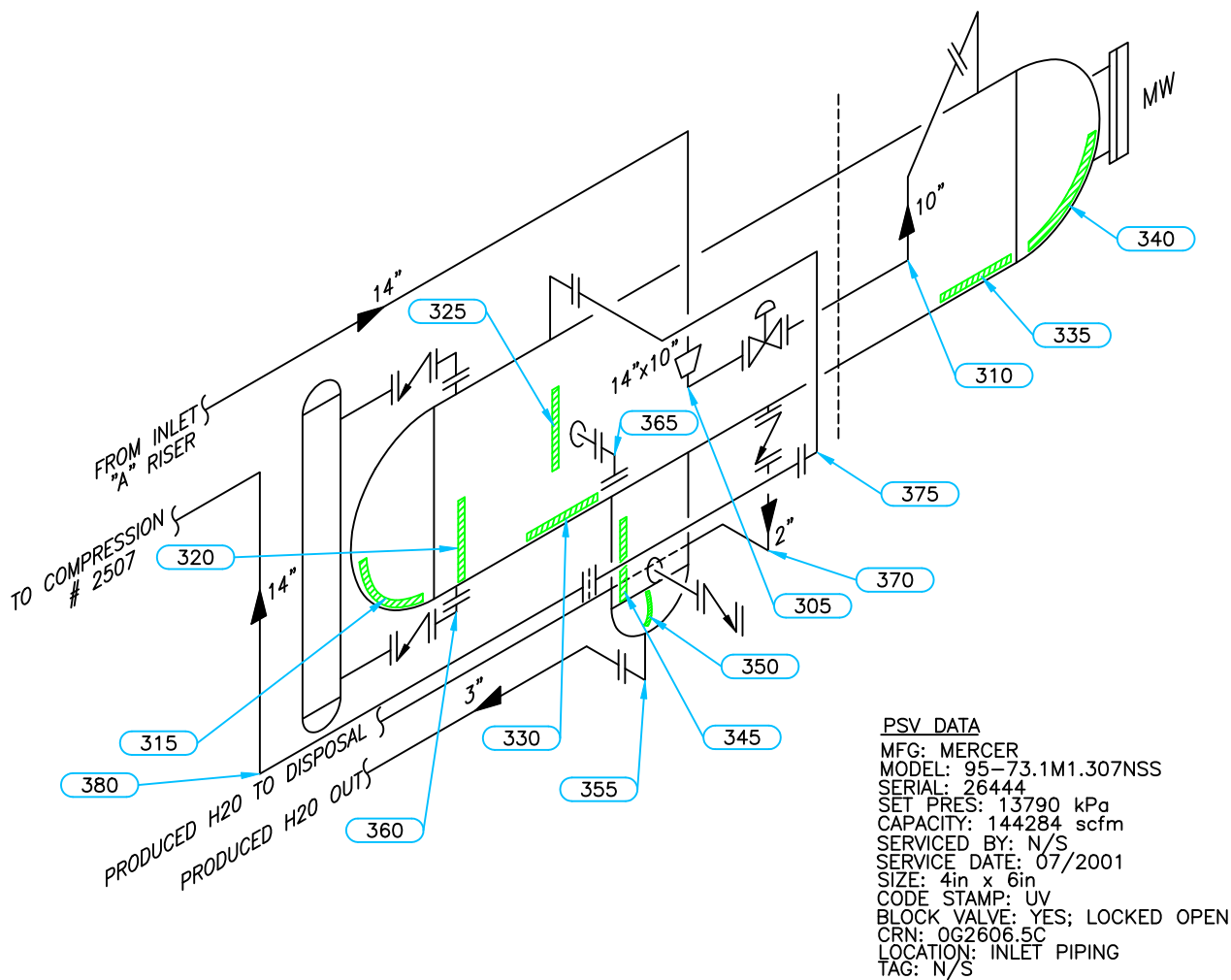




Equip. No. V-310 Prov. Reg. No. RAE 2959 C.R.N. P-2191.21 Serial No. 00191-101 Yr. Inst.
 Code/Div. ASME VIII, DIV 1 Size: 66in x 314in Manufacturer: PROPAK SYSTEMS Yr. Blt. 2000
 C. Stamp: U Service: SWEET PWHT: HT Radiography: RT-1 Insulated: NO

Design & Materials Data

HEAD:
 Top Mat'l. SA 516 70N Top Nom. 82.6mm Top C.A.
 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 516 70N Nominal: 88.9mm C.A.
 MAWP Shell Side: 13790 kPa @ Temp. 118°C
 MAWP Tube Side: @ Temp.

