





Slop	e Factor By Tilt
Tilt	Cs
15°	1.00
20°	0.91
25°	0.82
30°	0.73
35°	0.64
	Tilt 15° 20° 25° 30°

							ASCE 7-0							
TILT	MAX	GROUND	SLOPED	MAX	PURLIN		RONT CONNECTION			EAR CONNECTIO		BAYS BETWEEN		# OF
	WIND		ROOF SNOW	SPAN	TYPE		COMPRESSION			COMPRESSION		CROSS BRACING		REBA
		0 PSF	0.00 PSF	9.25 FT	ProfiPlus	0.50 <b>K</b> IP	1.31 KIP	0.00 KIP	1.57 KIP		0.59 <b>K</b> IP	11	23 IN	(1) #
		10 PSF	7.56 PSF	9.25 FT	ProfiPlus	0.50 <b>K</b> IP	1.49 KIP	0.00 KIP	1.57 KIP		0.59 <b>KIP</b>	11	23 IN	(1) #
		20 PSF	15.12 PSF	9.25 FT	ProfiPlusXT		1.91 KIP	0.00 KIP	1.56 KIP		0.59 KIP	11	22 IN	(1) #
	85 MPH	30 PSF	22.68 PSF	8.50 FT			2.29 KJP	0.00 <b>KI</b> P			0.54 KIP	12	21 IN	(1) #
		40 PSF	30.24 PSF		ProfiPlusXT		2.57 KIP	0.00 KIP			0.49 KIP	17	19 IN	(1) #
		50 PSF	37.80 PSF	7.00 FT	ProfiPlusXT		2.76 KIP	0.00 KIP		2.01 KIP	0.44 <b>K</b> IP	17	17 IN	(1) #
		60 PSF	45.36 PSF	6.50 FT	ProfiPlusXT	1	2.96 KIP	0.00 KIP			0.41 KIP	22	16 IN	(1) #
		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) #
		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) #
		20 PSF	15.12 PSF	8.25 FT	ProfiPlus	0.51 KIP	1.76 KJP	0.00 KIP			0.59 KIP	14	23 IN	(1) #
	90 MPH	30 PSF	22.68 PSF	8.25 FT			2.28 KIP	0.00 KIP	1.57 KIP	1.67 KIP	0.59 <b>KIP</b>	14	23 IN	(1) #
		40 PSF	30.24 PSF	7.50 FT	ProfiPlusXT	0.46 <b>K</b> IP	2.54 KIP	0.00 KIP	1.42 KIP	1.86 KIP	0.53 <b>K</b> IP	17	21 IN	(1) #
		50 PSF	37.80 PSF	7.00 FT	ProfiPlusXT	0.43 KIP	2.81 KIP	0.00 KIP	1.33 KIP		0.50 KIP	17	19 IN	(1) #
		60 PSF	45.36 PSF	6.50 FT	ProfiPlusXT	0.40 KIP	3.01 KJP	0.00 KIP	1.23 KIP	2.20 KIP	0.46 KIP	22	18 IN	(1) #
		0 PSF	0.00 PSF	6.50 FT	ProfiPlus	0.51 <b>K</b> IP	1.22 KIP	0.00 KIP	1.54 KIP	0.89 KIP	0.57 <b>KIP</b>	22	22 IN	(1) #
		10 PSF	7.56 PSF	6.50 FT	ProfiPlus	0.51 <b>K</b> IP	1.35 KIP	0.00 KIP	1.54 KIP	0.98 KIP	0.57 <b>K</b> IP	22	22 IN	(1) #
		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) #
	4 5 6	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) #
		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) #
		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)#
15°		60 PSF	45.36 PSF	6.25 FT	ProfiPlusXT	0.49 <b>K</b> IP	2.99 KIP	0.00 KIP	1.47 KIP	2.18 <b>K</b> IP	0.55 <b>KIP</b>	21	21 IN	(1)#
13		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)#
		10 PSF	7.56 PSF	5.25 FT	ProfiPlus	0.51 KIP	1.27 <b>KI</b> P	0.00 KIP	1.50 KIP	0.92 KIP	0.55 KIP	28	22 IN	(1) #
		20 PSF	15.12 PSF	5.25 FT	ProfiPlus	0.51 KIP	1.37 KIP	0.00 KIP	1.50 KIP	0.99 <b>KI</b> P	0.55 KIP	28	22 IN	(1) #
	110 MPH	30 PSF	22.68 PSF	5.25 FT	ProfiPlus	0.51 <b>K</b> IP	1.63 KIP	0.00 KIP	1.50 KIP	1.18 <b>K</b> IP	0.55 <b>KIP</b>	28	22 IN	(1) #
		40 PSF	30.24 PSF	5.25 FT	ProfiPlus	0.51 <b>K</b> IP	1.95 KIP	0.00 KIP	1.50 KIP	1.42 KIP	0.55 <b>KIP</b>	28	22 IN	(1) #
		50 PSF	37.80 PSF	5.25 FT	ProfiPlus	0.51 <b>K</b> IP	2.28 KIP	0.00 KIP	1.50 KIP	1.66 KIP	0.55 <b>K</b> IP	28	22 IN	(1) #
		60 PSF	45.36 PSF	5.25 FT	ProfiPlus	0.51 KIP	2.61 KIP		1.50 KIP		0.55 KIP	28	22 IN	(1) #
		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) #
		10 PSF	7.56 PSF	4.50 FT	ProfiPlus	0.53 <b>K</b> IP	1.26 KIP	0.00 KIP	1.53 KIP	0.90 KIP	0.56 <b>KIP</b>	40	22 IN	(1) #
		20 PSF	15.12 PSF	4.50 FT	ProfiPlus	0.53 <b>K</b> IP	1.35 KIP	0.00 KIP	1.53 KIP	0.97 KIP	0.56 <b>KIP</b>	40	22 IN	(1) #
	120 MPH	30 PSF	22.68 PSF	4.50 FT	ProfiPlus	0.53 KIP	1.48 KIP	0.00 <b>KIP</b>	1.53 KIP	1.07 KIP	0.56 KIP	40	22 IN	(1) #
		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) #
		50 PSF	37.80 PSF	4.50 FT	ProfiPlus	0.53 KIP	2.04 KIP	0.00 <b>KI</b> P	1.53 KIP	1.47 KIP	0.56 KIP	40	22 IN	(1) #
		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) #
		0 PSF	0.00 PSF	3.75 FT	ProfiPlus	0.52 <b>K</b> IP	1.13 KIP	0.00 KIP	1.49 KIP	0.80 KIP	0.54 <b>K</b> IP	70	22 IN	(1) #
		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) #
		20 PSF	15.12 PSF	3.75 FT	ProfiPlus	0.52 KIP	1.28 KJP	0.00 KIP	1.49 KIP	0.91 KIP	0.54 KIP	70	22 IN	(1) #
	130 MPH	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) #
		40 PSF	30.24 PSF	3.75 FT	ProfiPlusXT	0.51 <b>K</b> IP	1.53 KIP	0.00 KIP	1.47 KIP	1.09 KIP	0.53 <b>K</b> IP	69	21 IN	(1) #
		50 PSF	37.80 PSF		ProfiPlusXT	1	1.76 KIP	0.00 KIP			0.53 KIP	69	21 IN	(1) #
		60 PSF	45.36 PSF	3.75 FT	ProfiPlusXT	0.51 <b>K</b> IP	1.99 KIP	0.00 KIP	1.47 KIP	1.41 KIP	0.53 <b>K</b> IP	69	21 IN	(1) #

							ASCE 7-10	)						
TILT	MAX	GROUND	SLOPED	MAX	PURLIN	FF	RONT CONNECTIO	·N	R	EAR CONNECTIO	N	BAY\$ BETWEEN	BALLA\$T	# OF
(IL)	WIND	SNOW	ROOF SNOW	SPAN	TYPE	TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR	CROSS BRACING	WIDTH	REBAR
		0 PSF	0.00 PSF	8.75 FT	ProfiPlus	0.50 <b>K</b> IP	1.29 KIP	0.00 KIP	1.55 KIP	0.94 KIP	0.58 <b>KIP</b>	12	21 IN	(1) #5
		10 PSF	7.56 PSF	8.75 FT	ProfiPlus	0.50 <b>K</b> IP	1.46 KIP	0.00 KIP	1.55 KIP	1.06 KIP	0.58 <b>KIP</b>	12	21 IN	(1) #5
		20 PSF	15.12 PSF	8.75 <b>FT</b>	ProfiPlusXT	0.50 KIP	1.83 KIP	0.00 <b>KI</b> P	1.55 KIP	1.34 KIP	0.58 KIP	12	21 IN	(1) #5
	110 MPH	30 PSF	22.68 PSF	8.50 FT	ProfiPlusXT	0.49 KIP	2.31 KJP	0.00 KIP	1.50 KIP	1.69 KIP	0.57 KIP	12	21 IN	(1) #5
		40 PSF	30.24 PSF		ProfiPlusXT		2.51 KIP	0.00 KIP	1.32 KIP	1.83 KIP	0.50 <b>KIP</b>	17	18 IN	(1) #5
		50 PSF	37.80 PSF		ProfiPlusXT		2.78 KIP		1.23 KIP	2.03 KIP	0.46 <b>K</b> IP	17	17 IN	(1) #5
		60 PSF	45.36 PSF		ProfiPlusXT		-		1.14 KIP		0.43 KIP	22	16 IN	(1) #5
		0 PSF	0.00 PSF	8.00 FT	ProfiPlus	0.51 KIP	+		1.56 KIP		0.58 KIP	14	21 IN	(1) #5
		10 PSF	7.56 PSF	8.00 <b>FT</b>	ProfiPlus	0.51 KIP			1.56 KIP		0.58 KIP	14	21 IN	(1) #5
		20 PSF	15.12 PSF	8.00 <b>FT</b>	ProfiPlus	0.51 KIP		0.00 KIP	1.56 KIP		0.58 KIP	14	21 IN	(1) #5
	115 MPH	30 PSF	22.68 PSF		ProfiPlusXT		· · · · · · · · · · · · · · · · · · ·	0.00 KIP	1.55 KIP		0.58 <b>K</b> IP	14	21 IN	(1) #5
		40 PSF	30.24 PSF		ProfiPlusXT				1.45 KIP		0.55 KIP	17	20 IN	(1) #5
		50 PSF	37.80 PSF		ProfiPlusXT	<del>}</del>	+	0.00 KIP	1.35 KIP		0.51 KIP	17	19 IN	(1) #5
		60 PSF	45.36 PSF		ProfiPlusXT	<u> </u>		0.00 KIP	1.25 KIP		0.47 KIP	22	17 IN	(1) #5
		0 PSF	0.00 PSF	6.25 FT	ProfiPlus	0.52 <b>K</b> IP			1.56 KIP		0.58 <b>KIP</b>	21	22 IN	(1) #5
		10 PSF	7.56 PSF	6.25 FT	ProfiPlus	0.52 <b>K</b> IP			1.56 KIP		0.58 <b>KIP</b>	21	22 IN	(1) #5
	130 MPH	20 PSF	15.12 PSF	6.25 FT	ProfiPlus	0.52 <b>K</b> IP	· · · · · · · · · · · · · · · · · · ·	0.00 KIP	1.56 KIP		0.58 <b>K</b> IP	21	22 IN	(1) #5
		30 PSF	22.68 PSF		ProfiPlusXT	<u> </u>			1.55 KIP		0.58 KIP	21	22 IN	(1) #5
		40 PSF	30.24 PSF		ProfiPlusXT	<u> </u>			1.55 KIP		0.58 KIP	21	22 IN	(1) #5
		50 PSF	37.80 PSF		ProfiPlusXT			0.00 KIP	1.55 KIP		0.58 KIP	21	22 IN	(1) #5
15°		60 PSF	45.36 PSF	6.25 FT	ProfiPlusXT	-			1.55 KIP		0.58 KIP	21	22 IN	(1) #5
	-	0 PSF	0.00 PSF	5.25 FT	ProfiPlus	0.52 KIP	-		1.52 KIP		0.56 KIP	28	21 IN	(1) #5
		10 PSF	7.56 PSF	5.25 FT	ProfiPlus	0.52 KIP		0.00 KIP	1.52 KIP		0.56 KIP	28	21 IN	(1) #5
	440 1400	20 PSF	15.12 PSF	5.25 FT	ProfiPlus	0.52 KIP			1.52 KIP		0.56 KIP	28	21 IN	(1) #5
	140 MPH	30 PSF	22.68 PSF	5.25 FT	ProfiPlus	0.52 KIP			1.52 KIP		0.56 KIP	28	21 IN	(1) #5
	-	40 PSF	30.24 PSF	5.25 FT	ProfiPlus	0.52 KIP	-	0.00 KIP	1.52 KIP		0.56 KIP	28	21 IN	(1) #5
		50 PSF	37.80 PSF	5.25 FT	ProfiPlus	0.52 KIP			1.52 KIP		0.56 KIP	28	21 IN	(1) #5
		60 PSF	45.36 PSF	5.25 FT		0.52 KIP		0.00 KIP			0.56 KIP	28	21 IN	(1) #5
		0 PSF	0.00 PSF	4.50 FT		0.51 KIP			1.50 KIP		0.55 KIP		21 IN	(1) #5
		10 PSF	7.56 PSF	4.50 FT	ProfiPlus	0.51 KIP		0.00 KIP			0.55 KIP	40	21 IN	(1) #5
	150 MDU	20 PSF	15.12 PSF	4.50 FT		0.51 KIP			1.50 KIP		0.55 KIP	40	21 IN	(1) #5
	150 MPH	30 PSF	22.68 PSF	4.50 FT	ProfiPlus	0.51 KIP		0.00 KIP			0.55 KIP	40	21 IN	(1) #5
	-	40 PSF	30.24 PSF	4.50 FT	ProfiPlus	0.51 KIP		0.00 KIP			0.55 KIP	40	21 IN	(1) #5
	-	50 PSF	37.80 PSF	4.50 FT		0.51 KIP		0.00 KIP			0.55 KIP	40	21 IN	(1) #5
		60 PSF	45.36 PSF	4.50 FT	ProfiPlus	0.48 KIP		0.00 KIP			0.51 KIP	40	20 IN	(1) #5
		0 PSF	0.00 PSF	4.00 FT	ProfiPlus	0.52 KIP	+	0.00 KIP			0.55 KIP	40	21 IN	(1) #5
		10 PSF	7.56 PSF	4.00 FT		0.52 KIP	·	0.00 KIP			0.55 KIP	40	21 IN	(1) #5
	160 MADEL	20 PSF	15.12 PSF	4.00 FT	ProfiPlus	0.52 KIP		0.00 KIP			0.55 KIP	40	21 IN	(1) #5
	160 MPH	30 PSF	22.68 PSF	4.00 FT	ProfiPlus	0.52 KIP		0.00 KIP			0.55 KIP	40	21 IN	(1) #5
		40 PSF	30.24 PSF	4.00 FT	ProfiPlus	0.52 KIP		0.00 KIP			0.55 KIP	40	21 IN	(1) #5
		50 PSF	37.80 PSF	4.00 FT	ProfiPlus	0.52 KIP	+	0.00 KIP			0.55 KIP	40	21 IN	(1) #5
		60 PSF	45.36 PSF	4.00 FT	ProfiPlus	0.52 KIP	2.12 KIP	U.UU KIP	1.51 KIP	1.52 KIP	0.55 KIP	40	21 IN	(1) #5

