAMBS. (OR EQUAL)

DOOR SWEEP: "HAGER" 801S (OR EQUAL)

DOOR CLOSER: "STCOANLEY" D4550 SERIES, HEAVY DUTY ARM SET WITH STOP AND OFFSET PLATE TO ALLOW CLEARANCE UNDER THE WEATHER STRIPPING.

TRESHOLD: "K.N.CROWDER" CT-29, (OR EQUAL)

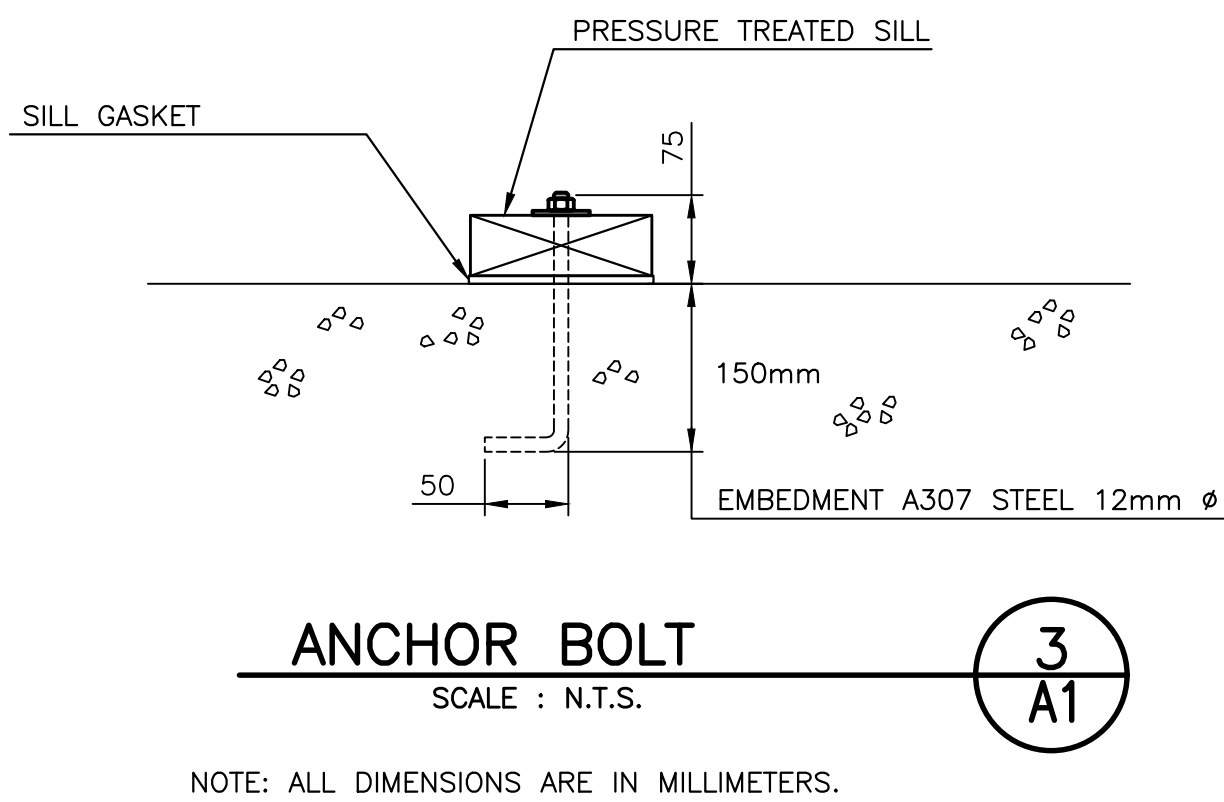
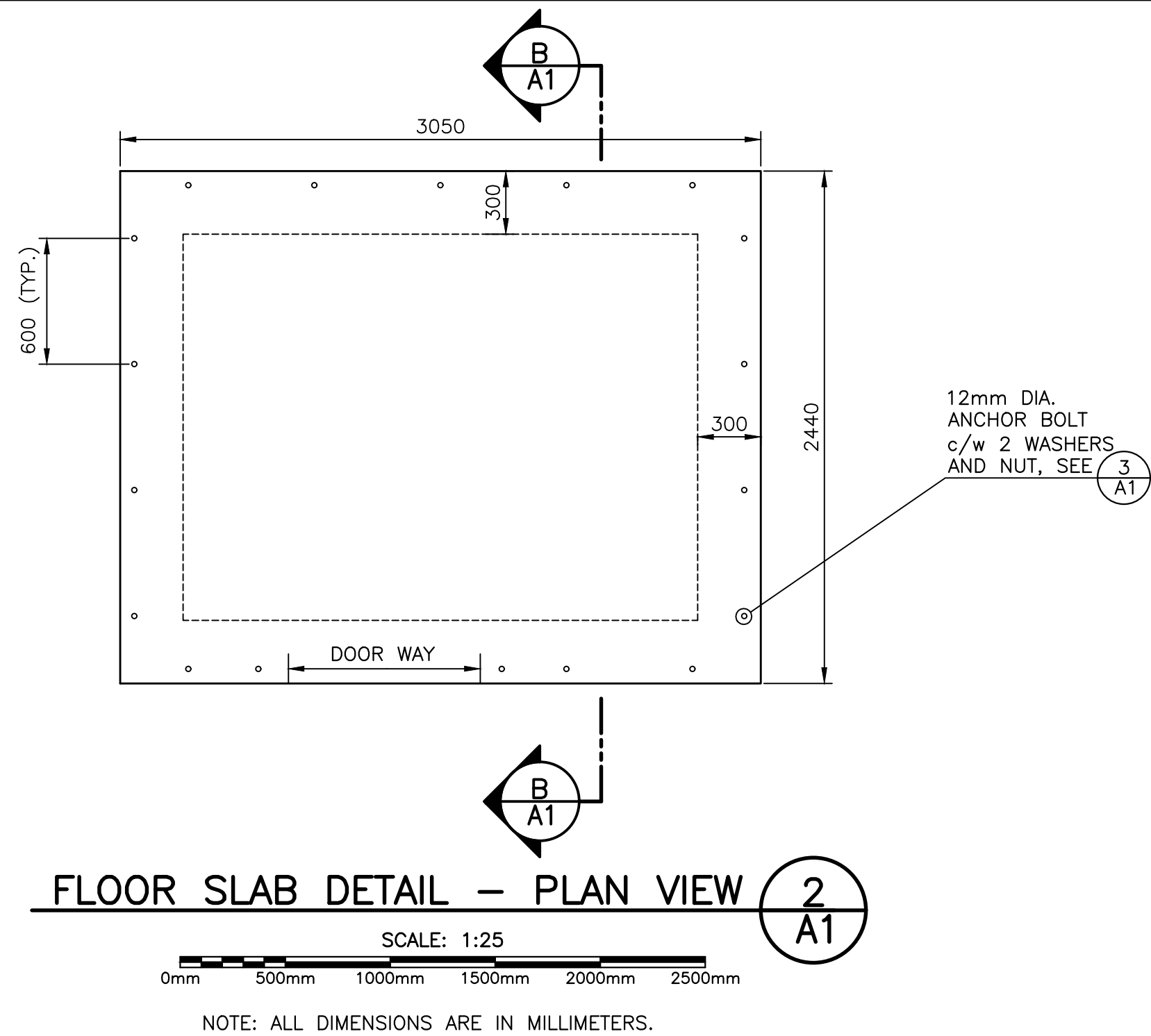
