

GAS PIPING SUPPORT INTERVALS

STEEL PIPE NOMINAL SIZE OF PIPE (INCHES)	SPACING OF SUPPORTS (FEET)
1/2	6
3/4 OR 1	8
1 1/4 OR LARGER	10

PLUMBING SIZE OF CONDUCTORS AND LEADERS
 RAINFALL RATE (INCHES PER HOUR) = 5"
 HORIZONTALLY PROJECTED ROOF AREA SQUARE FOOTAGE

ROOF AREA A1

FLAT ROOF AREA	1321	SQ. FT.
PARAPET WALL AREA F = (78/2)	38	SQ. FT.
PARAPET WALL AREA B = (150/2)	75	SQ. FT.
PARAPET WALL AREA C = (271/2)	135.5	SQ. FT.
PARAPET WALL AREA G = (102/2)	51	SQ. FT.
TOTAL	2393	SQ. FT.

ROOF AREA A2

FLAT ROOF AREA	1364	SQ. FT.
TOWER ROOF AREA	686	SQ. FT.
PARAPET WALL AREA E = (148/2)	74	SQ. FT.
PARAPET WALL AREA C = (28/2)	14	SQ. FT.
PARAPET WALL AREA D = (100/2)	50	SQ. FT.
PARAPET WALL AREA K = (214/2)	107	SQ. FT.
PARAPET WALL AREA G = (37/2)	18.5	SQ. FT.
TOTAL	2364	SQ. FT.

ROOF AREA A3

FLAT ROOF AREA	1406	SQ. FT.
PARAPET WALL AREA H = (148/2)	74	SQ. FT.
PARAPET WALL AREA I = (280/2)	140	SQ. FT.
PARAPET WALL AREA J = (169/2)	84.5	SQ. FT.
TOTAL	1710	SQ. FT.

ROOF AREA D

FLAT ROOF AREA	202	SQ. FT.
PARAPET WALL AREA D3 = (449/2)	223	SQ. FT.
PARAPET WALL AREA D4 = (96/2)	48	SQ. FT.
TOTAL	473	SQ. FT.

ROOF AREA C

FLAT ROOF AREA	205	SQ. FT.
PARAPET WALL AREA C4 = (445/2)	222.5	SQ. FT.
PARAPET WALL AREA C5 = (96/2)	48	SQ. FT.
TOTAL	476	SQ. FT.

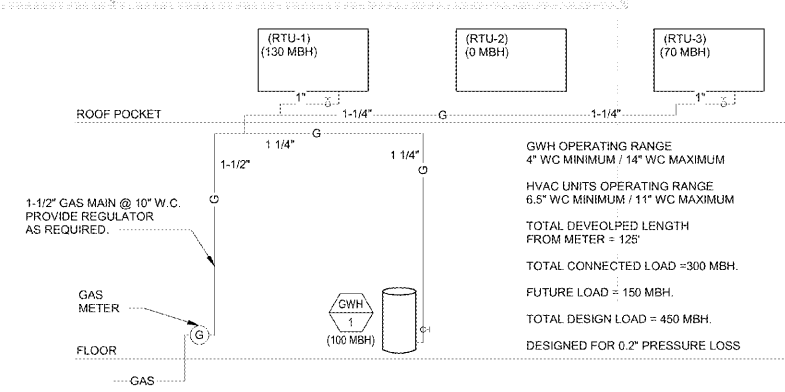
PROJECT SPECIFICATIONS
 RAINFALL = 5" PER HOUR
 TOTAL ROOF AREA = HORIZONTAL PROJECTED AREA + HALF THE AREA OF VERTICAL WALLS THAT DIVERT WATER TO THE ROOF
 OVERFLOW LOW DRAINAGE, CALCULATED FROM 2012 INTERNATIONAL TABLE 1106.2(1)

ROOF LABEL	TOTAL AREA	LARGEST TRIB AREA	VERTICAL PIPING			
			QTY.	DIAMETER REQ'D	QTY.	SIZE PROVIDED
A	5,361 SF	1,406 SF	4	3"	4	3"x4"
B	686 SF	343 SF	2	2"	2	3"x4"
C	476 SF	51 SF	3	2"	3	3"
D	473 SF	66 SF	3	2"	3	3"

TABLE 1106.2(1) SIZE OF VERTICAL CONDUCTORS & LEADERS

LEADER DIAMETER (INCHES)	HORIZONTAL PROJECTED ROOF AREA (SQUARE FEET)					
	1	2	3	4	5	6
2	2,880	1,440	960	720	575	480
3	8,880	4,400	2,930	2,200	1,760	1,470
4	18,400	9,200	6,130	4,600	3,680	3,070
5	34,600	17,300	11,530	8,650	6,860	5,765
6	54,000	27,000	17,995	13,500	10,800	9,000
8	116,000	58,000	38,660	29,000	23,200	19,315

1 PLUMBING ROOF PLAN
 P5 1/4" = 1'-0"



2 GAS RISER
 P5 NOT TO SCALE

3 ROOF DRAINAGE CALCULATIONS
 P5 NOT TO SCALE

Order Plans

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PROJECT NAME
 U45-VA V2018 01-MA
 STORE #8647-PHM
 PARRHAM RD. & THREE CHOFT RD.
 HENRICO, VA

Revision Schedule

No.	Description	Date
1	PERMIT SET	09/21/2018
2	BID SET	01/25/2019

PROJECT NO.
 2180133

DATE
 05-21-2018

DRAWN
 JJ

CHECKED
 JLD/JFK