						ASCE	7-05 W/ SEISM	IIC DESIG	- N					
	MAX	GROUND	SLOPED	MAX	PURLIN		RONT CONNECTION			EAR CONNECTIO	N	BAYS BETWEEN	BALLAST	# OF
TILT	WIND	SNOW	ROOF SNOW	SPAN	TYPE	TENSION	COMPRESSION	SHEAR		COMPRESSION		CROSS BRACING	I I	REBAR
		0 PSF	0.00 PSF	9.25 FT	ProfiPlus	0.50 KIP	1.31 KIP	0.05 <b>K</b> IP	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 <b>K</b> IP	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
	85 MPH	30 PSF	22.68 PSF	8.50 FT	ProfiPlusXT	-	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 <b>K</b> IP	1.18 KIP	2.01 KIP	0.87 KIP	10	28 IN	(2) #5
		60 PSF	45.36 PSF	6.50 FT	ProfiPlusXT	0.35 KIP	2.96 KIP	0.12 KIP	1.09 KIP	2.16 KIP	0.92 KIP	11	29 IN	(2) #5
		0 PSF	0.00 PSF	8.25 FT	ProfiPlus	0.51 KJP	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
	90 MPH [	30 PSF	22.68 PSF	8.25 FT	ProfiPlusXT	0.51 KIP	2.28 KIP	0.05 <b>K</b> IP	1.57 KIP	1.67 KIP	0.59 KIP	11	23 IN	(1) #5
		40 PSF	30.24 PSF	7.50 FT	ProfiPlusXT	0.46 KIP	2.54 KIP	0.11 <b>K</b> IP	1.42 KIP	1.86 KIP	0.80 KIP	10	26 IN	(2) #5
		50 PSF	37.80 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
		60 PSF	45.36 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
		0 PSF	0.00 PSF	6.50 FT	ProfiPlus	0.51 KIP	1.22 KIP	0.04 <b>K</b> IP	1.54 KIP	0.89 KIP	0.57 KIP	15	22 IN	(1) #5
		10 PSF	7.56 PSF	6.50 FT	ProfiPlus	0.51 KIP	1.35 KIP	0.04 <b>K</b> IP	1.54 KIP	0.98 KIP	0.57 KIP	15	22 IN	(1) #5
		20 PSF	15.12 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
	100 MPH	30 PSF	22.68 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
		40 PSF	30.24 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
		50 PSF	37.80 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
15°		60 PSF	45.36 PSF	6.25 FT	ProfiPlusXT	0.49 KIP	2.99 KIP	0.11 <b>K</b> IP	1.47 KIP	2.18 KIP	0.89 KIP	11	28 IN	(2) #5
15		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
	110 MPH	30 PSF	22.68 PSF	5.25 FT	ProfiPlus	0.51 KIP	1.63 KIP	0.03 <b>K</b> IP	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 <b>K</b> IP	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 <b>K</b> IP	2.28 KIP	0.09 <b>K</b> IP	1.50 KIP	1.66 KIP	0.66 KIP	17	25 IN	(2) #5
		60 PSF	45.36 PSF	5.25 FT		0.51 KIP	2.61 KIP	0.10 KIP		1.90 KIP	0.75 KIP	16	26 IN	(2) #5
		0 PSF	0.00 PSF	4.50 FT	ProfiPlus	0.53 KIP	1.17 KIP	0.02 KIP	1.53 KIP	0.84 KIP	0.56 KIP	24	22 IN	(1) #5
		10 PSF	7.56 PSF	4.50 FT	ProfiPlus	0.53 KIP	1.26 KIP	0.02 <b>K</b> IP	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 <b>K</b> IP	1.53 KIP	0.97 KIP	0.56 KIP	24	22 IN	(1) #5
	120 MPH	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
		40 PSF	30.24 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
		50 PSF	37.80 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
		60 PSF	45.36 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
		0 PSF	0.00 PSF	3.75 FT	ProfiPlus	0.52 KIP	1.13 KIP	0.02 <b>K</b> IP	+	0.80 KIP	0.54 KIP	35	22 IN	(1) #5
		10 PSF	7.56 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
		20 PSF	15.12 PSF	3.75 FT	ļ	0.52 KIP	1.28 KIP	0.02 KIP		0.91 KIP	0.54 KIP	35	22 IN	(1) #5
	130 MPH	30 PSF	22.68 PSF	3.75 FT	ProfiPlusXT	0.51 KIP	1.33 KIP	0.02 KIP		0.95 KIP	0.53 KIP	35	21 IN	(1) #5
		40 PSF	30.24 PSF		ProfiPlusXT		1.53 KIP	0.05 <b>K</b> IP		1.09 KIP	0.53 KIP	25	21 IN	(1) #5
		50 PSF	37.80 PSF		ProfiPlusXT		1.76 KIP	0.05 KIP		1.25 KIP	0.53 KIP	24	22 IN	(1) #5
		60 PSF	45.36 PSF	3.75 FT	ProfiPlusXT	0.51 KIP	1.99 KIP	0.06 <b>K</b> IP	1.47 KIP	1.41 KIP	0.56 KIP	22	23 IN	(1) #5