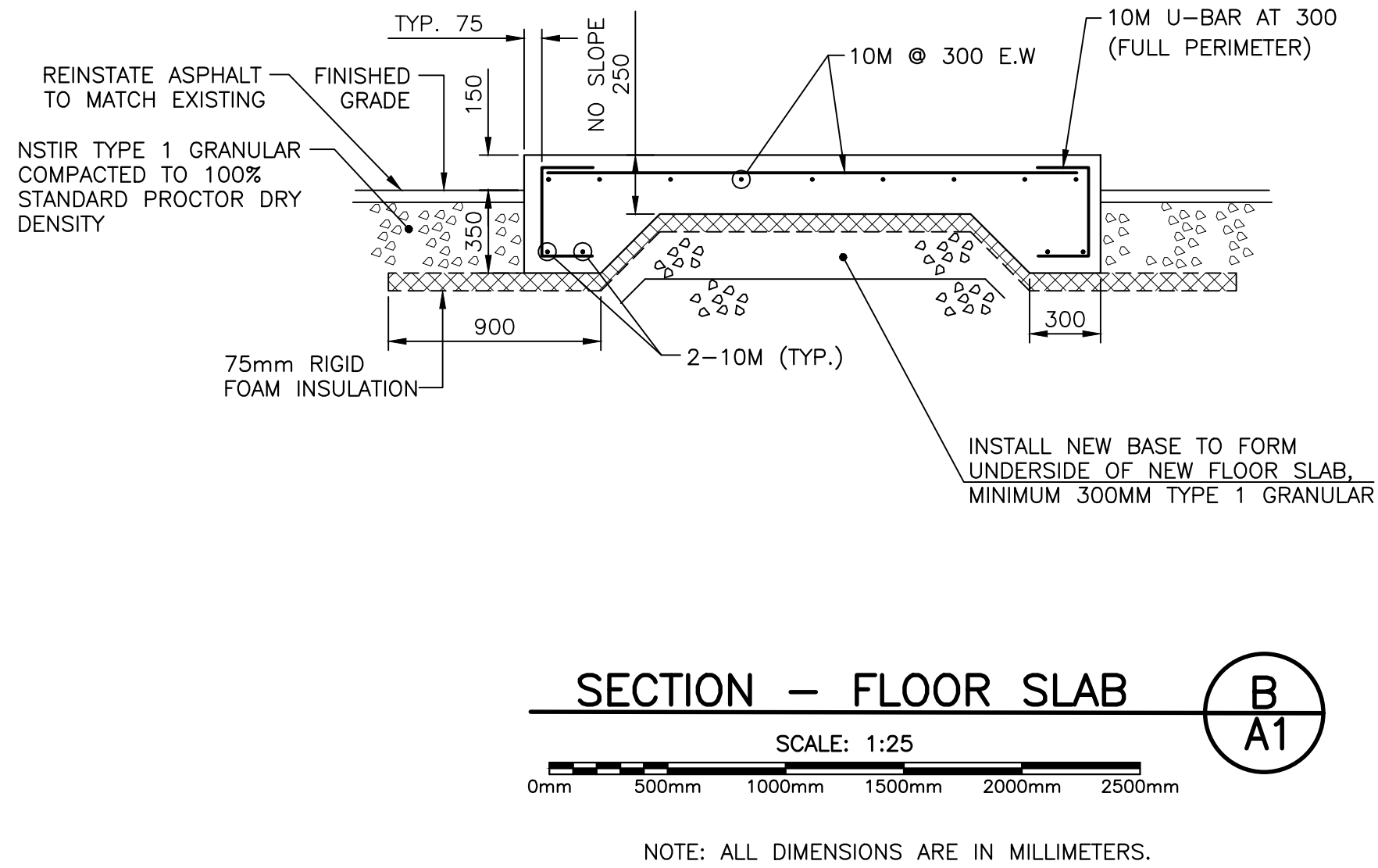
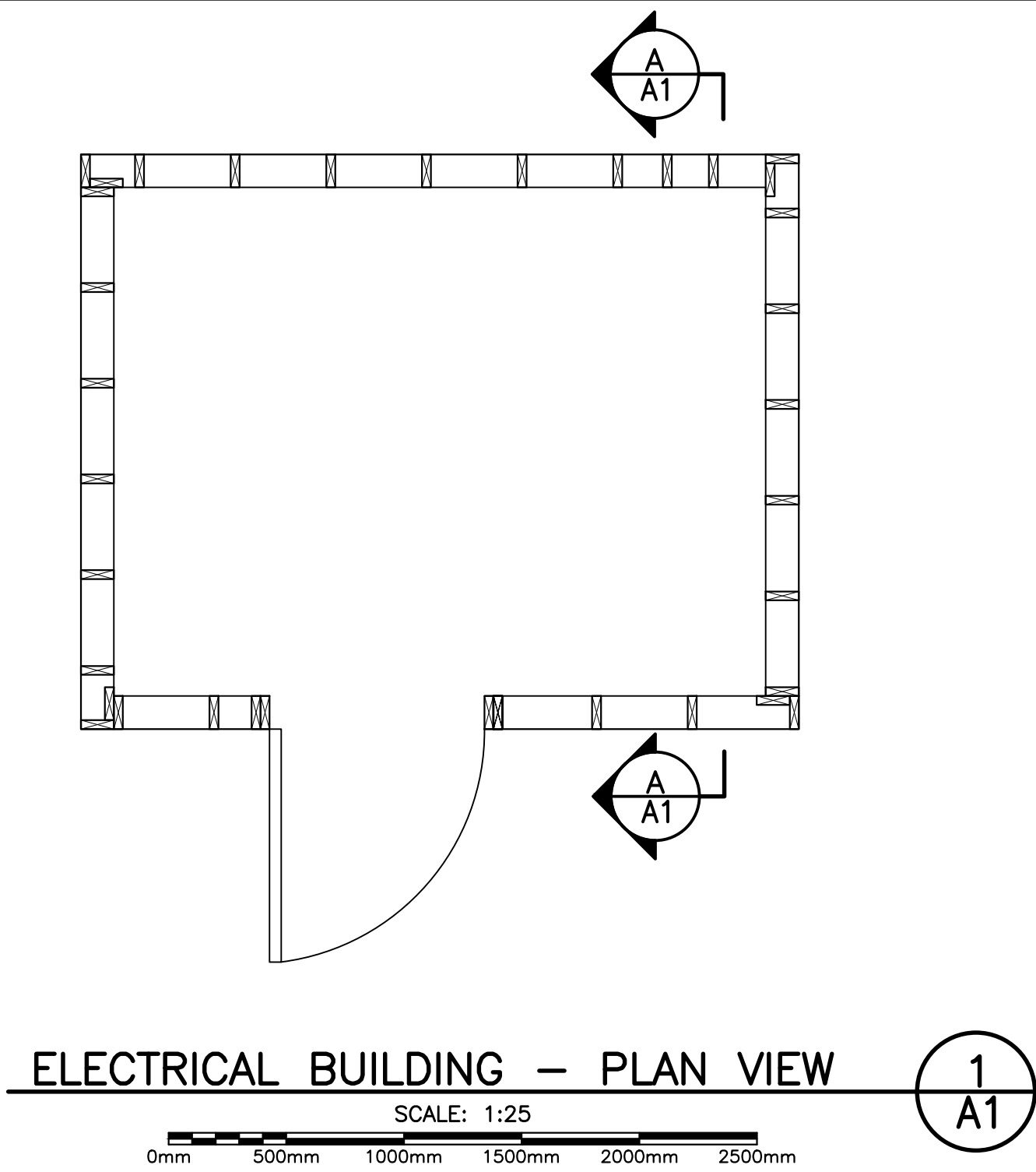
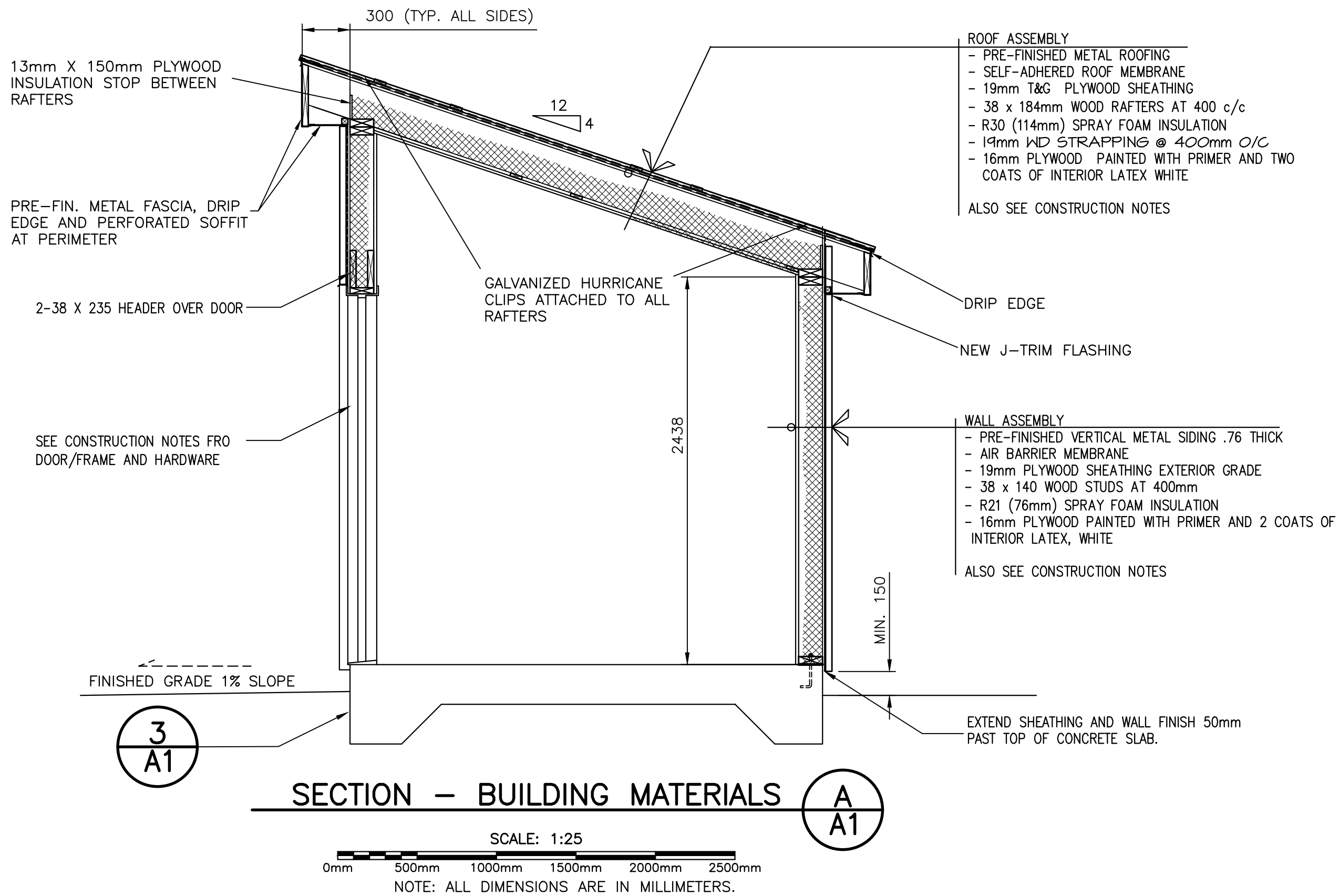
LOCKSET: "BEST" 9K SERIES, HEAVY DUTY CYLINDRICAL LOCK, SATIN NICKEL FINISH, CLASSROOM FUNCTION, LEVER TRIM WITH ROSE. KEY AS PER CLIENTS REQUEST. (OR EQUAL)

