

LEGEND - ELECTRICAL SHED #1

- ① - 400 AMP, 600 VOLT. UTILITY METERS
- ② - 75 KVA, 600-120/240 VOLT, DRY TYPE 1 ϕ , 3W DISTRIBUTION TRANSFORMER. FLOOR MOUNTED. DELTA-WYE CONNECTED.
- ③ - 45 KVA, 600-120/208 VOLT, DRY TYPE 3 ϕ , 4W DISTRIBUTION TRANSFORMER. FLOOR MOUNTED. DELTA-WYE CONNECTED.
- ④ - 400 AMP, 600V, 3 ϕ , 4W SERVICE ENTRANCE RATED MAIN CIRCUIT BREAKER EEMAC 1 ENCLOSURE.
- ⑤ - PANEL 'A' & 'B': 225 AMP, 347/600 VOLT, 3 PHASE, 4 WIRE PANELBOARD. 24 CIRCUIT, BOLT ON BRANCH CIRCUIT BREAKERS. SEE PANEL SCHEDULE DWG. E3.
- ⑥ - PANEL 'C' & 'D': 225 AMP, 120/208 VOLT, 3 PHASE, 4 WIRE PANELBOARD. 42 CIRCUIT, BOLT ON BRANCH CIRCUIT BREAKERS. SEE PANEL SCHEDULE DWG. E3.
- ⑦ - COPPER GROUND BAR. 24.2mm (h) x 3.2mm (t) x 300mm (l) MOUNTED 300mm A.F.F. ON GLASS INSULATORS.
- ⑧ - 600V, 400 AMP, 4 WIRE SPLITTER
- ⑨ - 600V, 200 AMP, ENCLOSED CIRCUIT BREAKER. EEMAC 1 ENCLOSURE.
- ⑩ - 1220mm (4'), LED, INDUSTRIAL TYPE, CHAIN HUNG LUMINAIRE 120V c/w WRAP AROUND LENS. EQUAL TO EATON #4VT2-LD-4-DR-UNV-LB40-CD1-WL-U
- ⑪ - 1000W, 120V SLOPE TOP ELECTRIC BASEBOARD HEATER, c/w INTEGRAL THERMOSTAT. EQUAL TO DIMPLEX #SASBF410 120V c/w A1 T'STAT
- ⑫ - WALL MOUNTED FIXTURE EQUAL TO LUMARK XTOR2A, 120V, 20W, 3500K LED, PC1 PHOTO CONTROL, MOUNTED HIGH AS POSSIBLE.
- ⑬ - NEW SINGLE 30A, 120V PROGRAMMABLE WALL TIME SWITCH TO CONTROL DOCK LIGHTING. SURFACE MOUNT SWITCH EQUAL TO INTERMATIC #ET8015C, 3 REQUIRED

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
- c/w 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
- 18mm 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

SLAB TYPICAL:

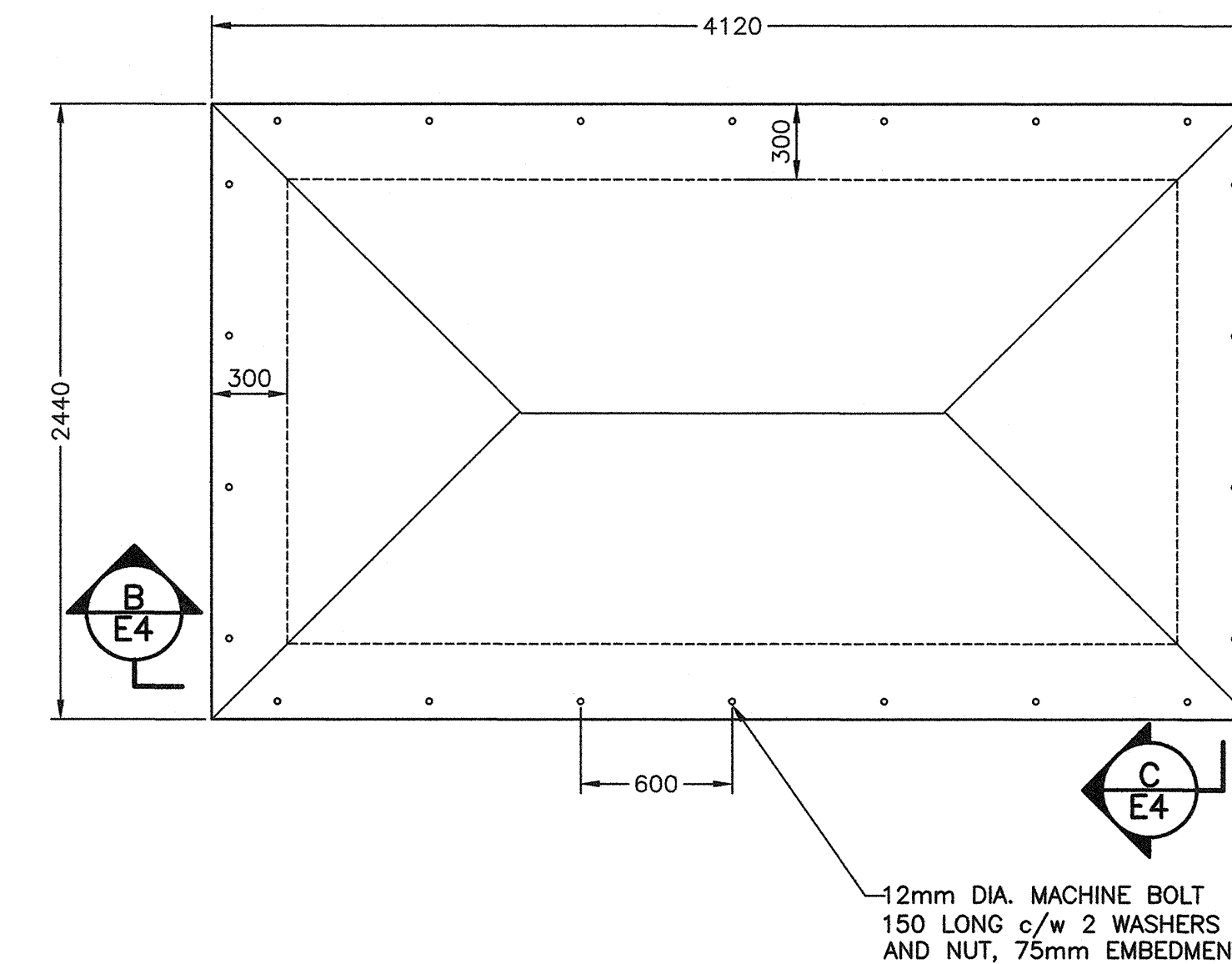
- ELEVATION OF FLOOR SLAB TO MATCH FUTURE DECK ELEVATION OF STEW (3.6m)

