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MARK	QTY	SIZE	DESCRIPTION	LENGTH	MARK	QTY	SIZE	DESCRIPTION	LENGTH	MARK	QTY	SIZE	DESCRIPTION	LENGTH	MARK	QTY	SIZE	DESCRIPTION	LENGTH
1	1	3/4"	PIPE, API 5L, XH, GRADE B, SMLS, DRL, PE	29'-10"	73	2	1/2"	(4) STUD BOLTS FOR 3/4" 150LB FLANGES, ASTM A-193, GR. B7 W/TWO (2) ASTM A-194, GR. 2H, HEAVY HEX NUTS EACH	2 3/4"	91	2	3/4"	GASKET, ANSI 150, FLEXITALLIC SPIRAL WOUND, TYPE "CGI", 304/316 SS WINDINGS, FLEXITALLIC CGI CENTERING RING		150	10	1/2"	BALL VALVE, SERIES 800 WOG 3000#, FNPT, REDUCED PORT, 316 SS BALL AND TRIM, SS BODY, PTFE SEATS, API 6D OR ASME B16.34, FIRE SAFE DESIGN	1"
2	1	1"	PIPE, API 5L, XH, GRADE B, SMLS, DRL, PE	55'-8"															
3	1	1 1/2"	PIPE, API 5L, XH, GRADE B, SMLS, DRL, PE	4'-7"															
4	1	2"	PIPE, API 5L, XH, GRADE B, SMLS, DRL, PE	28'-5"	74	2	1/2"	(4) STUD BOLTS FOR 1 1/2" 150LB FLANGES, ASTM A-193, GR. B7 W/TWO (2) ASTM A-194, GR. 2H, HEAVY HEX NUTS EACH	3"	92	2	1 1/2"	GASKET, ANSI 150, FLEXITALLIC SPIRAL WOUND, TYPE "CGI", 304/316 SS WINDINGS, FLEXITALLIC CGI CENTERING RING		151	23	3/4"	BALL VALVE, SERIES 800 WOG 3000#, FNPT, REDUCED PORT, 316 SS BALL AND TRIM, SS BODY, PTFE SEATS, API 6D OR ASME B16.34, FIRE SAFE DESIGN	2"
5	1	2"	PIPE, API 5L, XH, GRADE B, SMLS, DRL, PE, FBE COATED 14-16 MILS	161'-1"															
5A	-	-	-	-	75	4	5/8"	(4) STUD BOLTS FOR 2" 150LB FLANGES, ASTM A-193, GR. B7 W/TWO (2) ASTM A-194, GR. 2H, HEAVY HEX NUTS EACH	4"	93	4	2"	GASKET, ANSI 150, FLEXITALLIC SPIRAL WOUND, TYPE "CGI", 316 SS WINDINGS, FLEXITALLIC CGI CENTERING RING		152	12	1"	BALL VALVE, SERIES 800 WOG 3000#, FNPT, REDUCED PORT, 316 SS BALL AND TRIM, SS BODY, PTFE SEATS, API 6D OR ASME B16.34, FIRE SAFE DESIGN	2"
5B	-	-	-	-															
6	1	4"	PIPE, API 5L, STD, GRADE B, SMLS, DRL, PE	17'-8"	76	18	5/8"	(8) STUD BOLTS FOR 2" 600LB FLANGES, ASTM A-193, GR. B7 W/TWO (2) ASTM A-194, GR. 2H, HEAVY HEX NUTS EACH	5"	94	20	2"	GASKET, ANSI 600, FLEXITALLIC SPIRAL WOUND, TYPE "CGI", 316 SS WINDINGS, FLEXITALLIC CGI CENTERING RING		153	11	2"	BALL VALVE, SERIES 800 WOG 3000#, FNPT, FULL PORT, 316 SS BALL AND TRIM, SS BODY, PTFE SEATS, API 6D OR ASME B16.34, FIRE SAFE DESIGN	3"
7	1	4"	PIPE, API 5L, STD, GRADE B, SMLS, DRL, PE, FBE COATED 14-16 MILS	104'-2"															
