

SPRING CREEK

OWNER	ARCHITECT
ADDENDA Addendum Issued: NONE Please review any Addendum issued after Date 22/07/24	

ID: -3174

BIDDER NAME: _____

Floridacostestimating.com

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S#	DWG #	LINE SIZE	INSUL. THICK.	DESCRIPTION	TOTAL QTY.	UNIT	LABOR			MATERIAL (PER UNIT)	EQUIPMENT (PER UNIT)	COMPOSITE RATE/UNIT	TOTAL COST
							Manhour / Unit	\$/HOUR	COST				
DIVISION 01 - GENERAL REQUIREMENTS													
1				MOBILIZATION	1	LS							
2				BOND & INSURANCE	1	LS							
3				SUPERVISION	1	LS							
4				SUBMITTALS & SAMPLES	1	LS							
5				TEMPORARY FACILITIES & CONTROLS	1	LS							
6				PROJECT SCHEDULE	1	LS							
7				CLOSEOUT PROCEDURES	1	LS							
8				PERMITS	1	LS							
				Subtotal									
DESCRIPTION													
9		1"	1-1/2" THK	FIBERGLASS WOOL	21.00	LF							
10		1"	1" THK	FIBERGLASS WOOL	15.00	LF							
11		1/4"	1-1/2" THK	FIBERGLASS WOOL (ASSUMED LENGTH)	20.00	LF							
12		2"	1" THK	FIBERGLASS WOOL	15.00	LF							
13		3"	2" THK	FIBERGLASS WOOL	6.00	LF							
14		4"	2" THK	FIBERGLASS WOOL	148.00	LF							
15		6"	2" THK	FIBERGLASS WOOL	32.00	LF							
16		8"	1-1/2" THK	FIBERGLASS WOOL W/ HEAT TRACE	23.00	LF							
17		8"	1-1/2" THK	FIBERGLASS WOOL	106.00	LF							
18		24"	2" THK	FIBERGLASS WOOL W/ HEAT TRACE	42.00	LF							
19		24"	2" THK	FIBERGLASS WOOL	22.00	LF							
				Subtotal									
				Total.									
				Add wastage of materials									
				Add Contractor's overhead & profit @ 15%									
				G.Total									

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S#	DWG #	MATERIAL	SIZE	DESCRIPTION	QTY.	UNIT	LABOR			MATERIAL (PER UNIT)	EQUIPMENT (PER UNIT)	COMPOSITE RATE/UNIT	TOTAL COST
							Manhour / Unit	\$/HOUR	COST				
DIVISION 01 - GENERAL REQUIREMENTS													
1				MOBILIZATION	1	LS							
2				BOND & INSURANCE	1	LS							
3				SUPERVISION	1	LS							
4				SUBMITTALS & SAMPLES	1	LS							
5				TEMPORARY FACILITIES & CONTROLS	1	LS							
6				PROJECT SCHEDULE	1	LS							
7				CLOSEOUT PROCEDURES	1	LS							
8				PERMITS	1	LS							
				Subtotal									
DESCRIPTION													
9			1"	ELBOW 90, 3000 LB, FPT, SS 316L	4.00	EA							
10			1"	TEE, 3000 LB, FPT, SS 316L	6.00	EA							
			1"	ELL 90, 3000 LB, SW, ASME B16.11, A182 F304L	3.00	EA							
			1"	PIPE NIPPLE, LONG TYPE, SCH 80, TBE, 6" LG ASTM A106 GRADE B, SCH 80	10.00	EA							
			1"	PIPE NIPPLE, LONG TYPE, SCH 80, TBE, 3" LG ASTM A106 GRADE B, SCH 80	42.00	EA							
			1"	ELBOW 90, 300 LB, FPT, ASME B16.3	8.00	EA							
			1"	TEE, 3000 LB, FPT, ASME B16.11	13.00	EA							
			1"	UNION, 3000 LB, FPT, MSS-SP-83, CS	4.00	EA							
			1"	FLANGE THD, 150 LB, RF, ASME B16.5	1.00	EA							
			1"	GASKET, 1/8" THK, RF, 150 LB, NON-ASBESTOS FIBER, GARLOCK 3400 OR EQUAL	1.00	EA							
