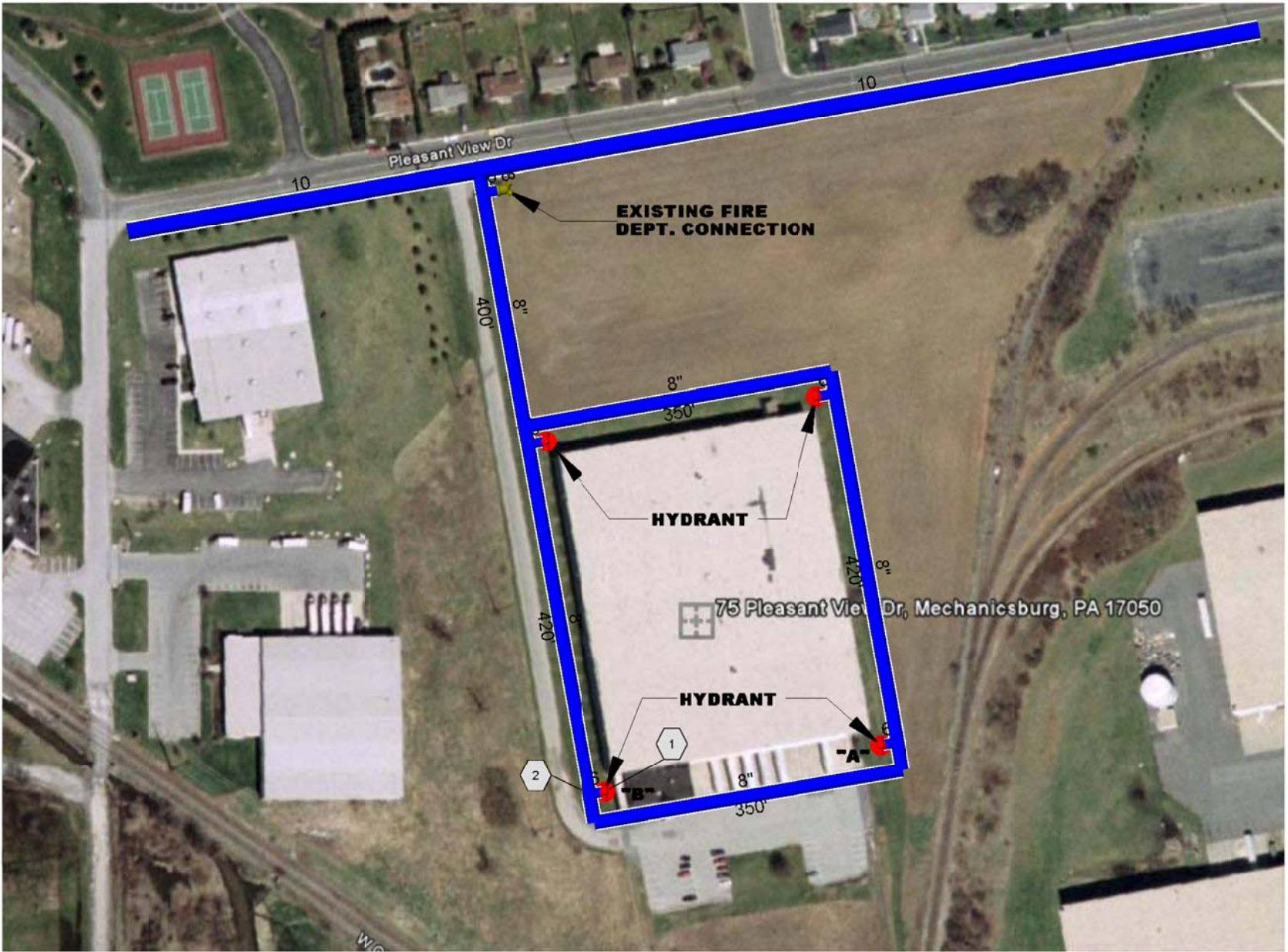
