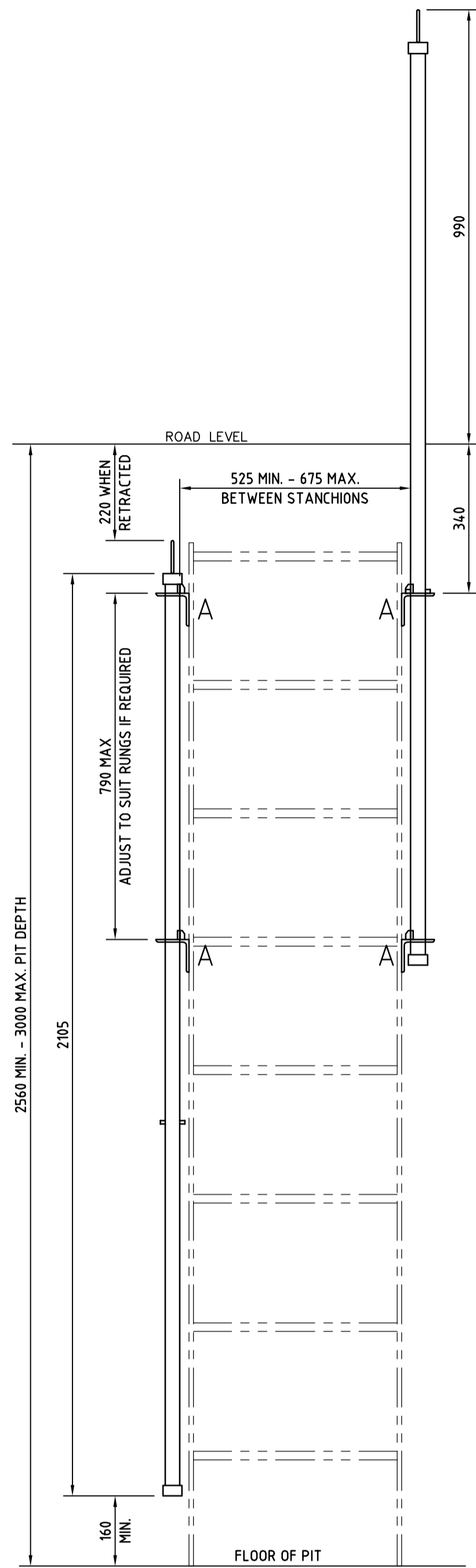
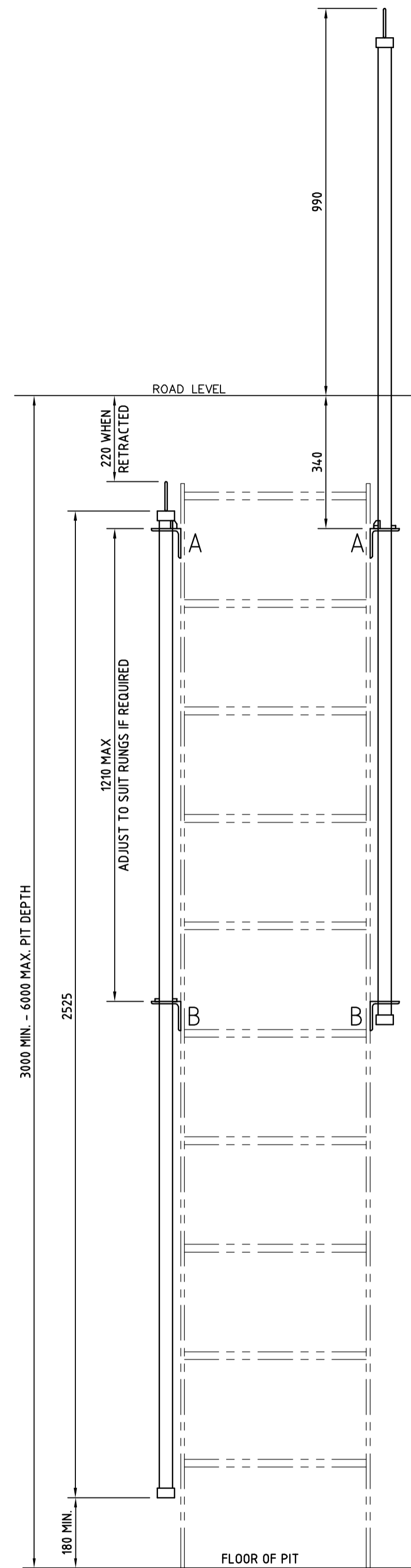


