



AREA OF BEARING FACE OF CONCRETE THRUST BLOCKS

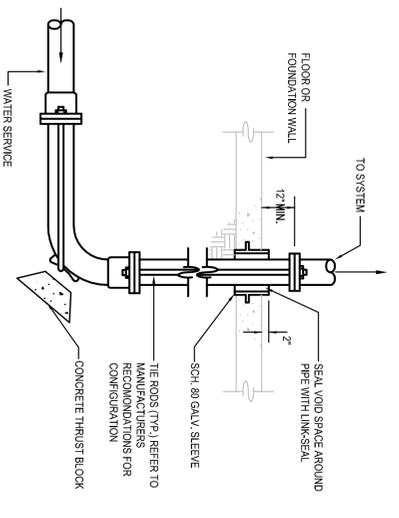
PIPE SIZE INCHES	1/4 BEND SQ. FT.	1/8 BEND SQ. FT.	TEES, PLUGS, CAPS SQ. FT.
4	2	2	2
6	3	3	4
8	5	5	6
10	8	8	9
12	13	10	13
18	18	10	13

AREAS IN TABLE HAVE BEEN DERIVED USING A WATER PRESSURE OF 225 POUNDS PER SQUARE INCH AND A SOIL RESISTANCE OF 2000 POUNDS PER SQUARE FOOT.

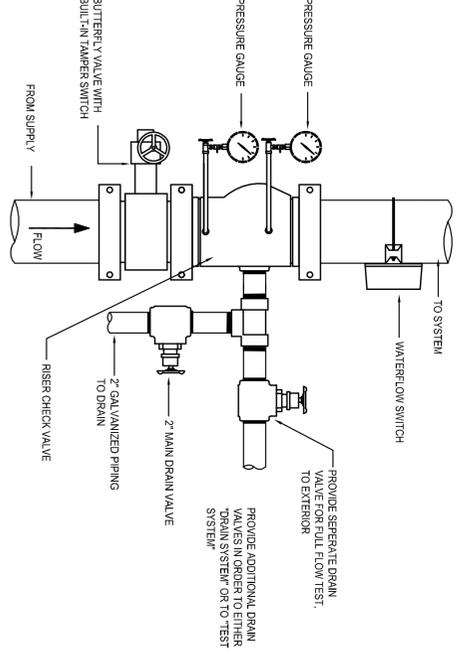
FOLLOWING FACTORS:  
 MULTIPLE BEARING AREAS FOR DIFFERENT SOILS BY SAND AND GRAVEL 1.33  
 SAND 2  
 SOFT CLAY 4  
 SHALE 0.4

NOTE: REFER TO NFPA 24 FOR COMPLETE DATA.

