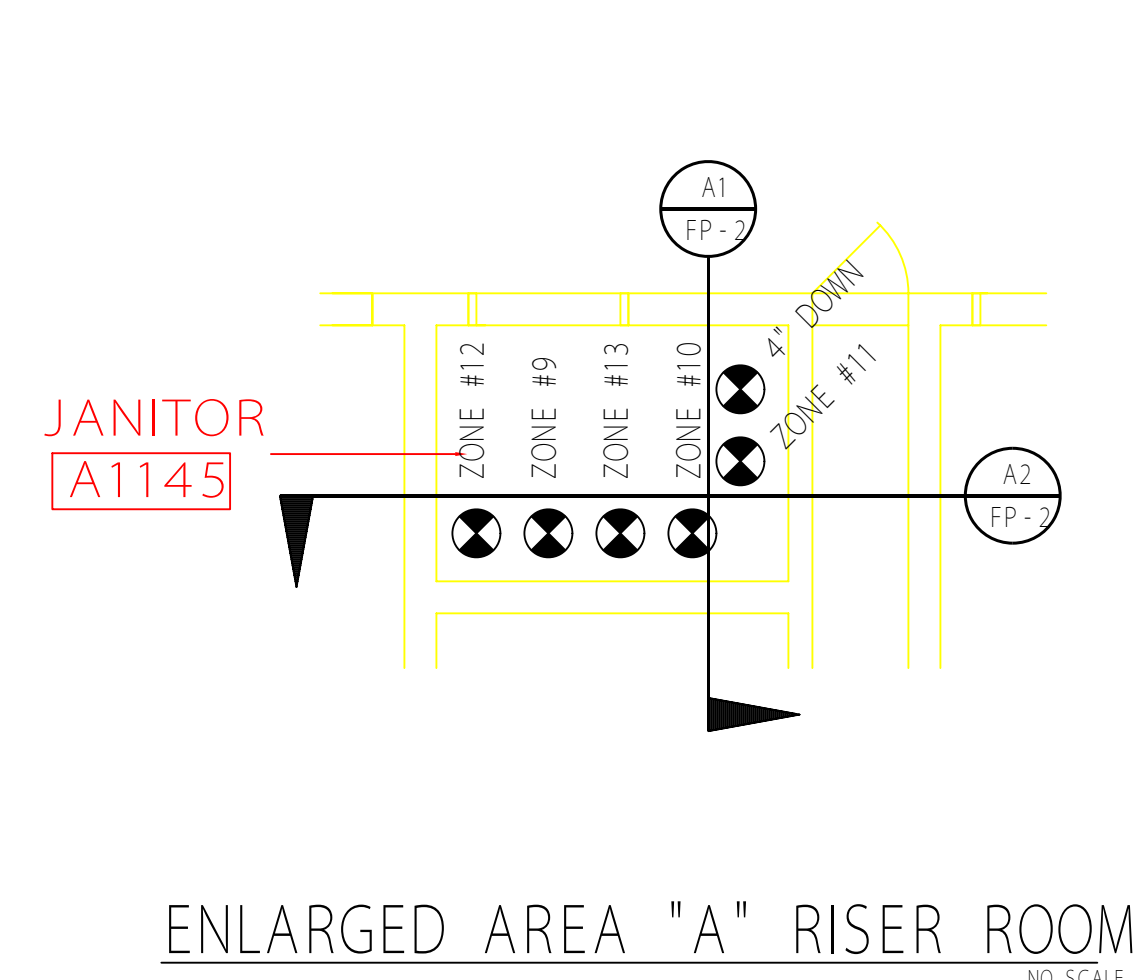
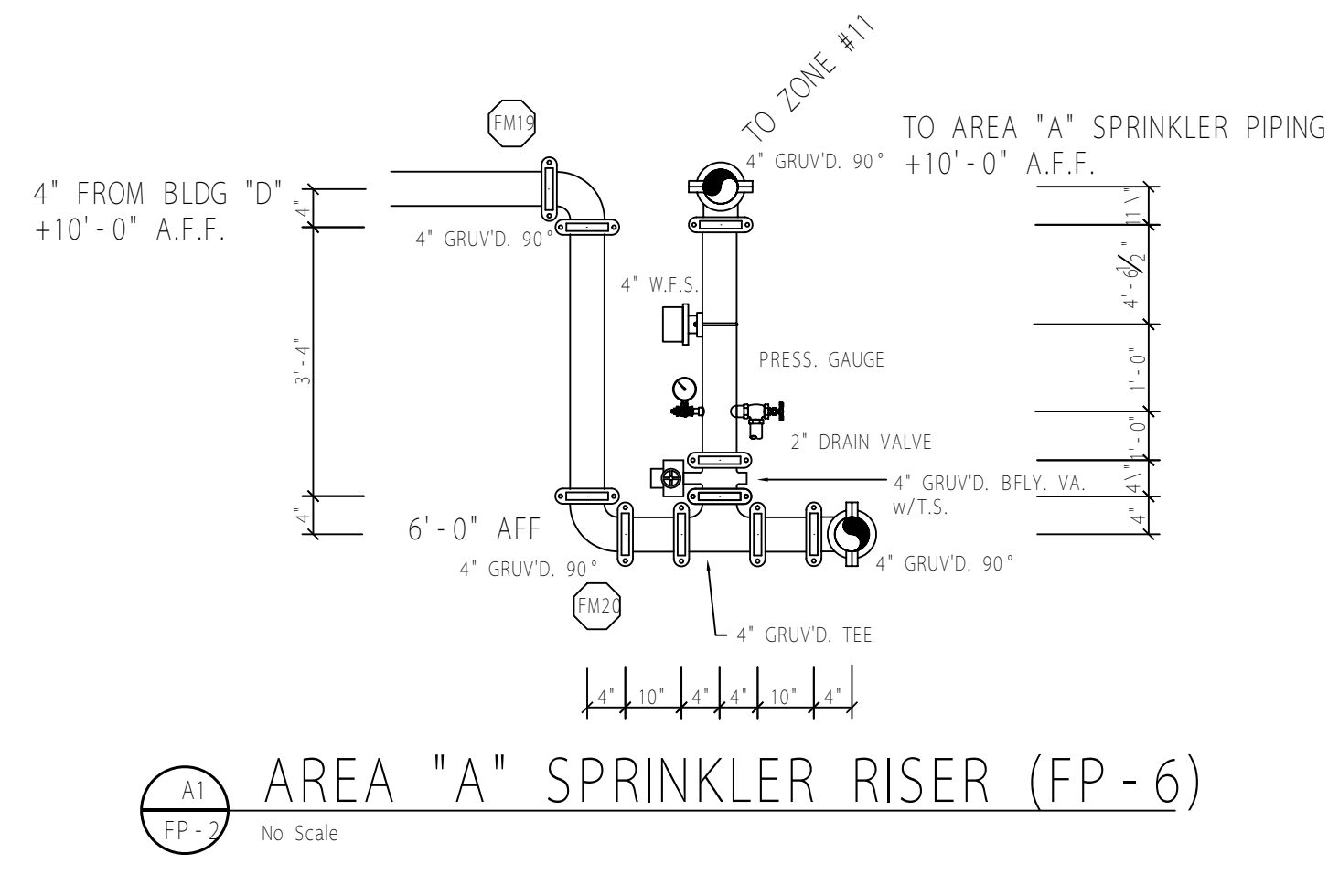


