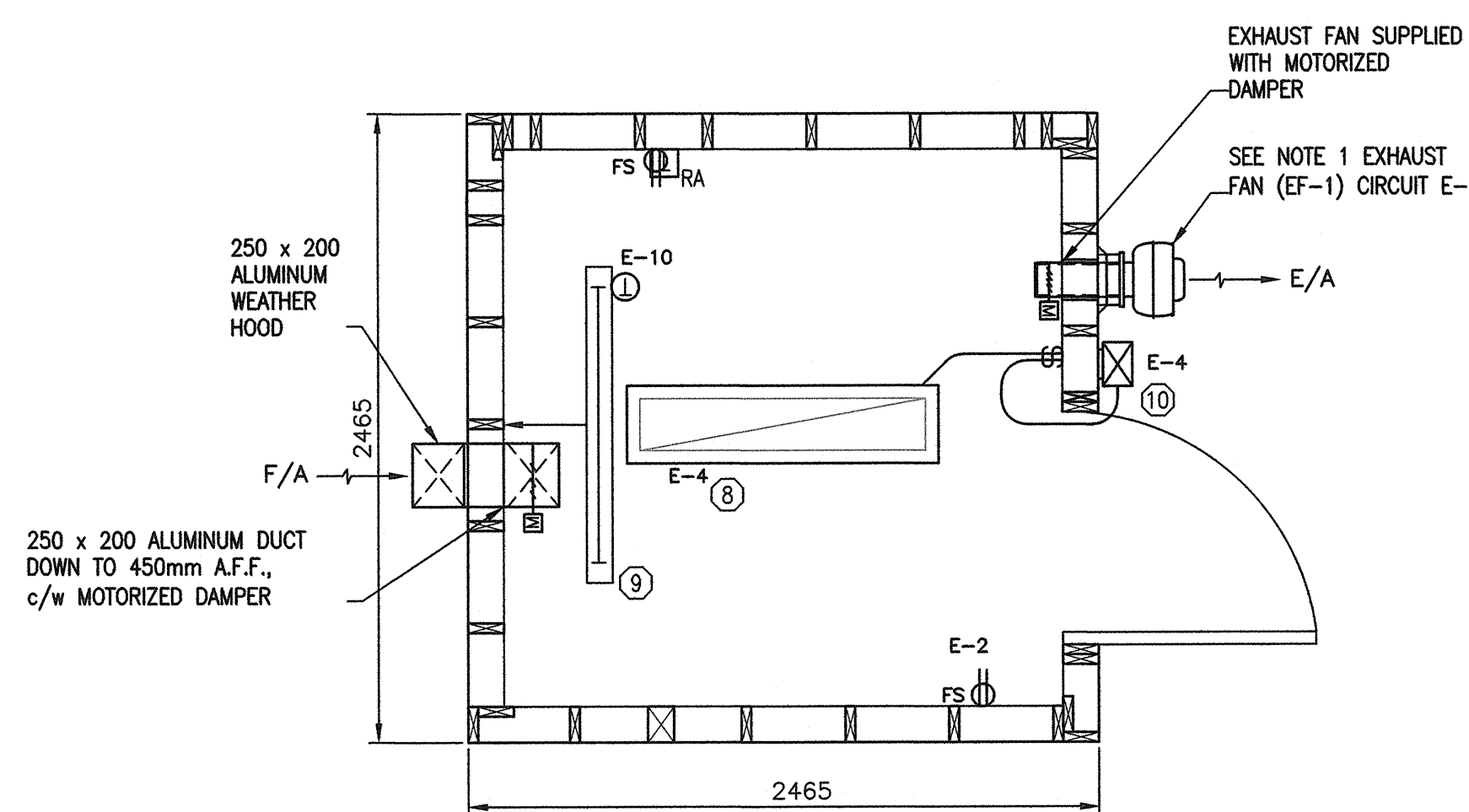


ELECTRICAL SHED #2 - EQUIPMENT LAYOUT

NOTE:

- ALL EQUIPMENT/WIRING ETC.... IN ELECTRICAL SHED TO BE SURFACE MOUNTED.
- SPARE 78mm RIGID PVC CONDUITS c/w PULL CORDS RUN TROUGH CONCRETE RETAINING WALL OPPOSITE FLOATING DOCKS. CAP CONDUIT WITHIN 100mm OF THE EXTERIOR FACE OF THE WALL.
- SPARE 78mm RIGID PVC CONDUITS c/w PULL CORDS RUN TROUGH CRIB WORK. CAP CONDUIT WITHIN 100mm OF THE EXTERIOR FACE OF THE CRIB WORK TO ENSURE FUTURE ACCESS.



