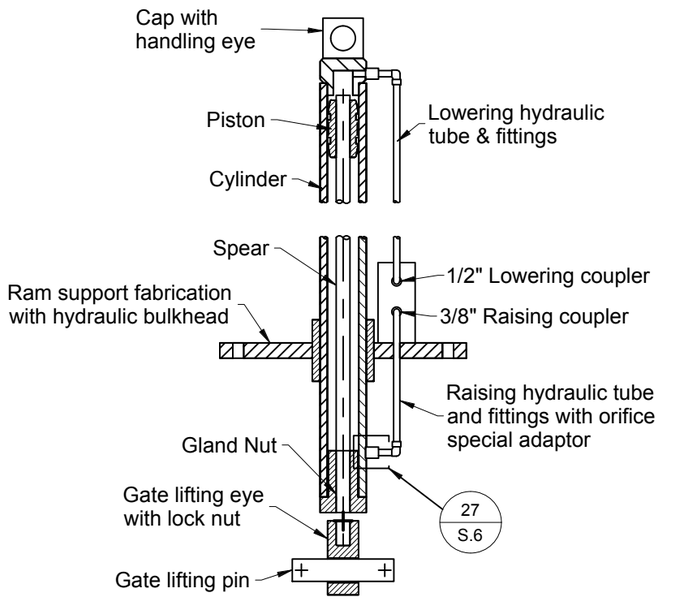
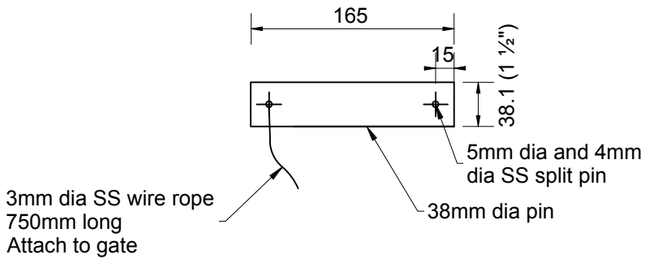
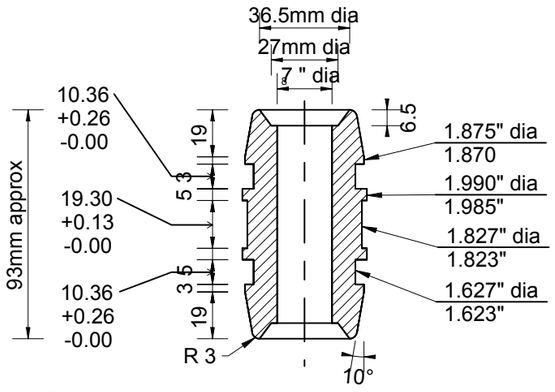


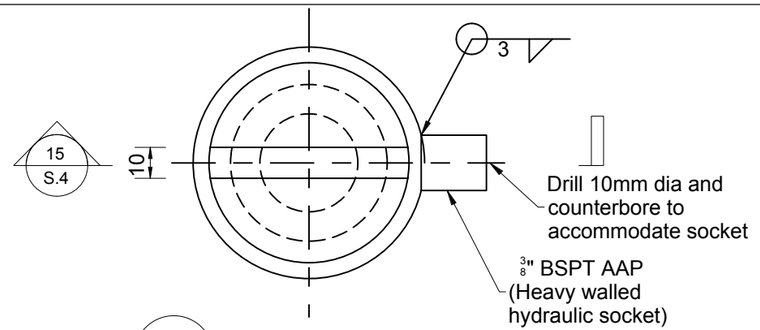
11 Centreline Section General Arrangement
1:10