						ASCE	7-10 W/ SEISN	IIC DESIG	3N					
TILT	MAX	GROUND	SLOPED	MAX	PURLIN	FF	RONT CONNECTION	ON	RI	EAR CONNECTIO	N	BAY\$ BETWEEN	BALLA\$T	# OF
1161	WIND	SNOW	ROOF SNOW	SPAN	TYPE	TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR	CROSS BRACING	WIDTH	REBAR
		0 PSF	0.00 PSF	8.75 FT	ProfiPlus	0.50 KIP	1.29 KIP	0.05 <b>K</b> IP	1.55 KIP	0.94 KIP	0.58 KIP	10	21 IN	(1) #5
		10 PSF	7.56 PSF	8.75 FT	ProfiPlus	0.50 KIP	1.46 KIP	0.05 <b>K</b> IP	1.55 KIP	1.06 KIP	0.58 KIP	10	21 IN	(1) #5
		20 PSF	15.12 PSF	8.75 FT	ProfiPlusXT	0.50 KIP	1.83 KIP	0.05 KIP	1.55 KIP	1.34 KIP	0.58 KIP	10	21 IN	(1) #5
	110 MPH	30 PSF	22.68 PSF	8.50 FT	ProfiPlusXT	0.49 KIP	2.31 KIP	0.05 KIP	1.50 KIP	1.69 KIP	0.57 KIP	10	21 IN	(1) #5
		40 PSF	30.24 PSF	7.50 FT	ProfiPlusXT	0.43 KIP	2.51 KIP	0.11 <b>K</b> IP	1.32 KIP	1.83 KIP	0.80 KIP	10	26 IN	(2) #5
		50 PSF	37.80 PSF	7.00 FT	ProfiPlusXT	0.40 KIP	2.78 KIP	0.11 <b>K</b> IP	1.23 KIP	2.03 KIP	0.87 <b>KI</b> P	10	28 IN	(2) #5
		60 PSF	45.36 PSF	6.50 FT	ProfiPlusXT	0.37 KIP	2.98 KIP	0.12 KIP	1.14 KIP	2.17 KIP	0.92 KIP	11	29 IN	(2) #5
		0 PSF	0.00 PSF	8.00 FT	ProfiPlus	0.51 KIP	1.27 KIP	0.05 KIP	1.56 KIP	0.93 KIP	0.58 KIP	11	21 IN	(1) #5
		10 PSF	7.56 PSF	8.00 FT	ProfiPlus	0.51 KIP	1.43 KIP	0.05 KIP	1.56 KIP	1.04 KIP	0.58 KIP	11	21 IN	(1) #5
		20 PSF	15.12 PSF	8.00 FT	ProfiPlus	0.51 KIP	1.72 KIP	0.05 KIP	1.56 KIP	1.26 KIP	0.58 KIP	11	21 IN	(1) #5
	115 MPH	30 PSF	22.68 PSF	8.00 FT	ProfiPlusXT	0.51 KIP	2.22 KIP	0.04 KIP	1.55 KIP	1.63 KIP	0.58 KIP	11	21 IN	(1) #5
		40 PSF	30.24 PSF	7.50 FT	ProfiPlusXT	0.48 KIP	2.55 KIP	0.11 KIP	1.45 KIP	1.87 KIP	0.80 KIP	10	26 IN	(2) #5
		50 PSF	37.80 PSF	7.00 FT	ProfiPlusXT	0.44 KIP	2.82 KIP	0.11 KIP	1.35 KIP	2.06 KIP	0.87 KIP	10	28 IN	(2) #5
		60 PSF	45.36 PSF	6.50 FT	ProfiPlusXT	0.41 KIP	3.02 KIP	0.12 KIP	1.25 KIP	2.20 KIP	0.92 KIP	11	29 IN	(2) #5
		0 PSF	0.00 PSF	6.25 FT	ProfiPlus	0.52 KIP	1.23 KIP	0.03 <b>K</b> IP	1.56 KIP	0.89 KIP	0.58 KIP	15	22 IN	(1) #5
		10 PSF	7.56 PSF	6.25 FT	ProfiPlus	0.52 KIP	1.35 KIP	0.03 <b>K</b> IP	1.56 KIP	0.98 KIP	0.58 KIP	15	22 IN	(1) #5
	130 MPH 3	20 PSF	15.12 PSF	6.25 FT	ProfiPlus	0.52 <b>K</b> IP	1.48 KIP	0.03 <b>K</b> IP	1.56 KIP	1.07 KIP	0.58 KIP	15	22 IN	(1) #
		30 PSF	22.68 PSF	6.25 FT	ProfiPlusXT	0.52 KIP	1.85 KIP	0.03 KIP	1.55 KIP	1.35 KIP	0.58 KIP	15	22 IN	(1) #
		40 PSF	30.24 PSF	6.25 FT	ProfiPlusXT	0.52 KIP	2.24 KIP	0.09 KIP	1.55 KIP	1.63 KIP	0.68 KIP	12	25 IN	(2) #
		50 PSF	37.80 PSF	6.25 FT	ProfiPlusXT	0.52 KIP	2.63 KIP	0.10 KIP	1.55 KIP	1.92 KIP	0.79 KIP	12	27 IN	(2) #5
15°		60 PSF	45.36 PSF	6.25 FT	ProfiPlusXT	0.52 <b>K</b> IP	3.02 KIP	0.11 <b>K</b> IP	1.55 KIP	2.20 KIP	0.89 KIP	11	28 IN	(2) #5
10		0 PSF	0.00 PSF	5.25 FT	ProfiPlus	0.52 KIP	1.18 KIP	0.03 KIP	1.52 KIP	0.85 KIP	0.56 KIP	24	21 IN	(1) #5
		10 PSF	7.56 PSF	5.25 FT	ProfiPlus	0.52 KIP	1.28 KIP	0.03 KIP	1.52 KIP	0.93 KIP	0.56 KIP	24	21 IN	(1) #5
		20 PSF	15.12 PSF	5.25 FT	ProfiPlus	0.52 KIP	1.39 KIP	0.03 KIP	1.52 KIP	1.00 KIP	0.56 KIP	24	21 IN	(1) #5
	140 MPH	30 PSF	22.68 PSF	5.25 FT	ProfiPlus	0.52 KIP	1.63 KIP	0.03 KIP	1.52 KIP	1.19 KIP	0.56 KIP	24	21 IN	(1) #5
		40 PSF	30.24 PSF	5.25 FT	ProfiPlus	0.52 KIP	1.96 KIP	0.07 KIP	1.52 KIP	1.42 KIP	0.57 KIP	18	23 IN	(1) #5
		50 PSF	37.80 PSF	5.25 FT	ProfiPlus	0.52 KIP	2.29 KIP	0.09 KIP	1.52 KIP	1.66 KIP	0.66 KIP	17	25 IN	(2) #
		60 PSF	45.36 PSF	5.25 FT		0.52 KIP	2.62 KIP	0.10 KIP		1.90 KIP	0.75 KIP	16	26 IN	(2) #5
		0 PSF	0.00 PSF	4.50 FT	ProfiPlus	0.51 KIP	1.15 KIP	0.02 KIP	1.50 KIP	0.82 KIP	0.55 KIP	24	21 IN	(1) #5
		10 PSF	7.56 PSF	4.50 FT	ProfiPlus	0.51 KIP	1.23 KIP	0.02 KIP	1.50 KIP	0.89 KIP	0.55 KIP	24	21 IN	(1) #5
		20 PSF	15.12 PSF	4.50 FT	ProfiPlus	0.51 KIP	1.32 KIP	0.02 KIP	1.50 KIP	0.95 KIP	0.55 KIP	24	21 IN	(1) #5
	150 MPH	30 PSF	22.68 PSF	4.50 FT	ProfiPlus	0.51 KIP	1.47 KIP	0.02 <b>K</b> IP	1.50 KIP	1.06 KIP	0.55 KIP	24	21 IN	(1) #5
		40 PSF	30.24 PSF	4.50 FT	ProfiPlus	0.51 KIP	1.75 KIP	0.06 KIP		1.26 KIP	0.55 KIP	19	21 IN	(1) #5
		50 PSF	37.80 PSF	4.50 FT	ProfiPlus	0.51 KIP	2.03 KIP	0.07 KIP	1.50 KIP	1.46 KIP	0.58 KIP	18	23 IN	(1) #5
		60 PSF	45.36 PSF	4.25 FT	ProfiPlus	0.48 KIP	2.18 KIP	0.07 <b>K</b> IP	1.41 KIP	1.57 KIP	0.62 KIP	17	24 IN	(2) #
		0 PSF	0.00 PSF	4.00 FT	ProfiPlus	0.52 <b>K</b> IP	1.15 KIP	0.02 <b>K</b> IP	1.51 KIP	0.82 KIP	0.55 KIP	34	21 IN	(1) #5
		10 PSF	7.56 PSF	4.00 FT	ProfiPlus	0.52 KIP	1.22 KIP	0.02 KIP	1.51 KIP	0.87 KIP	0.55 KIP	34	21 IN	(1) #5
		20 PSF	15.12 PSF	4.00 FT	ProfiPlus	0.52 KIP	1.30 KIP	0.02 KIP	1.51 KIP	0.93 KIP	0.55 KIP	34	21 IN	(1) #
	160 MPH	30 PSF	22.68 PSF	4.00 FT	ProfiPlus	0.52 KIP	1.38 KIP	0.02 <b>K</b> IP	1.51 KIP	0.99 KIP	0.55 KIP	34	21 IN	(1) #
		40 PSF	30.24 PSF	4.00 FT	ProfiPlus	0.52 KIP	1.62 KIP	0.05 KIP	1.51 KIP	1.16 KIP	0.55 KIP	25	21 IN	(1) #5
		50 PSF	37.80 PSF	4.00 FT	ProfiPlus	0.52 KIP	1.87 KIP	0.06 <b>K</b> IP	1.51 KIP	1.34 KIP	0.55 KIP	23	22 IN	(1) #5
		60 PSF	45.36 PSF	4.00 FT	ProfiPlus	0.52 KIP	2.12 KIP	0.07 KIP	1.51 KIP	1.52 KIP	0.59 KIP	22	24 IN	(2) #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					
K	5					
	6					
	7					
	0					



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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

15° 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

ER: V SCALE:
of 4 SEE DRAWING VIEWS

	Slop	e Factor By Tilt
	Tilt	Cs
	15°	1.00
	20°	0.91
	25°	0.82
	30°	0.73
	35°	0.64

							ASCE 7-0	5						
TILT	MAX	GROUND	SLOPED	MAX	PURLIN		ONT CONNECTION			EAR CONNECTIO		BAYS BETWEEN	l I	#0
1111	WIND	SNOW	ROOF SNOW	SPAN	TYPE	TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION		CROSS BRACING	WIDTH	REB.
		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)
		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)
		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)
	85 MPH	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)
		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)
		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)
		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)
		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)
		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)
		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)
	90 MPH	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)
		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)
		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
		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
		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
		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
		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
	100 MPH	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
	4 5	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
		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
ഹം		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
20°		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
		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
		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
	110 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
		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
		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
		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
		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
		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
		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		22 IN	(1
	120 MPH	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
		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
		50 PSF	34.36 PSF	4.25 FT	ProfiPlus	0.35 KIP		0.00 KIP			0.72 KIP		22 IN	(1
		60 PSF	41.24 PSF	4.25 FT	ProfiPlus	0.35 KIP	2.00 KIP	0.00 KIP	1.58 KIP		0.72 KIP		22 IN	(1
		0 PSF	0.00 PSF	3.50 FT	ProfiPlus	0.35 KIP	0.97 KIP	0.00 KIP			0.68 KIP		21 IN	(1
		10 PSF	6.87 PSF	3.50 FT	ProfiPlus	0.35 KIP	1.03 KIP	0.00 KIP			0.68 KIP	66	21 IN	(1
		20 PSF	13.75 PSF	3.50 FT	ProfiPlus	0.35 KIP	1.09 KIP	0.00 KIP	1.52 KIP		0.68 KIP	66	21 IN	(1
	130 MPH		20.62 PSF	3.50 FT	ProfiPlus	0.35 KIP	1.16 KIP	0.00 KIP			0.68 KIP		21 IN	(1
		40 PSF	27.49 PSF	3.50 FT	ProfiPlus	0.32 KIP		0.00 KIP			0.62 KIP		19 IN	(1
		50 PSF	34.36 PSF	3.50 FT	ProfiPlus	0.32 KIP	1.41 KIP	0.00 KIP			0.62 KIP	65	19 IN	(1)
		60 PSF	41.24 PSF	3.50 FT	ProfiPlus	0.32 KIP	1.59 KIP	0.00 KIP			0.62 KIP		19 IN	(1)