8	1	6"	PIPE, API 5L, STD, GRADE B, SMLS, DRL, PE	48'-6"	77	11	5/8"	(8) STUD BOLTS FOR 4" 150LB FLANGES, ASTM A-193, GR. B7 W/TWO (2) ASTM A-194, GR. 2H, HEAVY HEX NUTS EACH	4"	94A	-	-			154	2	2"	BALL VALVE, ANSI 150, RFFE, FULL PORT, 316 SS BALL AND TRIM, PTFE SEATS, API 6D, FIRE SAFE DESIGN	7"
9	-	-	-	-															
10	1	8"	PIPE, API 5L, STD, GRADE B, SMLS, DRL, PE	48'-3"	78	6	7/8"	(8) STUD BOLTS FOR 4" 600LB FLANGES, ASTM A-193, GR. B7 W/TWO (2) ASTM A-194, GR. 2H, HEAVY HEX NUTS EACH	6"	95	9	4"	GASKET, ANSI 150, FLEXITALLIC SPIRAL WOUND, TYPE "CGI", 316 SS WINDINGS, FLEXITALLIC CGI CENTERING RING		155	9	2"	BALL VALVE, ANSI 600, RFFE, FULL PORT, 316 SS BALL AND TRIM, PTFE SEATS, API 6D, FIRE SAFE DESIGN	1'-0"
11	1	8"	PIPE, API 5L, STD, GRADE B, SMLS, DRL, PE, FBE COATED 14-16 MILS	83'-4"															
12	1	10"	PIPE, API 5L, STD, GRADE B, ERW, DRL, PE	72'-5"	79	15	3/4"	(8) STUD BOLTS FOR 6" 150LB FLANGES, ASTM A-193, GR. B7 W/TWO (2) ASTM A-194, GR. 2H, HEAVY HEX NUTS EACH	4"	96	7	4"	GASKET, ANSI 600, FLEXITALLIC SPIRAL WOUND, TYPE "CGI", 316 SS WINDINGS, FLEXITALLIC CGI CENTERING RING		156	8	8"	GATE VALVE, ANSI 150, RFFE, FULL PORT, SLAB GATE, FABRICATED STEEL BODY, C.S. ENP GATE, VITON SEATS, API-6D, FIRE SAFE DESIGN	1'-0"
13	1	10"	PIPE, API 5L, STD, GRADE B, ERW, DRL, PE, FBE COATED 14-16 MILS	654'-6"															
14	1	12"	PIPE, API 5L, STD, GRADE B, ERW, DRL, PE	24'-0"	80	-	-			97	14	6"	GASKET, ANSI 150, FLEXITALLIC SPIRAL WOUND, TYPE "CGI", 316 SS WINDINGS, FLEXITALLIC CGI CENTERING RING		157	5	10"	GATE VALVE, ANSI 150, RFFE, FULL PORT, SLAB GATE, FABRICATED STEEL BODY, C.S. ENP GATE, VITON SEATS, API-6D, FIRE SAFE DESIGN	1'-1"
15	1	12"	PIPE, API 5L, STD, GRADE B, ERW, DRL, PE, FBE COATED 14-16 MILS	549'-8"															
16	1	16"	PIPE, API 5L, STD, X-42, ERW, DRL, PE	28'-10"	81	1	1 1/8"	(12) STUD BOLTS FOR 6" 900LB FLANGES, ASTM A-193, GR. B7 W/TWO (2) ASTM A-194, GR. 2H, HEAVY HEX NUTS EACH	8"	98	-	-			158	2	10"	GATE VALVE, ANSI 600, RFFE, FULL CONDUIT, SLAB GATE, FABRICATED STEEL BODY, C.S. ENP GATE, VITON SEATS, API-6D, FIRE SAFE DESIGN	2'-7"
17	1	16"	PIPE, API 5L, STD, X-42, ERW, DRL, PE, FBE COATED 14-16 MILS	399'-4"															
