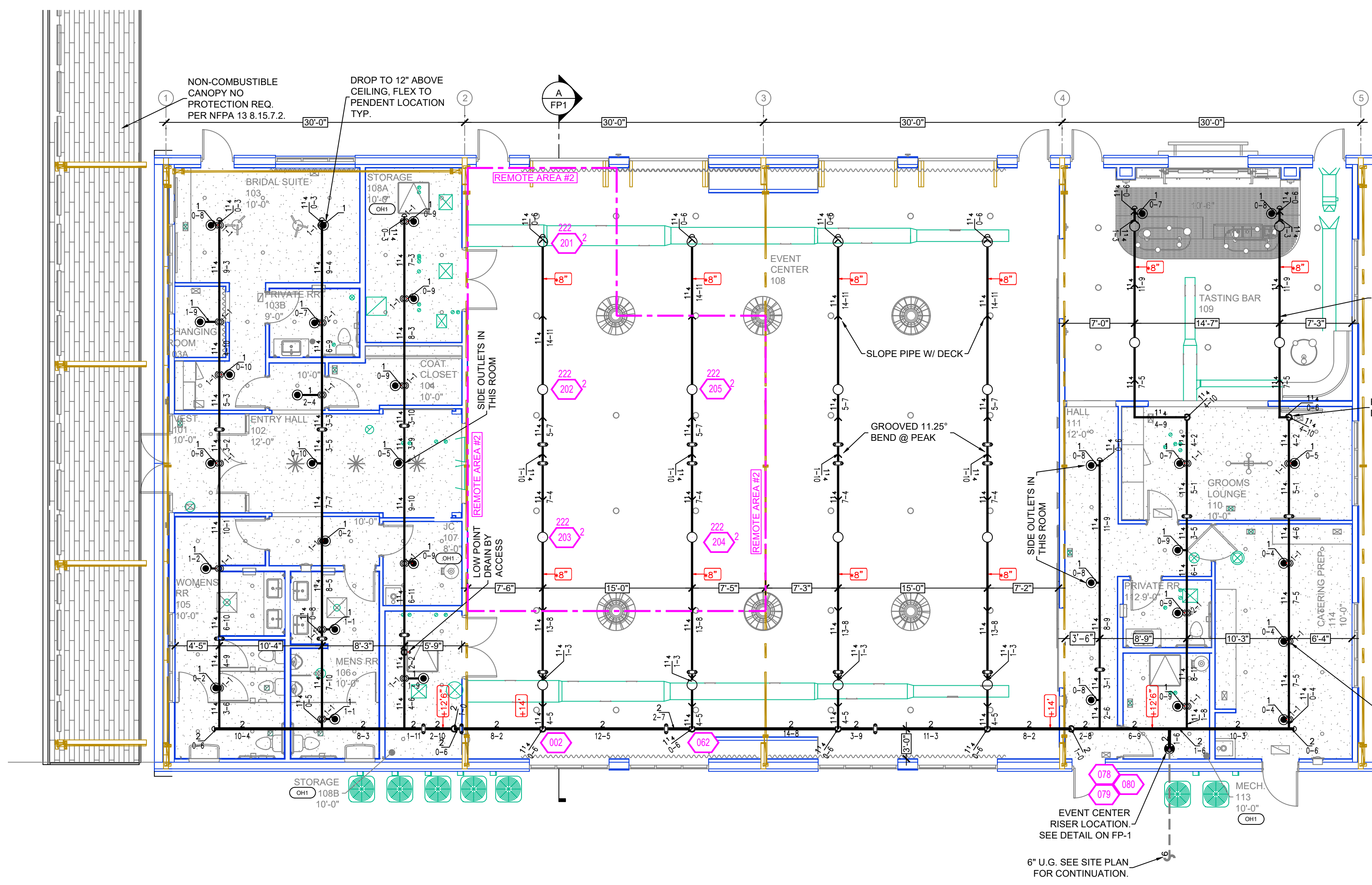




Design Area #2 HAZARD LIGHT
Zone: 1 System Type: WET
Location: EVENT SPACE
Flowing Outlets: 5
Density: 0.10 Remote Area: 1108
Flow: 219.7 gpm @ 46.3 psi
Calculation Safety: 37 psi
Includes 100 gpm Hose allowance