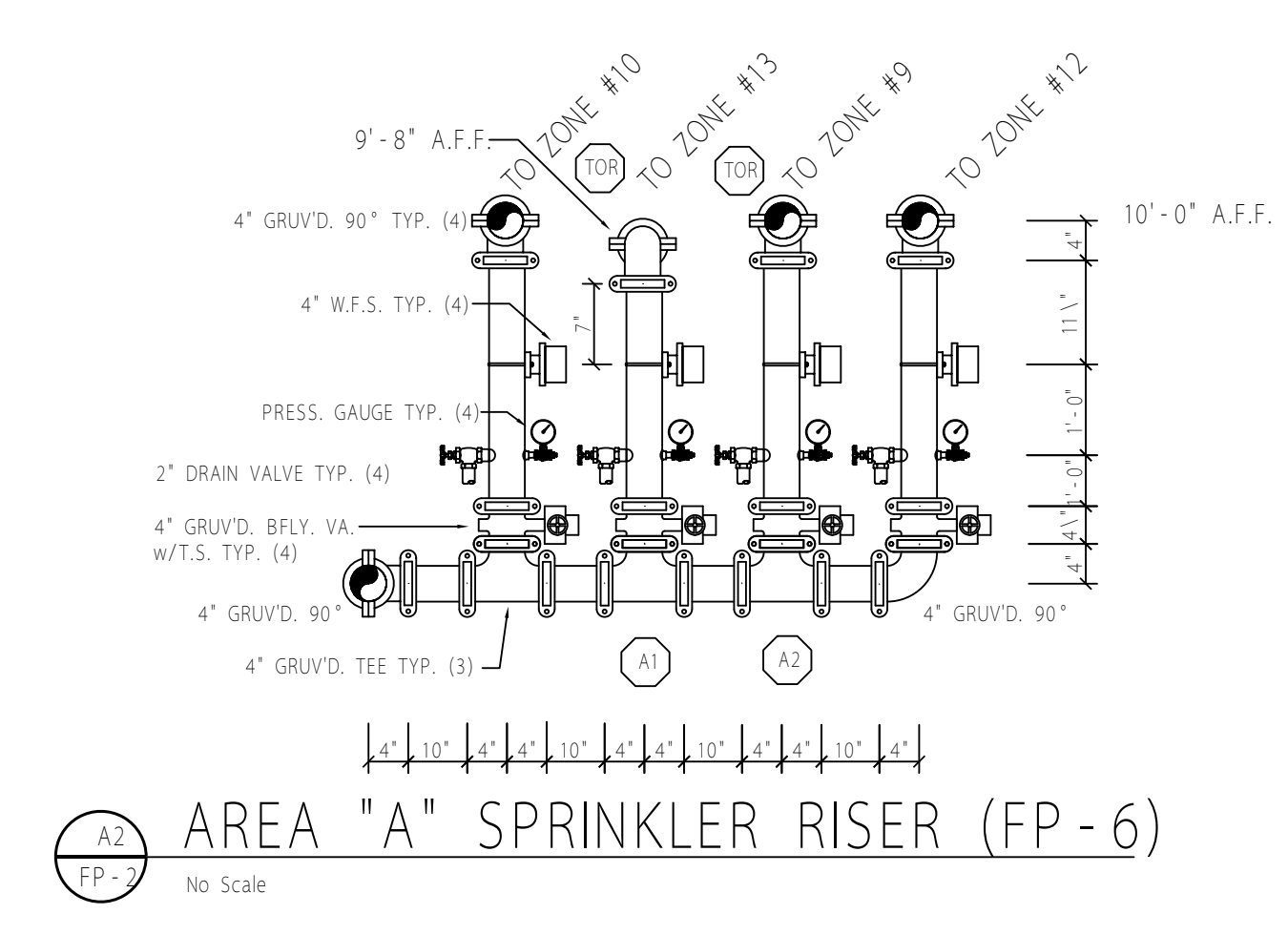
C SECTION @ CELL CHASE  
FP-5  
NO SCALE



