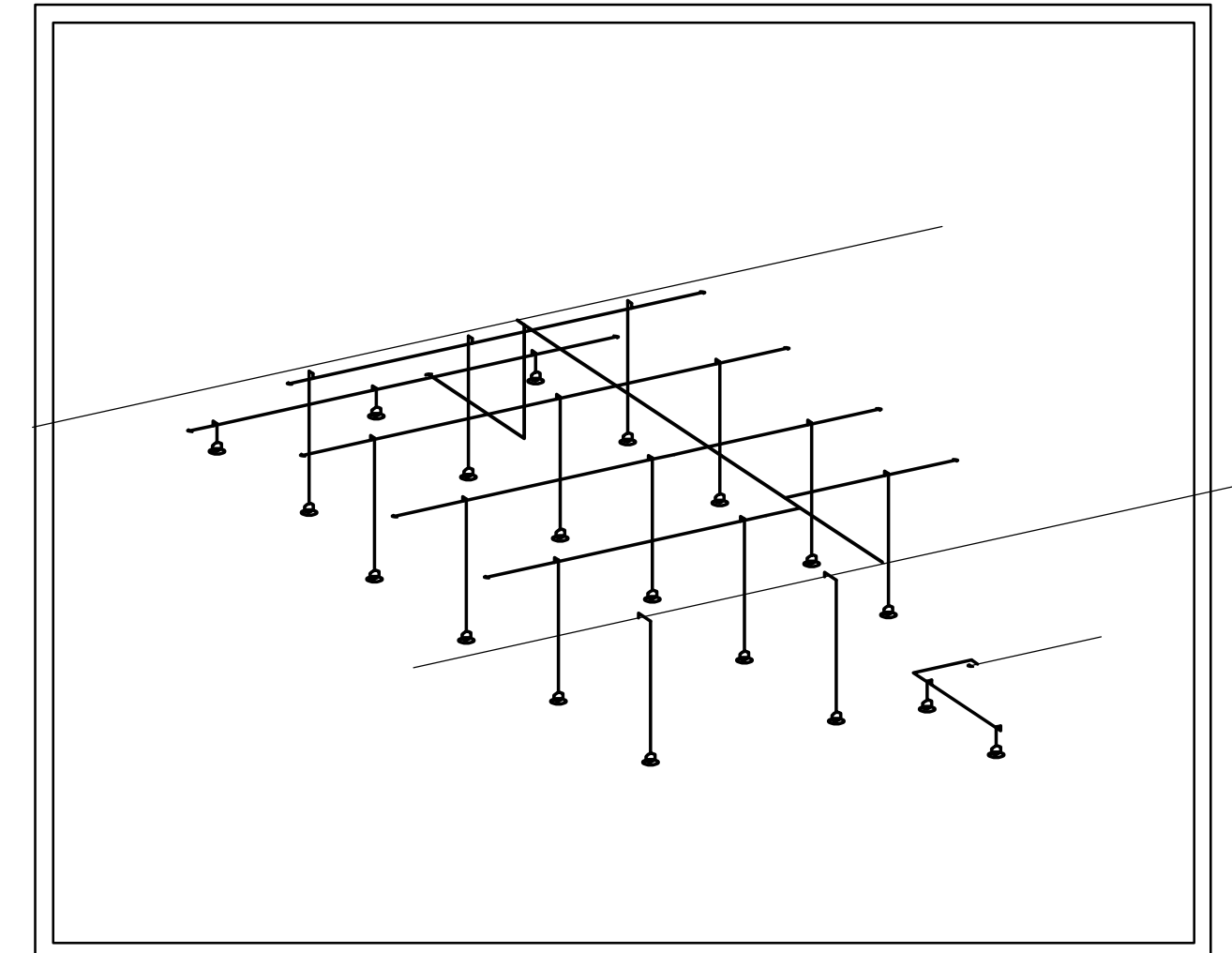
