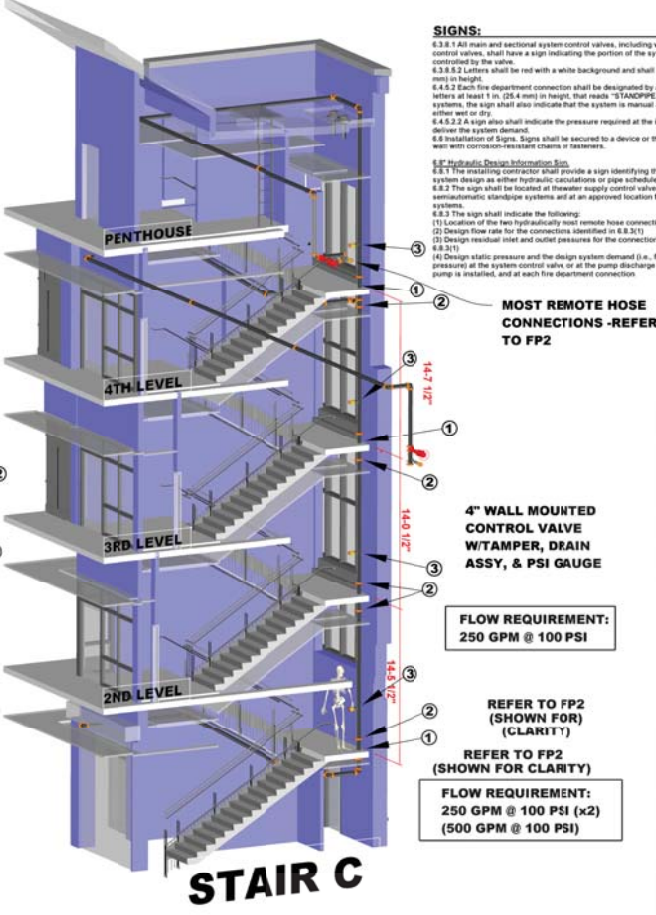
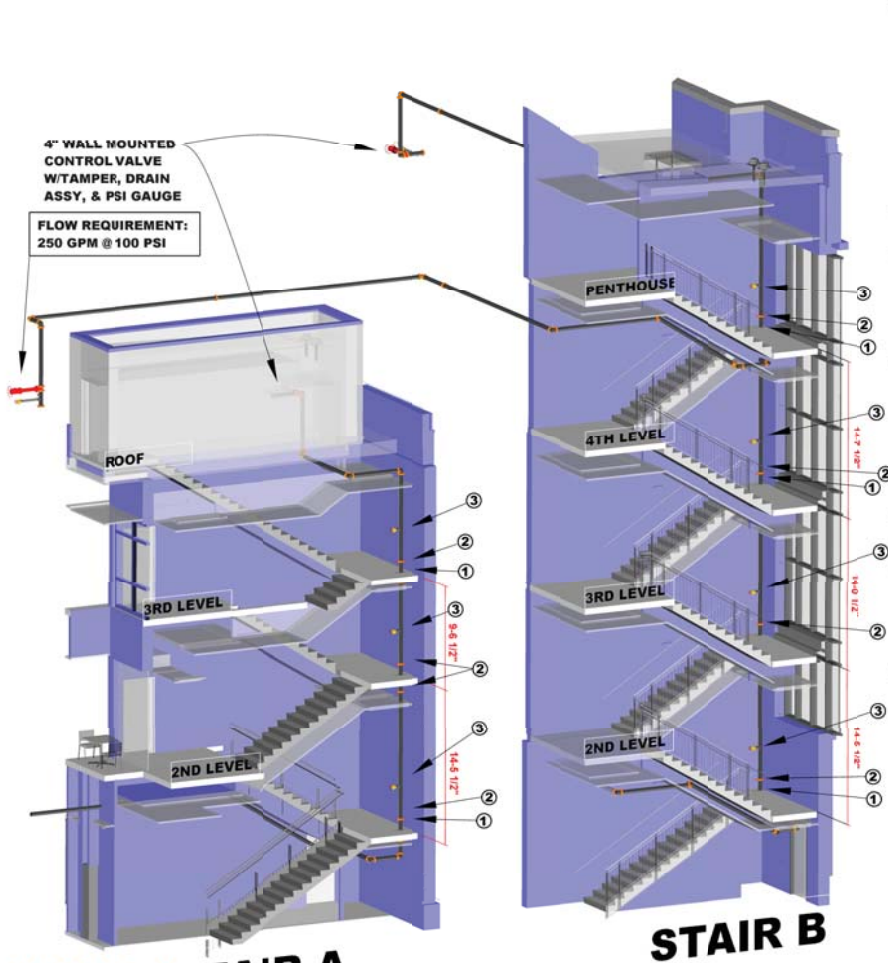