CLIENT	CANADIAN NATURAL RESOURCES		
FACILITY	LADYFERN GAS PLANT LSD b-17-1/94-H-01		
ITEM	INLET "A" SEPARATOR		
BY: LR	DATE: 12/2005	DWG.# 1-3	

CLIENT: CANADIAN NATURAL RESOURCES
EQUIPMENT: INLET "A" SEPARATOR
CRN#: P-2191.21
PROV REG: RAE 2959
TESTED ON STREAM

TESTED ON STREAM

Test Point	THICKNESS DATA				Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
315												
Description:	LOWER HEAD											
	2005	12	2010	6								
Min. Thick.	88.6		88.6		82.6			82.6	0	0		L
Average:	89.1		89.1						0	0		L
Analysis:	12/2005- MIN SCAN AT START OF BAND											
320												
Description:	LOWER SHELL											
	2005	12	2010	6								
Min. Thick.	91.3		91.3		88.9			88.9	0	0		L
Average:	91.4		91.4						0	0		L
Analysis:												
325												
Description:	MID SHELL											
	2005	12	2010	6								
Min. Thick.	91.6		91.6		88.9			88.9	0	0		L
Average:	91.7		91.7						0	0		L
Analysis:												
330												
Description:	BOTTOM SHELL											
	2005	12	2010	6								
Min. Thick.	91.7		91.7		88.9			88.9	0	0		L
Average:	91.8		91.8						0	0		L
Analysis:												
335												
Description:	BOTTOM SHELL											
	2005	12	2010	6								
Min. Thick.	91.2		91.2		88.9			88.9	0	0		L
Average:	91.3		91.3						0	0		L
Analysis:												
340												
Description:	LOWER HEAD											
	2005	12	2010	6								
Min. Thick.	89		89		82.6			82.6	0	0		L
Average:	89.7		89.7						0	0		L
Analysis:	12/2005- MIN SCAN AT START OF BAND											

FACILITY: LADYFERN GAS PLANT
SERVICE: SWEET
LOCATION: b-17-l/94-H-01
RTD JOB #: 105.00390
REFER TO DRAWING: 1-3

355									
Description: 3" 90 ° NOZZLE									
	2005	12	2010	6					
Min. Thick.	14.5		14.5		15.2	5.6		15.2	0 0 L 2010
Average:	15.5		15.5					0 0	L

UTS DATA

CLIENT: CANADIAN NATURAL RESOURCES
EQUIPMENT: INLET "A" SEPARATOR PIPING
CRN#:
PROV REG:
TESTED ON STREAM

FACILITY: LADYFERN GAS PLANT
SERVICE:
LOCATION: b-17-l/94-H-01
RTD JOB #: 105.00390
REFER TO DRAWING: 1-3

Test Point	THICKNESS DATA				Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
305												
Description:	10" 90° ELBOW											
	2005	12	2010	6								
Min. Thick.	20.8		20.8		18.73		2.7	21.4	0	0		L
Average:	21.8		21.8						0	0		L
Analysis:	12/2005-MIN SCAN 5cm FROM USW , MID APEX											
310												
Description:	10" 90° ELBOW											
	2005	12	2010	6								
Min. Thick.	23		23		18.73		2.7	21.4	0	0		L
Average:	24		24						0	0		L
Analysis:	12/2005- MIN SCAN AT MID APEX BELOW SUPPORT											
360												
Description:	90° ELBOW											
	2005	12	2010	6								
Min. Thick.	11.3		11.3		0				0	0		L
Average:	11.6		11.6						0	0		L
Analysis:												
365												
Description:	2" 90° ELBOW											
	2005	12	2010	6								
Min. Thick.	7.9		7.9		7.61		1.1	8.7	0	0		L
Average:	8.3		8.3						0	0		L
Analysis:	12/2005- MIN SCAN AT MID APEX											
370												
Description:	2" 90° ELBOW											
	2005	12	2010	6								
Min. Thick.	5		5		4.81		.7	5.5	0	0		L
Average:	5.7		5.7						0	0		L
Analysis:	12/2005- MIN SCAN AT MID APEX											
375												
Description:	14" 90° ELBOW											
	2005	12	2010	6								
Min. Thick.	24.4		24.4		20.83		3	23.8	0	0		L
Average:	25.4		25.4						0	0		L
Analysis:	12/2005- MIN SCAN AT MID APEX. BELOW SUPPORT											

UTS DATA

CLIENT: CANADIAN NATURAL RESOURCES
EQUIPMENT: INLET "A" SEPARATOR PIPING
CRN#:
PROV REG:
TESTED ON STREAM

FACILITY: LADYFERN GAS PLANT
SERVICE:
LOCATION: b-17-l/94-H-01
RTD JOB #:105.00390
REFER TO DRAWING: 1-3

Test Point	THICKNESS DATA				Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
380												
Description:	14" 90° ELBOW											
	2005	12	2010	6								
Min. Thick.	23.5		23.5		20.83		3	23.8	0	0		L
Average:	24.5		24.5						0	0		L
Analysis:	2010/06 MIN SCAN @ TOP PIPE SUPPORT WELD.											