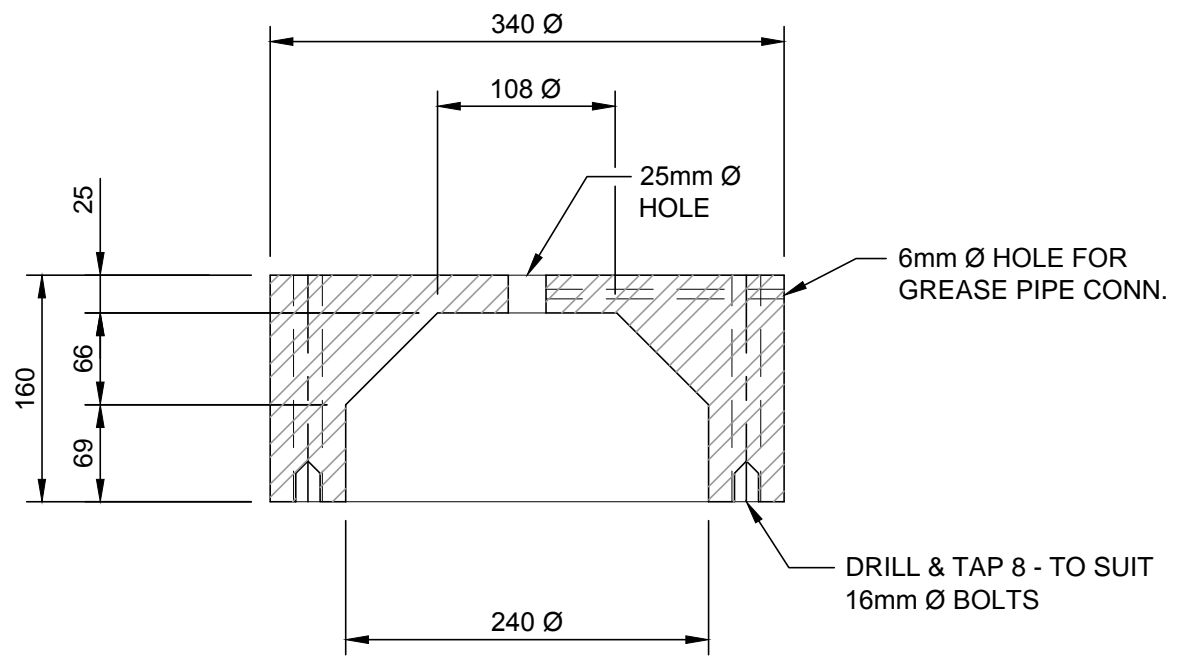
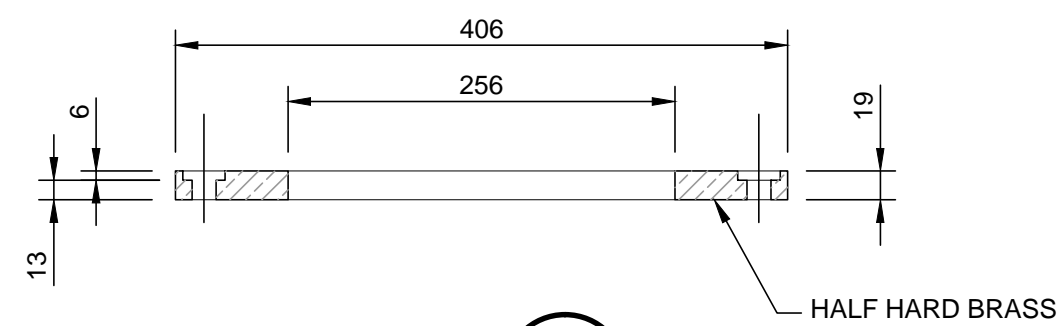


