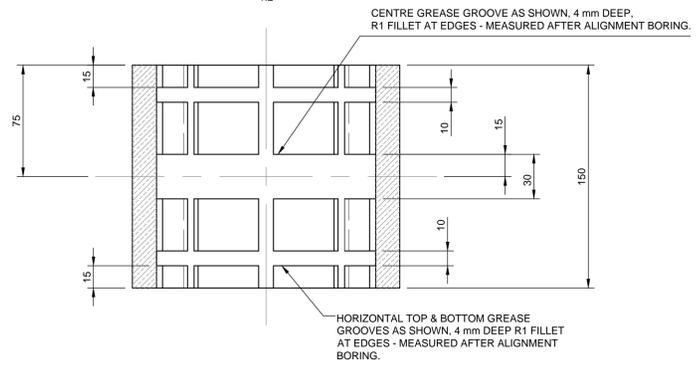
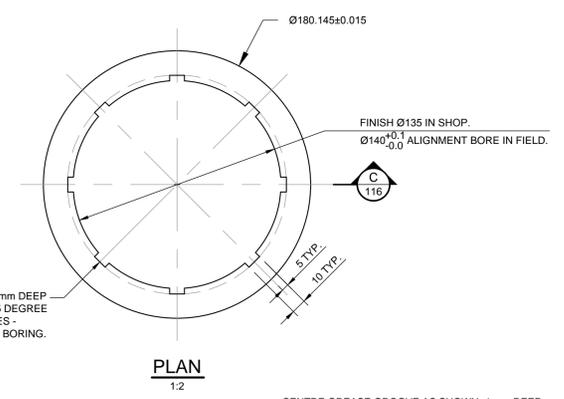
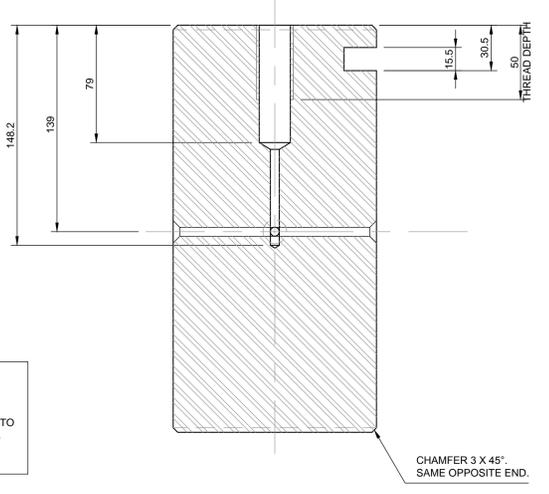


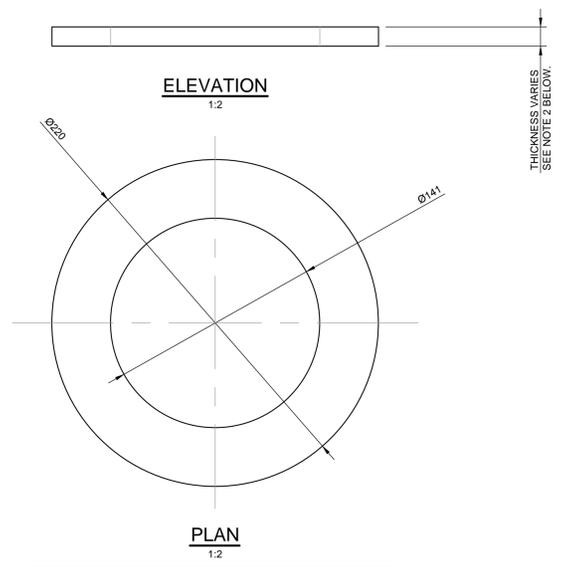
NOTES:
 1) MATERIAL - AISI 4340 ALLOY STEEL.
 2) AFTER ALIGN BORING BEARING IN THE FIELD, FINISH TO CLASS RC7 FREE RUNNING FIT TO ANSI B4.1-1967 R1979.
 3) QUANTITY OF FOUR (4) REQUIRED.

