



- NOTES:**
- CONNECTION FROM EARTH GRID AND EARTH ELECTRODES TO BE INSTALLED WITH INSULATION INTACT TO INHIBIT CORROSION
 - ALL PVC COVERED CONDUCTORS SHOULD BE PROTECTED DURING WELDING OPERATIONS
 - ALL COMPRESSION LUGS TO BE TERMINATED USING CORRECT HEXAGONAL DIES
 - ALL DIMENSION ARE IN MILLIMETRES UNLESS NOTED OTHERWISE. DO NOT SCALE, DIMENSIONS TAKE PRECEDENCE
 - FENCE BONDING EARTH TAGS SHALL BE DRILLED AND WELDED TO FENCE /GATE POSTS PRIOR TO HOT DIP GALVANISING
 - 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
 - ALL CONNECTIONS TO EARTH TAGS TO BE CLEARLY & PERMANENTLY LABELLED WITH CABLE DESTINATION. SEE DETAIL LC
 - 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
 - FOR CONDUCTOR, CRIMP & LUG SIZES REFER TO SITE SPECIFIC EARTHING DESIGN DOCUMENT
 - REFER TO SITE SPECIFIC MOUNTING DETAILS FOR CORRECT OPERATION OF MCKEOWN STUBBS MAINTAIN THE MINIMUM DIMENSIONS AND ENSURE CLEARANCE IN THE 300mm ROTATION ZONE
 - THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING 236804 SHEET 2.

NETWORK STANDARD

ITEM NO.	ITEM	DESCRIPTION	SAP CODE	MANUFACTURER	STD ORDER QTY.
26	EARTH STUBB	EARTH STUBB - MCKEOWN REF DRAWING A3-520088	H108415	TARPAAT ENGINEERING	Each
13	CABLE PROTECTOR	CABLE PROTECTOR - 150mm x 20mm ROLL COVER MARKED "ELECTRICAL CABLE"	151084	KEY PLASTICS ENEG151084A	20m ROLL
12	EARTHING COMPOUND	EARTHING COMPOUND - "GOOD EARTH" 15KG BAG USE AROUND ELECTRODE IN PIT	99861	FULTON INDUSTRIES AEE2/GE	Each
10	ELECTRODE COUPLING	ELECTRODE COUPLING - Ø15mm BRASS	H31649	ERICO CC58	Each
9	ELECTRODE ROD	ELECTRODE ROD - Ø15mm - 1800mm LONG ELECTROPLATED	H31631	ERICO 615860	Each
7	CONNECTOR COMPRESSION	CONNECTOR - Ø70mm BURNDY STYLE YGHC CRIMP 35/70mm RUN & 35/70mm TAP	177942	PREFORMED LINE PRODUCTS DC62079	Each
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



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SCALE: DESIGNED: **NTS**
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APPROVED: **WIM GERRITSEN**
DATE: **26/11/14**
PROJECT NUMBER: **E&IC-NS**

EARTHING & INSULATION COORDINATION
STANDARD CONSTRUCTION
ELECTRICAL EARTHING
GENERAL EARTHING DETAILS

SIZE: A1
DRAWING No: 236804
SHEET: 01
AMD: 0

ASSOCIATED DRAWINGS

CAD DRAWING
DO NOT MANUALLY AMEND
AMENDMENTS

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