

Addendum #2

Date: May 31, 2024

Project: ITB 2024-01
Ocean City-Wright Fire Control District
Station 3 Renovations and Additions

QUESTIONS received are noted in black lettering with ANSWERS noted in red lettering:

1. Is bid bond required for this project? Provide bid bond form and insurance requirements.
Reference front end of specifications for all requirements and forms.
2. Is there a geotech report available?
Yes, it will be provided to the selected contractor.
3. Are the permits by County or should we include?
Permit fees will be paid for and included in the contractor's price as a line item.
4. Will this be an ODP project for tax savings?
Yes, ODP will be a consideration where it makes sense.
5. Can we use fire department utilities?
Yes
6. What type of metal siding is to be used?
Standard R-Panel with PVDF finish, standard color to be determined.
7. Is lightning protection required?
Lightning protection is not currently in place and is not required.
8. What does the half shaded circle represent on the lighting fixture sheet E0.02?
Half shaded circles on light fixtures represents connection to generator.
9. Clarify which receptacles are tamper resistant if required.
Tamper resistant for all receptacles.
10. Is copper required for all conductors or only up to 100a? Can larger conductors be aluminum?
Equivalent aluminum conductors are acceptable for feeders 100 amps or higher.
11. Is there a pre-bid meeting? Can a site visit be set up?
Pre-bid meeting was not scheduled. Contractors wanting to make a site visit for walk-thru may do so Monday, June 03, 2024 at 1:30pm CST.
12. What is the completion schedule for the project?
Our goal is 12 months, provide your schedule with your bid.
13. Is electrical room in phase I or phase II?
As indicated on A1.01, the new electrical, mechanical and bottle filling rooms are part of Phase I.
14. Low frequency sounders are a new code requirement. No manufacturer of smoke/co detectors makes this detector that meets the new requirements. Provide another option.
Existing building does not have a fire alarm and is not required.
15. Is a supervising station required for the fire sprinkler system?
Monitoring system is required for the NFPA13 system.
16. What is the last day for questions?
June 01, 2023

17. What is the budget?

Unknown at this time.

18. Which sprinkler system is required, NFPA13 or NFPA13R?

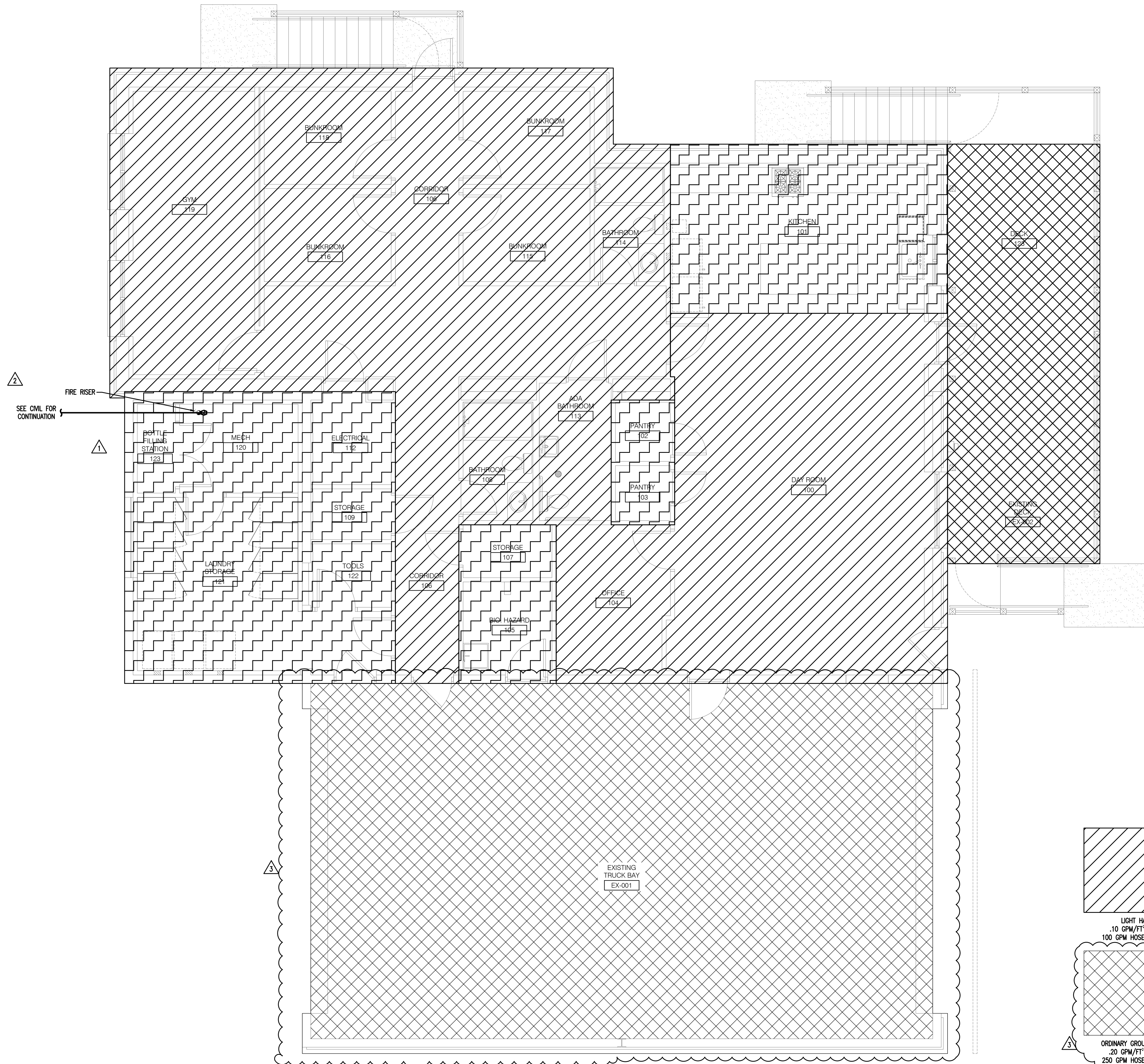
NFPA 13 is required. See updated fire protection sheet.

19. Who will install the communication wiring?

Communications contractor to be hired by general contractor.

20. Is a fire alarm required?

Fire alarm system is not required.



1 FIRE PROTECTION PLAN
SCALE: 1/4" = 1'-0"



FIRE PROTECTION NOTES

1. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) PAMPHLET NO. 13 (CURRENT EDITION) THE "STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS".
2. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) PAMPHLET NO. 14 (CURRENT EDITION) THE "STANDARD FOR THE INSTALLATION OF STANDPIPES AND HOSE SYSTEMS".
3. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) PAMPHLET NO. 20 (CURRENT EDITION) THE "STANDARD FOR THE INSTALLATION OF CENTRIFUGAL PUMPS".
4. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) PAMPHLET NO. 24 (CURRENT EDITION) THE "STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAIN AND THEIR APPURTENANCES".
5. INTERNATIONAL BUILDING CODE (CURRENT EDITION) AND THE LIFE SAFETY CODE (NFPA 101 (CURRENT EDITION))
6. WHERE ADDITIONAL OR MORE STRINGENT REQUIREMENTS ARE NOTED ON THE DRAWINGS OR SPECIFIED BY LOCAL ORDINANCES, THE MORE STRINGENT REQUIREMENTS SHALL APPLY. PARTICULAR ATTENTION SHOULD BE GIVEN TO LOCAL ORDINANCES PERTAINING TO STANDPIPE REQUIREMENTS.
7. THE FIRE SPRINKLER CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD TWO SETS OF THE FIRE SPRINKLER LAYOUT DRAWINGS, PRODUCT SUBMITTAL AND HYDRAULIC CALCULATIONS FOR REVIEW. THE FIRE SPRINKLER LAYOUT DRAWINGS AND CALCULATIONS SHALL REQUIRE THE OVERSIGHT AND SEAL OF A FLORIDA REGISTERED PROFESSIONAL ENGINEER AS A CONTRACTUAL REQUIREMENT. NO INSTALLATION SHALL PROCEED WITHOUT PRIOR APPROVAL OF THE ABOVE REFERENCED.
8. THE FIRE SPRINKLER CONTRACTOR SHALL SUBMIT THE REQUIRED FIRE PROTECTION SYSTEM LAYOUT DOCUMENTS TO THE LOCAL AUTHORITY HAVING JURISDICTION FOR APPROVAL AND PERMITTING. THE FIRE PROTECTION SYSTEM LAYOUT DOCUMENTS SHALL REQUIRE THE OVERSIGHT AND SEAL OF A FLORIDA REGISTERED PROFESSIONAL ENGINEER AS A CONTRACTUAL REQUIREMENT. NO INSTALLATION SHALL PROCEED WITHOUT PRIOR APPROVAL OF THE ABOVE REFERENCED.
9. THE PRIVATE FIRE SERVICE MAIN SHALL BE INSTALLED BY A FLORIDA CERTIFIED FIRE SPRINKLER CONTRACTOR. THIS CONTRACTOR'S WORK SHALL BEGIN AT THE POINT OF CONNECTION WHERE THE UNDERGROUND IS SOLELY DEDICATED TO THE SPRINKLER SYSTEM.
10. THE FIRE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING A CURRENT FIRE FLOW TEST. THE FIRE FLOW TEST SHALL BE WITNESSED AND APPROVED BY THE LOCAL FIRE INSPECTOR.
11. THE FIRE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A MONITORING SYSTEM IN CASES WHERE A FIRE ALARM IS NOT REQUIRED OR INSTALLED IN ACCORDANCE WITH NFPA 13 CHAPTER 16, NFPA 70 AND NFPA 72.