GUDGEON PIN



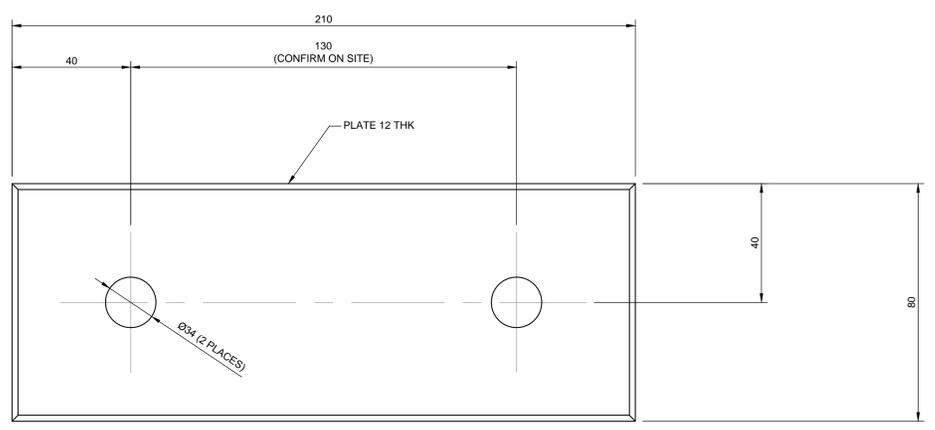
NOTES:
 1) MATERIAL - C86300 MANGANESE BRONZE TO ASTM B 22-08 BRONZE CASTINGS FOR BRIDGES AND TURNABLES.
 2) SHRINK-FIT TO ASSEMBLED GATE END EYELETS.
 3) ALIGNMENT BORE IN FIELD TO BE VERTICAL TO GATE.
 4) QUANTITY OF FIVE (5) REQUIRED.

GUDGEON BEARING



NOTES:
 1) MATERIAL - C86300 MANGANESE BRONZE TO ASTM B22-08 BRONZE CASTINGS FOR BRIDGES AND TURNABLES.
 2) QUANTITY: 4 SETS, EACH SET CONSISTING OF THE FOLLOWING:
 • 2-OFF x 10 mm THICK
 • 2-OFF x 4 mm THICK
 • 2-OFF x 3 mm THICK
 • 2-OFF x 2 mm THICK
 • 2-OFF x 1 mm THICK

SHIMMING WASHERS



NOTES:
 1) MATERIAL - AISI 4340 ALLOY STEEL.
 2) CHAMFER EDGES 2 mm AS SHOWN (BOTH SIDES).
 3) PAINT PRIMER + ALKYD - BLACK (DO NOT PAINT INSIDE OF HOLES).
 4) SUPPLY BOLTS FOR INSTALLATION - A325M Ø15 mm x 30 mm LONG.
 5) QUANTITY OF FIVE (5) REQUIRED.

GUDGEON KEEPER PLATE

NOTES:
 ALLOY STEEL AISI 4340 QUENCHED AND TEMPERED TO ACHIEVE THE FOLLOWING PROPERTIES:
 1. MINIMUM YIELD: 689 MPa.
 2. TENSILE STRENGTH: 862 MPa TO 965 MPa.
 3. CHARPY IMPACT: AT -29 DEGREES CELSIUS, AVERAGE OF THREE TESTS, MINIMUM 27 JOULES WITH ALL INDIVIDUAL TESTS ABOVE 20 JOULES.
 4. FERRITIC GRAIN STRUCTURE.
 5. SUBMIT ALL DATA BEFORE PURCHASE.

No.	Description	Drawn By / Des.Par	Date
1	ISSUED FOR TENDER	DMR	JULY 2015

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 IV

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

Drawing Number / Numéro du Dessin
116

PWGSC Project Number / Numéro du projet TPSGC
 R.078218.001

Sheet / Feuille
 17 of 21