

CALC PLACARD

Design Area # 01 HAZARD: OH I  
Zone: 1 System Type: WET  
Location: KITCHEN

Flowing Outlets: 9  
Density: 0.15 Remote Area: 1012  
Flow: 429 gpm @ 45 psi  
Calculation Safety: 6.4 psi  
Includes 250 gpm Hose allowance

NOTE:  
1500 S.F. REDUCED BY 39.75% TO 904 S.F.  
PER NFPA-13 FIG. 11.2.2.2.1 DUE TO THE  
USE OF QUICK RESPONSE SPRINKLERS  
AND A 10'-2" CEILING HEIGHT.

NOTE: PIPE DROPS TO PENDENTS TO END 1'  
ABOVE CEILING. FLEX HOSES TO BE USED TO  
CONNECT PENDENT SPRINKLER HEADS TO PIPE.

HEAD CAGES ON FREEZER  
AND COOLER SPRINKLERS

DASHED GREEN LINE  
INDICATES DRAFT  
STOP

FIRE SPRINKLER  
RISER SEE RISER  
DETAIL 1 ON THIS  
SHEET

COVERAGE NOT RECD  
UNDER NONCOMBUSTIBLE  
CANOPY PER NFPA 13 8.15.7.2

RED OUTLINES INDICATE  
ROOF PENETRATIONS

## FIRE SPRINKLER PLAN

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

## 1 RISER DETAIL

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

### RISER LEGEND

- 6" UNDERGROUND WATER SERVICE (BY OTHERS)  
(FLUSHING & TESTING OF THE UNDERGROUND SHALL BE  
COMPLETED PRIOR TO THE SPRINKLER SYSTEM HOOKUP.  
UNDERGROUND PAPERS ARE TO BE SUPPLIED TO THE "FP"  
CONTRACTOR BY THE (G.C.)
- 6" FLANGED/GROOVED ADAPTOR
- 6"x2" GROOVED CONCENTRIC REDUCER
- 3" GROOVED BUTTERFLY VALVE
- 3" GROOVED COMMERCIAL RISER MANIFOLD w/ FLOW SWITCH,  
PRESSURE GAUGE, & TEST AND DRAIN w/ PRV
- 3" TO SYSTEM
- 1-1/2" MAIN DRAIN PIPED TO OUTSIDE
- HEAD BOX AND SPARE HEAD WRENCH

\* ALL WIRING/INTERFACING  
OF ALARMS BY OTHERS

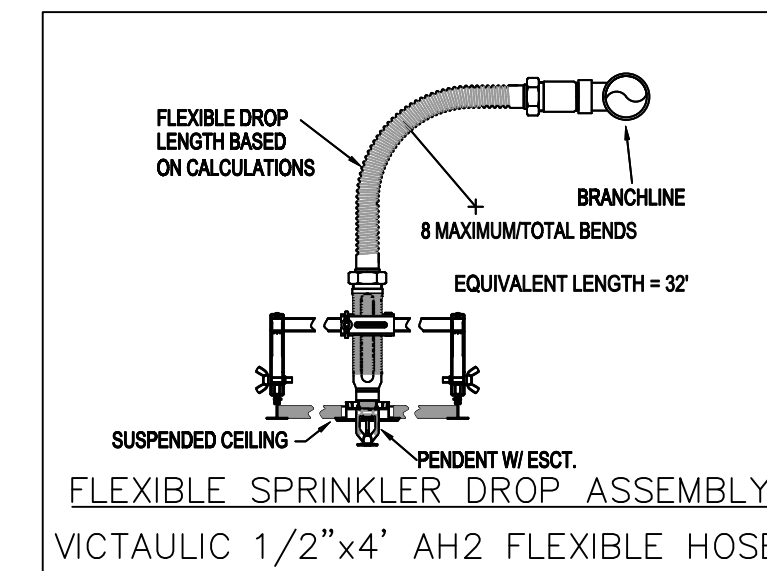
\* ALL PIPING PENETRATING THE  
EXTERIOR WALL TO BE GALVANIZED

## 2 BACKFLOW VAULT DETAIL ( BY OTHERS)

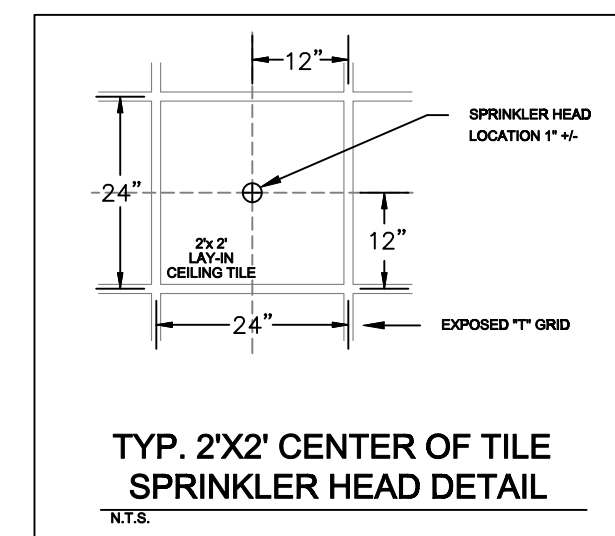
SCALE: 3/8" = 1'-0"