							ASCE 7-1	0						
TILT	MAX	GROUND	SLOPED	MAX	PURLIN	FR	ONT CONNECT	ON	RI	EAR CONNECTIO	N	BAYS BETWEEN	BALLAST	# OF
1161	WIND	SNOW	ROOF SNOW	SPAN	TYPE	TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR	CROSS BRACING	WIDTH	REBAR
		0 PSF	0.00 PSF	8.50 FT	ProfiPlus	0.33 KIP	1.16 KIP	0.00 KIP	1.66 KIP	1.02 KIP	0.77 KIP	12	22 IN	(1) #5
		10 PSF	6.87 PSF	8.50 FT	ProfiPlus	0.33 KIP	1.30 KIP	0.00 KIP	1.66 KIP	1.13 KIP	0.77 KIP	12	22 IN	(1) #5
		20 PSF	13.75 PSF	8.50 FT	ProfiPlusXT		1.63 KIP	0.00 KIP	1.65 KIP		0.77 KIP	12	22 IN	(1) #5
	110 MPH		20.62 PSF	8.50 FT	ProfiPlusXT		2.11 KIP	0.01 KIP	1.65 KIP		0.77 KIP	12	22 IN	(1) #5
		40 PSF	27.49 PSF	7.25 FT	ProfiPlusXT		2.21 KIP	0.00 KIP	1.41 KIP		0.65 KIP	17	18 IN	(1) #5
		50 PSF	34.36 PSF		ProfiPlusXT		2.53 KIP	0.01 KIP	1.36 KIP		0.63 KIP	17	18 IN	(1) #5
		60 PSF	41.24 PSF	6.50 FT		0.25 KIP	2.71 KIP	0.01 KIP	1.26 KIP		0.58 KIP	22	17 IN	(1) #5
		0 PSF	0.00 PSF	7.75 FT	ProfiPlus	0.34 KIP	1.14 KIP	0.00 KIP	1.66 KIP		0.77 KIP	14	22 IN	(1) #5
		10 PSF	6.87 PSF	7.75 FT	ProfiPlus	0.34 KIP	1.27 KIP	0.00 KIP	1.66 KIP		0.77 KIP	14	22 IN	(1) #5
	445.55	20 PSF	13.75 PSF	7.75 FT		0.34 KIP	1.53 KIP	0.00 KIP	1.66 KIP		0.77 KIP	14	22 IN	(1) #5
	115 MPH		20.62 PSF	7.75 FT	ProfiPlusXT		1.96 KIP	0.00 KIP	1.65 KIP		0.76 KIP	14	22 IN	(1) #5
		40 PSF	27.49 PSF	7.50 FT	ProfiPlusXT		2.32 KIP	0.01 KIP	1.60 KIP		0.74 KIP	17	21 IN	(1) #5
		50 PSF	34.36 PSF	7.00 FT	ProfiPlusXT		2.56 KIP	0.01 KIP	1.49 KIP		0.69 KIP	17	19 IN	(1) #5
		60 PSF	41.24 PSF			0.28 KIP	2.75 KIP	0.01 KIP	1.38 KIP		0.64 KIP	21	18 IN	(1) #5
		0 PSF	0.00 PSF	6.00 FT	ProfiPlus	0.35 KIP	1.09 KIP	0.00 KIP	1.65 KIP		0.75 KIP	28	22 IN	(1) #5
		10 PSF	6.87 PSF	6.00 FT		0.35 KIP	1.20 KIP	0.00 KIP	1.65 KIP		0.75 KIP	28	22 IN	(1) #5
	130 MPH	20 PSF	13.75 PSF	6.00 FT	ProfiPlus	0.35 KIP	1.30 KIP	0.00 KIP	1.65 KIP		0.75 KIP	28	22 IN	(1) #5
		30 PSF	20.62 PSF	6.00 FT	ProfiPlus	0.35 KIP	1.63 KIP	0.00 KIP	1.65 KIP		0.75 KIP	28	22 IN	(1) #5
		40 PSF	27.49 PSF	6.00 FT	ProfiPlus	0.35 KIP	1.97 KIP	0.00 KIP	1.65 KIP		0.75 KIP	28	22 IN	(1) #5
		50 PSF	34.36 PSF	6.00 FT	ProfiPlus	0.35 KIP	2.30 KIP	0.00 KIP	1.65 KIP		0.75 KIP	28	22 IN	(1) #5
20°		60 PSF	41.24 PSF	6.00 FT		0.35 KIP	2.64 KIP	0.00 KIP	1.64 KIP		0.75 KIP	28	21 IN	(1) #5
		0 PSF	0.00 PSF	5.00 FT		0.35 KIP	1.04 KIP	0.00 KIP	1.59 KIP		0.72 KIP	28	21 IN	(1) #5
		10 PSF	6.87 PSF	5.00 FT	ProfiPlus	0.35 KIP	1.13 KIP	0.00 KIP	1.59 KIP		0.72 KIP	28	21 IN	(1) #5
	140 MDU	20 PSF	13.75 PSF	5.00 FT	ProfiPlus	0.35 KIP	1.21 KIP	0.00 KIP	1.59 KIP		0.72 KIP	28	21 IN	(1) #5
	140 MPH		20.62 PSF	5.00 FT	ProfiPlusXT ProfiPlusXT	-	1.42 KIP	0.00 KIP	1.58 KIP		0.72 KIP	28 28	21 IN 21 IN	(1) #5
		40 PSF 50 PSF	27.49 PSF 34.36 PSF	5.00 FT 5.00 FT	ProfiPlusXT		1.70 KIP 1.98 KIP	0.00 KIP	1.58 KIP		0.72 KIP	28	21 IN	(1) #5
		60 PSF	41,24 PSF		ProfiPlusXT		2.27 KIP	0.00 KIP	1.58 KIP		0.72 KIP 0.72 KIP	28	21 IN	(1) #5 (1) #5
		0 PSF	0.00 PSF	4.25 FT	ProfiPlus		1.00 KIP	0.00 KIP			0.72 KIP	39	20 IN	(1) #5
		10 PSF	6.87 PSF		ProfiPlusXT		1.06 KIP	0.00 KIP			0.69 KIP	39	20 IN	(1) #5
		20 PSF	13.75 PSF		ProfiPlusXT	-	1.14 KIP	0.00 KIP			0.69 KIP	39	20 IN	(1) #5
	150 MPH		20.62 PSF		ProfiPlusXT		1.26 KIP	0.00 KIP			0.69 KIP	39	20 IN	(1) #5
	100 1411 111	40 PSF	27.49 PSF		ProfiPlusXT		1.50 KIP	0.00 KIP			0.69 KIP	39	20 IN	(1) #5
		50 PSF	34.36 PSF		ProfiPlusXT		1.74 KIP	0.00 KIP			0.69 KIP	39	20 IN	(1) #5
		60 PSF	41.24 PSF		ProfiPlusXT		1.98 KIP	0.00 KIP			0.69 KIP	39	20 IN	(1) #5
		0 PSF	0.00 PSF	3.75 FT		0.35 KIP	0.99 KIP	0.00 KIP			0.69 KIP	38	20 IN	(1) #5
		10 PSF	6.87 PSF	3.75 FT		0.35 KIP	1.06 KIP	0.00 KIP			0.69 KIP	38	20 IN	(1) #5
		20 PSF	13.75 PSF	3.75 FT		0.35 KIP	1.12 KIP	_			0.69 KIP	38	20 IN	(1) #5
	160 MPH		20.62 PSF	3.75 FT		0.35 KIP	1.19 KIP	0.00 KIP			0.69 KIP	38	20 IN	(1) #5
		40 PSF	27.49 PSF	3.75 FT		0.35 KIP	1.39 KIP	0.00 KIP			0.69 KIP	38	20 IN	(1) #5
		50 PSF	34.36 PSF	3.75 FT	<del> </del>	0.35 KIP	1.60 KIP	0.00 KIP			0.69 KIP	38	20 IN	(1) #5
		60 PSF		3.75 FT	l	0.35 KIP	1.81 KIP	0.00 KIP			0.69 KIP	38	20 IN	(1) #5
	1	00101	T1,271 UI	0.7011	i roiii ius	3.55 KII	1.01 KII	10:00 KII.	IIVT IXII	1.50 1(1	0.00 Kil	J 00	20 II V	(1) *

						ASCE	7-05 W/ SEISM	IIC DESIG	3N					
TII T	MAX	GROUND	SLOPED	MAX	PURLIN	FF	RONT CONNECTIO	N	RI	AR CONNECT	ION	BAYS BETWEEN	BALLAST	# OF
TILT	WIND	SNOW	ROOF SNOW	SPAN	TYPE	TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSIO	N SHEAR	CROSS BRACING	WIDTH	REBAR
		0 PSF	0.00 PSF	9.00 FT	ProfiPlus	0.33 KIP	1.18 KIP	0.05 KIP	1.68 KIP	1.04 KIP	0.78 KIP	9	23 IN	(1) #5
		10 PSF	6.87 PSF	9.00 FT	ProfiPlus	0.33 KIP	1.34 KIP	0.05 KIP	1.68 KIP	1.16 KIP	0.78 KIP	9	23 IN	(1) #5
		20 PSF	13.75 PSF	9.00 FT	ProfiPlusXT	0.33 KIP	1.70 KIP	0.05 KIP	1.67 KIP	1.34 KIP	0.78 KIP	9	23 IN	(1) #5
	85 MPH	30 PSF	20.62 PSF	8.50 FT	ProfiPlusXT	0.31 KIP	2.08 KIP	0.05 KIP	1.58 KIP	1.61 KIP	0.73 KIP	10	21 IN	(1) #5
		40 PSF	27.49 PSF	7.75 FT	ProfiPlusXT	0.29 KIP	2.34 KIP	0.11 KIP	1.44 KIP	1.79 KIP	0.82 KIP	9	27 IN	(2) #5
		50 PSF	34.36 PSF	7.00 FT	ProfiPlusXT	0.26 KIP	2.51 KIP	0.11 KIP	1.29 KIP	1.90 KIP	0.87 KIP	10	28 IN	(2) #5
		60 PSF	41.24 PSF	6.50 FT	ProfiPlusXT	0.24 KIP	2.70 KIP	0.12 KIP	1.20 KIP	2.02 KIP	0.92 KIP	11	29 IN	(2) #5
		0 PSF	0.00 PSF	7.75 FT	ProfiPlus	0.33 KIP	1.12 KIP	0.04 KIP	1.62 KIP	0.99 KIP	0.75 KIP	11	22 IN	(1) #5
		10 PSF	6.87 PSF	7.75 FT	ProfiPlus	0.33 KIP	1.25 KIP	0.04 KIP	1.62 KIP	1.09 KIP	0.75 KIP	11	22 IN	(1) #5
		20 PSF	13.75 PSF	7.75 FT	ProfiPlus	0.33 KIP	1.52 KIP	0.04 KIP	1.62 KIP	1.20 KIP	0.75 KIP	11	22 IN	(1) #5
	90 MPH	30 PSF	20.62 PSF	7.75 FT	ProfiPlusXT	0.33 KIP	1.95 KIP	0.04 KIP	1.62 KIP	1.51 KIP	0.75 KIP	11	22 IN	(1) #5
		40 PSF	27.49 PSF	7.50 FT	ProfiPlusXT	0.32 KIP	2.31 KIP	0.11 KIP	1.56 KIP	1.77 KIP	0.80 KIP	10	27 IN	(2) #5
		50 PSF	34.36 PSF	7.00 FT	ProfiPlusXT	0.30 KIP	2.55 KIP	0.11 KIP	1.46 KIP	1.94 KIP	0.87 KIP	10	28 IN	(2) #5
		60 PSF	41.24 PSF	6.50 FT	ProfiPlusXT	0.28 KIP	2.74 KIP	0.12 KIP	1.35 KIP	2.06 KIP	0.92 KIP	11	29 IN	(2) #5
		0 PSF	0.00 PSF	6.25 FT	ProfiPlus	0.34 KIP	1.08 KIP	0.03 KIP	1.62 KIP	0.96 KIP	0.75 KIP	15	22 IN	(1) #5
		10 PSF	6.87 PSF	6.25 FT	ProfiPlus	0.34 KIP	1.19 KIP	0.03 KIP	1.62 KIP	1.04 KIP	0.75 KIP	15	22 IN	(1) #5
		20 PSF	13.75 PSF	6.25 FT	ProfiPlus	0.34 KIP	1.32 KIP	0.03 KIP	1.62 KIP	1.12 KIP	0.75 KIP	15	22 IN	(1) #5
	100 MPH	30 PSF	20.62 PSF	6.25 FT	ProfiPlus	0.34 KIP	1.67 KIP	0.03 KIP	1.62 KIP	1.30 KIP	0.75 KIP	15	22 IN	(1) #5
		40 PSF	27.49 PSF	6.25 FT	ProfiPlus	0.34 KIP	2.02 KIP	0.09 KIP	1.62 KIP	1.56 KIP	0.75 KIP	12	25 IN	(2) #5
		50 PSF	34.36 PSF	6.25 FT	ProfiPlusXT	0.34 KIP	2.37 KIP	0.10 KIP	1.61 KIP	1.81 KIP	0.79 KIP	12	27 IN	(2) #5
20°		60 PSF	41.24 PSF	6.25 FT	ProfiPlusXT	0.34 KIP	2.72 KIP	0.11 KIP	1.61 KIP	2.06 KIP	0.89 KIP	11	29 IN	(2) #5
U		0 PSF	0.00 PSF	5.00 FT	ProfiPlus	0.34 KIP	1.03 KIP	0.03 KIP	1.57 KIP	0.91 KIP	0.72 KIP	24	22 IN	(1) #5
		10 PSF	6.87 PSF	5.00 FT	ProfiPlus	0.34 KIP	1.11 KIP	0.03 KIP	1.57 KIP	0.97 KIP	0.72 KIP	24	22 IN	(1) #5
		20 PSF	13.75 PSF	5.00 FT	ProfiPlus	0.34 KIP	1.20 KIP	0.03 KIP	1.57 KIP	1.03 KIP	0.72 KIP	24	22 IN	(1) #5
	110 MPH	30 PSF	20.62 PSF	5.00 FT	ProfiPlusXT	0.34 KIP	1.41 KIP	0.03 KIP	1.56 KIP	1.10 KIP	0.71 KIP	24	21 IN	(1) #5
		40 PSF	27.49 PSF	5.00 FT	ProfiPlusXT	0.34 KIP	1.70 KIP	0.07 KIP	1.56 KIP	1.30 KIP	0.71 KIP	18	23 IN	(1) #5
		50 PSF	34.36 PSF	5.00 FT	ProfiPlusXT	0.34 KIP	1.98 KIP	0.08 KIP	1.56 KIP	1.50 KIP	0.71 KIP	17	25 IN	(2) #5
		60 PSF	41.24 PSF	5.00 FT	ProfiPlusXT	0.34 KIP	2.26 KIP	0.09 KIP	1.56 KIP	1.70 KIP	0.73 KIP	16	26 IN	(2) #5
		0 PSF	0.00 PSF	4.25 FT	ProfiPlus	0.35 KIP	1.02 KIP	0.02 KIP	1.58 KIP	0.90 KIP	0.72 KIP	24	22 IN	(1) #5
		10 PSF	6.87 PSF	4.25 FT	ProfiPlus	0.35 KIP	1.09 KIP	0.02 KIP	1.58 KIP	0.95 KIP	0.72 KIP	24	22 IN	(1) #5
		20 PSF	13.75 PSF	4.25 FT	ProfiPlus	0.35 KIP	1.17 KIP	0.02 KIP	1.58 KIP	1.00 KIP	0.72 KIP	24	22 IN	(1) #5
	120 MPH	30 PSF	20.62 PSF	4.25 FT	ProfiPlus	0.35 KIP	1.28 KIP	0.02 KIP	1.58 KIP	1.06 KIP	0.72 KIP	24	22 IN	(1) #5
		40 PSF	27.49 PSF	4.25 FT	ProfiPlus	0.35 KIP	1.52 KIP	0.06 KIP	1.58 KIP	1.17 KIP	0.72 KIP	19	22 IN	(1) #5
		50 PSF	34.36 PSF	4.25 FT	ProfiPlus	0.35 KIP	1.76 KIP	0.07 KIP	1.58 KIP	1.34 KIP	0.72 KIP	18	23 IN	(1) #5
		60 PSF	41.24 PSF	4.25 FT	ProfiPlus	0.35 KIP	2.00 KIP	0.08 KIP	1.58 KIP	1.51 KIP	0.72 KIP	17	25 IN	(2) #5
		0 PSF	0.00 PSF	3.50 FT	ProfiPlus	0.35 KIP		0.02 KIP	<del></del>	0.84 KIP	0.68 KIP	35	21 IN	(1) #5
		10 PSF	6.87 PSF	3.50 FT	ProfiPlus	0.35 KIP	1.03 KIP	0.02 KIP	1.52 KIP	0.89 KIP	0.68 KIP	35	21 IN	(1) #5
		20 PSF	13.75 PSF	3.50 FT	ProfiPlus	0.35 KIP	1.09 KIP	0.02 KIP	1.52 KIP	0.93 KIP	0.68 KIP	35	21 IN	(1) #5
	130 MPH	30 PSF	20.62 PSF	3.50 FT	ProfiPlus	0.35 KIP	1.16 KIP	0.02 KIP	1.52 KIP	0.97 KIP	0.68 KIP	35	21 IN	(1) #5
		40 PSF	27.49 PSF	3.25 FT	ProfiPlusXT	0.32 KIP	1.22 KIP	0.04 KIP	1.40 KIP	0.94 KIP	0.62 KIP	26	19 IN	(1) #5
		50 PSF	34.36 PSF	3.25 FT	ProfiPlusXT	0.32 KIP	1.41 KIP	0.05 KIP	1.40 KIP	1.05 KIP	0.62 KIP	24	21 IN	(1) #5
		60 PSF	41.24 PSF	3.25 FT	ProfiPlusXT	0.32 KIP	1.59 KIP	0.06 KIP	1.40 KIP	1.18 KIP	0.62 KIP	23	22 IN	(1) #5