ELECTRICAL SHED #2. - POWER & LIGHTING LAYOUT

NOTE:

- ALL EQUIPMENT/WIRING ETC.... IN ELECTRICAL SHED TO BE SURFACE MOUNTED.

LEGEND:

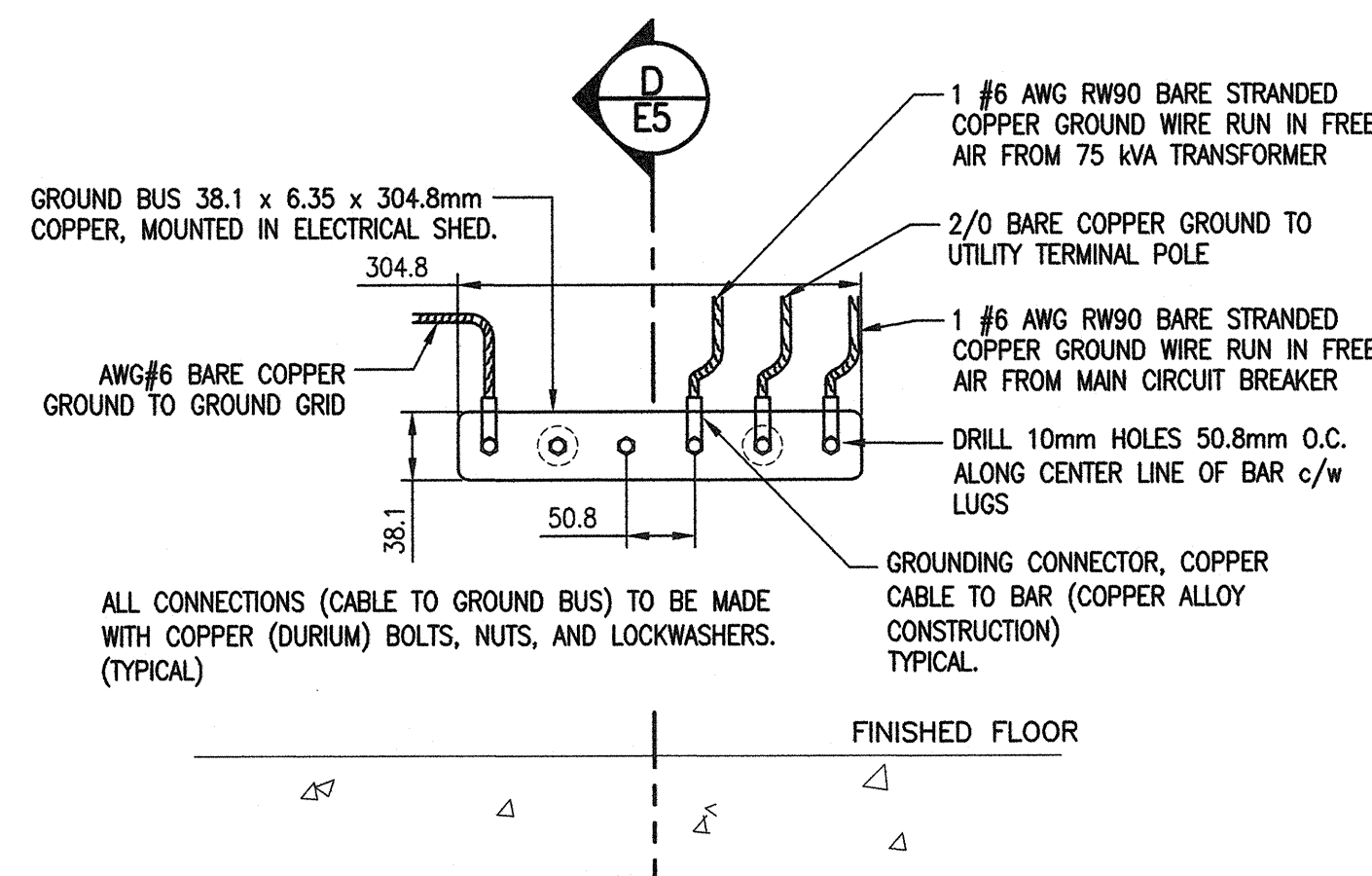
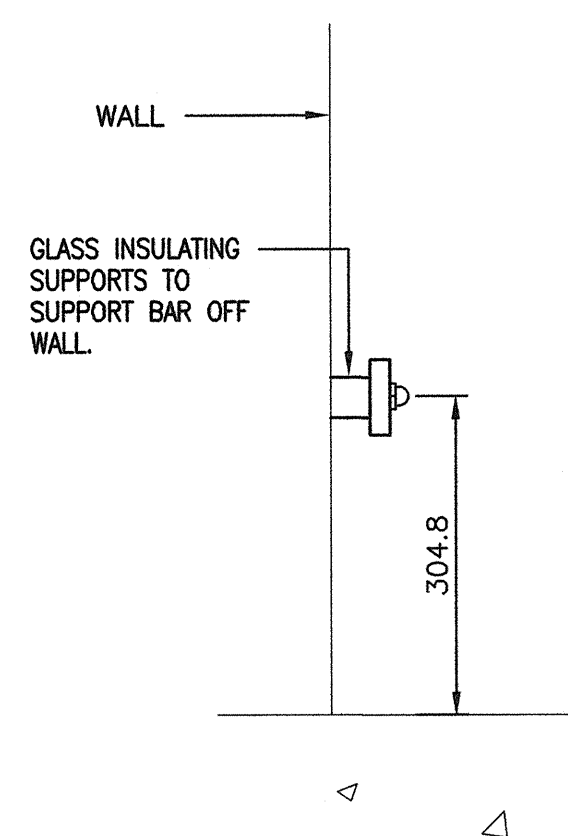
- FS - 15A, 120V, DUPLEX U-GROUND RECEPTACLE. SURFACE MOUNTED IN AN "FS" CAST BOX.
- GFCI WP - 15A, 120V, DUPLEX U-GROUND GFCI RECEPTACLE. c/w WEATHERPROOF COVER.
- FS - DOUBLE GANGED 15A, 120V TOGGLE SWITCHES. SURFACE MOUNTED IN AN "FS" CAST BOX.
- T/C - 120V, ASTRONOMICAL, DIGITAL TIME CLOCK EQUAL TO INTERMATIC #ET8015C.
- C1 - 2 POLE LIGHTING CONTACTOR, 120V COIL; 15A, 347V CONTACTS FOR TYPE 'A' & 'B' WHARF AND DOCK LIGHTING.
- S PWS - SINGLE 30A, 120V PROGRAMMABLE WALL SWITCH TO CONTROL LIGHTING. SURFACE MOUNTED 1200mm A.F.F.
- TOL PL - MANUAL MOTOR STARTER c/w THERMAL OVERLOAD HEATERS AND RED JEWELLED PILOT LIGHT.
- RA - 120V, 1 POLE REVERSE ACTING THERMOSTAT.