			1"	FLANGE SW, 150 LB, RF, ASTM A312 F316L, ASME B16.5	1.00	EA							
			1"	GASKET, SWG, 316L WITH PTFE FILLER, 1/8" THK, RF, 150 LB, ASME B16.20, FLEXITALLIC STYLE CGI OR EQUAL	1.00	EA							
			1"	PLUG, HEX HEAD, MPT, ASME B16.11	15.00	EA							
			1"	GENERAL OFFLINE INSTRUMENT CONNECTION	12.00	EA							
			1"	PIPE NIPPLE, LONG TYPE, SCH 40S, PBE, 3" LG ASTM A182 F316L	1.00	EA							
			1"	FLANGE THD, 150 LB, RF, ASME B16.5, 316SS	2.00	EA							
			1"	GASKET, 150 LB, RESTRUCTURED PTFE, 1/8" THK, RF, GARLOCK 3510 OR EQUAL	2.00	EA							
			1"	PIPE NIPPLE, LONG TYPE, SCH 40S, TBE, 6" LG ASTM A182 F304L	2.00	EA							
			1"	PIPE NIPPLE, LONG TYPE, SCH 40S, TBE, 3" LG ASTM A182 F304L	4.00	EA							
			1"	BAG FILTER, FPT, 300 LB, ASME B16.10	2.00	EA							
			1"	FLANGE THD, 150 LB, FF, ASME B16.5 316SS	1.00	EA							
			1"	GASKET, 150 LB, RESTRUCTURED PTFE, 1/8" THK, FF, GARLOCK 3510 OR EQUAL	1.00	EA							
			1"	WATTS SS007 BACKFLOW PREVENTER	1.00	EA							
			1"	GLUED - SCH 80 - CPVC ELBOW	2.00	EA							
			1"	GLUED - SCH 80 - FLANGE	1.00	EA							
			1"x1/2"	TEE (RED), 3000 LB, FPT, SS 316L	2.00	EA							
			1"x1/2"	COUPLING, REDUCING, 3000 LB, FPT, SS 316L	1.00	EA							
			1"x3/4"	COUPLING, REDUCING, 3000 LB, FPT, SS 316L	1.00	EA							
			1"x3/4"	COUPLING, REDUCING, 3000 LB, FPT, ASME B16.11	3.00	EA							
			1"x4x1/4"	A193 GRADE B7 LUG BOLT, A194 GRADE 2H NUT, RF	96.00	EA							
			1"x5-1/4"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H NUT, RF	112.00	EA							
			1-1/4"x5-1/4"	A193 GRADE B7 LUG BOLT, A194 GRADE 2H NUT, RF	40.00	EA							
			1-1/4"x5-3/4"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H NUT, RF	40.00	EA							
			1-1/4"x6-3/4"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H NUT, RF	40.00	EA							
			1-1/4"x6-3/4"	SS316L A193 GRADE B8M STUD BOLT, A194 GRADE 8M NUT, RF	20.00	EA							
			1-1/8"x4-3/4"	A193 GRADE B7 LUG BOLT, A194 GRADE 2H NUT, RF	32.00	EA							
			1-1/8"x5-3/4"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H GALVANIZED NUT, RF	16.00	EA							
			1-1/8"x5-3/4"	A193 GRADE B7 LUG BOLT, A194 GRADE 2H NUT, RF	64.00	EA							
			1/2"	GENERAL OFFLINE INSTRUMENT CONNECTION	10.00	EA							
			1/2"	PIPE NIPPLE, LONG TYPE, SCH 80, TBE, 3" LG ASTM A106 GRADE B, SCH 80	14.00	EA							
			1/2"	PLUG, HEX HEAD, MPT, ASME B16.11	7.00	EA							
			1/2"	PIPE NIPPLE, LONG TYPE, SCH 40S, TBE, 3" LG ASTM A182 F304L	7.00	EA							
			1/2"	PIPE NIPPLE, LONG TYPE, SCH 40S, TBE, 6" LG ASTM A182 F304L	2.00	EA							
			1/2"	ELBOW 90, 3000 LB, FPT, SS 316L	1.00	EA							
			1/2"	FLANGE THD, 150 LB, RF, ASME B16.5, 316SS	4.00	EA							
			1/2"	GASKET, 150 LB, RESTRUCTURED PTFE, 1/8" THK, RF, GARLOCK 3510 OR EQUAL	4.00	EA							