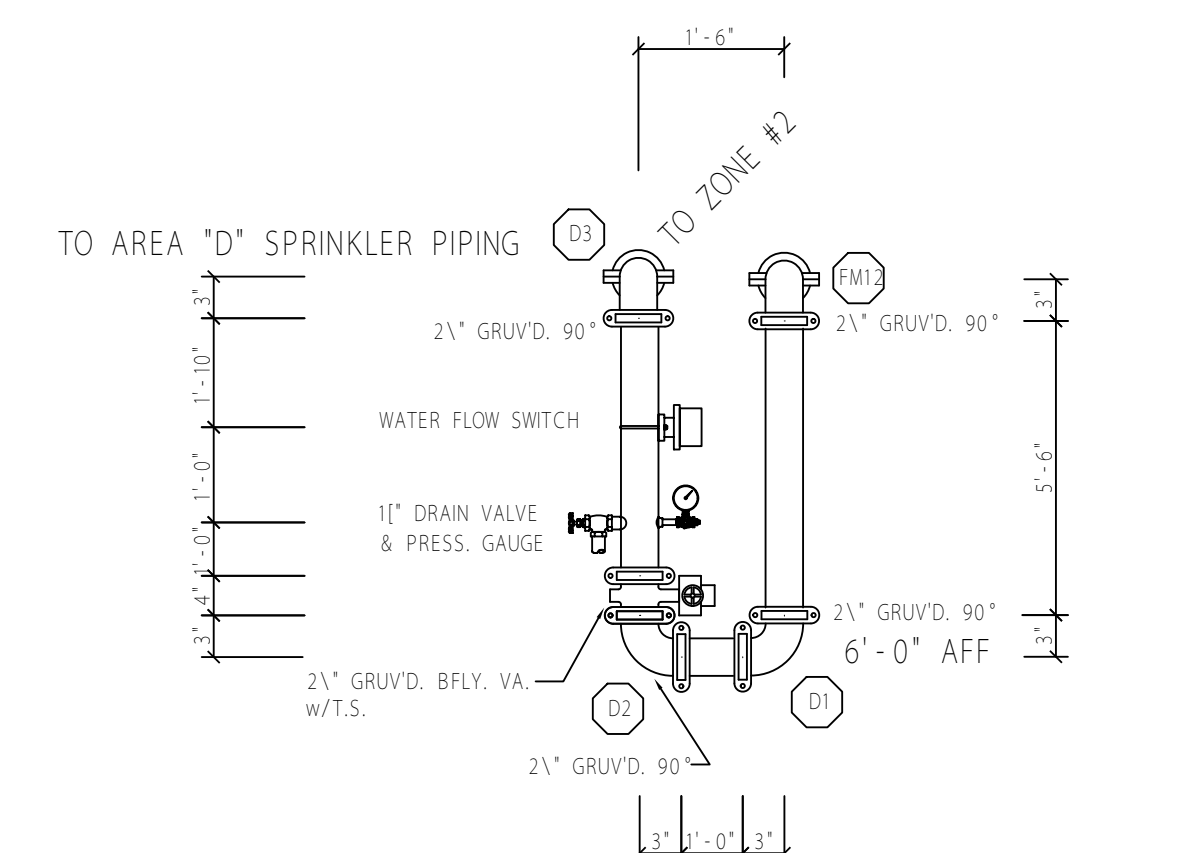
ENLARGED AREA "A" RISER ROOM  
NO SCALE



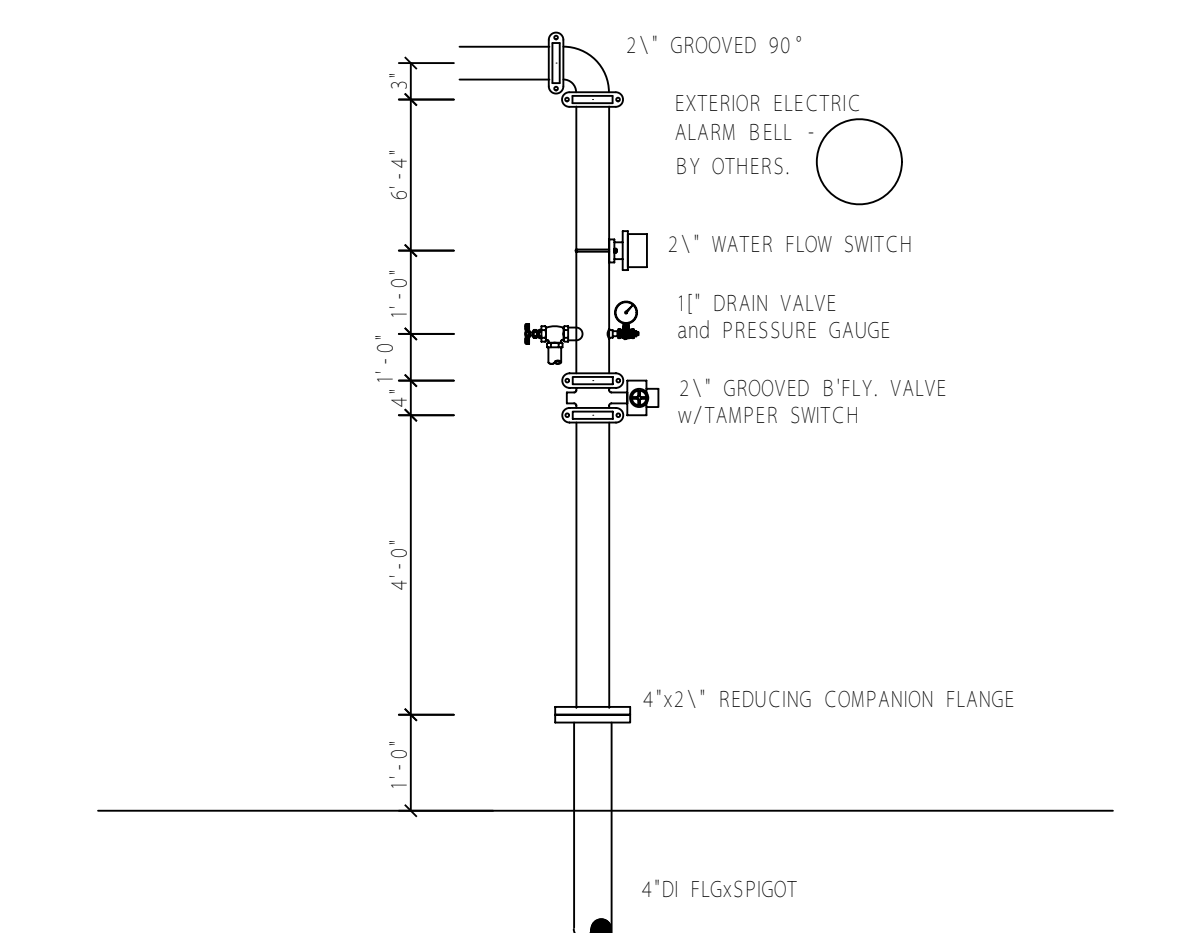
A1 AREA "A" SPRINKLER RISER (FP-6)  
FP-6  
NO SCALE