18	1	1"	PIPE, COPPER	18'-7"	82	22	3/4"	(8) STUD BOLTS FOR 8" 150LB FLANGES, ASTM A-193, GR. B7 W/TWO (2) ASTM A-194, GR. 2H, HEAVY HEX NUTS EACH	5"	99	1	6"	GASKET, ANSI 900, FLEXITALLIC SPIRAL WOUND, TYPE "CGI", 316 SS WINDINGS, FLEXITALLIC CGI CENTERING RING		159	2	4"	DBL B&B PLUG VALVE, 150LB FLG, REGULAR PATTERN (EST WGT)	9"
19	1	3/4"	FLEXIBLE HOSE	4'-5"															
20	1	2"	FLEXIBLE HOSE	5'-1"															
20A	2	4"	FLEXIBLE HOSE, BRAIDED	19' EA															
21	25	2"	ELL, 90° LR, ASTM A-234, BUTT WELD, STD WALL, WPB		83	2	3/4"	(8) STUD BOLTS FOR 8" 150LB FLANGES WITH SPECTACLE BLIND, ASTM A-193, GR. B7 W/TWO (2) ASTM A-194, GR. 2H, HEAVY HEX NUTS EACH	5"	100	28	8"	GASKET, ANSI 150, FLEXITALLIC SPIRAL WOUND, TYPE "CGI", 316 SS WINDINGS, FLEXITALLIC CGI CENTERING RING		160	6	6"	DBL B&B PLUG VALVE, 150LB FLG, REGULAR PATTERN (EST WGT)	11"
22	10	4"	ELL, 90° LR, ASTM A-234, BUTT WELD, STD WALL, WPB																
23	12	6"	ELL, 90° LR, ASTM A-234, BUTT WELD, STD WALL, WPB		83A	1	7/8"	(12) STUD BOLTS FOR 8" 300LB FLANGES, ASTM A-193, GR. B7 W/TWO (2) ASTM A-194, GR. 2H, HEAVY HEX NUTS EACH	5-3/4"	101	1	8"	GASKET, ANSI 300, FLEXITALLIC SPIRAL WOUND, TYPE "CGI", 316 SS WINDINGS, FLEXITALLIC CGI CENTERING RING		161	1	2"	CHECK VALVE, ANSI 600, RFFE, FULL CONDUIT W/BONNET COVER, API 6D, 13 CR TRIM, SWING TYPE, HF SEAT	1'-0"
24	12	8"	ELL, 90° LR, ASTM A-234, BUTT WELD, STD WALL, WPB																
25	24	10"	ELL, 90° LR, ASTM A-234, BUTT WELD, STD WALL, WPB																
26	12	12"	ELL, 90° LR, ASTM A-234, BUTT WELD, STD WALL, WPB		84	1	1 3/8"	(12) STUD BOLTS FOR 8" 900LB FLANGES, ASTM A-193, GR. B7 W/TWO (2) ASTM A-194, GR. 2H, HEAVY HEX NUTS EACH	9"	102	1	8"	GASKET, ANSI 900, FLEXITALLIC SPIRAL WOUND, TYPE "CGI", 316 SS WINDINGS, FLEXITALLIC CGI CENTERING RING		162	2	8"	CHECK VALVE, ANSI 150, RFFE, FULL CONDUIT W/BONNET COVER, API 6D, 13 CR TRIM, SWING TYPE, HF SEAT	1'-8"
27	12	16"	ELL, 90° LR, ASTM A-234, STD WALL, WPHY-46																
28	2	1"	ELL, 45°, COPPER, SWEAT FITTING																
29	10	1"	ELL, 90°, COPPER, SWEAT FITTING		85	14	7/8"	(12) STUD BOLTS FOR 10" 150LB FLANGES, ASTM A-193, GR. B7 W/TWO (2) ASTM A-194, GR. 2H, HEAVY HEX NUTS EACH	5"	103	18	10"	GASKET, ANSI 150, FLEXITALLIC SPIRAL WOUND, TYPE "CGI", 316 SS WINDINGS, FLEXITALLIC CGI CENTERING RING		163	2	10"	CHECK VALVE, ANSI 150, RFFE, FULL CONDUIT W/BONNET COVER, API 6D, 13 CR TRIM, SWING TYPE, HF SEAT	2'-1"
