

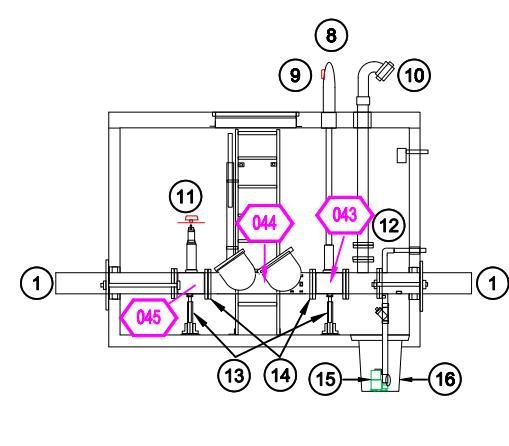
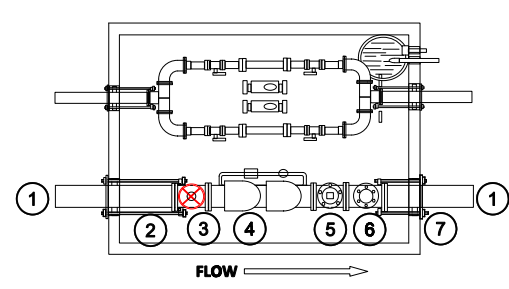
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SCALE: $\frac{1}{8}" = 1'-0"$

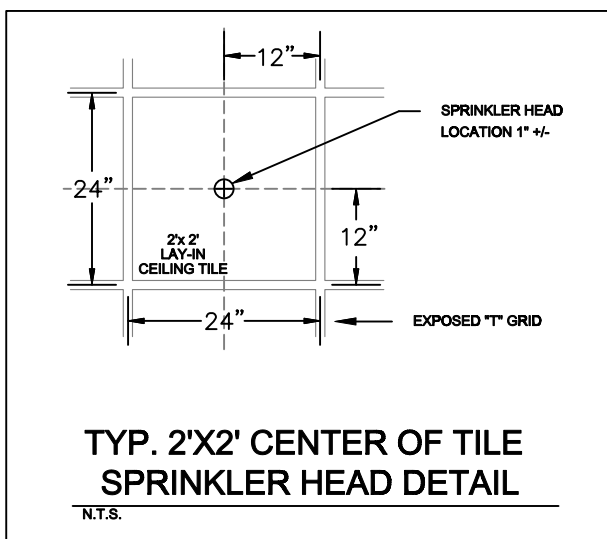
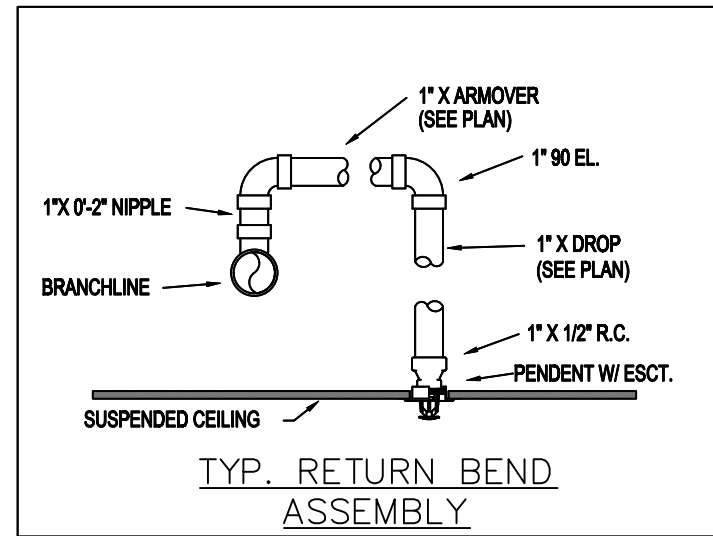
NFPA 13 STEEL PIPE HANGER SPACING (EXCEPT LIGHT WALL THRU PIPING)	
NOMINAL SIZE inches	MAX SPACING feet
1"	12'-0"
1-1/4"	12'-0"
1-1/2"	15'-0"
2"	15'-0"
2-1/2"	15'-0"
3"	15'-0"
4" & LARGER	15'-0"

