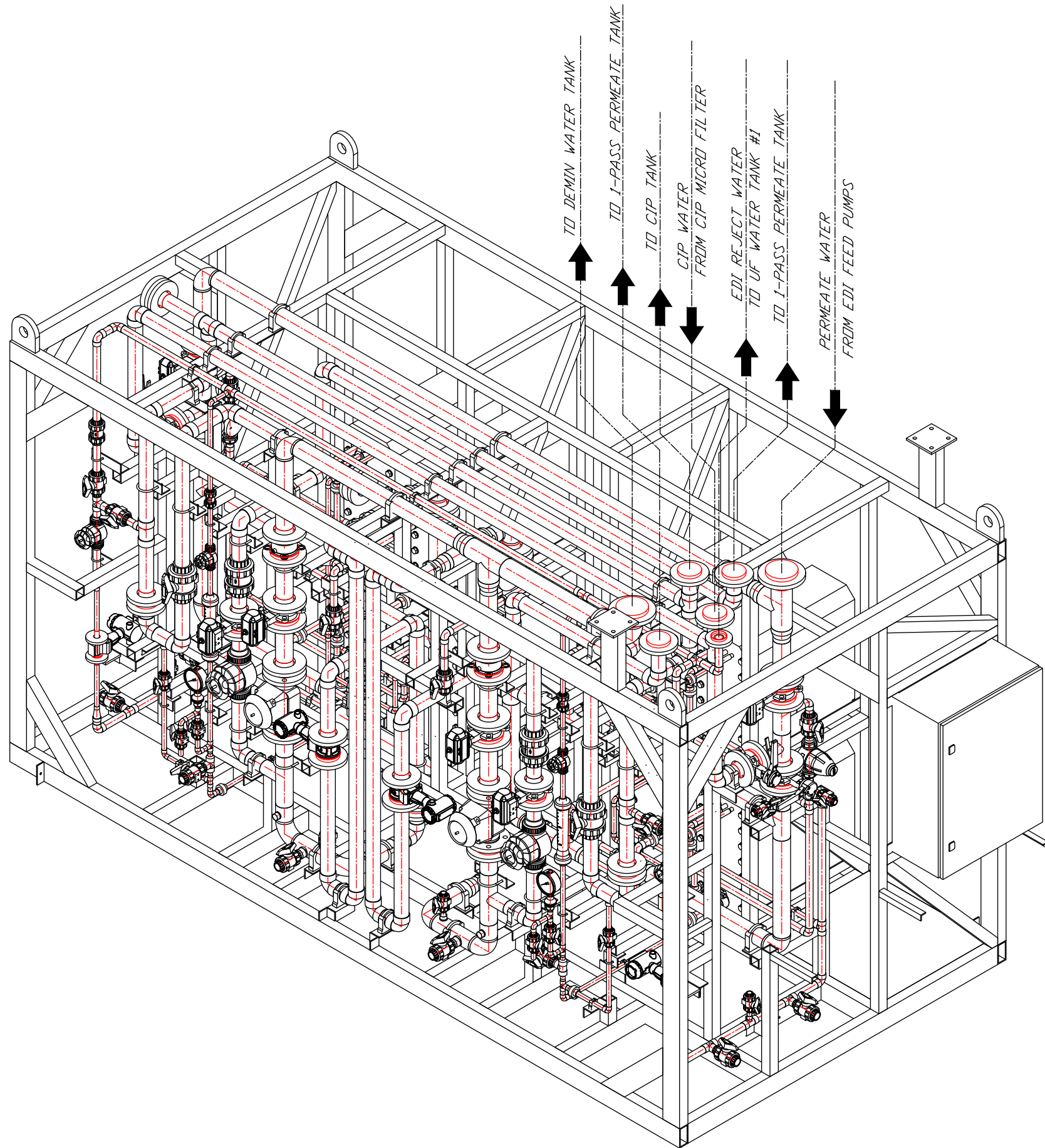
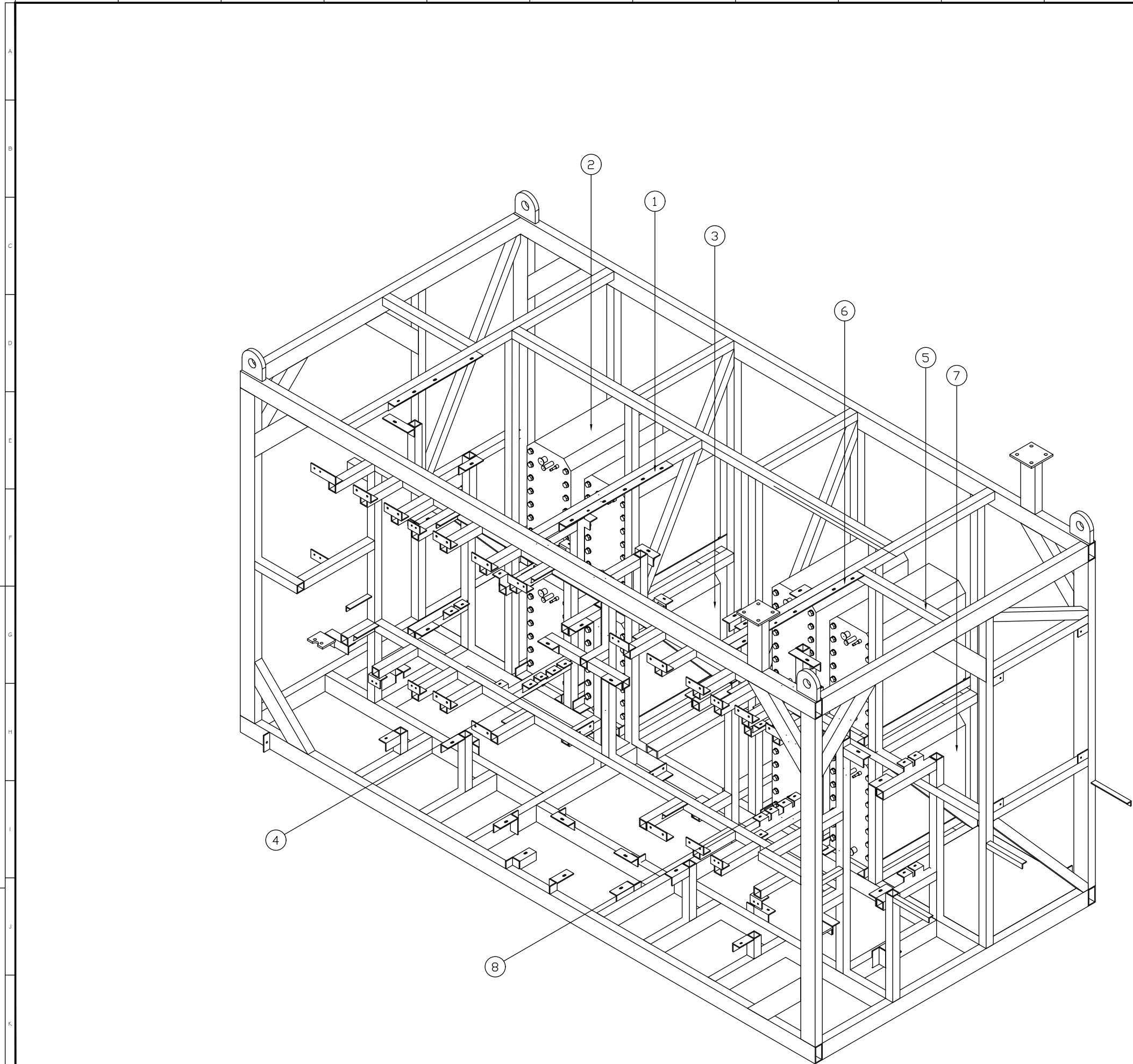




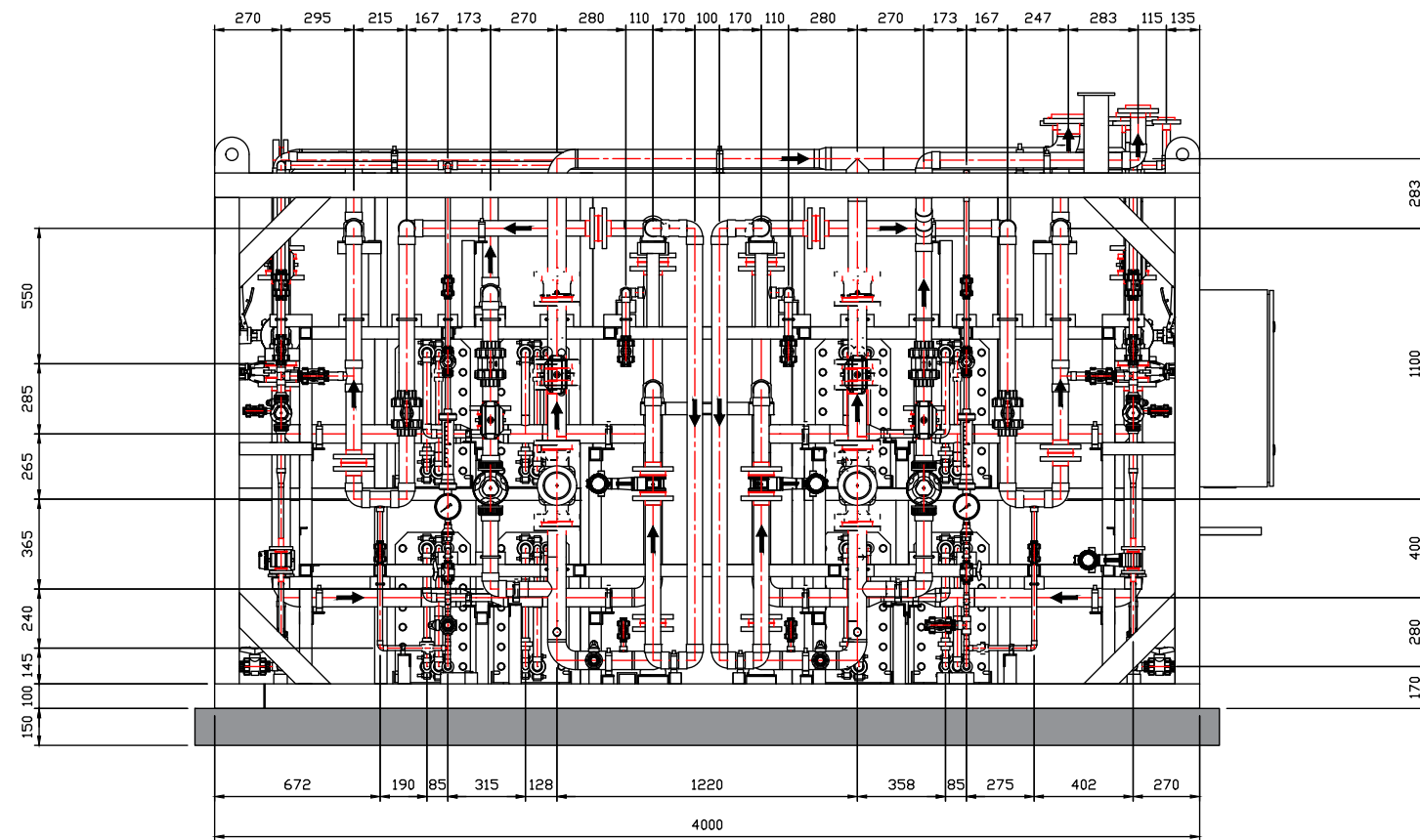
ID	DRAWING NUMBER	DRAWING DESCRIPTION
1	EDI-SKD-000	DOSSIER COVER
2	EDI-SKD-001	EQUIPMENT OVERVIEW
3	EDI-TUB-001	ASSEMBLY DRAWING
4	EDI-BOM-001	PIPING AND INSTRUMENTATION BOM
5	EDI-TUB-002	VALVES AND INSTRUMENTATION OVERVIEW
5	EDI-STR-001	STRUCTURE OVERVIEW AND MATERIAL LIST DRAWING
6	EDI-STR-002	SKID TO PIPING RACK JOINT PLATE DETAILED DRAWING
7	EDI-ISO-00A	ISOMETRIC DRAWING INDEX AND OVERVIEW
9	EDI-ISO-001-030	ISOMETRIC DRAWINGS