			1/2"	ELBOW 90, 300 LB, FPT, ASME B16.3	8.00	EA							
			1/2"	CAP, 3000 LB, FPT, ASTM A105 CLASS 3000, SP-97	2.00	EA							
			1/2"	PIPE NIPPLE, LONG TYPE, SCH 80, TEXPE, 3" LG ASTM A106 GRADE B, SCH 80	1.00	EA							
			1/2"	TEE, 3000 LB, FPT, ASME B16.11	2.00	EA							
			1/2"	PIPE NIPPLE, LONG TYPE, SCH 80, TEXPE, 6" LG ASTM A106 GRADE B, SCH 80	1.00	EA							
			1/2"x2-1/2"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H NUT, RF	4.00	EA							
			1/2"x2-1/2"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H GALVANIZED NUT, RF	12.00	EA							
			1/2"x2-1/2"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H GALVANIZED NUT, FF	4.00	EA							
			1/2"x2-1/4"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H GALVANIZED NUT, RF	16.00	EA							
			1/2"x2-3/4"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H NUT, RF	16.00	EA							
			1/2"x3"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H NUT, RF, 300	8.00	EA							
			10"x6"	REDUCER (CONC), SDR 11, FUSION, HDPE	4.00	EA							
			10"x8"	TEE (RED), SDR11, BUTT FUSION, HDPE	4.00	EA							
			1-1/2"	FLANGE THD, 150 LB, RF, ASME B16.5	4.00	EA							
			1-1/2"	GASKET, 1/8" THK, RF, 150 LB, NON-ASBESTOS FIBER, GARLOCK 3400 OR EQUAL	4.00	EA							
			1-1/2"	ELBOW 90, 300 LB, FPT, ASME B16.3	8.00	EA							
			1-1/2"	TEE, 3000 LB, FPT, ASME B16.11	1.00	EA							
			1-1/2"	PIPE NIPPLE, LONG TYPE, SCH 80, TBE, 3" LG ASTM A106 GRADE B, SCH 80	3.00	EA							
			1-1/2"	ELBOW 90, 3000 LB, FPT, SS 316L	2.00	EA							
			1-1/2"	TEE (RED), 3000 LB, FPT, SS 316L	3.00	EA							
			1-1/2"x1"	COUPLING, REDUCING, 3000 LB, FPT, ASME B16.11	1.00	EA							
			1-1/2"x1/2"	TEE (RED), 3000 LB, FPT, ASME B16.11, ASTM 105	6.00	EA							
			1-1/2"x1/2"	REDUCER (CONC), SCH STD, BW, ASME B16.9	1.00	EA							
			1-1/2"x1/4"	COUPLING, REDUCING, 3000 LB, FPT, ASME B16.11	1.00	EA							
			1-1/2"x3/4"	TEE (RED), 3000 LB, FPT, ASME B16.11, ASTM 105	1.00	EA							
			1-1/4"	ELL 90, 3000 LB, SW, ASME B16.11, SS 316L	5.00	EA							
			1-1/4"	TEE, 3000 LB, SW, ASME B16.11, ASTM 105	1.00	EA							
			1-1/4"	UNION, 3000 LB, FPT, SS 316L	1.00	EA							
			1-1/4"	ELBOW 90, 3000 LB, FPT, SS 316L	1.00	EA							
			1-1/4"	ELBOW 90, 300 LB, FPT, ASME B16.3	1.00	EA							
			1-1/4"	THREADED SPECIALTY ITEM	1.00	EA							
			1-1/4"	FLANGE THD, 300 LB, RF, ASME B16.5, 316SS	2.00	EA							
			1-1/4"	GASKET, 300 LB, PTFE, 1/8" THK, RF, NSF, GARLOCK 3505 OR EQUAL	2.00	EA							
			1-1/4"x1"	COUPLING, REDUCING, 3000 LB, FPT, SS 316L	3.00	EA							
			12"	FLANGE WN, 150 LB, FF, ASME B16.5, CS	2.00	EA							
			12"	EXPANSION JOINT	2.00	EA							
			12"	ELBOW 45 LR, SDR11, FUSION, HDPE	2.00	EA							
			12"	TEE, FUSION - SDR 11 - HDPE CROSS	1.00	EA							
