



FABRICATION MATERIALS				
PT NO	COMPONENT DESCRIPTION	N.S. (INS)	CLASS	QTY
PIPE				
1	PIPE; SEAMLESS;; BE;; ASME B36.10 API 5L; GR. B OR ASTM A106; GR. B; NACE MR0175; STD	2	A	1.1M
FITTINGS				
2	SOCKET; SW; 3000#; MSS-SP-97 ASTM A105; NACE MR0175;;	2 x 1.1/2	A	1
3	ELBOW; 90DEG. LR; SEAMLESS; BW;; ASME B16.9 ASTM A234; GR. WPB; NACE MR0175; STD	2	A	3
FLANGES				
4	FLANGE;; WN; RF; 150#; ASME B16.5; SMOOTH FINISH RA 3.2 TO 6.3 MICRONS ASTM A105; NACE MR0175;; STD	2	A	2
5	FLANGE; SW;; RF; 150#; ASME B16.5; SMOOTH FINISH RA 3.2 TO 6.3 MICRONS ASTM A105; NACE MR0175;;	1.1/2	A	1
VALVES / IN-LINE ITEMS				
6	VALVE; CHECK; SWING; FLANGED; RF; 150#; ; DATASHEET: A5R	2	A	1
7	VALVE; MODULAR BALL (DBB); 150#; RF FLANGEDxSCRD;; DATASHEET: A9R(DBB)	1.1/2 x 1/2	A	1
ERECTION MATERIALS				
PT NO	COMPONENT DESCRIPTION	N.S. (INS)	CLASS	QTY
PIPE				
8	PIPE; SEAMLESS;; PE;; ASME B36.10 API 5L; GR. B OR ASTM A106; GR. B; NACE MR0175; SCH80	1.1/2	A	0.1M
GASKETS				
9	GASKET; SPIRAL WOUND; 4.4MM THK; 150#; ASME B16.20 WND; SS316; FLR: GRAPHITE; INNER & OUTER GUIDE RINGS: SS316; NACE MR0175	2	A	3
10	GASKET; SPIRAL WOUND; 4.4MM THK; 150#; ASME B16.20 WND; SS316; FLR: GRAPHITE; INNER & OUTER GUIDE RINGS: SS316; NACE MR0175	1.1/2	A	1
BOLTS				
11	85 STUD BOLT WITH HEAVY HEX. NUTS STUDS: ASTM A193-B7, NUTS: ASTM A194-2H FLUOROCARBON COATED WITH AMERI-COTE OR APPROVED EQUAL	5/8	A	16
12	70 STUD BOLT WITH HEAVY HEX. NUTS STUDS: ASTM A193-B7, NUTS: ASTM A194-2H FLUOROCARBON COATED WITH AMERI-COTE OR APPROVED EQUAL	1/2	A	4
VALVES / IN-LINE ITEMS				
13	VALVE; BALL; RB; FLANGED; RF; 150#; ; DATASHEET: A2R	2	A	1
INSTRUMENTS				
14	INST; GENERAL;; SCRD-MALE;; PDI 63401	1/2		1
***** * CONT. ON SHT 4 * *****				

NOTES: 1. COORDINATE REFERENCE FROM COLUMN B IS N 100,000 & COLUMN 2 IS E 100,000	DESIGN PRESS: 345		kpag	DESIGN TEMP: 65\AMB		°C													
	TEST PRESS: 2940		kpag	TEST WITH: Water															
	RADIOGRAPHY: 100		%	STRESS RELIEVE: NO															
	INSULATION SPEC: N/A																		
	COATING SPEC: DHF-00-M-S-0003																		