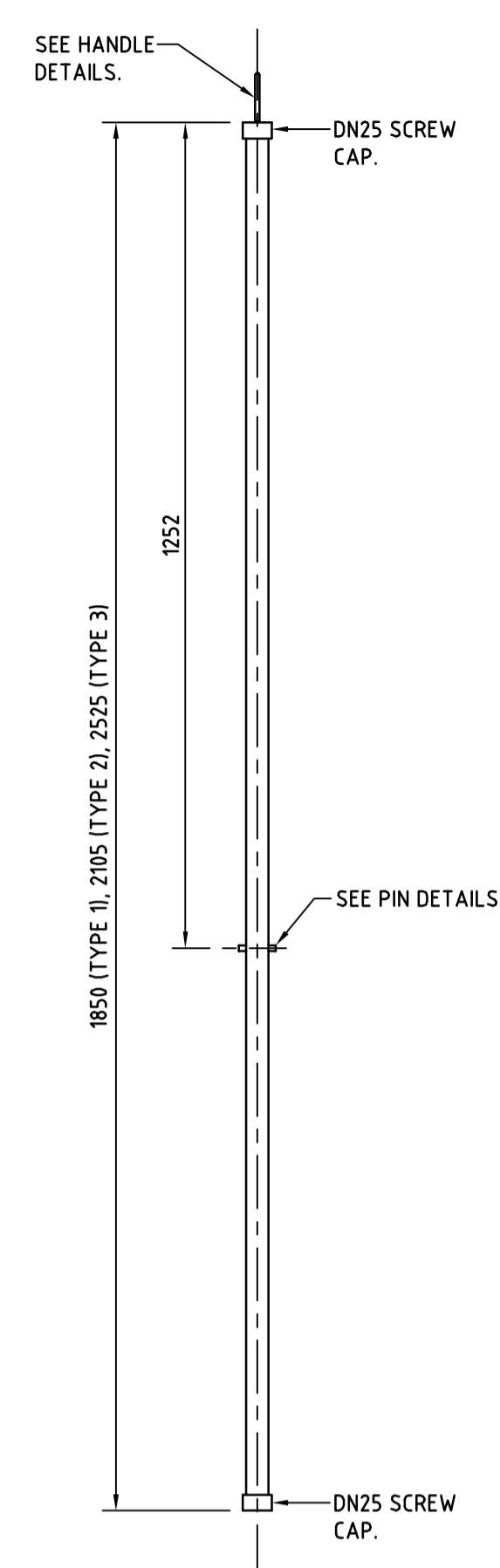
GENERAL ARRANGEMENT - TYPE 1
PIT DEPTH 2300mm TO 2560mm
 ONE HANDRAIL SHOWN EXTENDED, THE OTHER SHOWN RETRACTED.