NOTE: 1500sf REDUCED BY 26.5% TO 1102sf
DUE TO CEILING HEIGHT PER NFPA 13 FIG.
11.2.3.2.1

EVENT CENTER FIRE PROTECTION PLAN

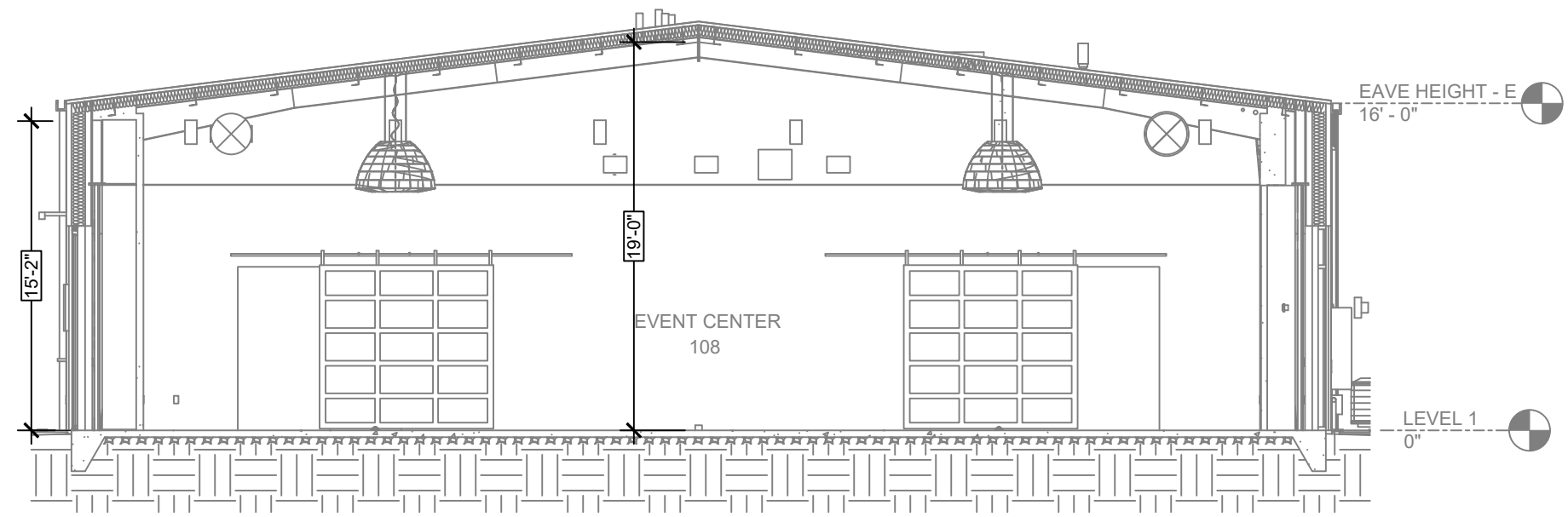
SCALE: 1/8" = 1'-0"

PIPE LEGEND

WET BLACK STEEL PIPING
DRY BLACK STEEL PIPING

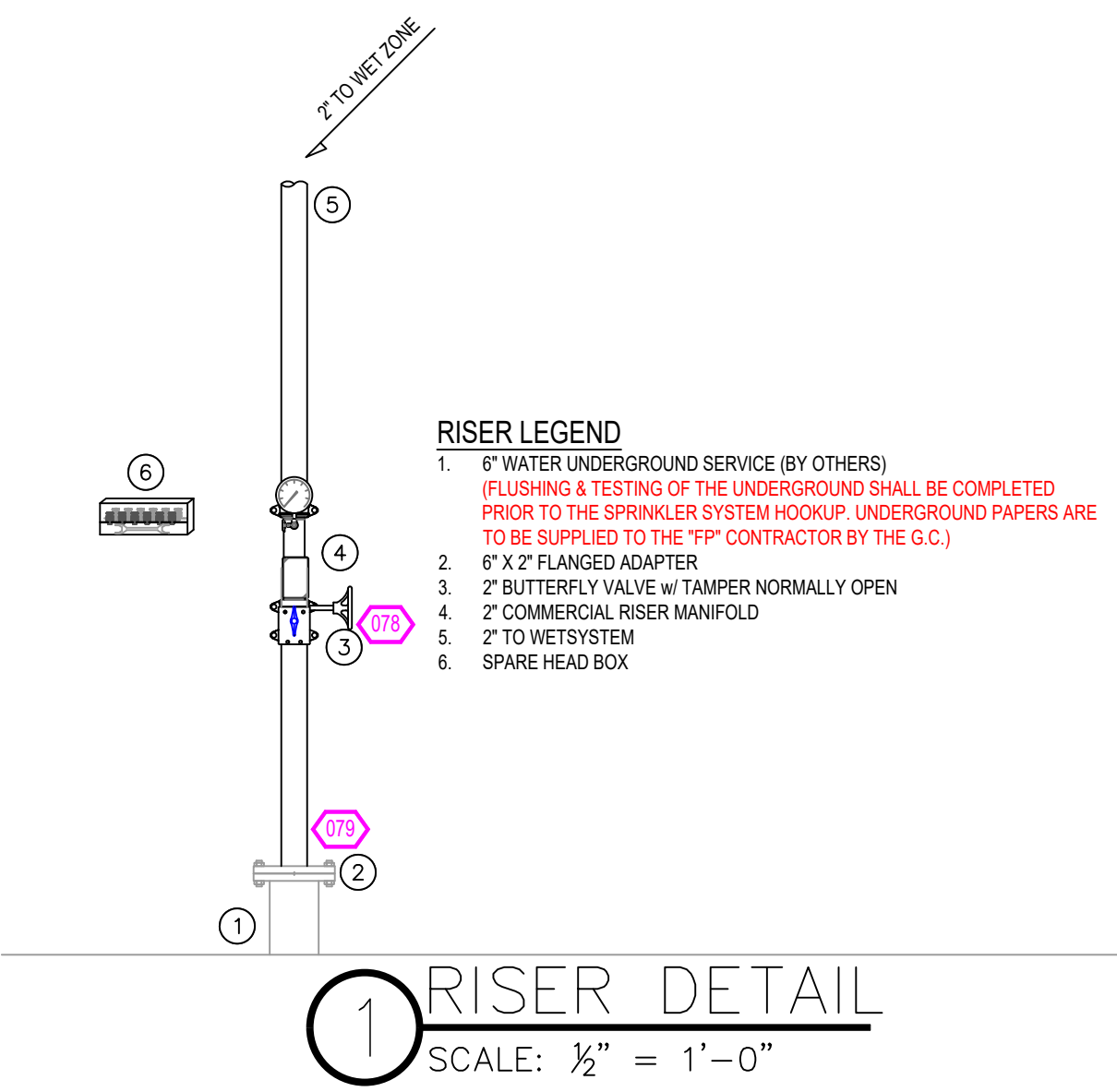
SPRINKLER HEAD LEGEND (EVENT CENTER)

