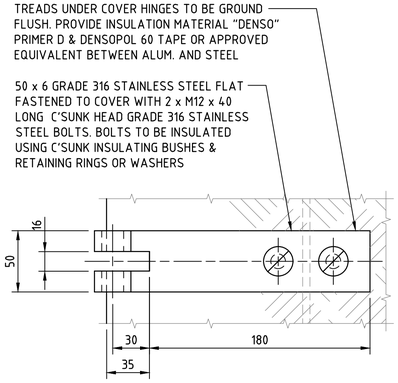
A1

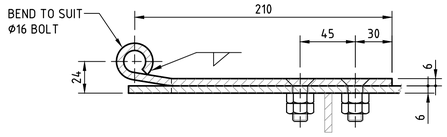
THIS DRAWING MAY ONLY BE USED IN THE COURSE OF AND FOR THE PURPOSE OF CREATING SYDNEY WATER ASSETS. USE THIS DRAWING WITH CARE. THE USER IS RESPONSIBLE FOR THE CORRECT APPLICATION OF THIS DRAWING THE USE OF DTC DRAWINGS IS SUBJECT TO TERMS AND CONDITIONS AS PUBLISHED BY SYDNEY WATER.

NOTES:

1. ALL FILLET WELDS TO BE 6mm CONTINUOUS U.N.O. ALL BUTT WELDS TO BE COMPLETE PENETRATION BUTT WELDS .
2. FLATS & ANGLES OF THE SAFETY GRILLES & COMPONENTS OF THE ACCESS HATCH FRAME SHALL BE STAINLESS STEEL GRADE 316L. WELDING OF STAINLESS STEEL TO BE IN ACCORDANCE WITH AS 1554-6 AND PICKLING PASSIVATION IN ACCORDANCE WITH ASTM A380.
3. ϕ10 BARS FOR SAFETY GRILLES SHALL BE GRADE 316L STAINLESS STEEL WITH A MINIMUM 0.2% PROOF STRESS OF 300 MPa & A MINIMUM TENSILE STRENGTH OF 500 MPa.



PLAN

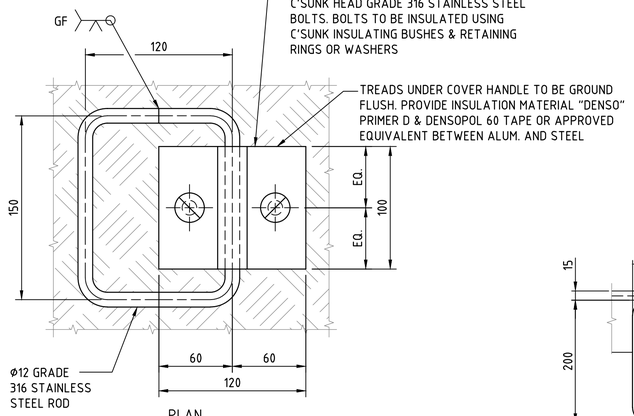


SECTION

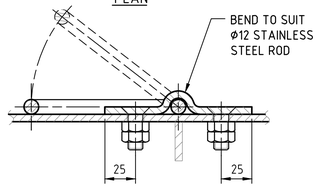
COVER HINGE

DETAIL A / SCALE 1:2.5

COVER SEAL/INSULATION OMITTED FOR CLARITY



PLAN

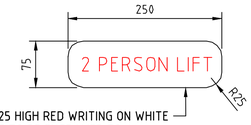


SECTION

LIFTING HANDLE

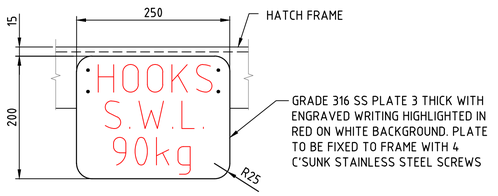
DETAIL B / SCALE 1:2.5

COVER SEAL/INSULATION OMITTED FOR CLARITY



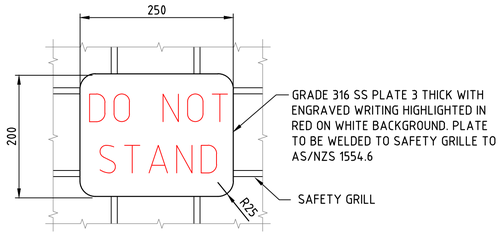
SHEET 3mm THICK WITH 25 HIGH RED WRITING ON WHITE BACKGROUND. LETTERING TO BE ENGRAVED TO A MINIMUM OF 1mm DEPTH INTO PLATE.
FOR SAFETY GRILLE, SHEET TO BE SS GRADE 316 & WELDED TO GRILLE.
FOR ACCESS COVER, SHEET TO BE ALUMINIUM ALLOY 5251 OR 5052 & WELDED TO COVER

