



CONSTRUCTION ISSUE

NOTES:

1. CONNECTION FROM EARTH GRID AND EARTH ELECTRODES TO BE INSTALLED WITH INSULATION INTACT TO INHIBIT CORROSION
2. ALL PVC COVERED CONDUCTORS SHOULD BE PROTECTED DURING WELDING OPERATIONS
3. ALL COMPRESSION LUGS TO BE TERMINATED USING CORRECT HEXAGONAL DIES
4. ALL DIMENSION ARE IN MILLIMETRES UNLESS NOTED OTHERWISE. DO NOT SCALE, DIMENSIONS TAKE PRECEDENCE
5. FENCE BONDING EARTH TAGS SHALL BE DRILLED AND WELDED TO FENCE /GATE POSTS PRIOR TO HOT DIP GALVANISING
6. WHERE WELDING OR DRILLING IS TO BE CARRIED OUT ON SITE ALL WELDS TO BE CLEARED OF SLAG, WIRE BRUSHED AND PAINTED WITH COLD GALVANISING PAINT
7. ALL CONNECTIONS TO EARTH TAGS TO BE CLEARLY & PERMANENTLY LABELLED WITH (CABLE DESTINATION. SEE DETAIL LC
8. ENSURE THE CONDUCTOR IS THE MINIMUM LENGTH REQUIRED AND HANGS DOWNWARDS TO PREVENT UNNECESSARY STRESS ON CABLE AND INHIBIT THE INGRESS OF MOISTURE INTO CRIMP CONNECTIONS
9. FOR CONDUCTOR, CRIMP & LUG SIZES REFER TO SITE SPECIFIC DESIGN DOCUMENT
10. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING 236804 SHEET 1

ITEM NO.	ITEM	DESCRIPTION	SAP CODE	MANUFACTURER	STD ORDER QTY.
106	COPPER ROD	ø12.7mm H.D.H.C ROD			
76	COPPER BAR	TINNED HD COPPER - 50.8 x 3.18mm	179661	PRIMARY METALS & ALLOYS	4 Metres
66	COPPER STRAP	ANNEALED COPPER STRAP - 38 x 3.18mm	H36348		
23	LUG COMPRESSION	LUG - 120mm ² M12 TINNED COPPER HEX COMPRESSION	57836	UTLUX H1382/25	25 Pk.
21	CONDUCTOR	CONDUCTOR - 120mm ² STRANDED COPPER - BLACK PVC COVERED	175281	OLEX - BDBP 23AA001CXNA	100m ROLL
13	CABLE PROTECTOR	CABLE PROTECTOR - 150mm x 20m ROLL COVER MARKED "ELECTRICAL CABLE"	151084	KEY PLASTICS ENEG151084A	20m ROLL
8	CONDUCTOR	CONDUCTOR - 070mm ² FLEXIBLE COPPER WELDING	60194	JR TURKS TRIFW001070	100m ROLL
5	FASTENERS WASHER	FASTENERS - WASHER - M12 BELLEVILLE STAINLESS STEEL GRADE 304	175903	JAMES GLEN 3543	100 Pk.
4	FASTENERS WASHER	FASTENERS - WASHER - M12 FLAT STAINLESS STEEL GRADE 316	49429	JAMES GLEN 4620	100 Pk.
3	FASTENERS BOLT & NUT	FASTENERS - BOLT & NUT - M12 HEX STAINLESS STEEL GRADE 316 LENGTH TO SUIT	VARIOUS	VARIOUS	N/A
2	LUG COMPRESSION	LUG - 070mm ² M12 TINNED COPPER HEX COMPRESSION	74831	UTLUX H1423/25	25 Pk.
1	CONDUCTOR	CONDUCTOR - 070mm ² STRANDED COPPER - BLACK PVC COVERED	60111	PRYSMAN 5014730	100m ROLL



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SCALE	NTS
DESIGNED	AARON BULBERT
DRAWN	JOHN GITTOES
CHECKED	WIN GERRITSEN
APPROVED	MICHAEL GRIFFITHS
DATE	28/11/14
PROJECT NUMBER	E&IC-NS
PROJTRAK NUMBER	

EARTHING & INSULATION COORDINATION
STANDARD CONSTRUCTION
ELECTRICAL EARTHING
GENERAL EARTHING DETAILS

SHEET	02
AMOUNT	3

CAD DRAWING	1
DO NOT MANUALLY REVISION	
BY: R. E. N. D. R. E. N. D. S.	
DATE: 24/04/2018	
DETAIL BJC ADDED	
DATE: 01/05/2018	
DETAIL BJC NOTES ADDED, BOM UPDATED	
DATE: 14/05/2020	
DETAILS VGB & PGB ADDED, BOM UPDATED	