TÍTULO: TITLE:	PLANO-DWG DRAWING-DWG:
DOSIER COVER	EDI-SKD-000
PROYECTO: PROJECT:	HOJA SHEET:
OSTROLEKA PROJECT	I
	REV. REV.
	00

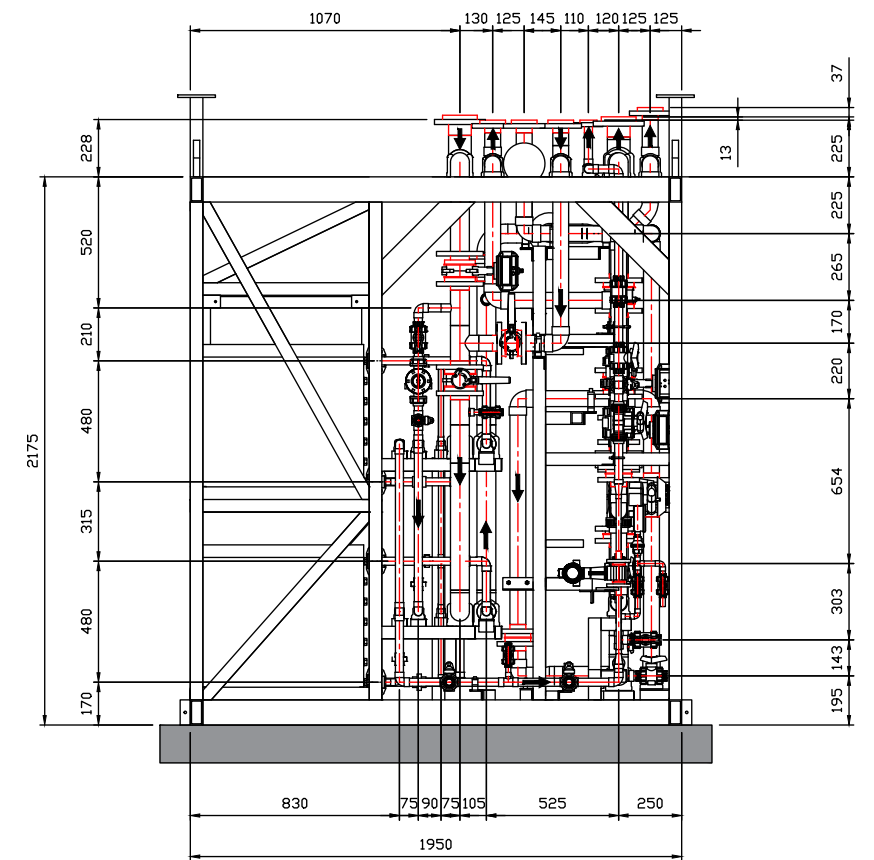


EQUIPMENT			
ID	TAG	WEIGHT	DESCRIPTION
MISC EQUIPMENT			
1	11GCF91AT001-1	43	ELECTRODEIONIZATION RACK 1 - CELL 1
2	11GCF91AT001-2	43	ELECTRODEIONIZATION RACK 1 - CELL 2
3	11GCF91AT001-3	43	ELECTRODEIONIZATION RACK 1 - CELL 3
4	11GCF91AT001-4	43	ELECTRODEIONIZATION RACK 1 - CELL 4
5	11GCF92AT001-1	43	ELECTRODEIONIZATION RACK 2 - CELL 1
6	11GCF92AT001-2	43	ELECTRODEIONIZATION RACK 2 - CELL 2
7	11GCF92AT001-3	43	ELECTRODEIONIZATION RACK 2 - CELL 3
8	11GCF92AT001-4	43	ELECTRODEIONIZATION RACK 2 - CELL 4

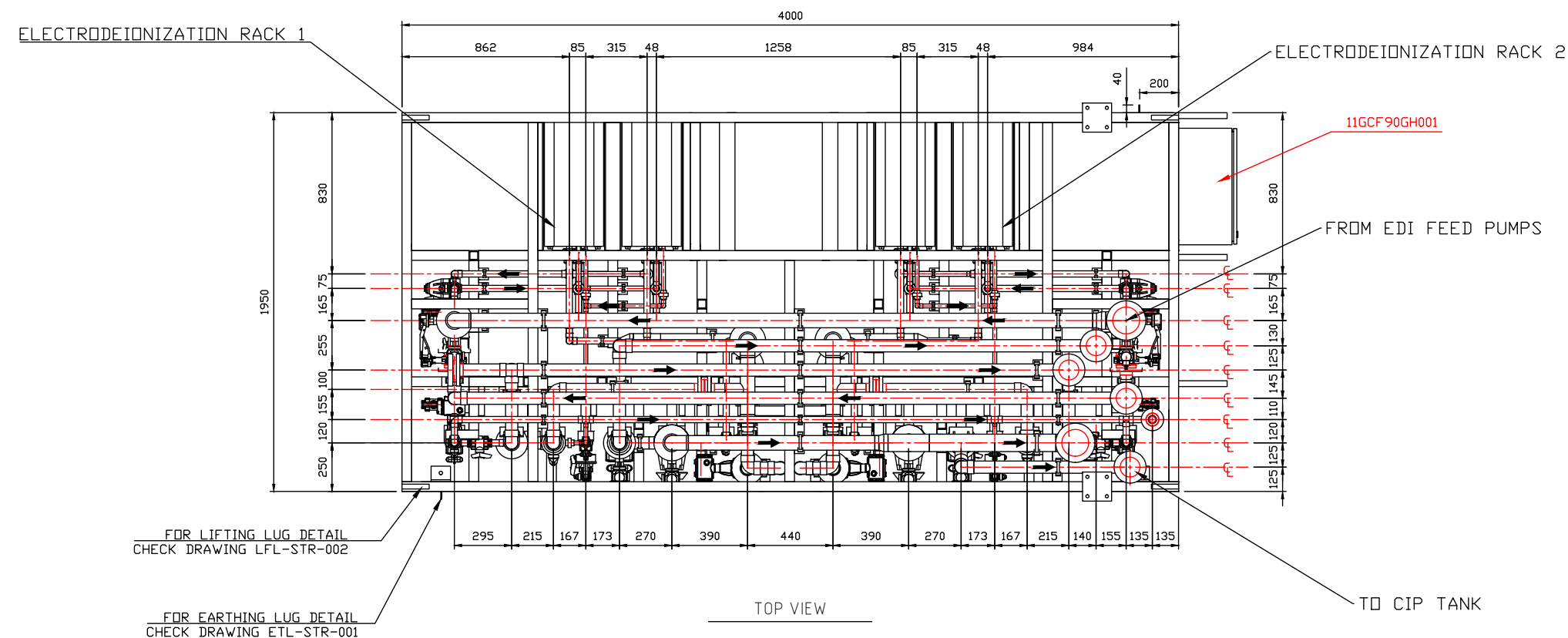
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EQUIPMENT OVERVIEW		EDI-5KD-001	
PROYECTO: PROJECT	OSTROLEKA PROJECT	HOJA SHEET	2
		REV. REV.	00



FRONTAL VIEW



LEFT VIEW



TÍTULO: TITLE:		PLANO-DWG DRAWING-DWG	
ASSEMBLY DRAWING		EDI-TUB-001	
PROYECTO: PROJECT:	OSTROLEKA PROJECT	HOJA SHEET	3
		REV. REV.	00