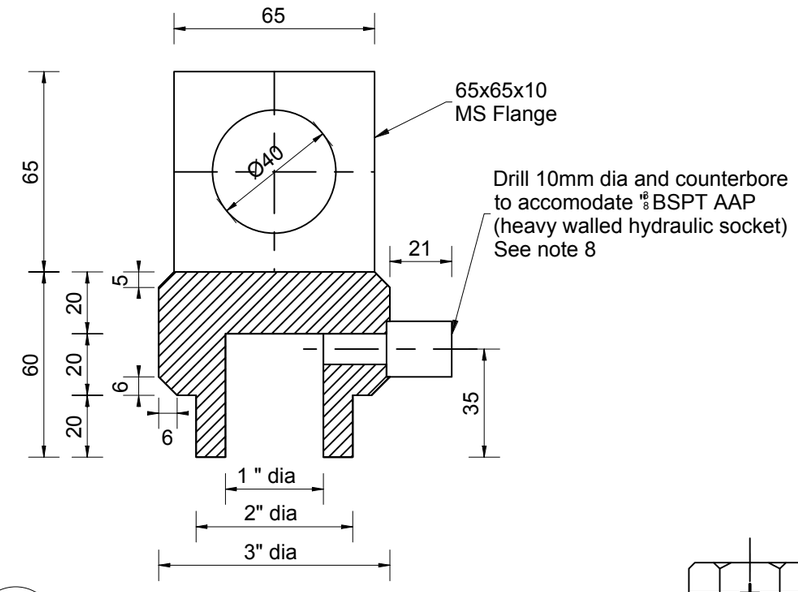
12 Gate Lifting Pin
1:5



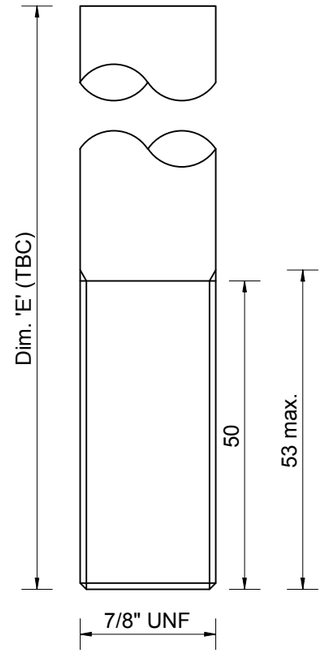
13 Piston Section
1:5
Ex. 2" dia x 3 ¾ M.S. Round



14 Cap Plan
1:2



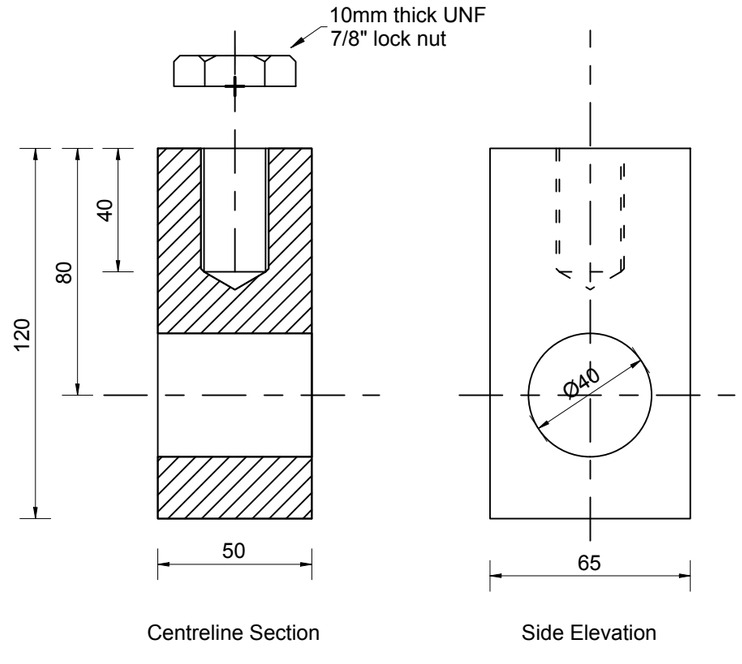
15 Cap Section
1:2
Ex. 3" dia x 60mm MS round



16 Spear
1:2
Ex. ⅞" dia hard chrome bar

NOTES

1. All dimensions are in millimetres unless otherwise shown.
2. Unless otherwise shown machining tolerances are:
   +0.000"
   -0.005"
   Except gland nut and bush inside diameter (7/8") which is to be standard as for 7/8" shaft
3. TPI: Threads per inch
4. All steel plate to AS 3678 GR300 or equivalent unless indicated otherwise.
5. Seals & Wear Rings
   Piston Pressure Seals:
   3940-0200-0187-0375
   Piston Wear Ring:
   PWR 2000-085-750
   Gland Wiper:
   Poly seal D00875
   (1 ¼" OD x ⅞" ID x 3/16")
   Gland Seal:
   Poly seal 125-00-875-250B
   (1⅛" OD x ⅞" ID x ¼")
   O-Ring:
   329-N70
   (2⅜" x 2" x ¼")
6. See Standard Drawing A60 for corrosion protection details.
7. Weld Symbols
   - Weld all round joint
   - 5 — Continuous fillet weld 5mm leg length (on side of joint opposite arrow head)
   - Weld on same side as arrow head
   - Full penetration single bevel butt weld
   - Full penetration single bevel butt weld on both sides of the joint
8. Weld hydraulic socket to the cap after welding the cap and cylinder together.
9. The cylinder is to be honed after the support plate is welded to it.



17 Gate Lifting Eye & Locknut
1:2
Ex. 65x50x120 mm M.S.

Rev	Description	Approved	Date
0	Construction	A Morphet	4/12/19

Waikato Regional Council
Te Kaunihera ā Rohe o Waikato

Standard Drawings
Sluice Gate
Hydraulic Ram

Date. 4 December 2019	Drawn.	A McCaughan
	Checked.	M Farrell
Drawing Number WRC-1695 S.4		REV 0
Scale. As indicated		@ A3