SYM	CNT	POSITION	FINISH	TEMP	K	NPT	SIN	MFG.	RESPONSE	MODEL#	ESCU/THCON	MAX SPACING
●	32	PENDENT	WHITE	200°	5.60	1/2"	TY323	TYCO	QUICK	TY-FRB	SEMI RECESSED	225 S.F. (LH) 130 S.F. (OH)
○	20	UPRIGHT	BRASS	200°	5.60	1/2"	TY113	TYCO	QUICK	TY-FRB	NONE	225 S.F. (LH) 130 S.F. (OH)
○	22	TOTAL SPR										



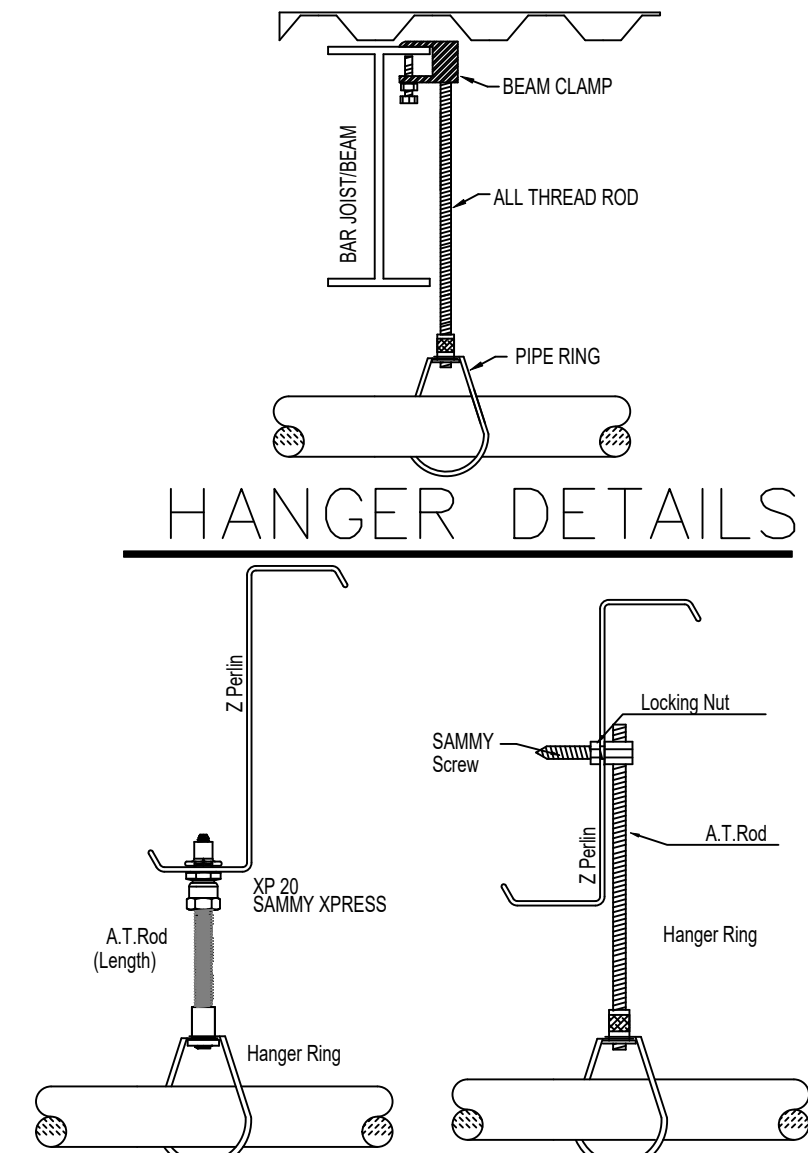