EXHAUST FAN NOTES:

- EXHAUST FAN (EF-1) TO BE SIDE WALL CENTRIFUGAL TYPE, c/w NEMA-1 DISCONNECT SWITCH, 120V MOTORIZED DAMPER, ALUMINUM HOUSING, ALUMINUM B.I. WHEEL, ALUMINUM BIRD SCREEN. ALL INTERIOR STEEL COMPONENTS (INCLUDING DAMPERS) TO BE COMPLETE WITH CORROSION RESISTANT COATING. FAN AIR FLOW=165 L/S AT 0.375" H 0 STATIC PRESSURE. DIRECT DRIVE, 120V 1/20 HP MOTOR. FAN TO BE SIMILAR TO GREENHECK MODEL CW-085. FOR FAN CONTROL DETAIL REFERENCE DETAIL 6, DRAWING E5.
- ALL NEW DUCTWORK (INCLUDING WEATHER HOOD) TO BE ALUMINUM CONSTRUCTION, MINIMUM 16 GA. CONSTRUCTION FOR THE WEATHER HOOD.
- FRESH AIR DAMPER TO BE ALUMINUM CONSTRUCTION c/w 120V ACTUATOR.
- FRESH AIR DAMPER AND EXHAUST FAN OPERATION CONTROL BY REVERSE ACTING THERMOSTAT.
- ALL EQUIPMENT/WIRING ETC.... IN ELECTRICAL SHED TO BE SURFACE MOUNTED.