			12"x10"	REDUCER (CONC), SDR 11, FUSION, HDPE	1.00	EA							

						LABOR			MATERIAL	EQUIPMENT	COMPOSITE	TOTAL
	3"x1"	GLUED - SCH 80 - CPVC REDUCER	1.00	EA								
	3"x1/2"	THREADOLET, 3000 LB, BWXFPT, 1" LG, MSS SP-97, ASTM A105	3.00	EA								
	3"x1-1/2"	TEE (RED), SCH STD, BW, ASME B16.9, WROUGHT, ASTM A234 GRADE WPB	1.00	EA								
	3"x2"	REDUCER (CONC), BW, ASME B16.9, SS WP316L, SCH 10S	2.00	EA								
	3"x2"	REDUCER (CONC), SCH STD, BW, ASME B16.9	2.00	EA								
	3"x2-1/2"	REDUCER (CONC), SCH STD, BW, ASME B16.9	1.00	EA								
	3/4"	PIPE NIPPLE, LONG TYPE, SCH 80, TBE, 3" LG ASTM A106 GRADE B, SCH 80	6.00	EA								
	3/4"	ELBOW 90, 300 LB, FPT, ASME B16.3	6.00	EA								
	3/4"	THERMOWELL	1.00	EA								
	3/4"	GENERAL OFFLINE INSTRUMENT CONNECTION	1.00	EA								
	3/4"	CAP, 3000 LB, SW, ASME B16.11 ASTM A182 GR F316L	1.00	EA								
	3/4"	PIPE NIPPLE, LONG TYPE, SCH 40S, PBE, 3" LG ASTM A182 F316L	2.00	EA								
	3/4"	CAP, 3000 LB, FPT, ASME B16.11 ASTM A182 GR F316L	2.00	EA								
	3/4"	PIPE NIPPLE, LONG TYPE, SCH 80, TBE, 6" LG ASTM A106 GRADE B, SCH 80	1.00	EA								
	3/4"	PIPE NIPPLE, LONG TYPE, SCH 80, PBE, 6" LG ASTM A733	1.00	EA								
	3/4"	CAP, 3000 LB, FPT, ASTM A105 CLASS 3000, SP-97	1.00	EA								
	3/4"	TEE, 3000 LB, FPT, ASME B16.11	1.00	EA								
	3/4"x3-1/2"	A193 GRADE B7 LUG BOLT, A194 GRADE 2H NUT, RF	208.00	EA								
	3/4"x3-1/2"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H NUT, FF	8.00	EA								
	3/4"x3-1/4"	A193 GRADE B7 LUG BOLT, A194 GRADE 2H NUT, RF	128.00	EA								
	3/4"x3-3/4"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H NUT, RF	32.00	EA								
	3/4"x3-3/4"	A193 GRADE B7 LUG BOLT, A194 GRADE 2H NUT, RF	64.00	EA								
	3/4"x3-3/4"	A193 GRADE B7 LUG BOLT, A194 GRADE 2H GALVANIZED NUT, RF	64.00	EA								
	3/4"x4"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H NUT, FF	24.00	EA								
	3/4"x4"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H NUT, RF	200.00	EA								
	3/4"x4"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H NUT, FF A193 GRADE B7 STUD BOLT, A194 GRADE 2H GALVANIZED NUT, FF	16.00	EA								
	3/4"x4"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H GALVANIZED NUT, FF	16.00	EA								
	3/4"x4"	SS316L A193 GRADE B8M STUD BOLT, A194 GRADE 8M NUT, RF	88.00	EA								
	3/4"x4-1/4"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H NUT, RF	112.00	EA								
	3/4"x4-1/4"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H GALVANIZED NUT, RF	24.00	EA								
	3/4"x4-1/4"	SS316L A193 GRADE B8M STUD BOLT, A194 GRADE 8M NUT, RF	32.00	EA								
	3/4"x4-1/4"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H GALVANIZED NUT, FF	16.00	EA								
	3-1/2"	THREADOLET, 3000 LB, BWXFPT, 1" LG, MSS SP-97, ASTM A105	2.00	EA								
