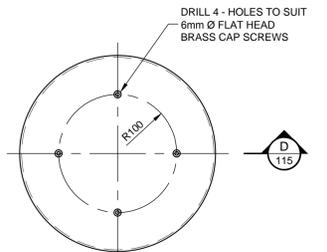
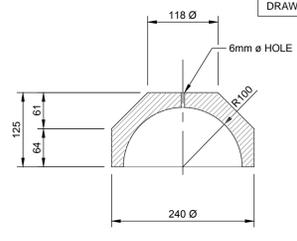
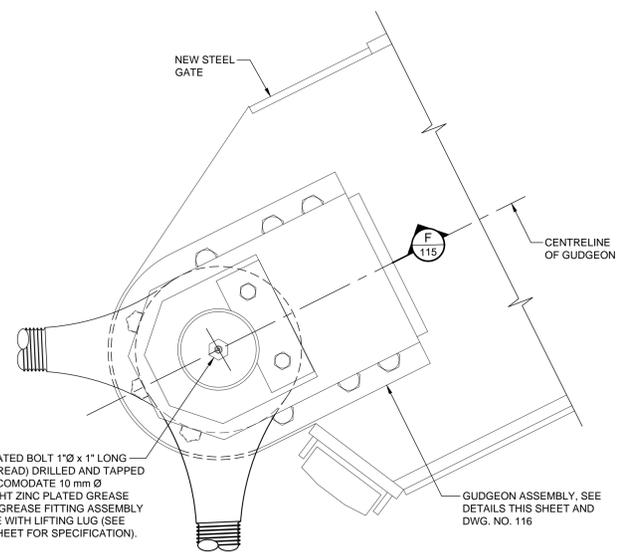


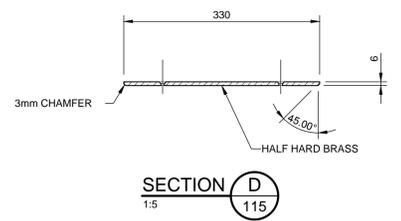
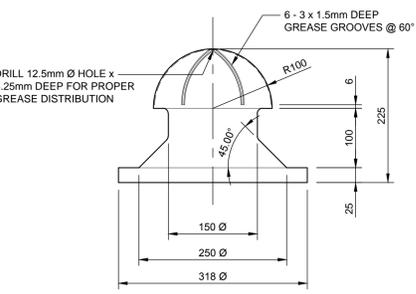
**NOTE:**  
IN ADDITION TO THE NOTED GREASE FITTING, FLEXIBLE EXTENSION CONDUIT IS TO BE PROVIDED TO ALLOW REMOTE APPLICATION OF GREASE FROM EXISTING WALKWAY. ONE REQUIRED FOR EACH GATE. SEE MECH. DRAWINGS.



**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.

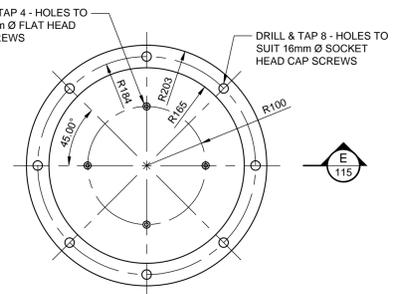
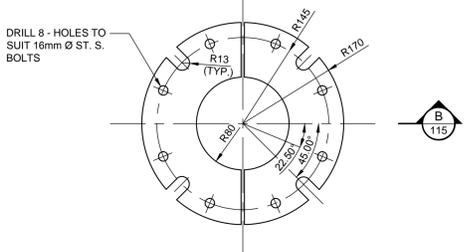


**PLAN - GUDGEON ASSEMBLY**  
1:5



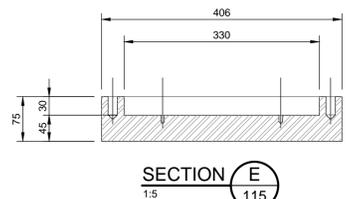
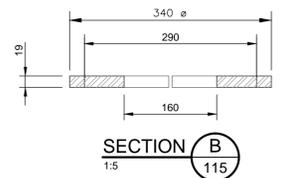
**PINTLE**  
1:5

**SECTION D**  
1:5



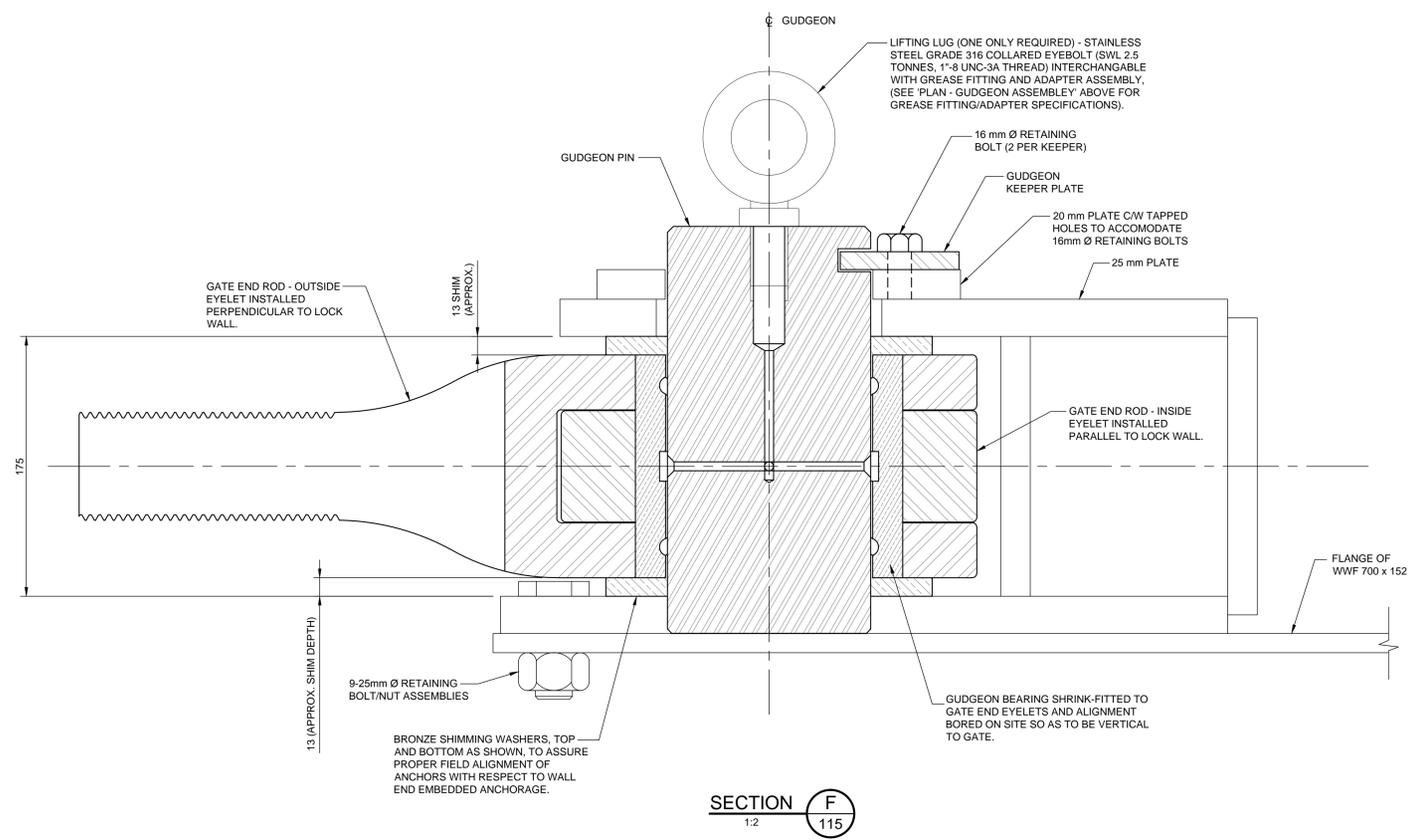
**PLAN - UPPER LOCK PLATE**  
1:5

**PLAN - BASE PLATE**  
1:5



**PINTLE ASSEMBLY DETAILS**

**SECTION E**  
1:5



**SECTION F**  
1:2

**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	DMR	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	Detail number Numéro du détail
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 <b>DAVID ROWAN</b>	Designed by / Conçu par <b>LUC BÉRIault, P.Eng.</b> <b>CZESLAW CUDOWSKI, P.Eng.</b>
Approved by / Approuvé par <b>LUC BÉRIault, P.Eng.</b>	Drawing Date / Date du dessin <b>JUNE 2015</b>

PWGSC Project Number / Numéro du projet TPSGC <b>R.078218.001</b>	Drawing Number / Numéro du Dessin <b>115</b>
Sheet / Feuille <b>16</b>	of / de <b>21</b>