LIGHT HAZARD DESIGN APPROACH DATA

SYSTEM(S) TYPE: WET PIPE
REMOTE AREA: MOST HYDRAULICALLY DEMANDING 1500 SQ. FT.
LIGHT HAZARD DENSITY: 0.10 GPM/ SQ. FT.
HEAD SPACING: 225 SQ. FT. PER HEAD (MAX.)

ORDINARY HAZARD GROUP 1 DESIGN APPROACH DATA

SYSTEM(S) TYPE: WET PIPE
REMOTE AREA: MOST HYDRAULICALLY DEMANDING 1500 SQ. FT.
ORDINARY HAZARD DENSITY: 0.15 GPM/ SQ. FT.
HEAD SPACING: 130 SQ. FT. PER HEAD (MAX.)

ORDINARY DRY HAZARD DESIGN APPROACH DATA

SYSTEM(S) TYPE: DRY PIPE
REMOTE AREA: MOST HYDRAULICALLY DEMANDING 1500 SQ. FT.
ORDINARY HAZARD DENSITY: 0.15 GPM/ SQ. FT.
HEAD SPACING: 130 SQ. FT. PER HEAD (MAX.)

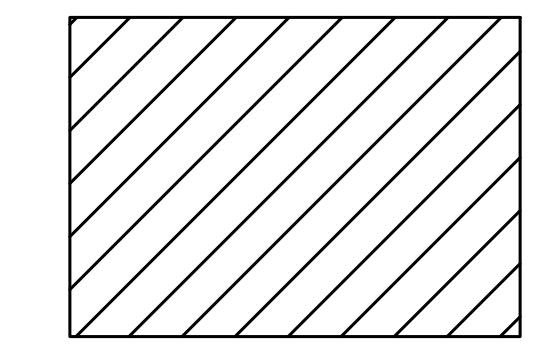
ORDINARY HAZARD GROUP 2 DESIGN APPROACH DATA

SYSTEM(S) TYPE: WET PIPE
REMOTE AREA: MOST HYDRAULICALLY DEMANDING 1500 SQ. FT.
ORDINARY HAZARD DENSITY: 0.20 GPM/ SQ. FT.
HEAD SPACING: 130 SQ. FT. PER HEAD (MAX.)

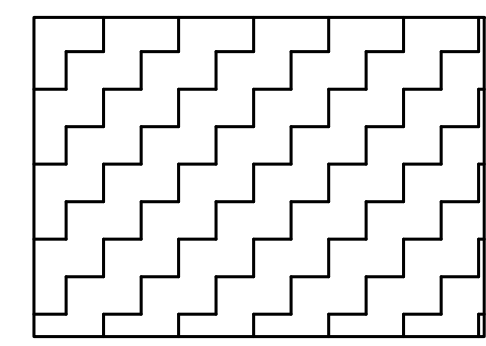
FIRE FLOW DATA

NO CURRENT FLOW TEST DATA. CONTRACTOR TO PERFORM FLOW TEST AND SIZE FIRE PUMP IF REQUIRED PER HYDRAULIC CALCULATIONS, APPROVING AUTHORITY AND ALL ADDITIONAL REQUIRED STANDARDS AND CODES

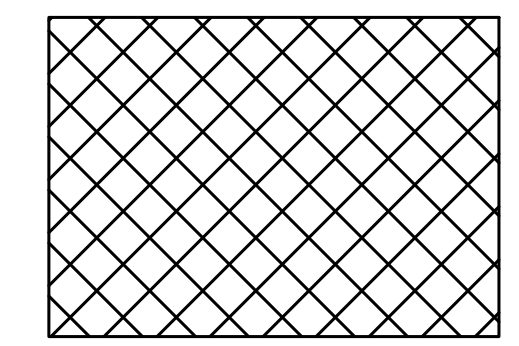
HAZARD CLASSIFICATIONS



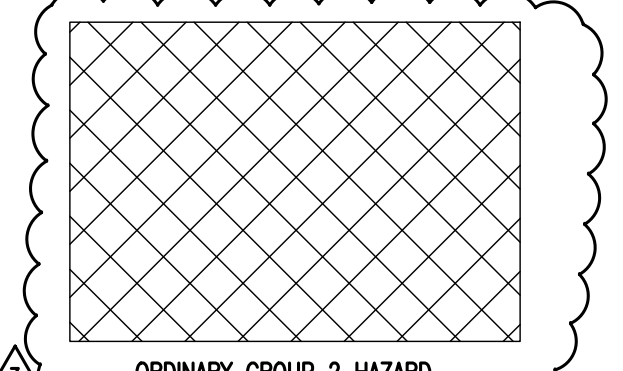
LIGHT HAZARD
.10 GPM/FT² / 1500 FT²
100 GPM HOSE ALLOWANCE



ORDINARY GROUP 1 HAZARD
.15 GPM/FT² / 1500 FT²
250 GPM HOSE ALLOWANCE



ORDINARY HAZARD DRY
.15 GPM/FT² / 1500 FT²
250 GPM HOSE ALLOWANCE



ORDINARY GROUP 2 HAZARD
.20 GPM/FT² / 1500 FT²
250 GPM HOSE ALLOWANCE

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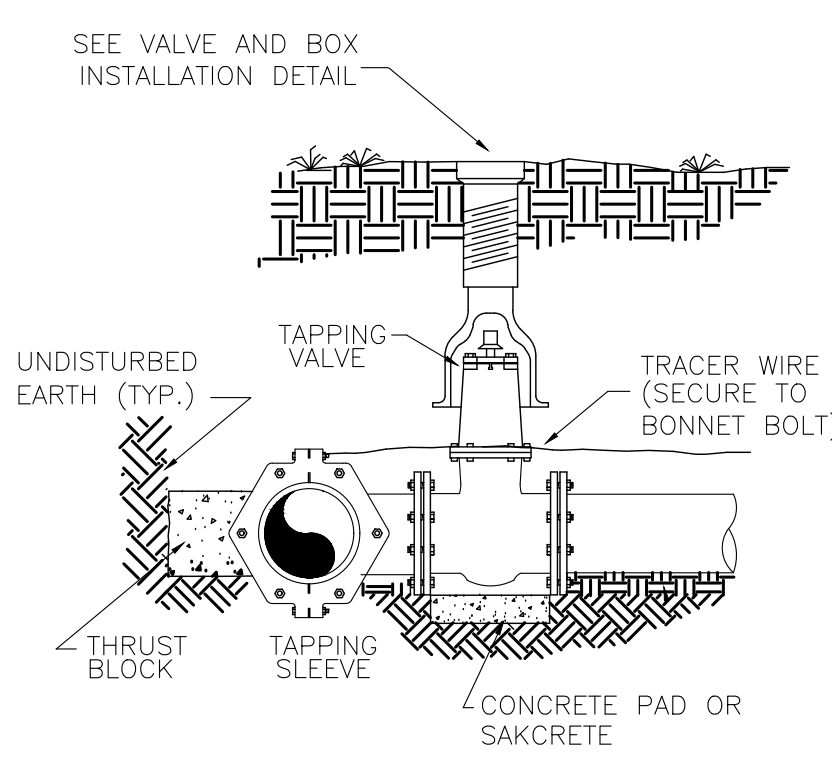
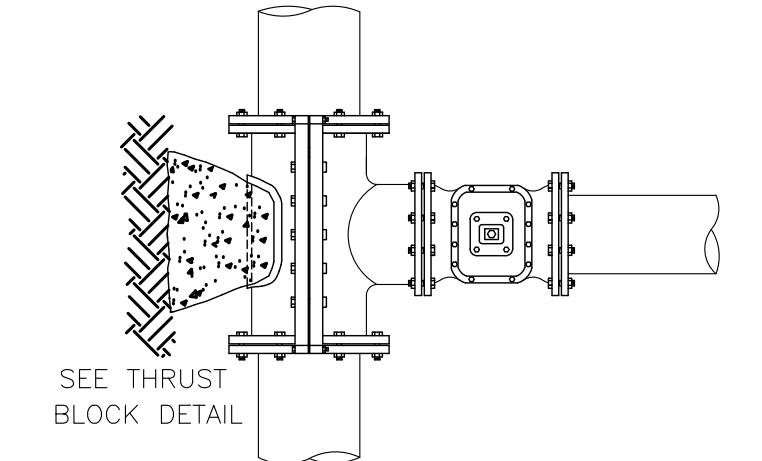
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JPE Job Number: 2349

