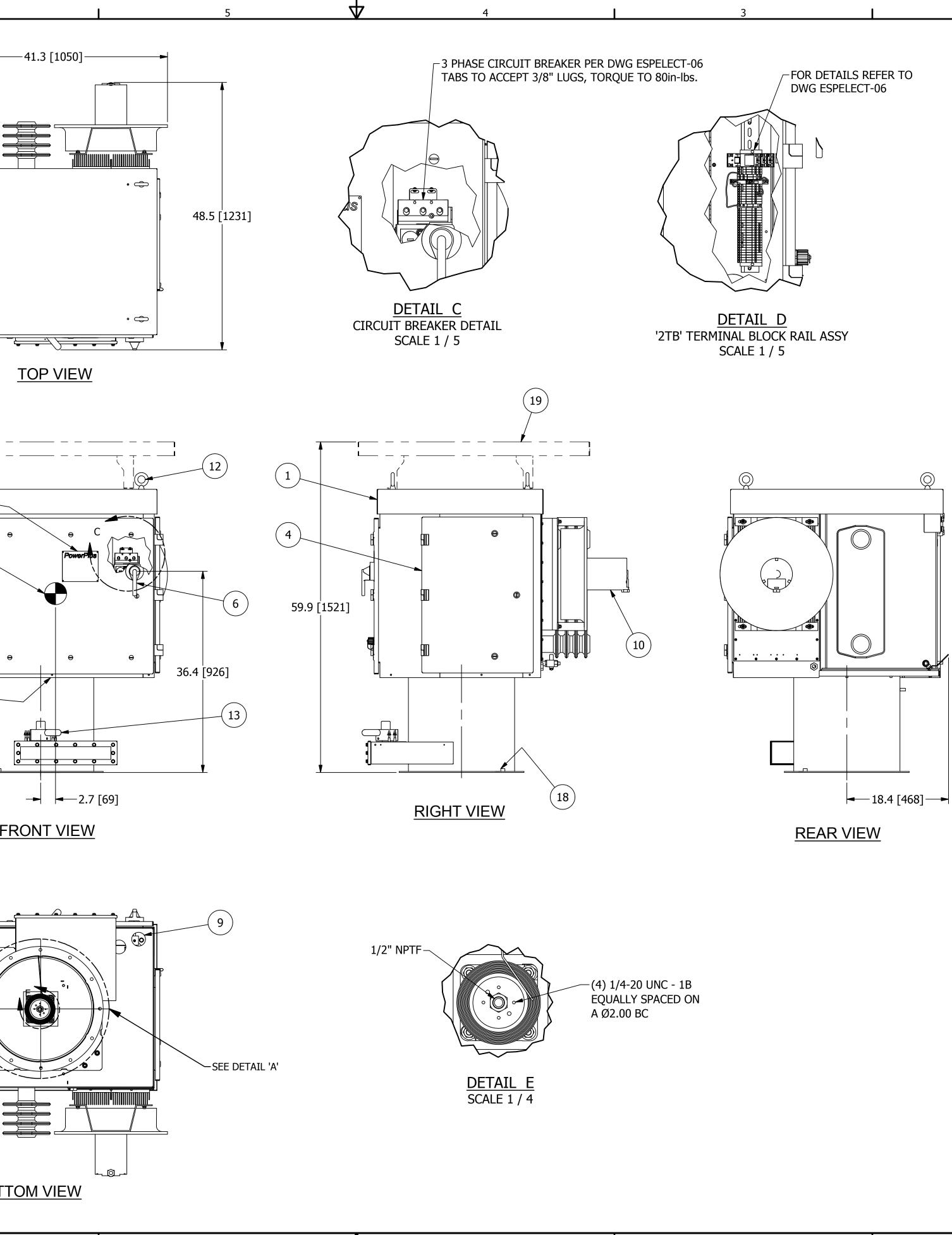
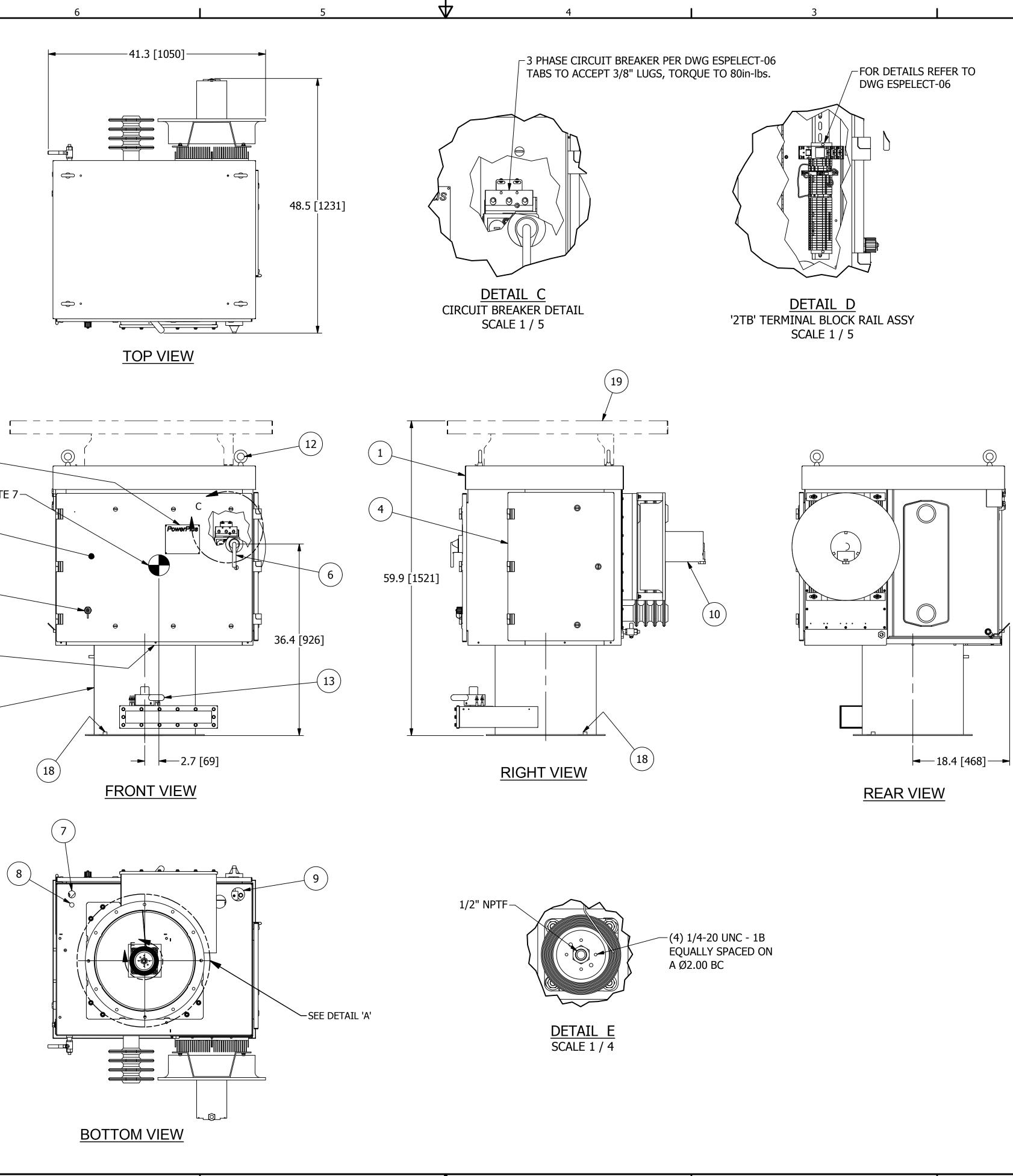