BUILDING SECTION

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



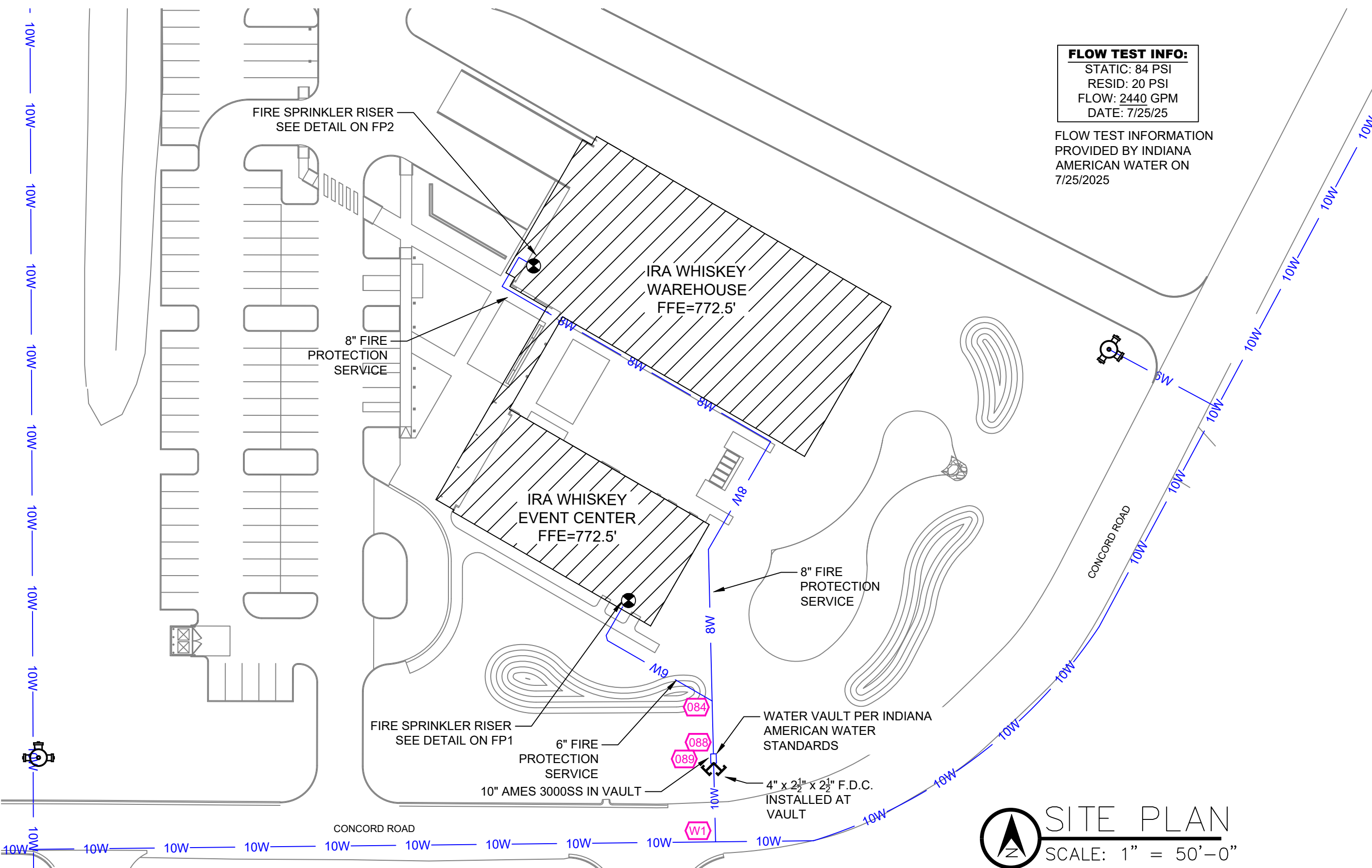
1 RISER DETAIL

SCALE: 1/2" = 1'-0"



NFPA 13 STEEL PIPE HANGER SPACING (EXCEPT LIGHT WALL THRO PIPING)	
NOMINAL SIZE inches	MAX SPACING feet
1"	12'-0"
1-1/4"	12'-0"
1-1/2"	15'-0"
2"	15'-0"
2-1/2"	15'-0"
3"	15'-0"
4" & LARGER	15'-0"