**1 THRUST BLOCK DETAIL**  
 FP201 NOT TO SCALE

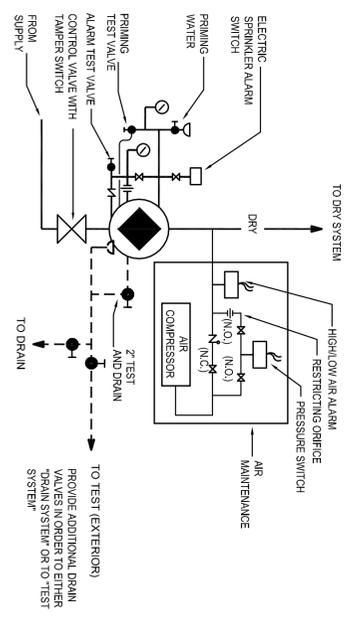


**2 FIRE PROTECTION WATER SERVICE ENTRY DETAIL**  
 FP201 NOT TO SCALE

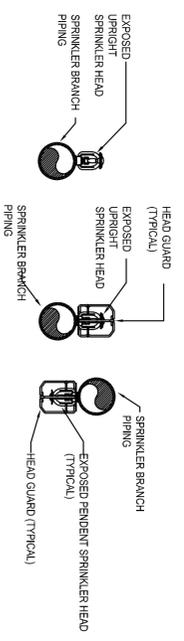


**3 RISER CHECK VALVE ASSEMBLY**  
 FP201 NOT TO SCALE

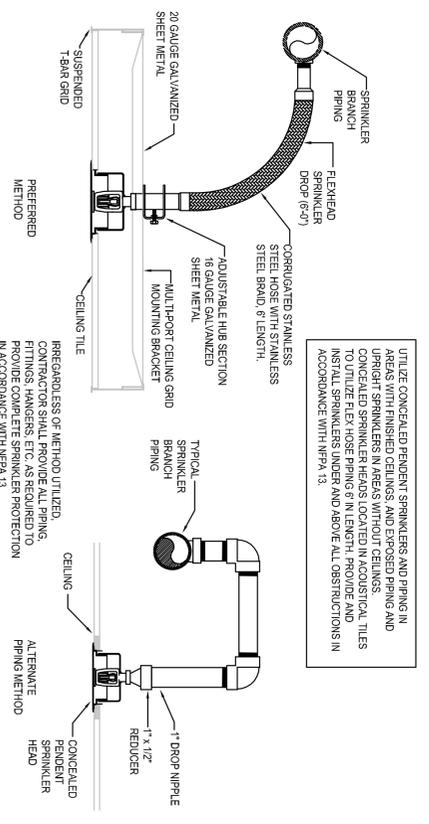
**4 DRY PIPE VALVE SCHEMATIC**  
 FP201 NOT TO SCALE