	4"	STUB-END FOR LAP FLANGE TYPE A, SCH 10S, ASTM A403 WP403L, ASME B16.9	1.00	EA								
	4"	FLANGE LJ, 150 LB, RF, ASTM A105, ASME B16.5	1.00	EA								
	4"	GASKET, 150 LB, RESTRUCTURED PTFE, 1/8" THK, RF, GARLOCK 3510 OR EQUAL	1.00	EA								
	4"	TEE, SCH STD, BW, ASME B16.9, A234 GRADE WPB	4.00	EA								
	4"	FLANGE SO, 150 LB, RF, ASTM A105, ASME B16.5	20.00	EA								
	4"	FLANGE WN, 150 LB, RF, ASTM A105, ASME B16.5, CS	3.00	EA								
	4"	GASKET, 1/8" THK, RF, 150 LB, NON-ASBESTOS FIBER, GARLOCK 3400 OR EQUAL	24.00	EA								
	4"	ELBOW 90 LR, SCH STD, BW, ASME B16.9, ASTM A234 GRADE WPB	14.00	EA								
	4"	Y-TYPE STRAINER, RF, 150 LB, ASME B16.10	1.00	EA								
	4"	FLOW METER	1.00	EA								
	4"x1"	REDUCER (CONC), BW, ASME B16.9, SS WP304L, SCH 10S	1.00	EA								
	4"x1"	THREADOLET, 3000 LB, BWXFPT, 1" LG, MSS SP-97, ASTM A105	1.00	EA								
	4"x1/2"	THREADOLET, 3000 LB, BWXFPT, 1" LG, MSS SP-97, ASTM A105	3.00	EA								
	4"x3"	REDUCER (CONC), SCH STD, BW, ASME B16.9	2.00	EA								
	5/8"x2-3/4"	A193 GRADE B7 LUG BOLT, A194 GRADE 2H NUT, RF	8.00	EA								
	5/8"x3-1/2"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H GALVANIZED NUT, RF	28.00	EA								
	5/8"x3-1/2"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H GALVANIZED NUT, FF	8.00	EA								
	5/8"x3-1/2"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H NUT, RF	132.00	EA								
	5/8"x3-1/4"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H NUT, RF	24.00	EA								
	5/8"x3-1/4"	A193 GRADE B7 LUG BOLT, A194 GRADE 2H GALVANIZED NUT, RF	8.00	EA								
	5/8"x3-1/4"	A193 GRADE B7 LUG BOLT, A194 GRADE 2H NUT, RF	120.00	EA								
	5/8"x3-1/4"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H GALVANIZED NUT, RF	4.00	EA								
	6"	FLANGE WN, 150 LB, FF, ASME B16.5, CS	6.00	EA								
	6"	GASKET, 1/8" THK, FF, 150 LB, ASME B16.21, NON-ASBESTOS FIBER (GARLOCK 3400) OR EQUAL	8.00	EA								
	6"	FLANGE WN, 150 LB, RF, ASTM A105, ASME B16.5, CS	3.00	EA								
	6"	GASKET, 1/8" THK, RF, 150 LB, NON-ASBESTOS FIBER, GARLOCK 3400 OR EQUAL	43.00	EA								
	6"	ELBOW 90 LR, SCH STD, BW, ASME B16.9, ASTM A234 GRADE WPB	8.00	EA								
	6"	FLANGE SO, 150 LB, FF, ASME B16.5 CS	5.00	EA								
	6"	VENDOR SUPPLIED EXPANSION JOINT	2.00	EA								
	6"	FLANGE SO, 150 LB, RF, ASTM A105, ASME B16.5	35.00	EA								
	6"	EXPANSION JOINT	4.00	EA								
	6"	ELBOW 90 LR, SDR 11, FUSION, HDPE	2.00	EA								
	6"	BUTT FUSION FLANGE ADAPTER WITH 316SS BACKING FLANGE	11.00	EA								
	6"	GASKET, 150 LB, RESTRUCTURED PTFE, 1/8" THK, RF, GARLOCK 3510 OR EQUAL	11.00	EA								
	6"	MAGNETIC FLOW METER, CL 150, RF	4.00	EA								
	6"	TEE, FUSION - SDR 11 - HDPE CROSS	1.00	EA								
