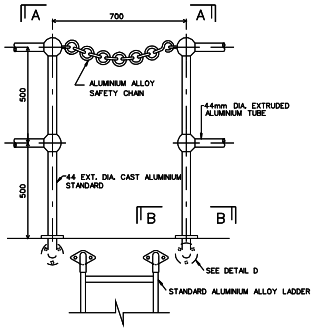
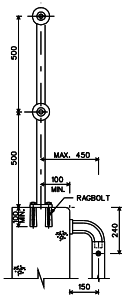
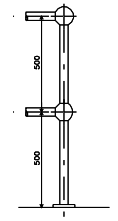


OPENING FOR ACCESS

SCALE 1 : 10

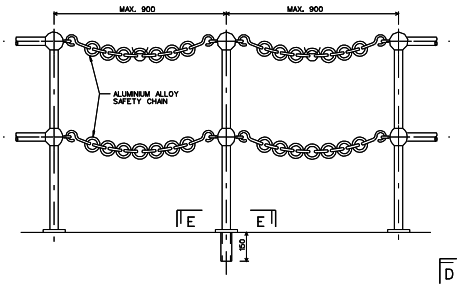


SIDE ELEVATION



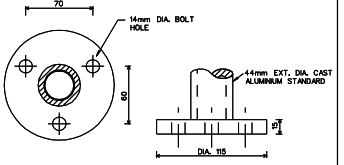
ANGLE STANDARD

SCALE 1 : 10



DETACHABLE STANDARD

SCALE 1 : 10



PLAN B - B

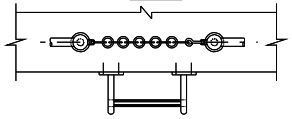
SIDE ELEVATION B - B

DETAIL OF BASE OF STANDARD

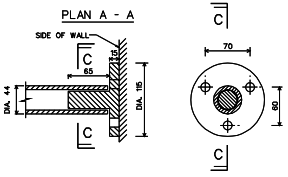
(VERTICAL MOUNTING)

SCALE 1 : 2

PLAN F - F



PLAN A - A

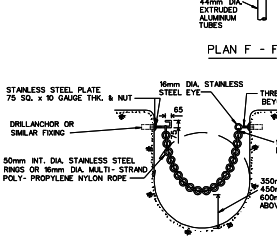


SECTION C - C

ELEVATION C - C

DETAIL OF BRACKET (WALL ATTACHMENT)

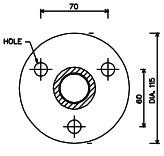
SCALE 1 : 3



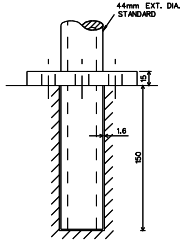
ARRANGEMENT OF SAFETY CHAIN

FOR MAIN SEWER IN MANHOLE

SCALE 1 : 20



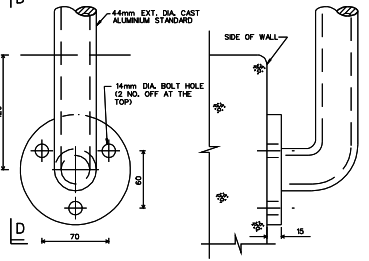
PLAN E - E



SIDE ELEVATION E - E

DETAIL OF BASE OF DETACHABLE STANDARD

SCALE 1 : 2



FRONT ELEVATION

SIDE ELEVATION D - D

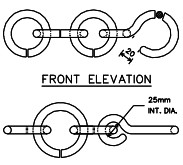
DETAIL OF BASE OF STANDARD

(SIDE MOUNTING)

SCALE 1 : 2

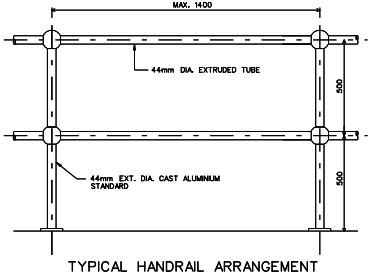
NOTES :-

1. THE ALUMINIUM ALLOY SHALL BE H 30. THE FORM OF MATERIAL FOR THE RAILS SHALL BE HT 30 TF TO B.S.1471 OR HE 30 TF TO B.S.1474 AND THE STANDARDS SHALL BE TO HF 30 TF TO B.S.1472.
2. WELDS TO BE OF A STRUCTURAL TYPE MADE BY APPROVED WELDING TECHNIQUE TO GIVE SOUND, STRONG WELDS WITH A MINIMUM THICKNESS NOT LESS THAN THE THICKNESS OF THE JOINTING MEMBERS.
3. FIXING TO HANDRAILS TO BE MADE WITH ALUMINIUM ALLOY RAGBOLTS, BOLTS AND NUTS.
4. RAGBOLTS AND BRACKET FACES IN CONTACT WITH CONCRETE ARE TO BE HEAVILY COATED WITH A BITUMEN PAINT.
5. DIAMETER OF RAGBOLTS TO BE 12mm AND DIAMETER OF BOLT-HOLES TO BE 14mm. THE RAGBOLT SHOULD BE EMBEDDED SUCH THAT THE SHANK PROTRUDES NOT MORE THAN TWO THREADS BEYOND THE HEAD OF THE NUT.
6. ALUMINIUM ALLOY HANDRAIL & SAFETY CHAIN ARE TO BE ANODISED.



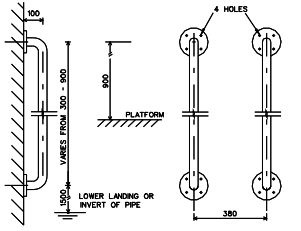
DETAIL OF 50mm INT. DIA. RING AND HOOK

SCALE 1 : 3



TYPICAL HANDRAIL ARRANGEMENT

SCALE 1 : 10



SIDE ELEVATION

FRONT ELEVATION

DETAIL OF HANDHOLD

SCALE 1 : 10

ISSUED BY WATER RECLAMATION (NETWORK) DEPARTMENT ON APR '05	SCALES AS SHOWN	DETAILS OF ANODISED ALUMINIUM ALLOY HANDRAIL AND SAFETY CHAIN	PUB WATER RECLAMATION (NETWORK) DEPARTMENT DRG. NO. PUB/WRN/STD/102

[ORIGINAL BORDER SIZE 810mm X 565mm]