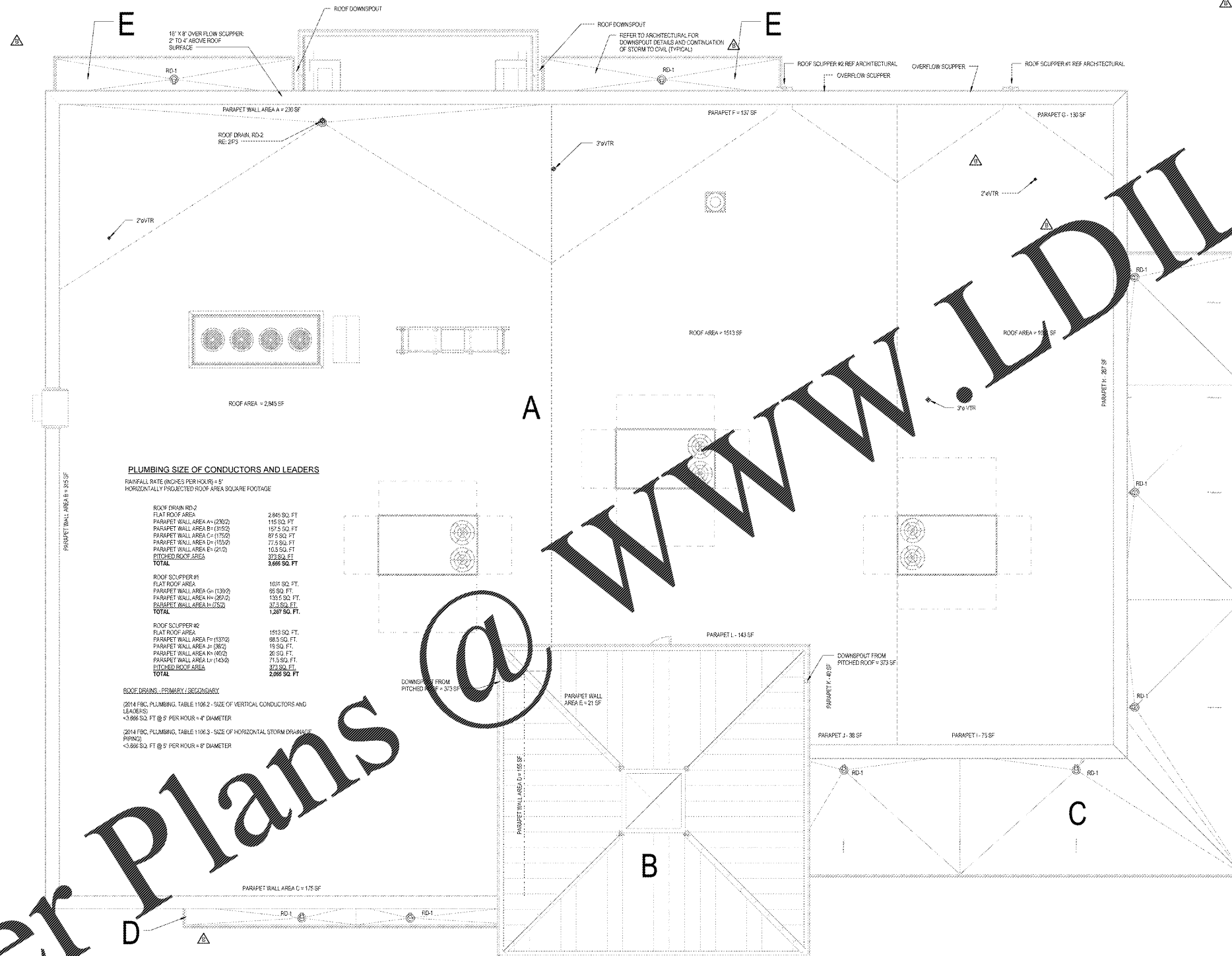


Order Plans @



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

ROOF DRAIN RD.2 FLAT ROOF AREA	2845 SQ. FT.
PARAPET WALL AREA A (2302)	115 SQ. FT.
PARAPET WALL AREA B (1152)	157.5 SQ. FT.
PARAPET WALL AREA C (1172)	87.5 SQ. FT.
PARAPET WALL AREA D (1152)	77.5 SQ. FT.
PARAPET WALL AREA E (1412)	113.5 SQ. FT.
PITCHED ROOF AREA	373 SQ. FT.
TOTAL	3,669 SQ. FT.
ROOF SCUPPER #1 FLAT ROOF AREA	1031 SQ. FT.
PARAPET WALL AREA G (1392)	65 SQ. FT.
PARAPET WALL AREA H (2072)	133.5 SQ. FT.
PARAPET WALL AREA I (1252)	27.5 SQ. FT.
TOTAL	1,267 SQ. FT.
ROOF SCUPPER #2 FLAT ROOF AREA	1513 SQ. FT.
PARAPET WALL AREA F (1372)	68.5 SQ. FT.
PARAPET WALL AREA J (382)	19 SQ. FT.
PARAPET WALL AREA K (1802)	20 SQ. FT.
PARAPET WALL AREA L (1432)	71.5 SQ. FT.
PITCHED ROOF AREA	373 SQ. FT.
TOTAL	2,866 SQ. FT.

ROOF DRAIN, PRIMARY / SECONDARY
 (2014 FBC PLUMBING, TABLE 1106.2 - SIZE OF VERTICAL CONDUCTORS AND LEADERS)
 < 3.886 SQ. FT @ 5" PER HOUR = 4" DIAMETER
 (2014 FBC PLUMBING, TABLE 1106.3 - SIZE OF HORIZONTAL STORM DRAINAGE PIPING)
 < 3.886 SQ. FT @ 5" PER HOUR = 6" DIAMETER

ROOF DRAINAGE CALCULATIONS

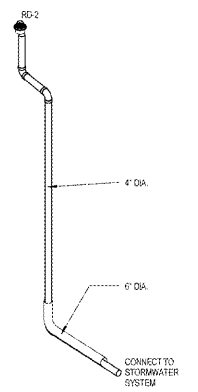
PROJECT SITE = COUNTY, FL 100 YEAR, 1 HR RAINFALL = 4.5" (ROUND UP TO 5")