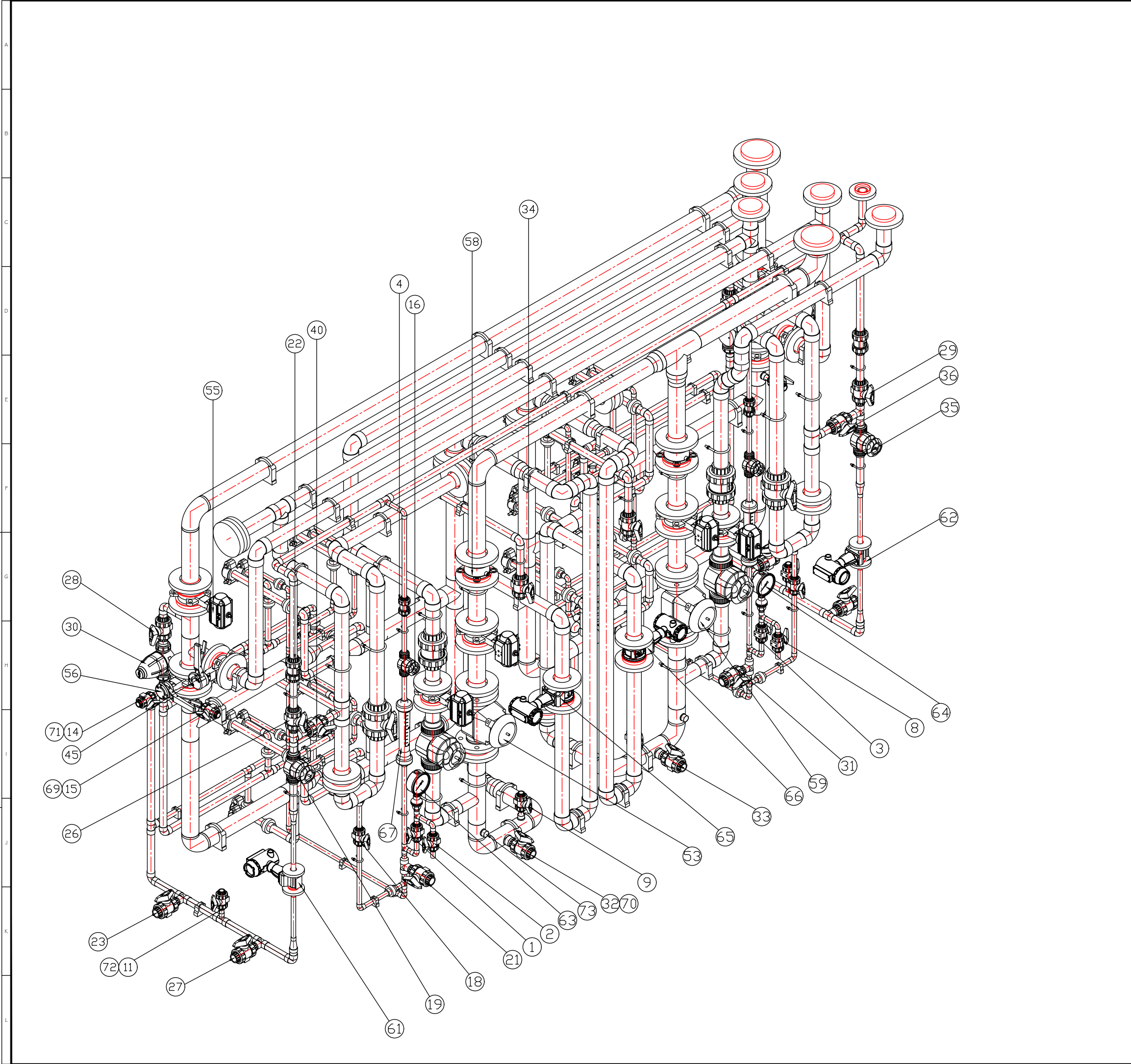
BILL OF MATERIALS						
ID	ND	DESCRIPTION	SCH/CLASS	END TYPE	QTY	MATERIAL
PIPE						
1	2"	Pipe, PL, PP-R, DIN 8077/78, PN10, SDR11, DN50 (d63)	PN10	PL	25175.01	Polipropylene Random Copolymer
2	1/2"	Pipe, PL, PP-R, DIN 8077/78, PN10, SDR11, DN15 (d20)	PN10	PL	11582.13	Polipropylene Random Copolymer
3	3/4"	Pipe, PL, PP-R, DIN 8077/78, PN10, SDR11, DN20 (d25)	PN10	PL	5610.62	Polipropylene Random Copolymer
4	3"	Pipe, PL, PP-R, DIN 8077/78, PN10, SDR11, DN80 (d90)	PN10	PL	651	Polipropylene Random Copolymer
5	1/2"	Pipe, PL, PP-H, DIN 8077/78, PN10, SDR11, DN15 (d20)	PN10	PL	2496.1	Polipropylene Homopolymer
6	1"	Pipe, PL, PP-R, DIN 8077/78, PN10, SDR11, DN25 (d32)	PN10	PL	14948.95	Polipropylene Random Copolymer
7	1"	Pipe, PL, PP-H, DIN 8077/78, PN10, SDR11, DN25 (d32)	PN10	PL	12208.27	Polipropylene Homopolymer
8	2 1/2"	Pipe, PL, PP-H, DIN 8077/78, PN10, SDR11, DN65 (d75)	PN10	PL	3651.29	Polipropylene Homopolymer
9	3/4"	Pipe, PL, PP-H, DIN 8077/78, PN10, SDR11, DN20 (d25)	PN10	PL	2899	Polipropylene Homopolymer
10	2 1/2"	Pipe, PL, PP-R, DIN 8077/78, PN10, SDR11, DN65 (d75)	PN10	PL	10087.71	Polipropylene Random Copolymer
11	2"	Pipe, PL, PP-H, DIN 8077/78, PN10, SDR11, DN50 (d63)	PN10	PL	4712.59	Polipropylene Homopolymer
FITTINGS						
12	1/2"	Threaded Bushing Metric R Thread, THDF, PP-R, PN10, DN15, d20 x 1/2" Thread	PN10	PL	2	Polipropylene Random Copolymer
13	1"x1/2"	Concentric Reducer, BV, PP-R, DIN 8077/78, PN10, SDR11, DN 25x15	PN10	BV	4	Polipropylene Random Copolymer
14	1/2"	3 Piece Union, SW, PVC-U, PN10, DN15(d20)	PN10	SW	12	Polipropylene Random Copolymer
15	3/4"	3 Piece Union, SW, PVC-U, PN10, DN20(d25)	PN10	SW	16	Polipropylene Random Copolymer
16	2"	Straight Tee 90°, BV, PP-R, DIN 8077/78, PN10, SDR11, DN50(d63)	PN10	BV	1	Polipropylene Random Copolymer
17	2"	Straight Tee 90°, SW, PP-R, DIN 8077/78, PN10, SDR11, DN50(d63)	PN10	SW	2	Polipropylene Random Copolymer
18	1/2"	Elbow 45°, SW, PP-R, DIN 8077/78, PN10, SDR11, DN15(d20)	PN10	SW	1	Polipropylene Random Copolymer
19	3"	Bend 90°, BV, PP-R, DIN 8077/78, PN10, SDR11, DN80(d90)	PN10	BV	1	Polipropylene Random Copolymer
20	1"x3/4"	Concentric Reducer, BV, PP-R, DIN 8077/78, PN10, SDR11, DN 25x20	PN10	BV	8	Polipropylene Random Copolymer
21	2"	Elbow 45°, SW, PP-R, DIN 8077/78, PN10, SDR11, DN50(d63)	PN10	SW	2	Polipropylene Random Copolymer
22	3"x2 1/2"	Concentric Reducer, BV, PP-R, DIN 8077/78, PN10, SDR11, DN 80x65	PN10	BV	4	Polipropylene Random Copolymer
23	2 1/2"x2"	Concentric Reducer, BV, PP-R, DIN 8077/78, PN10, SDR11, DN 65x50	PN10	BV	4	Polipropylene Random Copolymer
24	3/4"	VIctaulic 77S, Stainless Steel, DN20	PN10	GRV	16	Stainless Steel 316

25	1"	VIctaulic 77S, Stainless Steel, DN25	PN10	GRV	16	Stainless Steel 316
26	1"x1/2"	Concentric Reducer, SW, PP-R, DIN 8077/78, PN10, SDR11, DN25(d32)xDN15(d20)	PN10	SW	4	Polipropylene Random Copolymer
27	3"	Straight Tee 90°, BV, PP-R, DIN 8077/78, PN10, SDR11, DN80(d90)	PN10	BV	2	Polipropylene Random Copolymer
28	1"	3 Piece Union, SW, PVC-U, PN10, DN25(d32)	PN10	SW	16	Polipropylene Random Copolymer
29	2"	Elbow 90°, SW, PP-R, DIN 8077/78, PN10, SDR11, DN50(d63)	PN10	SW	37	Polipropylene Random Copolymer
30	1"x1/2"	Reduction Tee 90°, SW, PP-R, DIN 8077/78, PN10, SDR11, DN25(d32)xDN25(d32)xDN15(d20)	PN10	SW	6	Polipropylene Random Copolymer
31	1"x3/4"x1"	Reduction Tee 90°, SW, PP-R, DIN 8077/78, PN10, SDR11, DN25(d32)xDN25(d32)xDN20(d25)	PN10	SW	6	Polipropylene Random Copolymer
32	2 1/2"x1"	Reduction Tee 90°, BV, PP-R, DIN 8077/78, PN10, SDR11, DN65(d75)xDN65(d75)xDN25(d32)	PN10	BV	9	Polipropylene Random Copolymer
33	2 1/2"	Bend 90°, BV, PP-R, DIN 8077/78, PN10, SDR11, DN65(d75)	PN10	BV	12	Polipropylene Random Copolymer
34	2 1/2"	Straight Tee 90°, BV, PP-R, DIN 8077/78, PN10, SDR11, DN65(d75)	PN10	BV	4	Polipropylene Random Copolymer
35	1"	Straight Tee 90°, SW, PP-R, DIN 8077/78, PN10, SDR11, DN25(d32)	PN10	SW	13	Polipropylene Random Copolymer
36	1"	Elbow 90°, SW, PP-R, DIN 8077/78, PN10, SDR11, DN25(d32)	PN10	SW	42	Polipropylene Random Copolymer
37	2 1/2"x1"	Concentric Reducer, BV, PP-R, DIN 8077/78, PN10, SDR11, DN 65x25	PN10	BV	8	Polipropylene Random Copolymer
38	3/4"	Straight Tee 90°, SW, PP-R, DIN 8077/78, PN10, SDR11, DN20(d25)	PN10	SW	2	Polipropylene Random Copolymer
39	1/2"	Straight Tee 90°, SW, PP-R, DIN 8077/78, PN10, SDR11, DN15(d20)	PN10	SW	12	Polipropylene Random Copolymer
40	2 1/2"x1"	Reduction Tee 90°, BV, PP-H, DIN 8077/78, PN10, SDR11, DN65 (d75) x DN25 (d32)	PN10	BV	1	Polipropylene Homopolymer
41	2"x1"	Reduction Tee 90°, SW, PP-R, DIN 8077/78, PN10, SDR11, DN50(d63)xDN50(d63)xDN25(d32)	PN10	SW	2	Polipropylene Random Copolymer
42	1/2"	Elbow 90°, SW, PP-R, DIN 8077/78, PN10, SDR11, DN15(d20)	PN10	SW	21	Polipropylene Random Copolymer
43	3/4"	Elbow 90°, SW, PP-R, DIN 8077/78, PN10, SDR11, DN20(d25)	PN10	SW	24	Polipropylene Random Copolymer
44	2 1/2"x2"	Extended Reduction Tee 90°, BV, PP-R, DIN 8077/78, PN10, SDR11, DN65(d75)xDN65(d75)xDN50(d65)	PN10	BV	4	Polipropylene Random Copolymer
45	2 1/2"x2"	Reduction Tee 90°, BV, PP-H, DIN 8077/78, PN10, SDR11, DN65 (d75) x DN50 (d63)	PN10	BV	2	Polipropylene Homopolymer
FLANGES						