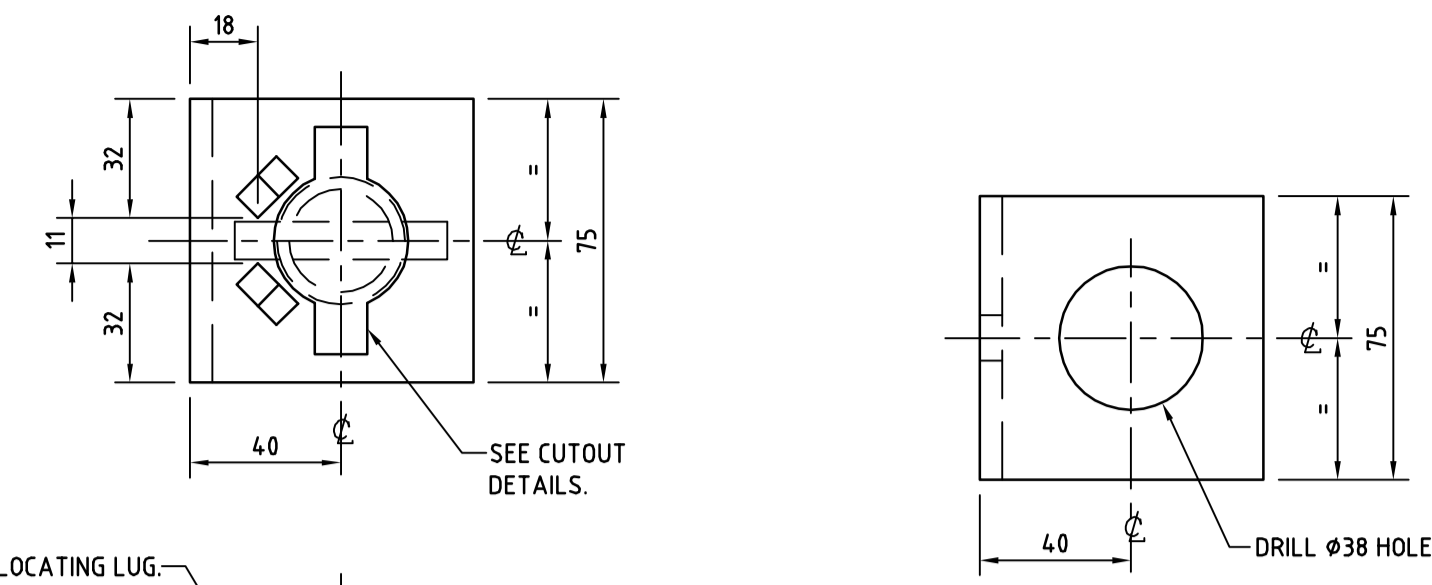
GENERAL ARRANGEMENT - TYPE 2
PIT DEPTH 2560mm TO 3000mm
 ONE HANDRAIL SHOWN EXTENDED, THE OTHER SHOWN RETRACTED.



GENERAL ARRANGEMENT - TYPE 3
PIT DEPTH OVER 3000mm
 ONE HANDRAIL SHOWN EXTENDED, THE OTHER SHOWN RETRACTED.

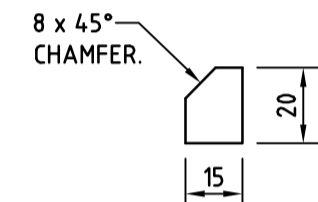


HANDRAIL DETAILS TYPE 1, 2 & 3
 MATERIAL : 33.7 O.D x 3.2mm WALL GAL. MEDIUM PIPE.

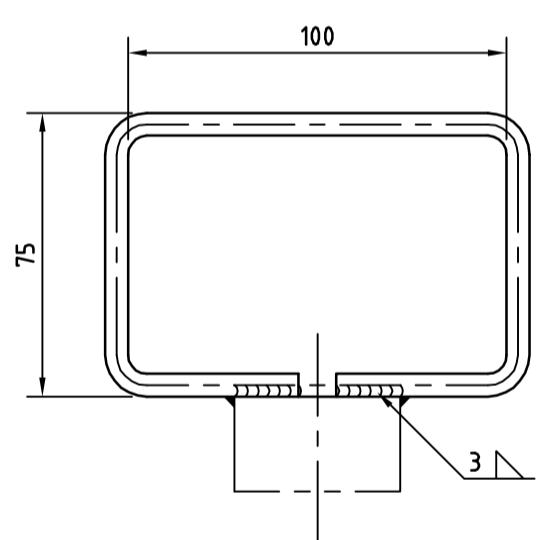


BRACKET A
 MATERIAL : 75 x 75 x 6mm THK M.S. ANGLE.

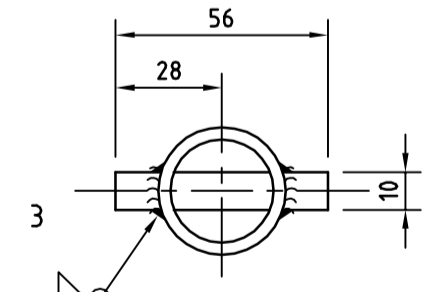
BRACKET B
 MATERIAL : 75 x 75 x 6mm THK M.S. ANGLE.



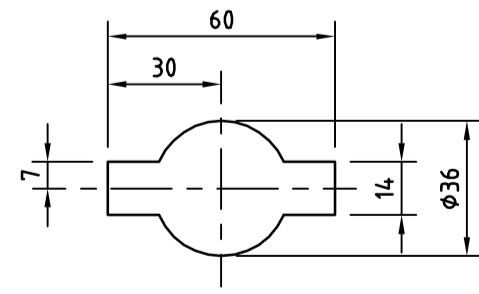
LOCATING LUG DETAILS
 MATERIAL : 8mm THK M.S.