							7-10 W/ SEISN		GN					
TILT	MAX	GROUND	SLOPED	MAX	PURLIN		RONT CONNECTI	ON	RE	AR CONNECTIO	N	BAYS BETWEEN	I	# OF
1,50	WIND	SNOW	ROOF SNOW	SPAN	TYPE	TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR	CROSS BRACING	WIDTH	REBAR
		0 PSF	0.00 PSF	8.50 FT	ProfiPlus	0.33 KIP	1.16 KIP	0.05 KIP	1.66 KIP	1.02 KIP	0.77 KIP	10	22 IN	(1) #5
		10 PSF	6.87 PSF	8.50 FT	ProfiPlus	0.33 KIP	1.30 KIP	0.05 KIP	1.66 KIP	1.13 KIP	0.77 KIP	10	22 IN	(1) #
		20 PSF	13.75 PSF	8.50 FT	ProfiPlusXT	0.33 KIP	1.63 KIP	0.05 KIP	1.65 KIP	1.28 KIP	0.77 KIP	10	22 IN	(1) #
	110 MPH	30 PSF	20.62 PSF	8.50 FT	ProfiPlusXT	0.33 KIP	2.11 KIP	0.05 KIP	1.65 KIP	1.63 KIP	0.77 KIP	10	22 IN	(1) #
		40 PSF	27.49 PSF	7.25 FT	ProfiPlusXT	0.28 KIP	2.21 KIP	0.10 KIP	1.41 KIP	1.69 KIP	0.78 KIP	10	26 IN	(2) #
		50 PSF	34.36 PSF	7.00 FT	ProfiPlusXT	0.27 KIP	2.53 KIP	<del>-</del>	1.36 KIP	1.91 KIP	0.87 KIP		28 IN	(2) #
		60 PSF	41.24 PSF	6.50 FT	ProfiPlusXT	0.25 KIP	2.71 KIP	0.12 KIP	1.26 KIP	2.04 KIP	0.92 KIP	11	29 IN	(2) #
		0 PSF	0.00 PSF	7.75 FT	ProfiPlus	0.34 KIP	1.14 KIP	0.04 KIP	1.66 KIP	1.01 KIP	0.77 KIP		22 IN	(1)#
		10 PSF	6.87 PSF	7.75 FT	ProfiPlus	0.34 KIP	1.27 KIP	0.04 KIP	1.66 KIP	1.11 KIP	0.77 KIP	11	22 IN	(1)#
		20 PSF	13.75 PSF	7.75 FT	ProfiPlus	0.34 KIP	1.53 KIP	0.04 KIP	1.66 KIP	1.21 KIP	0.77 KIP	11	22 IN	(1) #
	115 MPH	30 PSF	20.62 PSF	7.75 FT			1.96 KIP	0.04 KIP	1.65 KIP	1.52 KIP	0.76 KIP	11	22 IN	(1) #
		40 PSF	27.49 PSF		ProfiPlusXT		2.32 KIP	0.11 KIP	1.60 KIP	1.78 KIP	0.80 KIP	10	27 IN	(2) #
		50 PSF	34.36 PSF	7.00 FT	ProfiPlusXT	0.31 KIP	2.56 KIP	0.11 KIP	1. <b>4</b> 9 KIP	1.95 KIP	0.87 KIP	10	28 IN	(2)#
	1	60 PSF	41.24 PSF	6.50 FT	ProfiPlusXT	0.28 KIP	2.75 KIP	0.12 KIP	1.38 KIP	2.07 KIP	0.92 KIP	11	29 IN	(2)#
		0 PSF	0.00 PSF	6.00 FT	ProfiPlus	0.35 KIP	1.09 KIP	0.03 KIP	1.65 KIP	0.97 KIP	0.75 KIP	18	22 IN	(1)#
		10 PSF	6.87 PSF	6.00 FT	ProfiPlus	0.35 KIP	1.20 KIP	0.03 KIP	1.65 KIP	1.04 KIP	0.75 KIP	18	22 IN	(1)#
		20 PSF	13.75 PSF	6.00 FT	ProfiPlus	0.35 KIP	1.30 KIP	0.03 KIP	1.65 KIP	1.12 KIP	0.75 KIP	18	22 IN	(1)#
	5	30 PSF	20.62 PSF	6.00 FT	ProfiPlus	0.35 KIP	1.63 KIP	0.03 KIP	1.65 KIP	1.27 KIP	0.75 KIP	18	22 IN	(1)#
		40 PSF	27.49 PSF	6.00 FT	ProfiPlus	0.35 KIP	1.97 KIP	0.09 KIP	1.65 KIP	1.52 KIP	0.75 KIP	14	24 IN	(2) #
		50 PSF	34.36 PSF	6.00 FT	ProfiPlus	0.35 KIP	2.30 KIP	0.10 KIP	1.65 KIP	1.76 KIP	0.75 KIP	14	26 IN	(2) #
20°		60 PSF	41.24 PSF	6.00 FT	ProfiPlusXT	0.35 KIP	2.64 KIP	0.11 KIP	1.64 KIP	2.00 KIP	0.86 KIP	13	28 IN	(2)#
20		0 PSF	0.00 PSF	5.00 FT	ProfiPlus	0.35 KIP	1.04 KIP	0.03 KIP	1.59 KIP	0.92 KIP	0.72 KIP	24	21 IN	(1)#
		10 PSF	6.87 PSF	5.00 FT	ProfiPlus	0.35 KIP	1.13 KIP	0.03 KIP	1.59 KIP	0.98 KIP	0.72 KIP	24	21 IN	(1)#
		20 PSF	13.75 PSF	5.00 FT	ProfiPlus	0.35 KIP	1.21 KIP	0.03 KIP	1.59 KIP	1.04 KIP	0.72 KIP	24	21 IN	(1)#
	140 MPH	30 PSF	20.62 PSF	5.00 FT	ProfiPlusXT	0.35 KIP	1.42 KIP	0.03 KIP	1.58 KIP	1.10 KIP	0.72 KIP	24	21 IN	(1)#
		40 PSF	27.49 PSF	5.00 FT	ProfiPlusXT	0.35 KIP	1.70 KIP	0.07 KIP	1.58 KIP	1.30 KIP	0.72 KIP	18	23 IN	(1)#
		50 PSF	34.36 PSF	5.00 FT	ProfiPlusXT	0.35 KIP	1.98 KIP	0.08 KIP	1.58 KIP	1.50 KIP	0.72 KIP	17	25 IN	(2) #
		60 PSF	41.24 PSF	5.00 FT	ProfiPlusXT	0.35 KIP	2.27 KIP	0.09 KIP	1.58 KIP	1.71 KIP	0.73 KIP	16	26 IN	(2)#
		0 PSF	0.00 PSF	4.25 FT	ProfiPlus	0.34 KIP	1.00 KIP	0.02 KIP	1.55 KIP	0.88 KIP	0.70 KIP	24	20 IN	(1)#
		10 PSF	6.87 PSF	4.25 FT	ProfiPlusXT	0.34 KIP	1.06 KIP	0.02 KIP	1.53 KIP	0.92 KIP	0.69 KIP	24	20 IN	(1)#
		20 PSF	13.75 PSF	4.25 FT	ProfiPlusXT	0.34 KIP	1.14 KIP	0.02 KIP	1.53 KIP	0.98 KIP	0.69 KIP	24	20 IN	(1)#
	150 MPH	30 PSF	20.62 PSF	4.25 FT	ProfiPlusXT	0.34 KIP	1.26 KIP	0.02 KIP	1.53 KIP	1.03 KIP	0.69 KIP	24	20 IN	(1)#
		40 PSF	27.49 PSF	4.25 FT	ProfiPlusXT	0.34 KIP	1.50 KIP	0.06 KIP	1.53 KIP	1.15 KIP	0.69 KIP	19	21 IN	(1)#
		50 PSF	34.36 PSF	4.25 FT	ProfiPlusXT	0.34 KIP	1.74 KIP	0.06 KIP	1.53 KIP	1.32 KIP	0.69 KIP	18	23 IN	(1)#
		60 PSF	41.24 PSF	4.25 FT	ProfiPlusXT	0.34 KIP	1.98 KIP	0.07 KIP	1.53 KIP	1.48 KIP	0.69 KIP	17	25 IN	(2) #
		0 PSF	0.00 PSF	3.75 FT	ProfiPlus	0.35 KIP	0.99 KIP	0.02 KIP	1.54 KIP	0.86 KIP	0.69 KIP	34	20 IN	(1)#
		10 PSF	6.87 PSF	3.75 FT	ProfiPlus	0.35 KIP	1.06 KIP	0.02 KIP	1.54 KIP	0.91 KIP	0.69 KIP		20 IN	(1)#
		20 PSF	13.75 PSF	3.75 FT	ProfiPlus	0.35 KIP	1.12 KIP	0.02 KIP	1.54 KIP	0.96 KIP	0.69 KIP	34	20 IN	(1)#
	160 MPH		20.62 PSF	3.75 FT		0.35 KIP	1.19 KIP		1.54 KIP	1.00 KIP	0.69 KIP		20 IN	(1)#
		40 PSF	27.49 PSF	3.75 FT	ProfiPlus	0.35 KIP	1.39 KIP		1.54 KIP	1.06 KIP	0.69 KIP		20 IN	(1)#
		50 PSF	34.36 PSF	3.75 FT	ProfiPlus	0.35 KIP	1.60 KIP		1.54 KIP	1.21 KIP	0.69 KIP		22 IN	(1)#
		60 PSF		3.75 FT	<del> </del>	0.35 KIP			1.54 KIP	1.36 KIP	0.69 KIP		24 IN	(2) #