SHOP DRAWINGS:

SUBMIT SHOP DRAWINGS FOR REVIEW ON ALL PRODUCTS.

ARCHITECTURAL NOTES:

- STEEL ROOFING: BY VIC WEST "ELITE", 28 GAUGE STEEL, 406 mm WIDE CONTINUOUS PANELS FROM TOP TO BOTTOM OF SLOPE. COLOR "CURRANT". INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS. ALL FLASHING, TRIMS AND ACCESSORIES TO BE FROM SAME MANUFACTURER AND COLOR TO MATCH SIDING.
- STEEL SIDING: BY VIC WEST "ADR300" WITH RIB AND CONCEALED FASTENERS. COLOR "DEEP GREY". INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS. ALL FLASHING, TRIMS AND ACCESSORIES TO BE FROM SAME MANUFACTURER AND COLOR TO MATCH SIDING.
- SPRAY INSULATION (WALL): MEDIUM DENSITY CLOSED CELL TYPE, APPLY A MINIMUM OF 76mm THICK FOR A MINIMUM OF R21 VALUE.
- SPRAY INSULATION (ROOF): MEDIUM DENSITY CLOSED CELL TYPE, APPLY A MINIMUM OF 114mm THICK FOR A MINIMUM OF R30 VALUE. NOTE, INSTALL THE INTERIOR CEILING PLYWOOD FIRST AND SPRAY FOAM AGAINST IT TO ALLOW AIR SPACE BETWEEN THE INSULATION AND THE ROOF SHEETING.
- ALL WORK AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST NATIONAL BUILDING CODE OF CANADA AND ALL OTHER RELATED CODES.



