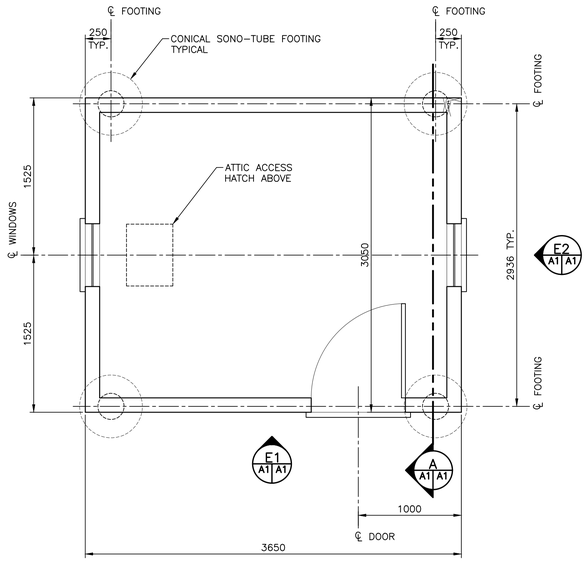

PLAN DETAIL OF ELECTRICAL BUILDING — 1 A1 A1

SCALE : 1:25

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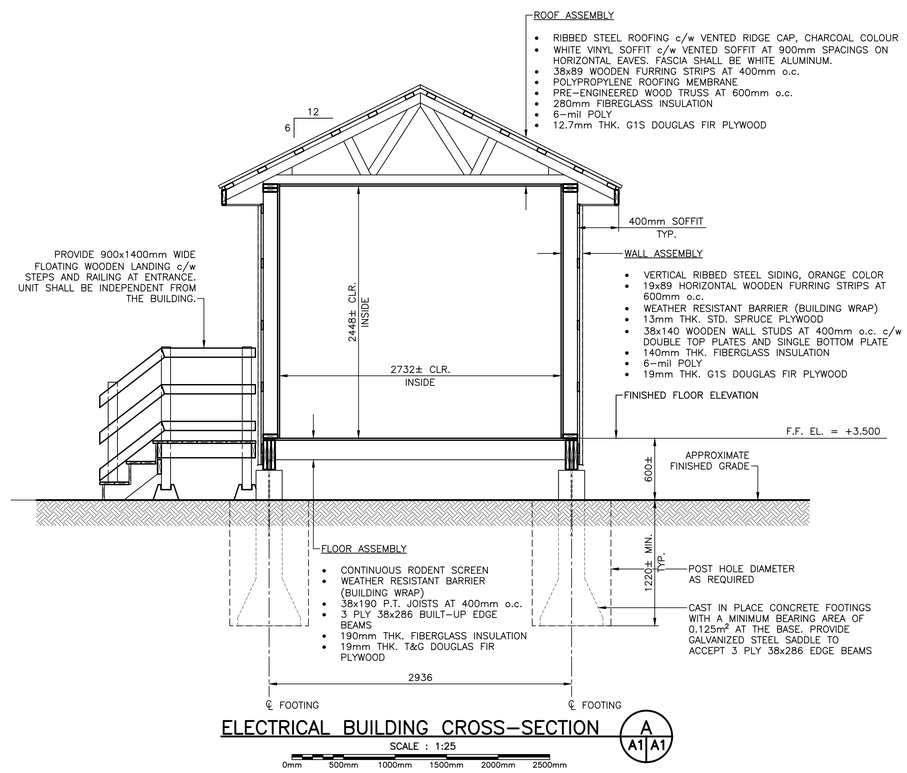


ELECTRICAL BUILDING CROSS-SECTION — A A1 A1

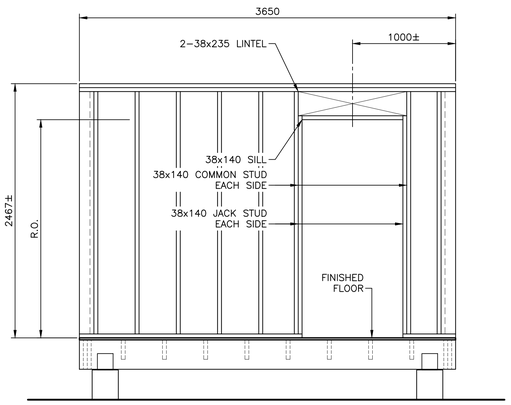
SCALE : 1:25

0mm 500mm 1000mm 1500mm 2000mm 2500mm

ELECTRICAL BUILDING NOTES:

1. ALL CONCRETE WORK TO BE IN ACCORDANCE WITH CAN/CSA A23.1, CAN/CSA A23.2 AND CAN/CSA A23.3 LATEST EDITIONS.
2. CONCRETE SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
   a. CLASS OF EXPOSURE = R1
   b. MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS = 25 mPa
   c. 20mm MAX AGGREGATE SIZE
   d. MAX WATER CEMENT RATIO = 0.55
   e. AIR ENTRAINMENT = 4 – 7%
3. TIMBER MATERIALS AND METHODS OF CONSTRUCTION TO CSA O86-09. ALL TIMBER TO BE S-P-F, GRADE No. 1/2 OR BETTER. ALL PLYWOOD SHEATHING TO BE S-P-F.
4. ALL BOLTS AND LAG SCREWS TO BE GRADE A307, U.N.O.
5. ALL TIMBER CONNECTIONS BETWEEN DIMENSIONAL LUMBER (ie. STUD TO PLATE CONNECTION) SHALL USE A MINIMUM OF 4–83mm COMMON NAILS, U.N.O. ALL TIMBER CONNECTIONS BETWEEN PLYWOOD SHEATHING AND DIMENSIONAL LUMBER SHALL USE A MINIMUM OF 64mm COMMON NAILS SPACED AT 300mm EXCEPT AT 200mm ON BUTT JOINTS. ALL JOISTS SHALL BE HUNG FROM EDGE BEAMS WILL FULL STRENGTH JOIST HANGERS AND SHALL BE FASTENED AS PER MANUFACTURER'S RECOMMENDATIONS.
6. LOCATION AND SIZE OF ALL OPENINGS AS PER THE ELECTRICAL CONTRACTOR'S REQUIREMENTS.
7. ROOF TRUSSES TO BE DESIGNED BY THE MANUFACTURER AND MUST BE APPROVED BY AN ENGINEER LICENSED TO PRACTICE IN THE PROVINCE OF PRINCE EDWARD ISLAND. SPECIFIED DESIGN LOADS ARE AS FOLLOWS:
   - DEAD LOADS: SELF WEIGHT + 0.2 kPa ON TOP CHORD + 0.57 kPa BOTTOM CHORD.
   - SNOW LOAD: 2.0 kPa
   - WIND LOAD: 1.17 kPa

   ALL TRUSS BRACING SHALL BE INSTALLED AS PER MANUFACTURER'S REQUIREMENTS. ALL TRUSSES SHALL HAVE HOLD-DOWN CLIPS INSTALLED.
8. COLOUR SAMPLES OF SIDING AND ROOFING RIBBED STEEL SHALL BE PROVIDED TO DEPARTMENTAL REPRESENTATIVE FOR APPROVAL PRIOR TO ORDERING.
9. WINDOWS SHALL BE SINGLE HUNG, DOUBLE GLAZED WINDOWS WITH A SIZE OF 610mm WIDE BY 915mm HIGH (FRAME DIMENSIONS). VINYL SHALL BE WHITE IN COLOUR.
10. DOOR SHALL BE A 6 PANEL INSULATED METAL DOOR c/w VINYL BRICKMOULD AND 6 PANEL LITE, 915mm WIDE BY STANDARD HEIGHT. DOOR TO BE PAINTED WITH EXTERIOR GRADE PAINT. PAINT COLOUR TO BE DETERMINED BY DEPARTMENTAL REPRESENTATIVE PRIOR TO ORDERING. DOOR HARDWARE SHALL INCLUDE STANDARD EXTERIOR GRADE ENTRY DOOR KNOB AND KEYED DEADBOLT. HARDWARE FINISH TO BE SATIN NICKEL.
11. ATTIC HATCH SHALL BE STANDARD SIZE AND SHALL BE INSULATED c/w WEATHER STRIPPING.
12. WINDOWS AND DOORS SHALL BE TRIMMED ON THE INTERIOR WITH 19x89mm PINE TRIM BOARDS.
13. INTERIOR OF THE BUILDING (WALLS, DOOR AND TRIM) SHALL BE PRIMED AND PAINTED WITH A MINIMUM OF 3 COATS (1 COAT PRIMER, 2 COATS PAINT). FINAL COLOUR SHALL BE DETERMINED BY THE DEPARTMENTAL REPRESENTATIVE PRIOR TO ORDERING. ALL INSIDE CORNERS SHALL BE BEADED WITH LATEX CAULKING PRIOR TO PAINTING.
14. WOODEN LANDING SHALL BE CONSTRUCTED AS FOLLOWS:
   a. DECK SHALL BE FRAMED WITH 38x140mm PT JOISTS @ 400mm O.C.. JOISTS SHALL BE HUNG WITH JOIST HANGERS FROM HEADERS.
   b. POSTS FOR RAILING AND SUPPORT SHALL BE CONTINUOUS 89x89mm PT LUMBER EXTENDING THROUGH THE DECK INTO DECK BLOCKS FOUND ON THE EXISTING GRADE. POSTS LENGTHS SHALL BE SUCH THAT THE DECK SITS LEVEL IN BOTH DIRECTIONS AND PROVIDES A FINISHED RAILING HEIGHT OF 915mm.
   c. DECKING SHALL BE 25x140mm PT CONTINUOUS DECKING.
   d. RAILINGS SHALL BE 3-ROWS OF 38x89mm CONTINUOUS LUMBER EVENLY SPACED.
   e. STEPS SHALL HAVE A RUN OF APPROXIMATELY 250mm AND A MAXIMUM RISE OF 200mm. ALL STEPS SHALL HAVE FULL HEIGHT RISERS.
   f. CONNECTIONS BETWEEN POSTS AND DECK FRAMING SHALL BE 2–12.7mm DIA. GALVANIZED CARRIAGE BOLTS AT EACH CONNECTION.
   g. ALL HARDWARE TO BE HOT DIP GALVANIZED.
   h. LANDING DECKING, STEPS, RISERS AND RAILING SHALL BE BARE, PRESSURE TREATED FINISH.
15. CONTRACTOR TO PROVIDE SAMPLES OF ROOFING AND CLADDING IN ACCORDANCE WITH SECTION 01 33 00 OF THE SPECIFICATIONS.