-	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					
K	5					
	6					
	7					
	0					

SCHLETTER

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

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

20° 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 SHEET: 4b of 4

SCALE: SEE DRAWING VIEWS

Slop	e Factor By Till
Tilt	Cs
15°	1.00
20°	0.91
25°	0.82
30°	0.73
35°	0.64

							ASCE 7-0	5						
	MAX	GROUND	SLOPED	MAX	PURLIN	FF	RONT CONNECTIO		R	EAR CONNECTIO	N	BAYS BETWEEN	BALLAST	# OF
TILT	WIND	SNOW	ROOF SNOW	SPAN	TYPE	TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR	CROSS BRACING		REBAR
		0 PSF	0.00 PSF	8.50 FT	ProfiPlus	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	ProfiPlus	0.14 <b>K</b> IP	1.13 KIP	0.00 KIP	1.73 KIP	1.19 KIP	0.93 <b>K</b> IP	12	22 IN	(1) #5
		20 PSF	12.37 PSF	8.50 FT	ProfiPlus	0.14 KIP	1.45 KIP	0.00 KIP	1.73 KIP	1.29 KIP	0.93 KIP	12	22 IN	(1) #5
	85 MPH	30 PSF	18.56 PSF	8.50 FT	ProfiPlusXT	0.14 KIP	1.88 KJP	0.01 <b>KI</b> P	1.73 KJP	1.54 KIP	0.93 KIP	12	22 IN	(1) #5
		40 PSF	24.74 PSF	7.75 <b>FT</b>	ProfiPlusXT	0.13 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	ProfiPlusXT	0.12 <b>K</b> IP	2.34 KIP	0.01 KIP	1.47 KIP	1.84 KIP	0.79 <b>K</b> IP	17	19 IN	(1) #5
		60 PSF	37.11 PSF	6.75 FT	ProfiPlusXT	0.11 <b>K</b> IP	2.52 KIP	0.01 KIP	1.36 KIP	1.95 <b>KI</b> P	0.73 <b>KI</b> P	21	18 IN	(1) #5
		0 PSF	0.00 PSF	7.50 FT	ProfiPlus	0.15 <b>K</b> IP	0.97 KIP	0.00 KIP	1.72 <b>KI</b> P	1.07 KIP	0.92 <b>K</b> IP	17	22 IN	(1) #5
		10 PSF	6.19 PSF	7.50 FT	ProfiPlus	0.15 KIP	1.09 KIP	0.00 <b>KI</b> P	1.72 KIP	1.15 KIP	0.92 KIP	17	22 IN	(1) #5
		20 PSF	12.37 PSF	7.50 <b>FT</b>	ProfiPlus	0.15 KIP	1.32 KJP	0.00 KIP	1.72 KIP	1.24 KIP	0.92 KIP	17	22 IN	(1) #5
	90 MPH	30 PSF	18.56 PSF	7.50 FT	ProfiPlus	0.15 <b>K</b> IP	1.70 KIP	0.00 KIP	1.72 KIP	1.41 KIP	0.92 <b>K</b> IP	17	22 IN	(1) #5
		40 PSF	24.74 PSF	7.50 FT	ProfiPlusXT	0.15 <b>K</b> IP	2.08 KIP	0.01 KIP	1.71 KIP	1.68 KIP	0.92 <b>K</b> IP	17	22 IN	(1) #5
		50 PSF	30.93 PSF	7.00 FT	ProfiPlusXT	0.14 KIP	2.30 KIP	0.01 KIP	1.59 KIP	1.82 KIP	0.86 <b>K</b> IP	17	21 IN	(1) #5
		60 PSF	37.11 PSF	6.50 FT	ProfiPlusXT	0.13 KIP	2.47 KIP	0.01 <b>KI</b> P	1.48 KIP	1.92 KIP	0.79 KIP	21	19 IN	(1) #5
		0 PSF	0.00 PSF	6.00 FT	ProfiPlus	0.16 KIP	0.93 <b>KI</b> P		1.70 KJP	1.03 KIP	0.91 KIP		22 IN	(1) #5
		10 PSF	6.19 PSF	6.00 FT	ProfiPlus	0.16 KIP	1.02 <b>KI</b> P	0.00 KIP		1.10 KIP	0.91 KIP		22 IN	(1) #5
		20 PSF	12.37 PSF	6.00 FT	ProfiPlus	0.16 KIP	1.14 KIP	0.00 KIP	1.70 KIP	1.16 KIP	0.91 <b>K</b> IP	21	22 IN	(1) #5
	2	30 PSF	18.56 PSF	6.00 FT	ProfiPlus	0.16 KIP	1.44 KJP	0.00 KIP	1.70 KIP	1.23 KIP	0.91 KIP		22 IN	(1) #5
		40 PSF	24.74 PSF	6.00 FT	ProfiPlus	0.16 <b>K</b> IP	1.75 KIP	0.00 KIP	1.70 KIP	1.43 KIP	0.91 <b>K</b> IP		22 IN	(1) #5
		50 PSF	30.93 PSF	6.00 FT	ProfiPlus	0.16 KIP	2.05 KIP				0.91 KIP		22 IN	(1) #5
25°		60 PSF	37.11 PSF		ProfiPlusXT	0.16 KIP	2.36 KJP	0.01 KIP			0.90 KIP		22 IN	(1) #5
2.0		0 PSF	0.00 PSF	5.00 FT	ProfiPlus	0.18 <b>K</b> IP	0.92 KIP	0.00 KIP			0.91 <b>K</b> IP		22 IN	(1) #5
		10 PSF	6.19 PSF	5.00 FT	ProfiPlus	0.18 <b>K</b> IP	1.00 KIP	0.00 KIP			0.91 KIP		22 IN	(1) #5
	l <u></u>	20 PSF	12.37 PSF	5.00 FT	ProfiPlus	0.18 KIP	1.08 KIP	0.00 KIP			0.91 KIP	·	22 IN	(1) #5
	110 MPH		18.56 PSF	5.00 FT	ProfiPlus	0.18 KIP	1.28 KIP	0.00 KIP		-	0.91 KIP	+	22 IN	(1) #5
		40 PSF	24.74 PSF	5.00 FT	ProfiPlus	0.18 KIP	1.53 KIP	0.00 <b>KI</b> P			0.91 KIP		22 IN	(1) #5
		50 PSF	30.93 PSF	5.00 FT	ProfiPlus	0.18 KIP	1.78 KIP	0.00 KIP			0.91 KIP		22 IN	(1) #5
		60 PSF	37.11 PSF	5.00 FT	ProfiPlus	0.18 KIP		0.00 KIP			0.91 KIP		22 IN	(1) #5
		0 PSF	0.00 PSF			0.18 KIP			1.62 KIP		0.85 KIP		21 IN	(1) #5
		10 PSF	6.19 PSF	4.00 FT	ProfiPlus	0.18 KIP	0.92 KJP	0.00 KIP			0.85 KIP	<del></del>	21 IN	(1) #5
		20 PSF	12.37 PSF	4.00 FT	ProfiPlus	0.18 KIP		0.00 KIP			0.85 KIP		21 IN	(1) #5
	120 MPH		18.56 PSF	4.00 FT	ProfiPlus	0.18 KIP		0.00 KIP			0.85 KIP		21 IN	(1) #5
		40 PSF	24.74 PSF	4.00 FT	ProfiPlus	0.18 <b>K</b> IP	1.29 KIP	0.00 KIP			0.85 <b>KIP</b>		21 IN	(1) #5
		50 PSF	30.93 PSF	4.00 FT	ProfiPlus	0.18 KIP		0.00 KIP			0.85 KIP		21 IN	(1) #5
		60 PSF	37.11 PSF	4.00 FT	ProfiPlus	0.18 KIP	1.70 KIP	0.00 KIP			0.85 KIP	<del></del>	21 IN	(1) #5
		0 PSF	0.00 PSF	3.50 FT	ProfiPlus	0.19 KIP	0.87 KIP	0.00 KIP			0.86 KIP	<del></del>	22 IN	(1) #5
		10 PSF	6.19 PSF	3.50 FT	ProfiPlus	0.19 KIP	0.93 KIP	0.00 KIP			0.86 KIP		22 IN	(1) #5
		20 PSF	12.37 PSF	3.50 FT	ProfiPlus	0.19 KIP	0.98 KIP	0.00 KIP			0.86 KIP		22 IN	(1) #5
	130 MPH		18.56 PSF	3.50 FT	ProfiPlus	0.19 KIP	1.04 KIP	0.00 KIP			0.86 KIP		22 IN	(1) #5
		40 PSF	24.74 PSF		ProfiPlusXT	<del>}</del>	1.18 KIP	0.00 KIP			0.84 KIP	<del></del>	21 IN	(1) #5
		50 PSF	30.93 PSF		ProfiPlusXT	<del></del>	1.36 KIP	0.00 KIP			0.84 KIP	<del></del>	21 IN	(1) #5
		60 PSF	37.11 PSF	3.50 FT	ProfiPlusXT	0.19 KIP	1.54 KIP	0.00 KIP	1.63 KIP	1.21 KIP	0.84 KIP	62	21 IN	(1) #5