- ### GENERAL NOTES
- INTERNATIONAL BUILDING CODE (2012) & INDIANA BUILDING CODE (2014)
 - OCCUPANCY TYPE S-1 (WAREHOUSE) & A-2 (EVENT CENTER)
 - TYPE OF CONSTRUCTION V-B
 - SPRINKLERED AREAS (APPROXIMATE - SEE ARCHITECTURAL PLANS FOR ACTUAL)
WAREHOUSE = 16,012 S.F.
EVENT CENTER = 7,007 S.F.
TOTAL = 23,019 S.F.
 - INSTALLATION STANDARDS:
 - SPRINKLER SYSTEM DESIGNED AND INSTALLED PER NFPA-13 & 20 (2010)
 - A VARIANCE WAS FILED FOR THIS PROJECT FOR THE WAREHOUSE WHICH ALLOWS THE USE OF THE 2024 IBC AS AN S-1 OCCUPANCY.
 - THE USE OF THE 2024 IBC ALLOWS FOR THE USE OF NFPA 13 (2022) AND NFPA 30 (2024) WHICH HAS SPECIFIC DESIGN REQUIREMENTS FOR THE STORAGES AREAS ON THIS PROJECT AS LISTED BELOW UNDER THE SPECIAL DESIGN CRITERIA
 - SPRINKLER PIPE TYPES:
 - WET:
 - 1" BRANCH LINES TO BE BLK SCHEDULE 40 PIPING WITH THREADED FITTINGS
 - 1 1/2" THROUGH 2" MAIN & BRANCH LINES TO BE BLK SCHEDULE 10 PIPING WITH GROOVED FITTINGS
 - DRY:
 - 1" BRANCH LINES TO BE THREADED BLK SCHEDULE 40 WITH THREADED FITTINGS
 - 1 1/2" THROUGH 2" MAIN & BRANCH LINES TO BE GROOVED BLK SCHEDULE 40 WITH GROOVED FITTINGS
 - DESIGN CRITERIA:
 - LIGHT HAZARD AREAS:
 - DESIGNED TO DELIVER 0.10 GPM/S.F. OVER THE MOST DEMANDING 1500 S.F.
 - ORDINARY HAZARD GROUP 1 AREAS:
 - DESIGNED TO DELIVER 0.15 GPM/S.F. OVER THE MOST DEMANDING 1500 S.F.
 - ORDINARY HAZARD GROUP 2 AREAS:
 - DESIGNED TO DELIVER 0.20 GPM/S.F. OVER THE MOST DEMANDING 1500 S.F.
 - SPECIAL HAZARD AREAS - DISTILLED SPIRITS STORAGE:
 - DESIGNED TO DELIVER 0.60 GPM/S.F. OVER THE MOST DEMANDING 2400 S.F. WITH THE USE OF 16.8K HIGH TEMP STANDARD RESPONSE UPRIGHTS PER NFPA 30 (2024)
 - MAXIMUM CEILING HEIGHT TO BE MAINTAINED AT A HEIGHT UNDER 30'
 - 40 SECOND FLUID DELIVERY TIME IS REQUIRED FOR THIS AREA PER NFPA 30 (2024)
 - REMOTE AREA REDUCTIONS HAVE BEEN TAKEN WHERE APPLICABLE PER NFPA 13 SEC. 11.2.3.2.3
 - NOTES:
 - ALL MATERIAL TO BE NEW AND MEET U.L. STANDARDS
 - HANGERS TO BE INSTALLED IN ACCORDANCE WITH NFPA 13 (2010) - SEE PLAN FOR HANGING REQ.
 - DRY SYSTEM PIPE SLOPE INSTALLATION:
 - SPRINKLER MAINS TO BE 1/4" PER 10 FEET
 - SPRINKLER BRANCH LINES TO BE 1/2" PER 10 FEET
 - DRY SYSTEM CAPACITY:
 - 1158 GAL.
 - SYMBOLS USED ON DRAWINGS:
 - PIPE ELEVATION A.F.F
 - PIPE ELEVATION BELOW B.O.D
 - ROOM HAZARD CLASSIFICATION (ALL ROOMS ARE CONSIDERED LIGHT HAZARD UNLESS NOTED)
 - HYDRAULIC CALCULATION JUNCTION POINT
 - CEILING HEIGHT
 - SCOPE OF WORK:
 - TO INSTALL A WET SYSTEM IN THE EVENT CENTER
 - TO INSTALL A FIRE PUMP AND DRY SYSTEM IN THE NEW WAREHOUSE
 - ALL AREAS OF THE BUILDING TO BE INSTALLED AND COVERED IN ACCORDANCE WITH THE LOCAL AUTHORITY HAVING JURISDICTION AND PER NFPA 13 & 20 (2010) WITH THE EXCEPTION OF THE DISTILLED SPIRITS STORAGE AREAS THAT WILL BE PROTECTED IN ACCORDANCE WITH THE 2024 IBC & 2024 EDITION OF NFPA 30



SITE PLAN

SCALE: 1" = 50'-0"

