





NO.	DRAWN:	CHECKED:	REVIEWED:	APPROVED:	REVISIONS:
0	EnriLu 9/25/2014				New Drawing
1	BushBr 4/28/2015				Note Revisions
2	BushBr 12/14/2015				Updated Dead Load, Added 2015 IBC
3					
4					
5					
6					
7					
8					

Client: Schletter Inc 2201 North Forbes Boulevard Tucson, AZ 85745	 3761 E. FARNUM PLACE TUCSON, AZ 85706 TEL.: (520) 289 - 8700 FAX: (520) 289 - 8695 EMAIL: MAIL@SCHLETTER.US WWW.SCHLETTER.US	Standard PvMini, 60 Cell, 15° - 35° Exterior Racking Structure Details and Parts List ISSUED BY: SCHLETTER INC. PROPRIETARY AND CONFIDENTIAL	Project Site: Schletter Solar Mounting 1001 Commerce Center Dr Shelby, NC 28150	Drawing Number: v.01 JOB NUMBER: v SHEET: 3 of 4 SCALE: SEE DRAWING VIEWS
---	---	--	--	---

Slope Factor By Tilt	
Tilt	C _s
15°	1.00
20°	0.91
25°	0.82
30°	0.73
35°	0.64

ASCE 7-05																
TILT	MAX WIND	GROUND SNOW	SLOPED ROOF SNOW	MAX SPAN	PURLIN TYPE	FRONT CONNECTION			REAR CONNECTION			BAYS BETWEEN CROSS BRACING	BALLAST WIDTH	# OF REBAR		
						TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR					
	85 MPH	0 PSF	0.00 PSF	9.25 FT	ProfiPlus	0.50 KIP	1.31 KIP	0.00 KIP	1.57 KIP	0.96 KIP	0.59 KIP	11	23 IN	(1) #5		
		10 PSF	7.56 PSF	9.25 FT	ProfiPlus	0.50 KIP	1.49 KIP	0.00 KIP	1.57 KIP	1.09 KIP	0.59 KIP	11	23 IN	(1) #5		
		20 PSF	15.12 PSF	9.25 FT	ProfiPlusXT	0.50 KIP	1.91 KIP	0.00 KIP	1.56 KIP	1.40 KIP	0.59 KIP	11	22 IN	(1) #5		
		30 PSF	22.68 PSF	8.50 FT	ProfiPlusXT	0.46 KIP	2.29 KIP	0.00 KIP	1.43 KIP	1.68 KIP	0.54 KIP	12	21 IN	(1) #5		
		40 PSF	30.24 PSF	7.75 FT	ProfiPlusXT	0.42 KIP	2.57 KIP	0.00 KIP	1.30 KIP	1.88 KIP	0.49 KIP	17	19 IN	(1) #5		
		50 PSF	37.80 PSF	7.00 FT	ProfiPlusXT	0.38 KIP	2.76 KIP	0.00 KIP	1.18 KIP	2.01 KIP	0.44 KIP	17	17 IN	(1) #5		
	60 PSF	45.36 PSF	6.50 FT	ProfiPlusXT	0.35 KIP	2.96 KIP	0.00 KIP	1.09 KIP	2.16 KIP	0.41 KIP	22	16 IN	(1) #5			
	0 PSF	0.00 PSF	8.25 FT	ProfiPlus	0.51 KIP	1.29 KIP	0.00 KIP	1.57 KIP	0.94 KIP	0.59 KIP	14	23 IN	(1) #5			
	10 PSF	7.56 PSF	8.25 FT	ProfiPlus	0.51 KIP	1.45 KIP	0.00 KIP	1.57 KIP	1.06 KIP	0.59 KIP	14	23 IN	(1) #5			
	20 PSF	15.12 PSF	8.25 FT	ProfiPlus	0.51 KIP	1.76 KIP	0.00 KIP	1.57 KIP	1.29 KIP	0.59 KIP	14	23 IN	(1) #5			
	90 MPH	30 PSF	22.68 PSF	8.25 FT	ProfiPlusXT	0.51 KIP	2.28 KIP	0.00 KIP	1.57 KIP	1.67 KIP	0.59 KIP	14	23 IN	(1) #5		
		40 PSF	30.24 PSF	7.50 FT	ProfiPlusXT	0.46 KIP	2.54 KIP	0.00 KIP	1.42 KIP	1.86 KIP	0.53 KIP	17	21 IN	(1) #5		
		50 PSF	37.80 PSF	7.00 FT	ProfiPlusXT	0.43 KIP	2.81 KIP	0.00 KIP	1.33 KIP	2.05 KIP	0.50 KIP	17	19 IN	(1) #5		
		60 PSF	45.36 PSF	6.50 FT	ProfiPlusXT	0.40 KIP	3.01 KIP	0.00 KIP	1.23 KIP	2.20 KIP	0.46 KIP	22	18 IN	(1) #5		
		0 PSF	0.00 PSF	6.50 FT	ProfiPlus	0.51 KIP	1.22 KIP	0.00 KIP	1.54 KIP	0.89 KIP	0.57 KIP	22	22 IN	(1) #5		
		10 PSF	7.56 PSF	6.50 FT	ProfiPlus	0.51 KIP	1.35 KIP	0.00 KIP	1.54 KIP	0.98 KIP	0.57 KIP	22	22 IN	(1) #5		
	20 PSF	15.12 PSF	6.25 FT	ProfiPlus	0.49 KIP	1.44 KIP	0.00 KIP	1.48 KIP	1.05 KIP	0.55 KIP	22	21 IN	(1) #5			
	30 PSF	22.68 PSF	6.25 FT	ProfiPlus	0.49 KIP	1.83 KIP	0.00 KIP	1.48 KIP	1.33 KIP	0.55 KIP	22	21 IN	(1) #5			
	40 PSF	30.24 PSF	6.25 FT	ProfiPlus	0.49 KIP	2.22 KIP	0.00 KIP	1.48 KIP	1.62 KIP	0.55 KIP	22	21 IN	(1) #5			
	50 PSF	37.80 PSF	6.25 FT	ProfiPlusXT	0.49 KIP	2.60 KIP	0.00 KIP	1.47 KIP	1.90 KIP	0.55 KIP	21	21 IN	(1) #5			
	15°	60 PSF	45.36 PSF	6.25 FT	ProfiPlusXT	0.49 KIP	2.99 KIP	0.00 KIP	1.47 KIP	2.18 KIP	0.55 KIP	21	21 IN	(1) #5		
		0 PSF	0.00 PSF	5.25 FT	ProfiPlus	0.51 KIP	1.17 KIP	0.00 KIP	1.50 KIP	0.84 KIP	0.55 KIP	28	22 IN	(1) #5		
		10 PSF	7.56 PSF	5.25 FT	ProfiPlus	0.51 KIP	1.27 KIP	0.00 KIP	1.50 KIP	0.92 KIP	0.55 KIP	28	22 IN	(1) #5		
		20 PSF	15.12 PSF	5.25 FT	ProfiPlus	0.51 KIP	1.37 KIP	0.00 KIP	1.50 KIP	0.99 KIP	0.55 KIP	28	22 IN	(1) #5		
		30 PSF	22.68 PSF	5.25 FT	ProfiPlus	0.51 KIP	1.63 KIP	0.00 KIP	1.50 KIP	1.18 KIP	0.55 KIP	28	22 IN	(1) #5		
		40 PSF	30.24 PSF	5.25 FT	ProfiPlus	0.51 KIP	1.95 KIP	0.00 KIP	1.50 KIP	1.42 KIP	0.55 KIP	28	22 IN	(1) #5		
	50 PSF	37.80 PSF	5.25 FT	ProfiPlus	0.51 KIP	2.28 KIP	0.00 KIP	1.50 KIP	1.66 KIP	0.55 KIP	28	22 IN	(1) #5			
	60 PSF	45.36 PSF	5.25 FT	ProfiPlus	0.51 KIP	2.61 KIP	0.00 KIP	1.50 KIP	1.90 KIP	0.55 KIP	28	22 IN	(1) #5			
	0 PSF	0.00 PSF	4.50 FT	ProfiPlus	0.53 KIP	1.17 KIP	0.00 KIP	1.53 KIP	0.84 KIP	0.56 KIP	40	22 IN	(1) #5			
	10 PSF	7.56 PSF	4.50 FT	ProfiPlus	0.53 KIP	1.26 KIP	0.00 KIP	1.53 KIP	0.90 KIP	0.56 KIP	40	22 IN	(1) #5			
	120 MPH	20 PSF	15.12 PSF	4.50 FT	ProfiPlus	0.53 KIP	1.35 KIP	0.00 KIP	1.53 KIP	0.97 KIP	0.56 KIP	40	22 IN	(1) #5		
		30 PSF	22.68 PSF	4.50 FT	ProfiPlus	0.53 KIP	1.48 KIP	0.00 KIP	1.53 KIP	1.07 KIP	0.56 KIP	40	22 IN	(1) #5		
		40 PSF	30.24 PSF	4.50 FT	ProfiPlus	0.53 KIP	1.76 KIP	0.00 KIP	1.53 KIP	1.27 KIP	0.56 KIP	40	22 IN	(1) #5		
		50 PSF	37.80 PSF	4.50 FT	ProfiPlus	0.53 KIP	2.04 KIP	0.00 KIP	1.53 KIP	1.47 KIP	0.56 KIP	40	22 IN	(1) #5		
		60 PSF	45.36 PSF	4.50 FT	ProfiPlus	0.50 KIP	2.19 KIP	0.00 KIP	1.44 KIP	1.58 KIP	0.53 KIP	40	21 IN	(1) #5		
		0 PSF	0.00 PSF	3.75 FT	ProfiPlus	0.52 KIP	1.13 KIP	0.00 KIP	1.49 KIP	0.80 KIP	0.54 KIP	70	22 IN	(1) #5		
	10 PSF	7.56 PSF	3.75 FT	ProfiPlus	0.52 KIP	1.20 KIP	0.00 KIP	1.49 KIP	0.85 KIP	0.54 KIP	70	22 IN	(1) #5			
	20 PSF	15.12 PSF	3.75 FT	ProfiPlus	0.52 KIP	1.28 KIP	0.00 KIP	1.49 KIP	0.91 KIP	0.54 KIP	70	22 IN	(1) #5			
	30 PSF	22.68 PSF	3.75 FT	ProfiPlusXT	0.51 KIP	1.33 KIP	0.00 KIP	1.47 KIP	0.95 KIP	0.53 KIP	69	21 IN	(1) #5			
	40 PSF	30.24 PSF	3.75 FT	ProfiPlusXT	0.51 KIP	1.53 KIP	0.00 KIP	1.47 KIP	1.09 KIP	0.53 KIP	69	21 IN	(1) #5			
50 PSF	37.80 PSF	3.75 FT	ProfiPlusXT	0.51 KIP	1.76 KIP	0.00 KIP	1.47 KIP	1.25 KIP	0.53 KIP	69	21 IN	(1) #5				
60 PSF	45.36 PSF	3.75 FT	ProfiPlusXT	0.51 KIP	1.99 KIP	0.00 KIP	1.47 KIP	1.41 KIP	0.53 KIP	69	21 IN	(1) #5				