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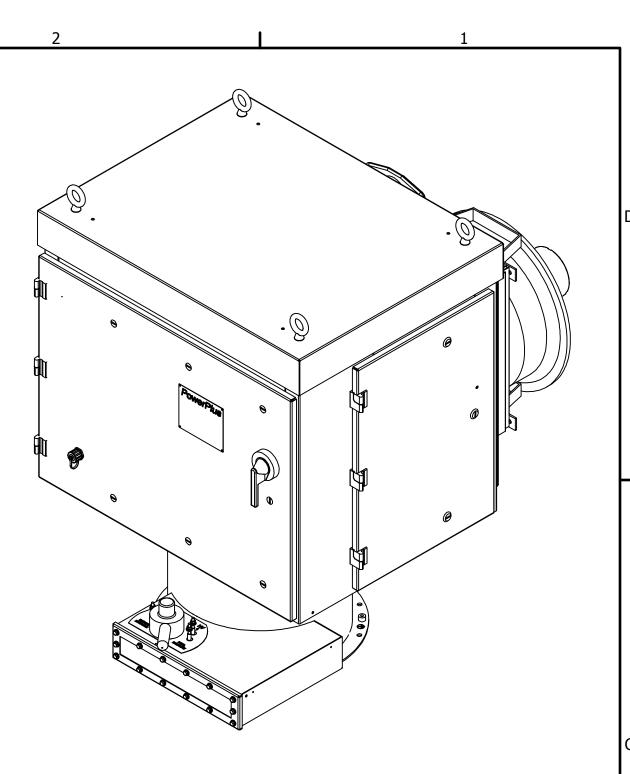


SHIPPING NOTES:

- 1. POWERPLUS WILL BE SHIPPED WITH ROUND GROUND SWITCH.
- 2. POWERPLUS AND ROUND GROUND SWITCH COMBINED SHIPPING WEIGHT: 1000lbs [454kg]
- 3. DIELECTRIC FLUID VOLUME: 29gal [110L]
- 4. FINISH: ENAMEL, ASA 61, APPROX. RAL 7042.
- 5. INDICATES CENTER OF GRAVITY.