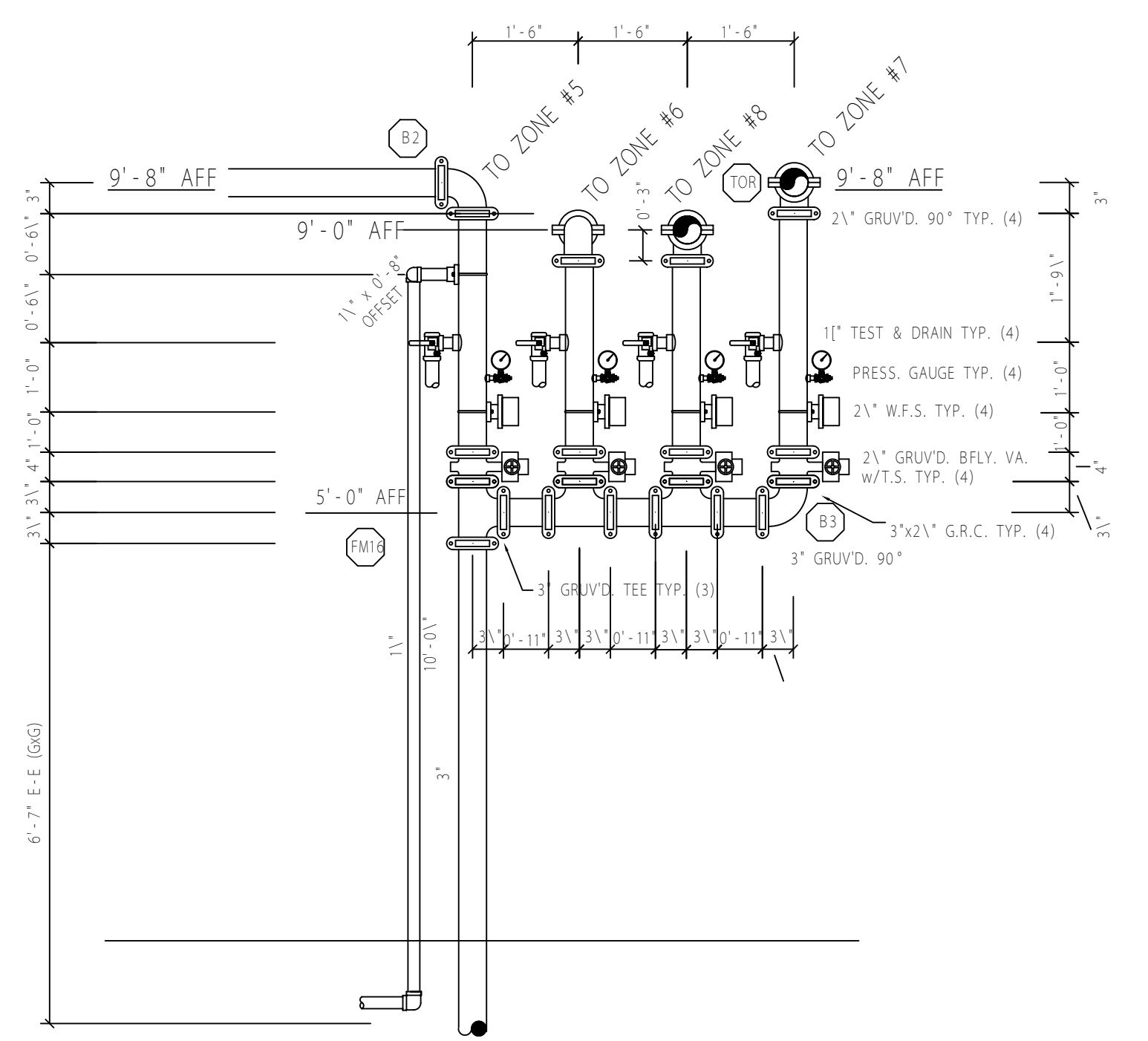
A2 AREA "A" SPRINKLER RISER (FP-6)  
FP-6  
NO SCALE