							ASCE 7-1	0						
TILT	MAX	GROUND	SLOPED	MAX	PURLIN	FF	RONT CONNECTION	NC	R	EAR CONNECTIO	N	BAYS BETWEEN	BALLAST	# OF
1111	WIND	SNOW	ROOF SNOW	SPAN	TYPE	TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR	CROSS BRACING	WIDTH	REBAR
		0 PSF	0.00 PSF	8.00 FT	ProfiPlus	0.15 KIP	0.98 KIP	0.00 KIP	1.71 KJP	1.07 KIP	0.92 KIP	14	21 IN	(1) #5
		10 PSF	6.19 PSF	8.00 FT	ProfiPlus	0.15 <b>K</b> IP	1.10 KIP	0.00 KIP	1.71 KIP	1.16 KIP	0.92 <b>K</b> IP	14	21 IN	(1) #5
		20 PSF	12.37 PSF	8.00 FT	ProfiPlus	0.15 <b>K</b> IP	1.38 KIP	0.00 KIP	1.71 KIP	1.26 KIP	0.92 <b>K</b> IP	14	21 IN	(1) #5
	110 MPH	30 PSF	18.56 PSF	8.00 FT	ProfiPlusXT	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 <b>FT</b>	ProfiPlusXT	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	ProfiPlusXT	0.13 KIP	2.27 <b>KI</b> P	0.01 <b>KI</b> P	1.48 KIP	1.79 KIP	0.80 KIP	17	18 IN	(1) #5
		60 PSF	37.11 PSF	6.50 FT	ProfiPlusXT	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	ProfiPlus	0.15 <b>K</b> IP	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 <b>FT</b>	ProfiPlus	0.15 KIP	1.07 KIP	0.00 <b>KI</b> P	1.69 KIP	1.13 KIP	0.91 KIP	17	21 IN	(1) #5
		20 PSF	12.37 PSF	7.25 FT	ProfiPlus	0.15 KIP	1.29 <b>KI</b> P	0.00 <b>KI</b> P	1.69 KJP	1.22 KIP	0.91 KIP	17	21 IN	(1) #5
	115 MPH	30 PSF	18.56 PSF	7.25 FT	ProfiPlus	0.15 KIP	1.65 KIP	0.00 <b>KI</b> P	1.69 KIP	1.38 KIP	0.91 KIP	17	21 IN	(1) #5
		40 PSF	24.74 PSF	7.25 FT	ProfiPlusXT	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	ProfiPlusXT	0.15 <b>K</b> IP	2.31 KIP	0.01 KIP	1.63 KIP	1.83 KIP	0.87 <b>KIP</b>	17	20 IN	(1) #5
		60 PSF	37.11 PSF	6.50 FT	ProfiPlusXT	0.14 <b>K</b> IP	2.47 KIP	0.01 KIP	1.51 KIP	1.93 KIP	0.81 <b>K</b> IP	21	19 IN	(1) #5
		0 PSF	0.00 PSF	5.75 FT	ProfiPlusXT	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	ProfiPlusXT	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	ProfiPlusXT	0.17 KIP	1.11 KIP	0.00 <b>KI</b> P	1.71 KJP	1.16 KIP	0.91 KIP	28	21 IN	(1) #5
	130 MPH	30 PSF	18.56 PSF	5.75 <b>FT</b>	ProfiPlusXT	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	ProfiPlusXT	0.17 KIP	1.70 KIP	0.00 KIP	1.71 KIP	1.39 <b>K</b> IP	0.91 KIP	28	21 IN	(1) #5
		50 PSF	30.93 PSF	5.75 FT	ProfiPlusXT	0.17 KIP	1.99 KIP	0.00 KIP	1.71 KIP	1.59 KIP	0.91 KIP	28	21 IN	(1) #5
25°		60 PSF	37.11 PSF	5.75 FT	ProfiPlusXT	0.17 KIP	2.28 KIP	0.00 <b>KI</b> P	1.71 KJP	1.80 KIP	0.91 KIP	28	21 IN	(1) #5
25		0 PSF	0.00 PSF	4.75 <b>FT</b>	ProfiPlus	0.17 KIP	0.88 KIP	0.00 KIP	1.65 KIP	0.97 <b>KI</b> P	0.87 KIP	39	21 IN	(1) #5
		10 PSF	6.19 PSF	4.75 FT	ProfiPlus	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	ProfiPlus	0.17 <b>K</b> IP	1.03 KIP	0.00 KIP	1.65 KIP	1.08 KIP	0.87 <b>KI</b> P	39	21 IN	(1) #5
	140 MPH	30 PSF	18.56 PSF	4.75 FT	ProfiPlus	0.17 <b>K</b> IP	1.22 KIP	0.00 KIP	1.65 KIP	1.13 KIP	0.87 <b>K</b> IP	39	21 IN	(1) #5
		40 PSF	24.74 PSF	4.75 FT	ProfiPlus	0.17 KIP	1.46 KIP	0.00 <b>KI</b> P	1.65 KIP	1.21 KIP	0.87 KIP	39	21 IN	(1) #5
		50 PSF	30.93 PSF	4.75 FT	ProfiPlus	0.17 KIP	1.70 KJP	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	ProfiPlus	0.17 <b>K</b> IP	1.94 KIP	0.00 KIP	1.65 KIP	1.55 KIP	0.87 <b>KI</b> P	39	21 IN	(1) #5
		0 PSF	0.00 PSF	4.25 FT	ProfiPlus	0.18 KIP	0.89 <b>KI</b> P	0.00 KIP	1.69 KIP	0.98 <b>KI</b> P	0.89 KIP	38	21 IN	(1) #5
		10 PSF	6.19 PSF	4.25 FT	ProfiPlus	0.18 KIP	0.96 KIP	0.00 KIP	1.69 KIP	1.03 KIP	0.89 <b>KIP</b>	38	21 IN	(1) #5
		20 PSF	12.37 PSF	4.25 FT	ProfiPlus	0.18 KIP	1.03 KIP	0.00 KIP	1.69 KIP	1.08 KIP	0.89 KIP	38	21 IN	(1) #5
	150 MPH	30 PSF	18.56 PSF	4.25 FT	ProfiPlus	0.18 KIP	1.14 KJP	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	ProfiPlus	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	ProfiPlus	0.18 KIP	1.58 KIP	0.00 KIP	1.69 KIP	1.28 KIP	0.89 <b>K</b> IP	38	21 IN	(1) #5
		60 PSF	37.11 PSF	4.25 FT	ProfiPlus	0.18 <b>K</b> IP	1.79 KIP	0.00 KIP	1.69 KIP	1.43 KIP	0.89 <b>K</b> IP	38	21 IN	(1) #5
		0 PSF	0.00 PSF	3.50 FT	ProfiPlus	0.18 <b>K</b> IP	0.83 KIP	0.00 KIP	1.56 KIP	0.90 KIP	0.81 <b>K</b> IP	63	20 IN	(1) #5
		10 PSF	6.19 PSF	3.50 FT	ProfiPlus	0.18 KIP	0.88 KIP	0.00 KIP		0.94 KIP	0.81 KIP	63	20 IN	(1) #5
		20 PSF	12.37 PSF	3.50 FT	ProfiPlus	0.18 KIP		0.00 KIP		0.97 KIP	0.81 KIP	63	20 IN	(1) #5
	160 MPH	30 PSF	18.56 PSF	3.50 FT	ProfiPlus	0.18 <b>K</b> IP	0.99 KIP	0.00 KIP	1.56 KIP	1.01 KIP	0.81 <b>K</b> IP	63	20 IN	(1) #5
		40 PSF	24.74 PSF	3.50 FT	ProfiPlus	0.18 <b>K</b> IP					0.81 <b>K</b> IP	63	20 IN	(1) #5
		50 PSF	30.93 PSF	3.50 FT	ProfiPlus	0.18 KIP	1.35 KIP	0.00 KIP	1.56 KIP	1.09 KIP	0.81 <b>K</b> IP	63	20 IN	(1) #5
		60 PSF	37.11 PSF	3.50 FT	ProfiPlus	0.18 KIP	1.53 KIP	0.00 KIP	1.56 KIP	1.21 KIP	0.81 KIP	63	20 IN	(1) #5

						ASCE	7-05 W/ SEISM	IIC DESIG	3N					
TILT	MAX	GROUND	SLOPED	MAX	PURLIN	FF	RONT CONNECTIO	N	RI	EAR CONNECTION	N	BAYS BETWEEN	BALLAST	# OF
IIL I	WIND	SNOW	ROOF SNOW	SPAN	TYPE	TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR	CROSS BRACING	WIDTH	REBAR
		0 PSF	0.00 PSF	8.50 FT	ProfiPlus	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	ProfiPlus	0.14 KIP	1.13 KIP	0.05 <b>K</b> IP	1.73 KIP	1.19 KIP	0.93 KIP	10	22 IN	(1) #5
		20 PSF	12.37 PSF	8.50 FT	ProfiPlus	0.14 KIP	1.45 KIP	0.05 KIP	1.73 KIP	1.29 KIP	0.93 KIP	10	22 IN	(1) #5
	85 MPH	30 PSF	18.56 PSF	8.50 FT	ProfiPlusXT	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	ProfiPlusXT	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	ProfiPlusXT	0.12 KIP	2.34 KIP	0.12 <b>K</b> IP	1.47 KIP	1.84 KIP	0.90 KIP	10	29 IN	(2) #5
		60 PSF	37.11 PSF	6.75 FT	ProfiPlusXT	0.11 KIP	2.52 KIP	0.12 <b>K</b> IP	1.36 KIP	1.95 KIP	0.96 KIP	10	30 IN	(2) #5
		0 PSF	0.00 PSF	7.50 FT	ProfiPlus	0.15 KIP	0.97 KIP	0.04 <b>K</b> IP	1.72 KIP	1.07 KIP	0.92 KIP	11	22 IN	(1) #5
		10 PSF	6.19 PSF	7.50 FT	ProfiPlus	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	ProfiPlus	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	ProfiPlus	0.15 KIP	1.70 KIP	0.04 <b>K</b> IP	1.72 KIP	1.41 KIP	0.92 KIP	11	22 IN	(1) #5
		40 PSF	24.74 PSF	7.50 FT	ProfiPlusXT	0.15 KIP	2.08 KIP	0.11 <b>K</b> IP	1.71 KIP	1.68 <b>KI</b> P	0.92 KIP	9	27 IN	(2) #5
		50 PSF	30.93 PSF	7.00 FT	ProfiPlusXT	0.14 KIP	2.30 KIP	0.12 <b>K</b> IP	1.59 KIP	1.82 KIP	0.87 KIP	10	28 IN	(2) #5
		60 PSF	37.11 PSF	6.50 FT	ProfiPlusXT	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	ProfiPlus	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	ProfiPlus	0.16 KIP	1.02 KIP	0.03 KIP	1.70 KIP	1.10 KIP	0.91 KIP	15	22 IN	(1) #5
	100 MPH ;	20 PSF	12.37 PSF	6.00 FT	ProfiPlus	0.16 KIP	1.14 KIP	0.03 <b>K</b> IP	1.70 KIP	1.16 KIP	0.91 KIP	15	22 IN	(1) #5
		30 PSF	18.56 PSF	6.00 FT	ProfiPlus	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	ProfiPlus	0.16 KIP	1.75 KIP	0.09 <b>K</b> IP	1.70 KIP	1.43 KIP	0.91 KIP	12	24 IN	(2) #5
		50 PSF	30.93 PSF	6.00 FT	ProfiPlus	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	ProfiPlusXT	0.16 KIP	2.36 KIP	0.11 KIP	1.69 KIP	1.85 KIP	0.90 KIP	11	29 IN	(2) #5
25		0 PSF	0.00 PSF	5.00 FT	ProfiPlus	0.18 KIP	0.92 KIP	0.03 <b>K</b> IP	1.71 KIP	1.01 KIP	0.91 KIP	19	22 IN	(1) #5
		10 PSF	6.19 PSF	5.00 FT	ProfiPlus	0.18 KIP	1.00 KIP	0.03 <b>K</b> IP	1.71 KIP	1.07 <b>KI</b> P	0.91 KIP	19	22 IN	(1) #5
		20 PSF	12.37 PSF	5.00 FT	ProfiPlus	0.18 KIP	1.08 KIP	0.03 KIP	1.71 KIP	1.13 KIP	0.91 KIP	19	22 IN	(1) #5
	110 MPH	30 PSF	18.56 PSF	5.00 FT	ProfiPlus	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	ProfiPlus	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	ProfiPlus	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	ProfiPlus	0.18 KIP	2.04 KIP	0.09 <b>K</b> IP	1.71 KIP	1.62 KIP	0.91 KIP	14	27 IN	(2) #5
		0 PSF	0.00 PSF	4.00 FT	ProfiPlus	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	ProfiPlus	0.18 KIP	0.92 KIP	0.02 KIP	1.62 KIP	0.99 KIP	0.85 KIP	24	21 IN	(1) #5
		20 PSF	12.37 PSF	4.00 FT	ProfiPlus	0.18 KIP	0.99 KIP	0.02 KIP	1.62 KIP	1.03 KIP	0.85 KIP	24	21 IN	(1) #5
	120 MPH	30 PSF	18.56 PSF	4.00 FT	ProfiPlus	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	ProfiPlus	0.18 KIP	1.29 KIP	0.05 <b>K</b> IP	1.62 KIP	1.12 KIP	0.85 KIP	19	21 IN	(1) #5
		50 PSF	30.93 PSF	4.00 FT	ProfiPlus	0.18 KIP	1.49 KIP	0.06 <b>K</b> IP	1.62 KIP	1.21 KIP	0.85 KIP	18	23 IN	(1) #5
		60 PSF	37.11 PSF	4.00 FT	ProfiPlus	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	ProfiPlus	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	ProfiPlus	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	ProfiPlus	0.19 KIP	0.98 KIP	0.02 KIP	1.65 KIP	1.02 KIP	0.86 KIP	34	22 IN	(1) #5
	130 MPH	30 PSF	18.56 PSF	3.50 FT	ProfiPlus	0.19 KIP	1.04 KIP	0.02 <b>K</b> IP	1.65 KIP	1.06 KIP	0.86 KIP	34	22 IN	(1) #5
		40 PSF	24.74 PSF	3.50 FT	ProfiPlusXT	0.19 KIP	1.18 KIP	0.04 KIP	1.63 KIP	1.08 KIP	0.84 KIP	25	21 IN	(1) #5
		50 PSF	30.93 PSF	<b>-</b>	ProfiPlusXT		<del> </del>	0.05 KIP	+	1.12 KIP	0.84 KIP	23	22 IN	(1) #5
		60 PSF	37.11 PSF	l	ProfiPlusXT			0.06 KIP	+ +	1.21 KIP	0.84 KIP	22	23 IN	(1) #5