## A BUILDING SECTION

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



## INSTALLATION DETAILS



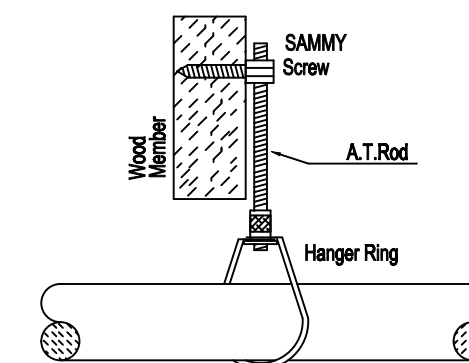
### GENERAL NOTES

- INDIANA BUILDING CODE (2014)
- 1.1. OCCUPANCY/ASSEMBLY TYPE A-2; DINING AND DRINKING  
1.2. TYPE OF CONSTRUCTION V-B (UNPROTECTED COMBUSTIBLE CONSTRUCTION)  
1.3. SPRINKLERED AREAS (APPROXIMATE - SEE ARCHITECTURAL PLANS FOR ACTUAL)  
1ST FLOOR = 5,213 S.F.  
CONCEALED SPACE = 5,213 S.F.  
TOTAL = 10,426 S.F.
14. INSTALLATION STANDARDS:  
SPRINKLER SYSTEM DESIGNED AND INSTALLED PER NFPA-13 (2010)
2. SPRINKLER PIPE TYPE:  
2.1. 1" BRANCH LINES TO BE BLK SCHEDULE 40 PIPING WITH THREADED FITTINGS  
2.2. 1-1/2" THROUGH 3" MAIN & BRANCH LINES TO BE BLK SCHEDULE 10 PIPING WITH GROOVED  
FITTINGS
3. DESIGN CRITERIA  
3.1. LIGHT HAZARD AREAS: RESTROOMS, DINING ROOM, VESTIBULES, OFFICES, PLAY ROOM  
DESIGNED TO DELIVER 0.10 GPM/S.F. OVER THE MOST DEMANDING 1500 S.F.  
3.2. ORDINARY HAZARD GROUP 1 AREAS: KITCHEN, TECH ROOM, RISER ROOM  
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. 11.2.3.2.3
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 REQ.
5. SYMBOLS USED ON DRAWINGS:  
-ELEVATION A.F.F.  
-PIPE ELEVATION BELOW B.O.D.  
OH- ROOM HAZARD CLASSIFICATION (ALL ROOMS ARE CONSIDERED LIGHT HAZARD UNLESS NOTED)  
H- HYDRAULIC CALCULATION JUNCTION POINT  
-CEILING HEIGHT  
-SPRINKLER HEAD CAGE
6. SCOPE OF WORK:  
6.1. TO INSTALL A COMPLETE WET FIRE SPRINKLER SYSTEM TO COVER  
ALL AREAS OF THE BUILDING IN ACCORDANCE WITH THE LOCAL AUTHORITY HAVING JURISDICTION  
AND PER NFPA 13 (2010)

