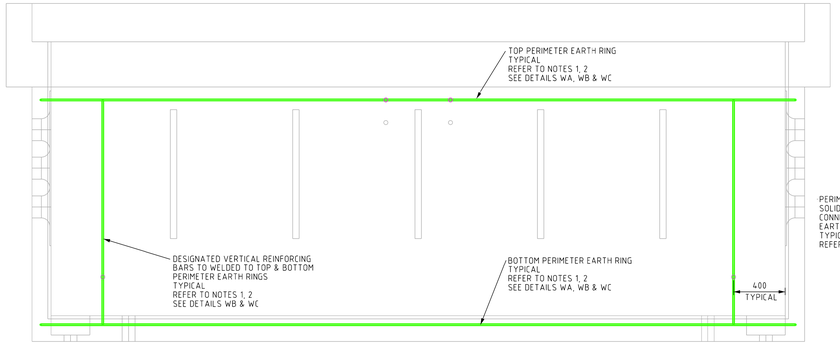
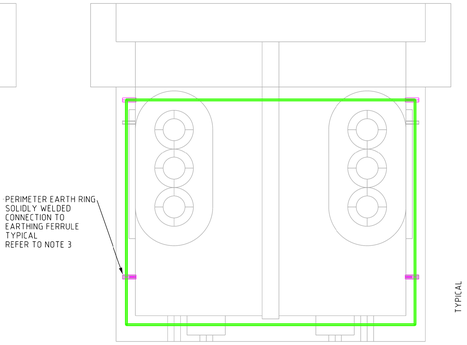
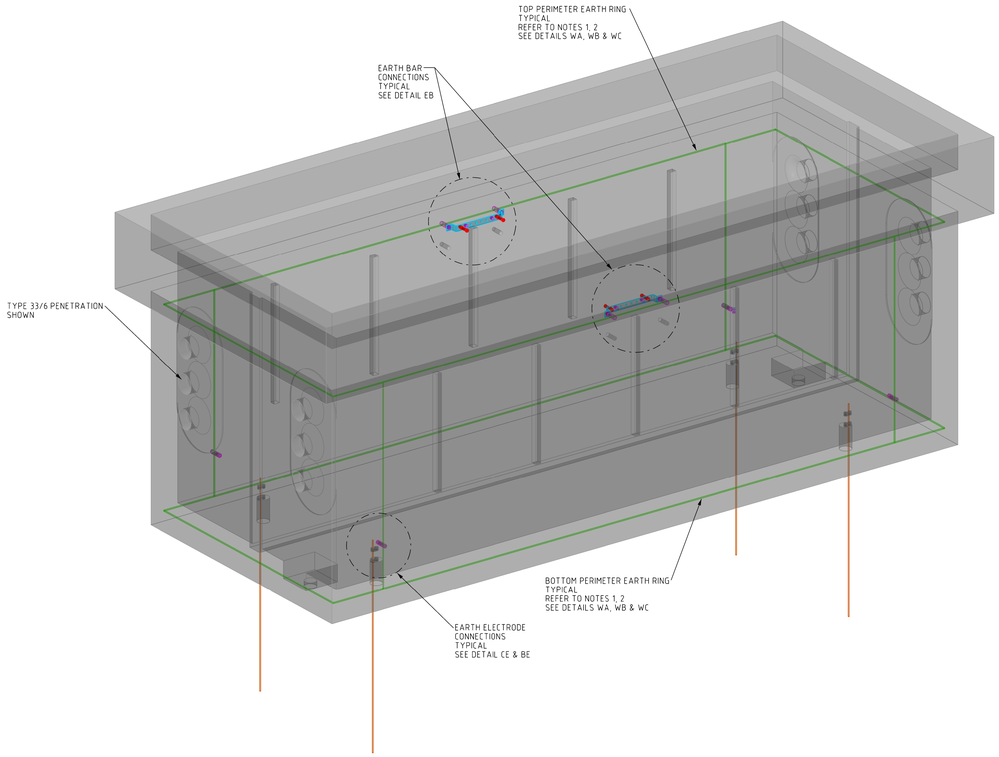