30	5	2"	TEE, ASTM A-234, BUTT WELD, STD WALL, WPB																
30A	1	4"	TEE, ASTM A-234, BUTT WELD, STD WALL, WPB																
31	4	6"	TEE, ASTM A-234, BUTT WELD, STD WALL, WPB		86	2	7/8"	(12) STUD BOLTS FOR 10" 150LB FLANGES WITH SPECTACLE BLIND, ASTM A-193, GR. B7 W/TWO (2) ASTM A-194, GR. 2H, HEAVY HEX NUTS EACH	6"	104	1	10"	GASKET, ANSI 300, FLEXITALLIC SPIRAL WOUND, TYPE "CGI", 316 SS WINDINGS, FLEXITALLIC CGI CENTERING RING		164	3	10"	CHECK VALVE, ANSI 600, RFFE, FULL CONDUIT W/BONNET COVER, API 6D, 13 CR TRIM, SWING TYPE, HF SEAT	2'-7"
32	9	8"	TEE, ASTM A-234, BUTT WELD, STD WALL, WPB																
33	9	10"	TEE, ASTM A-234, BUTT WELD, STD WALL, WPB																
34	3	2"	FLG, ANSI 150 RFWN, ASTM A-105, XH, WPB		87	13	1 1/4"	(16) STUD BOLTS FOR 10" 600LB FLANGES, ASTM A-193, GR. B7 W/TWO (2) ASTM A-194, GR. 2H, HEAVY HEX NUTS EACH	9"	105	17	10"	GASKET, ANSI 600, FLEXITALLIC SPIRAL WOUND, TYPE "CGI", 316 SS WINDINGS, FLEXITALLIC CGI CENTERING RING		165	2	10"x2"	THRED-O-LET, ASTM A-105, FNPT, 3000#, GRADE B	
35	17	2"	FLG, ANSI 600 RFWN, ASTM A-105, XH, WPB																
35A	-	-	-	-															
36	7	4"	FLG, ANSI 150 RFWN, ASTM A-105, STD WALL, WPB		88	2	1 1/4"	(16) STUD BOLTS FOR 10" 600LB FLANGES WITH SPECTACLE BLIND, ASTM A-193, GR. B7 W/TWO (2) ASTM A-194, GR. 2H, HEAVY HEX NUTS EACH	11"	106	-	-			166	11	3/4"x1"	RELIEF VALVE, 800LB THRD	
37	6	4"	FLG, ANSI 600 RFWN, ASTM A-105, STD WALL, WPB																
37A	2	4"	FLG, RFWN 150LB																
38	14	6"	FLG, ANSI 150 RFWN, ASTM A-105, STD WALL, WPB		88A	1	1"	(16) STUD BOLTS FOR 10" 300LB FLANGES, ASTM A-193, GR. B7 W/TWO (2) ASTM A-194, GR. 2H, HEAVY HEX NUTS EACH	6 1/2"	107	1	12"	GASKET, ANSI 150, FLEXITALLIC SPIRAL WOUND, TYPE "CGI", 316 SS WINDINGS, FLEXITALLIC CGI CENTERING RING		167	1	6"	RELIEF VALVE, ANSI 150, RFFE, RUPTURE PIN MODEL "D"	
39	-	-	-	-															
40	1	6"	FLG, ANSI 900 RFWN, ASTM A-105, STD WALL, WPB																
41	26	8"	FLG, ANSI 150 RFWN, ASTM A-105, STD WALL, WPB		89	-	-			108	10	1/4"	NIPPLE, ASTM A-106, MNPT, SCH. 160, GRADE B TBE	3"	168	2	8"	BLIND, SPECTACLE, 150LB, ASTM A-105	1"