LEGEND - ELECTRICAL SHED #2

- 100 AMP, 600 VOLT.
- 45 KVA, 600-120/208 VOLT, DRY TYPE 3 ϕ , 4W DISTRIBUTION TRANSFORMER. FLOOR MOUNTED. DELTA-WYE CONNECTED.
- 100 AMP, 600V, 3 ϕ , 4W SERVICE ENTRANCE RATED PANEL WITH MAIN CIRCUIT BREAKER 24 CIRCUIT BOLT ON BRANCH CIRCUIT BREAKERS. SEE E3.
- PANEL 'E': 225 AMP, 120/208 VOLT, 3 PHASE, 4 WIRE PANELBOARD. 42 CIRCUIT, BOLT ON BRANCH CIRCUIT BREAKERS. SEE PANEL SCHEDULE DWG. E3.
- COPPER GROUND BAR. 24.2mm (h) x 3.2mm (t) x 300mm (l) MOUNTED 300mm A.F.F. ON GLASS INSULATORS.
-
-
- 1220mm (4'), LED, INDUSTRIAL TYPE, CHAIN HUNG LUMINAIRE 120V c/w 78 LAMPS, BALLAST AND WRAP AROUND LENS. EQUAL TO EXTON #4VT2-LD-4-DR-LW-L840-CD1-WL-U
- 1000W, 120V SLOPE TOP ELECTRIC BASEBOARD HEATER, c/w INTEGRAL THERMOSTAT. EQUAL TO DIMPLEX #SASB410 120V c/w A1 T'STAT
- WALL MOUNTED FIXTURE EQUAL TO LUMARK XTOR2A, 120V, 20W, 3500K LED, PC1 PHOTO CONTROL, MOUNTED HIGH AS POSSIBLE.
- NEW SINGLE 30A, 120V PROGRAMMABLE WALL TIME SWITCH TO CONTROL DOCK LIGHTING. SURFACE MOUNT SWITCH EQUAL TO INTERMATIC #ET8015C



SECTION D E5

SCALE : N.T.S.

