Quick Start Site (NFPA)

Bill of Quantities (BOQ)

2026/11/16
Job: Xxxx
Rev: X
Test Site

Steel: ASME B16.9 butt-weld fittings · Victaulic flexible couplings · ASME B16.5 Class 150 flanges · stock 19.69 ft · kerf 1/8" · grooved from 2 1/2", threaded up to 2"

Sprinklers, nozzles, hydrants & hose reels

Category	Description	K	Thread	Qty
Sprinklers	Roof sprinkler K 5.6 | 15 mm / ½" BSP	5.6	1/2"	133

Steel — fittings, valves & weld-on parts

Description	Qty
Alarm / non-return valve (swinging) 8" — grooved (generic wet alarm valve, take-out 17")	1
Butterfly valve 8" — grooved (Victaulic 7B2, E-E 8.5")	2
Butterfly valve 8" — wafer, F-F 2.4" (EN 558 Series 20)	1
Dual plate check valve 8" — wafer, F-F 5" (manufacturer series)	1
Flange adaptor 8" — Victaulic Style 741 (grooved × flange), flanged valve straight onto a grooved fitting	1
Grooved 90° elbow 8" — Victaulic No.10	4
Grooved cap 6" — Victaulic No.60	2
Grooved cap 8" — Victaulic No.60	1
Grooved coupling 6" — Victaulic flexible	9
Grooved coupling 8" — Victaulic flexible	8
Malleable iron Class 150 90° elbow 1 1/4" NPT (ASME B16.3)	19
Malleable iron Class 150 90° elbow 2" NPT (ASME B16.3)	19
Malleable iron Class 150 hex bushing 1 1/2" × 1 1/4" NPT (ASME B16.3)	19
Malleable iron Class 150 hex bushing 1 1/4" × 1/2" NPT (ASME B16.3)	19
Malleable iron Class 150 hex bushing 2" × 1 1/2" NPT (ASME B16.3)	19
Malleable iron Class 150 reducing tee 1 1/2" × 1 1/2" × 1/2" NPT (ASME B16.3)	38
Malleable iron Class 150 reducing tee 1 1/4" × 1 1/4" × 1/2" NPT (ASME B16.3)	19
Malleable iron Class 150 reducing tee 2" × 2" × 1/2" NPT (ASME B16.3)	57
Plate weld-on flange 8" — ASME B16.5 Class 150	3
Steam socket 2" BSP — welded outlet	19
Bolt set 8" — wafer butterfly valve: 8 × 3/4" through-bolts (length to suit) + 2 × 1/8" gaskets — ASME B16.5 Class 150	1
Bolt set 8" — wafer lift check / dual plate non-return valve: 8 × 3/4" through-bolts (length to suit) + 2 × 1/8" gaskets — ASME B16.5 Class 150	1

Steel — pipe

Size	Cut pieces	Total cut	Stock lengths	Offcut
1 1/4"	38	367.0 ft	19 × 19.69 ft	7.0 ft
1 1/2"	38	365.7 ft	19 × 19.69 ft	8.4 ft
2"	76	475.1 ft	25 × 19.69 ft	17.0 ft

Size	Cut pieces	Total cut	Stock lengths	Offcut
6"	11	163.2 ft	9 × 19.69 ft	14.0 ft
8"	10	103.7 ft	6 × 19.69 ft	14.4 ft

Cut lengths are centre-to-centre minus fitting and valve take-offs; saw kerf is allowed for in the stock count only. Datum = upstream end of each piece.
Parts data: FireSprinkPro Steel Pipe & Fittings Database v10 (complete); FireSprinkPro Valve Engineering Database v2.