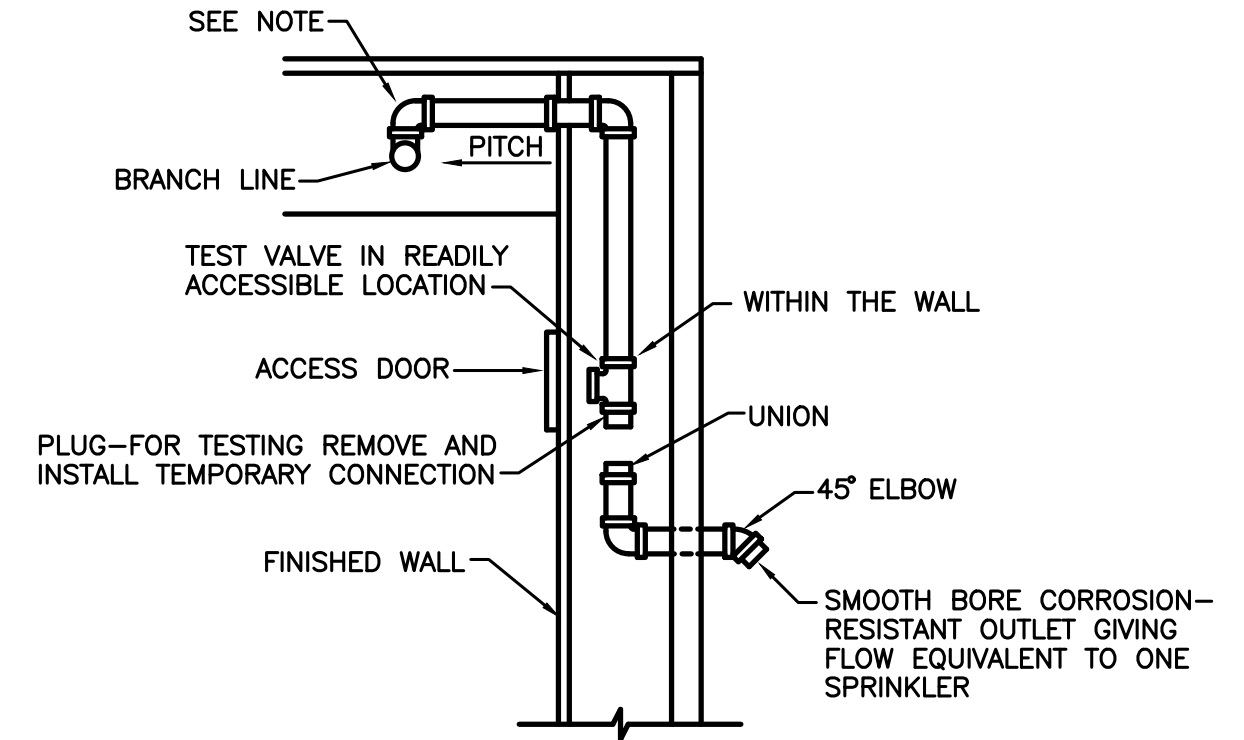
Table 11.2.3.1.2 Hose Stream Allowance and Water Supply Duration Requirements for Hydraulically Calculated Systems

Occupancy	Inside Hose		Total Combined Inside and Outside Hose		Duration (minutes)
	gpm	L/min	gpm	L/min	
Light hazard	0, 50, or 100	0, 189, or 379	100	379	30
Ordinary hazard	0, 50, or 100	0, 189, or 379	250	946	60-90
Extra hazard	0, 50, or 100	0, 189, or 379	500	1893	90-120

MAXIMUM DISTANCE BETWEEN HANGERS												
NOMINAL PIPE SIZE (in.)	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"	5"	6"	8"
STEEL PIPE EXCEPT THREADED LIGHTWALL	N/A	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0
THREADED LIGHTWALL STEEL PIPE	N/A	12-0	12-0	12-0	12-0	12-0	12-0	N/A	N/A	N/A	N/A	N/A
COPPER TUBE	8-0	8-0	10-0	10-0	12-0	12-0	12-0	15-0	15-0	15-0	15-0	15-0
CPVC	5-6	6-0	6-6	7-0	8-0	9-0	12-0	N/A	N/A	N/A	N/A	N/A

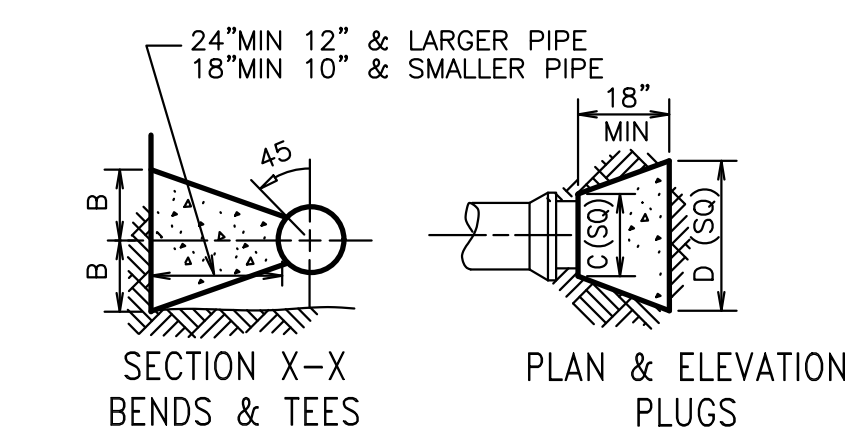
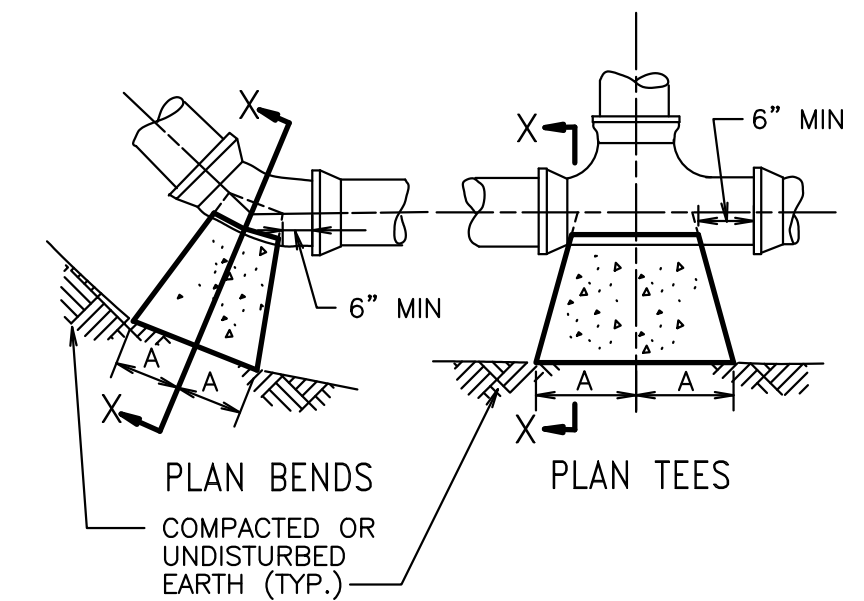


TAPPING SLEEVE & VALVE DETAIL
 N.T.S.



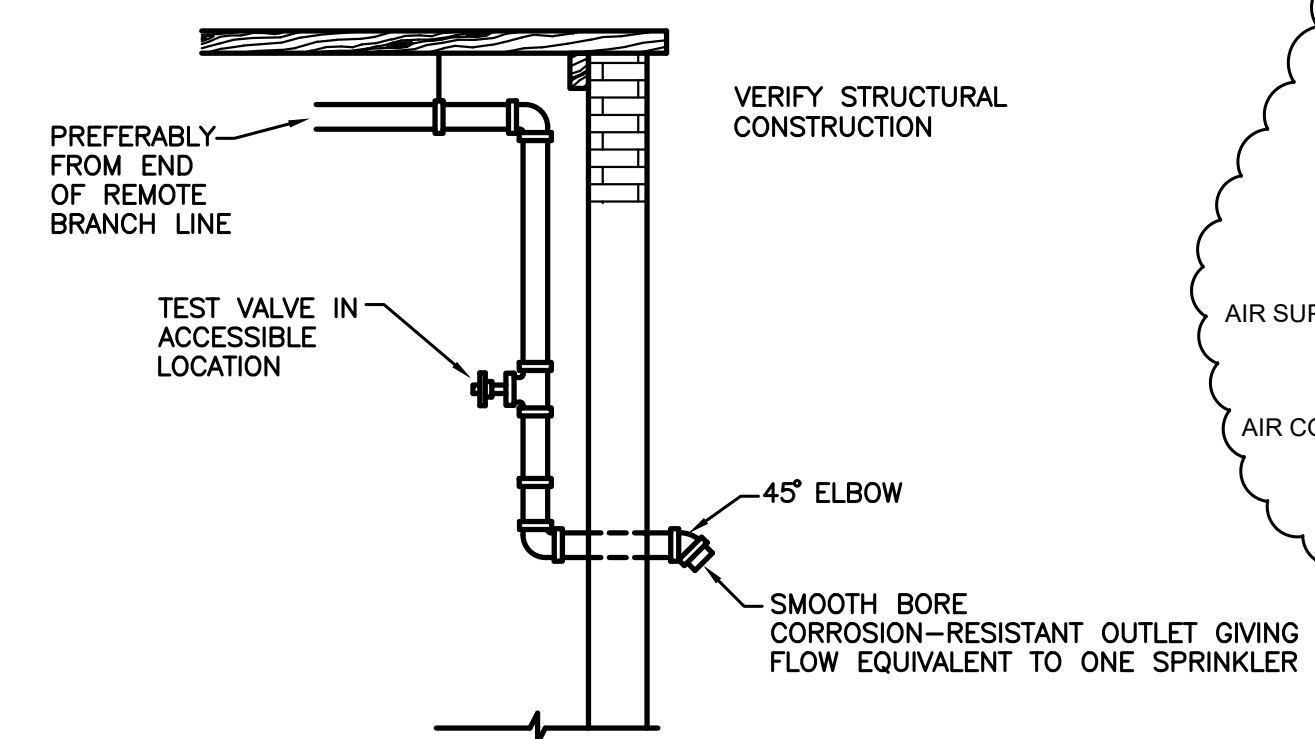
NOTE: TO MINIMIZE CONDENSATION OF WATER IN THE DROP TO THE TEST CONNECTION, PROVIDE A NIPPLE-UP OFF OF THE BRANCH LINE.
 NFPA 13 A.B.17.4.2