	6"x1"	THREADOLET, 3000 LB, BWXFPT, 1" LG, MSS SP-97, ASTM A105	1.00	EA								
	6"x1/2"	THREADOLET, 3000 LB, BWXFPT, 1" LG, MSS SP-97, ASTM A105	2.00	EA								
	6"x2"	THREADOLET, 3000 LB, BWXFPT, 1" LG, MSS SP-97, ASTM A105	10.00	EA								
	6"x3"	WELDOLET, BW, STD, 2 3/4" LG, MSS-SP-97, ASTM A234 GRADE WPB	1.00	EA								
	6"x3/4"	THREADOLET, 3000 LB, BWXFPT, 1" LG, MSS SP-97, ASTM A105	1.00	EA								
	6"x4"	REDUCER (CONC), SCH STD, BW, ASME B16.9	4.00	EA								
	6"x4"	VENDOR SUPPLIED SUCTION DIFFUSER	1.00	EA								
	7/8"x4-3/4"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H GALVANIZED NUT, RF	48.00	EA								
	8"	A193 GRADE B7 STUD BOLT, A194 GRADE 2H NUT, RF										
	8"	FLANGE WN, 150 LB, RF, ASTM A105, ASME B16.5, CS	20.00	EA								
	8"	GASKET, 1/8" THK, RF, 150 LB, NON-ASBESTOS FIBER, GARLOCK 3400 OR EQUAL	32.00	EA								
	8"	ELBOW 90 LR, SCH STD, BW, ASME B16.9, ASTM A234 GRADE WPB	16.00	EA								
	8"	TEE, SCH STD, BW, ASME B16.9, A234 GRADE WPB	10.00	EA								
	8"	FLANGE BLIND, 150 LB, RF, ASTM A105, ASME B16.5, PLATE	8.00	EA								
	8"	FLANGE SO, 150 LB, RF, ASTM A105, ASME B16.5	7.00	EA								
	8"	FLANGE SO, 150 LB, FF, ASME B16.5 CS	4.00	EA								
	8"	EXPANSION JOINT	4.00	EA								
	8"	ELBOW 90 LR, SDR 11, FUSION, HDPE	2.00	EA								
	8"	ELBOW 45 LR, SCH 10S, BW, ASME B16.9, SS 316L	3.00	EA								
	8"	STUB-END FOR LAP FLANGE TYPE A, SCH 10S, ASTM A403 WP316L, ASME B16.9	9.00	EA								
	8"	FLANGE LJ, 150 LB, RF, ASTM A105, ASME B16.5	8.00	EA								
	8"	GASKET, 150 LB, RESTRUCTURED PTFE, 1/8" THK, RF, GARLOCK 3510 OR EQUAL	15.00	EA								
	8"	ELBOW 90 LR, SCH 10S, BW, ASME B16.9, ASTM A182 F316L	6.00	EA								

						LABOR			MATERIAL	EQUIPMENT	COMPOSITE	TOTAL
	8"	FLANGE SO, 150 LB, RF, ASTM A182 F316L, ASME B16.5	1.00	EA								
	8"	TEE, SCH 10S, BW, ASME B16.9, ASTM A403 WP316L, SEAMLESS	1.00	EA								
	8"	BUTT FUSION FLANGE ADAPTER WITH 316SS BACKING FLANGE	4.00	EA								
	8"	REDUCER (CONC), BW, ASME B16.9, SS WP316L, SCH 10S	1.00	EA								
	8"	FLANGE LJ, 150 LB, FF, ASTM A105, ASME B16.5	1.00	EA								
	8"	GASKET, 150 LB, RESTRUCTURED PTFE, 1/8" THK, FF, GARLOCK 3510 OR EQUAL	2.00	EA								
	8"	FLANGED SPECIALTY ITEM, CL 150, FF	1.00	EA								
	8"x1"	THREADOLET, 3000 LB, BWXFPT, 1" LG, MSS SP-97, ASTM A105	8.00	EA								
	8"x1"	SOCKOLET, 3000 LB, BWXSW, MSS SP-97, SS F316L	2.00	EA								
	8"x2"	THREADOLET, 3000 LB, BWXFPT, 1" LG, MSS SP-97, ASTM A105	10.00	EA								
	8"x2"	WELDOLET, BW, STD, 2 3/4" LG, MSS-SP-97, ASTM A234 GRADE WPB	1.00	EA								
	8"x2"	SOCKOLET, 3000 LB, BWXSW, MSS SP-97, SS F316L	2.00	EA								
	8"x3/4"	SOCKOLET, 3000 LB, BWXSW, MSS SP-97, SS F316L	5.00	EA								
	8"x6"	REDUCER (CONC), SCH STD, BW, ASME B16.9	9.00	EA								