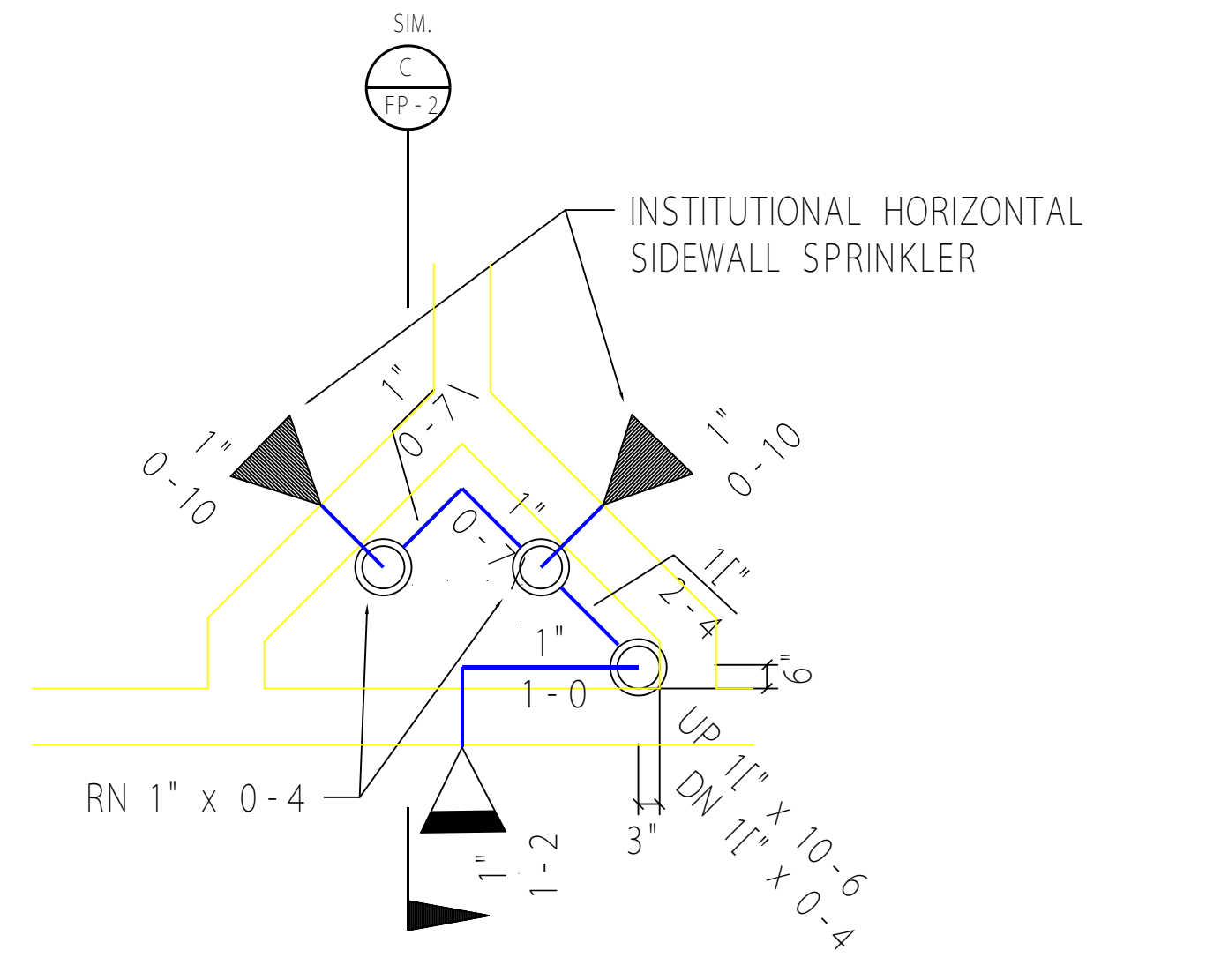
D AREA "D" SPRINKLER RISER (FP-4)  
FP-4  
NO SCALE