INSPECTORS TEST CONNECTION
 DRY PIPE SYSTEM
 NO SCALE



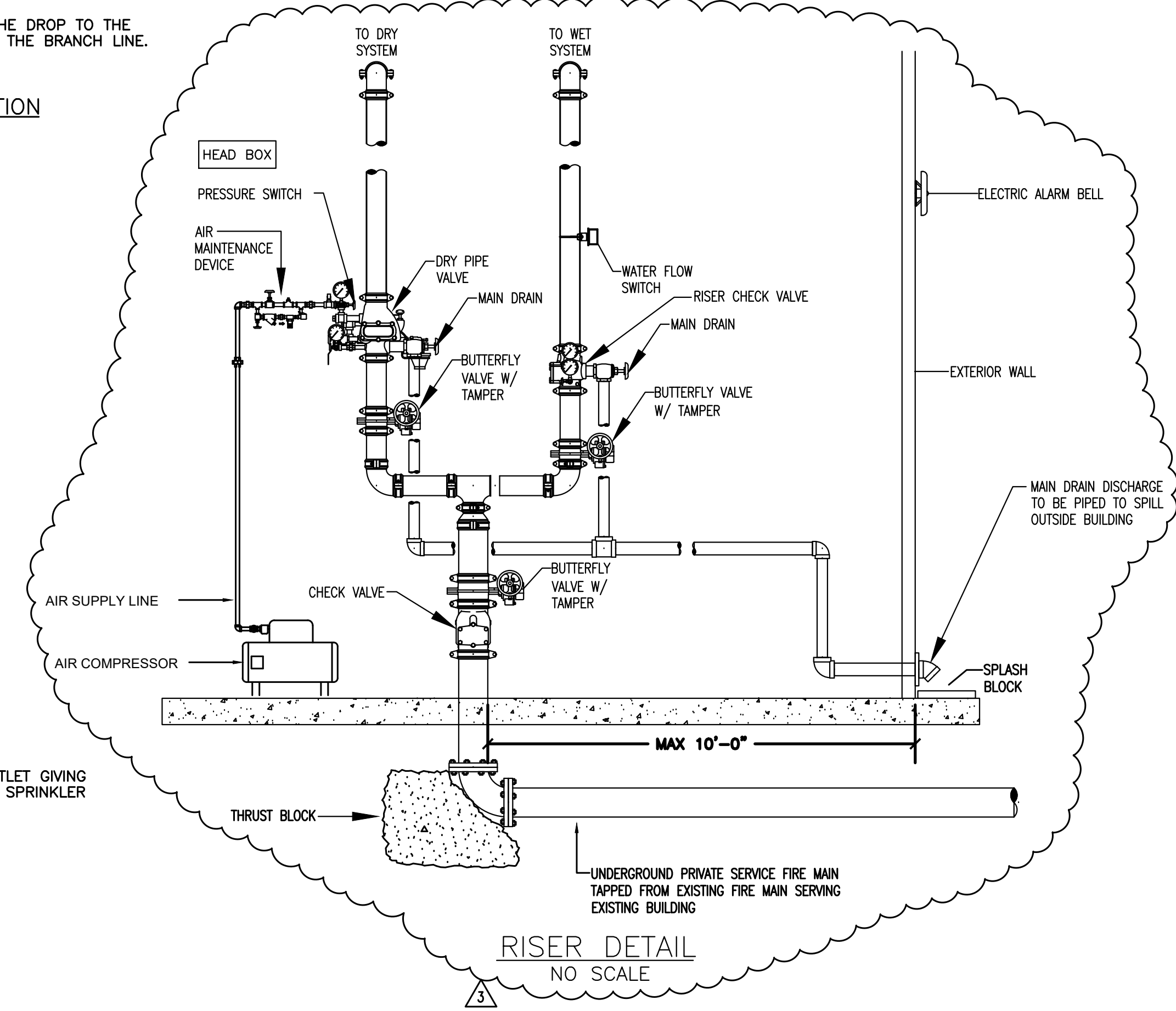
SIZE	1/4 BENDS		1/8 BENDS		1/16 BENDS		TEES		PLUGS	
	A	B	A	B	A	B	A	B	C	D
6"	16"	10"	9"	10"	6"	8"	10"	12"	10"	21"
8"	22"	13"	12"	13"	8"	10"	13"	16"	12"	29"
10"	26"	17"	14"	17"	10"	13"	16"	20"	14"	36"
12"	29"	21"	16"	21"	11"	16"	18"	24"	16"	41"
14"	35"	24"	19"	24"	12"	20"	22"	27"	18"	48"
16"	38"	27"	21"	27"	12"	24"	24"	30"	20"	54"

THRUST BLOCK DETAILS
 N.T.S.



NOTE: NOT LESS THAN 4 FT (1.2 M) OF EXPOSED TEST PIPE IN WARM ROOM BEYOND VALVE WHERE PIPE EXTENDS THROUGH WALL TO OUTSIDE.