4" WALL MOUNTED CONTROL VALVE W/TAMPER, DRAIN ASSY, & PSI GAUGE

FLOW REQUIREMENT: 250 GPM @ 100 PSI



SIGNS:
6.3.1 All main and sectional system control valves, including water supply control valves, shall have a sign indicating the portion of the system that is controlled by the valve.
6.3.1.2 Letters shall be red with a white background and shall be 210 in. (65 mm) in height.
6.4.5.2.1 Each fire department connection shall be designated by a sign, with letters at least 1 in. (25.4 mm) in height, that reads "STANDPIPE". For manual systems, the sign shall also indicate that the system is manual and that it is either wet or dry.
6.4.5.2.2 A sign also shall indicate the pressure required at the inlets to deliver the system demand.
6.4 Installation of Signs. Signs shall be secured to a device or the building wall with corrosion-resistant cleans 1/2" minimum.
6.4 Hydraulic Design Information Sign
6.5.1 The installing contractor shall provide a sign identifying the basis of the system design as either hydraulic calculations or pipe schedule.
6.5.2 The sign shall be located at the water supply control valve for automatic or semi-automatic standpipe systems and at an approved location for manual systems.
6.5.3 The sign shall indicate the following:
(1) Location of the two hydraulically remote hose connections
(2) Design flow rate for the connections identified in 6.5.3(1)
(3) Design residual inlet and outlet pressures for the connections identified in 6.5.3(1)
(4) Design static pressure and the design system demand (i.e., flow and residual pressure) at the system control valve or at the pump discharge flange where a pump is installed, and at each fire department connection.

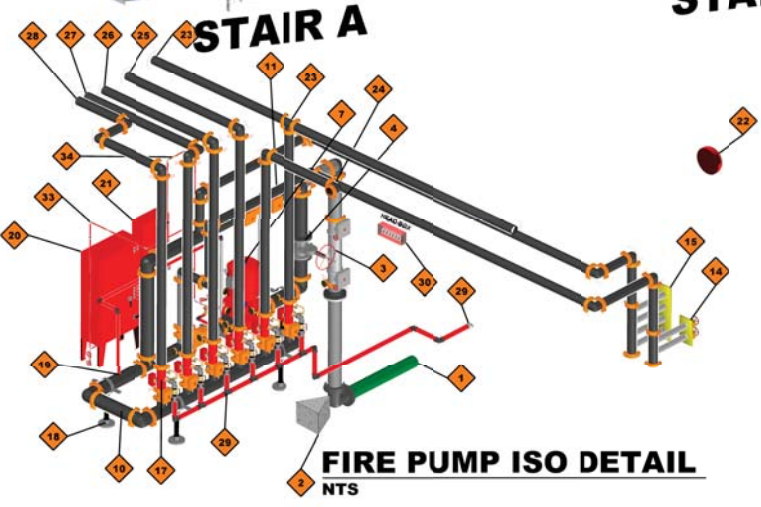
4" WALL MOUNTED CONTROL VALVE W/TAMPER, DRAIN ASSY, & PSI GAUGE
FLOW REQUIREMENT: 250 GPM @ 100 PSI
MOST REMOTE HOSE CONNECTIONS - REFER TO FP2
REFER TO FP2 (SHOWN FOR CLARITY)
FLOW REQUIREMENT: 250 GPM @ 100 PSI (x2) (500 GPM @ 100 PSI)

1 RISER SUPPORTS
9.2.5.4 Multistory Buildings.
9.2.5.4.1 In multistory buildings, riser supports shall be provided at the lowest level, at each alternate level above, above and below egress, and at the top of the riser.
9.2.5.4.2 Supports above the lowest level shall also restrain the pipe to prevent movement by an upward thrust where flexible fittings are used.
9.2.5.4.3 Where risers are supported from the ground, the ground support shall constitute the first level of riser support.
9.2.5.4.4 Where risers are offset only not rise from the ground, the first ceiling level above the offset shall constitute the first level of riser support.
9.2.5.5 Distance between supports for risers shall not exceed 25 ft (7.6 m).

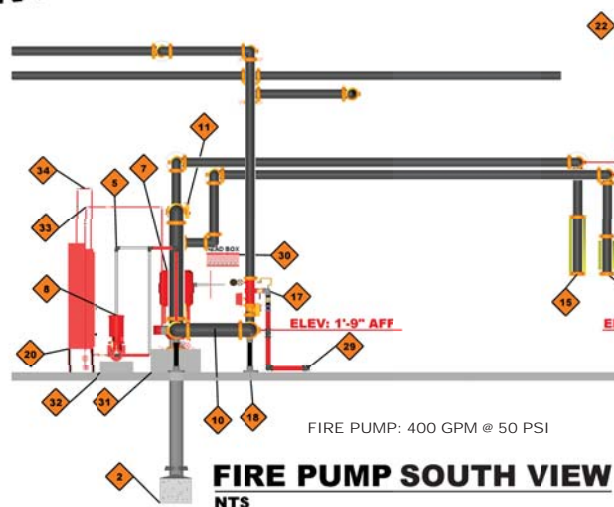
2 FLEXIBLE COUPLINGS
(1) Within 12 in. (305 mm) above and within 24 in. (610 mm) below the floor immovable buildings. When the flexible coupling below the floor is above the main to the main supplying that floor, a flexible coupling shall be provided.
(2) In accordance with one of the following:
(a) On the horizontal portion within 24 in. (610 mm) of the tie-in where the tie-in is horizontal
(b) On the vertical portion of the tie-in where the tie-in incorporates a riser.