ASCE 7-05 W/ SEISMIC DESIGN														
TILT	MAX WIND	GROUND SNOW	SLOPED ROOF SNOW	MAX SPAN	PURLIN TYPE	FRONT CONNECTION			REAR CONNECTION			BAYS BETWEEN CROSS BRACING	BALLAST WIDTH	# OF REBAR
						TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR			
85 MPH		0 PSF	0.00 PSF	9.25 FT	ProfiPlus	0.50 KIP	1.31 KIP	0.05 KIP	1.57 KIP	0.96 KIP	0.59 KIP	9	23 IN	(1) #5
		10 PSF	7.56 PSF	9.25 FT	ProfiPlus	0.50 KIP	1.49 KIP	0.05 KIP	1.57 KIP	1.09 KIP	0.59 KIP	9	23 IN	(1) #5
		20 PSF	15.12 PSF	9.25 FT	ProfiPlusXT	0.50 KIP	1.91 KIP	0.05 KIP	1.56 KIP	1.40 KIP	0.59 KIP	9	22 IN	(1) #5
		30 PSF	22.68 PSF	8.50 FT	ProfiPlusXT	0.46 KIP	2.29 KIP	0.05 KIP	1.43 KIP	1.68 KIP	0.54 KIP	10	21 IN	(1) #5
		40 PSF	30.24 PSF	7.75 FT	ProfiPlusXT	0.42 KIP	2.57 KIP	0.11 KIP	1.30 KIP	1.88 KIP	0.82 KIP	9	27 IN	(2) #5
		50 PSF	37.80 PSF	7.00 FT	ProfiPlusXT	0.38 KIP	2.76 KIP	0.11 KIP	1.18 KIP	2.01 KIP	0.87 KIP	10	28 IN	(2) #5
		0 PSF	0.00 PSF	8.25 FT	ProfiPlus	0.51 KIP	1.29 KIP	0.05 KIP	1.57 KIP	0.94 KIP	0.59 KIP	11	23 IN	(1) #5
		10 PSF	7.56 PSF	8.25 FT	ProfiPlus	0.51 KIP	1.45 KIP	0.05 KIP	1.57 KIP	1.06 KIP	0.59 KIP	11	23 IN	(1) #5
		20 PSF	15.12 PSF	8.25 FT	ProfiPlus	0.51 KIP	1.76 KIP	0.05 KIP	1.57 KIP	1.29 KIP	0.59 KIP	11	23 IN	(1) #5
		30 PSF	22.68 PSF	8.25 FT	ProfiPlusXT	0.51 KIP	2.28 KIP	0.05 KIP	1.57 KIP	1.67 KIP	0.59 KIP	11	23 IN	(1) #5
90 MPH		0 PSF	0.00 PSF	7.50 FT	ProfiPlusXT	0.46 KIP	2.54 KIP	0.11 KIP	1.42 KIP	1.86 KIP	0.80 KIP	10	26 IN	(2) #5
		10 PSF	7.56 PSF	7.00 FT	ProfiPlusXT	0.43 KIP	2.81 KIP	0.11 KIP	1.33 KIP	2.05 KIP	0.87 KIP	10	28 IN	(2) #5
		20 PSF	15.12 PSF	6.50 FT	ProfiPlusXT	0.40 KIP	3.01 KIP	0.12 KIP	1.23 KIP	2.20 KIP	0.92 KIP	11	29 IN	(2) #5
		30 PSF	22.68 PSF	6.50 FT	ProfiPlus	0.51 KIP	1.22 KIP	0.04 KIP	1.54 KIP	0.89 KIP	0.57 KIP	15	22 IN	(1) #5
		40 PSF	30.24 PSF	6.50 FT	ProfiPlus	0.51 KIP	1.35 KIP	0.04 KIP	1.54 KIP	0.98 KIP	0.57 KIP	15	22 IN	(1) #5
		50 PSF	37.80 PSF	6.25 FT	ProfiPlus	0.49 KIP	1.44 KIP	0.03 KIP	1.48 KIP	1.05 KIP	0.55 KIP	15	21 IN	(1) #5
		0 PSF	0.00 PSF	6.25 FT	ProfiPlus	0.49 KIP	1.83 KIP	0.03 KIP	1.48 KIP	1.33 KIP	0.55 KIP	15	21 IN	(1) #5
		10 PSF	7.56 PSF	6.25 FT	ProfiPlus	0.49 KIP	2.22 KIP	0.09 KIP	1.48 KIP	1.62 KIP	0.67 KIP	12	24 IN	(2) #5
		20 PSF	15.12 PSF	6.25 FT	ProfiPlusXT	0.49 KIP	2.60 KIP	0.10 KIP	1.47 KIP	1.90 KIP	0.79 KIP	12	27 IN	(2) #5
		30 PSF	22.68 PSF	6.25 FT	ProfiPlusXT	0.49 KIP	2.99 KIP	0.11 KIP	1.47 KIP	2.18 KIP	0.89 KIP	11	28 IN	(2) #5
100 MPH		0 PSF	0.00 PSF	5.25 FT	ProfiPlus	0.51 KIP	1.17 KIP	0.03 KIP	1.50 KIP	0.84 KIP	0.55 KIP	24	22 IN	(1) #5
		10 PSF	7.56 PSF	5.25 FT	ProfiPlus	0.51 KIP	1.27 KIP	0.03 KIP	1.50 KIP	0.92 KIP	0.55 KIP	24	22 IN	(1) #5
		20 PSF	15.12 PSF	5.25 FT	ProfiPlus	0.51 KIP	1.37 KIP	0.03 KIP	1.50 KIP	0.99 KIP	0.55 KIP	24	22 IN	(1) #5
		30 PSF	22.68 PSF	5.25 FT	ProfiPlus	0.51 KIP	1.63 KIP	0.03 KIP	1.50 KIP	1.18 KIP	0.55 KIP	24	22 IN	(1) #5
		40 PSF	30.24 PSF	5.25 FT	ProfiPlus	0.51 KIP	1.95 KIP	0.07 KIP	1.50 KIP	1.42 KIP	0.57 KIP	18	23 IN	(1) #5
		50 PSF	37.80 PSF	5.25 FT	ProfiPlus	0.51 KIP	2.28 KIP	0.09 KIP	1.50 KIP	1.66 KIP	0.66 KIP	17	25 IN	(2) #5
		0 PSF	0.00 PSF	5.25 FT	ProfiPlus	0.51 KIP	2.61 KIP	0.10 KIP	1.50 KIP	1.90 KIP	0.75 KIP	16	26 IN	(2) #5
		10 PSF	7.56 PSF	4.50 FT	ProfiPlus	0.53 KIP	1.26 KIP	0.02 KIP	1.53 KIP	0.90 KIP	0.56 KIP	24	22 IN	(1) #5
		20 PSF	15.12 PSF	4.50 FT	ProfiPlus	0.53 KIP	1.35 KIP	0.02 KIP	1.53 KIP	0.97 KIP	0.56 KIP	24	22 IN	(1) #5
		30 PSF	22.68 PSF	4.50 FT	ProfiPlus	0.53 KIP	1.48 KIP	0.02 KIP	1.53 KIP	1.07 KIP	0.56 KIP	24	22 IN	(1) #5
110 MPH		0 PSF	0.00 PSF	4.50 FT	ProfiPlus	0.53 KIP	1.76 KIP	0.06 KIP	1.53 KIP	1.27 KIP	0.56 KIP	19	22 IN	(1) #5
		10 PSF	7.56 PSF	4.50 FT	ProfiPlus	0.53 KIP	2.04 KIP	0.07 KIP	1.53 KIP	1.47 KIP	0.58 KIP	18	23 IN	(1) #5
		20 PSF	15.12 PSF	4.25 FT	ProfiPlus	0.50 KIP	2.19 KIP	0.07 KIP	1.44 KIP	1.58 KIP	0.62 KIP	17	24 IN	(2) #5
		30 PSF	22.68 PSF	3.75 FT	ProfiPlus	0.52 KIP	1.13 KIP	0.02 KIP	1.49 KIP	0.80 KIP	0.54 KIP	35	22 IN	(1) #5
		40 PSF	30.24 PSF	3.75 FT	ProfiPlus	0.52 KIP	1.20 KIP	0.02 KIP	1.49 KIP	0.85 KIP	0.54 KIP	35	22 IN	(1) #5
		50 PSF	37.80 PSF	3.75 FT	ProfiPlus	0.52 KIP	1.28 KIP	0.02 KIP	1.49 KIP	0.91 KIP	0.54 KIP	35	22 IN	(1) #5
		0 PSF	0.00 PSF	3.75 FT	ProfiPlusXT	0.51 KIP	1.33 KIP	0.02 KIP	1.47 KIP	0.95 KIP	0.53 KIP	35	21 IN	(1) #5
		10 PSF	7.56 PSF	3.75 FT	ProfiPlusXT	0.51 KIP	1.53 KIP	0.05 KIP	1.47 KIP	1.09 KIP	0.53 KIP	25	21 IN	(1) #5
		20 PSF	15.12 PSF	3.75 FT	ProfiPlusXT	0.51 KIP	1.76 KIP	0.05 KIP	1.47 KIP	1.25 KIP	0.53 KIP	24	22 IN	(1) #5
		30 PSF	22.68 PSF	3.75 FT	ProfiPlusXT	0.51 KIP	1.99 KIP	0.06 KIP	1.47 KIP	1.41 KIP	0.56 KIP	22	23 IN	(1) #5

