

NOTE:  
ALL HORIZONTAL STORM WATER PIPING WITHIN THE BUILDING SHALL BE SLOPED AT 1/2" PER FOOT. THE STORM WATER MAIN SHALL TRANSITION TO 9" AND 14" PER FOOT SLOPE ONCE EXITING THE BUILDING.

6" HIGH BY 12" WIDE SCUPPER, REF ARCHITECTURAL FOR EXACT LOCATION. 3" X 4" VERTICAL DOWNSPOUT TO BELOW GRADE. REF CIVIL FOR CONTINUATION. SQUARE FOOTAGE FOR THIS SCUPPER (2,430 SQ. FT.)

6" HIGH BY 12" WIDE SCUPPER, REF ARCHITECTURAL FOR EXACT LOCATION. 3" X 4" VERTICAL DOWNSPOUT TO BELOW GRADE. REF CIVIL FOR CONTINUATION. SQUARE FOOTAGE FOR THIS SCUPPER (1,243 SQ. FT.)

6" HIGH BY 10" WIDE OVERFLOW SCUPPER - REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION

6" HIGH BY 12" WIDE SCUPPER, REF ARCHITECTURAL FOR EXACT LOCATION. 3" X 4" VERTICAL DOWNSPOUT TO BELOW GRADE. REF CIVIL FOR CONTINUATION. SQUARE FOOTAGE FOR THIS SCUPPER (2,256 SQ. FT.)

GAS PIPING SUPPORT INTERVALS

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

PLUMBING ROOF PLAN

ROOF AREA	FLAT ROOF AREA	TOWER	PARAPET WALL AREA	TOTAL
ROOF AREA A	1711	343	74.5	2430
ROOF AREA B	1100	71.5	71.5	1243
ROOF AREA C	1553	343	88	2984
ROOF AREA D	403	66	66	535
TOTAL	4617	763	280	5660

PROJECT SPECIFIC RAINFALL = 5" PER HOUR  
TOTAL ROOF AREA = HORIZONTAL PROJECTED AREA + HALF THE AREA OF VERTICAL WALLS THAT DIVERGE WATER FROM THE ROOF  
OVERFLOW LOW CAPACITY, CALCULATED FROM 2015 INTERNATIONAL TABLE 1106.2(1)

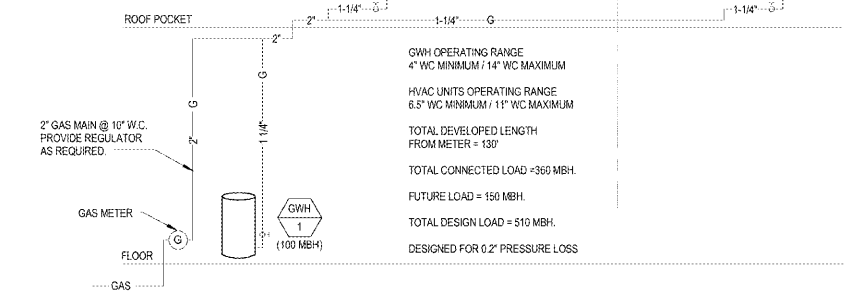
ROOF LABEL	TOTAL AREA	LARGEST TRIB AREA	VERTICAL PIPING			
			QTY.	DIAMETER REQ'D	QTY.	DIAMETER PRVD
A	5,699 SF	2,009 SF	3	3"	3	4"
B	724 SF	362 SF	2	2"	2	4"
C	369 SF	51 SF	3	2"	3	4"
D	403 SF	66 SF	3	2"	3	4"

TABLE 1106.2(1) SIZE OF VERTICAL CONDUCTORS & LEADERS

DIAMETER OF LEADER (INCHES)	HORIZONTAL PROJECTED ROOF AREA (SQUARE FEET)					
	RAINFALL RATE (INCHES PER HOUR)					
	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	6,900	5,765
6	54,000	27,000	17,965	13,500	10,800	9,000
8	116,000	58,000	38,660	29,000	23,200	19,315

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



2 GAS RISER  
NOT TO SCALE

3 ROOF DRAINAGE CALCULATIONS  
NOT TO SCALE

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WAWA, PA 19063

PROJECT NAME  
WAWA L145-FB1-VA-M v2017.01  
STORE #8661-STO  
Newtown Rd. & Stoney Point St.  
Norfolk, VA

PLUMBING ROOF PLAN

Revision Schedule

No.	Description	Date
1	PERMIT SET	05/11/2018
2	PRE-BID REVIEW SET	01/09/2019
3	BID SET	01/29/2019

PROJECT NO. 217057  
DATE 05-11-18  
DRAWN JJ  
CHECKED JLD/JFK