The diagrams illustrate three methods for attaching a hanger rod to a beam:

- Method 1 (Left):** A beam clamp is attached to a beam. An all-thread rod passes through the clamp and a pipe ring at the bottom.
- Method 2 (Middle):** A 2-inch pin is attached to a beam. An A.T. Rod (Length) passes through the pin and a hanger ring at the bottom.
- Method 3 (Right):** A SAMMY screw is attached to a beam. A 2-inch A.T. Rod passes through the screw and a hanger ring at the bottom.



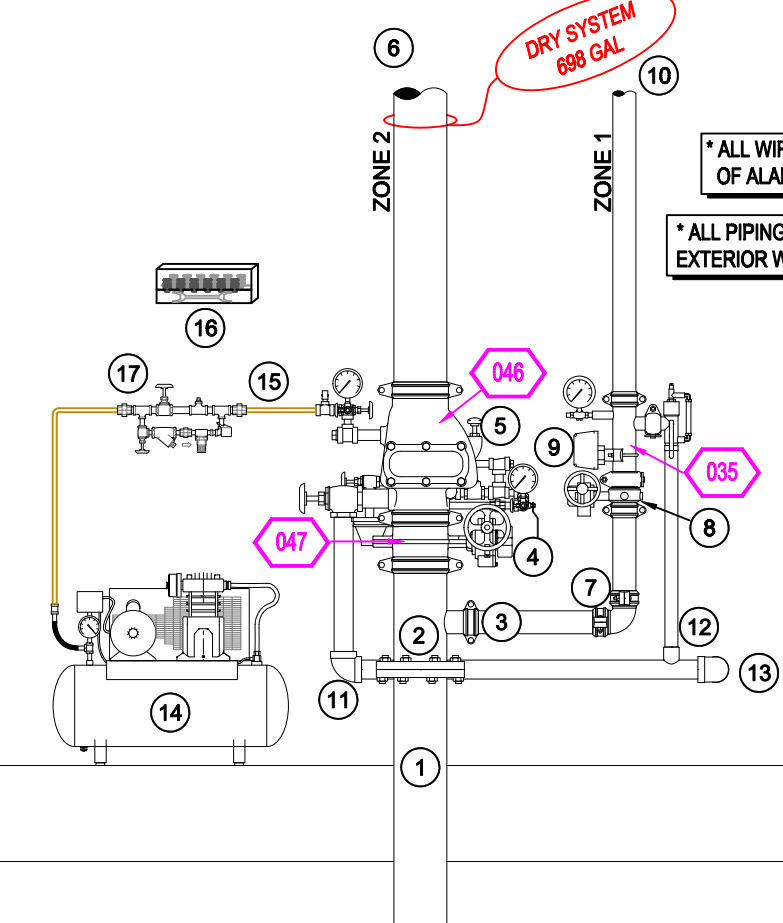
1. 8" DIA. 4" X 1/2" DUCTILE IRON PIPE SPOOL, 30' MIN.
2. 3/8" AL. TREAD, DUG LUG AND NUT ASSEMBLY FOR RESTRANT PLATE
3. 6" DIA. FLANGED OS&Y CHECK VALVE
4. 6" DIA. 3/8" X 3/8" 304 SS ADA DOUBLE CHECK BACKFLOW PREVENTER
5. 6" DIA. PIT TYPE FLANGED GATE VALVE
6. 6" DIA. 4" DIA. DUCTILE IRON REDUCER TEE, FLANGED
7. 3/8" THICK STEEL PIPE POSITION/CUSTOM ANCHOR PLATE FOR PIPE RESTRANT
8. 6" TYPE C INDICATOR POST
9. PIV SUPERVISORY TAMPER SWITCH
10. 4" DIA. 9" X 1/2" GALVANIZED PIPE SPOOL, 30' MIN.
11. 6" X 3/4" STORZ CONNECTION
12. OS&Y SUPERVISORY TAMPER SWITCH
13. 4" DIA. WAFER CHECK VALVE WITH 1/2" BALL SUPPORT
14. STAINLESS STEEL ADJUSTABLE PIPE DIPS
15. 1/2" DIA. 1/2" DIA. DUCTILE IRON ELBOW
16. SUMP PUMP ASSEMBLY WITH LITTLE GIANI 1/3 HP, 115 VOLT, 1 PHASE, DEWATERING SUMP PUMP, SINGLE FLOAT SWITCH, PIV COMBINATION CHECK VALVE AND 1/2" DIA. DUCTILE IRON ELBOW
17. POLYLOK HOSE SUMP PIT WITH FINITE GRATE