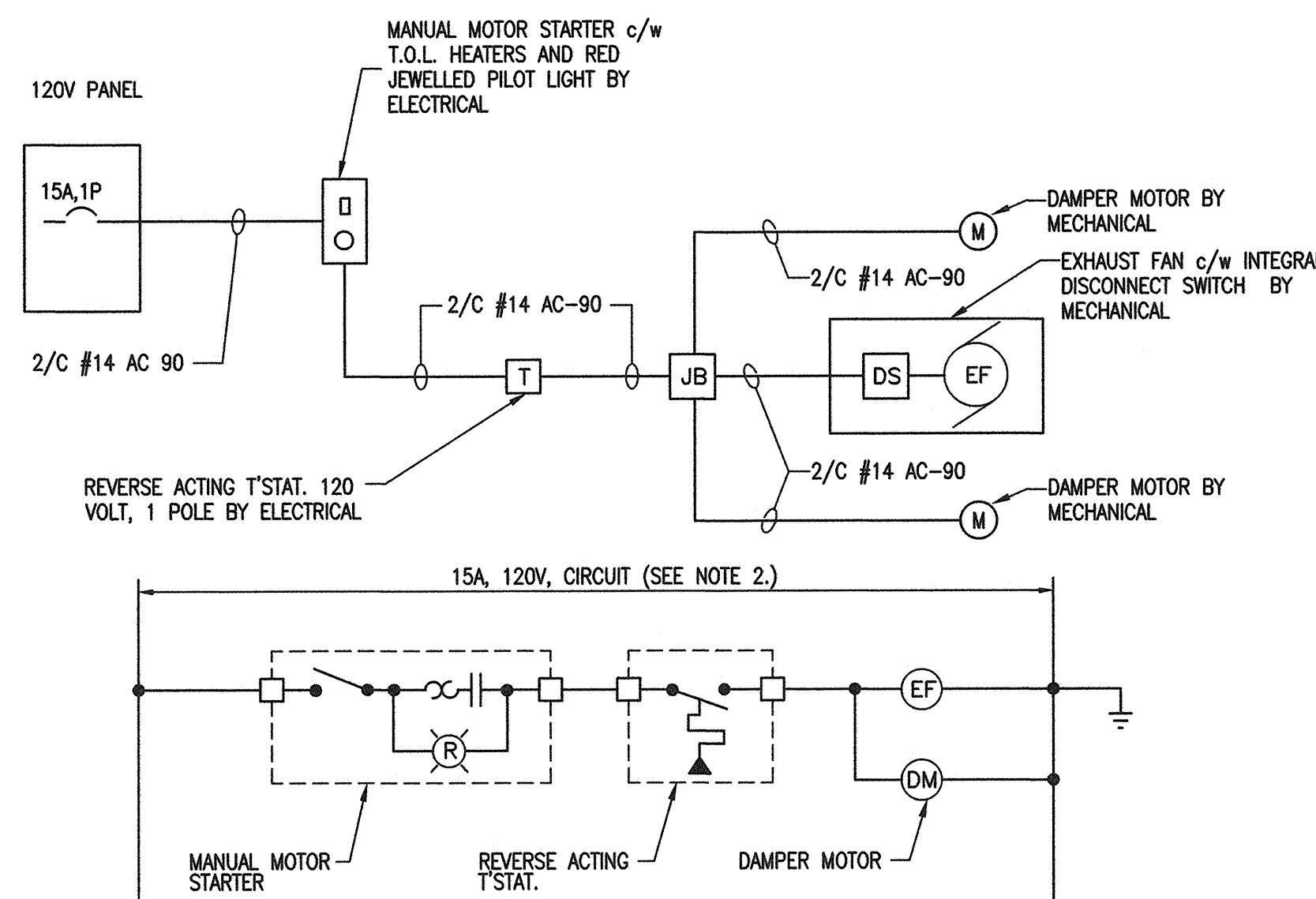
ELEVATION D E5

SCALE : N.T.S.

DETAIL - GROUNDING BAR 5 E5

SCALE : N.T.S.

NOTE: ALL DIMENSIONS ARE IN MILLIMETERS



EXHAUST FAN WIRING DIAGRAM & CONTROL SCHEMATIC

SCALE : N.T.S.

FACIAS AND SOFFITS:

- ALL TRIM CLEAR PINE BOARDS
- PRIMER PLUS TWO COATS
- WHITE LATEX SEMI-GLOSS
- ALL WORK BACK PRIMED
- STAINLESS NAILS