INSPECTORS TEST CONNECTION
 WET PIPE SYSTEM
 NO SCALE



RISER DETAIL
 NO SCALE

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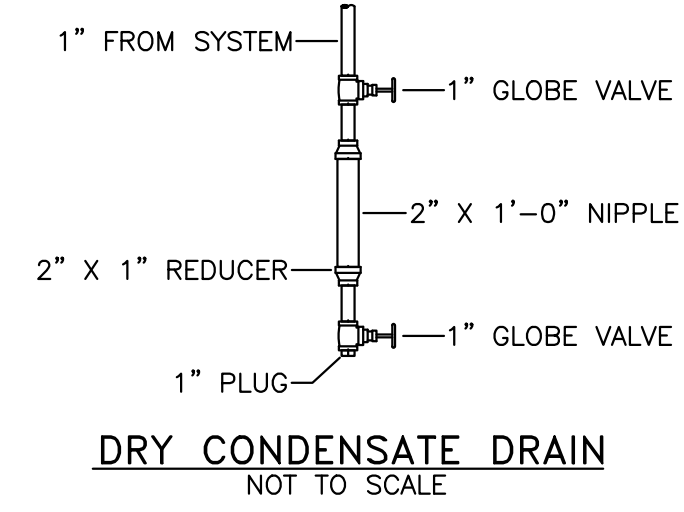
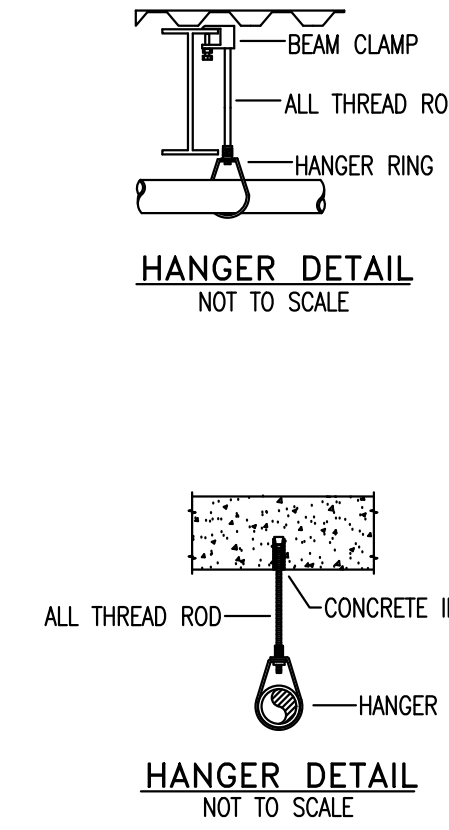
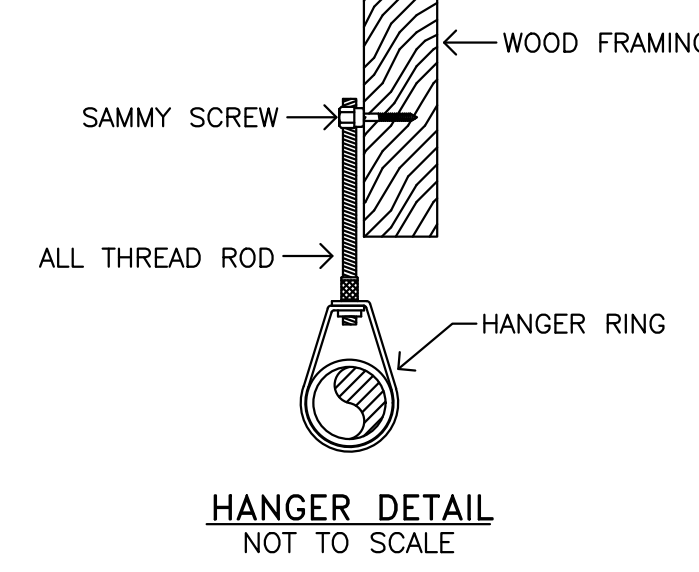
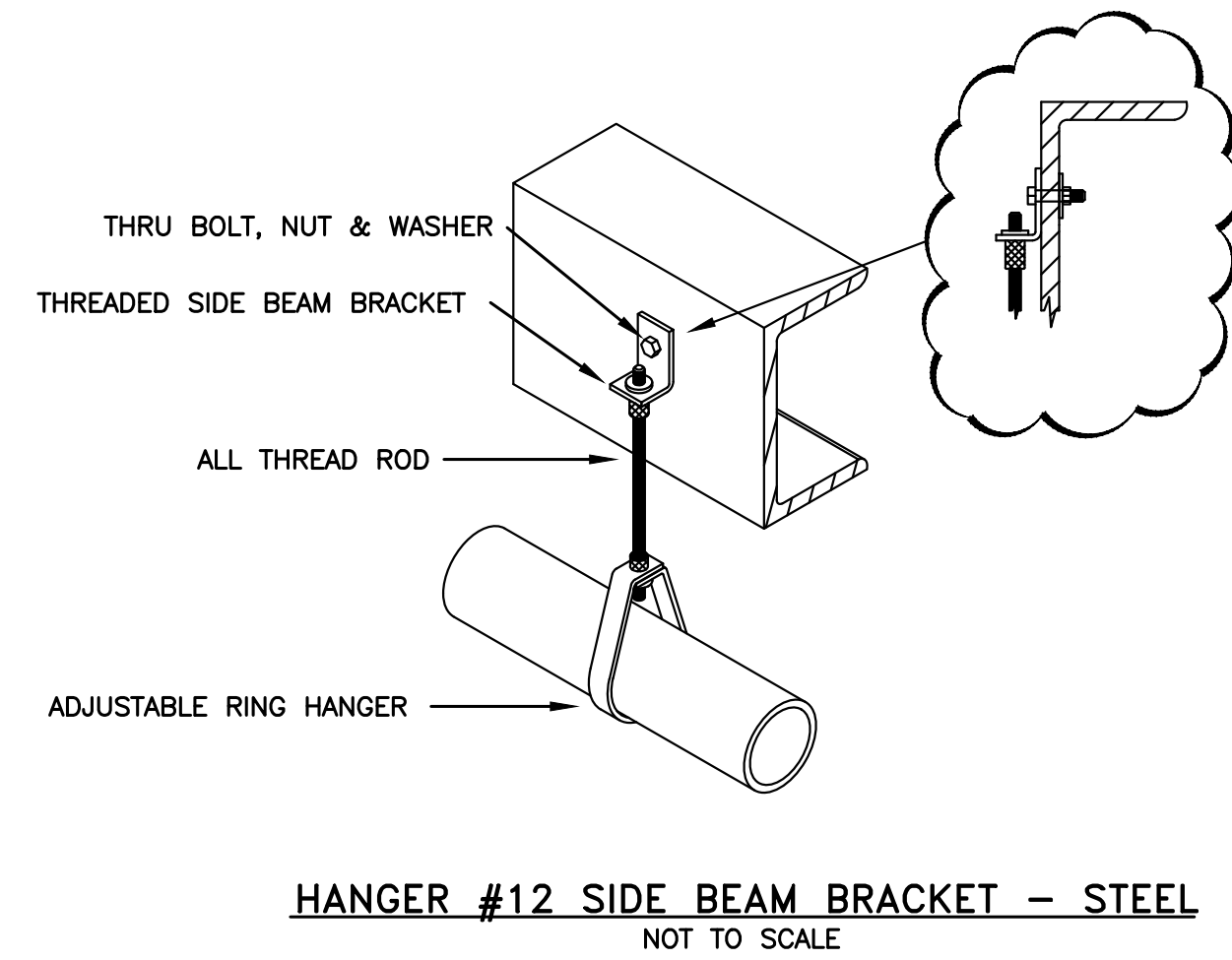
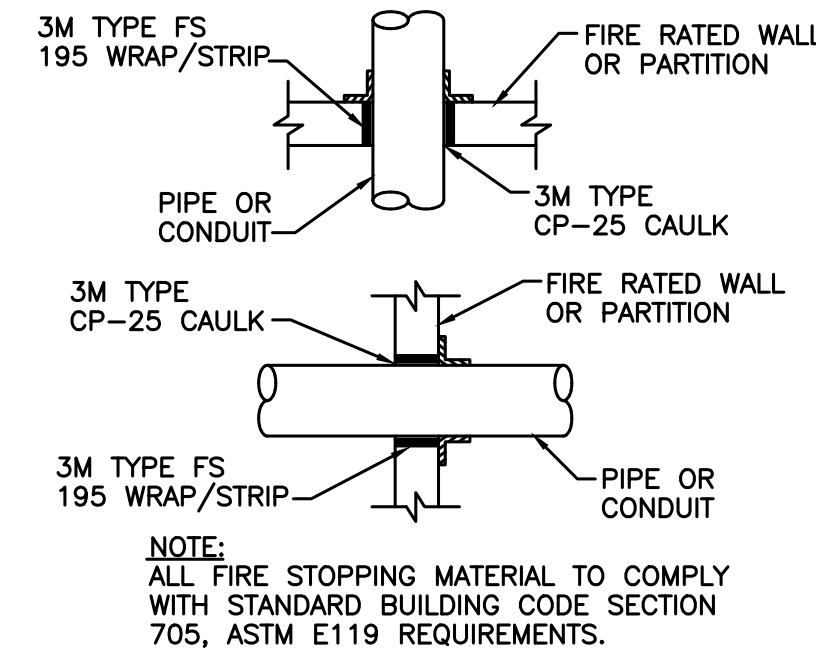
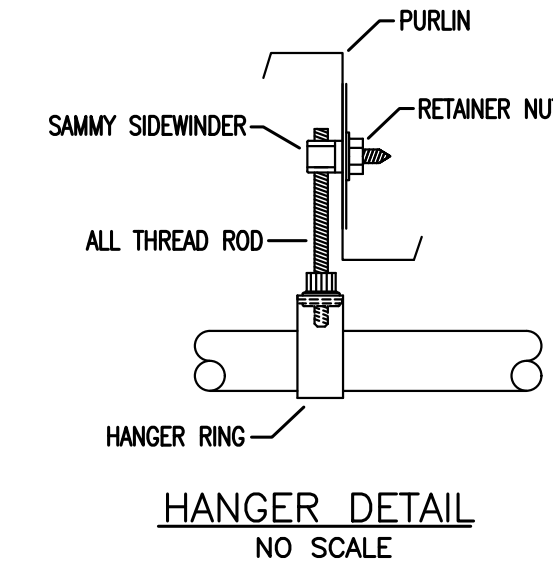
