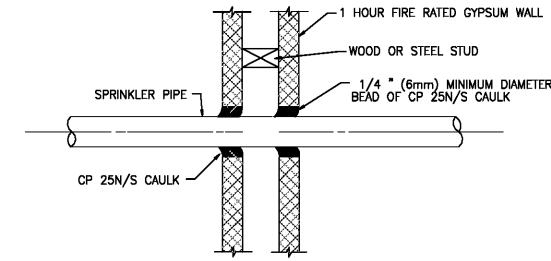


GENERAL NOTES:

- FIRE PROTECTION LAYOUTS SHOWN ON PLANS ARE FOR INFORMATIONAL PURPOSES ONLY. IT IS THE INTENT OF THESE DRAWINGS TO INDICATE AREAS OF COVERAGE, TYPES OF SPRINKLER HEADS AND FINISHES TO BE USED, TYPES OF FIRE PROTECTION SYSTEMS TO BE INSTALLED AND LOCATIONS OF MAJOR EQUIPMENT AND COMPONENTS. THE FIRE PROTECTION CONTRACTOR SHALL DESIGN A FULL AND COMPLETE FIRE PROTECTION SYSTEM BASED ON HYDRAULIC INFORMATION, LAYOUT OF PIPING SYSTEM AS COORDINATED WITH OTHER TRADES AND SPECIFIC COMPONENTS USED IN FIRE PROTECTION SYSTEM. ALL DESIGNS SHALL BE PER NFPA-13, LATEST LOCALLY ADOPTED EDITION.
- PIPING LAYOUT SHOWN IS DIAGRAMMATIC AND NOT INTENDED TO SHOW ALL OFFSETS AND CHANGES IN ELEVATION NECESSARY FOR COMPLETE INSTALLATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO SUBMITTING BID.
- CONTRACTOR SHALL PROVIDE NECESSARY OFFSETS IN NEW AND EXISTING PIPING AND ELECTRICAL CONDUIT AS REQUIRED TO ACCOMMODATE NEW WORK. CONTRACTOR SHALL ALLOW FOR ANY CONFLICTS ENCOUNTERED.
- REFER TO ARCHITECT'S REFLECTED CEILING PLAN FOR LOCATION OF LIGHTS, DIFFUSERS, GRILLES AND ALL OTHER CEILING MOUNTED DEVICES. COORDINATE WITH THE REFLECTED CEILING PLAN TO DETERMINE ACTUAL LOCATION OF SPRINKLERS.
- ALL NEW EXPOSED FIRE PROTECTION PIPING SHALL BE INSTALLED AS CLOSE TO STRUCTURE ABOVE AS POSSIBLE.
- ALL UNUSED FIRE PROTECTION PIPING, WHETHER NEW OR EXISTING, SHALL BE REMOVED. ALL SPRINKLER HEADS INSTALLED UNDER THIS CONTRACT SHALL BE NEW.
- SPACE ABOVE CEILING IS LIMITED. CAREFUL COORDINATION WITH LIGHTING, ELECTRICAL, PLUMBING, STRUCTURE, AND ARCHITECTURAL TRADES IS CRITICAL TO COMPLETE INSTALLATION.
- COORDINATION SHOP DRAWINGS SHALL BE PREPARED FOR THE ENTIRE PROJECT DRAWN TO 1/8" = 1'-0" SCALE (MINIMUM). DRAWINGS SHALL BE FULLY DIMENSIONED, INCLUDING ELEVATIONS OF DUCTWORK, PIPING, MAJOR HANGER SUPPORTS, PNEUMATIC TUBING AND MAJOR ELECTRICAL CONDUIT (2" AND LARGER.) CEILING COORDINATION PLANS SHALL ALSO SHOW CEILING GRID, LIGHTING LAYOUT, SPRINKLER LAYOUT AND MECHANICAL GRILLES.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COLLECTION VERIFICATION AND SUBMITTAL OF SHOP DRAWINGS TO OWNER, ARCHITECT AND ENGINEER.
- FIRE ALARM SYSTEM DESIGN AND INSTALLATION SHALL COMPLY WITH NFPA 72, LATEST LOCALLY ADOPTED EDITION.
- FIRE ALARM REFERENCED SYSTEM SHALL COMPLY WITH NFPA 70, LATEST LOCALLY ADOPTED EDITION.
- ALL SPRINKLERS WITHIN THE SCOPE OF THIS PROJECT SHALL BE QUICK RESPONSE TYPE. SPRINKLER HEADS USED SHALL COMPLY WITH COMPARTMENTALIZATION REQUIREMENTS OF NFPA-13.
- CONTRACTOR SHALL PROVIDE TEST AND DRAIN CONNECTION IN ACCORDANCE WITH NFPA-13. DRAIN SHALL DISCHARGE TO A LOCATION CAPABLE OF ACCEPTING FULL FLOW UNDER NORMAL SYSTEM PRESSURE WITHOUT CAUSING WATER DAMAGE.