	8"x6"	REDUCER (CONC), SDR 11, FUSION, HDPE	2.00	EA								
	8"x6"	TEE (RED), SDR11, BUTT FUSION, HDPE	2.00	EA								
	1"	PS-01 -PIPE SUPPORT - 4" INSULATION SHOE	4.00	EA								
	1"	PS-12 -PIPE SUPPORT - (7" SQ BASE PLATE W/ (4) 4X3/4" ANCHOR BOLTS & Sch. 40 CS Base Pipe w/ 5"W Channel & Special U Bolt. No 137ss)	11.00	EA								
	1"	PS-13 -PIPE SUPPORT - (7" SQ BASE PLATE W/ (4) 4X3/4" ANCHOR BOLTS & Sch. 40 CS Base Pipe w/ 24"W C6x10.5 Channel)	2.00	EA								
	1"	PS-14 -PIPE SUPPORT - (7" SQ BASE PLATE W/ (4) 4X3/4" ANCHOR BOLTS & Sch. 40 CS Base Pipe w/ 18"W C6x10.5 Channel)	2.00	EA								
	1/2"	PS-10 -PIPE SUPPORT - Welded Clamp Hanger w/ (2') (3/8") Threaded Rod & (2) Weldness Eye Nut	6.00	EA								
	1-1/2"	PS-03 -PIPE SUPPORT - STANDARD CARBON STEEL U-BOLT ANVIL NO. 137	2.00	EA								
	1-1/2"	PS-10 -PIPE SUPPORT - Welded Clamp Hanger w/ (2') (3/8") Threaded Rod & (2) Weldness Eye Nut	17.00	EA								
	1-1/2"	PS-12 -PIPE SUPPORT - (7" SQ BASE PLATE W/ (4) 4X3/4" ANCHOR BOLTS & Sch. 40 CS Base Pipe w/ 6"W Channel & Special U Bolt. No 137ss)	4.00	EA								
	1-1/4"	PS-12 -PIPE SUPPORT - (7" SQ BASE PLATE W/ (4) 4X3/4" ANCHOR BOLTS & Sch. 40 CS Base Pipe w/ 6"W Channel & Special U Bolt. No 137ss)	1.00	EA								
	12"	PS-06 -PIPE SUPPORT - (11-1/2" SQ BASE PLATE W/ (4) 4X3/4" ANCHOR BOLTS & Sch. 40 316 ss Base pipe w/ 16"W Channel & Special U Bolt. No 137ss)	7.00	EA								
	14"	PS-06 -PIPE SUPPORT - (11-1/2" SQ BASE PLATE W/ (4) 4X3/4" ANCHOR BOLTS & Sch. 40 316 ss Base pipe w/ 18"W Channel & Special U Bolt. No 137ss)	7.00	EA								
	16"	PS-03 -PIPE SUPPORT - STANDARD CARBON STEEL U-BOLT ANVIL NO. 137	2.00	EA								
	18"	PS-06 -PIPE SUPPORT - (11-1/2" SQ BASE PLATE W/ (4) 4X3/4" ANCHOR BOLTS & Sch. 40 316 ss Base pipe w/ 22"W Channel & Special U Bolt. No 137ss)	6.00	EA								
	18"	PS-03 -PIPE SUPPORT - STANDARD CARBON STEEL U-BOLT ANVIL NO. 137	2.00	EA								
	2"	PS-01 -PIPE SUPPORT - 4" INSULATION SHOE	7.00	EA								
	2"	PS-12 -PIPE SUPPORT - (7" SQ BASE PLATE W/ (4) 4X3/4" ANCHOR BOLTS & Sch. 40 CS Base Pipe w/ 6"W Channel & Special U Bolt. No 137ss)	6.00	EA								
	2"	PS-13 -PIPE SUPPORT - (7" SQ BASE PLATE W/ (4) 4X3/4" ANCHOR BOLTS & Sch. 40 CS Base Pipe w/ 24"W C6x10.5 Channel)	2.00	EA								
	2"	PS-14 -PIPE SUPPORT - (7" SQ BASE PLATE W/ (4) 4X3/4" ANCHOR BOLTS & Sch. 40 CS Base Pipe w/ 18"W C6x10.5 Channel)	5.00	EA								
	2"	PS-16 -PIPE SUPPORT - END STOP GUIDE - CS W13X6 W/ PIPE SHOE	5.00	EA								
	2-1/2"	PS-12 -PIPE SUPPORT - (7-1/2" SQ BASE PLATE W/ (4) 4X3/4" ANCHOR BOLTS & Sch. 40 CS Base Pipe w/ 6"W Channel & Special U Bolt. No 137ss)	1.00	EA								
	24"	PS-02 -PIPE SUPPORT - 4" INSULATION SHOE	6.00	EA								
	24"	PS-03 -PIPE SUPPORT - STANDARD CARBON STEEL U-BOLT ANVIL NO. 137	6.00	EA								