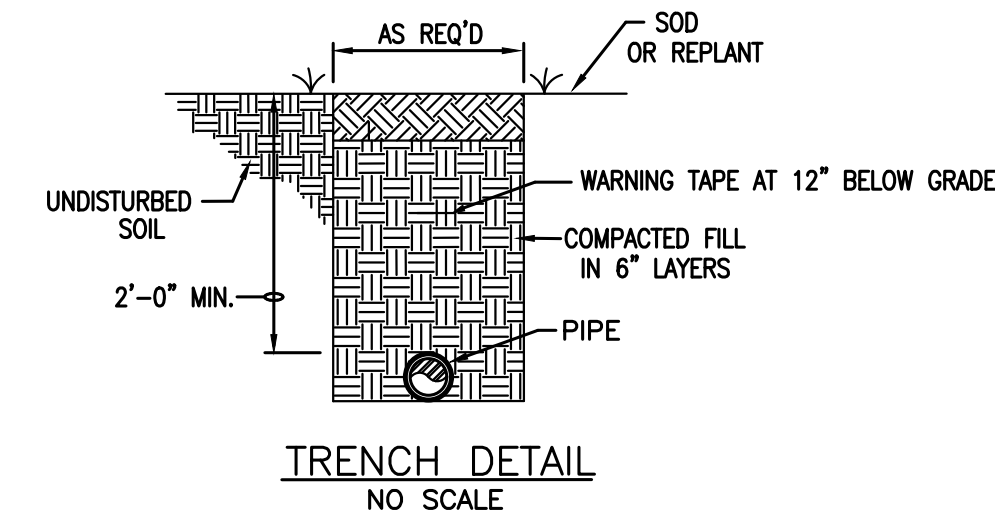
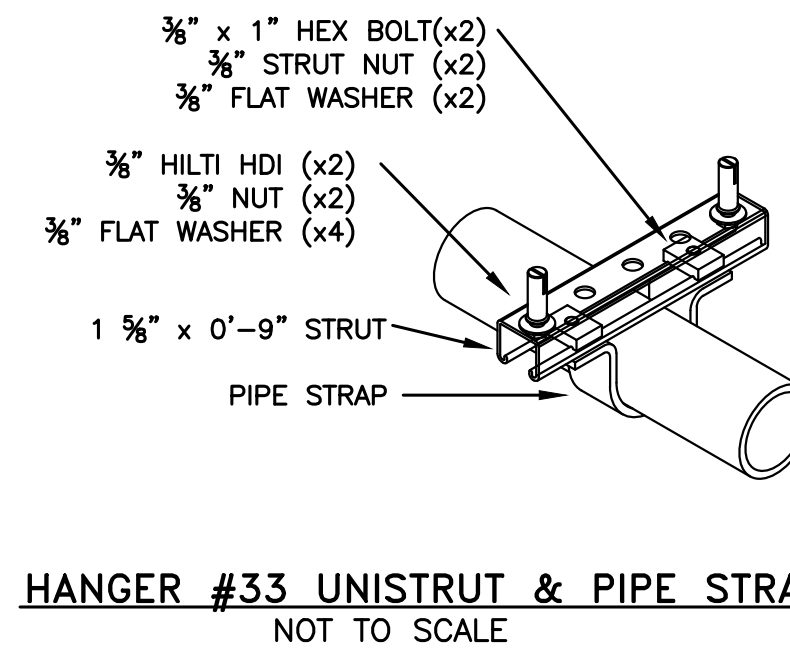
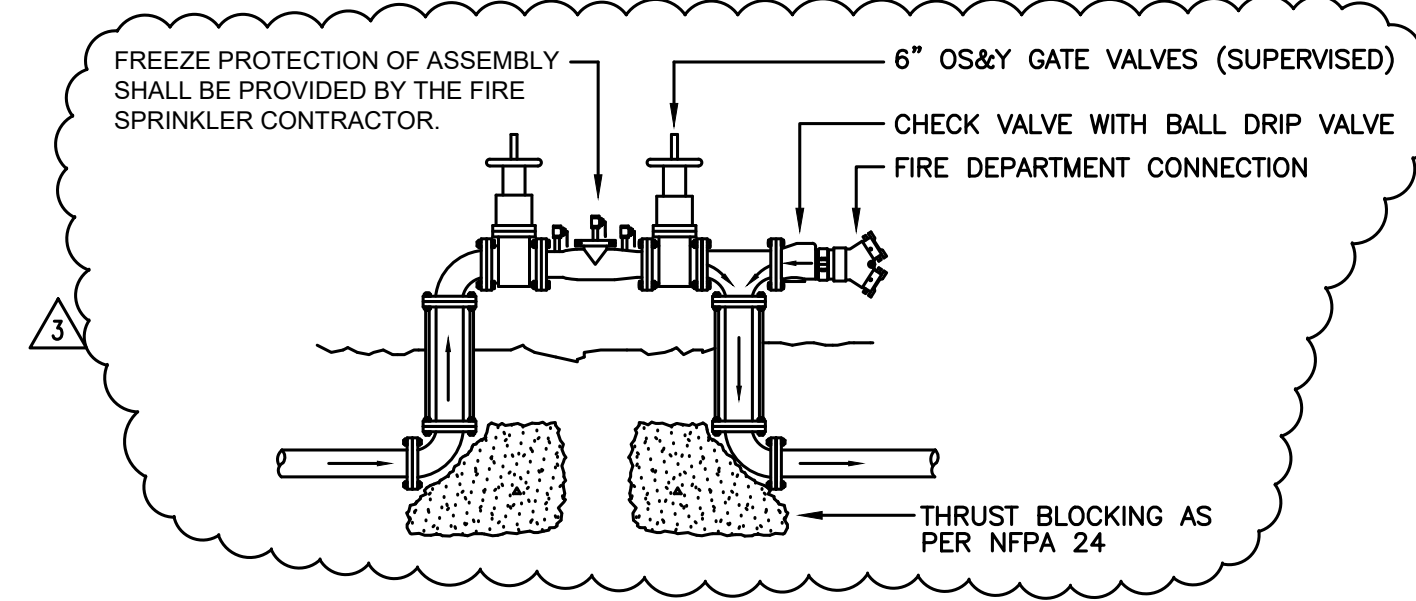
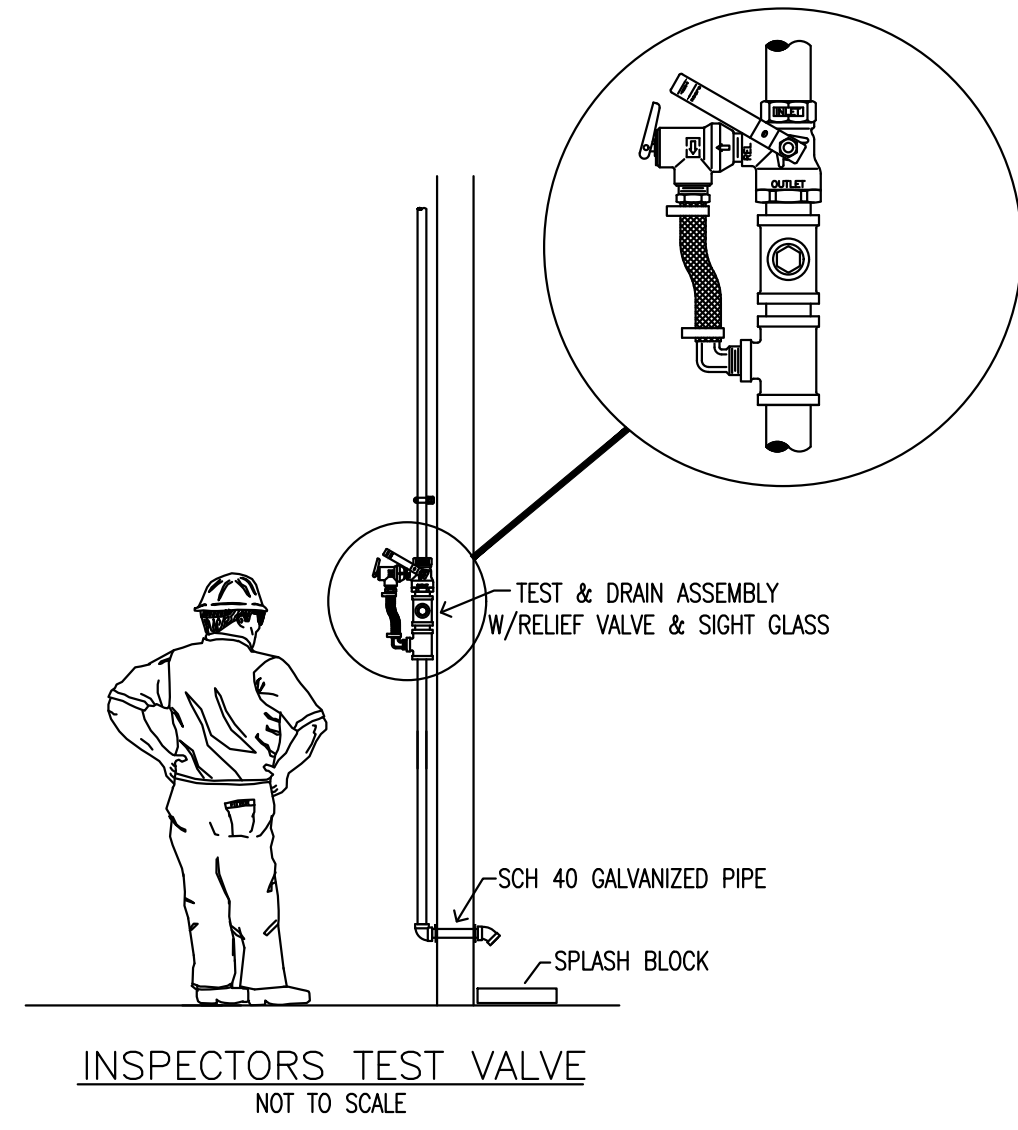
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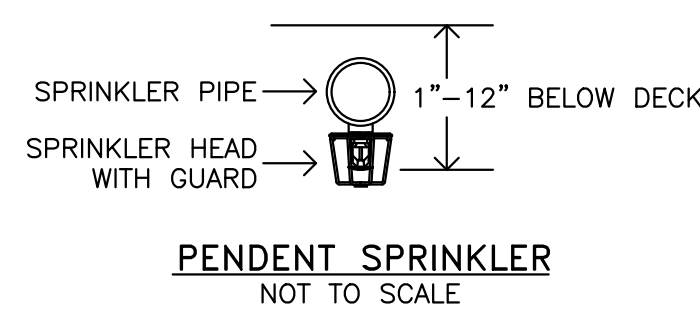
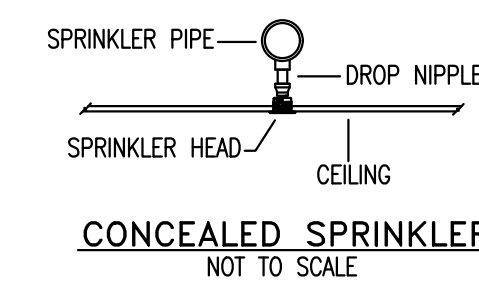
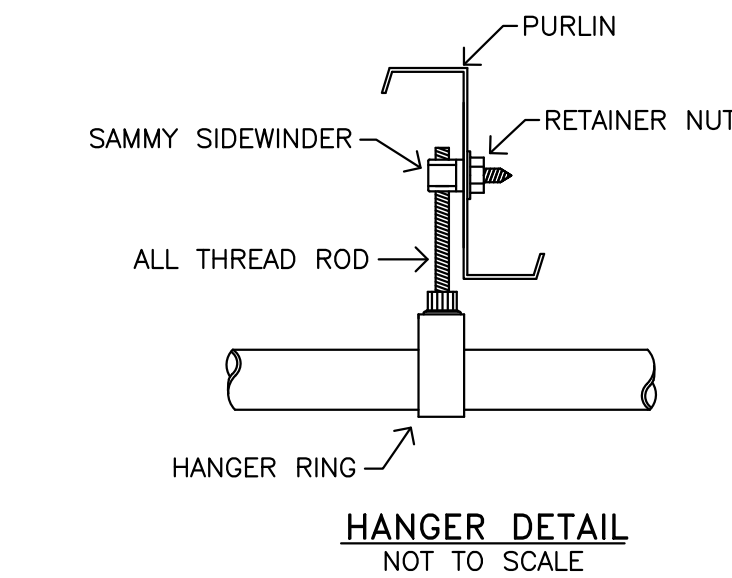
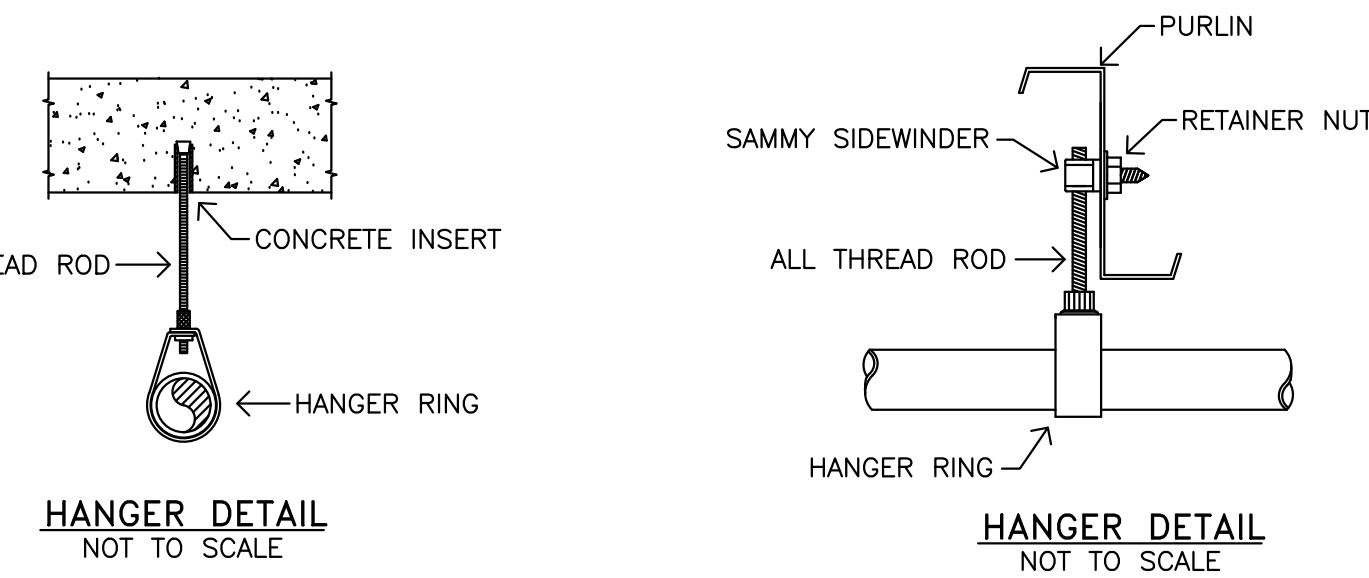
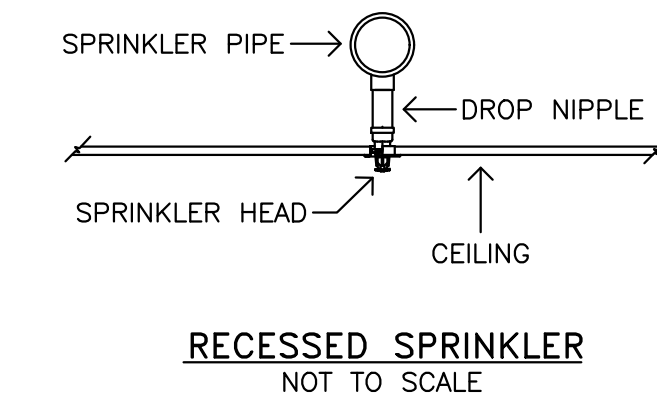