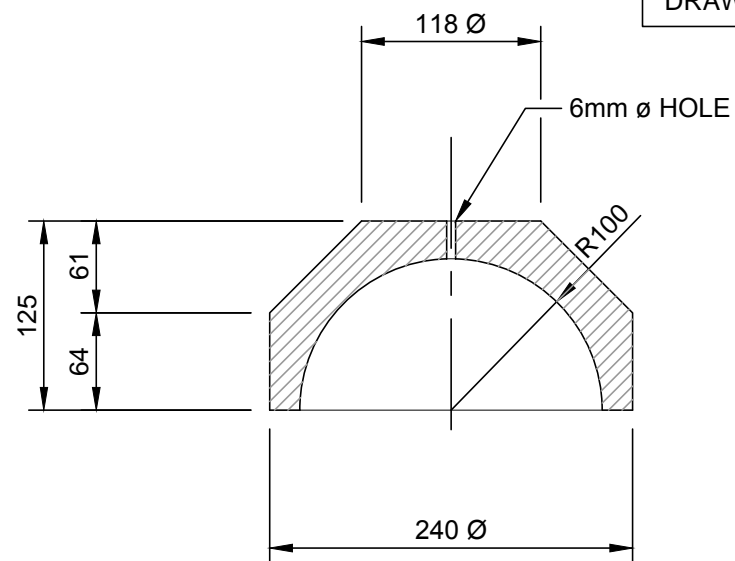
PART PLAN - HEEL CASTING  
1:5



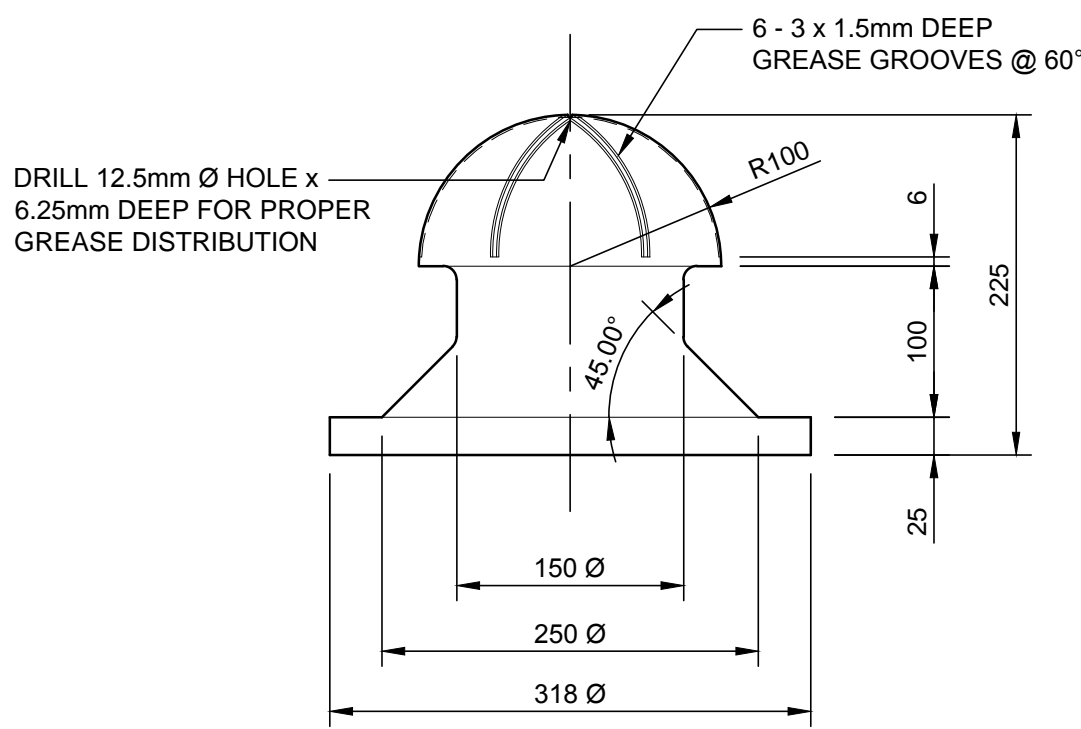
PLAN - LOWER LOCK PLATE  
1:5



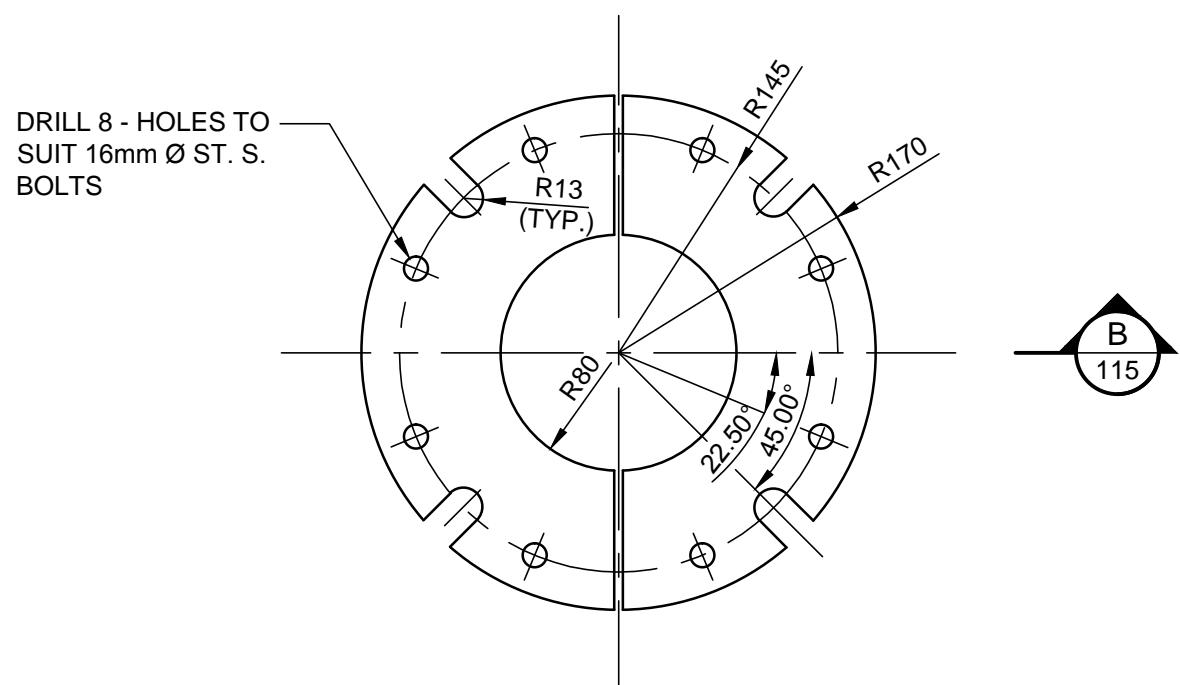
SECTION C  
1:5



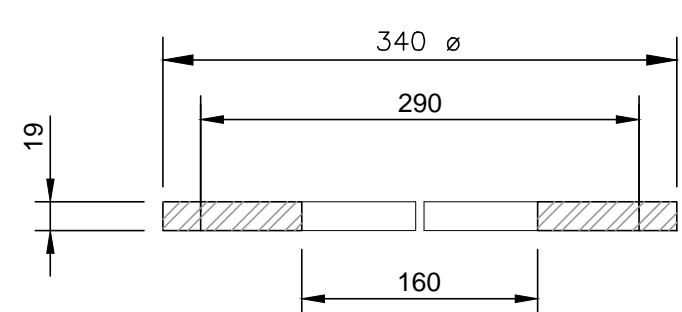
BRONZE BUSHING  
1:5



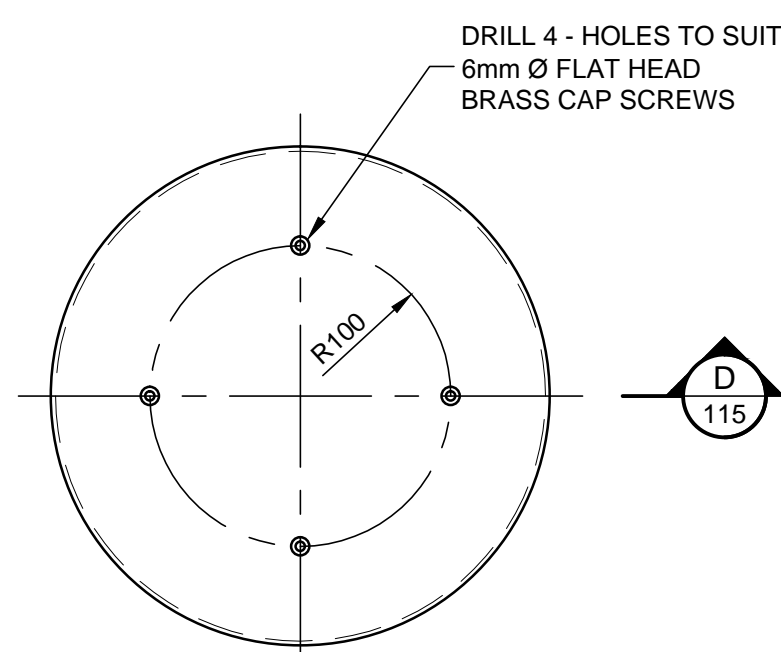
PINTLE  
1:5



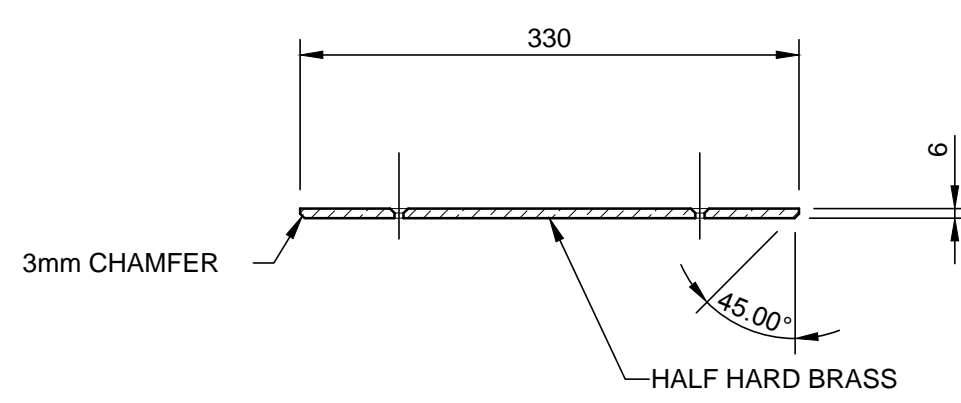
PLAN - UPPER LOCK PLATE  
1:5



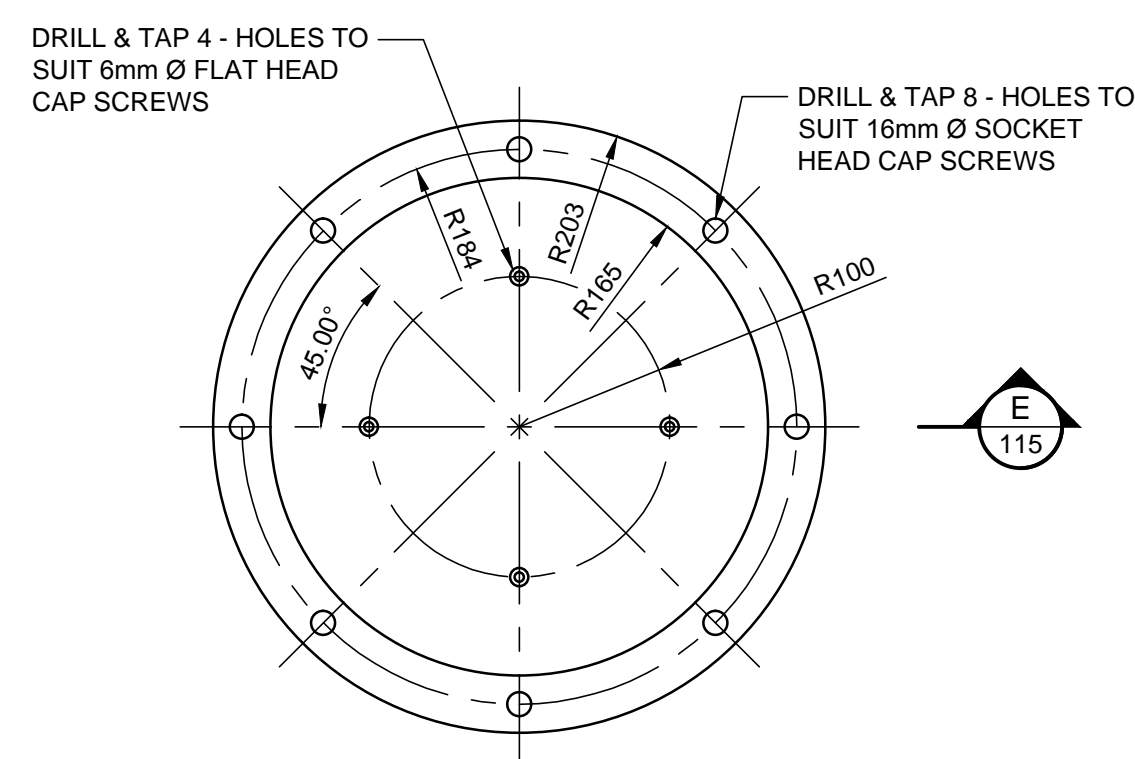
SECTION B  
1:5



