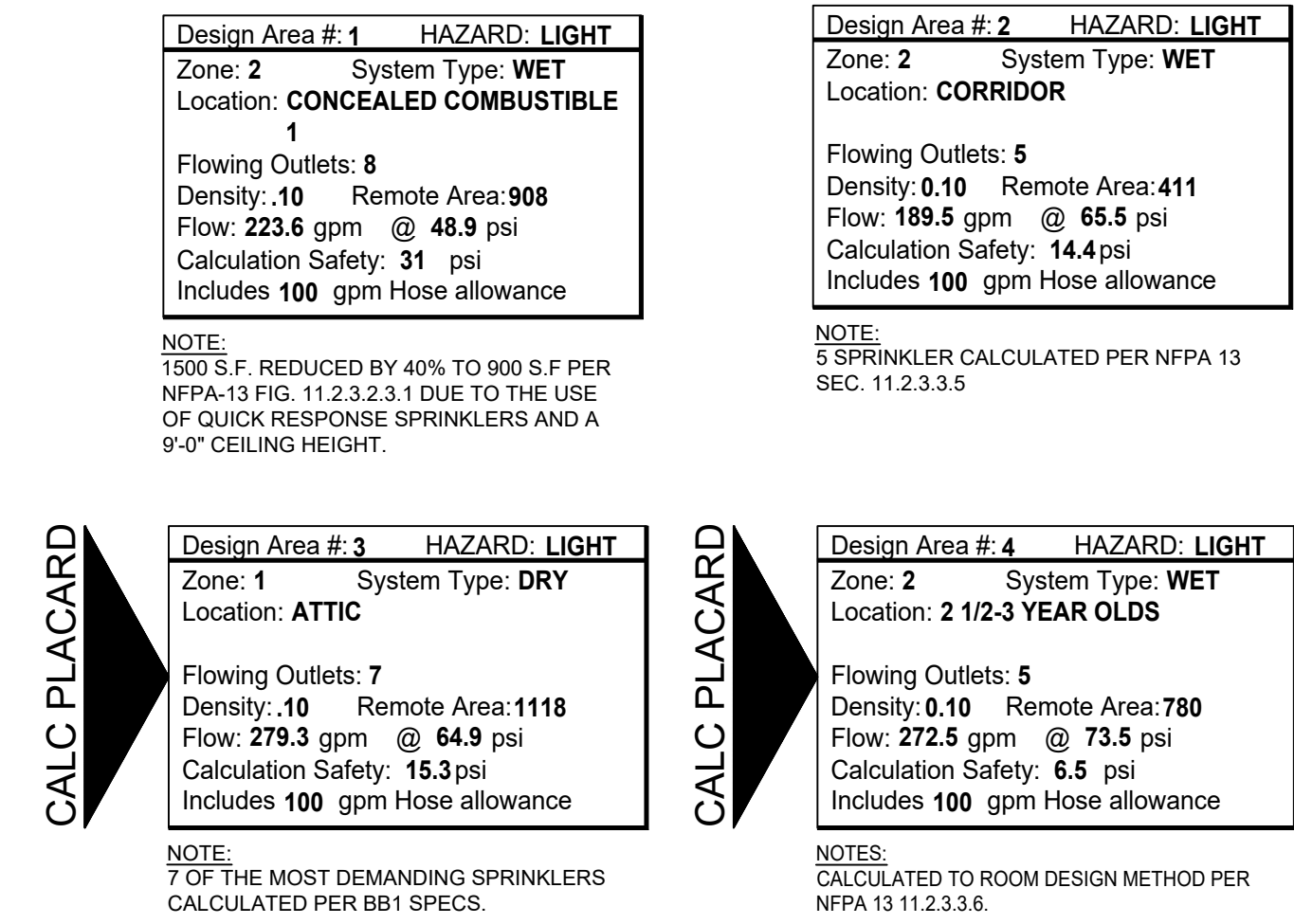
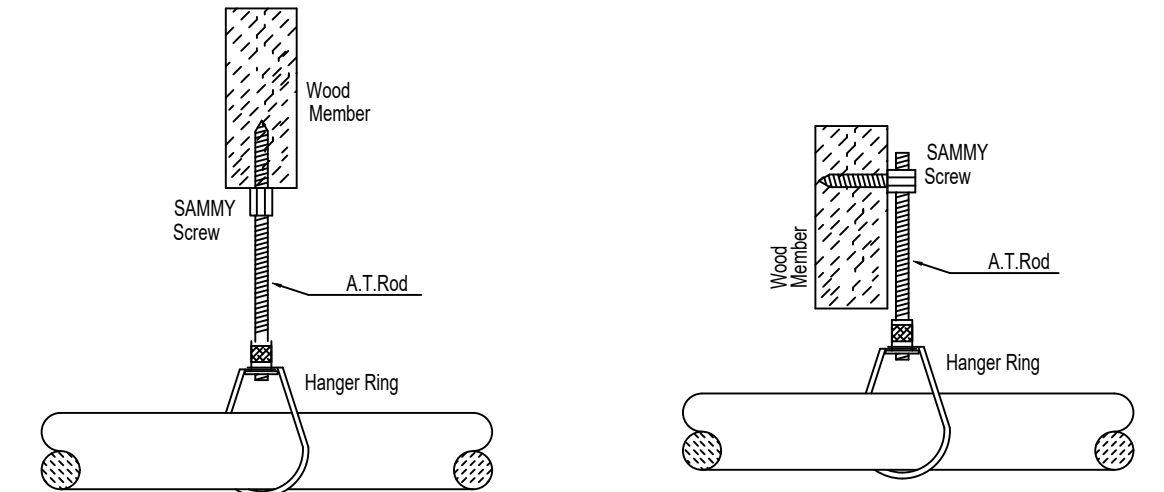