This Sprinkler System Design is by: Jared Van Gammeren Nicet Level III # 122149

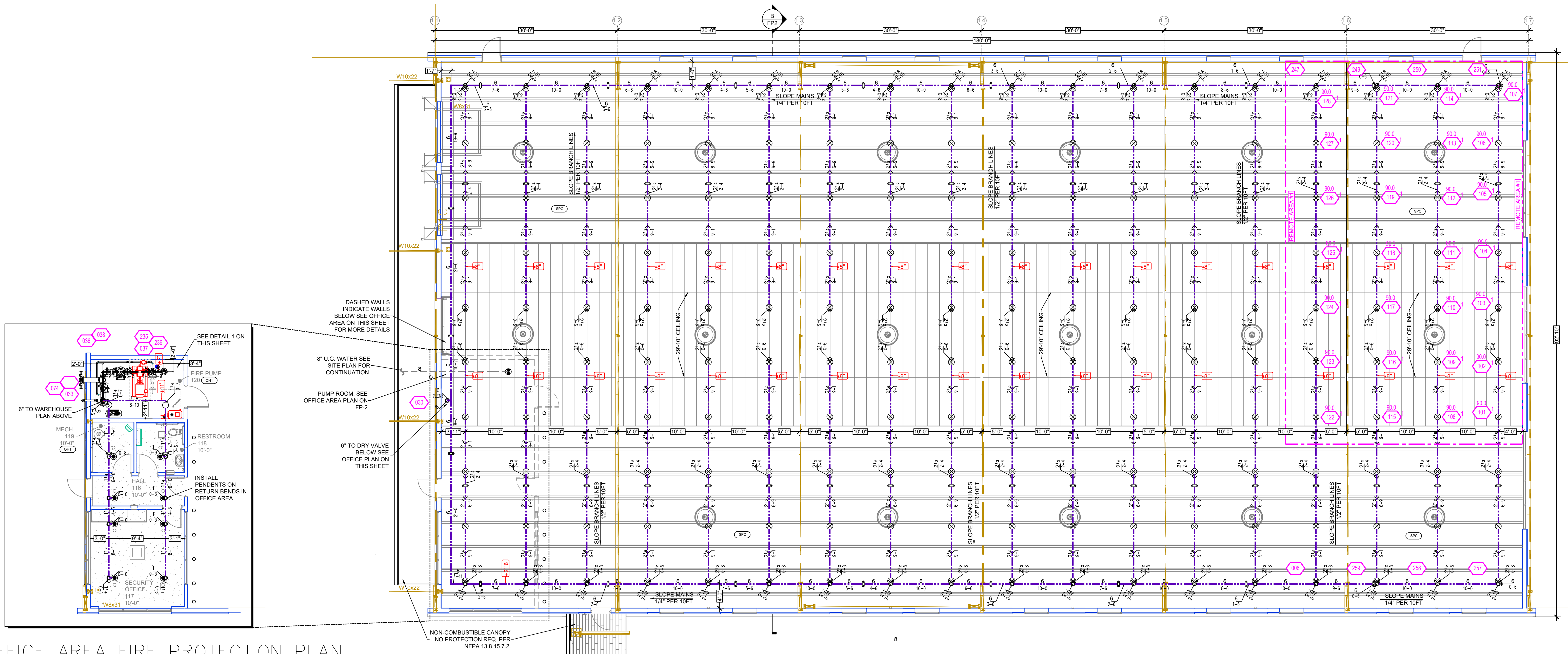
SPRINKLER HEAD LEGEND (ENTIRE JOB)

SYM	CNT	POSITION	FINISH	TEMP	K	NPT	SIN	MFG.	RESPONSE	MODEL#	ESCU/THCON	MAX SPACING
●	180	UPRIGHT	BRASS	285°	16.80	3/4"	TY1151	TYCO	STANDARD	K17-231	NONE	100 S.F.
●	10	PENDENT	WHITE	200°	5.60	1/2"	TY323	TYCO	QUICK	TY-FRB	SEMI RECESSED	225 S.F. (LH) 130 S.F. (OH)
○	22	UPRIGHT	BRASS	200°	5.60	1/2"	TY113	TYCO	QUICK	TY-FRB	NONE	225 S.F. (LH) 130 S.F. (OH)
○	242	TOTAL SPR										

CONTRACTOR:	
ADDRESS:	
REVISION	
DATE	DESCRIPTION
IMPORTANT	
TO PREVENT FREEZING OF WATER IN WET PIPE SPRINKLER PIPING, OWNERS TO PROVIDE SUFFICIENT HEAT THROUGHOUT AREAS WHERE SPRINKLER PIPES ARE INSTALLED, UNLESS AN ANTI-FREEZE SYSTEM.	

IRA WHISKEY EVENT CENTER & WAREHOUSE
488 N. CONCORD ROAD, CRAWFORDSVILLE, INDIANA, 47933
SPRINKLER PLAN

NORTH	
DESIGNER	JVG
SCALE	1/8" = 1'-0"
CHECK BY	
FILE NUMBER	
APPROVAL	STATE & LOCAL
DATE	08-05-25
DRAWING NO.	FP-1



OFFICE AREA FIRE PROTECTION PLAN
SCALE: 1/8" = 1'-0"

WAREHOUSE FIRE PROTECTION PLAN
SCALE: 1/8" = 1'-0"