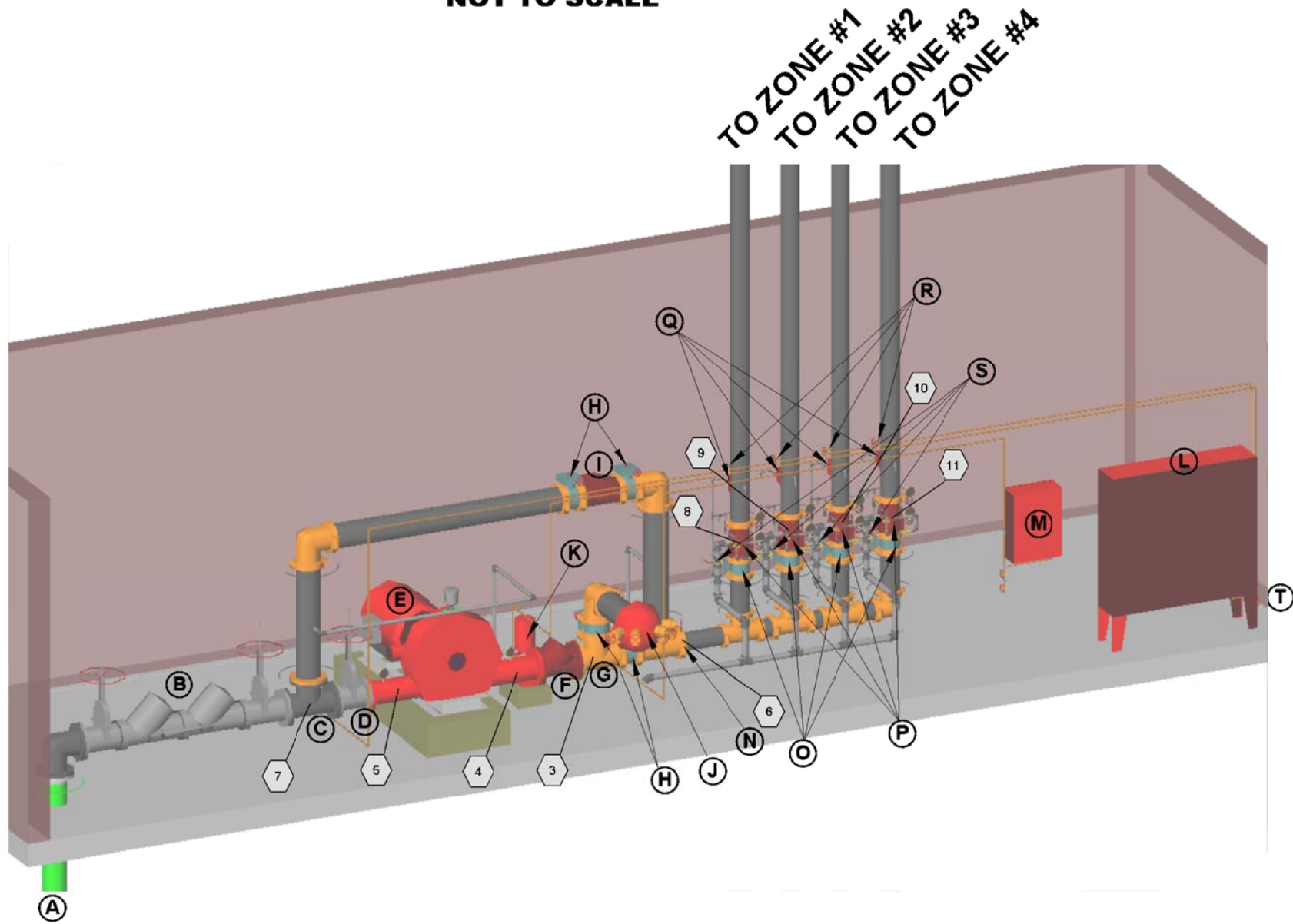
