#### **SUBJECT EQUIPMENT:**

Component ID: SI-873B

Quality Group/Q-level: A

ISI Class: 2

Equipment Type: Piston Check Valve

Manufacturer/Model #: Edward Valve D36174(F316)FJT4 (2")

Component Material Spec: SA-182 F316

**Document how information above was validated:** Validated via equipment database for Equipment tag SI-873B. New CAT ID 9220128142 shows SA-182 GR F316 material. Additionally, numerous valve drawings show SA-182 F316 body material. EDB was also used to validate piping information, materials, and wall thickness for pipe SI-64.

ATT	ACHED PIPING:
Upstream Piping Line Number: 2-SI	-64
• Pipe class (according to CPL-HBR2-M-047):	2501R
• Material Specification/wall thickness:	A376 TP316/SCH. 160
Downstream Piping Line Number: 2-SI	I-64
• Pipe class (according to CPL-HBR2-M-047):	2501R
<ul> <li>Material Specification/wall thickness:</li> </ul>	A376 TP316/SCH. 160
drawing for new CAT ID 9220128142) COMMENTS: Existing ISI weld numbers are to be ring cu	3R2-10618 SH00112 (ISI Isometric), HBR2-12273 SH00001( valve ut and re-established with new valve installation. Consider allowance of nd the valve body welds to be cut out and re-welded for ease of fit-up
	o CAT ID description tab, this valve is supplied with a 6" nipple welded
to the inlet side of the valve for heat dissipation. Per dr	rawing HBR2-12273-SH00001 this nipple is 2" SCH-160 SA376 T316. Due weld docs should include the installation of a 2" NPS SS Socket Weld
	CONCLUSION:

Upstream Welds: W47 = 2" Pipe (SCH-160 SA376 TP316; vendor supplied pipe nipple) to 2" SW coupling (SA182 F316, 6000lb)

W46 = 2" Pipe existing (SCH-160 SA376 TP316) to 2" SW coupling (SA182 F316, 6000lb)

Downstream Welds: <u>W27= 2" SW Valve (1500# SA-182 F316) to 2" Pipe existing (SCH-160 SA376 TP316)</u>

Prepared by Qualified Weld Planner: Canon McCray Date: 4/06/2014

#### **SCREENSHOTS/PHOTOS:**

# PassPort NEW CAT ID per EDB:

NO FOLDER 🔂												<b>B</b>				
Catalog ID: 9220128142 Pool BOM > Company: Image Address:																
											Fa	acility=				
Category= V V Facility Group:																
Name	= VLV	VLV VALVE Facility Type:														
Type= CHK CHECK Decimal Quantities:																
ttem Type: S Template > Unit of Issue: EA																
Unique Description	Unique Description: GLOBE, Y-PATTERN, EDWARD UNIVALVE															
Catalog Description		/E, Cl	HECK,	2 IN	, soc	CKET-	WEL	D, 1	500 LI	S, 9	SA-182 GR F316	, GLOBE, Y-PATTE	RN, EDWARD UN			
	[VAL	VE														
Total On Hand	:								Т	otal /	vailable for Allo	cation:				
Total Demand	Total Demand: Display Totals															
Facility Q Level Details																
* Facility Q Sto	Cla Des	s Eng	Man	Ins	Ver	War	Res	Pur	RFQ	Tra	Status	On Hand	Demand	Available	Due In	
HNP 1 S	• •	-			-	-	-	•		-	NOPURCH					\$
RNP 1 S	• •				-		•	•		•	READY		9			<u> </u>