DETAIL OF DOOR OPENING — 2 A1 A1

SCALE : 1:25

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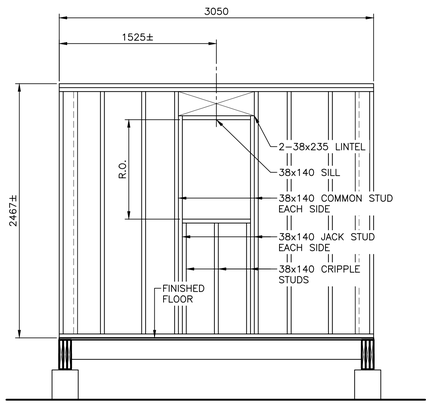

DETAIL OF WINDOW OPENING — 3 A1 A1

SCALE : 1:25

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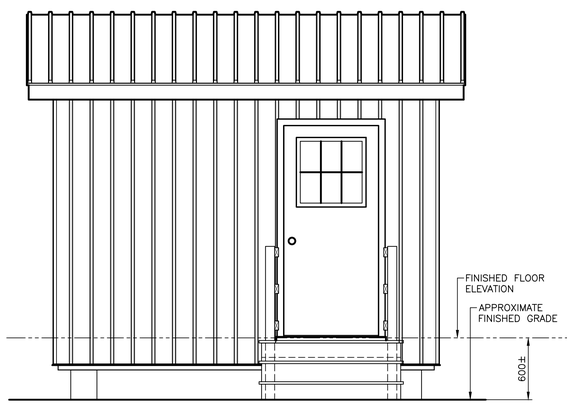

FRONT ELEVATION (REAR SIMILAR) — E1 A1 A1

SCALE : 1:25

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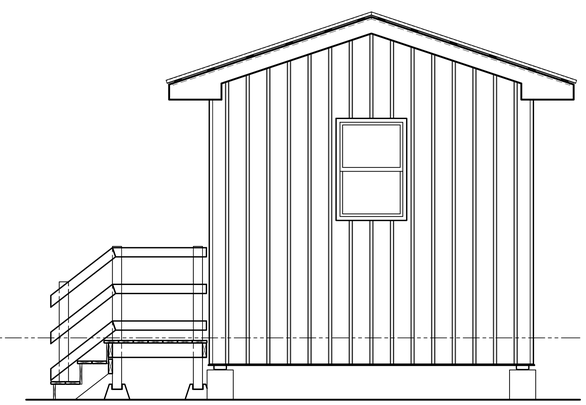

TYPICAL END ELEVATION — E2 A1 A1

SCALE : 1:25

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Fisheries and Oceans Canada / Pêches et Océans Canada
Small Craft Harbours Maritimes / Gulf Region / Ports pour Petits Bateaux Région des Maritimes / Golfe

HARBOURSIDE Engineering Consultants

PROFESSIONAL ENGINEER — The Association Of Professional Engineers Of The Province Of Prince Edward Island
Ronald Keefe 1369
Sept. 15/21
DATE
PROVINCE OF PRINCE EDWARD ISLAND

revisions		date
0	ISSUED FOR TENDER	SEPT.15 2021

project / projet

STRUCTURE #402 AND #403 RECONSTRUCTION
GEORGETOWN
KINGS COUNTY, PE

drawing / dessin

PLAN, SECTIONS AND DETAILS OF ELECTRICAL BUILDING

designed R.KEEFE / conçu
date JULY 2019
drawn J.BENNETT / dessiné
date JULY 2019
approved / approuvé
date
Tender / Soumission
PWGSC Project Manager / Administrateur de projets TPSGC
project number / no. du projet
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A1 of 1

PWGSC B1 (2004)

E-DRM/GDD-E: