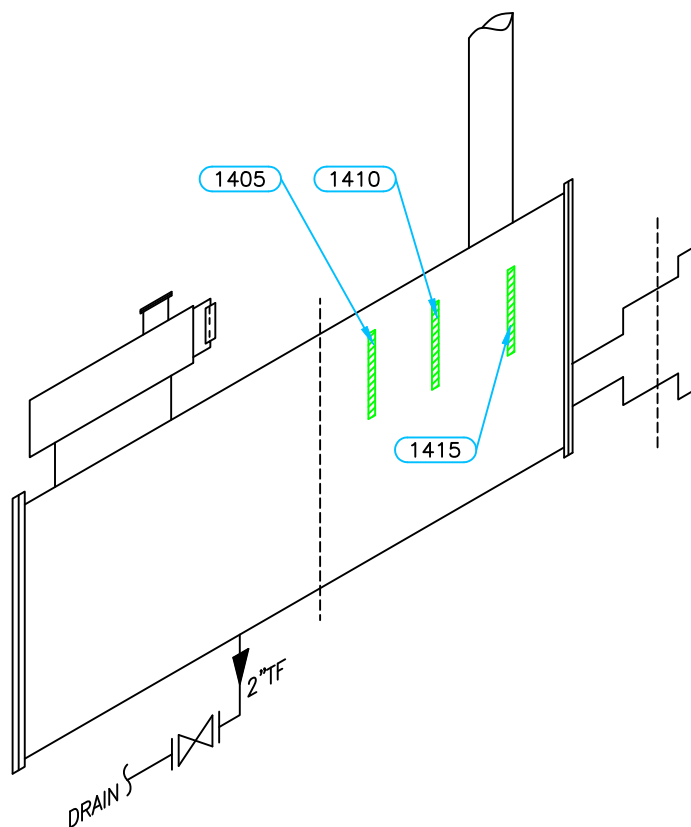




Equip. No. _____ Prov. Reg. No. Ⓐ 441196 C.R.N. L-5831.2C Serial No. 42131-A-52 Yr. Inst. _____
 Code/Div. ASME VIII, Div 1 Size: 60in x 24ft Manufacturer: NATCO CANADA Yr. Blt. 2000
 C. Stamp: _____ Service: SWEET PWHT: NIL Radiography: RT1 Insulated: YES

Design & Materials Data

HEAD:
 Top Mat'l. SA 36 Top Nom. 9.5mm Top C.A. 1.6mm
 Btm. Mat'l. _____ Btm. Nom. _____ Btm. C.A. _____
 CHANNEL:
 Material: _____ Nominal: _____ C.A. _____
 BOOT
 Head Mat'l. _____ Head Nom. _____ Head C.A. _____
 Shell Mat'l. _____ Shell Nom. _____ Shell C.A. _____
 SHELL
 Material: SA 36 Nominal: 9.5mm C.A. 1.6mm
 MAWP Shell Side: ATMOSPHERIC @ Temp. _____
 MAWP Tube Side: _____ @ Temp. _____

CLIENT	CANADIAN NATURAL RESOURCES	
FACILITY	LADYFERN FIELD LSD b-88-H/94-H-01	
ITEM	HEAT MEDIUM HEATER	
BY: J.D.H	DATE: 06/2010	DWG.# 14-1

CLIENT CANADIAN NATURAL RESOURCES
EQUIPMENT HEAT MEDIUM HEATER
CRN: L-5831.2C
PROV REG A 441196
TESTED ON STREAM

LOCATION b-88-H/94-H-01
RTD JOB # 105.00390

Test Point	THICKNESS DATA				Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
1405												
Description:	UPPER SHELL											
	2010	6										
Min. Thick.	10.2			7.9		1.6	9.5				L	
Average:	10.3							0	0		L	
Analysis:												
1410												
Description:	UPPER SHELL											
	2010	6										
Min. Thick.	10.4			7.9		1.6	9.5				L	
Average:	10.5							0	0		L	
Analysis:												
1415												
Description:	UPPER SHELL											
	2010	6										
Min. Thick.	10.3			7.9		1.6	9.5				L	
Average:	10.4							0	0		L	
Analysis:												