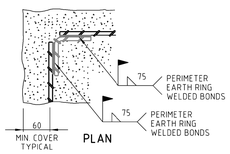
JOINT BAY - EMBEDDED EARTHING DETAIL - SIDE VIEW



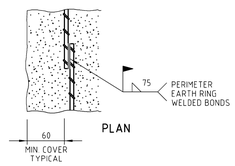
JOINT BAY - EMBEDDED EARTHING DETAIL - FRONT VIEW



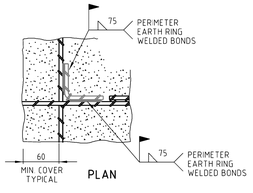
JOIN BAY - EARTHING DETAIL - OVERVIEW



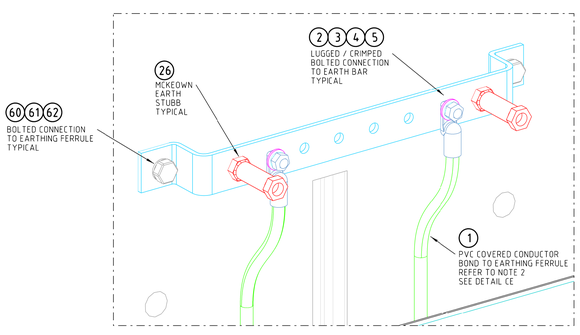
WELDED 90° CONNECTION IN REINFORCING BARS (TO FORM EARTH RING) DETAIL (WA)



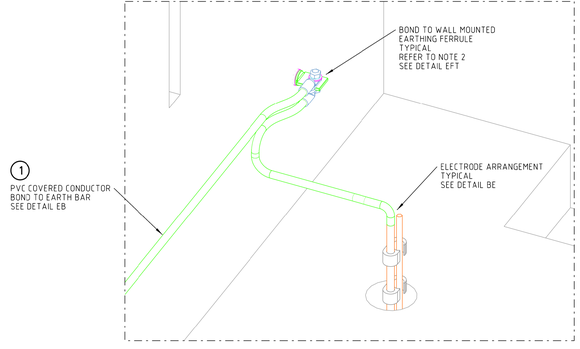
WELDED OVERLAP CONNECTION IN REINFORCING BARS (TO FORM EARTH RING) DETAIL (WB)



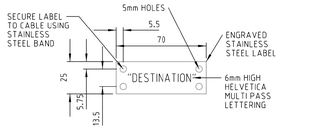
WELDED INTERSECTION CONNECTION IN REINFORCING BARS (TO FORM EARTH RING) DETAIL (WC)



EARTH BAR CONNECTIONS DETAIL (EB)

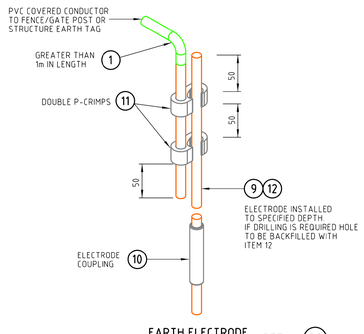


CONNECTION TO ELECTRODE DETAIL (CE)

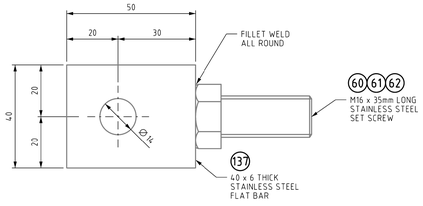


EARTH CONDUCTOR ENGRAVED STAINLESS STEEL LABEL DETAIL (LC)

ADVICE ON LABELLING NOMENCLATURE PROVIDED ON REQUEST - PH: 02 4951 9636



EARTH ELECTRODE DIRECT BURIED DETAIL (BE)



EMBEDDED FERRULE TAG DETAIL (EFT)

NOTES:

1. THE TOP LAYER OF CONCRETE REINFORCEMENT BARS ARE TO BE WELDED TO FORM A CONTINUOUS ELECTRICAL PATH KNOWN AS PERIMETER EARTH RING. ADD EXTRA BAR TO FACILITATE THE WELDING OF PERIMETER EARTH RINGS WHERE NECESSARY.
2. FOR ALL PIT CONSTRUCTION DETAILS AND LOCATION OF EARTHING FERRULES REFER TO DRAWING 220317.