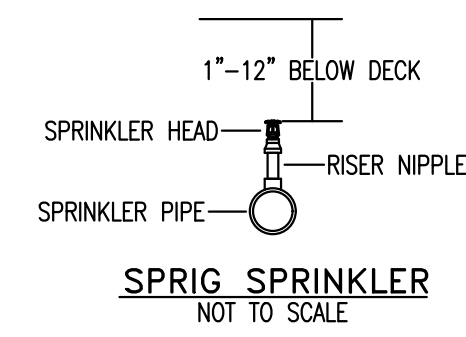
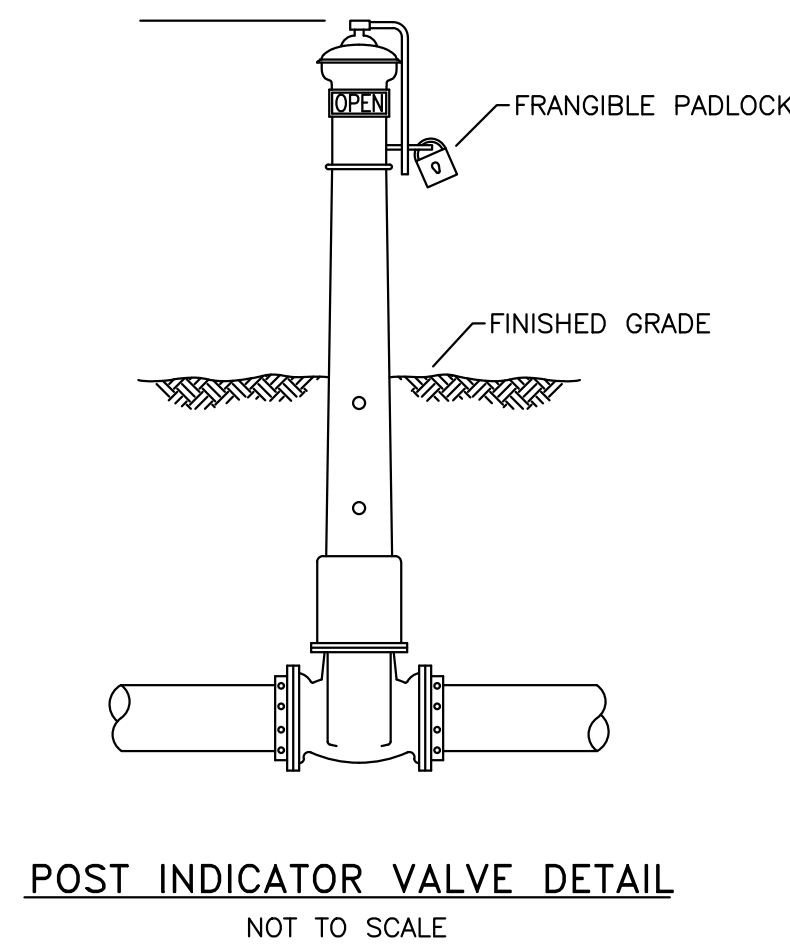
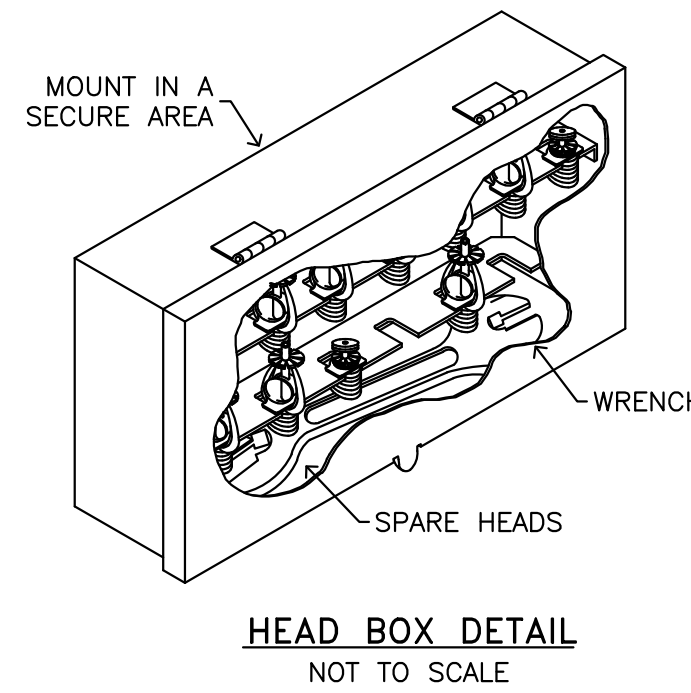
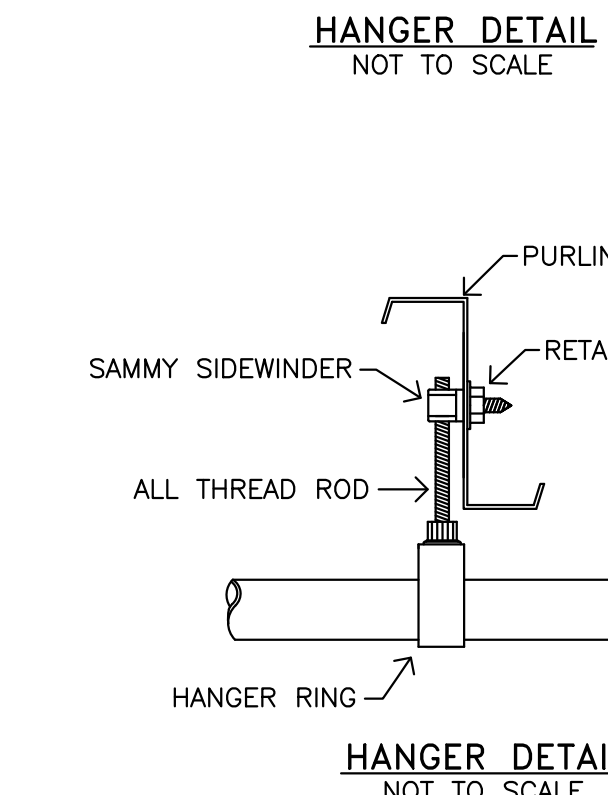
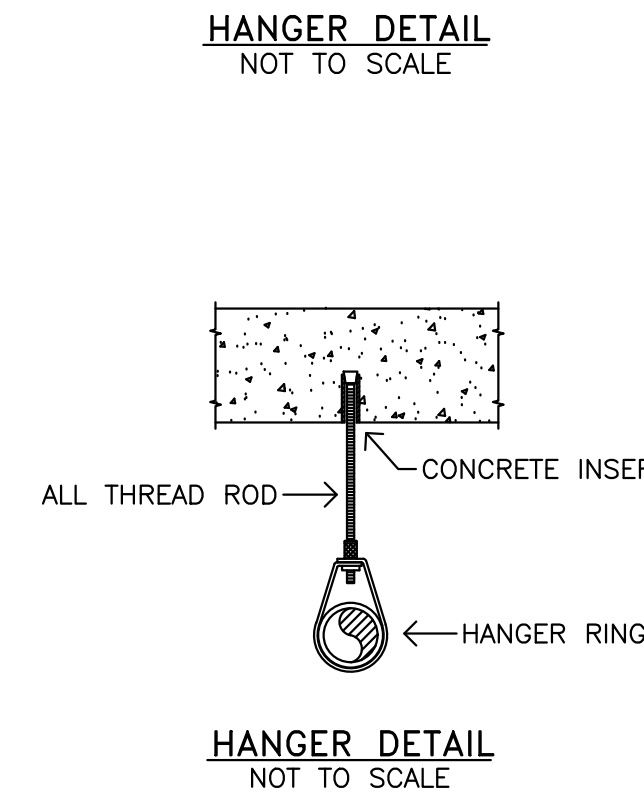
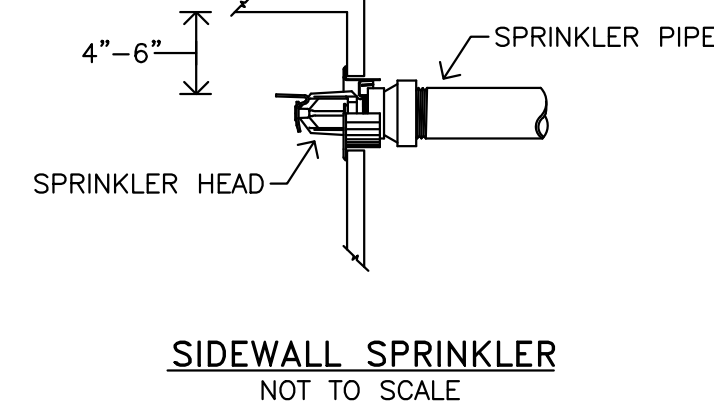
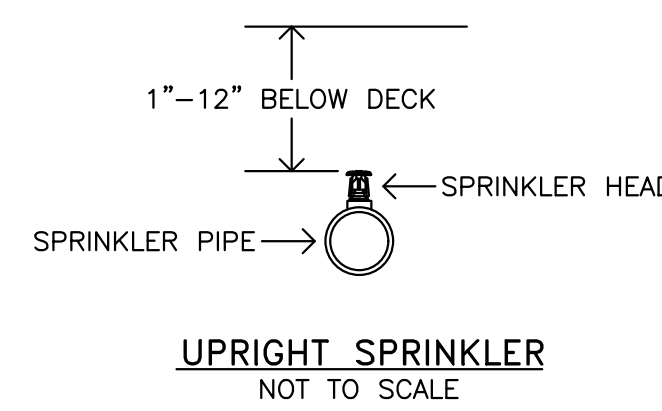
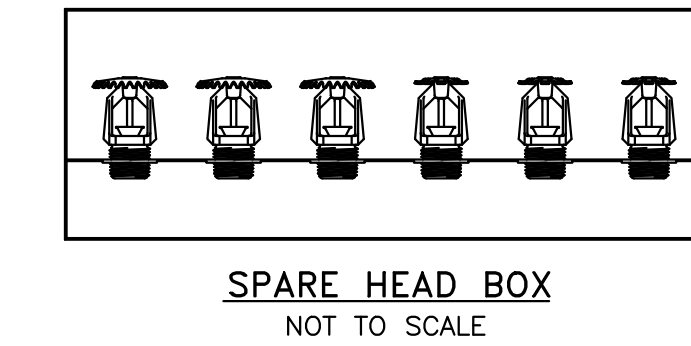
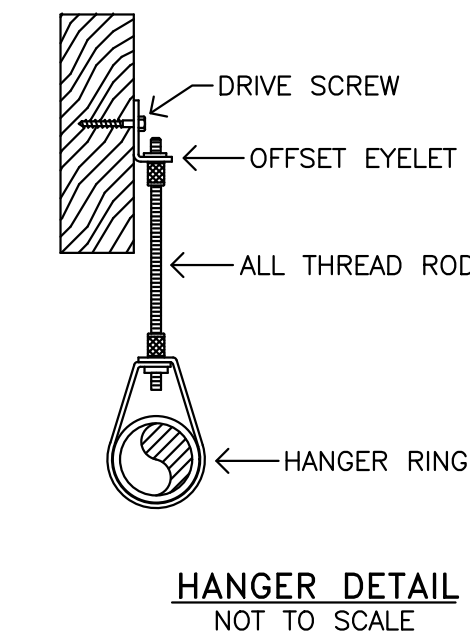
