

Take-off report: Sample plant



Sample plant.nwd · 29 Oct 2026

1,250.0 m

640

480

120

pipe (net)

fittings

flanges

valves

Size breakdown: pipe in scope

1,250.0 m

Size (inch)	Pipe (m)	Share %	Rows
2"	300.1	24.0	9
6"	267.5	21.4	3
3"	218.6	17.5	6
10"	189.7	15.2	1
4"	148.2	11.9	4
1-1/2"	63.0	5.0	2
8"	40.8	3.3	1
1"	22.2	1.8	1
Total	1,250.0	100.0	27

Every pipe row sits under exactly one size; the total matches the Summary. Rows rounded; total from exact lengths.

Fittings and flanges by size

1,240 ea

<div>Elbow 90°</div> <div>340</div> <div>10"6</div> <div>8"15</div> <div>6"35</div> <div>4"56</div> <div>3"83</div> <div>2"113</div> <div>1-1/2"24</div> <div>1"8</div>	<div>Tee, equal</div> <div>95</div> <div>10"2</div> <div>8"4</div> <div>6"10</div> <div>4"15</div> <div>3"23</div> <div>2"32</div> <div>1-1/2"7</div> <div>1"2</div>	<div>Reducer, concentric</div> <div>80</div> <div>10" × 8"1</div> <div>8" × 6"2</div> <div>8" × 4"2</div> <div>6" × 4"7</div> <div>6" × 3"1</div> <div>4" × 3"8</div> <div>4" × 2"5</div> <div>3" × 2"14</div> <div>3" × 1-1/2"5</div> <div>2" × 1-1/2"17</div> <div>2" × 1"10</div> <div>1-1/2" × 1"6</div> <div>1" × 1/2"2</div>
<div>Elbow 45°</div> <div>60</div> <div>10"1</div> <div>8"3</div> <div>6"6</div> <div>4"10</div> <div>3"15</div> <div>2"19</div> <div>1-1/2"4</div> <div>1"2</div>	<div>Tee, reducing</div> <div>50</div> <div>10" × 8"1</div> <div>8" × 6"2</div> <div>6" × 4"5</div> <div>4" × 3"8</div> <div>3" × 2"12</div> <div>2" × 1-1/2"17</div> <div>1-1/2" × 1"4</div> <div>1" × 1/2"1</div>	<div>Cap</div> <div>15</div> <div>8"1</div> <div>6"2</div> <div>4"3</div> <div>3"4</div> <div>2"4</div> <div>1-1/2"1</div>

Flange	440	Flange, blind	40	Strainer	8
10"	3	10"	1	6"	1
8"	18	8"	2	4"	1
6"	36	6"	4	3"	4
4"	64	4"	6	1-1/2"	2
3"	100	3"	6		
2"	131	2"	13	Valve	112
1-1/2"	67	1-1/2"	4	8"	2
1"	21	1"	4	6"	8
				4"	22
				3"	23
				2"	37
				1-1/2"	17
				1"	3

1,240 pieces in scope: 640 fittings, 480 flanges, 120 other. Valves are listed in their own section. Two-size items are written large x small, e.g. 6" x 4".

Source model breakdown

1,250.0 m included

Source model	Status	Pipe (m)	Fittings	Flanges
CS150	Included	563.9	275	207
SS150	Included	344.5	246	185
CS300	Included	341.6	119	88
Scope total (included)		1,250.0	640	480

Every source model is in the bid.

Material breakdown: piping in scope

1,250.0 m

Material	Pipe (m)	Share %	Fittings	Flanges	Rows
Carbon steel	905.5	72.4	394	295	272
Stainless steel	344.5	27.6	246	185	173
Total	1,250.0	100.0	640	480	445

Material comes from the model.

Summary

86 rows

Material code	Size 1	Size 2	Quantity	Unit
PIPE	10"		189.7	m
PIPE	8"		40.8	m
PIPE	6"		267.5	m
PIPE	4"		148.2	m
PIPE	3"		218.6	m
PIPE	2"		300.1	m
PIPE	1-1/2"		63.0	m
PIPE	1"		22.2	m
90 BEND	10"		6	ea
90 BEND	8"		15	ea

Material code	Size 1	Size 2	Quantity	Unit
90 BEND	6"		35	ea
90 BEND	4"		56	ea
90 BEND	3"		83	ea
90 BEND	2"		113	ea
90 BEND	1-1/2"		24	ea
90 BEND	1"		8	ea
45 BEND	10"		1	ea
45 BEND	8"		3	ea
45 BEND	6"		6	ea
45 BEND	4"		10	ea
45 BEND	3"		15	ea
45 BEND	2"		19	ea
45 BEND	1-1/2"		4	ea
45 BEND	1"		2	ea
EQ TEE	10"		2	ea
EQ TEE	8"		4	ea
EQ TEE	6"		10	ea
EQ TEE	4"		15	ea
EQ TEE	3"		23	ea
EQ TEE	2"		32	ea
EQ TEE	1-1/2"		7	ea
EQ TEE	1"		2	ea
RED TEE	10"	8"	1	ea
RED TEE	8"	6"	2	ea
RED TEE	6"	4"	5	ea
RED TEE	4"	3"	8	ea
RED TEE	3"	2"	12	ea
RED TEE	2"	1-1/2"	17	ea
RED TEE	1-1/2"	1"	4	ea
RED TEE	1"	1/2"	1	ea
CON RED	10"	8"	1	ea
CON RED	8"	6"	2	ea
CON RED	8"	4"	2	ea
CON RED	6"	4"	7	ea
CON RED	6"	3"	1	ea
CON RED	4"	3"	8	ea
CON RED	4"	2"	5	ea
CON RED	3"	1-1/2"	5	ea
CON RED	3"	2"	14	ea
CON RED	2"	1"	10	ea
CON RED	2"	1-1/2"	17	ea
CON RED	1-1/2"	1"	6	ea
CON RED	1"	1/2"	2	ea

Material code	Size 1	Size 2	Quantity	Unit
CAP	8"		1	ea
CAP	6"		2	ea
CAP	4"		3	ea
CAP	3"		4	ea
CAP	2"		4	ea
CAP	1-1/2"		1	ea
FLANGE	10"		3	ea
FLANGE	8"		18	ea
FLANGE	6"		36	ea
FLANGE	4"		64	ea
FLANGE	3"		100	ea
FLANGE	2"		131	ea
FLANGE	1-1/2"		67	ea
FLANGE	1"		21	ea
BLIND FLANGE	10"		1	ea
BLIND FLANGE	8"		2	ea
BLIND FLANGE	6"		4	ea
BLIND FLANGE	4"		6	ea
BLIND FLANGE	3"		6	ea
BLIND FLANGE	2"		13	ea
BLIND FLANGE	1-1/2"		4	ea
BLIND FLANGE	1"		4	ea
MV	8"		2	ea
MV	6"		8	ea
MV	4"		22	ea
MV	3"		23	ea
MV	2"		37	ea
MV	1-1/2"		17	ea
MV	1"		3	ea
STRAINER	6"		1	ea
STRAINER	4"		1	ea
STRAINER	3"		4	ea
STRAINER	1-1/2"		2	ea

Same figures as the Summary sheet of the Excel.

Notes

Quantities come from the model's own data.

Sizes are nominal inches. Pipe is the net cut length from the model, with no waste or cutting allowance.

Valves: 120 valves listed under their own code. Valves are not part of the pipe length.

Flanges: 480 (400 weld neck, 40 other, 40 blind).

Scope: every source model is included.