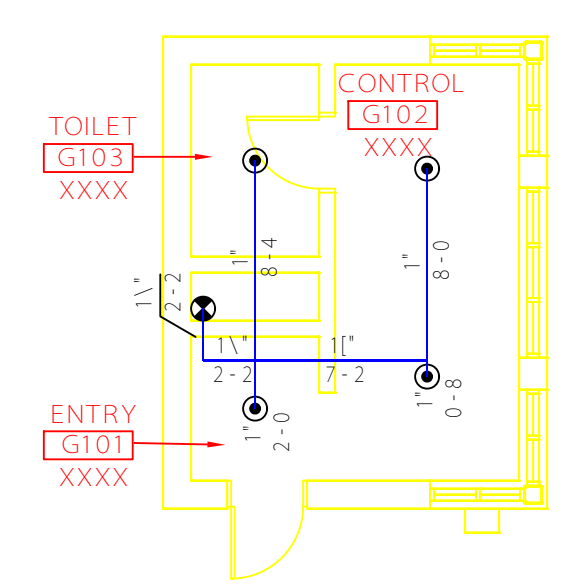
F BLDG. "F" SPRINKLER RISER (FP-2)  
FP-2  
NO SCALE



B AREA "B" SPRINKLER RISER (FP-5)  
FP-5  
NO SCALE



C ENLARGED FIRST FLOOR CELL CHASE DETAIL SIM.  
FP-2  
NO SCALE

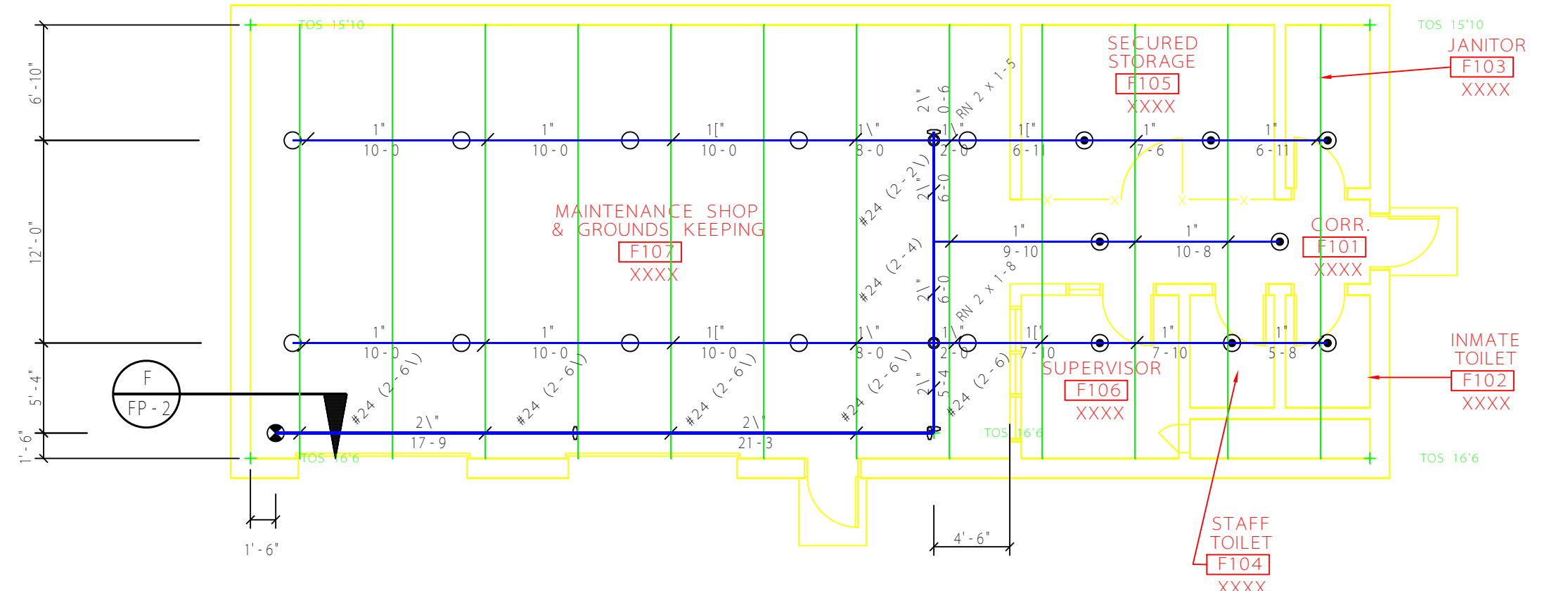


Hanger No. 24  
Top Beam C-Clamp

Pipe Size	Rod Size	Min. "C" Dimension	Max. "C" Dimension
1/2"	3/16"	1.525"	1.525"
3/4"	1/4"	1.875"	1.875"
1"	5/16"	2.225"	2.225"
1 1/4"	3/8"	2.575"	2.575"
1 1/2"	7/16"	2.925"	2.925"
2"	1"	3.275"	3.275"
2 1/2"	1 1/8"	3.625"	3.625"
3"	1 1/4"	3.975"	3.975"