# PassPort NEW CAT ID Description Tab per EDB:

		Catalog ID:	9220128142 1		Catalog S	tatus: READY	F	12/02/2010 🗖
	0	Description:	VALVE, CHECK, 2 IN, SOCKET-WEL	D, 1500 LBS, SA-	182 GR F316, G	LOBE,		
			Y-PATTERN, EDWARD UNIVALVE					
c	atalog I (	evel Descri	ntion					
*			n and Notes		Date	By		
	s	LCE by We	(G 4/1/2010		12/02/2010	-	*	
	S	LCE by BB			12/02/2010	LAMBER	<b>_</b>	
							-	
							Ŧ	
F	acility Le	evel Descrip	tion					
*	Facility	Print	Facility Specific Description and No	tes		Date	Ву	
	RNP	в	VALVE SHALL COMPLY WITH PRO	GRESS ENERGY		12/02/2010	LAMBER	*
	RNP	в	SPEC CPL-HBR2-M-019, REV. 1 EXC	CEPT THE		12/02/2010	LAMBER	<b>^</b>
	RNP	в	MATERIALS FOR THE SEAT AND DI	SC SHALL		12/02/2010	LAMBER	
	RNP	RNP B BE MADE OUT OF MATERIALS SPECIED				12/02/2010		
	RNP	В	HEREIN: SEAL WELDED COVER (SA	-479		12/02/2010		
	RNP	В	T316), BODY (SA-182 GR F316), IN	TEGRAL		12/02/2010	LAMBER	
	RNP	B SEAT HARDFACED WITH STOODY 110, AND				12/02/2010	LAMBER	
		в	DISK (A565, GR616). VALVE WILL	ALSO BE		12/02/2010	LAMBER	
	RNP							
	RNP RNP	в	EQUIPPED WITH 6" NIPPLE WELDED	TO THE		12/02/2010	LAMBER	<b></b>

Prepared by Qualified Weld Planner: Canon McCray Date: 4/06/2014

# PassPort EDB for PIP SI-64:

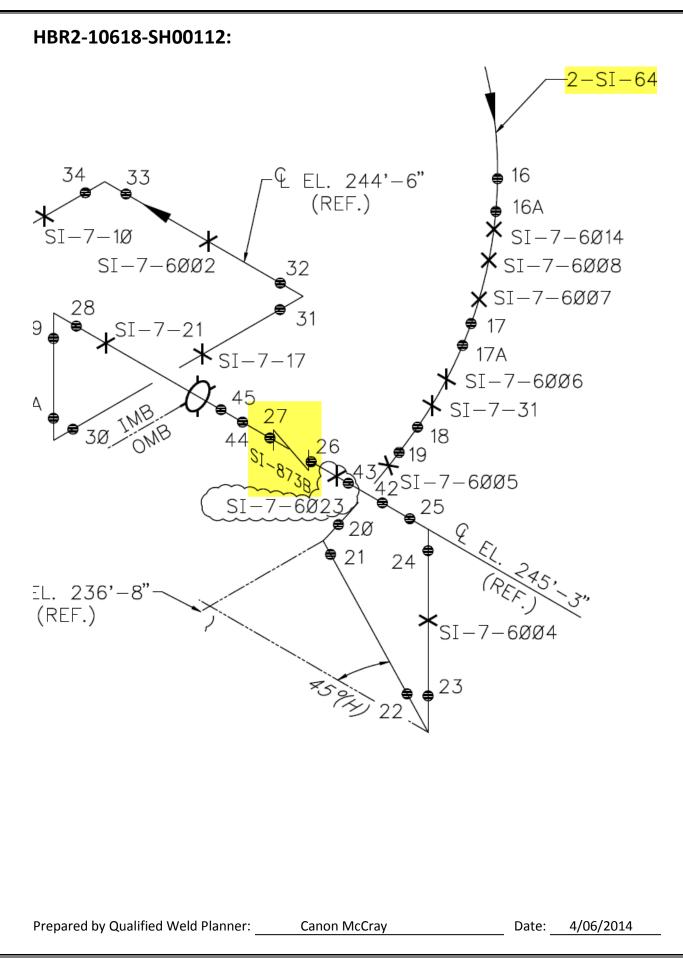
TIMD071 - EQUIPMENT/COMPONENT/UTC PARAMETERS - [ PRODUCTION ]												
File Edit Navigate Options View Help			V									
i Enter parameter name and value data.												
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 Facility: RNP Operating System: F System: 2080 Equipment: PIP SI-64 UTC:	Unit: 2 Division: Class: : Component: : Template:		Stat Ar Pipe: See following screen shot									
Parameter Details												
* Sequence Parameter Name	Value	UOM	Print Updated Notes									
GEN DESIGN PRESSURE	2485	PSIG	10/28/2000									
GEN DESIGN TEMPERATURE	650	DEG F	10/28/2000									
GEN ENGINEERING DESIGN NOTES	Y		10/28/2000									
GEN MAX OPERATING PRESSURE	2235	PSIG	10/28/2000									
GEN MAX OPERATING TEMPERATURE	555	DEG F	10/28/2000 -									
Q-CLASS A-01	P		10/28/2000									