GENERAL AND INSTALLATION NOTES

- SPRINKLER SYSTEMS TO BE INSTALLED AND CONFORM TO NFPA 13 AND 24.
- UNDERGROUND PIPING TO BE PROPERLY RODED AND BLOCKED PER NFPA 24 WITH A MINIMUM BURY DEPTH OF 36".
- HANGERS ARE TO BE AS SHOWN IN DETAILS AND SPACED ACCORDING TO NFPA 13.
- PROVIDE SPARE HEAD CABINET WITH A MINIMUM OF 3 OF EACH TYPE OS SPRINKLER HEAD USED.
- THIS BUILDING IS TO BE PROPERLY PROTECTED AGAINST EXPOSURE.
- LOW POINTS OF THE SYSTEM SHALL HAVE PROVISIONS FOR PROPER DRAINAGE.
- SYSTEM TO BE HYDROSTATICALLY TEST AS PER NFPA 13, (AT 200 PSI FOR TWO HOURS).
- PIPE SIZING SHALL BE SIZED PER HYDRAULIC CALCULATIONS.
- PROVIDE FLOW SWITCH, TAMPER SWITCH AND ELECTRIC BELL.
- ALL VALVES SHALL INCLUDE LABELS.

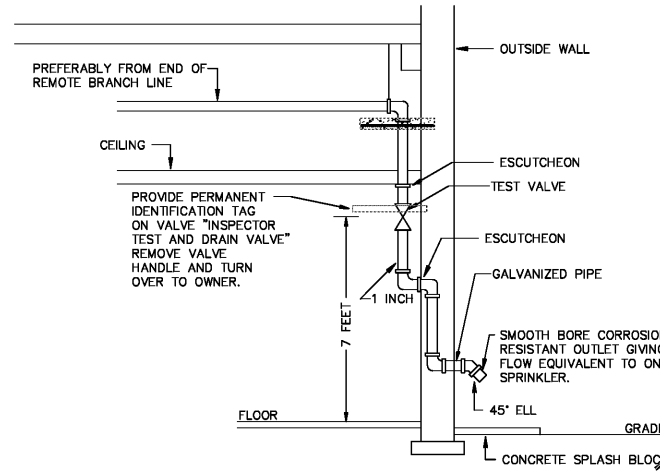


PENETRATION FIRESTOP FOR METAL PIPE/CONDUIT THROUGH GYPSUM WALLBOARD
(CROSS-SECTIONAL VIEW OF PENETRATION SEAL ASSEMBLY)

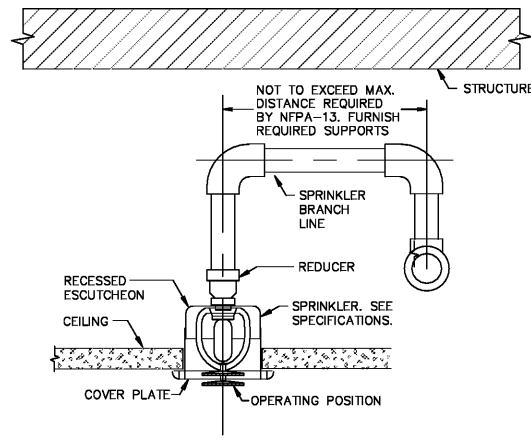
NOTES:

- THE CAULK IS TO BE FORCED INTO THE ANNUAL SPACE TO THE MAXIMUM EXTENT POSSIBLE FLUSH WITH THE EXTERIOR OF THE PENETRATION SURFACE.
- FINISH CAULKING WITH A 1/4" (6mm) MINIMUM BEAD OF CP 25N/S CAULK APPLIED TO THE PERIMETER OF THE CONDUIT/PIPE AT THREE POINTS THE WALL.
- THE MAXIMUM ANNUAL SPACE IS NOT TO EXCEED 1/16" (5mm)
- INSTALL 3M FIRESTOP ON BOTH SIDES OF THE WALL
- THESE RECOMMENDATIONS ARE BASED ON PRODUCT PERFORMANCE PER ASTM E-814 (UL 1479) FIRE TEST AND UL THROUGH-PENETRATION FIRESTOP SYSTEM #147.