3 1/2"	1 3/8"	4.325"	4.325"
4"	1 1/2"	4.675"	4.675"

BLDG "G" LIMITED-AREA FIRE SPRINKLER PLAN  
SCALE: 1/8"=1'-0"

NOTE: SPRINKLER SYSTEM SUPPLY FROM 1 1/2" DOMESTIC LINE. FIELD VERIFY CONNECTION and PROVIDE CONTROL VALVE w/ TAMPER SWITCH & 1" DRAIN. NO INSP. TEST or FLOW ALARM REQUIRED.

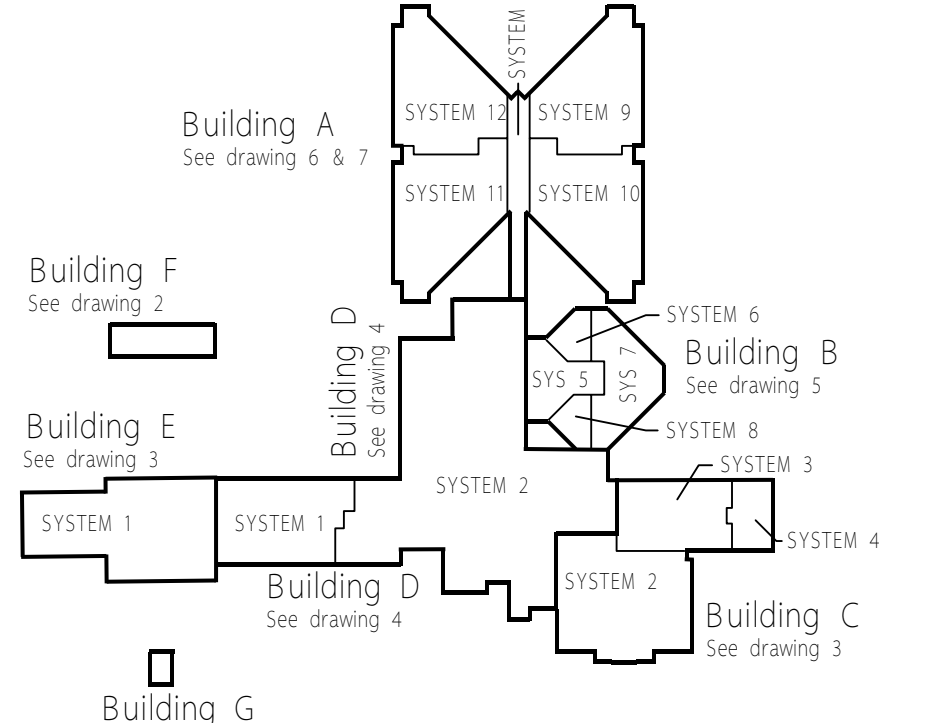


BUILDING "F" FIRE SPRINKLER PLAN  
SCALE: 1/8"=1'-0"

ELEVATION OF PIPE = 13'-11" A.F.F. ALL MAIN HANGERS = TYPE #24XAS NOTED ON PLAN ALL LINE HANGERS = TYPE #11x0'-8" LINES DOWN -(0-8) FROM T.O.S.