Slope Factor By Tilt	
Tilt	C _s
15°	1.00
20°	0.91
25°	0.82
30°	0.73
35°	0.64

ASCE 7-05															
TILT	MAX WIND	GROUND SNOW	SLOPED ROOF SNOW	MAX SPAN	PURLIN TYPE	FRONT CONNECTION			REAR CONNECTION			BAYS BETWEEN CROSS BRACING	BALLAST WIDTH	# OF REBAR	
						TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR				
20°	85 MPH	0 PSF	0.00 PSF	9.00 FT	ProfiPlus	0.33 KIP	1.18 KIP	0.00 KIP	1.68 KIP	1.04 KIP	0.78 KIP	12	23 IN	(1) #5	
		10 PSF	6.87 PSF	9.00 FT	ProfiPlus	0.33 KIP	1.34 KIP	0.00 KIP	1.68 KIP	1.16 KIP	0.78 KIP	12	23 IN	(1) #5	
		20 PSF	13.75 PSF	9.00 FT	ProfiPlusXT	0.33 KIP	1.70 KIP	0.00 KIP	1.67 KIP	1.34 KIP	0.78 KIP	12	23 IN	(1) #5	
		30 PSF	20.62 PSF	8.50 FT	ProfiPlusXT	0.31 KIP	2.08 KIP	0.01 KIP	1.58 KIP	1.61 KIP	0.73 KIP	12	21 IN	(1) #5	
		40 PSF	27.49 PSF	7.75 FT	ProfiPlusXT	0.29 KIP	2.34 KIP	0.01 KIP	1.44 KIP	1.79 KIP	0.67 KIP	14	20 IN	(1) #5	
		50 PSF	34.36 PSF	7.00 FT	ProfiPlusXT	0.26 KIP	2.51 KIP	0.01 KIP	1.29 KIP	1.90 KIP	0.60 KIP	17	18 IN	(1) #5	
	90 MPH	60 PSF	41.24 PSF	6.50 FT	ProfiPlusXT	0.24 KIP	2.70 KIP	0.01 KIP	1.20 KIP	2.02 KIP	0.56 KIP	22	16 IN	(1) #5	
		0 PSF	0.00 PSF	7.75 FT	ProfiPlus	0.33 KIP	1.12 KIP	0.00 KIP	1.62 KIP	0.99 KIP	0.75 KIP	14	22 IN	(1) #5	
		10 PSF	6.87 PSF	7.75 FT	ProfiPlus	0.33 KIP	1.25 KIP	0.00 KIP	1.62 KIP	1.09 KIP	0.75 KIP	14	22 IN	(1) #5	
		20 PSF	13.75 PSF	7.75 FT	ProfiPlus	0.33 KIP	1.52 KIP	0.00 KIP	1.62 KIP	1.20 KIP	0.75 KIP	14	22 IN	(1) #5	
		30 PSF	20.62 PSF	7.75 FT	ProfiPlusXT	0.33 KIP	1.95 KIP	0.00 KIP	1.62 KIP	1.51 KIP	0.75 KIP	14	22 IN	(1) #5	
		40 PSF	27.49 PSF	7.50 FT	ProfiPlusXT	0.32 KIP	2.31 KIP	0.01 KIP	1.56 KIP	1.77 KIP	0.72 KIP	17	21 IN	(1) #5	
20°	100 MPH	50 PSF	34.36 PSF	7.00 FT	ProfiPlusXT	0.30 KIP	2.55 KIP	0.01 KIP	1.46 KIP	1.94 KIP	0.68 KIP	17	20 IN	(1) #5	
		60 PSF	41.24 PSF	6.50 FT	ProfiPlusXT	0.28 KIP	2.74 KIP	0.01 KIP	1.35 KIP	2.06 KIP	0.63 KIP	21	18 IN	(1) #5	
		0 PSF	0.00 PSF	6.25 FT	ProfiPlus	0.34 KIP	1.08 KIP	0.00 KIP	1.62 KIP	0.96 KIP	0.75 KIP	21	22 IN	(1) #5	
		10 PSF	6.87 PSF	6.25 FT	ProfiPlus	0.34 KIP	1.19 KIP	0.00 KIP	1.62 KIP	1.04 KIP	0.75 KIP	21	22 IN	(1) #5	
		20 PSF	13.75 PSF	6.25 FT	ProfiPlus	0.34 KIP	1.32 KIP	0.00 KIP	1.62 KIP	1.12 KIP	0.75 KIP	21	22 IN	(1) #5	
		30 PSF	20.62 PSF	6.25 FT	ProfiPlus	0.34 KIP	1.67 KIP	0.00 KIP	1.62 KIP	1.30 KIP	0.75 KIP	21	22 IN	(1) #5	
	110 MPH	40 PSF	27.49 PSF	6.25 FT	ProfiPlus	0.34 KIP	2.02 KIP	0.00 KIP	1.62 KIP	1.56 KIP	0.75 KIP	21	22 IN	(1) #5	
		50 PSF	34.36 PSF	6.25 FT	ProfiPlusXT	0.34 KIP	2.37 KIP	0.00 KIP	1.61 KIP	1.81 KIP	0.74 KIP	21	22 IN	(1) #5	
		60 PSF	41.24 PSF	6.25 FT	ProfiPlusXT	0.34 KIP	2.72 KIP	0.01 KIP	1.61 KIP	2.06 KIP	0.74 KIP	21	22 IN	(1) #5	
		0 PSF	0.00 PSF	5.00 FT	ProfiPlus	0.34 KIP	1.03 KIP	0.00 KIP	1.57 KIP	0.91 KIP	0.72 KIP	28	22 IN	(1) #5	
		10 PSF	6.87 PSF	5.00 FT	ProfiPlus	0.34 KIP	1.11 KIP	0.00 KIP	1.57 KIP	0.97 KIP	0.72 KIP	28	22 IN	(1) #5	
		20 PSF	13.75 PSF	5.00 FT	ProfiPlus	0.34 KIP	1.20 KIP	0.00 KIP	1.57 KIP	1.03 KIP	0.72 KIP	28	22 IN	(1) #5	
20°	120 MPH	30 PSF	20.62 PSF	5.00 FT	ProfiPlusXT	0.34 KIP	1.41 KIP	0.00 KIP	1.56 KIP	1.10 KIP	0.71 KIP	28	21 IN	(1) #5	
		40 PSF	27.49 PSF	5.00 FT	ProfiPlusXT	0.34 KIP	1.70 KIP	0.00 KIP	1.56 KIP	1.30 KIP	0.71 KIP	28	21 IN	(1) #5	
		50 PSF	34.36 PSF	5.00 FT	ProfiPlusXT	0.34 KIP	1.98 KIP	0.00 KIP	1.56 KIP	1.50 KIP	0.71 KIP	28	21 IN	(1) #5	
		60 PSF	41.24 PSF	5.00 FT	ProfiPlusXT	0.34 KIP	2.26 KIP	0.00 KIP	1.56 KIP	1.70 KIP	0.71 KIP	28	21 IN	(1) #5	
		0 PSF	0.00 PSF	4.25 FT	ProfiPlus	0.35 KIP	1.02 KIP	0.00 KIP	1.58 KIP	0.90 KIP	0.72 KIP	39	22 IN	(1) #5	
		10 PSF	6.87 PSF	4.25 FT	ProfiPlus	0.35 KIP	1.09 KIP	0.00 KIP	1.58 KIP	0.95 KIP	0.72 KIP	39	22 IN	(1) #5	
	130 MPH	20 PSF	13.75 PSF	4.25 FT	ProfiPlus	0.35 KIP	1.17 KIP	0.00 KIP	1.58 KIP	1.00 KIP	0.72 KIP	39	22 IN	(1) #5	
		30 PSF	20.62 PSF	4.25 FT	ProfiPlus	0.35 KIP	1.28 KIP	0.00 KIP	1.58 KIP	1.06 KIP	0.72 KIP	39	22 IN	(1) #5	
		40 PSF	27.49 PSF	4.25 FT	ProfiPlus	0.35 KIP	1.52 KIP	0.00 KIP	1.58 KIP	1.17 KIP	0.72 KIP	39	22 IN	(1) #5	
		50 PSF	34.36 PSF	4.25 FT	ProfiPlus	0.35 KIP	1.76 KIP	0.00 KIP	1.58 KIP	1.34 KIP	0.72 KIP	39	22 IN	(1) #5	
		60 PSF	41.24 PSF	4.25 FT	ProfiPlus	0.35 KIP	2.00 KIP	0.00 KIP	1.58 KIP	1.51 KIP	0.72 KIP	39	22 IN	(1) #5	
		0 PSF	0.00 PSF	3.50 FT	ProfiPlus	0.35 KIP	0.97 KIP	0.00 KIP	1.52 KIP	0.84 KIP	0.68 KIP	66	21 IN	(1) #5	
20°	130 MPH	10 PSF	6.87 PSF	3.50 FT	ProfiPlus	0.35 KIP	1.03 KIP	0.00 KIP	1.52 KIP	0.89 KIP	0.68 KIP	66	21 IN	(1) #5	
		20 PSF	13.75 PSF	3.50 FT	ProfiPlus	0.35 KIP	1.09 KIP	0.00 KIP	1.52 KIP	0.93 KIP	0.68 KIP	66	21 IN	(1) #5	
		30 PSF	20.62 PSF	3.50 FT	ProfiPlus	0.35 KIP	1.16 KIP	0.00 KIP	1.52 KIP	0.97 KIP	0.68 KIP	66	21 IN	(1) #5	
		40 PSF	27.49 PSF	3.50 FT	ProfiPlus	0.32 KIP	1.22 KIP	0.00 KIP	1.40 KIP	0.94 KIP	0.62 KIP	65	19 IN	(1) #5	
		50 PSF	34.36 PSF	3.50 FT	ProfiPlus	0.32 KIP	1.41 KIP	0.00 KIP	1.40 KIP	1.05 KIP	0.62 KIP	65	19 IN	(1) #5	
		60 PSF	41.24 PSF	3.50 FT	ProfiPlus	0.32 KIP	1.59 KIP	0.00 KIP	1.40 KIP	1.18 KIP	0.62 KIP	65	19 IN	(1) #5	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----

Tilt	C _s
15°	1.00
20°	0.91
25°	0.82
30°	0.73
35°	0.64

TILT	MAX WIND	ASCE 7-05													# OF REBAR
		GROUND SNOW	SLOPED ROOF SNOW	MAX SPAN	PURLIN TYPE	FRONT CONNECTION			REAR CONNECTION			BAYS BETWEEN		BALLAST WIDTH	
						TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR	CROSS BRACING			
85 MPH	0 PSF	0.00 PSF	8.50 FT	ProfilPlus	0.14 KIP	1.00 KIP	0.00 KIP	1.73 KIP	1.10 KIP	0.93 KIP	12	22 IN	(1) #5		
	10 PSF	6.19 PSF	8.50 FT	ProfilPlus	0.14 KIP	1.13 KIP	0.00 KIP	1.73 KIP	1.19 KIP	0.93 KIP	12	22 IN	(1) #5		
	20 PSF	12.37 PSF	8.50 FT	ProfilPlus	0.14 KIP	1.45 KIP	0.00 KIP	1.73 KIP	1.29 KIP	0.93 KIP	12	22 IN	(1) #5		
	30 PSF	18.56 PSF	8.50 FT	ProfilPlusXT	0.14 KIP	1.88 KIP	0.01 KIP	1.73 KIP	1.54 KIP	0.93 KIP	12	22 IN	(1) #5		
	40 PSF	24.74 PSF	7.75 FT	ProfilPlusXT	0.12 KIP	2.11 KIP	0.01 KIP	1.57 KIP	1.69 KIP	0.85 KIP	14	20 IN	(1) #5		
	50 PSF	30.93 PSF	7.25 FT	ProfilPlusXT	0.12 KIP	2.34 KIP	0.01 KIP	1.47 KIP	1.84 KIP	0.79 KIP	17	19 IN	(1) #5		
	60 PSF	37.11 PSF	6.75 FT	ProfilPlusXT	0.11 KIP	2.52 KIP	0.01 KIP	1.36 KIP	1.95 KIP	0.73 KIP	21	18 IN	(1) #5		
	0 PSF	0.00 PSF	7.50 FT	ProfilPlus	0.15 KIP	0.97 KIP	0.00 KIP	1.72 KIP	1.07 KIP	0.92 KIP	17	22 IN	(1) #5		
	10 PSF	6.19 PSF	7.50 FT	ProfilPlus	0.15 KIP	1.09 KIP	0.00 KIP	1.72 KIP	1.15 KIP	0.92 KIP	17	22 IN	(1) #5		
	20 PSF	12.37 PSF	7.50 FT	ProfilPlus	0.15 KIP	1.32 KIP	0.00 KIP	1.72 KIP	1.24 KIP	0.92 KIP	17	22 IN	(1) #5		
	30 PSF	18.56 PSF	7.50 FT	ProfilPlus	0.15 KIP	1.70 KIP	0.00 KIP	1.72 KIP	1.41 KIP	0.92 KIP	17	22 IN	(1) #5		
	40 PSF	24.74 PSF	7.50 FT	ProfilPlusXT	0.15 KIP	2.08 KIP	0.01 KIP	1.71 KIP	1.68 KIP	0.92 KIP	17	22 IN	(1) #5		
90 MPH	50 PSF	30.93 PSF	7.00 FT	ProfilPlusXT	0.14 KIP	2.30 KIP	0.01 KIP	1.59 KIP	1.82 KIP	0.86 KIP	17	21 IN	(1) #5		
	60 PSF	37.11 PSF	6.50 FT	ProfilPlusXT	0.13 KIP	2.47 KIP	0.01 KIP	1.48 KIP	1.92 KIP	0.79 KIP	21	19 IN	(1) #5		
	0 PSF	0.00 PSF	6.00 FT	ProfilPlus	0.16 KIP	0.93 KIP	0.00 KIP	1.70 KIP	1.03 KIP	0.91 KIP	21	22 IN	(1) #5		
	10 PSF	6.19 PSF	6.00 FT	ProfilPlus	0.16 KIP	1.02 KIP	0.00 KIP	1.70 KIP	1.10 KIP	0.91 KIP	21	22 IN	(1) #5		
	20 PSF	12.37 PSF	6.00 FT	ProfilPlus	0.16 KIP	1.14 KIP	0.00 KIP	1.70 KIP	1.16 KIP	0.91 KIP	21	22 IN	(1) #5		
	30 PSF	18.56 PSF	6.00 FT	ProfilPlus	0.16 KIP	1.44 KIP	0.00 KIP	1.70 KIP	1.23 KIP	0.91 KIP	21	22 IN	(1) #5		
	40 PSF	24.74 PSF	6.00 FT	ProfilPlus	0.16 KIP	1.75 KIP	0.00 KIP	1.70 KIP	1.43 KIP	0.91 KIP	21	22 IN	(1) #5		
	50 PSF	30.93 PSF	6.00 FT	ProfilPlus	0.16 KIP	2.05 KIP	0.00 KIP	1.70 KIP	1.65 KIP	0.91 KIP	21	22 IN	(1) #5		
	60 PSF	37.11 PSF	6.00 FT	ProfilPlusXT	0.16 KIP	2.36 KIP	0.01 KIP	1.69 KIP	1.85 KIP	0.90 KIP	21	22 IN	(1) #5		
	0 PSF	0.00 PSF	5.00 FT	ProfilPlus	0.18 KIP	0.92 KIP	0.00 KIP	1.71 KIP	1.01 KIP	0.91 KIP	27	22 IN	(1) #5		
	10 PSF	6.19 PSF	5.00 FT	ProfilPlus	0.18 KIP	1.00 KIP	0.00 KIP	1.71 KIP	1.07 KIP	0.91 KIP	27	22 IN	(1) #5		
	20 PSF	12.37 PSF	5.00 FT	ProfilPlus	0.18 KIP	1.08 KIP	0.00 KIP	1.71 KIP	1.13 KIP	0.91 KIP	27	22 IN	(1) #5		
110 MPH	30 PSF	18.56 PSF	5.00 FT	ProfilPlus	0.18 KIP	1.28 KIP	0.00 KIP	1.71 KIP	1.18 KIP	0.91 KIP	27	22 IN	(1) #5		
	40 PSF	24.74 PSF	5.00 FT	ProfilPlus	0.18 KIP	1.53 KIP	0.00 KIP	1.71 KIP	1.27 KIP	0.91 KIP	27	22 IN	(1) #5		
	50 PSF	30.93 PSF	5.00 FT	ProfilPlus	0.18 KIP	1.78 KIP	0.00 KIP	1.71 KIP	1.45 KIP	0.91 KIP	27	22 IN	(1) #5		
	60 PSF	37.11 PSF	5.00 FT	ProfilPlus	0.18 KIP	2.04 KIP	0.00 KIP	1.71 KIP	1.62 KIP	0.91 KIP	27	22 IN	(1) #5		
	0 PSF	0.00 PSF	4.00 FT	ProfilPlus	0.18 KIP	0.86 KIP	0.00 KIP	1.62 KIP	0.94 KIP	0.85 KIP	38	21 IN	(1) #5		
	10 PSF	6.19 PSF	4.00 FT	ProfilPlus	0.18 KIP	0.92 KIP	0.00 KIP	1.62 KIP	0.99 KIP	0.85 KIP	38	21 IN	(1) #5		
	20 PSF	12.37 PSF	4.00 FT	ProfilPlus	0.18 KIP	0.99 KIP	0.00 KIP	1.62 KIP	1.03 KIP	0.85 KIP	38	21 IN	(1) #5		
	30 PSF	18.56 PSF	4.00 FT	ProfilPlus	0.18 KIP	1.09 KIP	0.00 KIP	1.62 KIP	1.07 KIP	0.85 KIP	38	21 IN	(1) #5		
	40 PSF	24.74 PSF	4.00 FT	ProfilPlus	0.18 KIP	1.29 KIP	0.00 KIP	1.62 KIP	1.12 KIP	0.85 KIP	38	21 IN	(1) #5		
	50 PSF	30.93 PSF	4.00 FT	ProfilPlus	0.18 KIP	1.49 KIP	0.00 KIP	1.62 KIP	1.21 KIP	0.85 KIP	38	21 IN	(1) #5		
	60 PSF	37.11 PSF	4.00 FT	ProfilPlus	0.18 KIP	1.70 KIP	0.00 KIP	1.62 KIP	1.35 KIP	0.85 KIP	38	21 IN	(1) #5		
	130 MPH	0 PSF	0.00 PSF	3.50 FT	ProfilPlus	0.19 KIP	0.87 KIP	0.00 KIP	1.65 KIP	0.95 KIP	0.86 KIP	62	22 IN	(1) #5	
10 PSF		6.19 PSF	3.50 FT	ProfilPlus	0.19 KIP	0.93 KIP	0.00 KIP	1.65 KIP	0.98 KIP	0.86 KIP	62	22 IN	(1) #5		
20 PSF		12.37 PSF	3.50 FT	ProfilPlus	0.19 KIP	0.98 KIP	0.00 KIP	1.65 KIP	1.02 KIP	0.86 KIP	62	22 IN	(1) #5		
30 PSF		18.56 PSF	3.50 FT	ProfilPlusXT	0.19 KIP	1.04 KIP	0.00 KIP	1.65 KIP	1.06 KIP	0.86 KIP	62	22 IN	(1) #5		
40 PSF		24.74 PSF	3.50 FT	ProfilPlusXT	0.19 KIP	1.18 KIP	0.00 KIP	1.63 KIP	1.08 KIP	0.84 KIP	62	21 IN	(1) #5		
50 PSF		30.93 PSF	3.50 FT	ProfilPlusXT	0.19 KIP	1.36 KIP	0.00 KIP	1.63 KIP	1.12 KIP	0.84 KIP	62	21 IN	(1) #5		
60 PSF		37.11 PSF	3.50 FT	ProfilPlusXT	0.19 KIP	1.54 KIP	0.00 KIP	1.63 KIP	1.21 KIP	0.84 KIP	62	21 IN	(1) #5		