GENERAL NOTES

- INTERNATIONAL BUILDING CODE (2012) & INDIANA BUILDING CODE (2014)
1. OCCUPANCY MIXED USE TYPE U-2, B, & U-2
1.2 TYPE OF CONSTRUCTION III
1.3 SPRINKLERED AREAS (APPROXIMATE - SEE ARCHITECTURAL PLANS FOR ACTUAL)
OFFICE = 0.054 S.F. (ZONE 1 WET)
CANOPY AND WAREHOUSE = 15,332 S.F. (ZONE 2 DRY)
TOTAL = 15,386 S.F.
- 1.4. INSTALLATION STANDARDS:
SPRINKLER SYSTEM DESIGNED AND INSTALLED PER NFPA-13 (2010)
2. SPRINKLER PIPE TYPES:
-WET-
2.1 1" BRANCH LINES TO BE BLK SCHEDULE 40 PIPING WITH GROOVED FITTINGS
2.2 1-1/2" BRANCH LINES TO BE BLK SCHEDULE 40 PIPING WITH THREADED FITTINGS
2.3 THROUGH 2-1/2" MAIN & BRANCH LINES TO BE BLK SCHEDULE 10 PIPING WITH GROOVED FITTINGS
-DRY-
2.4 1" THROUGH 1-1/2" BRANCH TO BE BLK SCHEDULE 40 PIPING WITH THREADED FITTINGS
2.5 2" THROUGH 6" MAIN & BRANCH LINES TO BE BLK SCHEDULE 10 PIPING WITH GROOVED FITTINGS
3. DESIGN CRITERIA
3.1 OFFICES, RESTROOMS, CORRIDORS, CONFERENCE ROOMS, AND SIMILAR AREAS DESIGNED TO ORDINARY HAZARD GROUP 1
DESIGNED TO DELIVER 0.10 GPM/S.F. OVER THE MOST DEMANDING 1500 S.F.
3.2 STORAGE ROOMS, HOF, ROOMS, MECHANICAL ROOMS, AND SIMILAR AREAS DESIGNED TO ORDINARY HAZARD GROUP 1
DESIGNED TO DELIVER 0.15 GPM/S.F. OVER THE MOST DEMANDING 1500 S.F.
3.3 WAREHOUSES, CANOPIES, AND SIMILAR AREAS DESIGNED TO ORDINARY HAZARD GROUP 2
DESIGNED TO DELIVER 0.20 GPM/S.F. OVER THE MOST DEMANDING 1500 S.F.
3.4 REMOTE AREA REDUNDANCIES HAVE BEEN TAKEN WHERE APPLICABLE PER NFPA 13 SEC. 11.2.3.2.3
4. NOTES:
4.1 ALL MATERIAL TO BE NEW AND MEET U.L. STANDARDS
4.2 HANGERS TO BE INSTALLED IN ACCORDANCE WITH NFPA 13 (2010) - SEE PLAN FOR HANGING REQUIREMENTS
4.3 DRY SYSTEM PIPE SLOPE INSTALLATION:
SPRINKLER MAINS TO BE 1/4" PER 10 FEET
SPRINKLER BRANCH LINES TO BE 1/2" PER 10 FEET
4.4 DRY SYSTEM CAPACITY
4.4.1 430 GAL.
5. SYMBOLS USED ON DRAWINGS:
-R10- PIPE ELEVATION A.F.F.
-R6- PIPE ELEVATION BELOW B.O.D
-OH- ROOM HAZARD CLASSIFICATION (ALL ROOMS ARE CONSIDERED LIGHT HAZARD UNLESS NOTED)
-P3- HYDRAULIC CALCULATION JUNCTION POINT
-C- CEILING HEIGHT
6. SCOPE OF WORK:
6.1. TO INSTALL 1 WET AND 1 DRY FIRE SPRINKLER SYSTEM TO COVER ALL AREAS OF THE BUILDING IN ACCORDANCE WITH THE LOCAL AUTHORITY HAVING JURISDICTION AND PER NFPA 13 (2010).