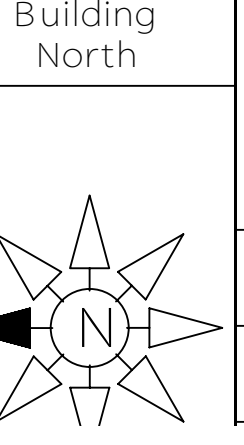
SMOKE SYSTEM ACTIVATION SCHEDULE

FIRE SPRINKLER SYSTEM	SMOKE ZONE
1	E
2	D1
3	C2
4	C1
5	B1-INTERIOR CORE
6	B2-HOUSING 2-A
7	B3-HOUSING 2-C
8	B4-HOUSING 2-B
9	A4-HOUSING 1-C
10	A1-HOUSING 1-D
11	A2-HOUSING 1-A
12	A3-HOUSING 1-B
13	A5-CORRIDOR A-1148



FFA 13 and State Fire Codes require the building owner to be responsible for maintaining the sprinkler system and keeping the system good operating condition. With the influx of new and specific fire sprinkler styles in the market the sprinkler heads in this building may be a combination of standard response, quick response, or residential type, and could be either a standard or extended coverage spray system. Care should be exercised during the replacement of any sprinkler head to be assured the replacement sprinkler is identical to the original sprinkler head. Head requirements to be considered include, but are not limited to, make, model, orifice size, temperature, response requirements, spray pattern, and maximum spacing limitations.

NOTE: PIPE-END PREPARATION MARKS DO NOT INCLUDE FITTING TAKE-OUTS: ALL PIPE AND HANGERS ARE SHOWN CENTER-TO-CENTER ONLY. FITTING TAKE-OUTS WILL BE PERFORMED BY COMPUTER STOCKING. SEE TITLEBLOCK FOR PIPE AND FITTING STYLES.



**Building North**

Note:  
To prevent freezing of pipe in sprinkler system others shall provide sufficient heat to maintain system above 40° F, unless an anti-freeze loop or dry pipe system is installed.  
All welded fittings to be shop welded and in accordance with NFPA Pamphlet 13.  
Sprinkler foreman to locate any high temp. heads not shown on shop drawing.

**General Notes**

PIPE:  
1" THRU 2" - THREADABLE THINWALL (A-135 OR A-755F)  
2" & LARGER SCH40 A135 THINWALL w/ ROLL GROOVED ENDS

FITTINGS:  
1" - 2" THREADED FITTINGS - BLACK STANDARD WEIGHT CAST IRON  
2" & LARGER WELDED LINE OPENINGS & FIRELOCK MECH. FITTINGS

BLDG. CONSTRUCTION:  
NON COMBUSTIBLE STEEL I BEAMS AND BAR JOISTS  
SPKLR. LOCATION: AS REQUIRED BY FIRE CODE, BUT NOT NECESSARILY CENTER OF TILES

The following are to be provided or installed by:

Item	Material	Quantity	Notes
PAINTING OF PIPE - IF DESIRED			
PIPE IDENTIFICATION MARKERS			
GRID SYSTEM PRESSURE RELIEF VALVE			
SPARE HEAD CABINET WITH WRENCH			
MAIN DRAIN/TEST VALVE & GAGES			
EXISTING PIPE REMOVAL			
EXISTING SPRINKLER RELOCATION			
HOUSEKEEPING PAD			
ROVER DRAIN CONNECTIONS			
SLEEVES			
FIRE CAULK - FIRE RATED WALLS			

**Legend**

(O) 1/2" OF PIPE TO BOTTOM OF STL OR CONG. DECK OR BOTTOM OF WOOD JOIST	24	MT. ROD, RING & TOP. BM. CLAMP W/LOCK NUT
(1/2) 1/2" OF PIPE TO BOTTOM OF STEEL BEAM OR METAL JOIST	58/59	MT. ROD, RING, SIDE-BM BRACKET & BOLT
(O) HANGER ROD LENGTH	12	MT. ROD, RING & EXP. CASE
AFF 1" PIPE ABOVE FINISHED FLOOR	10	COACH SCREW ROD OR SUPERSCREW W/ROD & RING
Z 2" PURLIN CLAMP, MT. ROD & RING	22	Z-PURLIN CLAMP, MT. ROD & RING
LUND UNLESS NOTED OTHERWISE	15	TRAPEZOID
C.M. CEILING HEIGHT		

**Hangers**

SYMBOL	TEMP.	LOCATION	SIZE	K	TYPE	MODEL	ESCH.	TOTAL

**Sprinklers this drawing:**

SYMBOL	TEMP.	LOCATION	SIZE	K	TYPE	MODEL	ESCH.	TOTAL

**Date**

Date	Revisions
02-07-01	ADDED SPRINKLER SYSTEM ZONE NUMBERS and SMOKE SYSTEM ACTIVATION SCHEDULE.
03-28-01	Expanded Key Plan information.
08-07-01	ADDED HEAD @ TOP OF CELL CHASES
02-22-02	MODIFIED DRAIN VALVE DETAILS

**Brewer & Company**  
of West Virginia, Inc.  
Charleston Morgantown  
1-800-642-8598

**LAKIN CORRECTIONAL FACILITY FOR WOMEN**

LOCATION: LAKIN  
CONTRACT WITH: STATE OF WEST VIRGINIA  
WEST VIRGINIA