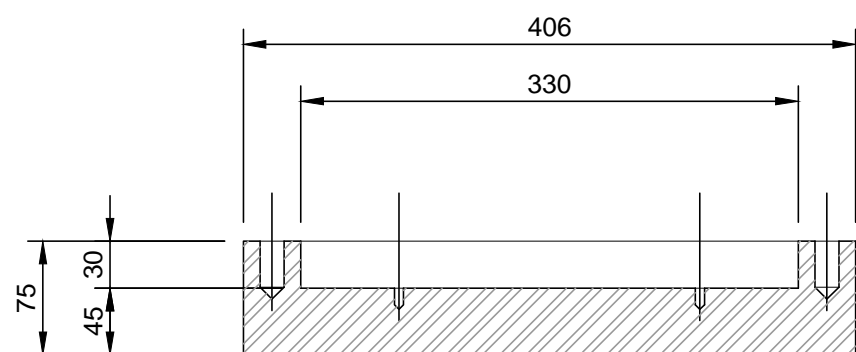
PLAN - BEARING PLATE  
1:5



SECTION D  
1:5

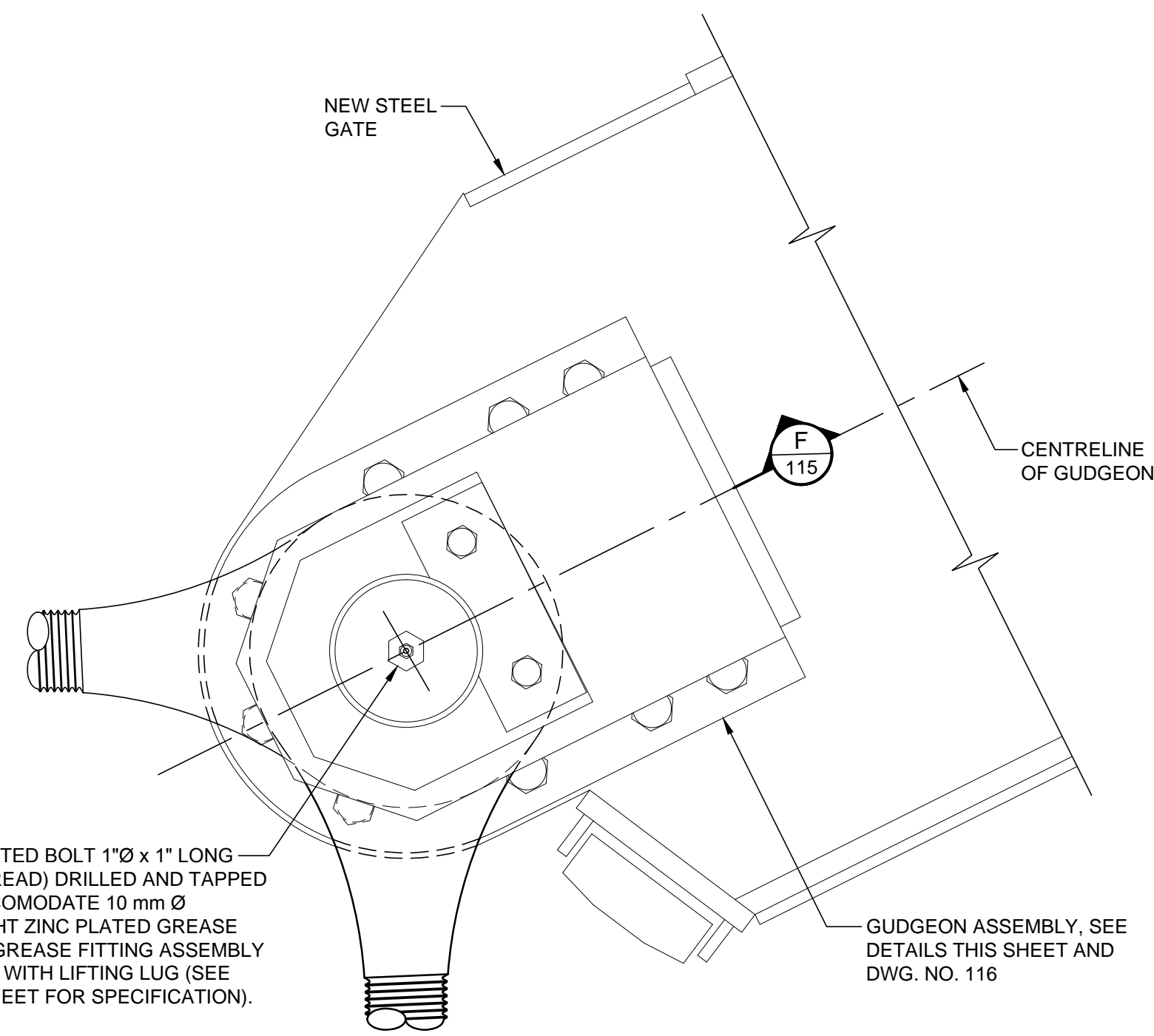


PLAN - BASE PLATE  
1:5



SECTION E  
1:5

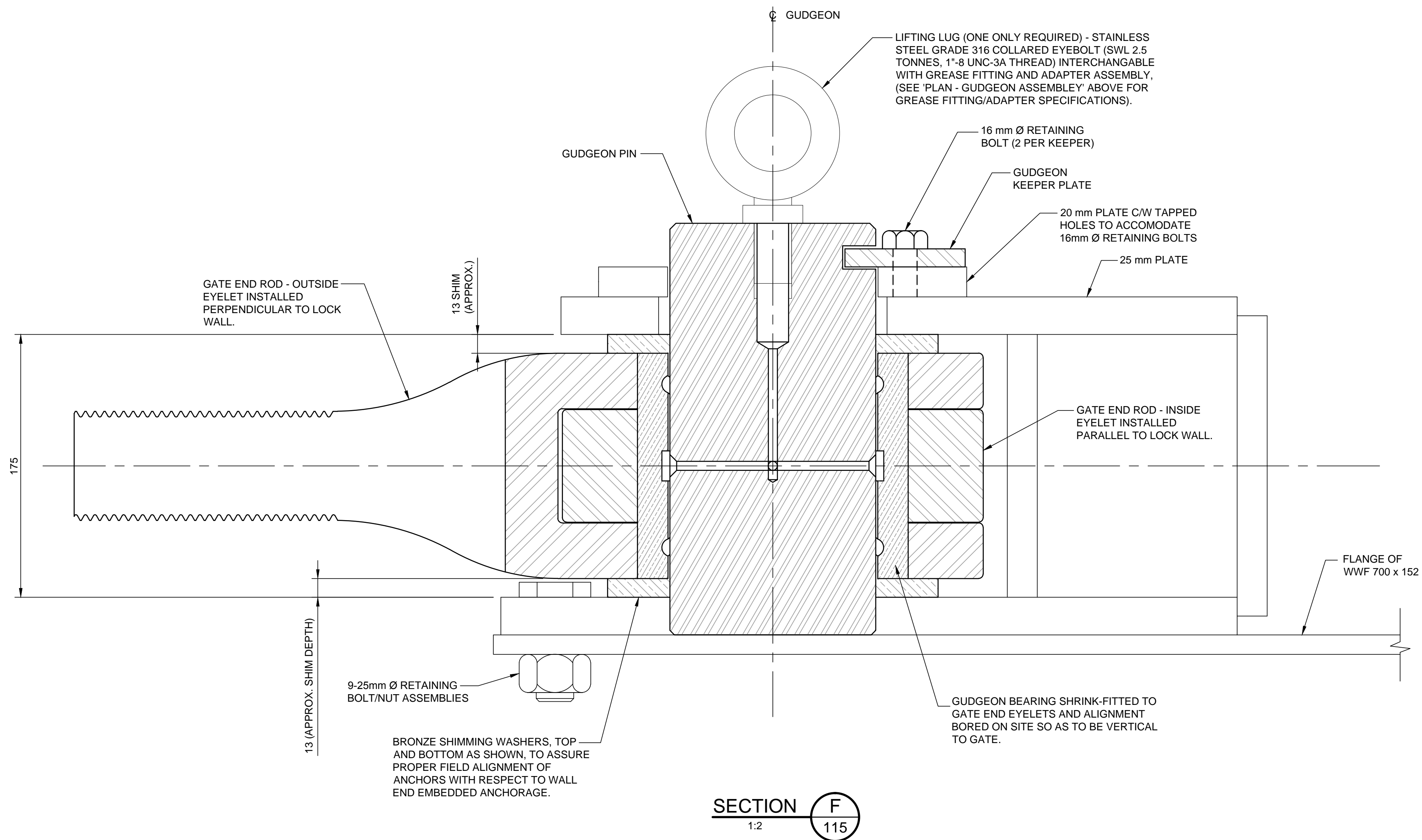
## PINTLE ASSEMBLY DETAILS



ADAPTER (ZINC PLATED BOLT 1"Ø x 1" LONG - C/W 1-8 UNC-3A THREAD) DRILLED AND TAPPED ON CENTER TO ACCOMMODATE 10 mm Ø STANDARD STRAIGHT ZINC PLATED GREASE FITTING. ADAPTER/GREASE FITTING ASSEMBLY INTERCHANGEABLE WITH LIFTING LUG (SEE SECTION F' THIS SHEET FOR SPECIFICATION).