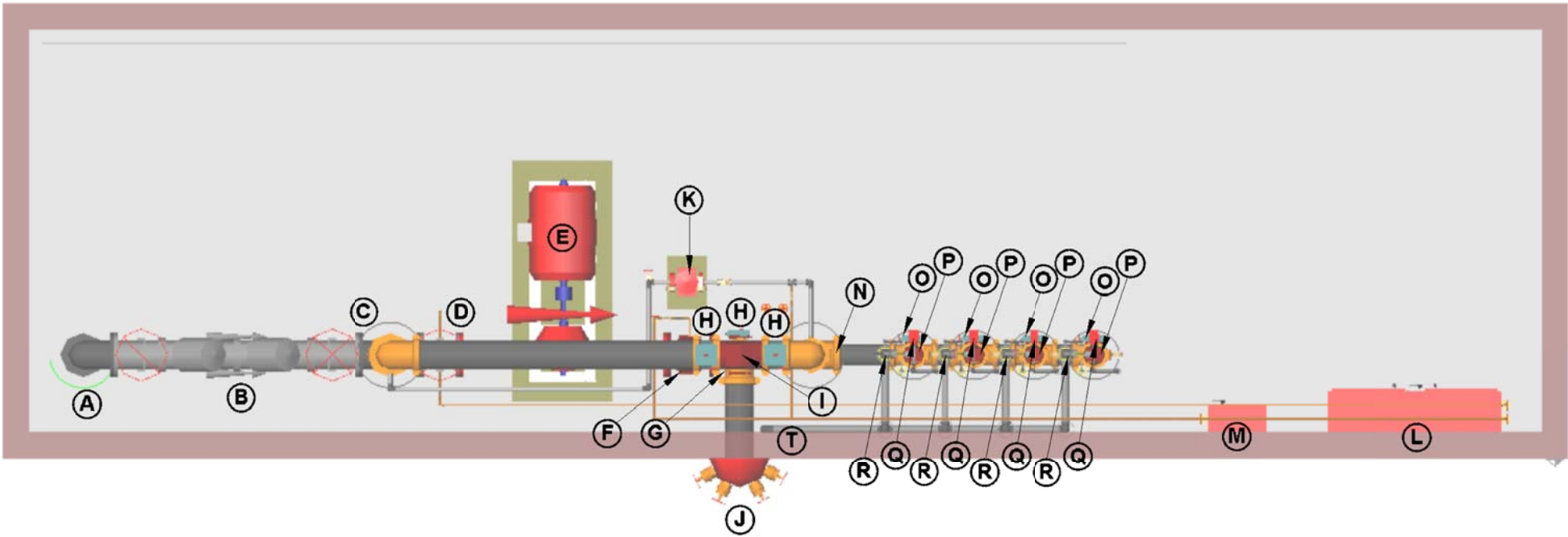