- CONTINUOUS SLOT VENT WITH INSECT SCREEN TO LOW AND HIGH SOFFIT

DOOR:

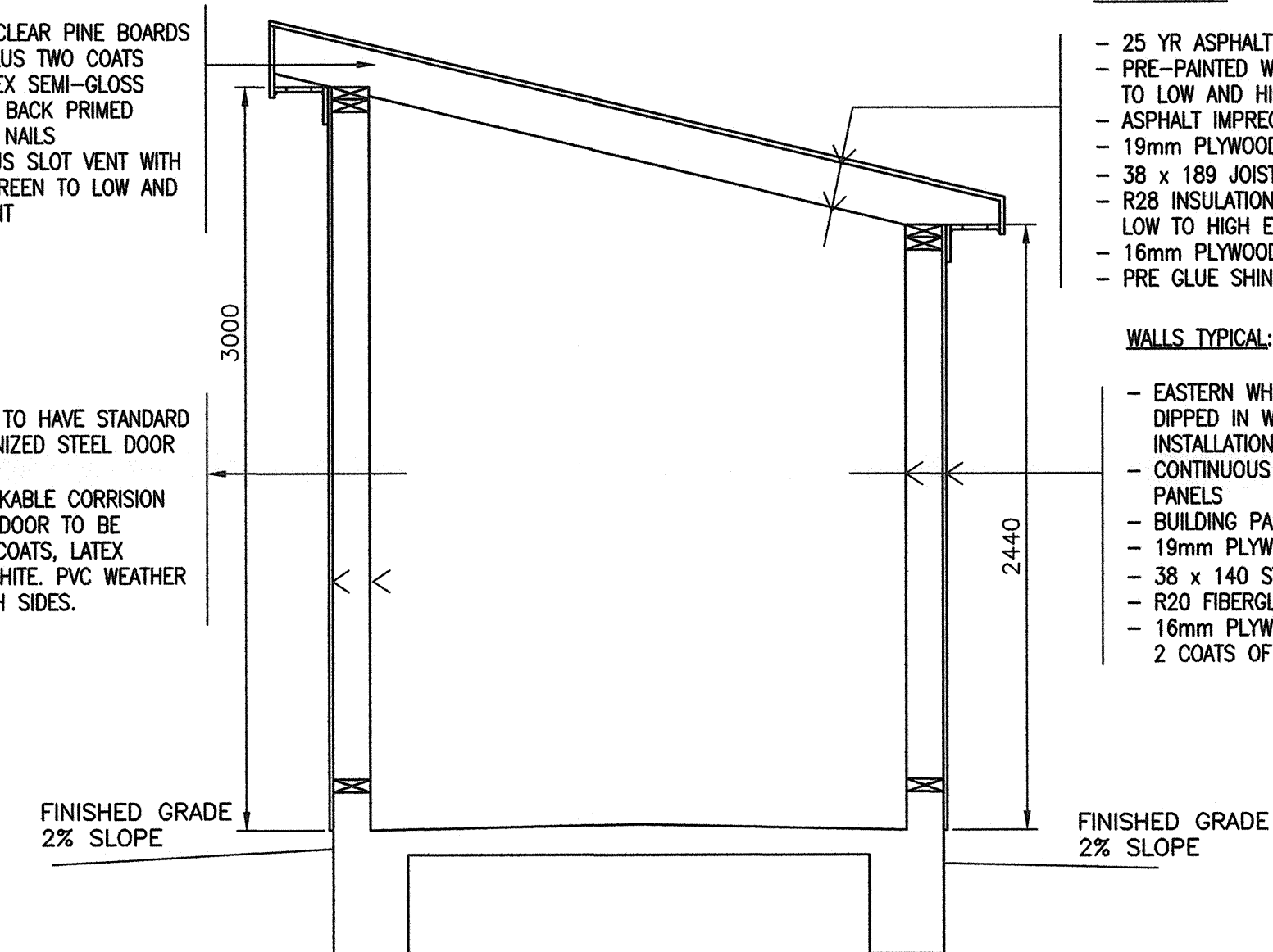
- ELECTRICAL BUILDING TO HAVE STANDARD SIZE INSULATED GALVANIZED STEEL DOOR
- STEEL FRAME AND LOCKABLE CORROSION RESISTANT HARDWARE. DOOR TO BE PAINTED PRIMER + 2 COATS, LATEX SEMI-GLOSS, COLOR WHITE. PVC WEATHER STRIPPING TOP & BOTH SIDES.