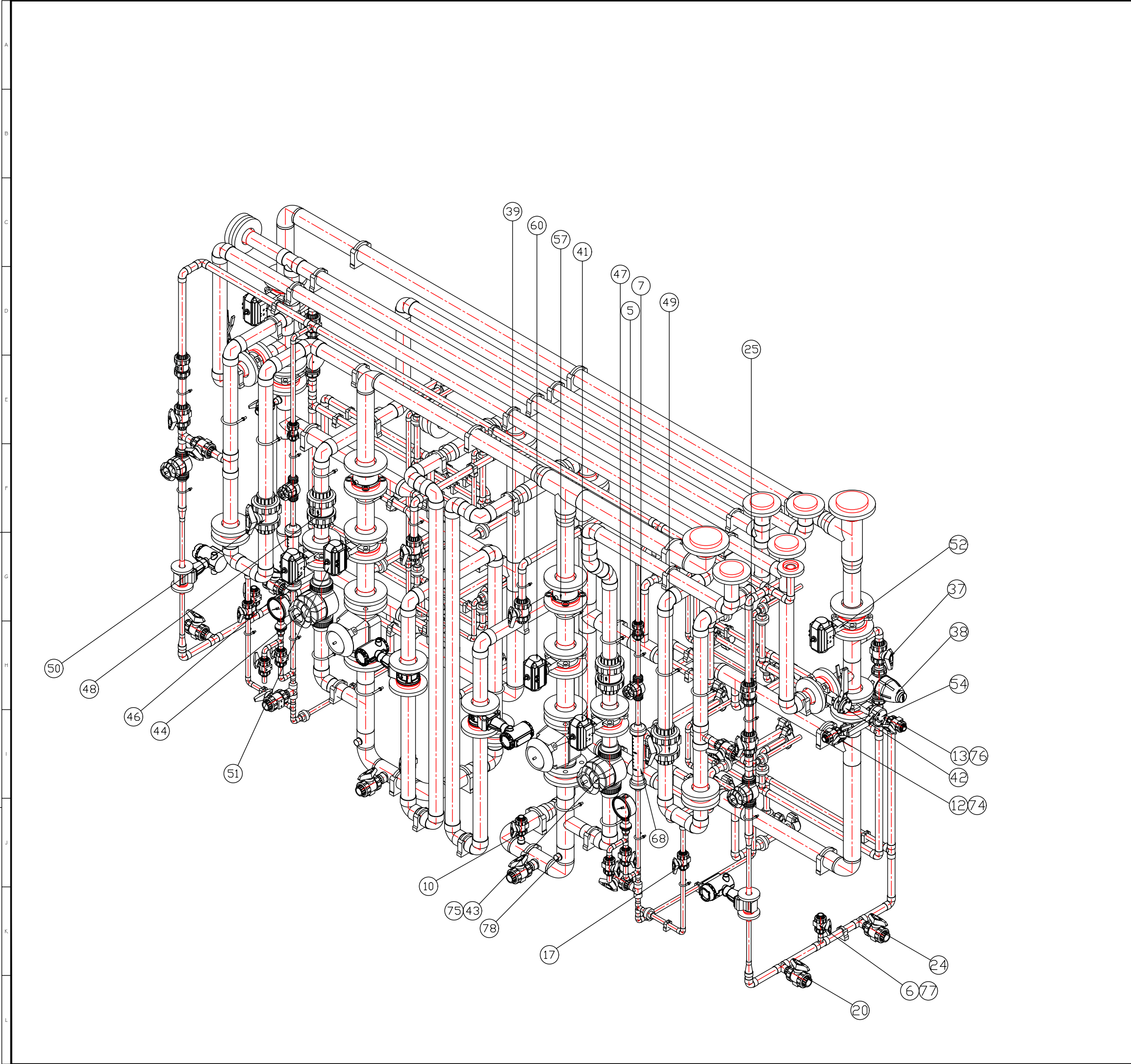
TITULO: PIPING AND INSTRUMENTATION BOM			PLAND-DWG EDT-BOM-001	
PROYECTO: PROJECT:	OSTROLEKA PROJECT			HOJA SHEET
			4	REV. REV.
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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A	46	3"	Backing Flange, FF, PP-Steel, DIN 2501, PN10, DN80	PN10	FL	2			Polipropylene (30% GRP) with steel ring							
	47	2"	Blind Flange, FF, PP-V, DIN 2527, PN10, DN50	PN10	FL	1			Polipropylene Homopolymer							
	48	1/2"	Backing Flange, FF, PP-Steel, DIN 2501, PN10, DN15	PN10	FL	4			Polipropylene (30% GRP) with steel ring							
B	49	2 1/2"	Backing Flange, FF, PP-Steel, DIN 2501, PN10, DN65	PN10	FL	24			Polipropylene (30% GRP) with steel ring							
	50	2"	Backing Flange, FF, PP-Steel, DIN 2501, PN10, DN50	PN10	FL	29			Polipropylene (30% GRP) with steel ring							
	51	1"	Backing Flange, FF, PP-Steel, DIN 2501, PN10, DN25	PN10	FL	1			Polipropylene (30% GRP) with steel ring							
C	VALVES															
	52	2"	Check Valve, Cone, SW, PP-H, PN10, DN50, d63	PN10	SW	2			Polipropylene Homopolymer							
	53	1"	Diaphragm valve, Manual, SW, PP-H, PN10, DN25, d32	PN10	SW	2			Polipropylene Homopolymer							
D	54	1/2"	Diaphragm valve, Manual, SW, PP-H, PN10, DN15, d20	PN10	SW	2			Polipropylene Homopolymer							
	55	2"	Ball Valve, Manual, SW, PP-H, PN10, DN50, d63	PN10	SW	2			Polipropylene Homopolymer							
	56	1"	Check Valve, Cone, SW, PP-H, PN10, DN25, d32	PN10	SW	4			Polipropylene Homopolymer							
E	57	1/2"	Check Valve, Cone, SW, PP-H, PN10, DN15, d20	PN10	SW	2			Polipropylene Homopolymer							
	58	1/2"	Ball Valve, Manual, SW, PP-H, PN10, DN15, d20	PN10	SW	14			Polipropylene Homopolymer							
	59	2 1/2"	Butterfly Valve, Manual, WF, Cast Iron Body with Stainless Steel Disc, PN10, DN65	PN10	WF	2			Cast Iron Body with Stainless Steel Disc							
F	60	2"	Butterfly Valve, Manual, WF, Cast Iron Body with Stainless Steel Disc, PN10, DN50	PN10	WF	2			Cast Iron Body with Stainless Steel Disc							
	61	2"	Diaphragm valve, Manual, SW, PP-H, PN10, DN50, d63	PN10	SW	2			Polipropylene Homopolymer							
	62	1"	Pressure Regulating Valve, SW, PP-H, PN10, DN25, d32	PN10	SW	2			Polipropylene Homopolymer							
H	63	1"	Ball Valve, Manual, SW, PP-H, PN10, DN25, d32	PN10	SW	14			Polipropylene Homopolymer							
	64	2 1/2"	Swing Check Valve, WF, PP-R, PN10, DN65, d75	PN10	WF	2			Polipropylene Random Copolymer							
	65	2"	Butterfly Valve, Pneumatic, WF, Cast Iron Body with Stainless Steel Disc, PN10, DN50	PN10	WF	2			Cast Iron Body with Stainless Steel Disc							
I	66	2 1/2"	Diaphragm valve, Manual, FL, PP-H, PN10, DN20, d25	PN10	FL	2			Polipropylene Homopolymer							
	67	2 1/2"	Butterfly Valve, Pneumatic, WF, Cast Iron Body with Stainless Steel Disc, PN10, DN65	PN10	WF	4			Cast Iron Body with Stainless Steel Disc							
	OLETS															
K	68	2 1/2"x1"	Coupling For Welding, SW, PP-R, PN10, DN25 (d32)	PN10	PL	4			Polipropylene Random Copolymer							
	69	2 1/2"x1/2"	Coupling For Welding, SW, PP-R, PN10, DN15 (d20)	PN10	PL	6			Polipropylene Random Copolymer							
	70	2"x1/2"	Coupling For Welding, SW, PP-R, PN10, DN15 (d20)	PN10	PL	2			Polipropylene Random Copolymer							
L	FASTENERS															
	71	1/2"	Ring Gasket, FF, PTFE / EPDM, DIN 1514-1, PN10, DN15, t= 3mm	PN10	Undefined_ET	4			PTFE / EPDM							
	72	1"	Stub Flange, BV, FF, PP-R, ISO 10931, PN10, SDR11, DN25	PN10	LAP	1			Polipropylene Random Copolymer							