CONSTRUCTION ISSUE

MATERIALS LIST

ITEM NO.	ITEM	DESCRIPTION	STOCK CODE	PRODUCT CODE	QTY.
137	EMBEDDED FERRULE TAG	STAINLESS STEEL GRADE TAG FOR EMBEDDED FERRELE FLAT BAR 40 x 6mm: STAINLESS STEEL GRADE 316			AS REQD
62	FASTENERS WASHER	FASTENERS - WASHER - M16 BELLEVILLE STAINLESS STEEL GRADE 304		JBS 02750352	1 PER BOLT
61	FASTENERS WASHER	FASTENERS - WASHER - M16 FLAT STAINLESS STEEL GRADE 316		JBS 03756306	2 PER BOLT
60	FASTENERS BOLT & NUT	FASTENERS - BOLT & NUT - M16 HEX STAINLESS STEEL GRADE 316 - LENGTH TO SUIT			AS REQD
26	EARTH STUBB	EARTH STUBB - MC KEOWN REF DRAWING A3-520088	H108415		AS REQD
12	EARTHING COMPOUND	EARTHING COMPOUND - "GOOD EARTH" 15KG BAG USE AROUND ELECTRODE IN PIT	99861	JBS 02342012	AS REQD
11	CONNECTOR COMPRESSION	CONNECTOR - 070mm² BURNDY STYLE YGHP C/CRMP	H31699	BURNDY YGHP29C26	AS REQD
10	ELECTRODE COUPLING	ELECTRODE COUPLING - Ø15mm BRASS	H31649	ERICO CC58	1 MIN. & AS REQD
9	ELECTRODE ROD	ELECTRODE ROD - Ø15mm - 1800 LONG COPPER CLAD	H31631	ERICO 615860EA	2 MIN. & AS REQD
5	FASTENERS WASHER	FASTENERS - WASHER - M12 BELLEVILLE STAINLESS STEEL GRADE 304			1 PER BOLT
4	FASTENERS WASHER	FASTENERS - WASHER - M12 FLAT STAINLESS STEEL GRADE 316	49429	JBS 02750255	2 PER BOLT
3	FASTENERS BOLT & NUT	FASTENERS - BOLT & NUT - M12 HEX STAINLESS STEEL GRADE 316 LENGTH TO SUIT		JBS 03756209	AS REQD
2	LUG COMPRESSION	LUG - 070mm² M12 TINNED COPPER HEX COMPRESSION	74831	UTILUX H1423/25	AS REQD
1	CONDUCTOR	CONDUCTOR - 070mm² STRANDED COPPER - BLACK PVC COVERED	60111		AS REQD

ASSOCIATED DRAWINGS

TYPE 33/6 JOINTING ARRANGEMENT AND PIT ASSEMBLY	226813
TYPE 33/6 PIT CONSTRUCTION DETAILS	220317

AMENDMENTS		
CAD DRAWING DO NOT MANUALLY AMEND	APP'D	DATE
DWN DINESH GAMAGE		
CHKD PETER WOLOSZYN		
	1	23/01/2012 ADDED FERRULE TAG

Ausgrid
DESIGN & ENGINEERING BRANCH
145 NEWCASTLE RD WALLSEND, NSW 2287
Ph 02 4951 9388
Fax 02 4951 9389

SCALE	NTS
DESIGNED	PETER WOLOSZYN
DRAWN	DINESH GAMAGE
CHECKED	CAMERON SHORTLAND
APPROVED	CAMERON SHORTLAND
DATE	21/11/11
PROJECT NUMBER	SJ-05931
PROJTRAK NUMBER	

PRECAST 33kV JOINT BAY
6m x 2.4m WITH REMOVABLE RISER AND LID TYPE 33/6 & 33/2
CIVIL WORKS EMBEDDED AND ELECTRICAL EARTHING LAYOUT AND DETAILS

SIZE B1 | DRAWING No 212446 | SHEET 01 | AMD 1

20110923

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