ASCE 7-05 W/ SEISMIC DESIGN															
TILT	MAX WIND	GROUND SNOW	SLOPED ROOF SNOW	MAX SPAN	PURLIN TYPE	FRONT CONNECTION			REAR CONNECTION			BAYS BETWEEN CROSS BRACING		BALLAST WIDTH	# OF REBAR
						TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR				
85 MPH		0 PSF	0.00 PSF	8.50 FT	ProfilPlus	0.14 KIP	1.00 KIP	0.05 KIP	1.73 KIP	1.10 KIP	0.93 KIP	10	22 IN	(1) #5	
		10 PSF	6.19 PSF	8.50 FT	ProfilPlus	0.14 KIP	1.13 KIP	0.05 KIP	1.73 KIP	1.19 KIP	0.93 KIP	10	22 IN	(1) #5	
		20 PSF	12.37 PSF	8.50 FT	ProfilPlus	0.14 KIP	1.45 KIP	0.05 KIP	1.73 KIP	1.29 KIP	0.93 KIP	10	22 IN	(1) #5	
		30 PSF	18.56 PSF	8.50 FT	ProfilPlusXT	0.14 KIP	1.88 KIP	0.05 KIP	1.73 KIP	1.54 KIP	0.93 KIP	10	22 IN	(1) #5	
		40 PSF	24.74 PSF	7.75 FT	ProfilPlusXT	0.13 KIP	2.11 KIP	0.11 KIP	1.57 KIP	1.69 KIP	0.85 KIP	9	27 IN	(2) #5	
		50 PSF	30.93 PSF	7.25 FT	ProfilPlusXT	0.12 KIP	2.34 KIP	0.12 KIP	1.47 KIP	1.84 KIP	0.90 KIP	10	29 IN	(2) #5	
		60 PSF	37.11 PSF	6.75 FT	ProfilPlusXT	0.11 KIP	2.52 KIP	0.12 KIP	1.36 KIP	1.95 KIP	0.96 KIP	10	30 IN	(2) #5	
		0 PSF	0.00 PSF	7.50 FT	ProfilPlus	0.15 KIP	0.97 KIP	0.04 KIP	1.72 KIP	1.07 KIP	0.92 KIP	11	22 IN	(1) #5	
		10 PSF	6.19 PSF	7.50 FT	ProfilPlus	0.15 KIP	1.09 KIP	0.04 KIP	1.72 KIP	1.15 KIP	0.92 KIP	11	22 IN	(1) #5	
		20 PSF	12.37 PSF	7.50 FT	ProfilPlus	0.15 KIP	1.32 KIP	0.04 KIP	1.72 KIP	1.24 KIP	0.92 KIP	11	22 IN	(1) #5	
90 MPH		30 PSF	18.56 PSF	7.50 FT	ProfilPlus	0.15 KIP	1.70 KIP	0.04 KIP	1.72 KIP	1.41 KIP	0.92 KIP	11	22 IN	(1) #5	
		40 PSF	24.74 PSF	7.50 FT	ProfilPlusXT	0.15 KIP	2.08 KIP	0.11 KIP	1.71 KIP	1.68 KIP	0.92 KIP	9	27 IN	(2) #5	
		50 PSF	30.93 PSF	7.00 FT	ProfilPlusXT	0.14 KIP	2.30 KIP	0.12 KIP	1.59 KIP	1.82 KIP	0.87 KIP	10	28 IN	(2) #5	
		60 PSF	37.11 PSF	6.50 FT	ProfilPlusXT	0.13 KIP	2.47 KIP	0.12 KIP	1.48 KIP	1.92 KIP	0.92 KIP	11	29 IN	(2) #5	
		0 PSF	0.00 PSF	6.00 FT	ProfilPlus	0.16 KIP	0.93 KIP	0.03 KIP	1.70 KIP	1.03 KIP	0.91 KIP	15	22 IN	(1) #5	
		10 PSF	6.19 PSF	6.00 FT	ProfilPlus	0.16 KIP	1.02 KIP	0.03 KIP	1.70 KIP	1.10 KIP	0.91 KIP	15	22 IN	(1) #5	
		20 PSF	12.37 PSF	6.00 FT	ProfilPlus	0.16 KIP	1.14 KIP	0.03 KIP	1.70 KIP	1.16 KIP	0.91 KIP	15	22 IN	(1) #5	
		30 PSF	18.56 PSF	6.00 FT	ProfilPlus	0.16 KIP	1.44 KIP	0.03 KIP	1.70 KIP	1.23 KIP	0.91 KIP	15	22 IN	(1) #5	
		40 PSF	24.74 PSF	6.00 FT	ProfilPlus	0.16 KIP	1.75 KIP	0.09 KIP	1.70 KIP	1.43 KIP	0.91 KIP	12	24 IN	(2) #5	
		50 PSF	30.93 PSF	6.00 FT	ProfilPlus	0.16 KIP	2.05 KIP	0.10 KIP	1.70 KIP	1.65 KIP	0.91 KIP	12	27 IN	(2) #5	
25°		60 PSF	37.11 PSF	6.00 FT	ProfilPlusXT	0.16 KIP	2.36 KIP	0.11 KIP	1.69 KIP	1.85 KIP	0.90 KIP	11	29 IN	(2) #5	
		0 PSF	0.00 PSF	5.00 FT	ProfilPlus	0.18 KIP	0.92 KIP	0.03 KIP	1.71 KIP	1.01 KIP	0.91 KIP	19	22 IN	(1) #5	
		10 PSF	6.19 PSF	5.00 FT	ProfilPlus	0.18 KIP	1.00 KIP	0.03 KIP	1.71 KIP	1.07 KIP	0.91 KIP	19	22 IN	(1) #5	
		20 PSF	12.37 PSF	5.00 FT	ProfilPlus	0.18 KIP	1.08 KIP	0.03 KIP	1.71 KIP	1.13 KIP	0.91 KIP	19	22 IN	(1) #5	
		30 PSF	18.56 PSF	5.00 FT	ProfilPlus	0.18 KIP	1.28 KIP	0.03 KIP	1.71 KIP	1.18 KIP	0.91 KIP	19	22 IN	(1) #5	
		40 PSF	24.74 PSF	5.00 FT	ProfilPlus	0.18 KIP	1.53 KIP	0.07 KIP	1.71 KIP	1.27 KIP	0.91 KIP	15	23 IN	(1) #5	
		50 PSF	30.93 PSF	5.00 FT	ProfilPlus	0.18 KIP	1.78 KIP	0.08 KIP	1.71 KIP	1.45 KIP	0.91 KIP	14	25 IN	(2) #5	
		60 PSF	37.11 PSF	5.00 FT	ProfilPlus	0.18 KIP	2.04 KIP	0.09 KIP	1.71 KIP	1.62 KIP	0.91 KIP	14	27 IN	(2) #5	
		0 PSF	0.00 PSF	4.00 FT	ProfilPlus	0.18 KIP	0.86 KIP	0.02 KIP	1.62 KIP	0.94 KIP	0.85 KIP	24	21 IN	(1) #5	
		10 PSF	6.19 PSF	4.00 FT	ProfilPlus	0.18 KIP	0.92 KIP	0.02 KIP	1.62 KIP	0.99 KIP	0.85 KIP	24	21 IN	(1) #5	
120 MPH		20 PSF	12.37 PSF	4.00 FT	ProfilPlus	0.18 KIP	0.99 KIP	0.02 KIP	1.62 KIP	1.03 KIP	0.85 KIP	24	21 IN	(1) #5	
		30 PSF	18.56 PSF	4.00 FT	ProfilPlus	0.18 KIP	1.09 KIP	0.02 KIP	1.62 KIP	1.07 KIP	0.85 KIP	24	21 IN	(1) #5	
		40 PSF	24.74 PSF	4.00 FT	ProfilPlus	0.18 KIP	1.29 KIP	0.05 KIP	1.62 KIP	1.12 KIP	0.85 KIP	19	21 IN	(1) #5	
		50 PSF	30.93 PSF	4.00 FT	ProfilPlus	0.18 KIP	1.49 KIP	0.06 KIP	1.62 KIP	1.21 KIP	0.85 KIP	18	23 IN	(1) #5	
		60 PSF	37.11 PSF	4.00 FT	ProfilPlus	0.18 KIP	1.70 KIP	0.07 KIP	1.62 KIP	1.35 KIP	0.85 KIP	17	24 IN	(2) #5	
		0 PSF	0.00 PSF	3.50 FT	ProfilPlus	0.19 KIP	0.87 KIP	0.02 KIP	1.65 KIP	0.95 KIP	0.86 KIP	34	22 IN	(1) #5	
		10 PSF	6.19 PSF	3.50 FT	ProfilPlus	0.19 KIP	0.93 KIP	0.02 KIP	1.65 KIP	0.98 KIP	0.86 KIP	34	22 IN	(1) #5	
		20 PSF	12.37 PSF	3.50 FT	ProfilPlus	0.19 KIP	0.98 KIP	0.02 KIP	1.65 KIP	1.02 KIP	0.86 KIP	34	22 IN	(1) #5	
		30 PSF	18.56 PSF	3.50 FT	ProfilPlus	0.19 KIP	1.04 KIP	0.02 KIP	1.65 KIP	1.06 KIP	0.86 KIP	34	22 IN	(1) #5	
		40 PSF	24.74 PSF	3.50 FT	ProfilPlusXT	0.19 KIP	1.18 KIP	0.04 KIP	1.63 KIP	1.08 KIP	0.84 KIP	25	21 IN	(1) #5	
130 MPH		50 PSF	30.93 PSF	3.50 FT	ProfilPlusXT	0.19 KIP	1.36 KIP	0.05 KIP	1.63 KIP	1.12 KIP	0.84 KIP	23	22 IN	(1) #5	
		60 PSF	37.11 PSF	3.50 FT	ProfilPlusXT	0.19 KIP	1.54 KIP	0.06 KIP	1.63 KIP	1.21 KIP	0.84 KIP	22	23 IN	(1) #5	