NFPA 13 STEEL PIPE HANGER SPACING (EXCEPT LIGHT WALL THIRD PIPING)	
NOMINAL SIZE Inches	MAX SPACING feet
1"	12'-0"
1-1/4"	12'-0"
1-1/2"	15'-0"
2"	15'-0"
2-1/2"	15'-0"
3"	15'-0"
4" & LARGER	15'-0"



INDIANA BUILDING CODE (2014)

1. OCCUPANCY **EDUCATIONAL, TYPE 5, DAY CARE FACILITY**
2. TYPE OF CONSTRUCTION **A-B (UNPROTECTED, COMBUSTIBLE CONSTRUCTION)**
3. SPRINKLERED AREAS (APPROXIMATE - SEE ARCHITECTURAL PLANS FOR ACTUAL)
1ST FLOOR = 11,910 S.F.
ATTIC = 12,190 S.F.
TOTAL = 24,171 S.F.

14. INSTALLATION STANDARDS:
SPRINKLER SYSTEM DESIGNED AND INSTALLED PER **NFPA-13 (2010)**

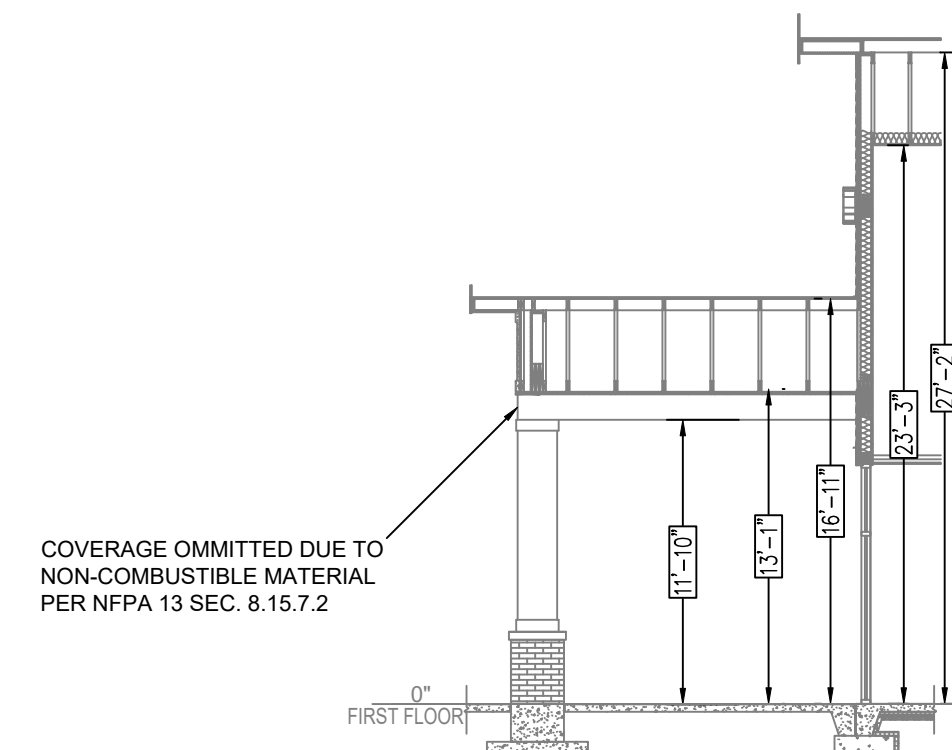
2. SPRINKLER PIPE TYPES:
WET:
2-1. 1" BRANCH LINES TO BE BLK **LIGHTWALL** PIPING WITH GROOVED FITTINGS
2-2. 1 1/2" BRANCH LINES TO BE BLK **LIGHTWALL** PIPING WITH GROOVED FITTINGS
2-3. 2" THROUGH 6" MAIN & BRANCH LINES TO BE BLK **LIGHTWALL** PIPING WITH GROOVED FITTINGS
2-4. MAINS & BRANCH LINES TO BE ROLL-GROOVED BLK **LIGHTWALL** PIPING
DRY:
2-1. 1" BRANCH LINES TO BE BLK **LIGHTWALL** PIPING WITH GROOVED FITTINGS
2-2. 1 1/2" THROUGH 2" MAIN & BRANCH LINES TO BE BLK **LIGHTWALL** PIPING WITH GROOVED FITTINGS
2-3. MAINS & BRANCH LINES TO BE ROLL-GROOVED BLK **LIGHTWALL** PIPING