ROOF TYPICAL:

- 25 YR ASPHALT SHINGLES - TILE RED COLOR
- PRE-PAINTED WHITE METAL STARTER STRIP TO LOW AND HIGH EAVE ONLY
- ASPHALT IMPREGNATED PAPER
- 19mm PLYWOOD SHEATHING OPEN JOINTS
- 38 x 189 JOISTS @ 400 c/c
- R28 INSULATION WITH VENT PANELS LOW TO HIGH EAVE
- 16mm PLYWOOD JOINTS CAULKED
- PRE GLUE SHINGLES PRIOR TO INSTALLATION

WALLS TYPICAL:

- EASTERN WHITE CEDAR SHINGLES 4" TO WEATHER DIPPED IN WEATHERING STAIN PRIOR TO INSTALLATION. STAINLESS NAILS, WOVEN CORNERS.
- CONTINUOUS SHEET SEMI-PRIVACY P.T. LATTICE PANELS
- BUILDING PAPER
- 19mm PLYWOOD SHEATHING
- 38 x 140 STUDS @ 400 c/c
- R20 FIBERGLASS BATT INSULATION
- 16mm PLYWOOD JOINTS CAULKED, PAINTED WITH 2 COATS OF INTERIOR LATEX, WHITE

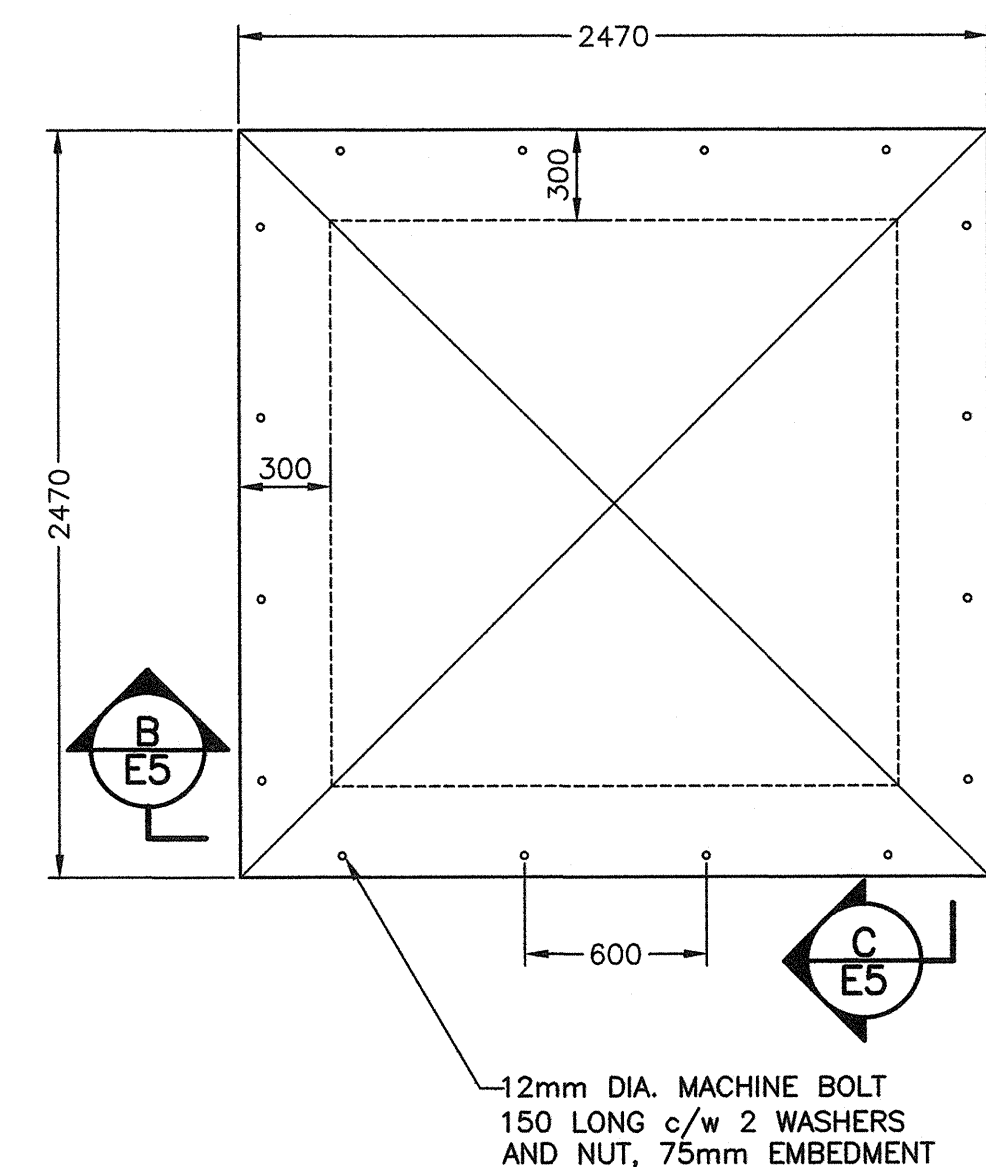


SECTION - BUILDING MATERIALS

SCALE: 1:25

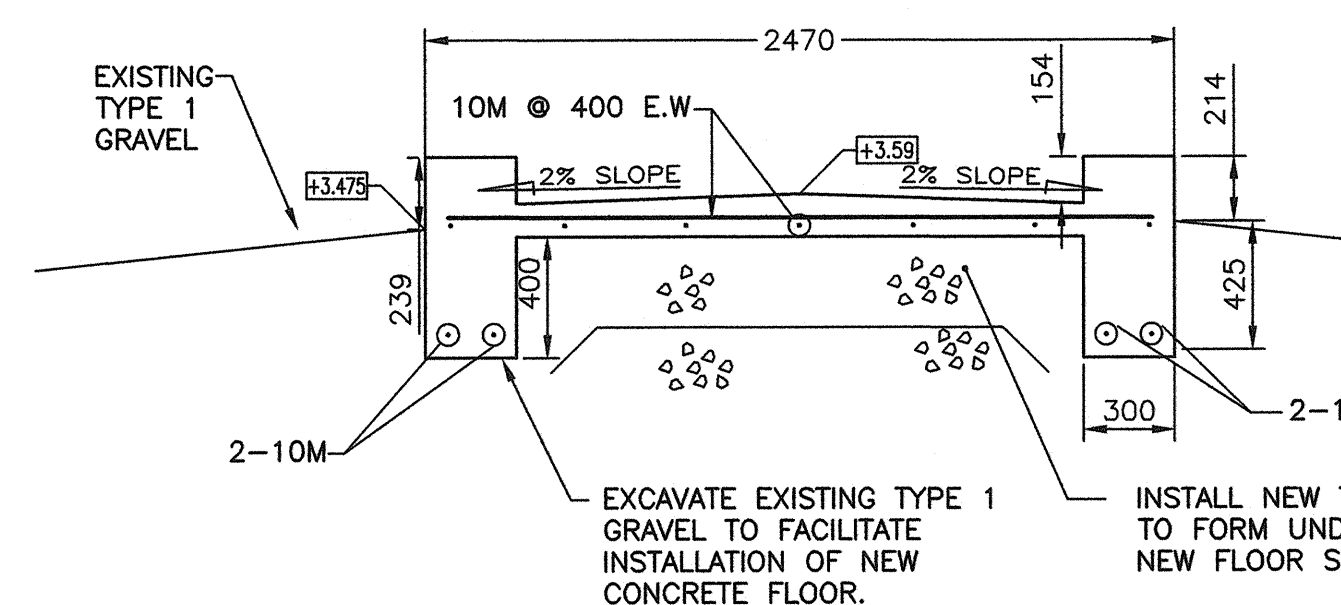
NOTES:

- WALLS TO BE CONSTRUCTED WITH 2-38 x 140 TOP PLATES AND 1-38 x 140 BOTTOM PLATE. BOLT WALLS TO FOUNDATION WITH 12mm ANCHOR BOLTS @ 600 c/c.
- ALL DIMENSIONS ARE IN MILLIMETERS.