**5 TYPICAL EXPOSED SPRINKLER HEADS**  
 FP201 NOT TO SCALE

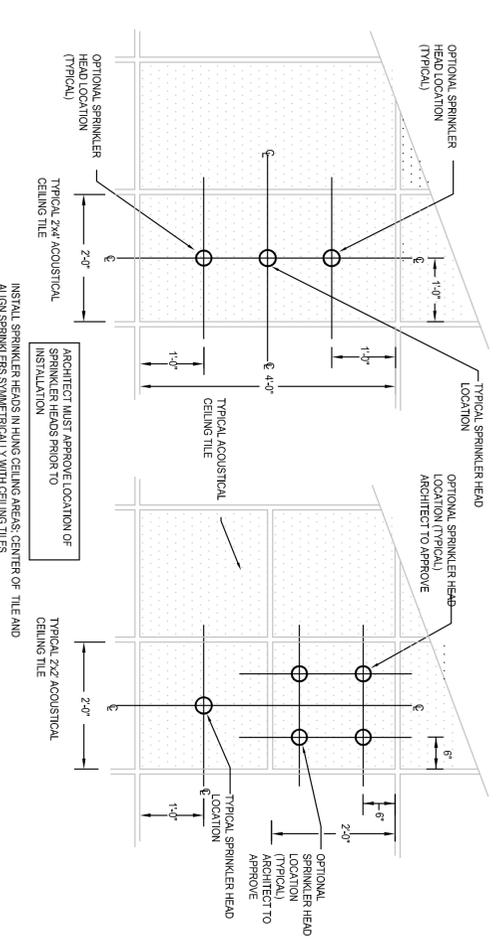


**6 TYPICAL CONCEALED SPRINKLER HEAD**  
 FP201 NOT TO SCALE

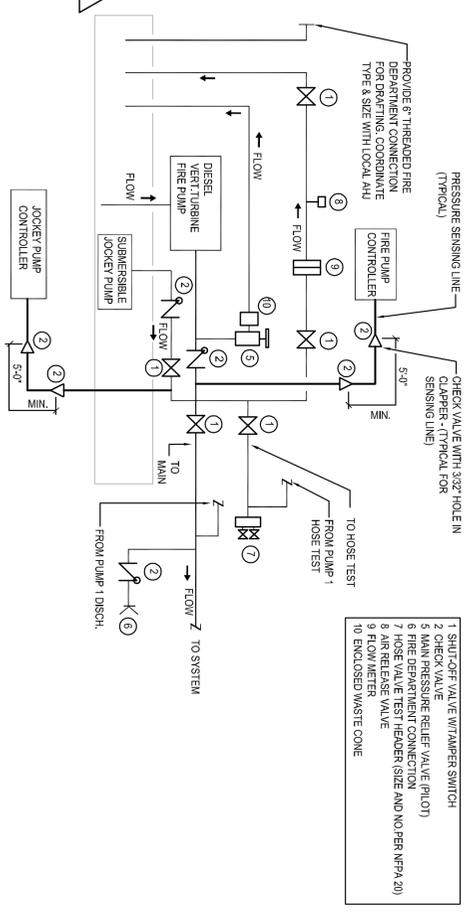


UTILIZE CONCEALED PENDENT SPRINKLERS AND PIPING IN AREAS WITH FINISHED CEILINGS AND EXPOSED PIPING AND UPRIGHT SPRINKLERS IN AREAS WITHOUT CEILING TILES. CONCEALED SPRINKLER HEADS LOCATED IN ROOMS AND TYPICAL CONCEALED SPRINKLER HEADS LOCATED IN ROOMS AND INSTALL SPRINKLERS UNDER AND ABOVE ALL OBSTRUCTIONS IN ACCORDANCE WITH NFPA 13.

**7 TYPICAL ACOUSTICAL TILE SPRINKLER HEAD LOCATION**  
 FP201 NOT TO SCALE

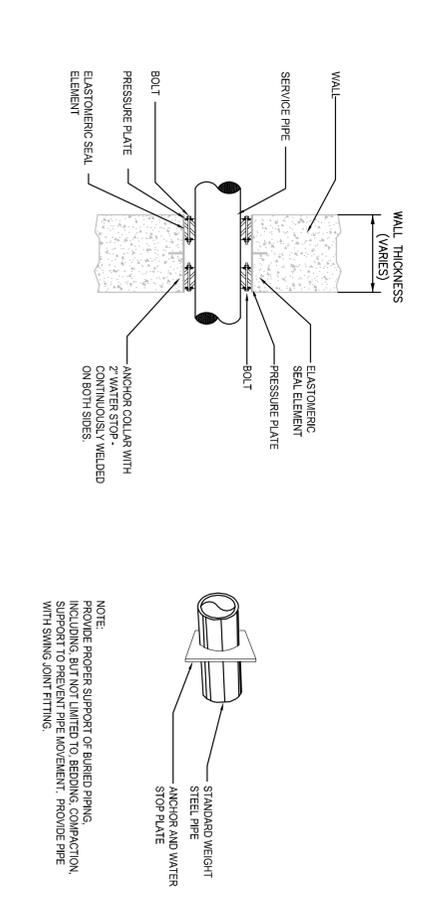


**8 VERTICAL TURBINE FIRE PUMP PIPING DIAGRAM**  
 FP201 NOT TO SCALE



- 1 SHUT-OFF VALVE WITH TAMPER SWITCH
- 2 CHECK VALVE
- 3 MAIN PRESSURE RELIEF VALVE (PILOT)
- 4 FIRE DEPARTMENT CONNECTION
- 5 FIRE DEPARTMENT CONNECTION
- 6 FUSE VALVE TEST HEAD(S) (SIDE AND NO PER NFPA 20)
- 7 FUSE VALVE TEST HEAD(S) (SIDE AND NO PER NFPA 20)
- 8 FUSE VALVE TEST HEAD(S) (SIDE AND NO PER NFPA 20)
- 9 FLOW METER
- 10 ENCLOSED WASTE CONE

**9 EXTERIOR PIPE PENETRATION W/SLEEVE DETAIL**  
 FP201 NOT TO SCALE



NOTE: PROVIDE PROPER SUPPORT OF BURIED PIPING, INCLUDING BUT NOT LIMITED TO BEDDING, COMPACTION WITH SWING JOINT FITTING.

NO.	DATE	REVISION
1	06/02/2011	FIRE MARSHAL REVIEW
2	07/20/2011	OWNER REVIEW



CLIENT: TOWN OF WESTON CONNECTICUT 06883

PROJECT: DEPARTMENT OF PUBLIC WORKS GARAGE SPRINKLERS

TITLE: DETAILS - FIRE PROTECTION

DRAWN BY: AC DRAWING

CHECKED BY: KC

SCALE: 1/4" = 1'-0"

DATE: 07/27/11

FP201