SECTION - BUILDING MATERIALS

SCALE: 1:25

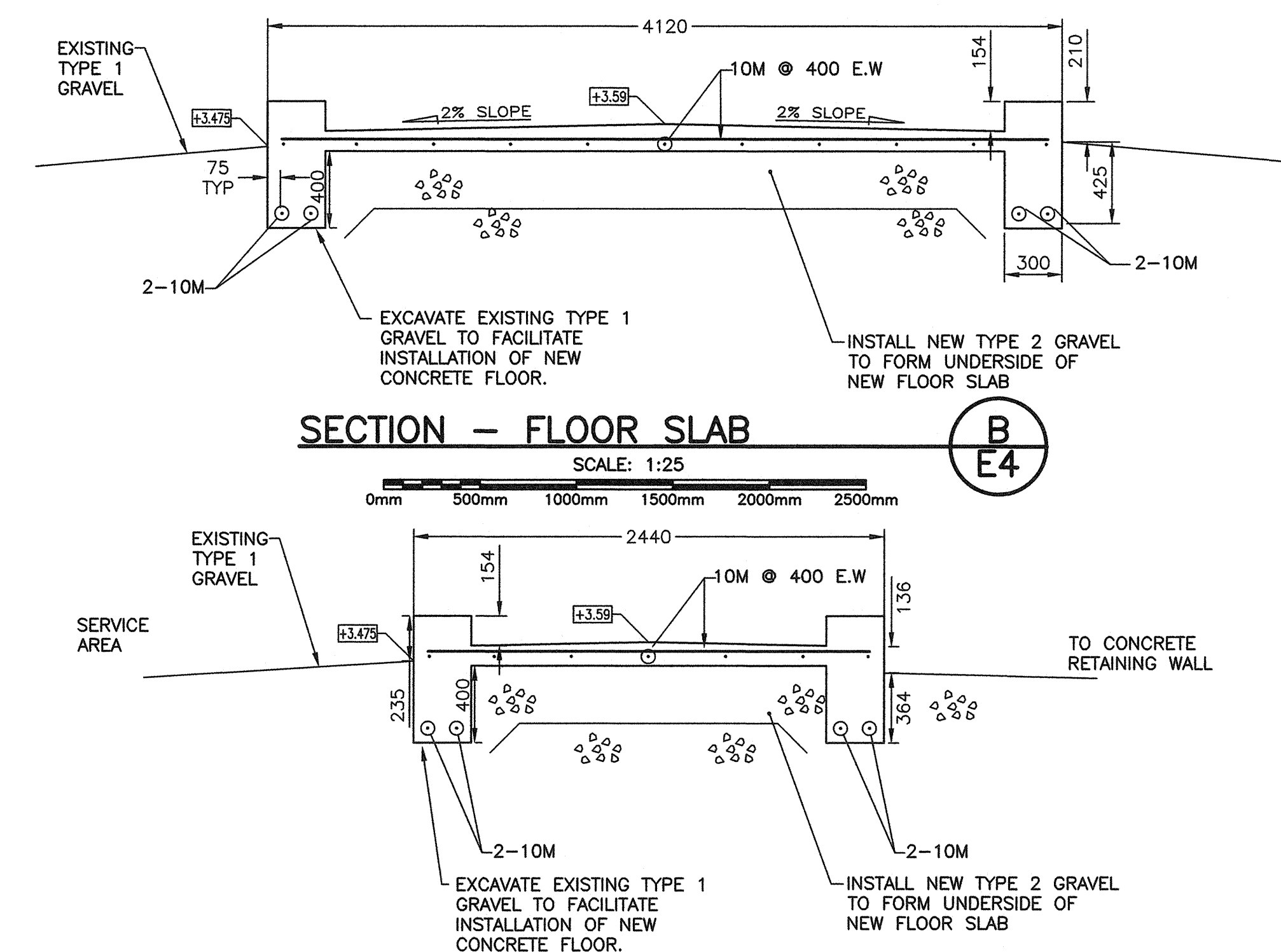
NOTES:

1. 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.
2. ALL DIMENSIONS ARE IN MILLIMETERS.



SECTION - FLOOR SLAB

SCALE: 1:25



SECTION - FLOOR SLAB

SCALE: 1:25

SECTION D E4

SCALE: N.T.S.

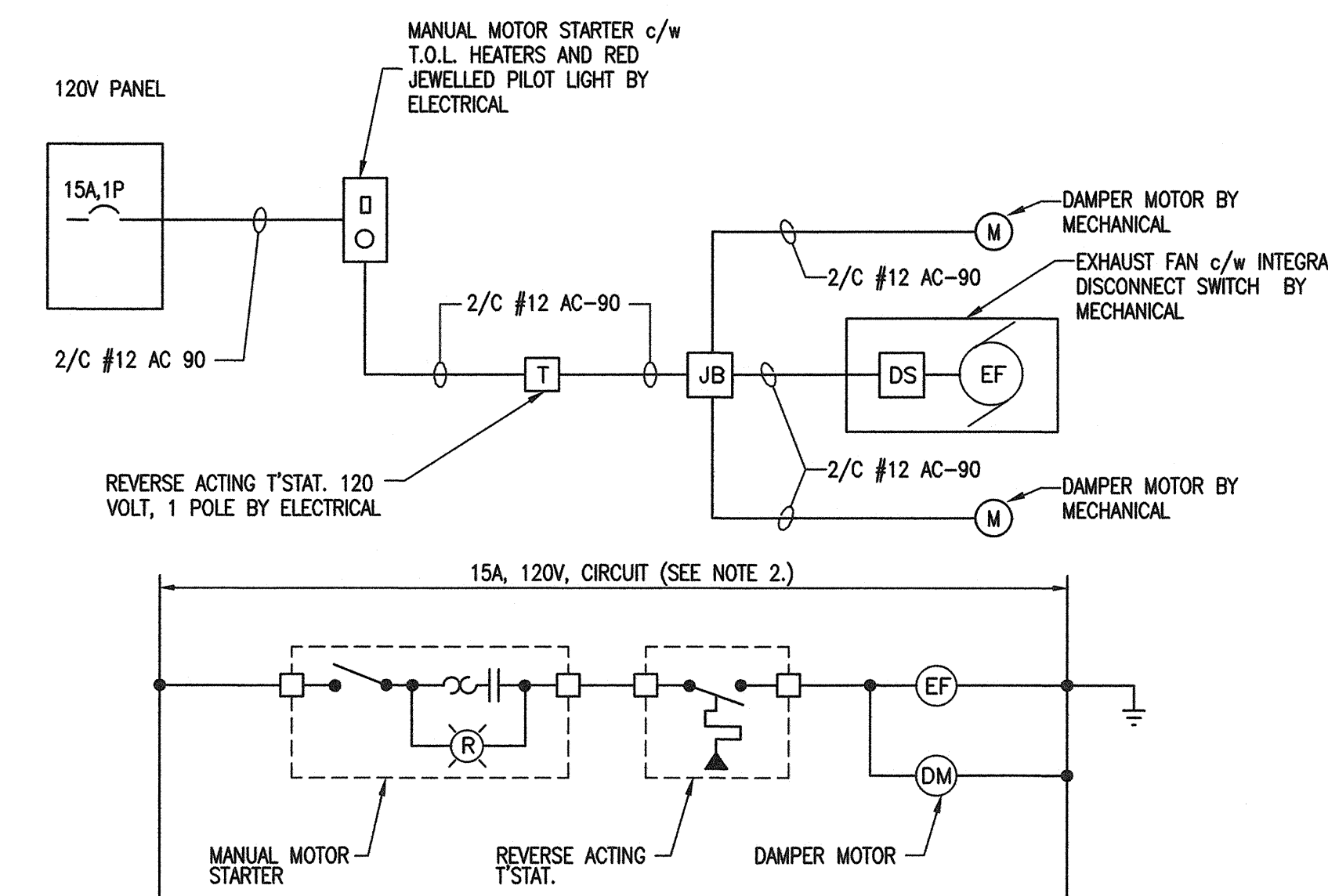
ELEVATION D E4

SCALE: N.T.S.

DETAIL - GROUNDING BAR E4

SCALE: N.T.S.

NOTE: ALL DIMENSIONS ARE IN MILLIMETERS



ELECTRICAL SHED #1 - POWER & LIGHTING LAYOUT

NOTE:

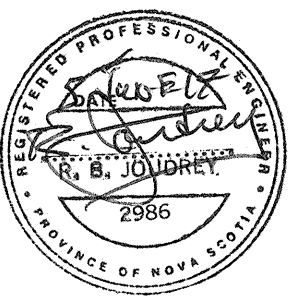
1. ALL EQUIPMENT/WIRING ETC.... IN ELECTRICAL SHED TO BE SURFACE MOUNTED.

LEGEND:

- ① - 15A, 120V, DUPLEX U-GROUND RECEPTACLE. SURFACE MOUNTED IN AN "FS" CAST BOX.
- ② - 15A, 120V, DUPLEX U-GROUND GFCI RECEPTACLE. c/w WEATHERPROOF COVER.
- ③ - DOUBLE GANGED 15A, 120V TOGGLE SWITCHES. SURFACE MOUNTED IN AN "FS" CAST BOX.
- ④ - 120V, ASTRONOMICAL, DIGITAL TIME CLOCK EQUAL TO INTERMATIC #ET8015C
- ⑤ - 2 POLE LIGHTING CONTACTOR, 120V COIL; 15A, 347V CONTACTS FOR TYPE 'A' & 'B' WHARF AND DOCK LIGHTING
- ⑥ - SINGLE 30A, 120V PROGRAMMABLE WALL SWITCH TO CONTROL LIGHTING. SURFACE MOUNTED 1200mm A.F.F.
- ⑦ - MANUAL MOTOR STARTER c/w THERMAL OVERLOAD HEATERS AND RED JEWELLED PILOT LIGHT
- ⑧ - 120V, 1 POLE REVERSE ACTING THERMOSTAT

EXHAUST FAN NOTES:

1. 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 E4.
2. ALL NEW DUCTWORK (INCLUDING WEATHER HOOD) TO BE ALUMINUM CONSTRUCTION, MINIMUM 16 GA. CONSTRUCTION FOR THE WEATHER HOOD.
3. FRESH AIR DAMPER TO BE ALUMINUM CONSTRUCTION c/w 120V ACTUATOR.
4. FRESH AIR DAMPER AND EXHAUST FAN OPERATION CONTROL BY REVERSE ACTING THERMOSTAT.
5. ALL EQUIPMENT/WIRING ETC.... IN ELECTRICAL SHED TO BE SURFACE MOUNTED.



0	ISSUED FOR TENDER	JUN 05 2017
revisions		date

project
HARBOUR REDEVELOPMENT
PORT BICKERTON EAST
GUYSBOROUGH COUNTY
NOVA SCOTIA

drawing
dessin

ELECTRICAL SHED #1 PLANS AND DETAILS

designed	M.N.	conçu
date	JUN 05, 2017	
drawn	D.C.	dessiné
date	JUN 05, 2017	
approved	<i>M. J. J. J.</i>	approuvé
date	06/06/17	
drawn	<i>M. J. J. J.</i>	Sourmission
project number	PWSC Project Manager	Administrateur de projets TPSGC
	R.082082.001	
drawing no.		no. du dessin
	E4	