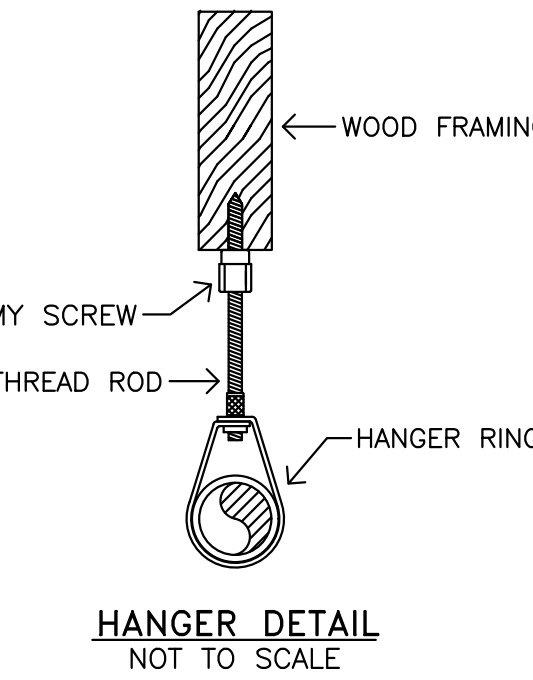
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DETAIL-FIRE STOPPING OF PIPING PENETRATIONS NO SCALE

HANGER #12 SIDE BEAM BRACKET - STEEL NOT TO SCALE





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DATE: 12/22/2023

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REVISIONS: MULTIPLE MODS

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