STRUCTURAL NOTES

GENERAL STRUCTURAL NOTES

- EXISTING CONDITIONS SHOWN ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE TO VISIT SITE, CONFIRM EXISTING CONDITIONS, AND REPORT ANY DISCREPANCIES TO THE DEPARTMENTAL REPRESENTATIVE PRIOR TO COMPLETING ANY WORK UNDER THIS PROJECT.
- CONFIRM EXTENT OF REMOVALS AND FINAL LOCATION OF NEW INSTALLATIONS ON SITE WITH DEPARTMENTAL REPRESENTATIVE PRIOR TO START OF WORK.
- COORDINATE WORK WITH ALL OTHER DISCIPLINE DRAWINGS AND SPECIFICATIONS.
- MOUNTING SURFACES FOR EQUIPMENT ARE TO BE SOUND AND LEVEL. SHOULD LEVELING BE REQUIRED TO ENSURE UNIFORM SUPPORT, DO SO BY METHOD APPROVED BY EQUIPMENT MANUFACTURER AND DEPARTMENTAL REPRESENTATIVE.
- SUBMIT CONCRETE REINFORCING STEEL SHOP DRAWINGS AND CONCRETE MIX DESIGN FOR DEPARTMENTAL REPRESENTATIVE REVIEW PRIOR TO STARTING RELATED WORK OF THIS PROJECT.
- COORDINATE PLACEMENT OF EQUIPMENT ANCHORAGE WITH APPROVED MANUFACTURER SHOP DRAWINGS.
- DO NOT SCALE DRAWINGS, USE ONLY GIVEN DIMENSIONS.

CONCRETE NOTES

- REINFORCED CONCRETE TO BE PROPORTIONED IN ACCORDANCE WITH CSA A23.1 (LATEST EDITION) TO THE FOLLOWING PROPERTIES:
  - 1.1. MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS .....35 MPa
  - 1.2. MAXIMUM WATER TO CEMENT RATIO .....0.40
  - 1.3. PURPOSELY ENTRAINED AIR CONTENT .....6 TO 8%
  - 1.4. MINIMUM CEMENT CONTENT .....390 kg/m³
  - 1.5. CEMENT .....PORTLAND CEMENT TYPE GU
  - 1.6. SLUMP AT POINT OF DISCHARGE .....80 ± 20 mm
  - 1.7. MAXIMUM AGGREGATE SIZE .....20 mm
  - 1.8. AGGREGATES .....NON ALKALI REACTIVE
- REINFORCING STEEL TO COMPLY WITH CSA G30.12-M (LATEST EDITION) GRADE 400.
- DETAIL REINFORCING STEEL IN ACCORDANCE WITH THE REINFORCING STEEL MANUAL OF STANDARD PRACTICE BY REINFORCING STEEL INSTITUTE OF CANADA.
- PROVIDE CLEAR COVER TO REINFORCING STEEL AS FOLLOWS:
  - 4.1. TOP AND SIDES ..... 50 mm
  - 4.2. SURFACES CAST AGAINST SOIL ..... 75 mm
- ALL INTERIOR AND EXTERIOR EXPOSED CORNERS OF CONCRETE TO HAVE 25 mm CHAMFER.
- ALL LAP SPLICES TO BE CLASS B TENSION SPLICES.
- PROVIDE SMOOTH TROWEL FINISH TO TOP OF ALL EQUIPMENT SLABS ON GRADE AND BUILDING FOUNDATION SLABS. SURFACE TO BE FLAT TO FACILITATE INSTALLATION OF EQUIPMENT. ENSURE NO WATER POOLS ON SURFACE.
- FORMWORK TO REMAIN IN PLACE FOR MINIMUM 7 DAY UNLESS A CURING COMPOUND WITH A FUGATIVE DYE IS APPLIED.
- SUBMIT PROCEDURES FOR PLACING AND CURING CONCRETE IN COLD OR HOT WEATHER (AS APPROPRIATE) FOR REVIEW BY DEPARTMENT REPRESENTATIVE PRIOR TO PLACING ANY CONCRETE.
- DEPARTMENTAL REPRESENTATIVE TO REVIEW REINFORCING STEEL PLACEMENT PRIOR TO PLACING CONCRETE. GIVE DEPARTMENTAL REPRESENTATIVE MINIMUM 48 HOURS NOTICE PRIOR TO ANY PLANNED CONCRETE PLACEMENT.