INSTALLATION NOTES:

- 1. POWERPLUS MUST BE MOUNTED ON LEVEL SURFACE OR SHIMMED TO WITHIN 1/8" [3.2] RISE PER 12" [305] RUN.
- A 2. COLD ROOF MAY NEED TO BE REINFORCED TO ACCEPT THE WEIGHT OF THE POWERPLUS UNIT. 3. MAXIMUM ALLOWABLE DUCT INTERNAL TERMPERAUTE: 122°F (50°C). MAXIMUM ALLOWABLE DUCT INTERAL PRESSURE: 1 PSI (2.04" Hg). THE INSTALLER MUST USE AN ENTRANCE BUSHING IN ROOF TO MEET THESE SPECIFICATIONS.
- 4. POWERPLUS MUST BE GROUNDED TO THE COLD ROOF BY THE END USER. REFER TO DWG B126972 FOR GROUNDING DETAILS.
- 5. ALLOW 120" MINIMUM CLEARANCE ABOVE THE FLOOR TO LIFT AND REMOVE THE T/R RIG ASSEMBLY FROM THE OIL TANK. CLEARANCE DOES NOT INCLUDE RIGGING HEIGHT. 6. POWERPLUS AND SWITCH ARE SEALED, RATED NEMA 4/IP56.



BALLOONED NUMBERS:

- (1) POWERPLUS UNIT.
- (2) ROUND BOTTOM EXIT GROUND SWITCH.
- (3) RATINGS NAMEPLATE, ALUMINUM PHOTO ETCHED.
- ACCESS DOOR TO POWER ELECTRONICS SECTION. ALLOW 19" [483] OF CLEARANCE FROM THIS FACE FOR DOOR SWING.
- ACCESS DOOR TO SWITCHGEAR AND CONTROL SECTION. ALLOW 37" [940] OF CLEARANCE FROM THIS FACE FOR DOOR SWING.
- 6 INPUT CIRCUIT BREAKER SWITCH HANDLE W/ INTERLOCK PROVISION INSIDE. SEE DWG C140616.
- (7) 1" [25.4] DIA. CONDUIT HOLE FOR 120V CONTROL WIRING.
- 8 1/2" [12.7] DIA. CONDUIT HOLE FOR LOW VOLTAGE TRANSDUCER AND COMMUNICATION LINK CONDUIT.
- (9) 2" [51] DIA. CONDUIT HOLE FOR 3 PHASE POWER AND GROUND.
- (10) COOLING FAN FOR IGBT HEATSINK ASSEMBLY.
- (1) WEATHER TIGHT, RJ45 CONNECTOR FOR NWL HMI CONNECTION.
- (12) LIFTING HOOKS (4 PLACES).
- H.V. SWITCH MECHANISM W/ VIEWING WINDOW AND (13) INTERLOCK PROVISIONS. SEE DWG A105811.
- BOTTOM EXIT DUCT FLANGE, 22.63" [575] O.D. X 19.00" [483 (14) I.D. w/ (12) 0.50" [12.7] DIA. HOLES EQUALLY SPACED ON A
- 21.44" [545] DIA. BOLT CIRCLE (GASKET NOT INCLUDED). (15) S.S. GROUND CABLE TO GROUND EACH SECTION, INCLUDING ACCESS COVERS.
- (16) HIGH VOLTAGE SEMI-OUTDOOR BUSHING, SEE DETAIL 'A'.
- OPTIONAL METRIC ADAPTER FOR H.V. BUSHING CONNECTION.
- (17) OPTIONAL METRIC ADAFTER FOR THE F
- (18) EQUIPMENT SAFETY GROUND TERMINATION, 3/8-16 GROUND BOSS.
- (19) OPTIONAL SUN SHIELD MUST BE SHIPPED SEPARATELY AND INSTALLED IN THE FIELD.

ALL DIMENSIONS IN INCHES [mm]		
NWL 312 RISING SUN RD BORDENTOWN, NJ 08505 TEL. (609) 298-7300 FAX. (609) 298-1982		
TITLE: HF ESP, POWERPLUS SERIES 7.5, 28-35kW UNITS, w/ GROUND SWITCH		
SCALE:	APP'D BY:	REVISION
N/A	RJK	^{DATE:} 2/15/19
DWG BY:	D.E.	DWG:
SDE	RJK	28-35RD_S7.5
TOLERANCES: (UNLESS OTHERWISE SPECIFIED) ANGLES +/- 5 DEG DECIMALS .X +/- 0.1 DECIMALS .XX +/- 0.05 FRACTIONS +/- 3/16 DECIMALS .XXX +/- 0.015		NWL PROPRIETARY INFORMATION. NOT TO BE REPRODUCED WITHOUT WRITTEN CONSENT
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