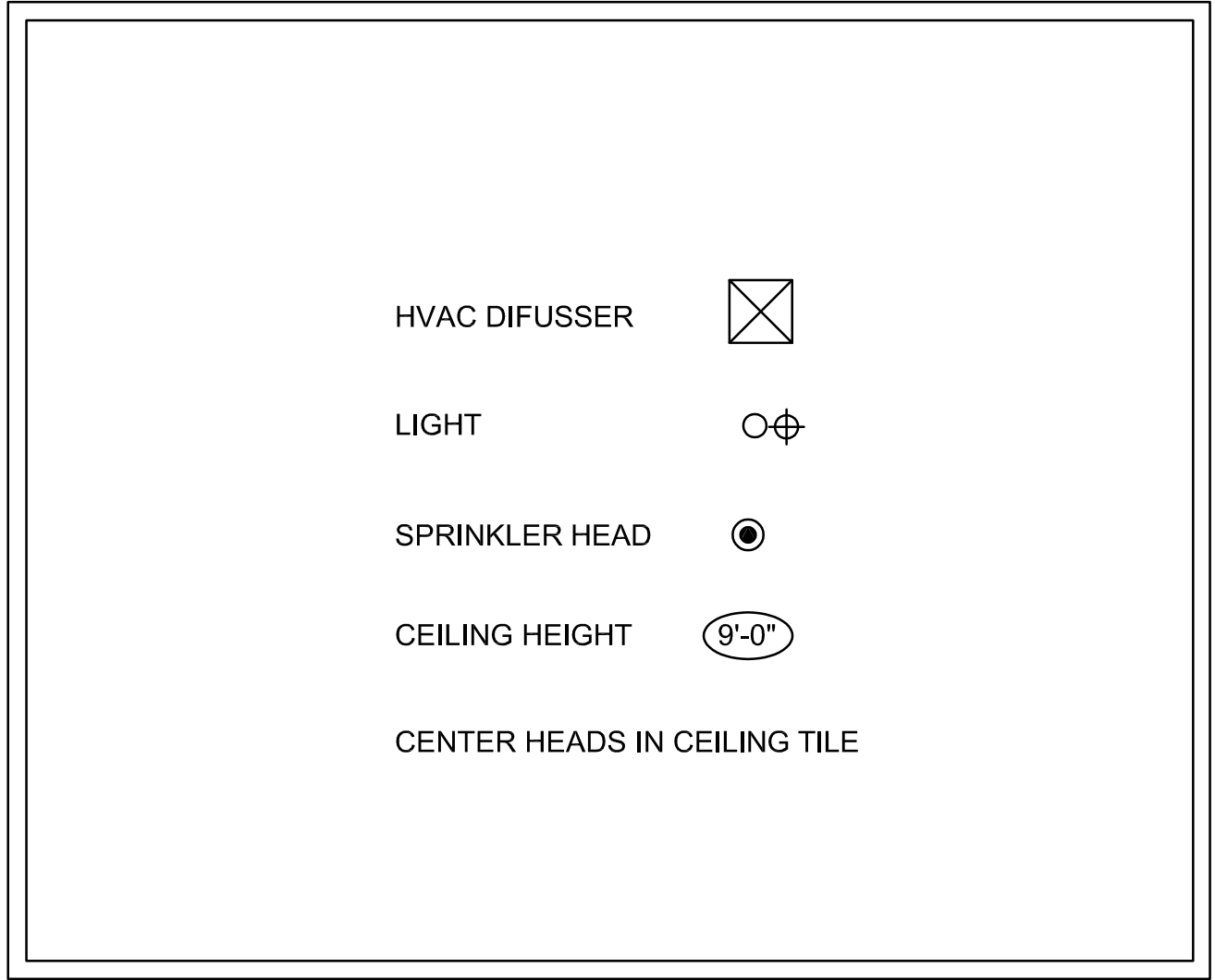