HANDLE DETAILS
 MATERIAL : 6mm M.S. ROD



PIN DETAILS



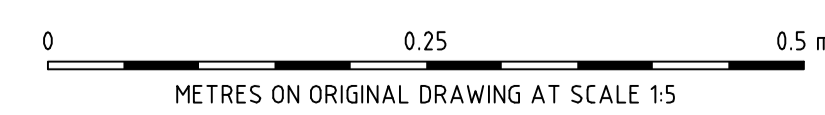
CUTOUT DETAILS

REFERENCE DRAWINGS
 STANDARD UNDERGROUND PIT LADDER A1-49813
 STANDARD UNDERGROUND PIT LADDER WITH 75 DEGREE SLOPE A1-157908

NOTES

- ALL STEELWORK TO BE FABRICATED IN ACCORDANCE WITH AS 4100.
- UNLESS NOTED OTHERWISE:
 - ALL HOT ROLLED FLATS TO BE GRADE 250 MINIMUM IN ACCORDANCE WITH AS 1594.
 - ALL HOT ROLLED SECTIONS TO BE GRADE 250 MINIMUM IN ACCORDANCE WITH AS 3679.
 - ALL HOLLOW SECTIONS TO BE GRADE C350 IN ACCORDANCE WITH AS 1163.
- 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:
 - ALL WELDS SHALL BE 6mm CONTINUOUS FILLET WELDS, CATEGORY GP.
 - BUTT WELDS SHALL BE CONTINUOUS FULL PENETRATION, CATEGORY SP.
 - 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.
- AFTER FABRICATION, ALL STEELWORK TO BE HOT DIP GALVANISED TO AS 4680.
- AFTER GALVANISING, ALL HOLES TO BE CLEARED AND SHARP EDGES TO BE REMOVED.
- WHERE THE GALVANISING FINISH HAS BEEN DAMAGED, AREA TO BE TREATED WITH COLD GALVANISING PAINT SIMILAR TO ZINCFIX. COATINGS TO BE APPLIED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
- ALL BOLTS TO BE GRADE 4.6/s TO AS 1111.
- UPON ASSEMBLY, APPLY LOCTITE NICKEL ANTI-SEIZE LUBRICANT OR EQUIVALENT TO ALL THREADED COMPONENTS. NOTE, THE COMPOUND TO BE SUITABLE FOR STAINLESS STEEL THREADS.

CAD DRAWING DO NOT MANUALLY AMEND	AMENDMENTS
1. LENGTH OF HANDRAIL ALTERED TO SUIT DIFFERENT DEPTHS OF PIT. DRAWN BY: J. SANDY PROJ No: 5010655 CHECKED: KEM	2. DISTANCE BETWEEN STANCHIONS ADDED. REF C-1 DETAIL. A HOLES & BOLTS DIA ALTERED. NEW NOTES ADDED. HANDRAIL O.D. WAS 33.7mm. DETAILS 'A', 'B' AND 'D' PIN DETAILS ALTERED. DRG FRAME ALTERED. A. CHRISTOU 12.05.04 P. HUDSON
3. ARRANGEMENT TYPES 1, 2 & 3 DETAILED TO SUIT VARYING PIT DEPTHS. MIN CLEARANCE ADDED AT BOTTOM OF STANCHION WHEN RETRACTED. NOTES 12 & 13 ALIGNED. J. SANDY 10.04.2013 APPROVED: P. HUDSON	



NETWORK STANDARD
Ausgrid
 MECHANICAL DESIGN
 570 GEORGE STREET
 SYDNEY NSW 2000

SCALE	1 : 2 , 10
DESIGNED	
DRAWN	CJS
CHECKED	KEM
APPROVED	R. MEE
DATE	16.05.1994
PRJTRK No.	
PROJECT NUMBER	

**STANDARD UNDERGROUND PITS
 RETRACTABLE HANDGRIP STANCHIONS
 TYPE 1, 2 AND 3
 ARRANGEMENT AND DETAILS**

DRAWING No **120488** SHEET 1 AMD 3 SIZE A1