


Worley
energy | chemicals | resources

AES	STRESS RELIEVE	NDE	TRIM	HYDROTEST	PAINT TORRANCE EXTERNAL COATING PROCEDURE		
NO	NONE	5%Shop 10% Field	API #8	H	TABLE	SYSTEM	COLOR
					1 AND 2 ONLY	EP 10-3-1	SEE BELOW
Mobil Beige F-38 Valspar/Exxon Tan D297 Carboline Chart PER SITE REFER TO EXHIBIT #4 IN SHOP REQ PACKAGE							

SEVERE SERVICE	LINE No.	DIA (In)	SCH	SPEC	MAT	DESIGN		OPER.		HYDR PRES	INS	COMMODITY
						PRES	TEMP	PRES	TEMP			
	03GI-27.1	1"	SCH 160	AAAA1	CS	180	100	50	Amb	450	N	NITROGEN
STEAM TRACING												
N/A												
	REF. DWG.						REF. PJ03A0207D04					

SHOP MATERIALS				
PT NO	COMPONENT DESCRIPTION	SIZE (IN)	ITEMCODE	QTY
<u>PIPE</u>				
1	PIPE: CS, ASTM A106 Grade B, Seamless, Plain Both Ends, Sch 160	1	21400D00	78'6.1/4"
<u>FITTINGS</u>				
2	FITTING: CS, ASTM A105, Tee, Socketweld, Class 6000	1 x 1	30132N0000	1
3	FITTING: CS, ASTM A105, Reducing Tee, Socketweld, Class 6000	1 x 3/4	301Y2N0000	3
4	FITTING: CS, ASTM A234 Grade WPB-S, Concentric Swage, Plain Both Ends, SCH 160 X SCH 160	1 x 3/4	201G40SWED	1
5	FITTING: CS, ASTM A105, 90 Degree Elbow, Socketweld, Class 6000	1	30112N0000	8
6	NIPPLE: CS, ASTM A106 Grade B, Seamless, 3" Long, Threaded One End, Sch 160	3/4	4021500D00	1
7	FITTING: CS, ASTM A105, 90 Degree Elbow, Socketweld, Class 6000	3/4	30112N0000	1
<u>FLANGES</u>				
8	FLANGES: CS, ASTM A105, Socketweld per ASME B16.5, Raised Face, Class 150, Sch 160	1	1015210D00	7
<u>VALVES / IN-LINE ITEMS</u>				
9	GATE VALVE, CLASS 800, MSW/FNPT, OS&Y, CS (A105), BB, MFR DIMS, EXT BODY, API 602, TRIM # 8, 13CR STEM, REDUCED PORT, SOLID WEDGE, FG PACKING, HANDWHEEL OPERATOR CS A105	3/4	PVGC1A80FF00BQ02C B03	3
<u>FIELD MATERIALS</u>				
PT NO	COMPONENT DESCRIPTION	SIZE (IN)	ITEMCODE	QTY
<u>FITTINGS</u>				
10	FITTING: CS, ASTM A105, 4" Long, Round Head Plug, Socketweld, Class 6000	1		1
11	FITTING: CS, ASTM A105, Plug, Round Head, Threaded	3/4	301P300000	1
12	FITTING: CS, ASTM A105, Cap, Threaded, Class 3000	3/4	30143M0000	1
<u>GASKETS</u>				
13	GASKET: 316L SS with SS Inner & CS Outer Ring & Flexible Graphite Filler, Spiral Wound, per ASME B16.20 for ASME B16.5 flange, Class 150, Maximum Operating Temperature of 975F in Non-oxidizing Media	1	7SS40100TA	4
<u>BOLTS</u>				
14	2.1/2 BOLTING: ASTM A193 Grade B7 / ASTM A194 Grade 2H, Stud Bolts with 2 hvy hex nuts, -40F to 800F	1/2	80220D0000	16
<u>SUPPORTS</u>				
15	U-Bolt Guide/ Anchor for Bare Pipe UB01-B-1"-A Carbon Steel	1	UB01-B-1"-A	9
16	Dummy Leg support ,DL01 Carbon Steel	1	DL01-B-1"-36"-CS	1

PRE-TAR

0	ISSUED FOR CONSTRUCTION		04-01-23	04-01-23
REV			SSM	TDB
JOB	REVISIONS		DATE	AR
			BY	DATE
			APP'D	INIT
AR/AFE##		RWO NO	MCR NO	
FROM: 03GI-27-1"-HP31-N				
TO: NITROGEN TO 3F3 & 3F4 TDL ANALYZER LCP				
				
TORRANCE CALIFORNIA				
DESIGNER SSSM		DRAWING NO	SHT NO	REV NO
SCALE NTS		03GI-27.1	C02	0

DESIGN FILE :