

ALL FITTINGS CONFORM TO SECTION 2-4 OF NFPA PARAPHLET 13.

VALVES ON CONNECTIONS TO WATER SUPPLIES, SECTIONAL CONTROL VALVES AND OTHER VALVES IN SUPPLY LINES TO SPRINKLERS SHALL BE SUPERVISED OPEN BY AN APPROVED METHOD.

IT IS THE OWNERS RESPONSIBILITY TO PROVIDE ADEQUATE HEAT TO KEEP THE SPRINKLER SYSTEM FROM FREEZING.

ALL ELECTRICAL WIRING OF ALARM BELLS, FLOW SWITCHES AND TAMPER SWITCHES (IF REQUIRED) TO BE DONE BY OTHERS.

THE SPRINKLER SYSTEM TO BE INSTALLED IN ACCORDANCE WITH NFPA 13.

HANGERS TO BE SPACED TO MEET NFPA REQUIREMENTS

PUR NFPA 13, SECTION 8.6.3.2.4, WITHIN SMALL ROOMS AS DEFINED IN SECTION 3.3.20, SPRINKLERS SHALL BE PERMITTED TO BE LOCATED NOT MORE THAN 9 FT. FROM ANY SINGLE WALL, AND SPRINKLER SPACING LIMITATIONS OF SECTION 8.6.3.4 AND AREA LIMITATIONS OF 8.6.2.2.1(a) SHALL NOT BE EXCEEDED. JFS MAY MODIFY HEADS SHOWN ON THIS DRAWING TO COMPLY WITH THIS RULE.

DESIGN CRITERIA:

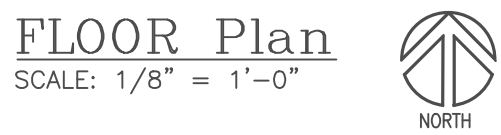
CONSTRUCTION:

STEEL BEAM AND BAR JOISTS

1. ALL GROOVED MAIN PIPING IS TO BE SCHED. 10 PIPE
2. ALL GROOVED BRANCHLINE PIPING TO BE SCH. 10 PIPE
3. ALL THREADED PIPING TO BE SCH. 40 PIPE
4. ALL FITTINGS TO BE DUCTILE IRON
5. THIS RENOVATION WILL NOT ALTER THE EXISTING CALCULATIONS
THEREFORE NEW CALCULATIONS WILL NOT BE NEEDED.

The image contains three technical drawings of firestop details:

- TYPICAL BEAM HANGER:** Shows two methods of hanger installation. Method 1 uses an all-thread rod with a ring and a top beam clamp. Method 2 uses a top beam clamp directly on the hanger. The drawing is labeled "OR" between the two methods. Below the drawings is the caption "TYPICAL BEAM HANGER NO SCALE".
- ARMOVER DETAIL:** Shows a 1" armover mounted on a main or line with a 1" drop. The drawing is labeled "1\" ARMOVER", "MAIN OR LINE", and "1\" DROP". Below the drawing is the caption "ARMOVER DETAIL NO SCALE".
- PENETRATION FIRESTOP DETAIL:** Shows a cross-section of a firestop assembly. It includes a fire wall, fire stop, cable, and fire stop. The drawing is labeled "FIRE WALL", "FIRE STOP", "CABLE", and "FIRE STOP". Below the drawing is the caption "PENETRATION FIRESTOP DETAIL FOR RATED CONSTRUCTION ONLY SEE FIRE STOP APPROVAL SHEET FOR INFO TYP. FIRESTOP DETAIL NO SCALE".



4th




IMAGE STUDIOS

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General Notes

1. All Pipe Locations are to be Field Measured Prior to Fabrication and Installation by Synkrate Contractor.
2. All Pipe Dimensions Shown are **Center to Center**.
3. High Temperature Heeds are to be Field Located. Where Required.
4. All Pipes and Hangers are to be installed per NFPA #13.
5. Hangers are to be U.L. Listed and F.M. Approved.

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SIZE	#	FINISH	TEMP	OFFICE	AS-BUILT	REVISIONS	DATE	
○	Hydraulic Reference Points	●	REQUIRE 65-96 OR RES. TOLERANT	8X15	CHARGE	150'	1/2"	5.6	54			
"n in"	Elev. Below Top of Steel	○	UPROOF TO BE RELOCATED	8X16	CHARGE	150'	1/2"	5.6	70			
F + 4'	Elev. Above Finished Floor											
(105 - 20.0)	Elev. of Top of Steel											
+ @SD	Coating Height											
○	Coating Location											
○	Blue up or down											
										TOTAL THIS SHEET		124