DETAIL J / SCALE 1:5



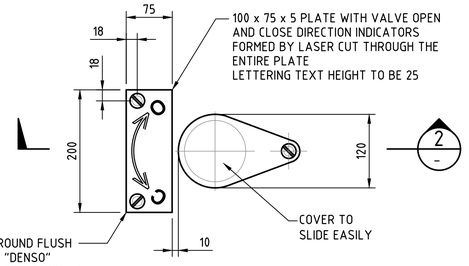
HOOK SIGNAGE

DETAIL F / SCALE 1:5



SIGNAGE

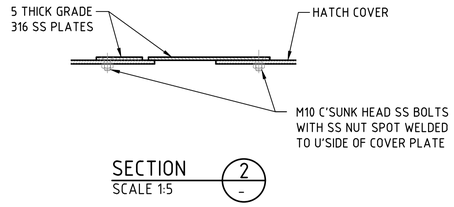
DETAIL G / SCALE 1:5



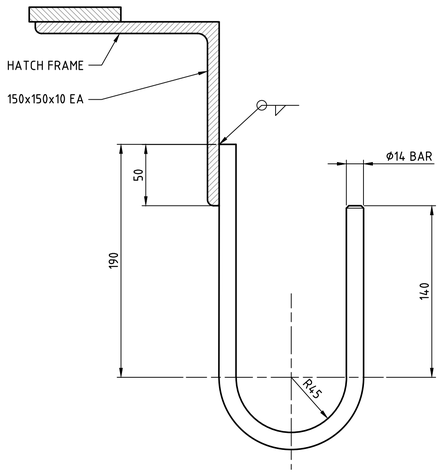
PLAN

WET WELL VALVE SPINDLE ACCESS COVER AND INDICATOR PLATE

DETAIL H / SCALE 1:5



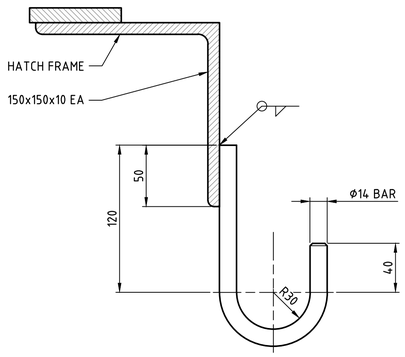
SECTION 2 / SCALE 1:5



CHAIN/CABLE HOOK

DETAIL C / SCALE 1:2.5

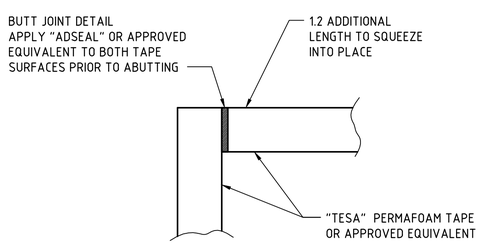
(CHAIN/CABLE HOOKS)
MATERIAL: GRADE 316 STAINLESS STEEL



INSTRUMENT/LEVEL SENSOR HOOK

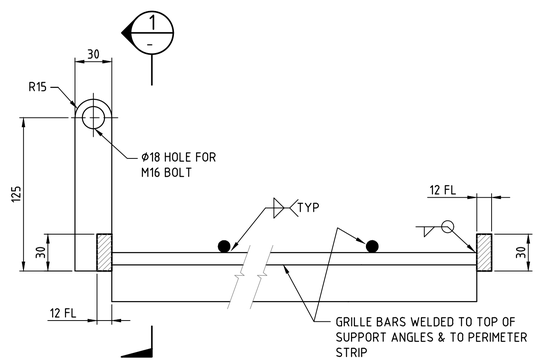
DETAIL D / SCALE 1:2.5

(INSTRUMENT/LEVEL SENSOR HOOKS)
MATERIAL: GRADE 316 STAINLESS STEEL



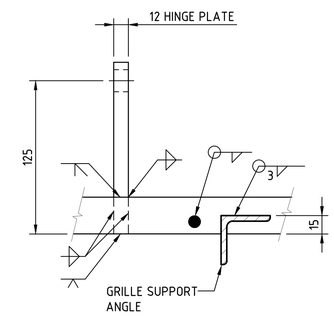
TYPICAL SEALING TAPE CORNER DETAIL

DETAIL E / SCALE 1:2.5



SECTION 4 6031 4 6037 / SCALE 1:2.5

NOTE: GRILLE SUPPORT ANGLES OMITTED FOR INSTRUMENT ACCESS HATCH 4 AND RADAR SENSOR ACCESS HATCH 5



SECTION 1 / SCALE 1:2.5

Sydney WATER

APPROVED

NORBERT SCHAEPER

MANAGER - ENGINEERING

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ENGINEERING & TECHNICAL SUPPORT

LETTER	DETAILS OF ISSUE / AMENDMENT	APP'D	DATE
A	ORIGINAL ISSUE (PREVIOUSLY DRAWING DTC/6020)	NS	25/06/21

DEEMED TO COMPLY DRAWINGS

SEWAGE PUMPING STATION
ACCESS HATCHES & SAFETY GRILLES
DETAILS

DTC
6033

ISSUE	DATE
A	25/06/21