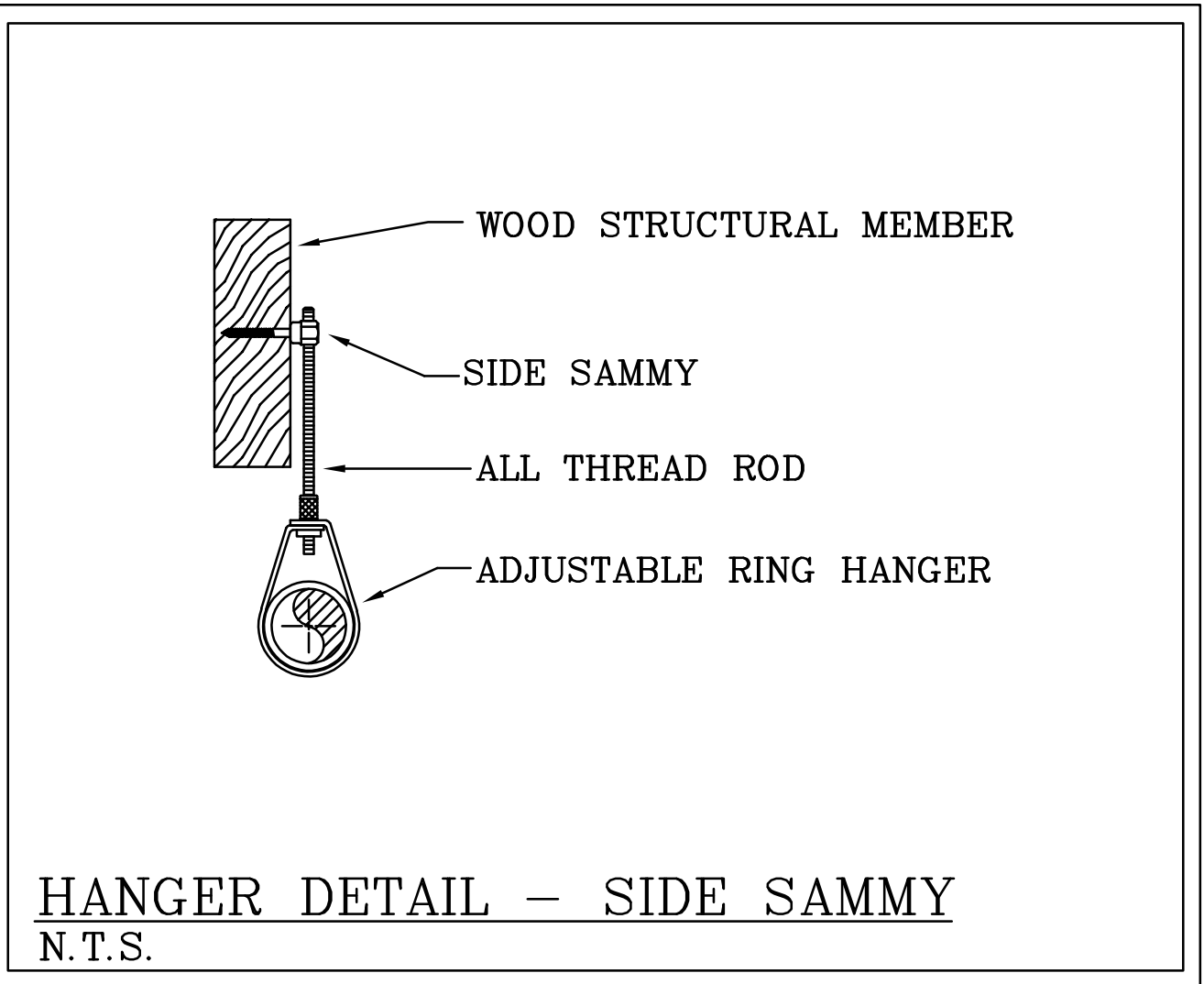