SCALE: $\frac{1}{8}" = 1'-0"$



SCALE: $\frac{1}{2}" = 1'-0"$

1. 6" UNDERGROUND WATER SERVICE (BY OTHERS)
2. 1" TRAP (TRACTACOTE) TO BE COMPLETED PRIOR TO THE SPRINKLER SYSTEM HOOKUP. UNDERGROUND PIPES ARE TO BE SUPPLIED TO THE "FPP" (TRACTACOTE) S.C.G.
3. 6" FLANGED-GROOVED ADAPTER
4. 6" X 2-1/2" GROOVE-O-LET
5. 6" GROOVED BUTTERFLY VALVE W/ TAMPER
6. 6" GROOVED 1" X 1/2" DRIP VALVE W/ PRESSURE GAUGE, DRAIN, & ACCELERATOR
7. 2-1/2" GROOVE 90
8. 2-1/2" GROOVED BUTTERFLY VALVE
9. 2-1/2" GROOVED COMMERCIAL RISER MANIFOLD w/ FLOW SWITCH, PRESSURE GAUGE, & TEST AND DRAIN W/ PRV
10. 2" X 1/2" WELD SYSTEM
11. 2" THREADED 90
12. 2" X 1/4" WELD-O-LET
13. 2" DRAIN PIPE TO OUTSIDE
14. "JENNY" AIR COMPRESSOR F12S-7TMS
15. 1/2" COPPER AIR LINE TO DRIVE VALVE
16. SPARE HEAD BOX
17. AIR MAINTENANCE DEVICE

1. ALL MATERIAL AND INSTALLATION SHALL MEET THE REQUIREMENTS OF NFPA #13, THE STATE AND LOCAL AUTHORITY HAVING JURISDICTION.
2. ALL BRANCH LINE PIPING SHALL BE THREADED/ABLE THINWALL, OR SCH. 40 WITH CAST IRON FITTINGS.
3. ALL MAIN PIPING SHALL BE SCH. 10 BLACK STEEL THINWALL WITH GROOVED FITTINGS AND WELDED OUTLETS.
4. ALL PIPING SHALL BE PROVIDED WITH APPROVED HANGERS CONFORMING TO STANDARDS OUTLINED IN NFPA#13.
5. PIPING SHALL BE INSPECTED, AND TESTED IN ACCORDANCE WITH NFPA#13.

Symbols		CONTRACTOR:		
Symbol	Description			
○	Hydraulic Reference Points	ADDRESS:		
⊥	Elev. Below Top of Steel			
[+ m]	Elev. Above Finished Floor	REVISION		
+	Elev. of Top of Steel			
⊕	Ceiling Height	DATE	DESCRIPTION	BY
⊖	Denotes Hanger Location			
o	Rise up or down			

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.