# PassPort GEN ENGINEERING DESIGN NOTES (for SI-64; PIP):

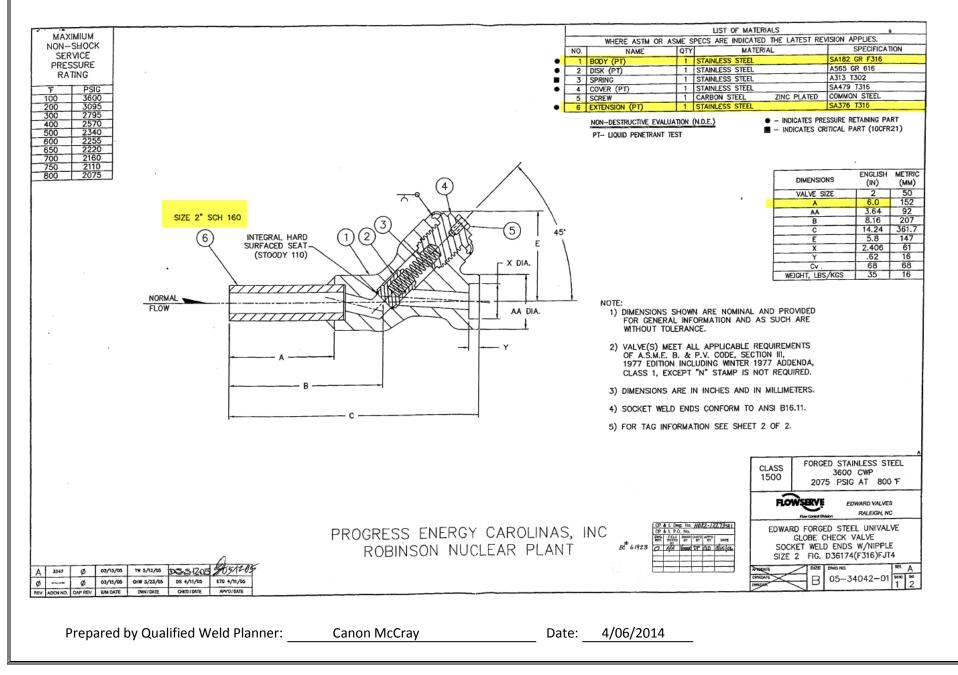
TIMX291 - PASSPORT TEXT - [ PRODUCTION ]	
File Edit Navigate Options View Help	
i Review text. Modify using standard or OLE methods.	V
I I I I I I I I I I I I I I I I I I I	
Owner Key: GEN ENGINEERING DESIGN NOTES	
From Panel: D071	
Description: DOWNSTREAM VALVE SI-868B TO SI-48	
Update Basis: EPARM	
Last Updated By: CONVRS	
Last Updated Date: 10/28/2000 🖻	
Text Status: UNLOCKED Text Update	
PIPE SCH 160; CODE ASA; PIP SPEC A376 TP316;	*
VLV/FLG RATING 1500# RF;	
INSUL CLASS HI, 1" THK; EBASCO SPEC 2501R	

# Piping Specification 2501 (CPL-HBR2-M-047):

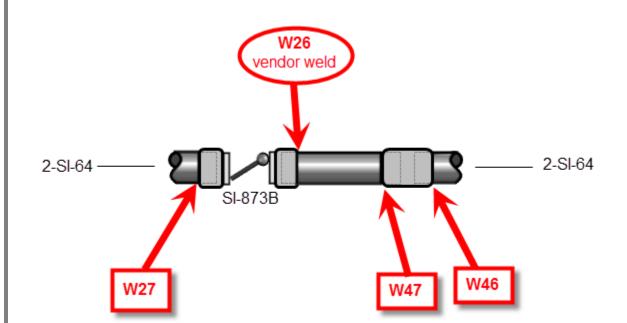
			Pi	ping Specificat <u>Class 2501</u>	<u>ion</u>				
<u>Design Tempe</u> <u>Design Pressu</u>	· · ·	<100 2905	200 2711	300 2618	400 2525	500 2479	600 2479	650 2479	700 2465
<u>Pipe</u>	10" throu 4" throug <mark>½" throu</mark> g	ĥ 8"		A376 TP31 A376 TP31 A376 TP31	.6, Seamle	ess, Sch. 1	20		
Prepared by Qua	alified Wel	d Planner:	Ca	anon McCray			Date:	4/06/2	2014



# NEW VALVE DRAWING HBR2-12273 SH00001 for CAT ID 9220128142:



#### **PROPOSED WELD MAP:**



Prepared by Qualified Weld Planner: Canon McCray Date: 4/06/2014