ADHESIVE ANCHOR SYSTEM

- ADHESIVE ANCHORS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTION BY INDIVIDUAL TRAINED IN INSTALLATION BY MANUFACTURER'S REPRESENTATIVE.
- ANCHOR RODS TO BE HOT DIPPED GALVANIZED HAS-E B7 HDG BY HILTI, OR APPROVED EQUIVALENT. ANCHOR RODS TO BE COMPLETE WITH MATCHING HARDWARE. EMBED ALL ANCHORS MINIMUM 200 MM AND ENSURE TOTAL ANCHOR LENGTH IS COORDINATED WITH FINAL EQUIPMENT TO ENSURE SUFFICIENT PROJECTED LENGTH FOR ANCHORING. ANCHOR DIAMETER TO BE AS NOTED ON DRAWINGS.
- ALL ANCHORS TO BE HOT DIPPED GALVANIZED AFTER FABRICATION (DO NOT CUT ON SITE).
- ADHESIVE TO BE HIT-RE 500 V3 EPOXY ADHESIVE ANCHORING SYSTEM, OR APPROVED EQUIVALENT.

EARTHWORK NOTES

- RE-GRADE SITE AROUND NEW INSTALLATIONS TO BLEND NEW INSTALLATIONS INTO EXISTING AND ENSURE WATER DRAINS FROM ALL SURFACES.
- REINSTATE SITE DISTURBED DURING CONSTRUCTION TO MATCH SURROUNDING SURFACES TO SATISFACTION OF DEPARTMENTAL REPRESENTATIVE.
- DEPARTMENTAL REPRESENTATIVE TO REVIEW EXCAVATION AND APPROVE SUB BASE PRIOR TO PLACING ANY NEW GRANULAR MATERIALS.
- TYPE 1 GRANULAR TO BE IN ACCORDANCE WITH NOVA SCOTIA TRANSPORTATION AND INFRASTRUCTURE RENEWAL SPECIFICATION.
- COMPACT ALL GRANULAR MATERIALS TO 100% STANDARD PROCTOR DRY DENSITY.
- PLACE EXTRUDED POLYSTYRENE FOAM INSULATION UNDER SLAB AND OUT FROM EDGE OF SLAB A MIN OF 900mm. PLACE INSULATION ON A SLOPE TO PROVIDE POSITIVE DRAINAGE. MINIMUM COMPRESSIVE STRENGTH TO BE 275KPA.

TIMBER AND SHEATHING NOTES

- ALL TIMBER TO BE SPF No.2 OR BETTER.
- INTERIOR PLYWOOD TO BE GOOD-ONE-SIDE, FILLED, SANDED AND PAINTED TO PROVIDE FINISHED INTERIOR WALL SURFACE.
- WALLS TO BE CONSTRUCTED WITH 2-38 x 140 TOP PLATES AND 1-38 x 140 BOTTOM PLATE TO BE PRESSURE TREATED ON SILL GASKET. BOLT WALLS TO FOUNDATION WITH 12mm ANCHOR BOLTS @ 600 c/c (HOT DIPPED GALVANIZED).

0	ISSUED FOR TENDER	DEC.13 2019
revisions		date

project WHARF ELECTRICAL UPGRADES  
SCH ALDER POINT NOVA SCOTIA

drawing design  
ELECTRICAL BUILDING DETAILS - STRUCTURAL

designed K. WOLFE	conçu
date DECEMBER 2019	
drawn K. WOLFE	dessiné
date DECEMBER 2019	
approved	approuvé
date	
Tender	Submission
PWGSC Project Manager	Administrateur de projets TPSGC
project number	no. du projet
R.105816.001	
drawing no.	no. du dessin
A1	