ASCE 7-10														
TILT	MAX WIND	GROUND SNOW	SLOPED ROOF SNOW	MAX SPAN	PURLIN TYPE	FRONT CONNECTION			REAR CONNECTION			BAYS BETWEEN CROSS BRACING	BALLAST WIDTH	# OF REBAR
						TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR			
110 MPH		0 PSF	0.00 PSF	8.00 FT	ProfilPlus	0.15 KIP	0.98 KIP	0.00 KIP	1.71 KIP	1.07 KIP	0.92 KIP	14	21 IN	(1)#5
		10 PSF	6.19 PSF	8.00 FT	ProfilPlus	0.15 KIP	1.10 KIP	0.00 KIP	1.71 KIP	1.16 KIP	0.92 KIP	14	21 IN	(1)#5
		20 PSF	12.37 PSF	8.00 FT	ProfilPlus	0.15 KIP	1.38 KIP	0.00 KIP	1.71 KIP	1.26 KIP	0.92 KIP	14	21 IN	(1)#5
		30 PSF	18.56 PSF	8.00 FT	ProfilPlusXT	0.15 KIP	1.79 KIP	0.01 KIP	1.70 KIP	1.47 KIP	0.92 KIP	14	21 IN	(1)#5
		40 PSF	24.74 PSF	7.75 FT	ProfilPlusXT	0.14 KIP	2.12 KIP	0.01 KIP	1.65 KIP	1.71 KIP	0.89 KIP	14	20 IN	(1)#5
		50 PSF	30.93 PSF	7.00 FT	ProfilPlusXT	0.13 KIP	2.27 KIP	0.01 KIP	1.48 KIP	1.79 KIP	0.80 KIP	17	18 IN	(1)#5
		60 PSF	37.11 PSF	6.50 FT	ProfilPlusXT	0.12 KIP	2.44 KIP	0.01 KIP	1.38 KIP	1.89 KIP	0.74 KIP	21	17 IN	(1)#5
		0 PSF	0.00 PSF	7.25 FT	ProfilPlus	0.15 KIP	0.95 KIP	0.00 KIP	1.69 KIP	1.05 KIP	0.91 KIP	17	21 IN	(1)#5
		10 PSF	6.19 PSF	7.25 FT	ProfilPlus	0.15 KIP	1.07 KIP	0.00 KIP	1.69 KIP	1.13 KIP	0.91 KIP	17	21 IN	(1)#5
		20 PSF	12.37 PSF	7.25 FT	ProfilPlus	0.15 KIP	1.29 KIP	0.00 KIP	1.69 KIP	1.22 KIP	0.91 KIP	17	21 IN	(1)#5
115 MPH		30 PSF	18.56 PSF	7.25 FT	ProfilPlus	0.15 KIP	1.65 KIP	0.00 KIP	1.69 KIP	1.38 KIP	0.91 KIP	17	21 IN	(1)#5
		40 PSF	24.74 PSF	7.25 FT	ProfilPlusXT	0.15 KIP	2.02 KIP	0.01 KIP	1.69 KIP	1.63 KIP	0.91 KIP	17	21 IN	(1)#5
		50 PSF	30.93 PSF	7.00 FT	ProfilPlusXT	0.15 KIP	2.31 KIP	0.01 KIP	1.63 KIP	1.83 KIP	0.87 KIP	17	20 IN	(1)#5
		60 PSF	37.11 PSF	6.50 FT	ProfilPlusXT	0.14 KIP	2.47 KIP	0.01 KIP	1.51 KIP	1.93 KIP	0.81 KIP	21	19 IN	(1)#5
		0 PSF	0.00 PSF	5.75 FT	ProfilPlusXT	0.17 KIP	0.93 KIP	0.00 KIP	1.71 KIP	1.03 KIP	0.91 KIP	28	21 IN	(1)#5
		10 PSF	6.19 PSF	5.75 FT	ProfilPlusXT	0.17 KIP	1.02 KIP	0.00 KIP	1.71 KIP	1.10 KIP	0.91 KIP	28	21 IN	(1)#5
		20 PSF	12.37 PSF	5.75 FT	ProfilPlusXT	0.17 KIP	1.11 KIP	0.00 KIP	1.71 KIP	1.16 KIP	0.91 KIP	28	21 IN	(1)#5
		30 PSF	18.56 PSF	5.75 FT	ProfilPlusXT	0.17 KIP	1.41 KIP	0.00 KIP	1.71 KIP	1.23 KIP	0.91 KIP	28	21 IN	(1)#5
		40 PSF	24.74 PSF	5.75 FT	ProfilPlusXT	0.17 KIP	1.70 KIP	0.00 KIP	1.71 KIP	1.39 KIP	0.91 KIP	28	21 IN	(1)#5
		50 PSF	30.93 PSF	5.75 FT	ProfilPlusXT	0.17 KIP	1.99 KIP	0.00 KIP	1.71 KIP	1.59 KIP	0.91 KIP	28	21 IN	(1)#5
25° 130 MPH		60 PSF	37.11 PSF	5.75 FT	ProfilPlusXT	0.17 KIP	2.28 KIP	0.00 KIP	1.71 KIP	1.80 KIP	0.91 KIP	28	21 IN	(1)#5
		0 PSF	0.00 PSF	4.75 FT	ProfilPlus	0.17 KIP	0.88 KIP	0.00 KIP	1.65 KIP	0.97 KIP	0.87 KIP	39	21 IN	(1)#5
		10 PSF	6.19 PSF	4.75 FT	ProfilPlus	0.17 KIP	0.96 KIP	0.00 KIP	1.65 KIP	1.03 KIP	0.87 KIP	39	21 IN	(1)#5
		20 PSF	12.37 PSF	4.75 FT	ProfilPlus	0.17 KIP	1.03 KIP	0.00 KIP	1.65 KIP	1.08 KIP	0.87 KIP	39	21 IN	(1)#5
		30 PSF	18.56 PSF	4.75 FT	ProfilPlus	0.17 KIP	1.22 KIP	0.00 KIP	1.65 KIP	1.13 KIP	0.87 KIP	39	21 IN	(1)#5
		40 PSF	24.74 PSF	4.75 FT	ProfilPlus	0.17 KIP	1.46 KIP	0.00 KIP	1.65 KIP	1.21 KIP	0.87 KIP	39	21 IN	(1)#5
		50 PSF	30.93 PSF	4.75 FT	ProfilPlus	0.17 KIP	1.70 KIP	0.00 KIP	1.65 KIP	1.38 KIP	0.87 KIP	39	21 IN	(1)#5
		60 PSF	37.11 PSF	4.75 FT	ProfilPlus	0.17 KIP	1.94 KIP	0.00 KIP	1.65 KIP	1.55 KIP	0.87 KIP	39	21 IN	(1)#5
		0 PSF	0.00 PSF	4.25 FT	ProfilPlus	0.18 KIP	0.89 KIP	0.00 KIP	1.69 KIP	0.98 KIP	0.89 KIP	38	21 IN	(1)#5
		10 PSF	6.19 PSF	4.25 FT	ProfilPlus	0.18 KIP	0.96 KIP	0.00 KIP	1.69 KIP	1.03 KIP	0.89 KIP	38	21 IN	(1)#5
150 MPH		20 PSF	12.37 PSF	4.25 FT	ProfilPlus	0.18 KIP	1.03 KIP	0.00 KIP	1.69 KIP	1.08 KIP	0.89 KIP	38	21 IN	(1)#5
		30 PSF	18.56 PSF	4.25 FT	ProfilPlus	0.18 KIP	1.14 KIP	0.00 KIP	1.69 KIP	1.12 KIP	0.89 KIP	38	21 IN	(1)#5
		40 PSF	24.74 PSF	4.25 FT	ProfilPlus	0.18 KIP	1.36 KIP	0.00 KIP	1.69 KIP	1.17 KIP	0.89 KIP	38	21 IN	(1)#5
		50 PSF	30.93 PSF	4.25 FT	ProfilPlus	0.18 KIP	1.58 KIP	0.00 KIP	1.69 KIP	1.28 KIP	0.89 KIP	38	21 IN	(1)#5
		60 PSF	37.11 PSF	4.25 FT	ProfilPlus	0.18 KIP	1.79 KIP	0.00 KIP	1.69 KIP	1.43 KIP	0.89 KIP	38	21 IN	(1)#5
		0 PSF	0.00 PSF	3.50 FT	ProfilPlus	0.18 KIP	0.83 KIP	0.00 KIP	1.56 KIP	0.90 KIP	0.81 KIP	63	20 IN	(1)#5
		10 PSF	6.19 PSF	3.50 FT	ProfilPlus	0.18 KIP	0.88 KIP	0.00 KIP	1.56 KIP	0.94 KIP	0.81 KIP	63	20 IN	(1)#5
		20 PSF	12.37 PSF	3.50 FT	ProfilPlus	0.18 KIP	0.94 KIP	0.00 KIP	1.56 KIP	0.97 KIP	0.81 KIP	63	20 IN	(1)#5
		30 PSF	18.56 PSF	3.50 FT	ProfilPlus	0.18 KIP	0.99 KIP	0.00 KIP	1.56 KIP	1.01 KIP	0.81 KIP	63	20 IN	(1)#5
		40 PSF	24.74 PSF	3.50 FT	ProfilPlus	0.18 KIP	1.17 KIP	0.00 KIP	1.56 KIP	1.05 KIP	0.81 KIP	63	20 IN	(1)#5
160 MPH		50 PSF	30.93 PSF	3.50 FT	ProfilPlus	0.18 KIP	1.35 KIP	0.00 KIP	1.56 KIP	1.09 KIP	0.81 KIP	63	20 IN	(1)#5
		60 PSF	37.11 PSF	3.50 FT	ProfilPlus	0.18 KIP	1.53 KIP	0.00 KIP	1.56 KIP	1.21 KIP	0.81 KIP	63	20 IN	(1)#5