1691 SPRINGBRANCH RD NE NEW SALISBURY, IN 47161

SPRINKLER PLAN



DESIGNER JF

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

CHECK BY JGE

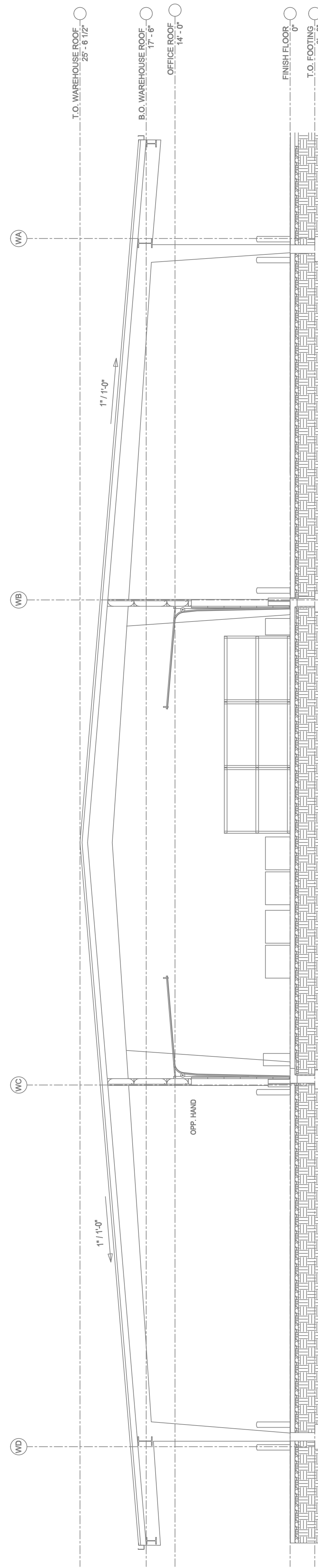
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DATE 10-7-25