NOTE: IN ADDITION TO THE NOTED GREASE FITTING, 1 METER OF FLEXIBLE EXTENSION CONDUIT IS TO BE PROVIDED TO ALLOW REMOTE APPLICATION OF GREASE FROM EXISTING WALKWAY. ONE REQUIRED FOR EACH GATE. SEE MECH. DRAWINGS.

PLAN - GUDGEON ASSEMBLY  
1:5



### NOTES ON ALIGNMENT BORING OF GUDGEON PIN

- VERTICALITY AND CIRCULARITY OF HOLES THROUGH EXISTING GATE PLATES ARE NOT KNOWN. ASSUME EXISTING HOLES ARE NEITHER VERTICAL NOR CIRCULAR.
- UPON REMOVING EXISTING GUDGEON PIN, MEASURE AND RECORD NON-VERTICALITY AND THE EXTENT OF NON-CIRCULARITY.
- BUILD UP HOLES WITH WELD METAL SUFFICIENT TO ALLOW TRUE BORING, AS REQUIRED.
- NEW HOLES MUST BE CIRCULAR AND PERPENDICULAR TO THE GATE WITHIN 0.01 OF A DEGREE.
- DO NOT START BORING UNTIL DEPARTMENTAL REPRESENTATIVE HAS REVIEWED AND APPROVED THE PERPENDICULARITY ACHIEVED.
- INSTALL AND SHIM NEW ANCHOR ASSEMBLY FOR HORIZONTALITY BEFORE ALIGNMENT BORING.