42	1	8"	FLG, ANSI 300 RFWN, ASTM A-105, STD WALL, WPB							109	6	1/2"	NIPPLE, ASTM A-106, MNPT, SCH. 160, GRADE B TBE	3"	169	2	10"	BLIND, SPECTACLE, 150LB, ASTM A-105	1"
43	1	8"	FLG, ANSI 900 RFWN, ASTM A-105, STD WALL, WPB							110	10	1/2"	NIPPLE, ASTM A-106, MNPT, SCH. 160, GRADE B TBE	5"	170	2	10"	BLIND, SPECTACLE, 600LB, ASTM A-105	1"
44	17	10"	FLG, ANSI 150 RFWN, ASTM A-105, STD WALL, WPB		90	-	-			111	62	3/4"	NIPPLE, ASTM A-106, MNPT, SCH. 160, GRADE B TBE	3"	171	3	3/4"	CHECK VALVE, 3000#, FNPT	
45	1	10"	FLG, ANSI 300 RFWN, ASTM A-105, STD WALL, WPB							112	1	1"	NIPPLE, ASTM A-106, MNPT, SCH. 160, GRADE B TBE	CLOSE	172	2	8"x3/4"	ELBOW-O-LET, ASTM A-105, FNPT, 3000#, GRADE B	
46	16	10"	FLG, ANSI 600 RFWN, ASTM A-105, STD WALL, WPB							113	22	1"	NIPPLE, ASTM A-106, MNPT, SCH. 160, GRADE B TBE	3"	173	-	-	-	
47	1	4"	CAP, ASTM A-234, BUTT WELD, STD WALL, WPB		90A	1	7/8"	(12) STUD BOLTS FOR 12" 150LB FLANGES, ASTM A-193, GR. B7 W/TWO (2) ASTM A-194, GR. 2H, HEAVY HEX NUTS EACH	5"	114	21	1"	NIPPLE, ASTM A-106, MNPT, SCH. 160, GRADE B TBE	6"	174	2	10"x1"	THRED-O-LET, ASTM A-105, FNPT, 3000#, GRADE B	
48	1	12"	FLG, ANSI 150 RFWN, ASTM A-105, STD WALL, WPB							115	-	-			175	1	10"x1"	ELBOW-O-LET, ASTM A-105, FNPT, 3000#, GRADE B	
48A	2	16"	FLG, ANSI 150 RFWN, ASTM A-105, STD WALL, WPHY-46							116	4	1 1/2"	NIPPLE, ASTM A-106, MNPT, SCH. 160, GRADE B TBE	3"	176	1	8"x1"	ELBOW-O-LET, ASTM A-105, FNPT, 3000#, GRADE B	
49	2	3/4"	FLG, RF, FNPT, 150LB		90B	2	1"	(16) STUD BOLTS FOR 16" 150LB FLANGES, ASTM A-193, GR. B7 W/TWO (2) ASTM A-194, GR. 2H, HEAVY HEX NUTS EACH	5-3/4"	117	14	2"	NIPPLE, ASTM A-106, MNPT, SCH. 160, GRADE B TBE	3"	177	3	1"x3/4"	COUPLING RED, FNPT, ASTM A-105	
50	2	1 1/2"	FLG, RF, FNPT, 150LB							118	15	2"	NIPPLE, ASTM A-106, MNPT, SCH. 160, GRADE B TBE	6"	178	1	4"	DBL B&B PLUG VALVE, 600LB FLG, REGULAR PATTERN (EST WGT)	17"
51	1	2"	FLG, ANSI 600, FNPT, XS BORE, ASTM A-105, GRADE B							119	1	2"x3/4"	SWAGE, CONC., ASTM A-105, FNPT, SCH. 160, WPB		179	1	1"x3/4"	TEE, RED. ASTM A-106, FNPT, 3000#, GRADE B	
52	1	2"	FLG, RF BLIND 150LB, ASTM A-105							120	8	1/2"x1/4"	BUSHING, THRD 3000LB, HEXAGON HEAD (LADISH PART NO. 600),(LGT,THD.(LE)&THD.(SE) PER ASME B16.11-2001)		180	1	3/4"x1/2"	BUSHING, THRD 3000LB, HEXAGON HEAD	