DRAWING NO. **FP-1**

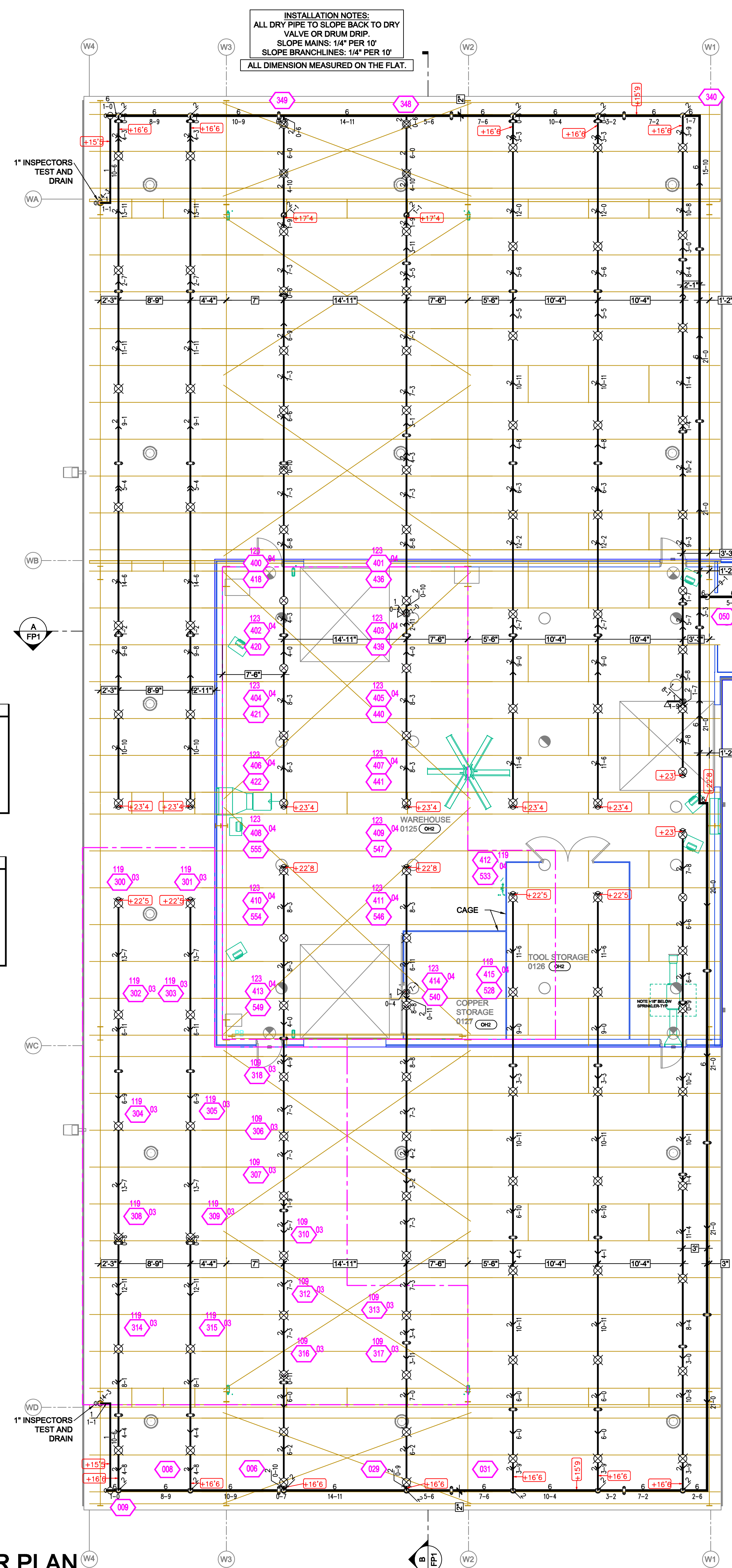


Design Area # 04 HAZARD: OH II
Zone: 2 System Type: DRY
Location: WAREHOUSE
0125
Flowing Outlets: 18
Density: 0.2 Remote Area: 2023
Flow: 733 gpm @ 40.2 psi
Calculation Safety: 5.7 psi
Includes 250 gpm Hose allowance
NOTE: 1500 S.F. NOT DECREASED DUE TO CEILING HEIGHT

Design Area # 03 HAZARD: OH II
Zone: 2 System Type: DRY
Location: CANOPY WEST
Flowing Outlets: 18
Density: 0.2 Remote Area: 2004
Flow: 733 gpm @ 40.2 psi
Calculation Safety: 3.8 psi
Includes 250 gpm Hose allowance
NOTE: 1500 S.F. INCREASED BY 30% TO 1950 S.F. PER NFPA-13 SEC. 11.2.3.2.4 DUE TO DRY SYSTEM

CALC PLACARD

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



INSTALLATION NOTES:
ALL DRY PIPE TO SLOPE BACK TO DRY VALVE OR DRUM DRIIP.
SLOPE MAINS: 1/4" PER 10'
SLOPE BRANCHLINES: 1/4" PER 10'
ALL DIMENSION MEASURED ON THE FLAT.

6" WATER SERVICE (BY OTHERS)

FIRE SPRINKLER RISER
SEE DETAIL 1 ON FP1

NOTE: CONNECTOR DESIGNED FOR LIGHT HAZARD PER NFPA 13 SEC. 11.1.2(2) (TYP.)

NOTE: NO COVERAGE REQUIRED IN NON COMBUSTIBLE CONCEALED SPACES PER NFPA 13 SEC. 8.15.1.2.1 (TYP.)

RAMP / LOADING DOCK

PIPE LEGEND
— BLACK STEEL FIRE SPRINKLER PIPING

SPRINKLER HEAD LEGEND

SYM	CNT	POSITION	FINISH	TEMP	K	NPT	SIN	MFG.	MODEL#	ESCUTCHEON	MAX SPACING
	57	PENDENT	CHROME	200	5.00	1/2"	TY323	TYCO	TY-FRB	SEMI-RECESS	LH: 225 SF, OH: 130 SF
	2	UPRIGHT	BRASS	200	5.00	1/2"	TY313	TYCO	TY-FRB	NONE	LH: 225 SF, OH: 130 SF
	33	UPRIGHT	BRASS	200	5.00	1/2"	TY313	TYCO	TY-FRB	NONE	LH: 225 SF, OH: 130 SF
	8	UPRIGHT	BRASS	200	5.00	3/4"	TY4131	TYCO	TY-FRB	NONE	OH: 130 SF
	3	SIDEWALL	BRASS	200	11.20	3/4"	TY352	TYCO	BL05920	NONE	OH: 130 SF
	4	UPRIGHT	BRASS	200	5.00	3/4"	TY4131	TYCO	TY-FRB	NONE	OH: 130 SF
	108	UPRIGHT	BRASS	200	5.00	3/4"	TY4131	TYCO	TY-FRB	NONE	OH: 130 SF
215 TOTAL SPRK.											