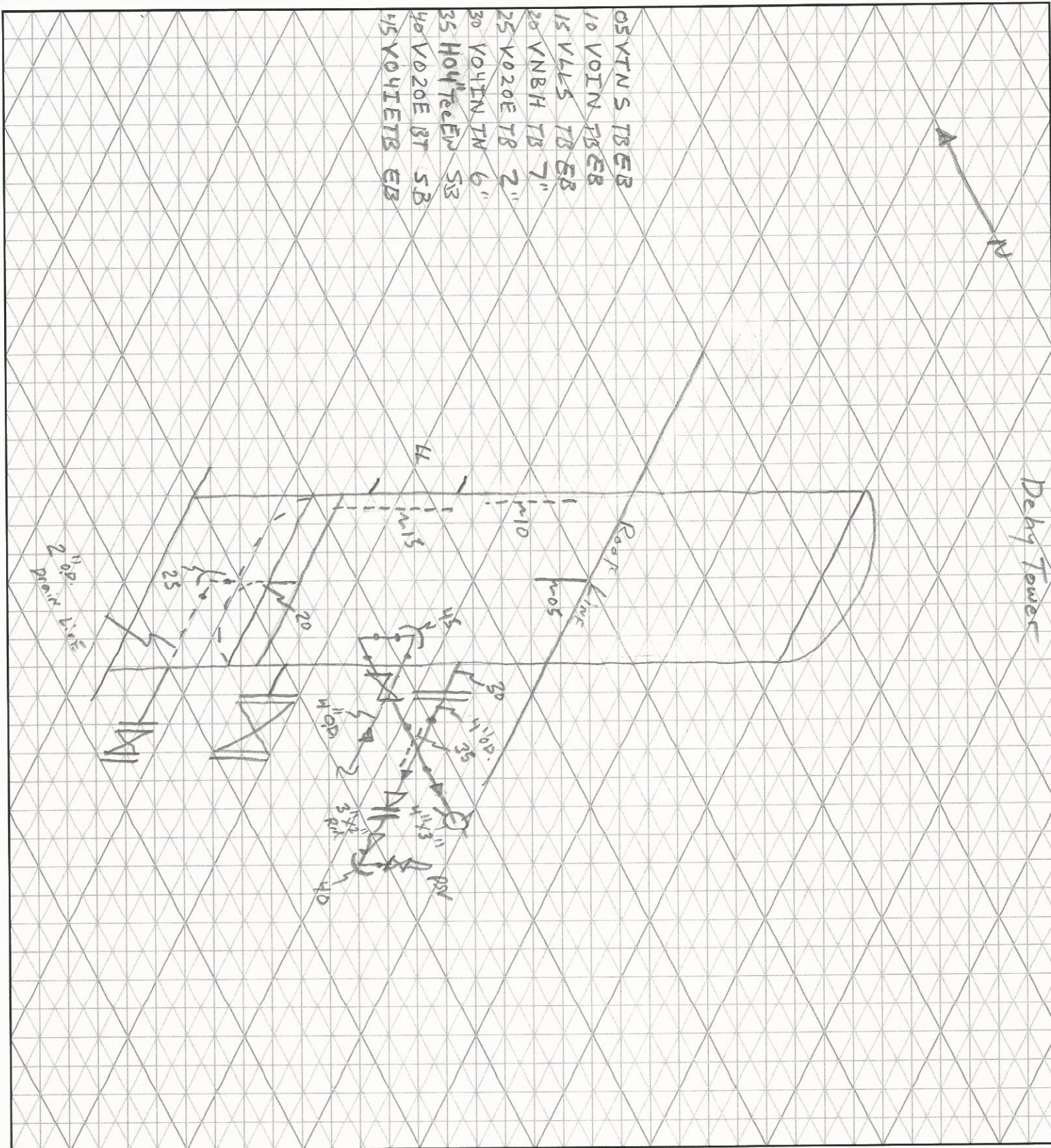




# CORROSION INSPECTION SERVICES

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**CUSTOMER:** CNRL      **FACILITY:** GRAND FORKS      **LSD:** 10-22-012-14W4M  
**P & ID:** \_\_\_\_\_      **DRAWN BY:** BVERGE      **DATE:** Aug 29/13      **DRAWING NO.** \_\_\_\_\_

**VESSEL INFORMATION:**  
 Equip. No. V-480      Pro. Reg. No. (A) A0437520      C.R.N. L0916.213      Serial No. V-2810A2      Yr. Inst. \_\_\_\_\_  
 Code/Div. \_\_\_\_\_      Size: 24" ID / ODX: \_\_\_\_\_      Manufacturer: OPSCO INDUSTRIES LTD.      Yr. Blt. 1998  
 C. Stamp: YES      Service: \_\_\_\_\_      PWHT: YES      J.E.: \_\_\_\_\_      Radiography: RT-1      Insulated: NO

**HEAD:**      **SHELL:**  
 Top Mat'l. SAS16-70N      Top Nom: 1.140"      Top C.A. 0.125"      Material: SAS16-70N      Nominal: 1.125"      C.A. 0.125"  
 Btm Mat'l. \_\_\_\_\_      Btm Norm: \_\_\_\_\_      Btm C.A. \_\_\_\_\_

**BOOT:**      **CHANNEL:**  
 Head Mat'l.: \_\_\_\_\_      Head Nom. \_\_\_\_\_      Head C.A. \_\_\_\_\_      Top Mat'l. \_\_\_\_\_      Top Nom. \_\_\_\_\_      Top C.A. \_\_\_\_\_  
 Shell Mat'l.: \_\_\_\_\_      Shell Nom. \_\_\_\_\_      Shell C.A. \_\_\_\_\_      Btm Mat'l. \_\_\_\_\_      Btm Nom. \_\_\_\_\_      Btm C.A. \_\_\_\_\_  
 MAWP Shell Side: 1440 PSI      @ Temp. 120°F      MAWP Tube Side: \_\_\_\_\_      @ Temp. \_\_\_\_\_

**PIPING INFORMATION:** MDMT -20°F @ 1440PSI  
 Circuit. No. \_\_\_\_\_      Line No. (s) **(PLEASE PUT LINE NUMBERS ON APPLICABLE LINES ON THE DRAWING)**  
 Piping Class: \_\_\_\_\_      Service: \_\_\_\_\_      Yr. Blt. \_\_\_\_\_  
 MAWP: \_\_\_\_\_      @ Temp. \_\_\_\_\_      Size & Schedule of Piping **(PLEASE PUT APPROPRIATE SIZES AND SCHEDULES OF PIPING ON DRAWING)**