PIPE LEGEND

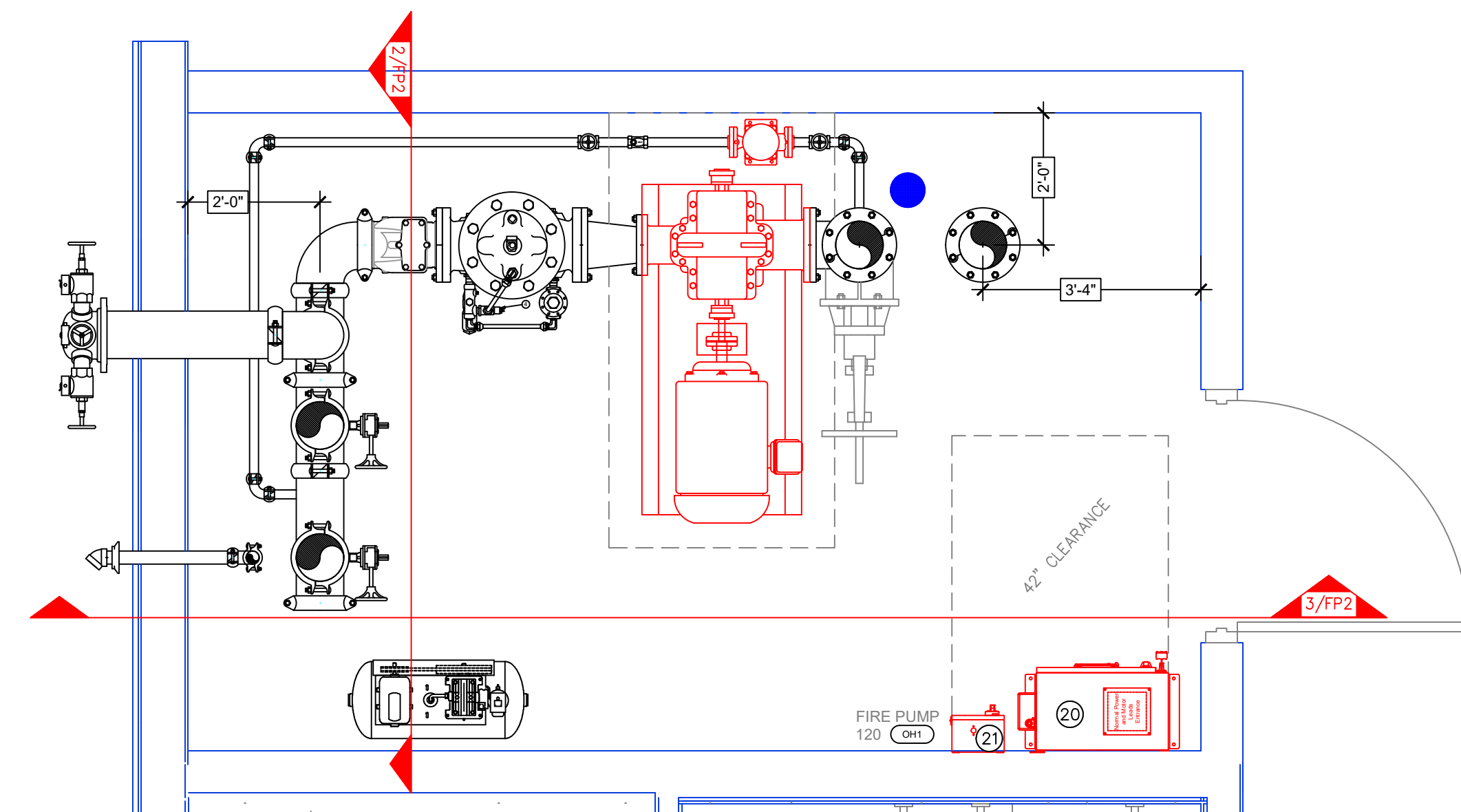
WET BLACK STEEL PIPING
DRY BLACK STEEL PIPING

SPRINKLER HEAD LEGEND (WAREHOUSE)

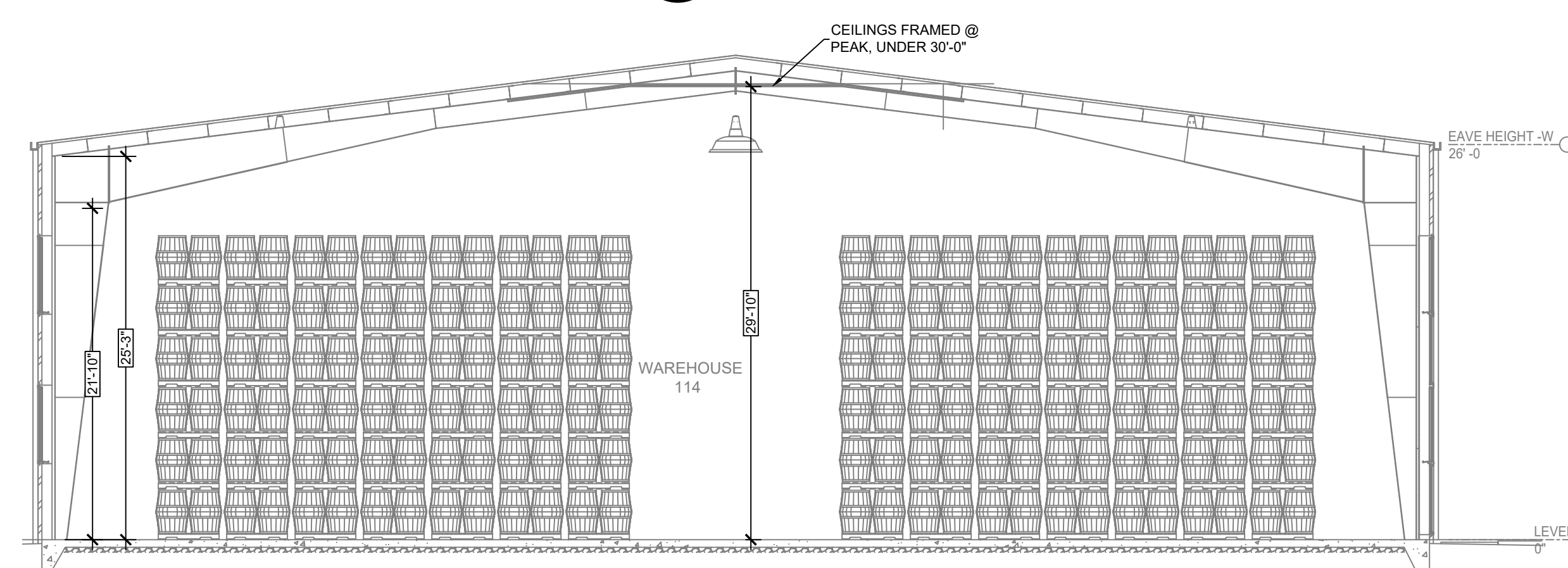
SYM	CNT	POSITION	FINISH	TEMP	K	NPT	SIN	MFG.	RESPONSE	MODEL#	ESCUTCHEON	MAX SPACING
180	UPRIGHT	BRASS	280°	16.80	3/4"	TY7151	TYCO	STANDARD	K17-231	NONE	100 S.F.	
8	PENDENT	WHITE	200°	5.60	1/2"	TY323	TYCO	QUICK	TY-FRB	SEMI RECESSED	225 S.F. (LH) 130 S.F. (CH)	
2	UPRIGHT	BRASS	200°	5.60	1/2"	TY313	TYCO	QUICK	TY-FRB	NONE	225 S.F. (LH) 130 S.F. (CH)	
190	TOTAL SPK.											