- MEASURE TO WITHIN 0.1 mm, THE ACTUAL ACHIEVED DIAMETER OF THE ALIGNMENT BORED HOLE THROUGH THE BEARING AND PLATES AND MACHINE THE GUDGEON PIN TO PROVIDE A CLASS RC7 FREE RUNNING CLEARANCE TO ANSI B4.1 AMERICAN NATIONAL STANDARD RUNNING AND SLIDING FITS.

## GUDGEON ASSEMBLY DETAILS

No.	Description	Dwn.By Des.Par	Date
1	ISSUED FOR TENDER	DMR	

NOTE :  
Do not scale drawings.  
Verify all dimensions and conditions on site and immediately notify the  
Departmental Representative of all discrepancies.

A	A Detail number Numéro du détail
B	B Location dwg. number Numéro sur dessin

Project title / Titre du projet

## RIDEAU CANAL BLACK RAPIDS LOCK 13 UPGRADES 2015

Drawing title / Titre du dessin

## LOWER GATE DETAILS III

Drawn by / Dessiné par DAVID ROWAN	Designed by / Conçu par LUC BÉRIALTY, P.Eng. CZESLAW CUDOWSKI, P.Eng.
Approved by / Approuvé par LUC BÉRIALTY, P.Eng.	Drawing Date / Date du dessin JUNE 2015