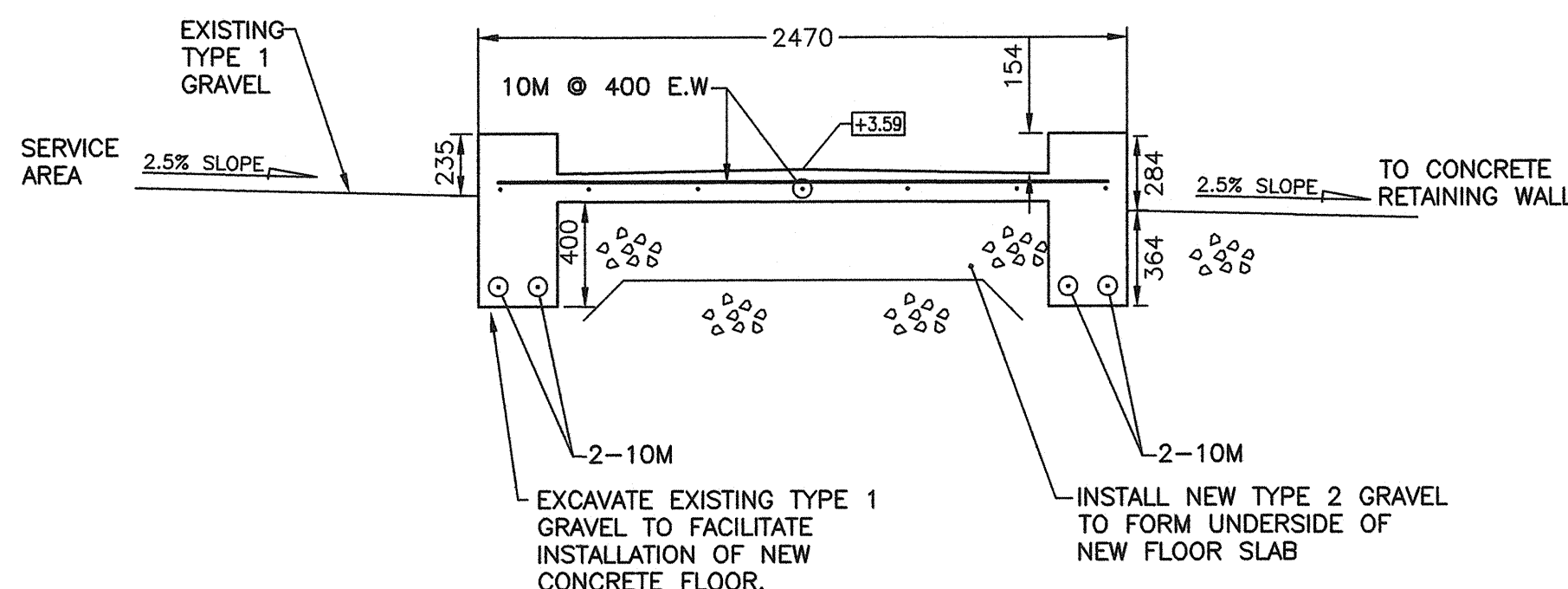
FLOOR SLAB DETAIL - PLAN VIEW

SCALE: 1:25



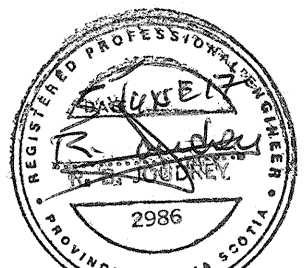
SECTION - FLOOR SLAB

SCALE: 1:25



SECTION - FLOOR SLAB

SCALE: 1:25



0	ISSUED FOR TENDER	JUN 05 2017
revisions		date
project	HARBOUR REDEVELOPMENT PORT BICKERTON EAST GUYSBOROUGH COUNTY NOVA SCOTIA	project

ELECTRICAL SHED #2 PLANS AND DETAILS

designed	M.N.	conqu
date	JUN 05, 2017	
drawn	D.C.	desinif
date	JUN 05, 2017	
approved		approuvé
date	06/06/17	
sender		Submission
PWOSC Project Manager	Administrateur de projets TPSCG	
project number	R.082082.001	no. du projet
drawing no.	E5	no. du dessin