



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. WHERE PERIMETER EARTH RING IS WELDED IN CONCRETE TO FORM EARTHING FOR STRUCTURES AND EQUIPMENT, IT IS TO BE BONDED TO THE EARTH GRID CONNECTIONS TO CONCRETE SLAB REINFORCEMENT VIA EARTH TAGS OR WELDED CRIMPED CONNECTION WELDED TO PERIMETER EARTH RING. THESE WELDS ARE TO BE INSPECTED & TESTED BY THE DESIGNER PRIOR TO POURING CONCRETE (48hrs NOTICE REQUIRED).
3. REINFORCING TO BE SOLIDLY WELDED FROM CONCRETE PILES TO BASEMENT AND FROM BASEMENT TO GROUND FLOOR AT LOCATIONS SHOW.
4. LOCATE EARTH TAGS ON BASEMENT CEILING, SLABS AND WALLS AT NOMINAL LOCATIONS ON SITE WITH DESIGNER.
5. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING 236805 SHEETS 1 & 2 FOR CONDUCTOR & LUG SIZES REFER TO SITE SPECIFIC EARTHING DESIGN DOCUMENT.
- 6.
- 7.

CONSTRUCTION ISSUE

157	RUBBER GASKET	3mm NEOPRENE RUBBER GASKET			
156	RUBBER GASKET	3mm EPDM RUBBER GASKET			
155	CONDUCTOR CLAMP	P CLIP - 70mm <sup>2</sup> PVC CONDUCTOR CLAMP - Part No SSCMPC10 - SS PVC COATED			PACIFIC COMPONENTS
154	ROOF SHEET CLAMP	KLIPKLAMP 700 HORIZONTAL ALUMINIUM (TO SUIT KLIP LOK 700 SHEETING)			LADDER TECHNOLOGIES
76	COPPER BAR	TINNED HD COPPER - 50.8 x 3.18mm	179661		PRIMARY METALS & ALLOYS
71	FASTENERS WASHER	FASTENERS - WASHER - M8 FLAT STAINLESS STEEL GRADE 316	48395		JAMES GLEN 4815
70	FASTENERS BOLT & NUT	FASTENERS - BOLT & NUT - M8 HEX STAINLESS STEEL GRADE 316 25mm LENGTH	47381		EXAFAST HMC08025GN
29	LUG COMPRESSION	DUAL HOLE / DOUBLE CRIMP LUG 70mm <sup>2</sup> M12 TINNED COPPER HEX COMPRESSION	179967		CABAC CAL70LPB1230EA
5	FASTENERS WASHER	FASTENERS - WASHER - M12 BELLEVILLE STAINLESS STEEL GRADE 304	175903		JAMES GLEN 3543
4	FASTENERS WASHER	FASTENERS - WASHER - M12 FLAT STAINLESS STEEL GRADE 316	49429		JAMES GLEN 4620
3	FASTENERS BOLT & NUT	FASTENERS - BOLT & NUT - M12 HEX STAINLESS STEEL GRADE 316	VARIOUS		VARIOUS
2	LUG COMPRESSION	LUG - 070mm <sup>2</sup> M12 TINNED COPPER HEX COMPRESSION	74631		UTILUX H1423/25
1	CONDUCTOR	CONDUCTOR - 070mm <sup>2</sup> STRANDED COPPER - BLACK PVC COVERED	60111		PRYSMAAN 5014730
ITEM NO.	ITEM	DESCRIPTION	SAP CODE	MANUFACTURER	STD ORDER



145 NEWCASTLE RD WALLSEND, NSW 2287

SCALE	NTS
DESIGNED	AARON BULBERT
DRAWN	AARON BULBERT
CHECKED	WIN GERRITSEN
APPROVED	MICHAEL GRIFFITHS
DATE	26/11/14
PROJECT NUMBER	E&I NS
PROJ/TRA NUMBER	

EARTHING & INSULATION COORDINATION			
STANDARD CONSTRUCTION			
CIVIL WORKS			
GENERAL EMBEDDED EARTHING			
DETAILS			
SIZE	DRAWING No	SHEET	AMD
B1	236805	03	3

CAD DRAWING	DO NOT MANUALLY AMEND
A. H. E. N. D. R. E. N. I. S.	
DWN SPEKIER PASCOE	
CHKD ASHOK PARSOTAM	
APP'D MICHAEL GRIFFITHS	
DATE: 06/12/2019	
DETAIL WS2 ADDED	
GENERAL UPDATE	
1	
DWN RAY DEAL	
CHKD ASHOK PARSOTAM	
APP'D MICHAEL GRIFFITHS	
DATE: 29/04/2019	
DETAIL RLS ADDED	
2	
DWN RAY DEAL	
CHKD ASHOK PARSOTAM	
APP'D MICHAEL GRIFFITHS	
DATE: 30/04/2019	
DETAILS A & B ADDED	
3	