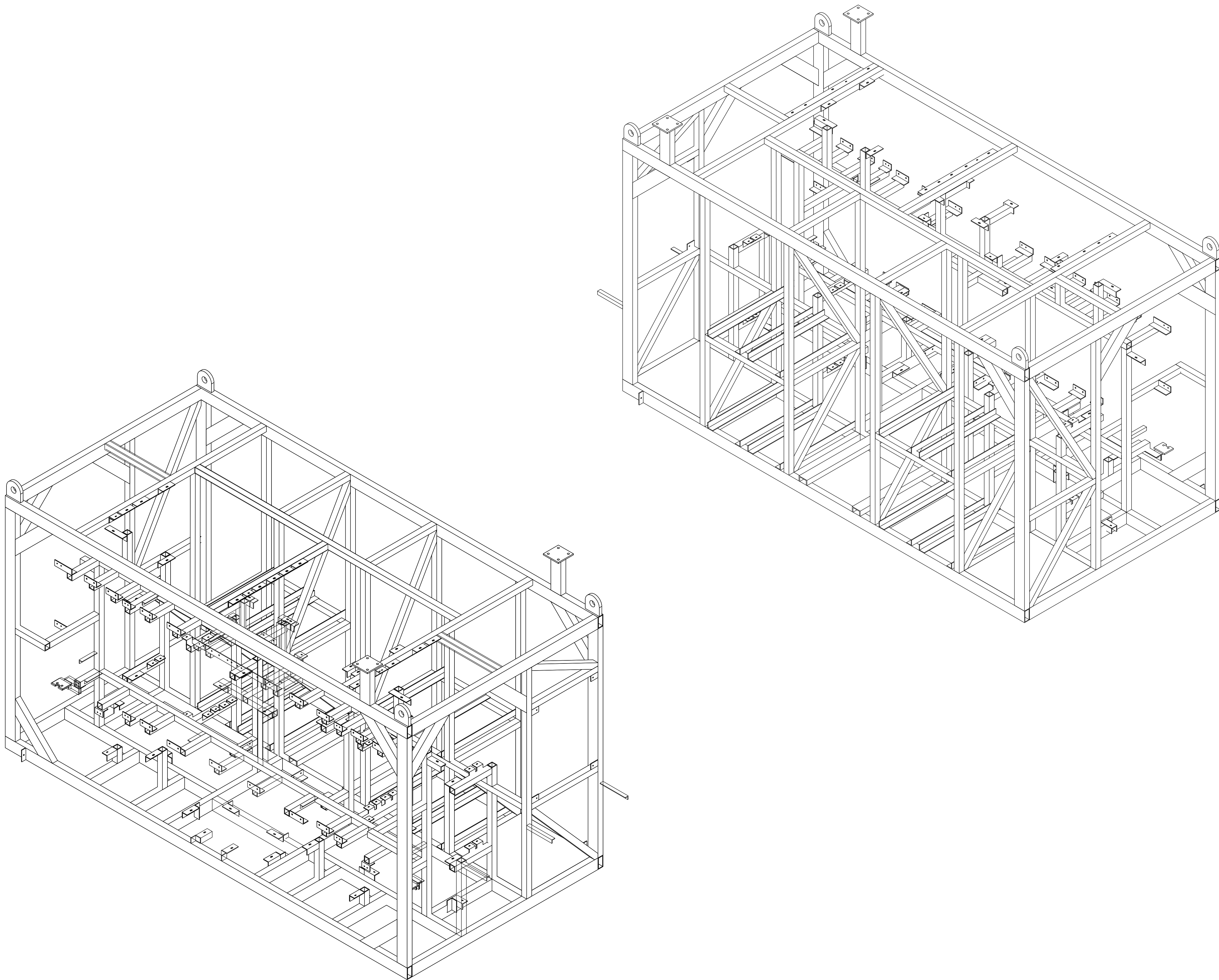
73	1/2"	Stub Flange, BV, FF, PP-R, ISO 10931, PN10, SDR11, DN15	PN10	LAP	4			Polipropylene Random Copolymer
74	3"	Stub Flange, BV, FF, PP-R, ISO 10931, PN10, SDR11, DN80	PN10	LAP	2			Polipropylene Random Copolymer
75	M12x160	Stud Bolt M12 x 160 Lg. For Pipes System PP-H, EN 10269, 1.4401, Dimen. Accord. to DIN 933, w/2 Heavy Hex. Nut DIN 934, w/2 Washer DIN 125 A	PN10		8			Stainless Steel 316
76	M16x180	Stud Bolt M16 x 180 Lg. For Pipes System PP-H, EN 10269, 1.4401, Dimen. Accord. to DIN 933, w/2 Heavy Hex. Nut DIN 934, w/2 Washer DIN 125 A	PN10		52			Stainless Steel 316
77	M16x140	Stud Bolt M16 x 140 Lg. For Pipes System PP-H, EN 10269, 1.4401, Dimen. Accord. to DIN 933, w/2 Heavy Hex. Nut DIN 934, w/2 Washer DIN 125 A	PN10		56			Stainless Steel 316
78	2 1/2"	Ring Gasket, FF, PTFE / EPDM, DIN 1514-1, PN10, DN65, t= 4mm	PN10	Undefined_ET	16			PTFE / EPDM
79	2 1/2"	Stub Flange, BV, FF, PP-R, ISO 10931, PN10, SDR11, DN65	PN10	LAP	24			Polipropylene Random Copolymer
80	2"	Stub Flange, BV, FF, PP-R, ISO 10931, PN10, SDR11, DN50	PN10	LAP	29			Polipropylene Random Copolymer
81	2"	Ring Gasket, FF, PTFE / EPDM, DIN 1514-1, PN10, DN50, t= 4mm	PN10	Undefined_ET	9			PTFE / EPDM
INSTRUMENTS								
82	1/2"	Vortex Flowmeter, WF, ASME B16.5, PN10, DN15	PN10	WF	2			
83	2"	Vortex Flowmeter, WF, ASME B16.5, PN10, DN50	PN10	WF	2			
84	1/2"	ROTAMETRO DE BOYA, ENCOLAR, DN15	PN10	SW	2			PVC-U, TUBO DE POLISULFON
85	1/2"	Pressure gauge Vertical, DN15		THDM	2			
PIPE SUPPORTS								
86	2 1/2"	KLIP-IT Pipe Clip Support, PE, DN65 (d75)		PL	18			PE
87	1"	KLIP-IT Pipe Clip Support, PE, DN25 (d32)		PL	19			PE
88	2"	KLIP-IT Pipe Clip Support, PE, DN50 (d63)		PL	24			PE
89	1/2"	KLIP-IT Pipe Clip Support, PE, DN15 (d20)		PL	8			PE
90	3"	KLIP-IT Pipe Clip Support, PE, DN80 (d90)		PL	1			PE
91	2 1/2"	Abarcón con 2x Arandela y Tuerca ISO 4032, Acero Inoxidable, DN65		Undefined_ET	4			Acero Inoxidable
92	2"	Abarcón con 2x Arandela y Tuerca ISO 4032, Acero Inoxidable, DN50		Undefined_ET	10			Acero Inoxidable
93	1"	Abarcón con 2x Arandela y Tuerca ISO 4032, Acero Inoxidable, DN25		Undefined_ET	6			Acero Inoxidable
94	3/4"	KLIP-IT Pipe Clip Support, PE, DN20 (d25)		PL	12			PE
95	1/2"	Abarcón con 2x Arandela y Tuerca ISO 4032, Acero Inoxidable, DN15		Undefined_ET	6			Acero Inoxidable



BILL OF MATERIALS			
ID	TAG	ND	DESCRIPTION
VALVES			
1	11GCF91AA705	DN15	Ball Valve, Manual, SW, PP-H, PN10
2	-	DN15	Ball Valve, Manual, SW, PP-H, PN10
3	11GCF92AA705	DN15	Ball Valve, Manual, SW, PP-H, PN10
4	11GCF91AA010	DN15	Check Valve, Cone, SW, PP-H, PN10
8	-	DN15	Ball Valve, Manual, SW, PP-H, PN10
9	11GCF91AA702	DN15	Ball Valve, Manual, SW, PP-H, PN10
11	11GCF91AA704	DN15	Ball Valve, Manual, SW, PP-H, PN10
14	11GCF91AA703	DN15	Ball Valve, Manual, SW, PP-H, PN10
15	11GCF91AA701	DN15	Ball Valve, Manual, SW, PP-H, PN10
16	11GCF91AA009	DN15	Diaphragm valve, Manual, SW, PP-H, PN10
18	11GCF91AA407	DN15	Ball Valve, Manual, SW, PP-H, PN10
19	11GCF91AA006	DN25	Diaphragm valve, Manual, SW, PP-H, PN10
21	11GCF91AA604	DN25	Ball Valve, Manual, SW, PP-H, PN10
22	11GCF91AA008	DN25	Check Valve, Cone, SW, PP-H, PN10
23	11GCF91AA605	DN25	Ball Valve, Manual, SW, PP-H, PN10
26	11GCF91AA007	DN25	Ball Valve, Manual, SW, PP-H, PN10
27	11GCF91AA603	DN25	Ball Valve, Manual, SW, PP-H, PN10
28	11GCF91AA002	DN25	Ball Valve, Manual, SW, PP-H, PN10
29	11GCF92AA007	DN25	Ball Valve, Manual, SW, PP-H, PN10
30	11GCF91AA071	DN25	Pressure Regulating Valve, SW, PP-H, PN10
31	11GCF92AA604	DN25	Ball Valve, Manual, SW, PP-H, PN10
32	11GCF91AA602	DN25	Ball Valve, Manual, SW, PP-H, PN10
33	11GCF92AA602	DN25	Ball Valve, Manual, SW, PP-H, PN10
34	11GCF91AA601	DN25	Ball Valve, Manual, SW, PP-H, PN10
35	11GCF92AA006	DN25	Diaphragm valve, Manual, SW, PP-H, PN10
36	11GCF92AA406	DN25	Ball Valve, Manual, SW, PP-H, PN10
40	11GCF91AA4066	DN25	Ball Valve, Manual, SW, PP-H, PN10
45	11GCF38AA001	DN50	Butterfly Valve, Manual, WF, Stainless Steel, PN10
53	11GCF91AA004	DN65	Diaphragm valve, Manual, SW, PP-H, PN10
55	11GCF91AA081	DN65	Butterfly Valve, Pneumatic, WF, Stainless Steel, PN10
56	11GCF91AA001	DN65	Butterfly Valve, Manual, WF, Stainless Steel, PN10
58	11GCF91AA005	DN65	Swing Check Valve, WF, PP-R, PN10
59	11GCF92AA004	DN65	Diaphragm valve, Manual, FL, PP-H, PN10
INSTRUMENTS			
61	11GCF91CF002	DN15	Vortex Flowmeter, WF, ASME B16.5, PN10
62	11GCF92CF002	DN15	Vortex Flowmeter, WF, ASME B16.5, PN10
63	11GCF91CP501	DN15	Pressure gauge Vertical
64	11GCF92CP501	DN15	Pressure gauge Vertical
65	11GCF91CF001	DN50	Vortex Flowmeter, WF, ASME B16.5, PN10
66	11GCF92CF001	DN50	Vortex Flowmeter, WF, ASME B16.5, PN10
67	11GCF91CF301	DN15	Rotameter, PVC-U, PN10
69	11GCF91CP001	DN15	Pressure Indicator Transmitter
70	11GCF91CP002	DN15	Pressure Indicator Transmitter
71	11GCF91CP003	DN15	Pressure Indicator Transmitter
72	11GCF91CP004	DN15	Pressure Indicator Transmitter
73	11GCF91CQ001	DN15	Quality Analyzer



