



REFERENCE DRAWINGS

UNDERGROUND SUB. MARK 4 HATCHCOVER ARRANGEMENT	B1-28216
UNDERGROUND SUB. PERSONNEL & EQUIPMENT HATCH INSTALLATION	A1-28949
LIFTING ROPE FOR TELESCOPING LADDER & GUARD	A2-65470
SYDNEY CBD TYPE SUB. EMERGENCY PULL-OUT GEAR EQUIPMENT	B1-16500

- NOTES**
- ALL STEEL WORK TO BE FABRICATED IN ACCORDANCE WITH AS 4100.
 - AFTER FABRICATION, ALL BURRS AND SHARP EDGES TO BE REMOVED.
 - ALL WELDING TO BE IN ACCORDANCE WITH AS 1554 PART 1.
 - CONSUMABLES (ELECTRODES) SHALL BE MATCHED WITH THE STEEL TYPE IN COMPLIANCE WITH AS/NZS 1554.1 TABLE 4.6.1(A) & THE RELEVANT COLUMNS OF THE TABLE DEPENDING ON THE TYPE OF WELDING PROCESS BEING UNDERTAKEN.
 - UNLESS NOTED OTHERWISE:
 - (a) ALL WELDS SHALL BE 6mm CONTINUOUS FILLET WELDS, CATEGORY GP.
 - (b) BUTT WELDS SHALL BE CONTINUOUS FULL PENETRATION, CATEGORY SP.
 - (c) ALL WELDS TO BE CARRIED OUT IN THE SHOP UNLESS NOTED AS "WELD ON SITE".
 - WELDS SHALL BE INSPECTED TO AS/NZS 1554.1 CLAUSE 7.3 (VISUAL INSPECTION OF WORK) UNLESS THE WELDING PROCESS IS SUPERVISED AND CARRIED OUT BY QUALIFIED PERSONNEL AS DEFINED IN AS/NZS 1554.1 CLAUSE 4.12.1 AND CLAUSE 4.12.2.
 - AFTER FABRICATION, ALL WELDS TO BE CHIPPED FREE OF SLAG.
 - WHERE THE GALVANISING FINISH HAS BEEN REMOVED, AREA TO BE TREATED WITH COLD GALVANISING PAINT SIMILAR TO GALMET OR ZINCFIX. COATINGS TO BE APPLIED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
 - WHERE THE PAINTED FINISH HAS BEEN REMOVED, RETOUCH THESE AREAS WITH APPROPRIATE SIGNAL RED ENAMEL PAINT.
 - ALL BOLTS, NUTS AND WASHERS TO BE HOT DIP GALVANISED TO AS 1214.
 - ALL BOLTS TO BE GRADE 4.6/s TO AS 1111.
 - FINISHED LADDER TO BE SMOOTH, SQUARE AND PARALLEL WITHOUT RADIAL TWIST OR BOWING BETWEEN THE STILES.

ITEM	DESCRIPTION	Q'TY (per set)	DRAWING No.
21	CONNECTING PLATE	1 SET	A2-19168
20	FIXED LADDER EXTENSION	1	A2-19168
19	FIXED LADDER FLOOR PLATE	1 SET	A3-19164
18	FIXED LADDER	1	A2-19162
17	COUNTERWEIGHT - TELESCOPING LADDER	2	A3-19163
16	WIRE ROPE ANCHOR	2	A1-19126
15	GAL. STEEL WIRE 6/19 x DIA. 4mm. "SUPPLIED BY EA"	2	"ON INSTALLATION"
14	ROLLER PINS - TELESCOPING LADDER	8	A2-19137
13	PAWL - TELESCOPING LADDER	1	A2-19141
12	TELESCOPING GUARD	1	A1-19134
11	SHEAVE - COUNTERWEIGHT	2	A2-19137
10	SHEAVE - PIN	2	A2-19137
9	SHEAVE BRACKET	1 SET	A1-38631
8	LADDER BRACKET	1 SET	A1-38631
7	ISOLATION HANDLE	(INFORMATION ONLY)	B1-16500
6	TELESCOPING LADDER	1	A1-19126
5	LADDER PAWL SASH CORD "2300mm LONG"	1	"MILLER" OR EQUIV.
4	GUARD SIDE COVER & CLIPS	2	A2-19160
3	GATE LATCH	1	A2-30838
2	GATE SPRING	1	A3-19128
1	GATE	1	A2-19127

CAD DRAWING
DO NOT MANUALLY AMEND
AMENDMENTS
7. NOTES UPDATED. RUNGS WERE FLAT. NOW Ø20 & ITEM LIST UPDATED. REDRAWN ON CAD. PULL-OUT HANDLE WAS SECURED TO SHEAVE BRACKET.
P.J.H. 2.12.03
CHECKED G.A.

NETWORK STANDARD

DESIGN SERVICES
24 CAMPBELL ST SYDNEY, NSW 2000

Enerserve
A business of EnergyAustralia

SCALE	1:5
DESIGNED	OH
DRAWN	OH
CHECKED	-
APPROVED	SIGNED ON ORIGINAL
DATE	15.12.69
PRJTRK No.	-
PROJECT NUMBER	99-15-4-83

UNDERGROUND SUBSTATIONS
PERSONNEL ACCESS LADDER - MARK 4
ARRANGEMENT

DRAWING No	38630	SHEET	-	AMD	7	SIZE	B1
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