 TOTAL ROOF AREA = HORIZONTAL PROJECTED AREA + HALF THE AREA OF VERTICAL WALLS THAT DIVERT WATER TO THE ROOF.
 OVERFLOW DRAINAGE CALCULATED FROM FPC TABLE 1106.2 AS MODIFIED BY SECTION 1118.9

ROOF LABEL	TOTAL AREA	LARGEST TRIB AREA	VERTICAL PIPING			
			REQUIRED	PROVIDED		
			QTY.	DIAMETER	QTY.	DIAMETER
A	6,698 SF	3,056 SF	3	4"	3	4"
B	746 SF	373 SF	2	2"	2	2"
C	1,268 SF	213 SF	3	2"	3	2"
D	212 SF	87 SF	1	2"	1	2"
E	105 SF	83 SF	1	2"	1	2"

TABLE 1106.2(1) - SIZE OF VERTICAL CONDUCTORS AND LEADERS

DIAMETER OF LEADER (INCHES)	HORIZONTALLY PROJECTED ROOF AREA (SQ. FT.)			
	1	2	3	4
2	960	720	576	480
3	1,440	1,080	864	720
4	2,160	1,620	1,296	1,080
6	4,320	3,240	2,592	2,160
8	8,640	6,480	5,184	4,320

ROOF AREA CALCULATIONS



2 ROOF DRAIN RISER
 NOT TO SCALE

CLIENT NAME: WAWA
 260 WEST BALTIMORE PIKE
 WAWA, PENNSYLVANIA 19063

PROJECT NAME: WAWA F85FB 2017.01 STORE #5254-0KE
 OKEECHOBEE RD & JENKINS RD.
 FT. PIERCE, FLORIDA

SHEET TITLE: PLUMBING ROOF PLAN

No.	Description	Date
1	PRELIMINARY	04/24/2014
2	REV 2017.01	07/26/2017
3	IFPE-BID REVIEW SET	07/26/2017
4	BID SET	08/30/2017

PROJECT NO.: 210503
DATE: 08/30/2017
DRAWN BY: [Name]
CHECKED BY: [Name]

P3

WAWA F85FB 2017.01 STORE #5254-0KE
 OKEECHOBEE RD & JENKINS RD.
 FT. PIERCE, FLORIDA