BILL OF MATERIALS			
ID	TAG	ND	DESCRIPTION
VALVES			
5	11GCF92AA009	DN15	Diaphragm valve, Manual, SW, PP-H, PN10
6	11GCF92AA704	DN15	Ball Valve, Manual, SW, PP-H, PN10
7	11GCF92AA010	DN15	Check Valve, Cone, SW, PP-H, PN10
10	11GCF92AA702	DN15	Ball Valve, Manual, SW, PP-H, PN10
12	11GCF92AA701	DN15	Ball Valve, Manual, SW, PP-H, PN10
13	11GCF92AA703	DN15	Ball Valve, Manual, SW, PP-H, PN10
17	11GCF92AA408	DN15	Ball Valve, Manual, SW, PP-H, PN10
20	11GCF92AA603	DN25	Ball Valve, Manual, SW, PP-H, PN10
24	11GCF92AA605	DN25	Ball Valve, Manual, SW, PP-H, PN10
25	11GCF92AA008	DN25	Check Valve, Cone, SW, PP-H, PN10
37	11GCF92AA002	DN25	Ball Valve, Manual, SW, PP-H, PN10
38	11GCF92AA071	DN25	Pressure Regulating Valve, SW, PP-H, PN10
39	11GCF92AA601	DN25	Ball Valve, Manual, SW, PP-H, PN10
41	11GCF92AA481	DN50	Butterfly Valve, Pneumatic, WF, Stainless Steel, PN10
42	11GCF38AA002	DN50	Butterfly Valve, Manual, WF, Stainless Steel, PN10
43	11GCF92AA402	DN50	Diaphragm valve, Manual, SW, PP-H, PN10
44	11GCF91AA402	DN50	Diaphragm valve, Manual, SW, PP-H, PN10
46	11GCF91AA481	DN50	Butterfly Valve, Pneumatic, WF, Stainless Steel, PN10
47	11GCF92AA403	DN50	Check Valve, Cone, SW, PP-H, PN10
48	11GCF91AA403	DN50	Check Valve, Cone, SW, PP-H, PN10
49	11GCF92AA404	DN50	Ball Valve, Manual, SW, PP-H, PN10
50	11GCF91AA404	DN50	Ball Valve, Manual, SW, PP-H, PN10
51	11GCF91AA082	DN65	Butterfly Valve, Pneumatic, WF, Stainless Steel, PN10
52	11GCF92AA081	DN65	Butterfly Valve, Pneumatic, WF, Stainless Steel, PN10
54	11GCF92AA001	DN65	Butterfly Valve, Manual, WF, Stainless Steel, PN10
57	11GCF92AA005	DN65	Swing Check Valve, WF, PP-R, PN10
60	11GCF92AA082	DN65	Butterfly Valve, Pneumatic, WF, Stainless Steel, PN10
INSTRUMENTS			
68	11GCF92CF301	DN15	Rotameter, PVC-U, PN10
74	11GCF92CP001	DN15	Pressure Indicator Transmitter
75	11GCF92CP002	DN15	Pressure Indicator Transmitter
76	11GCF92CP003	DN15	Pressure Indicator Transmitter
77	11GCF92CP004	DN15	Pressure Indicator Transmitter
78	11GCF92CQ001	DN15	Quality Analyzer



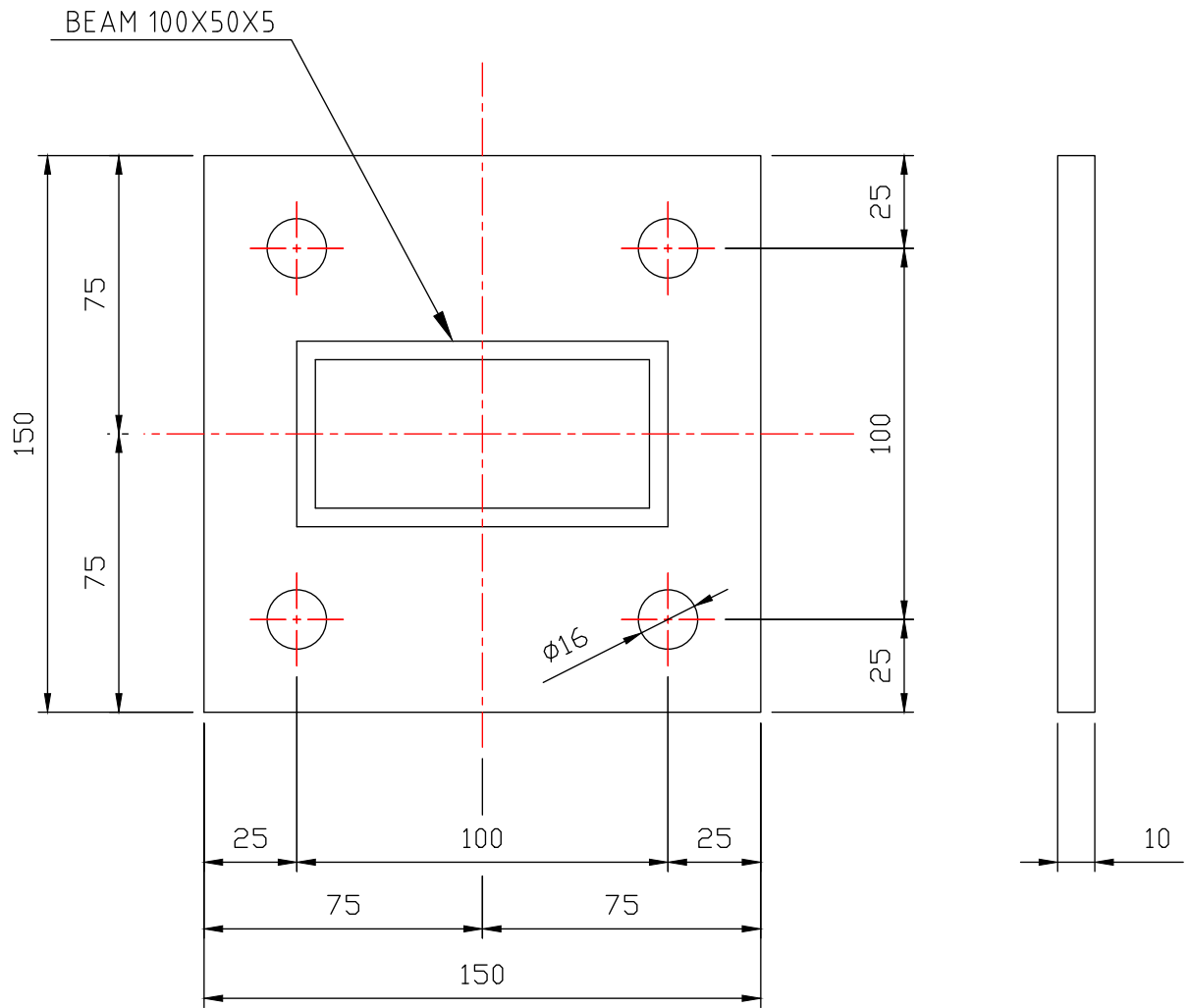
TITULO: TITLE: STRUCTURE OVERVIEW AND MATERIAL LIST DRAWING		PLANO-DWG DRAWING-DWG EDI-STR-001	
PROYECTO: PROJECT:	OSTROLEKA PROJECT	HQJA SHEET	REV. REV. 00

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A																
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ID	DESCRIPTION	LENGTH	PART WEIGHT (Kg)	QUANTITY	TOTAL WIGHT (Kg)	MATERIAL
1	RHS100x50x5	4000	42	4	168	Steel S235JR
2	RHS100x50x5	1975	20,7	4	83	Steel S235JR
3	RHS100x50x5	1850	19,4	4	77,7	Steel S235JR
4	RHS100x50x5	660	6,9	4	27,7	Steel S235JR
5	RHS100x50x5	1470	15,4	2	30,9	Steel S235JR
6	RHS100x50x5	1140	12	2	23,9	Steel S235JR
7	RHS100x50x5	600	6,3	2	12,6	Steel S235JR
8	RHS100x50x5	490	5,1	4	20,6	Steel S235JR
9	RHS100x50x5	3900	41	1	41	Steel S235JR
10	RHS100x50x5	524	5,5	10	55	Steel S235JR
11	RHS100x50x5	315	3,3	2	6,6	Steel S235JR
12	RHS50x5	245	1,6	8	12,8	Steel S235JR
13	RHS50x5	270	1,8	8	14,2	Steel S235JR
14	RHS50x5	745	4,9	6	29,3	Steel S235JR
15	RHS50x5	660	4,3	9	39	Steel S235JR
16	RHS50x5	1975	13	6	77,7	Steel S235JR
17	RHS50x5	450	3	4	11,8	Steel S235JR
18	RHS50x5	370	2,4	4	9,7	Steel S235JR
19	RHS50x5	350	2,3	4	9,2	Steel S235JR
20	RHS50x5	225	1,5	4	5,9	Steel S235JR
21	RHS50x5	165	1,1	4	4,3	Steel S235JR
22	RHS50x5	1850	12,1	2	24,3	Steel S235JR
23	RHS50x5	2025	13,3	2	26,6	Steel S235JR
24	RHS50x5	1400	9,2	2	18,4	Steel S235JR
25	RHS50x5	600	3,9	2	7,9	Steel S235JR
26	RHS50x5	960	6,3	2	12,6	Steel S235JR
27	RHS50x5	785	5,1	2	10,3	Steel S235JR
28	RHS50x5	490	3,2	2	6,4	Steel S235JR
29	RHS50x5	295	1,9	2	3,9	Steel S235JR
30	RHS50x5	255	1,7	2	3,3	Steel S235JR
31	RHS50x5	120	0,8	2	1,6	Steel S235JR
32	RHS50x5	3310	21,7	1	21,7	Steel S235JR
33	RHS50x5	3210	21,1	1	21,1	Steel S235JR
34	RHS50x5	1555	10,2	1	10,2	Steel S235JR
35	RHS50x5	1435	9,4	1	9,4	Steel S235JR
36	RHS50x5	240	1,6	2	3,1	Steel S235JR
37	RHS50x5	995	6,5	5	32,6	Steel S235JR
38	RHS50x5	1230	8,1	2	16,1	Steel S235JR
39	RHS50x5	325	2,1	2	4,3	Steel S235JR
40	RHS50x5	2600	17,1	1	17,1	Steel S235JR
41	RHS50x5	1396	9,2	2	18,3	Steel S235JR
42	RHS50x5	1352	8,9	1	8,9	Steel S235JR
43	RHS50x5	1140	7,5	1	7,5	Steel S235JR
44	RHS50x5	995	6,5	1	6,5	Steel S235JR
45	RHS50x5	733	4,8	1	4,8	Steel S235JR
46	L50X5	50	0,2	4	0,8	Steel S235JR
47	L50X5	760	2,9	16	45,8	Steel S235JR
48	L50X5	120	0,5	8	4	Steel S235JR
49	L50X5	105	0,4	1	0,4	Steel S235JR
50	L50X5	100	0,4	6	2,3	Steel S235JR
51	L50X5	80	0,3	6	1,8	Steel S235JR
52	L50X5	125	0,5	1	0,5	Steel S235JR
53	L50X5	135	0,5	4	2	Steel S235JR
54	L50X5	125	0,5	1	0,5	Steel S235JR

