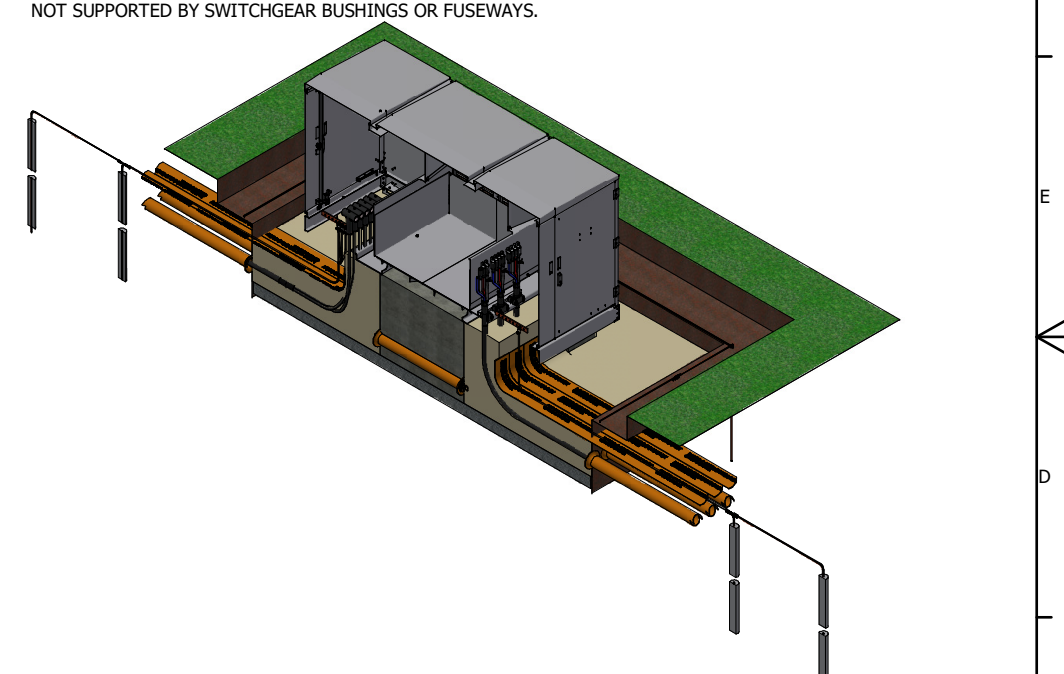
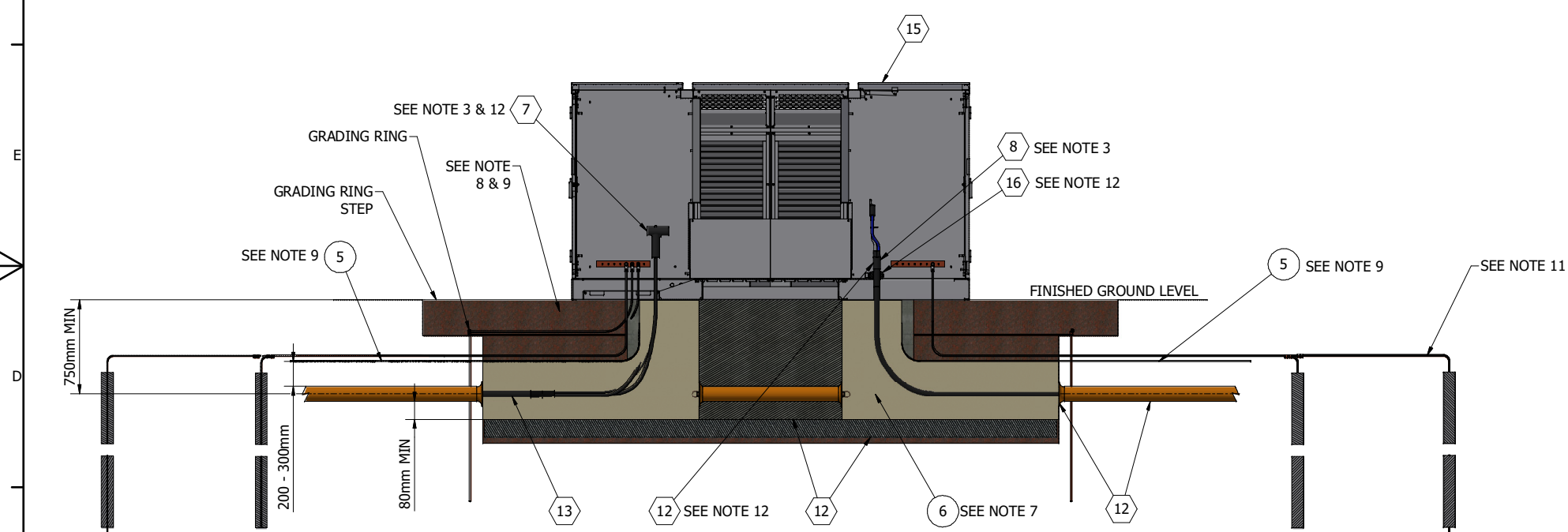


NOTES:

1. FOR SITE EXCAVATION AND PLINTH DETAILS, REFER TO DRAWING D303-0010.
2. ALL LABELLING MUST BE VERIFIED ON-SITE.
3. ALL CABLE TERMINATIONS MUST BE MADE AT THE FUSEWAY OR BUSHING NOMINATED IN THE SITE SPECIFIC DESIGN.
4. ANY VARIATION TO THE SITE SPECIFIC DESIGN MUST BE DONE SO IN CONSULTATION WITH, AND APPROVED BY THE PROJECT ENGINEER PRIOR TO ENERGISATION.
5. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SHOWN.
6. PADMOUNT SUBSTATION EARTHING TYPE SHALL BE SELECTED BY ASSESSMENT AT THE DESIGN STAGE IN ACCORDANCE WITH THE EVOENERGY EARTHING DESIGN MANUAL P007127.
7. CABLES AND EARTHING CONDUCTORS MUST BE BACKFILLED WITH BEDDING SAND COMPLIANT WITH THE EVOENERGY QUARRY PRODUCTS AND RAW MATERIALS TECHNICAL SPECIFICATION P007330.
8. BACKFILL MUST CONTAIN NO ROCKS, RUBBISH, VEGETATION, TIMBER, CONTAMINANTS OR SHARP MATERIAL.
9. CABLES MUST BE COVERED WITH POLYMERIC WARNING TAPE IN THE EXCAVATED AREA BETWEEN THE TERMINATION OF THE UNDERGROUND CONDUIT AND THE POINT WHERE THE CABLES RISE VERTICALLY TO THE TERMINATION, 150mm ABOVE THE UNDERSIDE OF EACH CABLE.
10. BACKFILL MUST BE COMPACTED IN ACCORDANCE WITH THE EVOENERGY CIVIL WORKS MANUAL (P00792).
11. SEPARATE EARTHING SYSTEM FOR ILLUSTRATION PURPOSES ONLY. EARTHING SYSTEM TO BE DETERMINED BY ASSESSMENT IN ACCORDANCE WITH THE EVOENERGY EARTHING DESIGN MANUAL (P007127).
12. CABLES MUST BE SECURELY CLAMPED TO THE HV SWITCHGEAR USING THE INTGRAL CABLE CLAMPS AND TO THE LV SWITCHBOARD WITH APPROPRIATELY SIZED POLYMER CLEATS PRIOR TO TERMINATION. ENSURE CABLE WEIGHT IS NOT SUPPORTED BY SWITCHGEAR BUSHINGS OR FUSEWAYS.



ITEM	UA TYPE	DESCRIPTION	STOCK CODE	QTY	DRAWING NO
1	P	ASSET NUMBER PLATE, SUBSTATION, SWITCHING STATIONS, GAS SWITCH RECLOSER	-	1	D107-0011
2	P	CABLE, 240mm ² , 4C, SECTOR, STRANDED AI, 0.6/1kV, XLPE, 90° STRANDED H68 AI, XLPE INSULATED, TAPED PVC SHEATHED	1156172	AR	D102-0007
3	P	LABEL, CABLE DESTINATION, 40 x 75mm	-	AR	D107-0013
4	P	LABEL, CABLE DESTINATION, 40 x 140mm	-	AR	D107-0014
5	P	CABLE PROTECTION COVER, UNDERGROUND,POLYMERIC,DOUBLE SIDED. 200mm WIDE, MANUFACTURED IN ACCORDANCE WITH ASNZ4702-2000	1153882	AR	D103-0140
6	P	BEDDING SAND AS PER EVOENERGY QUARRY PRODUCTS AND RAW MATERIALS TECHNICAL SPECIFICATION	-	AR	D109-0004
7	P	CONNECTOR, SEPARABLE BOLTED TEE, 11KV 630A, TYPE C INTERFACE, FOR 240mm ² XLPE CABLE, M16 SHEAR BOLT LUG, 3ph KIT	1208972	AR	D103-0174
8	S	SA, TERMINATIONS, 240mm ² AL 4 CORE INDOOR TERMINATION	-	AR	D302-0014
9	S	SA, EARTHING, CMEN EARTHING WITH GRID PADMOUNT SUBSTATION	-	AR	D303-0012
10	S	SA, EARTHING, CMEN EARTHING WITH ELECTRODES HV & LV PADMOUNT SUBSTATION	-	AR	D303-0011
11	S	SA, EARTHING, CMEN EARTHING WITH GRID PADMOUNT SUBSTATION	-	AR	D303-0012
12	S	SA, FOUNDATIONS, 500kVA - 1500kVA SUBSTATION FOUNDATION UNIVERSAL H PLINTH	-	1	D303-0023
13	I	INTERFACE, HV CABLE TERMINATION TO SUIT	SELECT	AR	D199-0011
14	I	INTERFACE, HV CABLE, 3C, 240-400mm ² SCREENED TO SUIT	SELECT	AR	D199-0008
15	I	INTERFACE, PADMOUNT SUBSTATION TO SUIT	SELECT	1	D199-0005
16	I	INTERFACE, CLEAT TO SUIT	SELECT	AR	D199-0002

G	IMAGE UPDATED	JJP	WNI	26/09/2014
H	IMAGE UPDATED- C CRIMP, NOTES AND EVOENERGY BRANDING	NAA	WJC	23/02/2021
I	NOTES, TITLE AMENDED & ITEM 15 CORRECTED- KV	NAA	WJC	16/09/2022
J	ADDED CLEATS TO BOM	JJP	NAA	30/05/2024
No.	DESCRIPTION	OKD	AUTH	DATE

evoenergy

Drawn:	M. Barrett
Designed:	
Checked:	S. Piyatilake 28/01/2020
Branch Engineer:	W. Cleland 23/02/2021
Branch Manager:	
Old Drawing No. and Revision:	Rev

STANDARD CONSTRUCTION, DISTRIBUTION
UNDERGROUND, STATIONS,
CA, PADMOUNTS,
500kVA - 1500kVA PADMOUNT SUBSTATION

Scale:	1:25	Date:	3/06/2014	Sheet No.:	1/1
Project No.:		Stock Code:			
Status:	Current				
Alt	D303-0007	Rev	J		