



TOTAL FLAT ROOF AREA = 56,864 SF
 SOLAR PANEL AREA REQUIRED = 56,864 X 0.15 = 8,530 SF
 TOTAL PROVIDED = 8,947 SF

SINGLE-PLY ROOFING DESCRIPTION

SINGLE PLY ROOFING BY "GENFLEX" OR EQUAL
 ASTM D 6878-03

SIZE OF HORIZONTAL RAINWATER PIPING

PER TABLE 11-2, CPC

SIZE OF RAINWATER PIPING FOR 4" PER HOUR RAINFALL INTENSITY
 TO HORIZONTAL PROJECTED ROOF AREAS IN SQUARE FEET

SIZE OF PIPE IN INCHES	PIPE SLOPE		
	1/8"/FT	1/4"/FT	1/2"/FT
3	822	1,160	1,644
4	1,800	2,650	3,760
5	3,340	4,720	6,650
6	5,350	7,550	10,700
8	11,500	16,300	23,000
10	20,700	29,200	41,400
12	33,300	47,000	66,600
15	59,500	84,000	119,000

RDA: ROOF DRAIN AREA IN SQUARE FOOT

ROOF DRAINS, OVERFLOW DRAINS, AND RAINWATER PIPING
 INSTALLED WITHIN THE CONSTRUCTION OF THE BUILDING SHALL
 BE TESTED IN CONFORMITY WITH THE PROVISIONS OF THIS CODE
 FOR TESTING DRAIN, WASTE, AND VENT SYSTEMS.

