

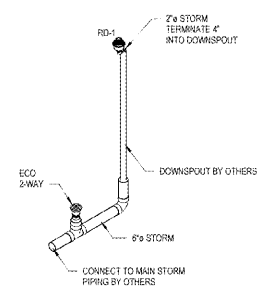
ROOF DRAIN TECHNICAL DATA = 100 YEAR RAINFALL (1" 8" ROUNDED UP TO 5")  
TOTAL ROOF AREA = 15933 SQ. FT. THE AREA OF VERTICAL WALLS THAT  
DIVERGENT WATER DRAINAGE CALCULATED FROM TYPICAL TABLE 1106.2 AS MODIFIED BY SECTION  
1106.3

LABEL	TOTAL ROOF AREA	GPM	VERTICAL & HORIZONTAL PIPING					
			4" VERT.	4" HORIZ.	QTY.	8" HORIZ.		
A	15933	2228	116	4"	4"	1	4"	N/A
B	2440	2440	122	4"	5"	1	4"	N/A
A3	2018	2018	105	4"	4"	1	4"	N/A
B	725	363	13	2"	2"	2	4"	4"
C	1298	314	16	2"	2"	5	2"	2"
D	248	136	7	2"	2"	2	2"	2"
E	286	143	8	2"	2"	2	2"	2"

TABLE 1106.2 STORM DRAIN PIPE SIZING

PIPE SIZE (INCHES)	VERTICAL DRAIN	CAPACITY (GPM)			
		1/8" IN PER FT	1/4" IN PER FT	1/2" IN PER FT	1/2" IN PER FT
2	34	15	22	31	41
3	67	30	45	78	111
4	130	61	115	163	231
5	211	117	185	254	331
6	338	243	344	487	689
8	1,117	555	714	1010	1,429

3 ROOF DRAINAGE CALCULATIONS  
NOT TO SCALE



2 ROOF DRAIN RD-1 RISER  
NOT TO SCALE

1 PLUMBING ROOF PLAN  
NOT TO SCALE

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CLIENT NAME  
WAWA  
280 WEST BALTIMORE PIKE  
WAWA, PENNSYLVANIA 19083

PROJECT NAME  
WAWA F85L 2019.01 STORE #6351 - CMM  
1004 EDGEWOOD AVE.  
JACKSONVILLE, FL 32254

SHEET TITLE  
PLUMBING ROOF PLAN

No.	Revision	Schedule	Date
1	REVISED SET	09/10/2020	09/10/2020
2	REVISED SET	09/24/2020	09/24/2020

PROJECT NO.	DATE	DATE	DATE	DATE	DATE
212780	08/09/2020	09/10/2020	09/24/2020		

PROJECT NO. 212780  
DATE 08/09/2020  
DATE 09/10/2020  
DATE 09/24/2020  
DATE  
DATE  
DATE

P3