3 HOSE CONNECTIONS
7.3.1.1 Hose connections and hose stations shall be unobstructed and shall be located not less than 3 ft (914 mm) or more than 5 ft (1.5 m) above the floor.
7.3.1.2 The hose connection shall not be obstructed by the closed or open door or other objects on the landing.
7.3.2 Class I Systems. Class I systems shall be provided with 210 in. (65 mm) hose connections in the following locations:
(1) At the main floor landing in exit stairways
(2) On each side of the wall adjacent to the exit openings of horizontal exits
(3) In other than covered mall buildings, in each exit passage way at the entrance from the building areas into the passageway
(4) In covered mall buildings, at its entrance to each exit passageway or exit corridor, and at the interior side of public entrances from the exterior to the mall.
(5) At the highest landing of stairways with stairway access to a roof, or on roofs with a slope of less than 4 in 12 where stairways do not access the roof.

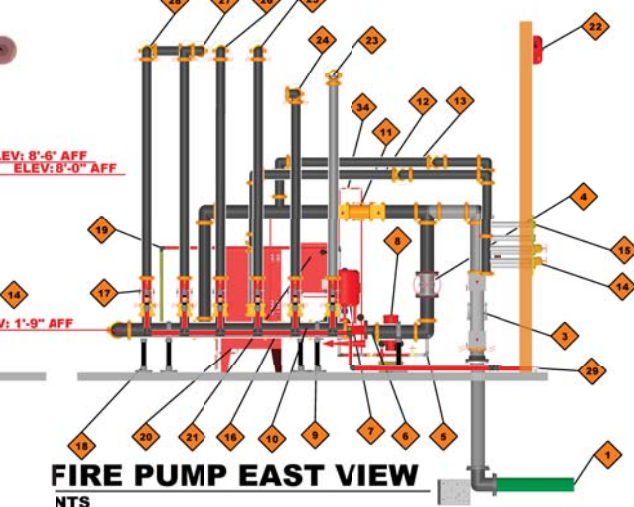
FIRE PUMP DETAIL		
TAG#	SIZE	DESCRIPTION
1	6"	FIRE LINE UNDERGROUND
2	NFPA	THRUST BLOCK
3	6"	AMES COLT BACKFLOW QxG W/BUTTERFLY VALVES & TAMPER SWITCH
4	6"	OSAY GATE VALVE W/TAMPER SWITCH
5	1"	JOCKEY PUMP SUPPLY
6	6x4	ECCENTRIC REDUCER
7	4"	AURORA VERTICAL INLINE FIRE PUMP
8	AURORA MODEL PVM240	JOCKEY PUMP
9	6x4	CONCENTRIC REDUCER
10	6"	MANIFOLD PIPING SYSTEM W/1/2" DRAIN VALVE
11	6"	BYPASS PIPING W/BUTTERFLY VALVES AND CHECK VALVE
12	4"	FIRE PUMP TEST HEADER PIPING
13	4"	FDC PIPING W/CHECK VALVE AND 1/2" BALL DRIP
14	4x2.5" (x3)	FIRE PUMP TEST HEADER
15	4x2.5" (x4)	FIRE DEPARTMENT CONNECTION
16	8"	CHECK VALVE
17	4"	SYSTEM RISER, TYCO H13 MANIFOLD & BUTTERFLY VALVE W/TAMPER SWITCH
18		PIPE STAND
19	1"	JOCKEY PUMP DISCHARGE
20	200 340-600V	FIREPUMP MODEL FTA100 FIRE PUMP CONTROLLER
21	1HP 340-600V	FIREPUMP MODEL FTA100 JOCKEY PUMP CONTROLLER
22	10"	120V ELECTRIC BELL (INSTALLATION AND WIRING BY OTHERS)
23	4"	OUT TO 1ST FLOOR WET PIPE SYSTEM
24	4"	OUT TO MANUAL WET CLASS III WET STANDPIPE SYSTEM
25	4"	OUT TO PENTHOUSE WET PIPE SYSTEM
26	4"	OUT TO 4TH FLOOR WET PIPE SYSTEM
27	4"	OUT TO 3RD FLOOR WET PIPE SYSTEM
28	4"	OUT TO 2ND FLOOR WET PIPE SYSTEM
29	2"	SYSTEM MAIN DRAIN
30	NA	HEAD BOX W/SPARE HAZDS, WRENCH, & NFPA 25
31		PUMP PAD
32		JOCKEY PUMP PAD
33	1/2"	FIRE PUMP SENSING LINE
34	1/2"	JOCKEY PUMP SENSING LINE



FIRE PUMP ISO DETAIL
NTS



FIRE PUMP SOUTH VIEW
NTS



FIRE PUMP EAST VIEW
NTS

Standard Symbols

Standard Symbols

Standard Symbols

GENERAL SYSTEM NOTES

SPRINKLER SYSTEM KEY

NOTICE

BSU COBE
University and Capitol Blvd
Boise, ID

FP3
Number of Sheets: DP 1