### NFPA 13 STEEL PIPE HANGER SPACING

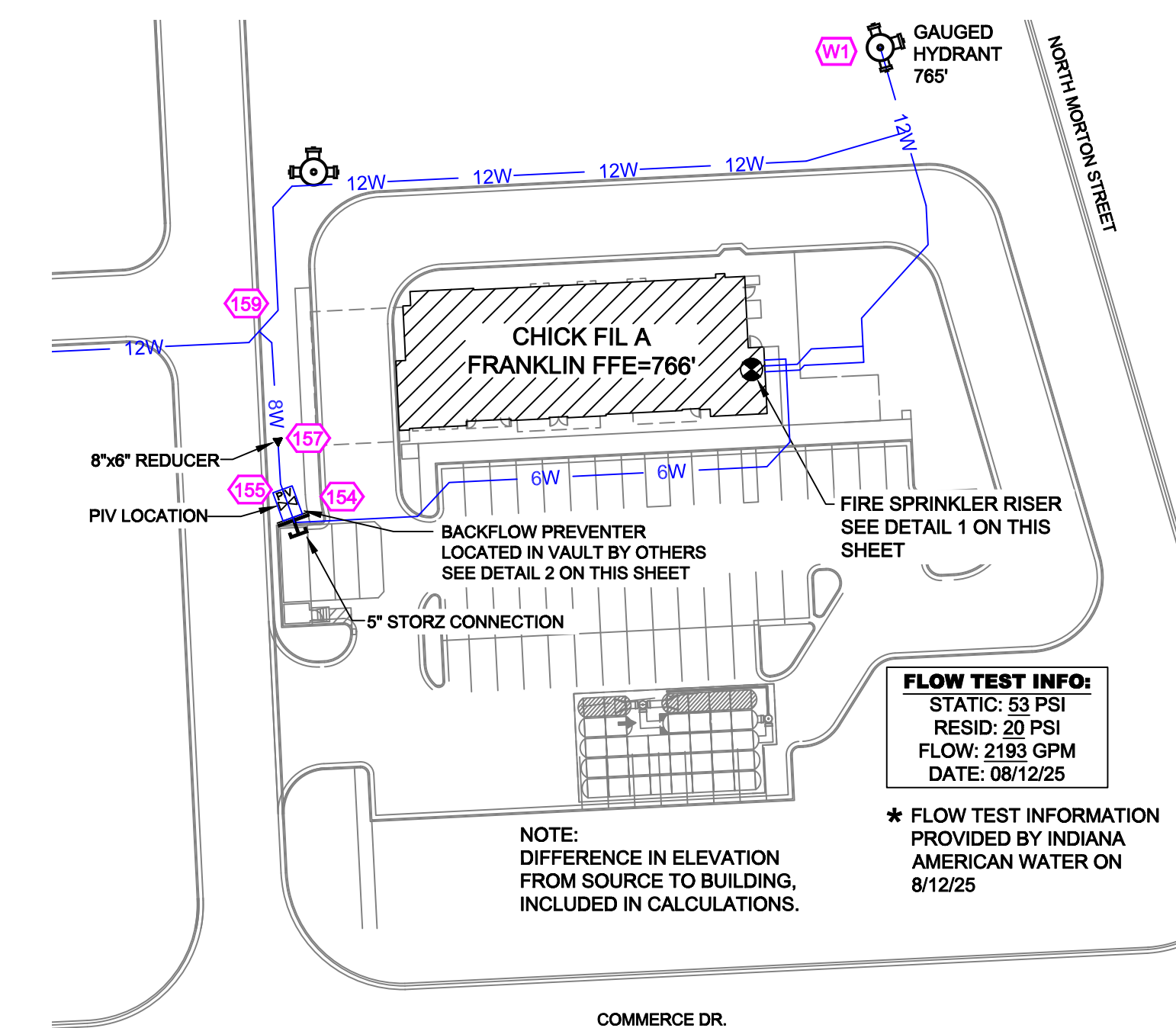
| NOMINAL SIZE<br>INCHES | MAX SPACING<br>FEET |
|------------------------|---------------------|
| 1"                     | 12'-0"              |
| 1-1/4"                 | 12'-0"              |
| 1-1/2"                 | 15'-0"              |
| 2"                     | 15'-0"              |
| 2-1/2"                 | 15'-0"              |
| 3"                     | 15'-0"              |
| 4" & LARGER            | 15'-0"              |

## HANGER DETAILS



## SPRINKLER HEAD LEGEND

| SYM | CNT | POSITION  | FINISH | TEMP | K    | NPT  | SIN   | MFG. | MODEL# | ES/CUT/CHON | MAX SPACING           |
|-----|-----|-----------|--------|------|------|------|-------|------|--------|-------------|-----------------------|
| 28  | 28  | PENDENT   | WHITE  | 200  | 5.60 | 1/2" | TY323 | TYCO | TY-FRB | SEMI-RECESS | LH: 15X15, OH: 130 SF |
| 48  | 48  | UPRIGHT   | BRASS  | 200  | 5.60 | 1/2" | TY313 | TYCO | TY-FRB | NONE        | LH: 130 SF            |
| 25  | 25  | PENDENT   | WHITE  | 200  | 5.60 | 1/2" | TY333 | TYCO | TY-FRB | CONCEALED   | LH: 15X15             |
| 2   | 2   | PENDENT   | WHITE  | 200  | 5.60 | 1"   | TY325 | TYCO | DE-1   | STANDARD    | OH: 130 SF            |
| 8   | 8   | UPRIGHT   | BRASS  | 200  | 5.60 | 1/2" | TY313 | TYCO | TY-FRB | NONE        | LH: 130 SF            |
| 109 |     | TOTAL SPK |        |      |      |      |       |      |        |             |                       |



## SITE PLAN

SCALE: 1" = 50'-0"

CHICK FIL A FRANKLIN  
2490 NORTH MORTON ST. FRANKLIN, IN 46131  
SPRINKLER PLAN

NORTH

DESIGNER JF  
SCALE 1/8" = 1'-0"

CHECK BY JGB  
FILE NUMBER

APPROVAL STATE & LOCAL  
DATE 10-21-25

DRAWING NO. FP-1