ASCE 7-10 W SEISMIC DESIGN														
TILT	MAX WIND	GROUND SNOW	SLOPED ROOF SNOW	MAX SPAN	PURLIN TYPE	FRONT CONNECTION			REAR CONNECTION			BAYS BETWEEN CROSS BRACING	BALLAST WIDTH	# OF REBAR
						TENSION	COMPRESSION	WEAR	TENSION	COMPRESSION	WEAR			
110 MPH		0 PSF	0.00 PSF	8.00 FT	ProfilPlus	0.15 KIP	0.98 KIP	0.05 KIP	1.71 KIP	1.07 KIP	0.92 KIP	11	21 IN	(1) #5
		10 PSF	6.19 PSF	8.00 FT	ProfilPlus	0.15 KIP	1.10 KIP	0.05 KIP	1.71 KIP	1.16 KIP	0.92 KIP	11	21 IN	(1) #5
		20 PSF	12.37 PSF	8.00 FT	ProfilPlus	0.15 KIP	1.38 KIP	0.05 KIP	1.71 KIP	1.26 KIP	0.92 KIP	11	21 IN	(1) #5
		30 PSF	18.56 PSF	8.00 FT	ProfilPlusXT	0.15 KIP	1.79 KIP	0.04 KIP	1.70 KIP	1.47 KIP	0.92 KIP	11	21 IN	(1) #5
		40 PSF	24.74 PSF	7.75 FT	ProfilPlusXT	0.14 KIP	2.12 KIP	0.11 KIP	1.65 KIP	1.71 KIP	0.89 KIP	9	27 IN	(2) #5
		50 PSF	30.93 PSF	7.00 FT	ProfilPlusXT	0.13 KIP	2.27 KIP	0.12 KIP	1.48 KIP	1.79 KIP	0.87 KIP	10	28 IN	(2) #5
		60 PSF	37.11 PSF	6.50 FT	ProfilPlusXT	0.12 KIP	2.44 KIP	0.12 KIP	1.38 KIP	1.89 KIP	0.92 KIP	11	29 IN	(2) #5
		0 PSF	0.00 PSF	7.25 FT	ProfilPlus	0.15 KIP	0.95 KIP	0.04 KIP	1.69 KIP	1.05 KIP	0.91 KIP	13	21 IN	(1) #5
		10 PSF	6.19 PSF	7.25 FT	ProfilPlus	0.15 KIP	1.07 KIP	0.04 KIP	1.69 KIP	1.13 KIP	0.91 KIP	13	21 IN	(1) #5
		20 PSF	12.37 PSF	7.25 FT	ProfilPlus	0.15 KIP	1.29 KIP	0.04 KIP	1.69 KIP	1.22 KIP	0.91 KIP	13	21 IN	(1) #5
115 MPH		30 PSF	18.56 PSF	7.25 FT	ProfilPlus	0.15 KIP	1.65 KIP	0.04 KIP	1.69 KIP	1.38 KIP	0.91 KIP	13	21 IN	(1) #5
		40 PSF	24.74 PSF	7.25 FT	ProfilPlusXT	0.15 KIP	2.02 KIP	0.10 KIP	1.69 KIP	1.63 KIP	0.91 KIP	10	26 IN	(2) #5
		50 PSF	30.93 PSF	7.00 FT	ProfilPlusXT	0.15 KIP	2.31 KIP	0.12 KIP	1.63 KIP	1.83 KIP	0.87 KIP	10	28 IN	(2) #5
		60 PSF	37.11 PSF	6.50 FT	ProfilPlusXT	0.14 KIP	2.47 KIP	0.12 KIP	1.51 KIP	1.93 KIP	0.92 KIP	11	29 IN	(2) #5
		0 PSF	0.00 PSF	5.75 FT	ProfilPlusXT	0.17 KIP	0.93 KIP	0.03 KIP	1.71 KIP	1.03 KIP	0.91 KIP	18	21 IN	(1) #5
		10 PSF	6.19 PSF	5.75 FT	ProfilPlusXT	0.17 KIP	1.02 KIP	0.03 KIP	1.71 KIP	1.10 KIP	0.91 KIP	18	21 IN	(1) #5
		20 PSF	12.37 PSF	5.75 FT	ProfilPlusXT	0.17 KIP	1.11 KIP	0.03 KIP	1.71 KIP	1.16 KIP	0.91 KIP	18	21 IN	(1) #5
		30 PSF	18.56 PSF	5.75 FT	ProfilPlusXT	0.17 KIP	1.41 KIP	0.03 KIP	1.71 KIP	1.23 KIP	0.91 KIP	18	21 IN	(1) #5
		40 PSF	24.74 PSF	5.75 FT	ProfilPlusXT	0.17 KIP	1.70 KIP	0.08 KIP	1.71 KIP	1.39 KIP	0.91 KIP	14	24 IN	(2) #5
		50 PSF	30.93 PSF	5.75 FT	ProfilPlusXT	0.17 KIP	1.99 KIP	0.09 KIP	1.71 KIP	1.59 KIP	0.91 KIP	14	26 IN	(2) #5
25°		60 PSF	37.11 PSF	5.75 FT	ProfilPlusXT	0.17 KIP	2.28 KIP	0.10 KIP	1.71 KIP	1.80 KIP	0.91 KIP	13	28 IN	(2) #5
		0 PSF	0.00 PSF	4.75 FT	ProfilPlus	0.17 KIP	0.88 KIP	0.03 KIP	1.65 KIP	0.97 KIP	0.87 KIP	24	21 IN	(1) #5
		10 PSF	6.19 PSF	4.75 FT	ProfilPlus	0.17 KIP	0.96 KIP	0.03 KIP	1.65 KIP	1.03 KIP	0.87 KIP	24	21 IN	(1) #5
		20 PSF	12.37 PSF	4.75 FT	ProfilPlus	0.17 KIP	1.03 KIP	0.03 KIP	1.65 KIP	1.08 KIP	0.87 KIP	24	21 IN	(1) #5
		30 PSF	18.56 PSF	4.75 FT	ProfilPlus	0.17 KIP	1.22 KIP	0.03 KIP	1.65 KIP	1.13 KIP	0.87 KIP	24	21 IN	(1) #5
		40 PSF	24.74 PSF	4.75 FT	ProfilPlus	0.17 KIP	1.46 KIP	0.07 KIP	1.65 KIP	1.21 KIP	0.87 KIP	18	22 IN	(1) #5
		50 PSF	30.93 PSF	4.75 FT	ProfilPlus	0.17 KIP	1.70 KIP	0.08 KIP	1.65 KIP	1.38 KIP	0.87 KIP	17	24 IN	(2) #5
		60 PSF	37.11 PSF	4.75 FT	ProfilPlus	0.17 KIP	1.94 KIP	0.09 KIP	1.65 KIP	1.55 KIP	0.87 KIP	16	26 IN	(2) #5
		0 PSF	0.00 PSF	4.25 FT	ProfilPlus	0.18 KIP	0.89 KIP	0.02 KIP	1.69 KIP	0.98 KIP	0.89 KIP	24	21 IN	(1) #5
		10 PSF	6.19 PSF	4.25 FT	ProfilPlus	0.18 KIP	0.96 KIP	0.02 KIP	1.69 KIP	1.03 KIP	0.89 KIP	24	21 IN	(1) #5
150 MPH		20 PSF	12.37 PSF	4.25 FT	ProfilPlus	0.18 KIP	1.03 KIP	0.02 KIP	1.69 KIP	1.08 KIP	0.89 KIP	24	21 IN	(1) #5
		30 PSF	18.56 PSF	4.25 FT	ProfilPlus	0.18 KIP	1.14 KIP	0.02 KIP	1.69 KIP	1.12 KIP	0.89 KIP	24	21 IN	(1) #5
		40 PSF	24.74 PSF	4.25 FT	ProfilPlus	0.18 KIP	1.36 KIP	0.06 KIP	1.69 KIP	1.17 KIP	0.89 KIP	19	21 IN	(1) #5
		50 PSF	30.93 PSF	4.25 FT	ProfilPlus	0.18 KIP	1.58 KIP	0.07 KIP	1.69 KIP	1.28 KIP	0.89 KIP	18	23 IN	(1) #5
		60 PSF	37.11 PSF	4.25 FT	ProfilPlus	0.18 KIP	1.79 KIP	0.08 KIP	1.69 KIP	1.43 KIP	0.89 KIP	17	25 IN	(2) #5
		0 PSF	0.00 PSF	3.50 FT	ProfilPlus	0.18 KIP	0.83 KIP	0.02 KIP	1.56 KIP	0.90 KIP	0.81 KIP	34	20 IN	(1) #5
		10 PSF	6.19 PSF	3.50 FT	ProfilPlus	0.18 KIP	0.88 KIP	0.02 KIP	1.56 KIP	0.94 KIP	0.81 KIP	34	20 IN	(1) #5
		20 PSF	12.37 PSF	3.50 FT	ProfilPlus	0.18 KIP	0.94 KIP	0.02 KIP	1.56 KIP	0.97 KIP	0.81 KIP	34	20 IN	(1) #5
		30 PSF	18.56 PSF	3.50 FT	ProfilPlus	0.18 KIP	0.99 KIP	0.02 KIP	1.56 KIP	1.01 KIP	0.81 KIP	34	20 IN	(1) #5
		40 PSF	24.74 PSF	3.50 FT	ProfilPlus	0.18 KIP	1.17 KIP	0.05 KIP	1.56 KIP	1.05 KIP	0.81 KIP	25	20 IN	(1) #5
160 MPH		50 PSF	30.93 PSF	3.50 FT	ProfilPlus	0.18 KIP	1.35 KIP	0.05 KIP	1.56 KIP	1.09 KIP	0.81 KIP	24	22 IN	(1) #5
		60 PSF	37.11 PSF	3.50 FT	ProfilPlus	0.18 KIP	1.53 KIP	0.06 KIP	1.56 KIP	1.21 KIP	0.81 KIP	22	23 IN	(1) #5

NO.	DRAWN:	CHECKED:	REVIEWED:	APPROVED:	REVISIONS:
0	EnriLu 9/25/2014				New Drawing
1	BushBr 4/28/2015				Note Revisions
2	BushBr 12/14/2015				Updated Load Tables
3					
4					
5					
6					
7					
8					

Client:
Schletter Inc
2201 North Forbes Boulevard
Tucson, AZ 85745



3761 E. FARNUM PLACE | TUCSON, AZ 85706
TEL: (520) 289 - 8700 | FAX: (520) 289 - 8695

EMAIL: MAIL@SCHLETTER.US
WWW.SCHLETTER.US

Standard PvMini, 60 Cell, 15° - 35°
Exterior Racking Structure
25° Snow, Wind, Alignment, Tables

ISSUED BY: SCHLETTER INC.
 PROPRIETARY AND CONFIDENTIAL

Project Site:
Schletter Solar Mounting
1001 Commerce Center Dr
Shelby, NC 28150

Drawing Number:

v.01

JOB NUMBER: V SCALE:
SHEET: 4c of 4 SEE DRAWING VIEWS

Slope Factor By Tilt	
Tilt	C _s
15°	1.00
20°	0.91
25°	0.82
30°	0.73
35°	0.64

ASCE 7-05																
TILT	MAX WIND	GROUND SNOW	SLOPED ROOF SNOW	MAX SPAN	PURLIN TYPE	FRONT CONNECTION			REAR CONNECTION			BAYS BETWEEN CROSS BRACING	BALLAST WIDTH	# OF REBAR		
						TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR					
85 MPH		0 PSF	0.00 PSF	8.00 FT	ProfiPlus	0.00 KIP	0.86 KIP	0.00 KIP	1.79 KIP	1.14 KIP	1.10 KIP	14	22 IN	(1) #5		
		10 PSF	5.50 PSF	8.00 FT	ProfiPlus	0.00 KIP	0.98 KIP	0.00 KIP	1.79 KIP	1.22 KIP	1.10 KIP	14	22 IN	(1) #5		
		20 PSF	11.00 PSF	8.00 FT	ProfiPlus	0.00 KIP	1.24 KIP	0.00 KIP	1.79 KIP	1.30 KIP	1.10 KIP	14	22 IN	(1) #5		
		30 PSF	16.49 PSF	8.00 FT	ProfiPlusXT	0.00 KIP	1.60 KIP	0.01 KIP	1.79 KIP	1.39 KIP	1.10 KIP	14	22 IN	(1) #5		
		40 PSF	21.99 PSF	7.75 FT	ProfiPlusXT	0.00 KIP	1.90 KIP	0.01 KIP	1.73 KIP	1.59 KIP	1.07 KIP	14	21 IN	(1) #5		
		50 PSF	27.49 PSF	7.25 FT	ProfiPlusXT	0.00 KIP	2.10 KIP	0.01 KIP	1.62 KIP	1.71 KIP	1.00 KIP	17	20 IN	(1) #5		
90 MPH		60 PSF	32.99 PSF	6.75 FT	ProfiPlusXT	0.00 KIP	2.26 KIP	0.01 KIP	1.50 KIP	1.80 KIP	0.92 KIP	21	24 IN	(2) #5		
		0 PSF	0.00 PSF	7.25 FT	ProfiPlus	0.01 KIP	0.86 KIP	0.00 KIP	1.83 KIP	1.15 KIP	1.12 KIP	17	22 IN	(1) #5		
		10 PSF	5.50 PSF	7.25 FT	ProfiPlus	0.01 KIP	0.96 KIP	0.00 KIP	1.83 KIP	1.22 KIP	1.12 KIP	17	22 IN	(1) #5		
		20 PSF	11.00 PSF	7.25 FT	ProfiPlus	0.01 KIP	1.16 KIP	0.00 KIP	1.83 KIP	1.29 KIP	1.12 KIP	17	22 IN	(1) #5		
		30 PSF	16.49 PSF	7.25 FT	ProfiPlus	0.01 KIP	1.48 KIP	0.00 KIP	1.83 KIP	1.36 KIP	1.12 KIP	17	22 IN	(1) #5		
		40 PSF	21.99 PSF	7.25 FT	ProfiPlusXT	0.01 KIP	1.81 KIP	0.01 KIP	1.83 KIP	1.54 KIP	1.12 KIP	17	22 IN	(1) #5		
100 MPH		50 PSF	27.49 PSF	7.25 FT	ProfiPlusXT	0.01 KIP	2.13 KIP	0.01 KIP	1.83 KIP	1.77 KIP	1.12 KIP	17	22 IN	(1) #5		
		60 PSF	32.99 PSF	6.75 FT	ProfiPlusXT	0.01 KIP	2.29 KIP	0.01 KIP	1.70 KIP	1.86 KIP	1.04 KIP	21	21 IN	(1) #5		
		0 PSF	0.00 PSF	5.75 FT	ProfiPlus	0.03 KIP	0.82 KIP	0.00 KIP	1.79 KIP	1.10 KIP	1.09 KIP	27	22 IN	(1) #5		
		10 PSF	5.50 PSF	5.75 FT	ProfiPlus	0.03 KIP	0.90 KIP	0.00 KIP	1.79 KIP	1.15 KIP	1.09 KIP	27	22 IN	(1) #5		
		20 PSF	11.00 PSF	5.75 FT	ProfiPlus	0.03 KIP	0.99 KIP	0.00 KIP	1.79 KIP	1.21 KIP	1.09 KIP	27	22 IN	(1) #5		
		30 PSF	16.49 PSF	5.75 FT	ProfiPlus	0.03 KIP	1.25 KIP	0.00 KIP	1.79 KIP	1.27 KIP	1.09 KIP	27	22 IN	(1) #5		
110 MPH		40 PSF	21.99 PSF	5.75 FT	ProfiPlus	0.03 KIP	1.51 KIP	0.00 KIP	1.79 KIP	1.32 KIP	1.09 KIP	27	22 IN	(1) #5		
		50 PSF	27.49 PSF	5.75 FT	ProfiPlus	0.03 KIP	1.77 KIP	0.00 KIP	1.79 KIP	1.49 KIP	1.09 KIP	27	22 IN	(1) #5		
		60 PSF	32.99 PSF	5.75 FT	ProfiPlus	0.03 KIP	2.03 KIP	0.01 KIP	1.79 KIP	1.67 KIP	1.09 KIP	27	22 IN	(1) #5		
		0 PSF	0.00 PSF	4.75 FT	ProfiPlus	0.04 KIP	0.80 KIP	0.00 KIP	1.78 KIP	1.07 KIP	1.08 KIP	38	22 IN	(1) #5		
		10 PSF	5.50 PSF	4.75 FT	ProfiPlus	0.04 KIP	0.87 KIP	0.00 KIP	1.78 KIP	1.12 KIP	1.08 KIP	38	22 IN	(1) #5		
		20 PSF	11.00 PSF	4.75 FT	ProfiPlus	0.04 KIP	0.93 KIP	0.00 KIP	1.78 KIP	1.16 KIP	1.08 KIP	38	22 IN	(1) #5		
120 MPH		30 PSF	16.49 PSF	4.75 FT	ProfiPlus	0.04 KIP	1.10 KIP	0.00 KIP	1.78 KIP	1.21 KIP	1.08 KIP	38	22 IN	(1) #5		
		40 PSF	21.99 PSF	4.75 FT	ProfiPlus	0.04 KIP	1.31 KIP	0.00 KIP	1.78 KIP	1.26 KIP	1.08 KIP	38	22 IN	(1) #5		
		50 PSF	27.49 PSF	4.75 FT	ProfiPlus	0.04 KIP	1.53 KIP	0.00 KIP	1.78 KIP	1.31 KIP	1.08 KIP	38	22 IN	(1) #5		
		60 PSF	32.99 PSF	4.75 FT	ProfiPlus	0.04 KIP	1.74 KIP	0.00 KIP	1.78 KIP	1.45 KIP	1.08 KIP	38	22 IN	(1) #5		
		0 PSF	0.00 PSF	3.75 FT	ProfiPlus	0.05 KIP	0.74 KIP	0.00 KIP	1.66 KIP	0.98 KIP	0.99 KIP	37	21 IN	(1) #5		
		10 PSF	5.50 PSF	3.75 FT	ProfiPlus	0.05 KIP	0.79 KIP	0.00 KIP	1.66 KIP	1.02 KIP	0.99 KIP	37	21 IN	(1) #5		
130 MPH		20 PSF	11.00 PSF	3.75 FT	ProfiPlus	0.05 KIP	0.85 KIP	0.00 KIP	1.66 KIP	1.05 KIP	0.99 KIP	37	21 IN	(1) #5		
		30 PSF	16.49 PSF	3.75 FT	ProfiPlus	0.05 KIP	0.93 KIP	0.00 KIP	1.66 KIP	1.09 KIP	0.99 KIP	37	21 IN	(1) #5		
		40 PSF	21.99 PSF	3.75 FT	ProfiPlus	0.05 KIP	1.10 KIP	0.00 KIP	1.66 KIP	1.12 KIP	0.99 KIP	37	21 IN	(1) #5		
		50 PSF	27.49 PSF	3.75 FT	ProfiPlusXT	0.05 KIP	1.27 KIP	0.00 KIP	1.63 KIP	1.14 KIP	0.98 KIP	36	20 IN	(1) #5		
		60 PSF	32.99 PSF	3.75 FT	ProfiPlusXT	0.05 KIP	1.44 KIP	0.00 KIP	1.63 KIP	1.18 KIP	0.98 KIP	36	20 IN	(1) #5		
		0 PSF	0.00 PSF	3.25 FT	ProfiPlus	0.06 KIP	0.74 KIP	0.00 KIP	1.67 KIP	0.97 KIP	0.99 KIP	58	21 IN	(1) #5		
130 MPH		10 PSF	5.50 PSF	3.25 FT	ProfiPlus	0.06 KIP	0.79 KIP	0.00 KIP	1.67 KIP	1.00 KIP	0.99 KIP	58	21 IN	(1) #5		
		20 PSF	11.00 PSF	3.25 FT	ProfiPlus	0.06 KIP	0.84 KIP	0.00 KIP	1.67 KIP	1.03 KIP	0.99 KIP	58	21 IN	(1) #5		
		30 PSF	16.49 PSF	3.25 FT	ProfiPlus	0.06 KIP	0.88 KIP	0.00 KIP	1.67 KIP	1.06 KIP	0.99 KIP	58	21 IN	(1) #5		
		40 PSF	21.99 PSF	3.25 FT	ProfiPlus	0.06 KIP	1.01 KIP	0.00 KIP	1.67 KIP	1.09 KIP	0.99 KIP	58	21 IN	(1) #5		
		50 PSF	27.49 PSF	3.25 FT	ProfiPlus	0.06 KIP	1.16 KIP	0.00 KIP	1.67 KIP	1.12 KIP	0.99 KIP	58	21 IN	(1) #5		
		60 PSF	32.99 PSF	3.25 FT	ProfiPlus	0.06 KIP	1.30 KIP	0.00 KIP	1.67 KIP	1.15 KIP	0.99 KIP	58	21 IN	(1) #5		

ASCE 7-10																
TILT	MAX WIND	GROUND SNOW	SLOPED ROOF SNOW	MAX SPAN	PURLIN TYPE	FRONT CONNECTION			REAR CONNECTION			BAYS BETWEEN CROSS BRACING	BALLAST WIDTH	# OF REBAR		
						TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR					
110 MPH		0 PSF	0.00 PSF	7.75 FT	ProfiPlus	0.01 KIP	0.87 KIP	0.00 KIP	1.82 KIP	1.15 KIP	1.12 KIP	14	21 IN	(1) #5		
		10 PSF	5.50 PSF	7.75 FT	ProfiPlus	0.01 KIP	0.98 KIP	0.00 KIP	1.82 KIP	1.23 KIP	1.12 KIP	14	21 IN	(1) #5		
		20 PSF	11.00 PSF	7.75 FT	ProfiPlus	0.01 KIP	1.21 KIP	0.00 KIP	1.82 KIP	1.31 KIP	1.12 KIP	14	21 IN	(1) #5		
		30 PSF	16.49 PSF	7.75 FT	ProfiPlusXT	0.01 KIP	1.56 KIP	0.01 KIP	1.81 KIP	1.38 KIP	1.12 KIP	14	21 IN	(1) #5		
		40 PSF	21.99 PSF	7.75 FT	ProfiPlusXT	0.01 KIP	1.91 KIP	0.01 KIP	1.81 KIP	1.61 KIP	1.12 KIP	14	21 IN	(1) #5		
		50 PSF	27.49 PSF	7.25 FT	ProfiPlusXT	0.01 KIP	2.12 KIP	0.01 KIP	1.69 KIP	1.73 KIP	1.04 KIP	17	20 IN	(1) #5		
115 MPH		60 PSF	32.99 PSF	6.75 FT	ProfiPlusXT	0.01 KIP	2.28 KIP	0.01 KIP	1.57 KIP	1.82 KIP	0.97 KIP	21	24 IN	(2) #5		
		0 PSF	0.00 PSF	7.00 FT	ProfiPlus	0.01 KIP	0.85 KIP	0.00 KIP	1.80 KIP	1.13 KIP	1.10 KIP	17	21 IN	(1) #5		
		10 PSF	5.50 PSF	7.00 FT	ProfiPlus	0.01 KIP	0.94 KIP	0.00 KIP	1.80 KIP	1.20 KIP	1.10 KIP	17	21 IN	(1) #5		
		20 PSF	11.00 PSF	7.00 FT	ProfiPlus	0.01 KIP	1.13 KIP	0.00 KIP	1.80 KIP	1.26 KIP	1.10 KIP	17	21 IN	(1) #5		
		30 PSF	16.49 PSF	7.00 FT	ProfiPlus	0.01 KIP	1.44 KIP	0.00 KIP	1.80 KIP	1.33 KIP	1.10 KIP	17	21 IN	(1) #5		
		40 PSF	21.99 PSF	7.00 FT	ProfiPlusXT	0.01 KIP	1.76 KIP	0.01 KIP	1.79 KIP	1.49 KIP	1.10 KIP	17	21 IN	(1) #5		
130 MPH		50 PSF	27.49 PSF	7.00 FT	ProfiPlusXT	0.01 KIP	2.07 KIP	0.01 KIP	1.79 KIP	1.71 KIP	1.10 KIP	17	21 IN	(1) #5		
		60 PSF	32.99 PSF	6.75 FT	ProfiPlusXT	0.01 KIP	2.31 KIP	0.01 KIP	1.73 KIP	1.86 KIP	1.06 KIP	21	24 IN	(2) #5		
		0 PSF	0.00 PSF	5.25 FT	ProfiPlus	0.03 KIP	0.78 KIP	0.00 KIP	1.72 KIP	1.05 KIP	1.05 KIP	27	20 IN	(1) #5		
		10 PSF	5.50 PSF	5.25 FT	ProfiPlus	0.03 KIP	0.86 KIP	0.00 KIP	1.72 KIP	1.10 KIP	1.05 KIP	27	20 IN	(1) #5		
		20 PSF	11.00 PSF	5.25 FT	ProfiPlus	0.03 KIP	0.93 KIP	0.00 KIP	1.72 KIP	1.15 KIP	1.05 KIP	27	20 IN	(1) #5		
		30 PSF	16.49 PSF	5.25 FT	ProfiPlus	0.03 KIP	1.16 KIP	0.00 KIP	1.72 KIP	1.20 KIP	1.05 KIP	27	20 IN	(1) #5		
30°		40 PSF	21.99 PSF	5.25 FT	ProfiPlus	0.03 KIP	1.40 KIP	0.00 KIP	1.72 KIP	1.25 KIP	1.05 KIP	27	20 IN	(1) #5		
		50 PSF	27.49 PSF	5.25 FT	ProfiPlus	0.03 KIP	1.64 KIP	0.00 KIP	1.72 KIP	1.38 KIP	1.05 KIP	27	20 IN	(1) #5		
		60 PSF	32.99 PSF	5.25 FT	ProfiPlus	0.03 KIP	1.87 KIP	0.00 KIP	1.72 KIP	1.54 KIP	1.05 KIP	27	20 IN	(1) #5		
		0 PSF	0.00 PSF	4.50 FT	ProfiPlus	0.04 KIP	0.77 KIP	0.00 KIP	1.71 KIP	1.03 KIP	1.03 KIP	38	20 IN	(1) #5		
		10 PSF	5.50 PSF	4.50 FT	ProfiPlus	0.04 KIP	0.83 KIP	0.00 KIP	1.71 KIP	1.07 KIP	1.03 KIP	38	20 IN	(1) #5		
		20 PSF	11.00 PSF	4.50 FT	ProfiPlus	0.04 KIP	0.89 KIP	0.00 KIP	1.71 KIP	1.11 KIP	1.03 KIP	38	20 IN	(1) #5		
140 MPH		30 PSF	16.49 PSF	4.50 FT	ProfiPlus	0.04 KIP	1.05 KIP	0.00 KIP	1.71 KIP	1.15 KIP	1.03 KIP	38	20 IN	(1) #5		
		40 PSF	21.99 PSF	4.50 FT	ProfiPlus	0.04 KIP	1.25 KIP	0.00 KIP	1.71 KIP	1.20 KIP	1.03 KIP	38	20 IN	(1) #5		
		50 PSF	27.49 PSF	4.50 FT	ProfiPlus	0.04 KIP	1.46 KIP	0.00 KIP	1.71 KIP	1.24 KIP	1.03 KIP	38	20 IN	(1) #5		
		60 PSF	32.99 PSF	4.50 FT	ProfiPlusXT	0.04 KIP	1.66 KIP	0.00 KIP	1.69 KIP	1.36 KIP	1.02 KIP	38	20 IN	(1) #5		
		0 PSF	0.00 PSF	4.00 FT	ProfiPlus	0.05 KIP	0.77 KIP	0.00 KIP	1.74 KIP	1.03 KIP	1.04 KIP	37	21 IN	(1) #5		
		10 PSF	5.50 PSF	4.00 FT	ProfiPlus	0.05 KIP	0.83 KIP	0.00 KIP	1.74 KIP	1.07 KIP	1.04 KIP	37	21 IN	(1) #5		
150 MPH		20 PSF	11.00 PSF	4.00 FT	ProfiPlus	0.05 KIP	0.89 KIP	0.00 KIP	1.74 KIP	1.10 KIP	1.04 KIP	37	21 IN	(1) #5		
		30 PSF	16.49 PSF	4.00 FT	ProfiPlus	0.05 KIP	0.98 KIP	0.00 KIP	1.74 KIP	1.14 KIP	1.04 KIP	37	21 IN	(1) #5		
		40 PSF	21.99 PSF	4.00 FT	ProfiPlus	0.05 KIP	1.16 KIP	0.00 KIP	1.74 KIP	1.18 KIP	1.04 KIP	37	21 IN	(1) #5		
		50 PSF	27.49 PSF	4.00 FT	ProfiPlus	0.05 KIP	1.34 KIP	0.00 KIP	1.74 KIP	1.22 KIP	1.04 KIP	37	21 IN	(1) #5		
		60 PSF	32.99 PSF	4.00 FT	ProfiPlus	0.05 KIP	1.52 KIP	0.00 KIP	1.74 KIP	1.28 KIP	1.04 KIP	37	21 IN	(1) #5		
		0 PSF	0.00 PSF	3.50 FT	ProfiPlus	0.06 KIP	0.76 KIP	0.00 KIP	1.71 KIP	1.00 KIP	1.02 KIP	36	20 IN	(1) #5		
160 MPH		10 PSF	5.50 PSF	3.50 FT	ProfiPlus	0.06 KIP	0.81 KIP	0.00 KIP	1.71 KIP	1.04 KIP	1.02 KIP	36	20 IN	(1) #5		
		20 PSF	11.00 PSF	3.50 FT	ProfiPlus	0.06 KIP	0.86 KIP	0.00 KIP	1.71 KIP	1.07 KIP	1.02 KIP	36	20 IN	(1) #5		
		30 PSF	16.49 PSF	3.50 FT	ProfiPlus	0.06 KIP	0.91 KIP	0.00 KIP	1.71 KIP	1.10 KIP	1.02 KIP	36	20 IN	(1) #5		
		40 PSF	21.99 PSF	3.50 FT	ProfiPlusXT	0.06 KIP	1.06 KIP	0.00 KIP	1.68 KIP	1.12 KIP	1.00 KIP	36	20 IN	(1) #5		
		50 PSF	27.49 PSF	3.50 FT	ProfiPlusXT	0.06 KIP	1.22 KIP	0.00 KIP	1.68 KIP	1.15 KIP	1.00 KIP	36	20 IN	(1) #5		
		60 PSF	32.99 PSF	3.50 FT	ProfiPlusXT	0.06 KIP	1.38 KIP	0.00 KIP	1.68 KIP	1.18 KIP	1.00 KIP	36	20 IN	(1) #5		