	3"	PS-03 -PIPE SUPPORT - STANDARD CARBON STEEL U-BOLT ANVIL NO. 137	2.00	EA								
	3"	PS-10 -PIPE SUPPORT - Welded Clamp Hanger w/ (2') (3/8") Threaded Rod & (2) Weldness Eye Nut	14.00	EA								
	3"	PS-12 -PIPE SUPPORT - (8" SQ BASE PLATE W/ (4) 4X3/4" ANCHOR BOLTS & Sch. 40 CS Base Pipe w/ 6"W Channel & Special U Bolt. No 137ss)	7.00	EA								
	3"	PS-13 -PIPE SUPPORT - (7-1/2" SQ BASE PLATE W/ (4) 4X3/4" ANCHOR BOLTS & Sch. 40 CS Base Pipe w/ 24"W C6x10.5 Channel)	1.00	EA								
	3/4"	PS-10 -PIPE SUPPORT - Welded Clamp Hanger w/ (2') (3/8") Threaded Rod & (2) Weldness Eye Nut	2.00	EA								
	3/4"	PS-12 -PIPE SUPPORT - (7" SQ BASE PLATE W/ (4) 4X3/4" ANCHOR BOLTS & Sch. 40 CS Base Pipe w/ 4"W Channel & Special U Bolt. No 137ss)	2.00	EA								
	4"	PS-01 -PIPE SUPPORT - 4" INSULATION SHOE	14.00	EA								
	4"	PS-13 -PIPE SUPPORT - (9" SQ BASE PLATE W/ (4) 4X3/4" ANCHOR BOLTS & Sch. 40 CS Base Pipe w/ 24"W C6x10.5 Channel)	8.00	EA								
	4"	PS-15 -PIPE SUPPORT - (2) (2"x2"x3/8") ANGLE W/ PIPE SHOE	5.00	EA								
	6"	PS-01 -PIPE SUPPORT - 4" INSULATION SHOE	11.00	EA								
	6"	PS-03 -PIPE SUPPORT - STANDARD CARBON STEEL U-BOLT ANVIL NO. 137	11.00	EA								
	6"	PS-06 -PIPE SUPPORT - (11-1/2" SQ BASE PLATE W/ (4) 4X3/4" ANCHOR BOLTS & Sch. 40 316 ss Base pipe w/ 10"W Channel & Special U Bolt. No 137ss)	2.00	EA								
	6"	PS-12 -PIPE SUPPORT - (11-1/2" SQ BASE PLATE W/ (4) 4X3/4" ANCHOR BOLTS & Sch. 40 CS Base Pipe w/ 10"W Channel & Special U Bolt. No 137ss)	3.00	EA								
	6"	PS-13 -PIPE SUPPORT - (11-1/2" SQ BASE PLATE W/ (4) 4X3/4" ANCHOR BOLTS & Sch. 40 CS Base Pipe w/ 24"W C6x10.5 Channel)	11.00	EA								
	6"	PS-14 -PIPE SUPPORT - (11-1/2" SQ BASE PLATE W/ (4) 4X3/4" ANCHOR BOLTS & Sch. 40 CS Base Pipe w/ 18"W C6x10.5 Channel)	5.00	EA								
	6"	PS-15 -PIPE SUPPORT - (2) (2"x2"x3/8") ANGLE W/ PIPE SHOE	3.00	EA								
	6"-10"	PS-06 -PIPE SUPPORT - (11-1/2" SQ BASE PLATE W/ (4) 4X3/4" ANCHOR BOLTS & Sch. 40 316 ss Base pipe w/ 14"W Channel & Special U Bolt. No 137ss)	16.00	EA								
	8"	PS-01 -PIPE SUPPORT - 4" INSULATION SHOE	18.00	EA								
	8"	PS-03 -PIPE SUPPORT - STANDARD CARBON STEEL U-BOLT ANVIL NO. 137	11.00	EA								
	8"	PS-06 -PIPE SUPPORT - (11-1/2" SQ BASE PLATE W/ (4) 4X3/4" ANCHOR BOLTS & Sch. 40 316 ss Base pipe w/ 12"W Channel & Special U Bolt. No 137ss)	2.00	EA								

BUTT WELD	2.00	EA			
BUTT WELD	7.00	EA			
SOCKET WELD	14.00	EA			
WELDED CONNECTION	10.00	EA			
BUTT WELD	88.00	EA			
WELDOLET	2.00	EA			
BUTT WELD	108.00	EA			
BUTT WELD	152.00	EA			
WET WELD	1.00	EA			
BUTT WELD	6.00	EA			
BUTT WELD	5.00	EA			
Subtotal					
Total.					
Add wastage of materials					
Add Contractor's overhead & profit @ 15%					
G.Total					