Return bends are required from dry systems per 7.2.2(3) NFPA 13. It looks like the line diagram detail shows this so this is just a note



GENERAL NOTES:

- HARVEY & PRICE TO ADD/RELOCATE NEW HEADS FROM THE EXISTING SYSTEM TO REMODELED AREA PER WALL AND CEILING PLANS.
- IT IS THE RESPONSIBILITY OF THE OWNER TO MAINTAIN THE INTEGRITY OF THE SPRINKLER SYSTEM.
- ALL SPRINKLER SYSTEM MATERIALS SHALL BE F.M. AND/OR U.L. LISTED.
- ALL FIRE SPRINKLER COMPONENTS AND COMPONENT LOCATION SHALL CONFORM TO NFPA 13 (2013) & LOCAL AHJ STANDARDS.
- FIRE DEPARTMENT CONNECTION LOCATION AND TYPE SHALL CONFORM TO THE LOCAL AHJ REQUIREMENTS.
- ROUTING OF PIPES SHOWN ON PLANS ARE CONCEPTUAL AND MAY NOT BE THE FINAL LOCATION. FINAL LOCATION DETERMINED BY ACTUAL FIELD CONDITIONS.
- FINAL SPRINKLER HEAD LOCATION SHALL CONFORM WITH NFPA 13 (2013) STANDARDS, PAY CLOSE ATTENTION TO OBSTRUCTION RULES FOUND IN NFPA 13 (2013) CHAPTER 8.
- PIPE 2" AND SMALLER SHALL BE SCHEDULE 40/DYNA THREAD STEEL PIPE WITH CLASS 125 CAST IRON FITTINGS CONFORMING WITH NFPA 13 (2013) STANDARDS. GRID PIPE MAY BE SCHEDULE 10/DYNA FLOW, U.N.O.
- PIPE 2 1/2" AND LARGER SHALL BE SCHEDULE 10/DYNA FLOW CONTINUOUS BLACK WELD STEEL PIPE WITH WELDED AND/OR MECHANICAL TYPE FITTINGS CONFORMING WITH NFPA 13 (2013) STANDARDS, U.N.O.
- GROOVED COUPLINGS ARE RIGID U.N.O. ALL RISERS SHALL HAVE A FLEXIBLE COUPLING AT THE TOP AND BOTTOM OF THE RISER.
- ALL VALVES SHALL HAVE A PERMANENTLY AFFIXED SIGN, INDICATING FUNCTION.
- THIS SYSTEM WILL INCLUDE A TAMPER AND FLOW SWITCH AND SHALL BE MONITORED PER NFPA 13 (2013) 8.16.1.1.2.1. WIRED BY OTHERS
- A STOCK OF TWO SPARE SPRINKLERS OF EACH STYLE, TYPE, AND TEMPERATURE RATING ALONG WITH A SPRINKLER WRENCH SHALL BE LOCATED AT THE RISER AND CONFORM TO NFPA 13 (2013) REQUIREMENTS.
- ALL SPRINKLER SYSTEMS SHALL BE ARRANGED FOR FLUSHING PER NFPA 13 (2013) 8.16.3.1.
- ALL UNDERGROUND CONNECTIONS SHALL BE FLUSHED PER NFPA 13 (2013) 10.10.2.1.1 & 10.10.2.1.2. UNLESS STATED OTHERWISE ALL UNDERGROUND PIPING 5'+ FROM THE BUILDING IS BY OTHERS.
- ALL PIPING SHALL DRAIN BACK TO THE MAIN RISER. WHERE NOT POSSIBLE, PROVIDE AUXILIARY DRAINS IN APPROVED LOCATIONS.
- ANY PORTION OF THE SPRINKLER SYSTEM THAT IS EXPOSED TO TEMPERATURES BELOW 40 DEG. F. SHALL BE ADEQUATELY PROTECTED AGAINST FREEZING. N.I.C.
- ALL HANGER LOCATIONS ARE APPROXIMATE, FIELD LOCATE PER NFPA 13 (2013).
- ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE FIRE-STOPPED TO A LEVEL EQUAL OR GREATER THAN THE RATED PARTITION.
- CUTTING OF STRUCTURAL MEMBERS SHALL NOT BE DONE UNLESS DIRECTED TO DO SO IN WRITING BY THE ARCHITECT OR ENGINEER OF RECORD.
- REMODELED AREA IS LESS DEMANDING THAN ORIGINAL NO HYDRAULIC CALCULATIONS REQUIRED.

Sprinkler Legend												
Symbol	Manufacturer	SIN/Model	Quantity	K-Factor	Type	Size	Response	Orifice	Finish	Temperature	Note	
●	TYCO	TY321	19	5.6	Pendule	1/2"	Standard	1/2"	Chrome	155°F		
			Total									

FIRE SPRINKLER PIPING PLAN

1/8" = 1'-0"

CHRISTOPHER S. MURRAY
NICET III #128867
WATER-BASED
SYSTEMS LAYOUT
VALID THRU 06/01/2018

HARVEY & PRICE
2015 NUGGET WAY
EUGENE, OREGON 97403
(541) 746-1621
WWW.HARVEYANDPRICE.COM

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CONSTRUCTION DOCUMENTS FOR THE:
SUMMIT CHURCH
275 W 5TH AVENUE
EUGENE OREGON 97401

PROJECT NO. 1761310
DRAWN M.T.
CHECKED JLR
DATE 24-JAN-2018
REV. DATE

1/8" = 1'-0"
GRAPHIC SCALE: 1/8" = 1'-0"

FIRE SPRINKLER PIPING PLAN
FP.1
SHEET 1 OF 1