3. DESIGN CRITERIA
3.1. LIGHT HAZARD AREAS: OFFICES, RESTROOMS, PLAYROOMS, CORRIDORS
DESIGNED TO DELIVER 0.10 GPM/S.F. OVER THE MOST DEMANDING 1500 S.F.
3.2. ORDINARY HAZARD GROUP 1 AREAS: STORAGE, ELECTRONICS, RISER ROOMS, KITCHENS
DESIGNED TO DELIVER 0.15 GPM/S.F. OVER THE MOST DEMANDING 1500 S.F.
3.3. REMOTE AREA REDUCTIONS HAVE BEEN TAKEN WHERE APPLICABLE PER **NFPA 13 SEC. 11.2.2.3.3**

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 REQ.**
4.3. DRY SYSTEM PIPE SLOPE INSTALLATION
SPRINKLER MAINS TO BE 3/4" PER 10 FEET
SPRINKLER BRANCH LINES TO BE 3/4" PER 10 FEET
4.4. DRY SYSTEM CAPACITY
4.4.1. 48.7 GAL

5. SYMBOLS USED ON DRAWINGS:
PIPE ELEVATION A.F.F
+610
Cmft
ROOM HAZARD CLASSIFICATION (ALL ROOMS ARE CONSIDERED LIGHT HAZARD UNLESS NOTED)
HYDRAULIC CALCULATION JUNCTION POINT
CEILING HEIGHT
0'-0"

6. SCOPE OF WORK:
6.1. TO INSTALL A COMPLETE WET SYSTEM TO COVER ALL CONDITIONED AREAS, AND A COMPLETE DRY SYSTEM TO COVER THE ATTIC. ALL AREAS OF THE BUILDING TO BE COVERED AND COVERED IN ACCORDANCE WITH THE LOCAL AUTHORITY HAVING JURISDICTION AND PER NFPA 13 (2010)



The diagram illustrates a fire alarm system with the following components and callouts:

- 1**: Control Panel
- 2**: Bell
- 3**: Dry System Gal.
- 4**: All Wiring/Interfacing of Alarms by Others
- 5**: All Piping Penetrating the Exterior Wall to be Galvanized
- 6**: 1/2" GROOVED END ADAPTER
- 7**: 6" x 2 1/2" GROOVED CONC. REDUCER
- 8**: 2 1/2" AMES COLT 1200 BACKFLOW GXS BFM
- 9**: 2 1/2" GROOVED TEE
- 10**: 2 1/2" GROOVED DRPV1 DRY VALVE W/ TRM
- 11**: RISER MOUNTED AIR COMPRESSOR
- 12**: COPPER AIR LINE TO DRY VALVE
- 13**: 2 1/2" TO DRY SYSTEM ZONE (2,303 S.F.)
- 14**: 2 1/2" GROOVED BUTTERFLY VALVE
- 15**: 2 1/2" GROOVED COMMERCIAL RISER MANIFOLD
- 16**: 2 1/2" TO WET SYSTEM ZONE (2,188 S.F.)
- 17**: 2 1/2" CHECK VALVE
- 18**: 1 1/4" MAIN DRAIN TO BE PIPED OUTSIDE
- 19**: 2 1/2" GROOVED 90°
- 20**: PIPE STAIN
- 21**: 4" x 2 1/2" GROOVED CONC. REDUCER
- 22**: 4" UNDERGROUND TO FDC (BY OTHERS)
- 23**: HEAD BOX & SPARE HEAD WRENCH

Symbols	
Symbol	Description
	Hydraulic Reference Points
[18 84]	Elev. Below Top of Steel
[8-8]	Elev. Above Finished Floor
ROS 20-0	Elev. of Top of Steel
	Ceiling Height
	Denotes Hanger Location
	Rise up or down

[illegible]

CONTRACTOR: MATTINGLY CONSTRUCTION		
ADDRESS: 10150 LANTERN ROAD, SUITE 250 FISHERS, INDIANA 46037		
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		

NORTH		
DESIGNER	WR	
SCALE	1/8" = 1'-0"	
CHECK BY	JB	
SHEET NUMBER		
APPROVAL	STATE & LOCAL	
DATE	12-01-25	
DRAWING NO.	FP-1	