1 1 HOUR PIPE PENETRATION
FP100 NO SCALE

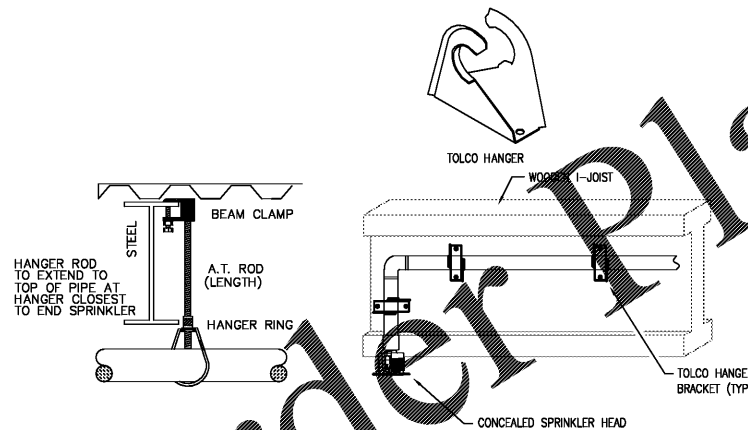


2 INSPECTOR'S SPRINKLER TEST PIPE
FP100 NO SCALE



NOTE: FINAL SELECTION OF STYLE, COLOR AND FINISH SHALL BE COORDINATED WITH ARCHITECT

3 CONCEALED SPRINKLER INSTALLATION
FP100 NO SCALE



4 PIPE HANGER DETAIL
FP100 NO SCALE

FIRE PROTECTION DESIGN NOTES

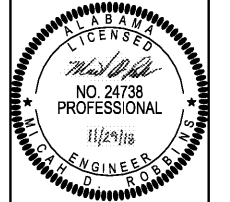
GENERAL DESCRIPTION — DESIGNED PER NFPA 13
— NEW AREAS OF SPRINKLER SYSTEM SHALL BE HYDRAULICALLY DESIGNED AND CALCULATED BASED ON THE FOLLOWING CRITERIA:

HAZARD CLASS	DESCRIPTION	HYDRAULIC DESIGN DENSITY	MAX. SPACING PER SPRINKLER	HOSE ALLOWANCE
LIGHT (HC-1)	DINING, OFFICES, RECEPTION, CORRIDORS, RESTROOMS, ETC.	0.10 GPM/SQ. FT. OVER THE MOST REMOTE 1500 SQ. FT.	225 SQ. FT.	N/A
ORDINARY GROUP 1	MANUFACTURING, KITCHEN, MECH. AND ELECTRICAL ROOMS, ETC.	0.20 GPM/SQ. FT. OVER THE MOST REMOTE 1500 SQ. FT.	130 SQ. FT.	N/A

NOTES:

- VERIFY THAT THE EXISTING SPRINKLER HEADS MEET NFPA 13 REQUIREMENTS, OTHERWISE REPLACE SPRINKLER HEAD ACCORDINGLY.
- INCREASE REMOTE AREA 30% FOR AREAS WITH SLOPED CEILINGS.
- DECREASE REMOTE AREA PER NFPA 13:11.2.3.2.3 AS ALLOWED.

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BRIGHTON COMMUNITY CENTER
BLOCK 17 OF OAKDALE SURVEY MAP BOOK 2, PAGE XX
SECTION 27, TOWNSHIP 18 SOUTH, RANGE 4 WEST
JEFFERSON COUNTY, ALABAMA

NO.	DATE:	DESCRIPTION:

FIRE PROTECTION GENERAL NOTES, LEGENDS, AND SCHEDULES
DATE: 11-29-18
JOB NO: 18-119
SHEET: FP100

VERIFY SCALES
BUT IS ONE INCH ON ORIGINAL
IF NOT ONE INCH ON THIS SHEET ADJUST SCALE ACCORDINGLY

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REC Project 18092