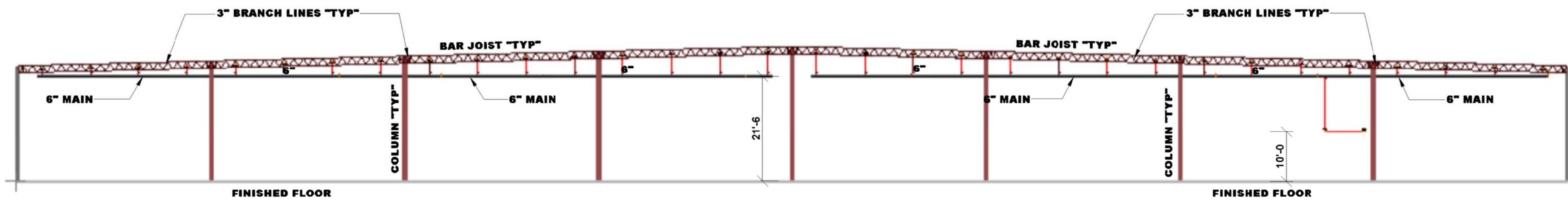
SITE PLAN
NOT TO SCALE



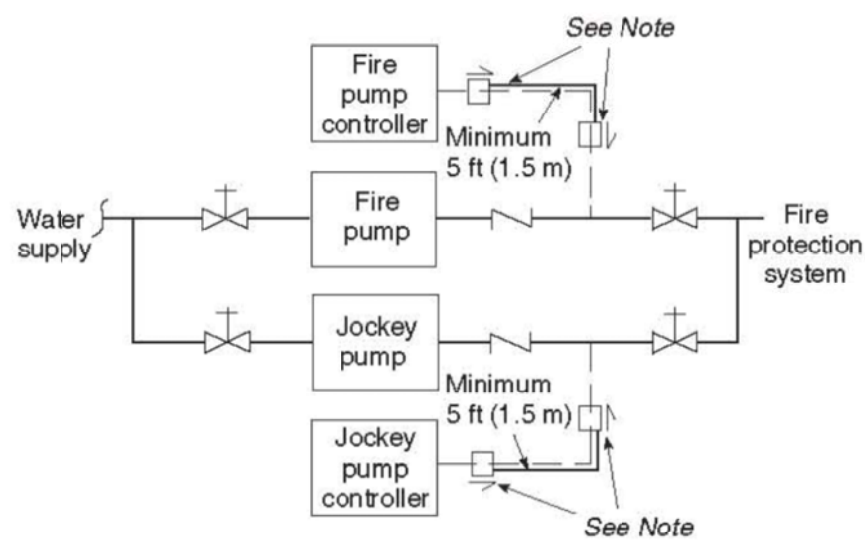
PUMP ROOM(SIDE VIEW)
NOT TO SCALE



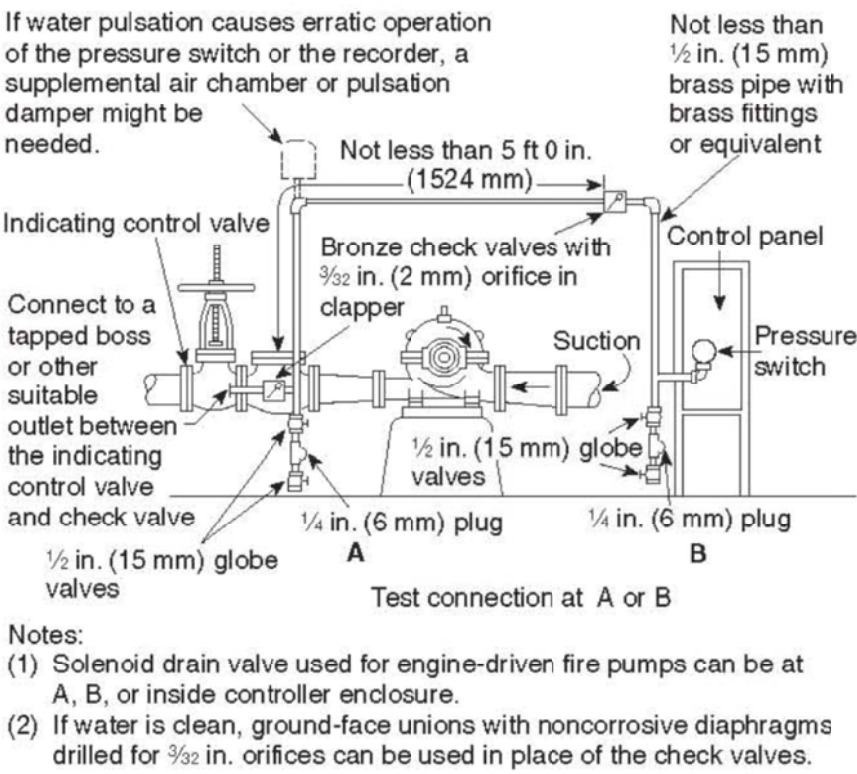
PUMP ROOM(PLAN VIEW)
NOT TO SCALE



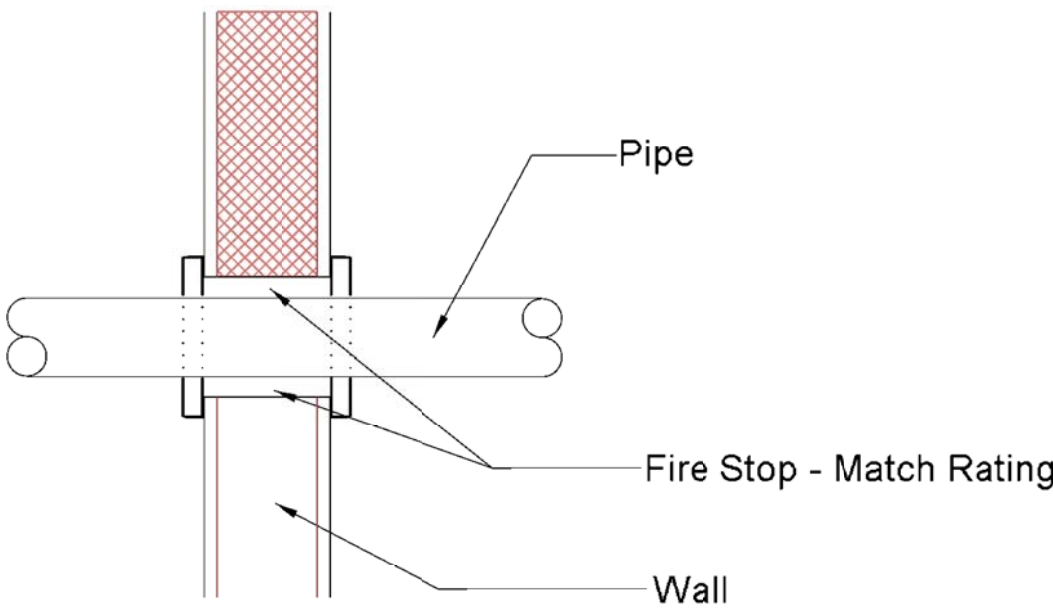
CROSS SECTION
NOT TO SCALE



Note: Check valves or ground-face unions complying with 10.5.2.1.



Notes:
(1) Solenoid drain valve used for engine-driven fire pumps can be at A, B, or inside controller enclosure.
(2) If water is clean, ground-face unions with noncorrosive diaphragms drilled for 1/2 in. orifices can be used in place of the check valves.



FIRE-STOPPING DETAIL
NOT TO SCALE

SENSING LINE DETAILS

PUMP ROOM LEGEND

- (A) NEW 8" INCOMING SERVICE
- (B) 8" DOUBLE DETECTOR CHECK BACKFLOW PREVENTER, AMES MODEL 3000SS
- (C) 8" FLANGED TEE TO 8" BY-PASS
- (D) 8" OS&Y VALVE W/TAMPER SWITCH
- (E) FIRE PUMP 1,250 GPM @ 79 PSI HORIZONTAL SPLIT CASE 8" SUCTION X 8" DISCHARGE
- (F) 8" FLANGED CHECK VALVE
- (G) 8" GROOVED TEE TO FIRE PUMP TEST HEADER
- (H) 8" GROOVED BUTTERFLY VALVE W/TAMPER SWITCH
- (I) 8" GROOVED CHECK VALVE