55	L50X5	100	0,4	2	0,8	Steel S235JR
56	L50X5	100	0,4	2	0,8	Steel S235JR
57	L50X5	175	0,7	1	0,7	Steel S235JR
58	L50X5	175	0,7	1	0,7	Steel S235JR
59	L50X5	170	0,6	1	0,6	Steel S235JR
60	L50X5	170	0,6	1	0,6	Steel S235JR
61	L50X5	140	0,5	1	0,5	Steel S235JR
62	L50X5	140	0,5	1	0,5	Steel S235JR
63	L50X5	120	0,5	1	0,5	Steel S235JR
64	L50X5	120	0,5	1	0,5	Steel S235JR
65	L50X5	105	0,4	1	0,4	Steel S235JR
66	L50X5	60	0,2	23	5,2	Steel S235JR
67	L50X5	70	0,3	1	0,3	Steel S235JR
68	L50X5	125	0,5	1	0,9	Steel S235JR
69	L50X5	120	0,5	1	0,5	Steel S235JR
70	L50X5	120	0,5	1	0,5	Steel S235JR
71	L50X5	105	0,4	1	0,4	Steel S235JR
72	L50X5	105	0,4	1	0,4	Steel S235JR
73	L50X5	120	0,5	10	4,5	Steel S235JR
74	UPN 80	760	6,6	2	13,1	Steel S235JR
75	L30X5	660	1,4	4	5,8	Steel S235JR
76	PL 10x150x150	150	1,8	2	3,5	Steel S235JR
77	PL 25x140x145	145	3,6	4	14,2	Steel S235JR
78	PL 5x50x70	70	0,1	4	0,5	Steel S235JR
79	PL 5x40x100	100	0,2	2	0,3	Steel S235JR
80	GR 30X2-30X30-P	660x720	9	1	9	Steel S235JR
81	GR 30X2-30X30-P	660x600	7,5	1	7,5	Steel S235JR
82	L50X5	125	0,5	2	1	Steel S235JR
83	L50X5	100	0,4	4	1,6	Steel S235JR
84	L50X5	80	0,3	2	0,6	Steel S235JR
85	L50X5	120	0,5	4	2	Steel S235JR
86	L50X5	115	0,4	2	0,8	Steel S235JR
87	L50X5	45	0,2	2	0,4	Steel S235JR
88	L50X5	35	0,1	2	0,2	Steel S235JR
89	RHS50x5	350	2,3	2	4,6	Steel S235JR
90	RHS50x5	210	1,4	2	2,8	Steel S235JR
91	RHS50x5	915	6	1	6	Steel S235JR
92	RHS50x5	245	1,6	2	3,2	Steel S235JR
93	RHS50x5	150	1	1	1	Steel S235JR
94	RHS100x50x5	860	9	1	9	Steel S235JR
95	L50X5	160	0,6	2	1,2	Steel S235JR
96	L50X5	70	0,3	2	0,6	Steel S235JR
97	RHS50x5	185	1,2	2	2,4	Steel S235JR
98	PL 10x90x105	150	1,8	2	3,5	Steel S235JR
99	L50X5	890	3,3	1	3,3	Steel S235JR
100	L50X5	745	2,8	1	2,8	Steel S235JR
101	L50X5	615	2,3	1	2,3	Steel S235JR
102	L30X5	150	0,3	10	3	Steel S235JR
103	L30X5	250	0,6	3	1,8	Steel S235JR
104	RHS50x5	635	4,2	1	4,2	Steel S235JR

TITULO: FILE:		PLANO-DWG DRAWINGNO:	
STRUCTURE OVERVIEW AND MATERIAL LIST DRAWING		EDI-STR-001	
PROYECTO: PROJECT:	OSTROLEKA PROJECT		HQJA SHEET
			9
		REV.	00



NOTES :

1 - ALL DIMENSIONS ARE IN MILLIMETERS.

TITULO:
TITLE:

SKID TO PIPING RACK JOINT
PLATE DETAILED DRAWING

PLANO-DWG
DRAWING-DWG:

EDI-STR-002

PROYECTO:
PROJECT:

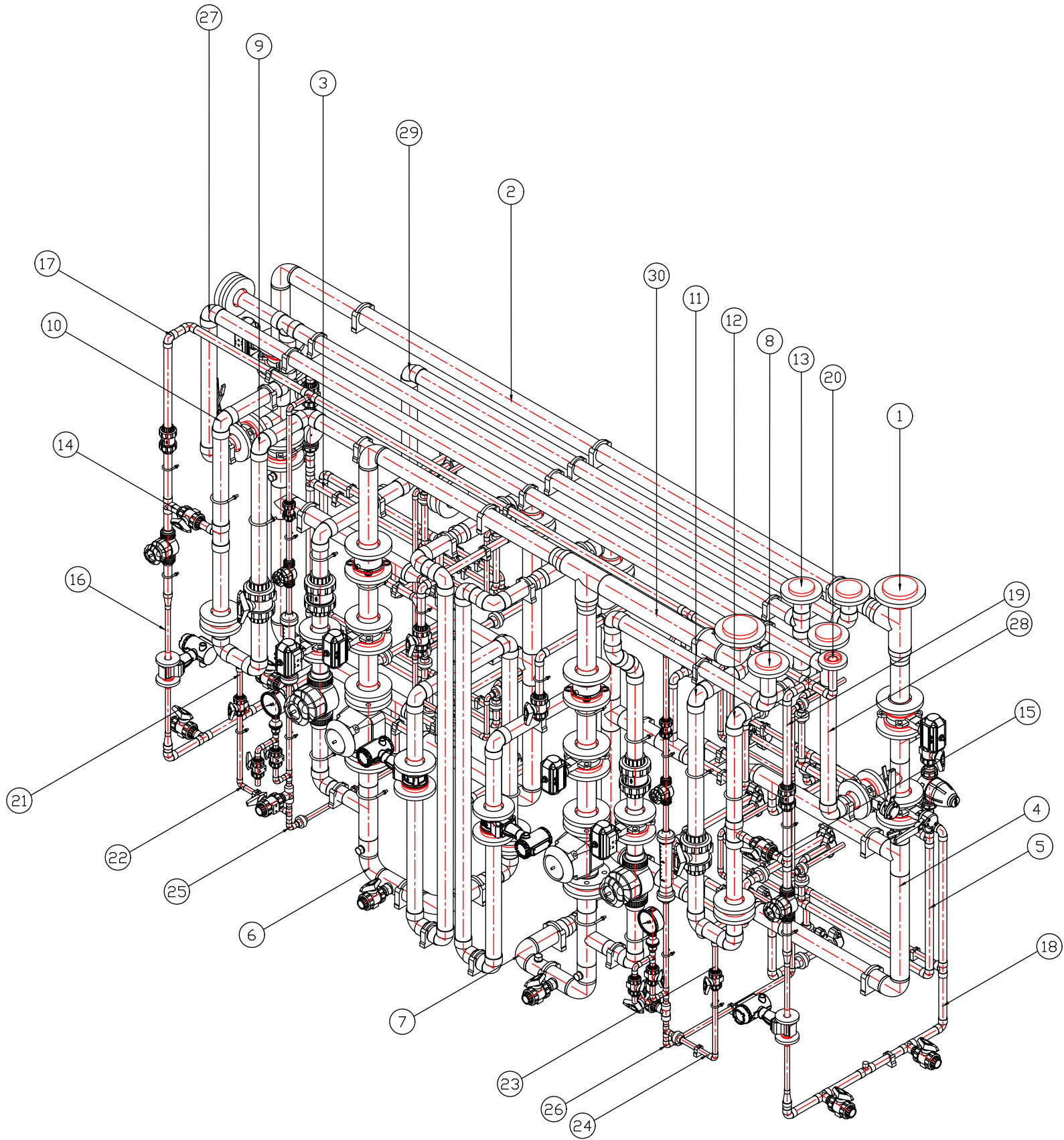
OSTROLEKA PROJECT

HOJA
SHEET

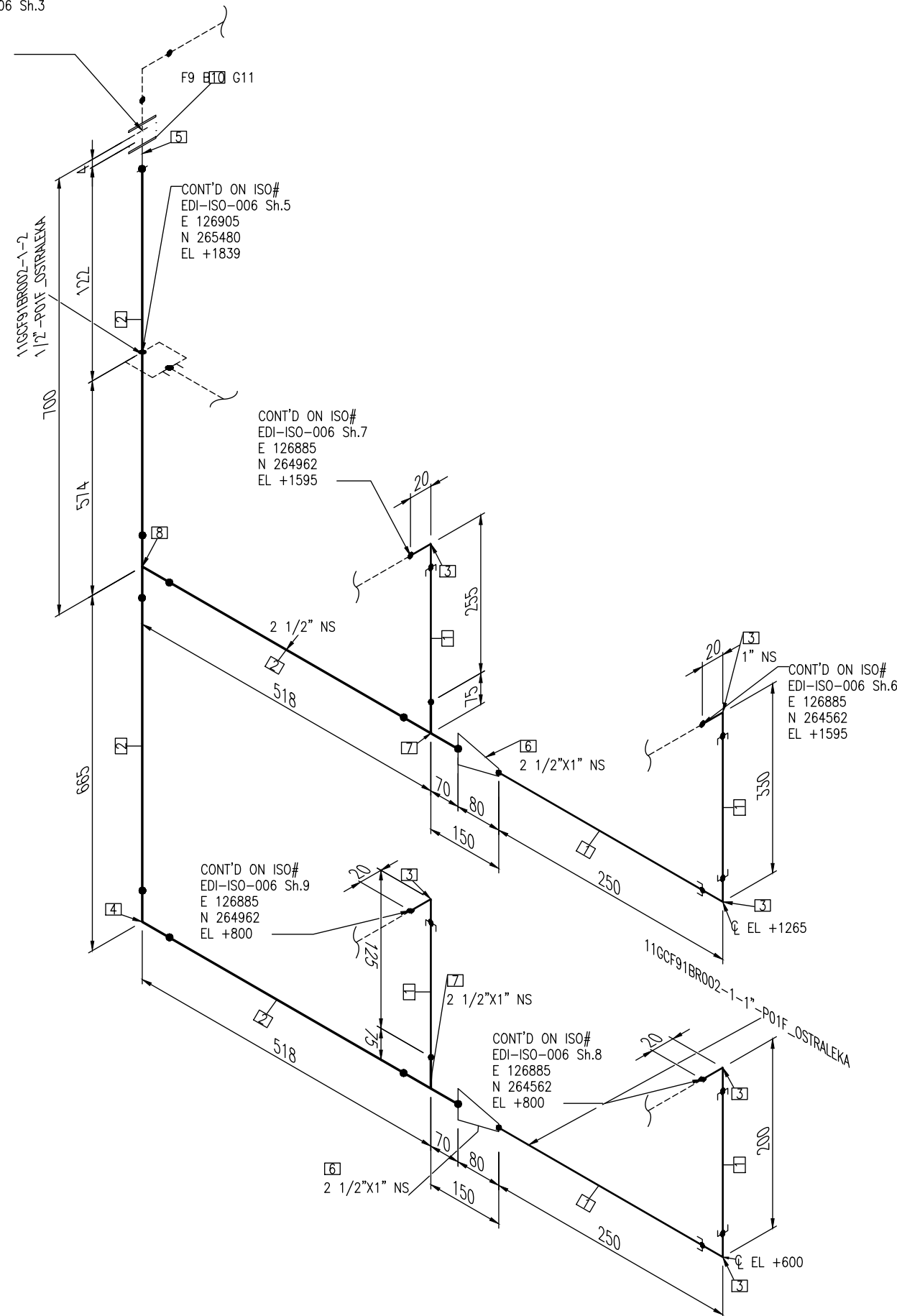
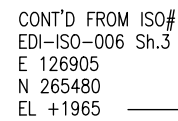
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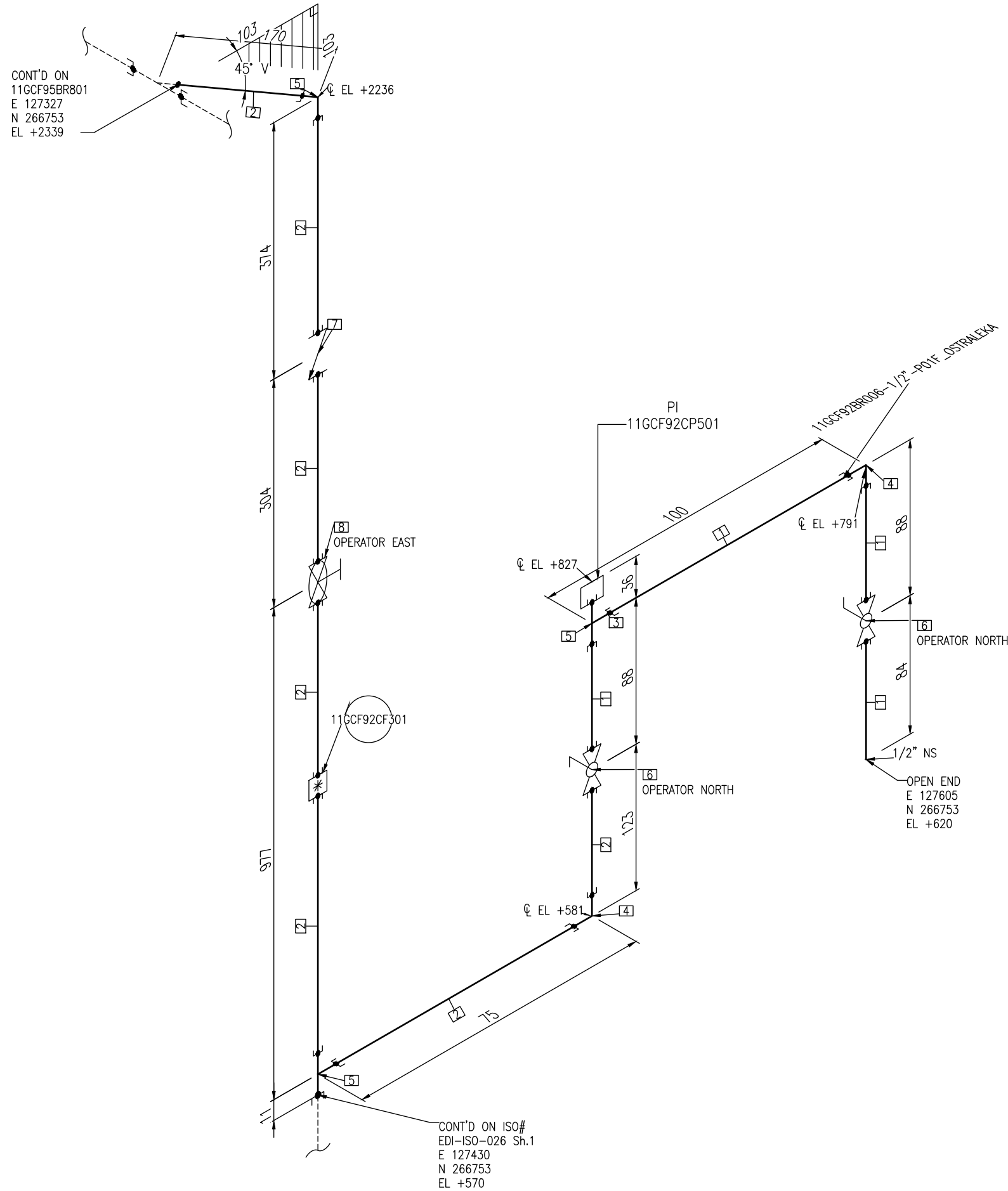


ID	Line Number	Drawing Name
1	11GCF90BR001	EDI-ISO-001
2	11GCF91BR001	EDI-ISO-002
3	11GCF91BR003	EDI-ISO-003
4	11GCF92BR001	EDI-ISO-004
5	11GCF92BR003	EDI-ISO-005
6	11GCF91BR002	EDI-ISO-006
7	11GCF92BR002	EDI-ISO-007
8	11GCF95BR001	EDI-ISO-008
9	11GCF91BR404	EDI-ISO-009
10	11GCF91BR402	EDI-ISO-010
11	11GCF92BR404	EDI-ISO-011
12	11GCF92BR402	EDI-ISO-012
13	11GCP30BR003	EDI-ISO-013
14	11GCF91BR405	EDI-ISO-014
15	11GCF92BR405	EDI-ISO-015
16	11GCF91BR004	EDI-ISO-016
17	11GCF91BR005	EDI-ISO-017
18	11GCF92BR004	EDI-ISO-018
19	11GCF92BR005	EDI-ISO-019
20	11GCF95BR801	EDI-ISO-020
21	11GCF91BR406	EDI-ISO-021
22	11GCF91BR407	EDI-ISO-022
23	11GCF92BR406	EDI-ISO-023
24	11GCF92BR407	EDI-ISO-024
25	11GCF91BR006	EDI-ISO-025
26	11GCF92BR006	EDI-ISO-026
27	11GCP38BR001	EDI-ISO-027
28	11GCP38BR002	EDI-ISO-028
29	11GCF91BR403	EDI-ISO-029
30	11GCF92BR403	EDI-ISO-030



BILL OF MATERIALS					
ID	ND	DESCRIPTION	SCH/CLASS	QTY	MATERIAL
PIPE					
1	1"	PIPE, PL, PP-R, DIN 8077/78, PN10, SDR11	PN10	1.3M	POLIPROPYLENE RANDOM COPOLYMER
2	2 1/2"	PIPE, PL, PP-R, DIN 8077/78, PN10, SDR11	PN10	1.9M	POLIPROPYLENE RANDOM COPOLYMER
FITTINGS					
3	1"	ELBOW 90°, SW, PP-R, DIN 8077/78, PN10, SDR11	PN10	6	POLIPROPYLENE RANDOM COPOLYMER
4	2 1/2"	BEND 90°, BV, PP-R, DIN 8077/78, PN10, SDR11	PN10	1	POLIPROPYLENE RANDOM COPOLYMER
5	2 1/2"	STUB FLANGE, BV, FF, PP-R, ISO 10931, PN10, SDR11	PN10	1	POLIPROPYLENE RANDOM COPOLYMER
6	2 1/2"x1"	CONCENTRIC REDUCER, BV, PP-R, DIN 8077/78, PN10, SDR11	PN10	2	POLIPROPYLENE RANDOM COPOLYMER
7	2 1/2"x1"	REDUCTION TEE 90°, BV, PP-R, DIN 8077/78, PN10, SDR11	PN10	2	POLIPROPYLENE RANDOM COPOLYMER
8	2 1/2"	STRAIGHT TEE 90°, BV, PP-R, DIN 8077/78, PN10, SDR11	PN10	1	POLIPROPYLENE RANDOM COPOLYMER
FLANGES					
9	2 1/2"	BACKING FLANGE, FF, PP-STEEL, DIN 2501, PN10	PN10	1	POLIPROPYLENE (30% GRP) WITH STEEL RING
FASTENERS					
10	5/8"x140	STUD BOLT, STAINLESS STEEL, DIN 933, PN10	PN10	4	STAINLESS STEEL 316
11	2 1/2"	RING GASKET, FF, PTFE / EPDM, DIN 1514-1, PN10	PN10	1	PTFE / EPDM

MATERIAL:		O.T.:	
TITULO: TITLE: ISOMETRIC DRAWING LINE I I GCF9 I BRO02		PLANO-DWG DRAWING-DWG: EDI-ISO-006	
PROYECTO: PROJECT: OSTROLEKA PROJECT		HOJA SHEET: X	REV. 00



BILL OF MATERIALS					
ID	ND	DESCRIPTION	SCH/CLASS	QTY	MATERIAL
PIPE					
1	1/2"	PIPE, PL, PP-H, DIN 8077/78, PN10, SDR11	PN10	0.3M	POLIPROPYLENE HOMOPOLYMER
2	1/2"	PIPE, PL, PP-R, DIN 8077/78, PN10, SDR11	PN10	1.5M	POLIPROPYLENE RANDOM COPOLYMER
FITTINGS					
3	1/2"	THREADED BUSHING METRIC R THREAD, THDF, PP-R, PN10	PN10	1	POLIPROPYLENE RANDOM COPOLYMER
4	1/2"	ELBOW 90°, SW, PP-R, DIN 8077/78, PN10, SDR11	PN10	2	POLIPROPYLENE RANDOM COPOLYMER
5	1/2"	ELBOW 45°, SW, PP-R, DIN 8077/78, PN10, SDR11 STRAIGHT TEE 90°, SW, PP-R, DIN 8077/78, PN10, SDR11	PN10	3	POLIPROPYLENE RANDOM COPOLYMER
VALVES					
6	1/2"	BALL VALVE, MANUAL, SW, PP-H, PN10	PN10	2	POLIPROPYLENE HOMOPOLYMER
7	1/2"	CHECK VALVE, CONE, SW, PP-H, PN10	PN10	1	POLIPROPYLENE HOMOPOLYMER
8	1/2"	DIAPHRAGM VALVE, MANUAL, SW, PP-H, PN10	PN10	1	POLIPROPYLENE HOMOPOLYMER
INSTRUMENTS					
9	1/2"	ROTAMETRO DE BOYA, ENCOLAR, PVC-U, PN10	PN10	1	PVC-U, TUBO DE POLISULFON

MATERIAL:		O.T.:	
TITULO: TITLE:		PLANO-DWG DRAWING-DWG:	
ISOMETRIC DRAWING LINE 11GCF92BR006		EDI-ISO-026	
PROYECTO: PROJECT:		HOJA SHEET	REV. 00
OSTROLEKA PROJECT		X	