Slope Factor By Tilt	
Tilt	C _s
15°	1.00
20°	0.91
25°	0.82
30°	0.73
35°	0.64

ASCE 7-05														
TILT	MAX WIND	GROUND SNOW	SLOPED ROOF SNOW	MAX SPAN	PURLIN TYPE	FRONT CONNECTION			REAR CONNECTION			BAYS BETWEEN CROSS BRACING	BALLAST WIDTH	# OF REBAR
						TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR			
35°	85 MPH	0 PSF	0.00 PSF	7.75 FT	ProfiPlus	0.04 KIP	0.73 KIP	0.00 KIP	1.90 KIP	1.22 KIP	1.30 KIP	14	22 IN	(1) #5
		10 PSF	4.81 PSF	7.75 FT	ProfiPlus	0.04 KIP	0.83 KIP	0.00 KIP	1.90 KIP	1.29 KIP	1.30 KIP	14	22 IN	(1) #5
		20 PSF	9.62 PSF	7.75 FT	ProfiPlus	0.04 KIP	1.06 KIP	0.00 KIP	1.90 KIP	1.35 KIP	1.30 KIP	14	22 IN	(1) #5
		30 PSF	14.43 PSF	7.75 FT	ProfiPlus	0.04 KIP	1.36 KIP	0.01 KIP	1.90 KIP	1.42 KIP	1.30 KIP	14	22 IN	(1) #5
		40 PSF	19.24 PSF	7.75 FT	ProfiPlusXT	0.04 KIP	1.68 KIP	0.01 KIP	1.90 KIP	1.49 KIP	1.30 KIP	14	22 IN	(1) #5
		50 PSF	24.05 PSF	7.50 FT	ProfiPlusXT	0.03 KIP	1.92 KIP	0.01 KIP	1.84 KIP	1.64 KIP	1.25 KIP	17	21 IN	(1) #5
	90 MPH	60 PSF	28.87 PSF	7.00 FT	ProfiPlusXT	0.03 KIP	2.07 KIP	0.01 KIP	1.71 KIP	1.71 KIP	1.17 KIP	17	22 IN	(1) #5
		0 PSF	0.00 PSF	6.75 FT	ProfiPlus	0.03 KIP	0.70 KIP	0.00 KIP	1.86 KIP	1.18 KIP	1.27 KIP	17	22 IN	(1) #5
		10 PSF	4.81 PSF	6.75 FT	ProfiPlus	0.03 KIP	0.79 KIP	0.00 KIP	1.86 KIP	1.24 KIP	1.27 KIP	17	22 IN	(1) #5
		20 PSF	9.62 PSF	6.75 FT	ProfiPlus	0.03 KIP	0.96 KIP	0.00 KIP	1.86 KIP	1.29 KIP	1.27 KIP	17	22 IN	(1) #5
		30 PSF	14.43 PSF	6.75 FT	ProfiPlus	0.03 KIP	1.22 KIP	0.00 KIP	1.86 KIP	1.35 KIP	1.27 KIP	17	22 IN	(1) #5
		40 PSF	19.24 PSF	6.75 FT	ProfiPlus	0.03 KIP	1.49 KIP	0.01 KIP	1.86 KIP	1.40 KIP	1.27 KIP	17	22 IN	(1) #5
35°	100 MPH	50 PSF	24.05 PSF	6.75 FT	ProfiPlusXT	0.03 KIP	1.76 KIP	0.01 KIP	1.85 KIP	1.52 KIP	1.26 KIP	17	22 IN	(1) #5
		60 PSF	28.87 PSF	6.75 FT	ProfiPlusXT	0.03 KIP	2.03 KIP	0.01 KIP	1.85 KIP	1.70 KIP	1.26 KIP	17	22 IN	(1) #5
		0 PSF	0.00 PSF	5.50 FT	ProfiPlus	0.03 KIP	0.88 KIP	0.00 KIP	1.87 KIP	1.16 KIP	1.27 KIP	27	22 IN	(1) #5
		10 PSF	4.81 PSF	5.50 FT	ProfiPlus	0.03 KIP	0.75 KIP	0.00 KIP	1.87 KIP	1.21 KIP	1.27 KIP	27	22 IN	(1) #5
		20 PSF	9.62 PSF	5.50 FT	ProfiPlusXT	0.03 KIP	0.84 KIP	0.00 KIP	1.86 KIP	1.25 KIP	1.26 KIP	27	22 IN	(1) #5
		30 PSF	14.43 PSF	5.50 FT	ProfiPlusXT	0.03 KIP	1.06 KIP	0.00 KIP	1.86 KIP	1.29 KIP	1.26 KIP	27	22 IN	(1) #5
	110 MPH	40 PSF	19.24 PSF	5.50 FT	ProfiPlusXT	0.03 KIP	1.28 KIP	0.00 KIP	1.86 KIP	1.33 KIP	1.26 KIP	27	22 IN	(1) #5
		50 PSF	24.05 PSF	5.50 FT	ProfiPlusXT	0.03 KIP	1.50 KIP	0.00 KIP	1.86 KIP	1.38 KIP	1.26 KIP	27	22 IN	(1) #5
		60 PSF	28.87 PSF	5.50 FT	ProfiPlusXT	0.03 KIP	1.72 KIP	0.00 KIP	1.86 KIP	1.47 KIP	1.26 KIP	27	22 IN	(1) #5
		0 PSF	0.00 PSF	4.50 FT	ProfiPlus	0.02 KIP	0.66 KIP	0.00 KIP	1.85 KIP	1.12 KIP	1.24 KIP	37	22 IN	(1) #5
		10 PSF	4.81 PSF	4.50 FT	ProfiPlus	0.02 KIP	0.72 KIP	0.00 KIP	1.85 KIP	1.16 KIP	1.24 KIP	37	22 IN	(1) #5
		20 PSF	9.62 PSF	4.50 FT	ProfiPlus	0.02 KIP	0.77 KIP	0.00 KIP	1.85 KIP	1.20 KIP	1.24 KIP	37	22 IN	(1) #5
35°	120 MPH	30 PSF	14.43 PSF	4.50 FT	ProfiPlus	0.02 KIP	0.92 KIP	0.00 KIP	1.85 KIP	1.23 KIP	1.24 KIP	37	22 IN	(1) #5
		40 PSF	19.24 PSF	4.50 FT	ProfiPlus	0.02 KIP	1.10 KIP	0.00 KIP	1.85 KIP	1.27 KIP	1.24 KIP	37	22 IN	(1) #5
		50 PSF	24.05 PSF	4.50 FT	ProfiPlus	0.02 KIP	1.28 KIP	0.00 KIP	1.85 KIP	1.31 KIP	1.24 KIP	37	22 IN	(1) #5
		60 PSF	28.87 PSF	4.50 FT	ProfiPlus	0.02 KIP	1.46 KIP	0.00 KIP	1.85 KIP	1.34 KIP	1.24 KIP	37	22 IN	(1) #5
		0 PSF	0.00 PSF	3.75 FT	ProfiPlus	0.02 KIP	0.65 KIP	0.00 KIP	1.81 KIP	1.09 KIP	1.21 KIP	35	21 IN	(1) #5
		10 PSF	4.81 PSF	3.75 FT	ProfiPlus	0.02 KIP	0.69 KIP	0.00 KIP	1.81 KIP	1.12 KIP	1.21 KIP	35	21 IN	(1) #5
	130 MPH	20 PSF	9.62 PSF	3.75 FT	ProfiPlus	0.02 KIP	0.74 KIP	0.00 KIP	1.81 KIP	1.15 KIP	1.21 KIP	35	21 IN	(1) #5
		30 PSF	14.43 PSF	3.75 FT	ProfiPlus	0.02 KIP	0.82 KIP	0.00 KIP	1.81 KIP	1.18 KIP	1.21 KIP	35	21 IN	(1) #5
		40 PSF	19.24 PSF	3.75 FT	ProfiPlus	0.02 KIP	0.97 KIP	0.00 KIP	1.81 KIP	1.21 KIP	1.21 KIP	35	21 IN	(1) #5
		50 PSF	24.05 PSF	3.75 FT	ProfiPlus	0.02 KIP	1.12 KIP	0.00 KIP	1.81 KIP	1.24 KIP	1.21 KIP	35	21 IN	(1) #5
		60 PSF	28.87 PSF	3.75 FT	ProfiPlus	0.02 KIP	1.27 KIP	0.00 KIP	1.81 KIP	1.27 KIP	1.21 KIP	35	21 IN	(1) #5
		0 PSF	0.00 PSF	3.00 FT	ProfiPlus	0.02 KIP	0.61 KIP	0.00 KIP	1.67 KIP	0.98 KIP	1.09 KIP	93	20 IN	(1) #5
35°	130 MPH	10 PSF	4.81 PSF	3.00 FT	ProfiPlusXT	0.02 KIP	0.63 KIP	0.00 KIP	1.63 KIP	0.98 KIP	1.07 KIP	91	19 IN	(1) #5
		20 PSF	9.62 PSF	3.00 FT	ProfiPlus	0.02 KIP	0.68 KIP	0.00 KIP	1.67 KIP	1.03 KIP	1.09 KIP	55	20 IN	(1) #5
		30 PSF	14.43 PSF	3.00 FT	ProfiPlus	0.02 KIP	0.72 KIP	0.00 KIP	1.67 KIP	1.05 KIP	1.09 KIP	55	20 IN	(1) #5
		40 PSF	19.24 PSF	3.00 FT	ProfiPlus	0.02 KIP	0.83 KIP	0.00 KIP	1.67 KIP	1.07 KIP	1.09 KIP	55	20 IN	(1) #5
		50 PSF	24.05 PSF	3.00 FT	ProfiPlus	0.02 KIP	0.95 KIP	0.00 KIP	1.67 KIP	1.10 KIP	1.09 KIP	55	20 IN	(1) #5
		60 PSF	28.87 PSF	3.00 FT	ProfiPlus	0.02 KIP	1.07 KIP	0.00 KIP	1.67 KIP	1.12 KIP	1.09 KIP	55	20 IN	(1) #5