- (J) 8" X 6-WAY FIRE PUMP TEST HEADER
- (K) JOCKEY PUMP 10 GPM @ 94 PSI 1 1/4" SUCTION X 1 1/4" DISCHARGE
- (L) FIRE PUMP CONTROLLER ACROS-THE-LINE STARTER TYPE
- (M) JOCKEY PUMP CONTROLLER
- (N) 8" X 6" GROOVED REDUCING COUPLING
- (O) 6" BUTTERFLY VALVE W/TAMPER SWITCH
- (P) 6" ALARM VALVE W/TRIM, VIKING MODEL J-1
- (Q) 6" WATER FLOW SWITCH WIRED TO ELECTRIC BELL "NOT SHOWN"
- (R) 3/4" PRESSURE RELIEF VALVE FOR GRIDDED SYSTEM
- (S) 2" TEST AND DRAIN ASSEMBLY
- (T) 2" DRAIN PIPED TO THE EXTERIOR OF THE BUILDING

FIRE PUMP SPECS:

PATTERSON 8 X 8 (HORIZONTAL SPLIT CASE)
RATING: 1,250 GPM @ 79 PSI
100 H.P , 3 PHASE, 60 CYCLE, 460 VOLT, 1780 RPM,
(SHALL BE WIRED BY OTHERS)

FIRE PUMP CONTROLLER

MODEL: JOSLYN CLARK
3 PHASE, 60 CYCLE, 460 VOLT, 1,000 AIC
(SHALL BE WIRED BY OTHERS)

JOCKEY PUMP SPECS:

MODEL: GRUNDFOS CRI 1
RATING: 10 GPM @ 94 PSI
1 H.P, 3 PHASE, 60 CYCLE, 460 VOLT, 3450 RPM
(SHALL BE WIRED BY OTHERS)

JOCKEY PUMP CONTROLLER

MODEL: JOSLYN CLARK
3 PHASE, 60 CYCLE, 460 VOLT
(SHALL BE WIRED BY OTHERS)

ELECTRICAL NOTE:

ALL FIRE PUMP EQUIPMENT SHALL HAVE
ITS OWN DEDICATED SERVICE FROM CITY.