RISER LEGEND

1. WATER UNDERGROUND SERVICE (BY OTHERS)
2. 1" WATER UNDERGROUND SERVICE (BY OTHERS)
3. 1" WATER UNDERGROUND SERVICE (BY OTHERS)
4. 1" WATER UNDERGROUND SERVICE (BY OTHERS)
5. 1" WATER UNDERGROUND SERVICE (BY OTHERS)
6. 1" WATER UNDERGROUND SERVICE (BY OTHERS)
7. 1" WATER UNDERGROUND SERVICE (BY OTHERS)
8. 1" WATER UNDERGROUND SERVICE (BY OTHERS)
9. 1" WATER UNDERGROUND SERVICE (BY OTHERS)
10. 1" WATER UNDERGROUND SERVICE (BY OTHERS)
11. 1" WATER UNDERGROUND SERVICE (BY OTHERS)
12. 1" WATER UNDERGROUND SERVICE (BY OTHERS)
13. 1" WATER UNDERGROUND SERVICE (BY OTHERS)
14. 1" WATER UNDERGROUND SERVICE (BY OTHERS)
15. 1" WATER UNDERGROUND SERVICE (BY OTHERS)
16. 1" WATER UNDERGROUND SERVICE (BY OTHERS)
17. 1" WATER UNDERGROUND SERVICE (BY OTHERS)
18. 1" WATER UNDERGROUND SERVICE (BY OTHERS)
19. 1" WATER UNDERGROUND SERVICE (BY OTHERS)
20. 1" WATER UNDERGROUND SERVICE (BY OTHERS)
21. 1" WATER UNDERGROUND SERVICE (BY OTHERS)
22. 1" WATER UNDERGROUND SERVICE (BY OTHERS)
23. 1" WATER UNDERGROUND SERVICE (BY OTHERS)
24. 1" WATER UNDERGROUND SERVICE (BY OTHERS)
25. 1" WATER UNDERGROUND SERVICE (BY OTHERS)
26. 1" WATER UNDERGROUND SERVICE (BY OTHERS)



1 RISER DETAIL
SCALE: 1/2" = 1'-0"



A BUILDING SECTION
SCALE: 1/8" = 1'-0"

SPRINKLER HEAD LEGEND (ENTIRE JOB)

SYM	CNT	POSITION	FINISH	TEMP	K	NPT	SIN	MFG.	RESPONSE	MODEL#	ESCUTCHEON	MAX SPACING
180	UPRIGHT	BRASS	280°	16.80	3/4"	TY7151	TYCO	STANDARD	K17-231	NONE	100 S.F.	
40	PENDENT	WHITE	200°	5.60	1/2"	TY323	TYCO	QUICK	TY-FRB	SEMI RECESSED	225 S.F. (LH) 130 S.F. (CH)	
2	UPRIGHT	BRASS	200°	5.60	1/2"	TY313	TYCO	QUICK	TY-FRB	NONE	225 S.F. (LH) 130 S.F. (CH)	
242	TOTAL SPK.											

CONTRACTOR:	
ADDRESS:	
REVISION	
DATE	DESCRIPTION
BY	
IMPORTANT	
TO PREVENT FREEZING OF WATER IN WET PIPE SPRINKLER PIPING, OWNERS TO PROVIDE SUFFICIENT HEAT THROUGHOUT AREAS WHERE SPRINKLER PIPES ARE INSTALLED, UNLESS AN ANTI-FREEZE SYSTEM.	

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488 N. CONCORD ROAD, CRAWFORDSVILLE, INDIANA, 47933
SPRINKLER PLAN

NORTH	
DESIGNER	JVG
SCALE	1/8" = 1'-0"
CHECK BY	
FILE NUMBER	
APPROVAL	STATE & LOCAL
DATE	08-05-25
DRAWING NO.	FP-2