							7-10 W/ SEISN					_		
TILT	MAX	GROUND	SLOPED	MAX	PURLIN		RONT CONNECTION			AR CONNECTIO		1	BALLAST	# OF
	WIND	SNOW	ROOF SNOW	SPAN	TYPE	TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR	CROSS BRACING	WIDTH	REBA
		0 PSF	0.00 PSF	8.00 FT	ProfiPlus	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	ProfiPlus	0.15 KIP	1.10 KIP	0.05 <b>K</b> IP	1.71 KIP	1.16 KIP	0.92 KIP	11	21 IN	(1) #5
		20 PSF	12.37 PSF	8.00 FT	ProfiPlus	0.15 KIP	1.38 KIP	0.05 <b>K</b> IP	1.71 KIP	1.26 KIP	0.92 KIP	11	21 IN	(1) #5
	110 MPH	30 PSF	18.56 PSF	8.00 FT	ProfiPlusXT	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	ProfiPlusXT	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	ProfiPlusXT	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	ProfiPlusXT	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	ProfiPlus	0.15 KIP	0.95 KIP	0.04 <b>K</b> IP	1.69 KIP	1.05 KIP	0.91 KIP	13	21 IN	(1) #5
		10 PSF	6.19 PSF	7.25 FT	ProfiPlus	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	ProfiPlus	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	ProfiPlus	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	ProfiPlusXT	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	ProfiPlusXT	0.15 KIP	2.31 KIP	0.12 <b>K</b> IP	1.63 KIP	1.83 KIP	0.87 KIP	10	28 IN	(2) #5
		60 PSF	37.11 PSF	6.50 FT	ProfiPlusXT	0.14 KIP	2.47 KIP	0.12 KIP	1.51 KIP	1.93 <b>K</b> IP	0.92 KIP	11	29 IN	(2) #5
		0 PSF	0.00 PSF	5.75 FT	ProfiPlusXT	0.17 KIP	0.93 KIP	0.03 KIP	1.71 KIP	1.03 KIP	0.91 KIP	18	21 IN	(1) #5
	130 MPH 3	10 PSF	6.19 PSF	5.75 FT	ProfiPlusXT	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	ProfiPlusXT	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	ProfiPlusXT	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	ProfiPlusXT	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	ProfiPlusXT	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	ProfiPlusXT	0.17 KIP	2.28 KIP	0.10 KIP	1.71 KIP	1.80 KIP	0.91 KIP	13	28 IN	(2) #5
20		0 PSF	0.00 PSF	4.75 FT	ProfiPlus	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	ProfiPlus	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	ProfiPlus	0.17 KIP	1.03 KIP	0.03 <b>K</b> IP	1.65 KIP	1.08 KIP	0.87 KIP	24	21 IN	(1) #5
	140 MPH	30 PSF	18.56 PSF	4.75 FT	ProfiPlus	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	ProfiPlus	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	ProfiPlus	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	ProfiPlus	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	ProfiPlus	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	ProfiPlus	0.18 KIP	0.96 KIP	0.02 KIP	1.69 KIP	1.03 KIP	0.89 KIP	24	21 IN	(1) #5
		20 PSF	12.37 PSF	4.25 FT	ProfiPlus	0.18 KIP	1.03 KIP	0.02 KIP	1.69 KIP	1.08 KIP	0.89 KIP	24	21 IN	(1) #5
	150 MPH	30 PSF	18.56 PSF	4.25 FT	ProfiPlus	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	ProfiPlus	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	ProfiPlus	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	ProfiPlus	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	ProfiPlus	0.18 KIP	0.83 KIP	0.02 <b>K</b> IP	1.56 KIP	0.90 KIP	0.81 KIP	34	20 IN	(1) #5
		10 PSF	6.19 PSF	3.50 FT	ProfiPlus	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	ļ	0.18 KIP	0.94 KIP	0.02 KIP	1.56 KIP		0.81 KIP		20 IN	(1) #5
	160 MPH		18.56 PSF	3.50 FT	ProfiPlus	0.18 KIP	0.99 KIP	<del>!</del>	1.56 KIP		0.81 KIP		20 IN	(1) #5
		40 PSF	24.74 PSF	3.50 FT	ProfiPlus	0.18 KIP	1.17 KIP	<del> </del>	1.56 KIP		0.81 KIP		20 IN	(1) #5
		50 PSF	30.93 PSF	3.50 FT	<del>1</del>	0.18 KIP	1.35 KIP		1.56 KIP		0.81 KIP		22 IN	(1) #5
		60 PSF		3.50 FT	1	0.18 KIP	1.53 KIP	<b>i</b>	1.56 KIP		0.81 KIP		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					
K	5					
	6					
	7					
	0					

SCHLETTER

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

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 SHEET: 4c of 4

JMBER: V SCALE: : 4c of 4 SEE DRAWING VIEWS

Slop	e Factor By Tili
Tilt	Cs
15°	1.00
20°	0.91
25°	0.82
30°	0.73
35°	0.64

							ASCE 7-0	5						
TILT	MAX	GROUND	SLOPED	MAX	PURLIN	FF	RONT CONNECTION	N	R	EAR CONNECTIO	N	BAYS BETWEEN	BALLAST	# OF
TILI	WIND	SNOW	ROOF SNOW	SPAN	TYPE	TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR	CROSS BRACING	WIDTH	REBAR
		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
	85 MPH	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) #
		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) #
		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) #
		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) #
		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) #
		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) #
		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) #
	90 MPH	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) #
		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) #
		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) #
		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) #
		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) #
		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) #
	100 MPH 3	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)#
		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)#
		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) #
		50 PSF	27.49 PSF	5.75 FT	ProfiPlus	0.03 KIP	1.77 KIP	0.00 KIP	1.79 KIP	1. <b>4</b> 9 KIP	1.09 KIP	27	22 IN	(1) #
30°		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) #
30		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) #
		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)#
		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) #
	110 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) #
		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) #
		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) #
		60 PSF	32.99 PSF	4.75 FT	ProfiPlus	0.04 KIP		0.00 KIP		1.45 KIP	1.08 KIP	38	22 IN	(1) #
		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) #
		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) #
		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) #
	120 MPH	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) #
		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) #
		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)#
		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) #
		0 PSF	0.00 PSF	3.25 FT	ProfiPlus	0.06 KIP	0.74 KIP	0.00 KIP	1.67 KIP		0.99 KIP	58	21 IN	(1) #
		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) #
		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)#
	130 MPH	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)#
		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) #
		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) #
	]	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) #

							ASCE 7-10	<u> </u>						
	MAX	GROUND	SLOPED	MAX	PURLIN	FF	RONT CONNECTIO		RI	EAR CONNECTIO	N	BAYS BETWEEN	BALLAST	# OF
TILT	WIND	SNOW	ROOF SNOW	SPAN	TYPE	TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR	CROSS BRACING	WIDTH	REBAR
		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
	110 MPH	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
		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
	115 MPH	30 PSF	16.49 PSF	7.00 FT	ProfiPlus	0.01 KIP	1.44 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		1.10 KIP	17	21 IN	(1) #5
		50 PSF	27.49 PSF	7.00 FT	ProfiPlusXT		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		0.01 KIP	2.31 KIP	0.01 KIP		1.86 KIP	1.06 KIP	21	24 IN	(2) #5
		0 PSF	0.00 PSF	5.25 FT		0.03 KIP		0.00 KIP			1.05 KIP	27	20 IN	(1) #5
		10 PSF	5.50 PSF	5.25 FT		0.03 KIP	0.86 KIP			1.10 KIP	1.05 KIP	27	20 IN	(1) #5
		20 PSF	11.00 PSF	5.25 FT		0.03 KIP	0.93 KIP			1.15 KIP	1.05 KIP	27	20 IN	(1) #5
	130 MPH	30 PSF	16. <b>4</b> 9 PSF	5.25 FT		0.03 KIP	1.16 KIP		<del>_</del>	<del>{</del>	1.05 KIP	27	20 IN	(1) #5
		40 PSF	21.99 PSF	5.25 FT	ProfiPlus	0.03 KIP	1.40 KIP			1.25 KIP	1.05 KIP	27	20 IN	(1) #5
		50 PSF	27.49 PSF	5.25 FT		0.03 KIP	1.64 KIP	0.00 KIP		1.38 KIP	1.05 KIP	27	20 IN	(1) #5
30°		60 PSF	32.99 PSF	5.25 FT		0.03 KIP		0.00 KIP			1.05 KIP	27	20 IN	(1) #5
		0 PSF	0.00 PSF	4.50 FT		0.04 KIP	0.77 KIP			1.03 KIP	1.03 KIP	38	20 IN	(1) #5
		10 PSF	5.50 PSF	4.50 FT		0.04 KIP	0.83 KIP			1.07 KIP	1.03 KIP	38	20 IN	(1) #5
		20 PSF	11.00 PSF	4.50 FT	ProfiPlus	0.04 KIP				1.11 KIP	1.03 KIP	38	20 IN	(1) #5
	140 MPH	30 PSF	16.49 PSF	4.50 FT		0.04 KIP	1.05 KIP			1.15 KIP	1.03 KIP	38	20 IN	(1) #5
		40 PSF	21.99 PSF	4.50 FT		0.04 KIP	1.25 KIP			1.20 KIP	1.03 KIP	38	20 IN	(1) #5
		50 PSF	27.49 PSF	4.50 FT		0.04 KIP	1.46 KIP			1.24 KIP	1.03 KIP	38	20 IN	(1) #5
		60 PSF	32.99 PSF	4.50 FT		0.04 KIP	1.66 KIP			1.36 KIP	1.02 KIP	38	20 IN	(1) #5
		0 PSF	0.00 PSF	4.00 FT		0.05 KIP			1.74 KIP		1.04 KIP	37	21 IN	(1) #5
		10 PSF	5.50 PSF	4.00 FT		0.05 KIP			1.74 KIP		1.04 KIP	37	21 IN	(1) #5
	4EO NADI I	20 PSF	11.00 PSF	4.00 FT		0.05 KIP		0.00 KIP		1.10 KIP	1.04 KIP	37	21 IN	(1) #5
	150 MPH		16.49 PSF	4.00 FT		0.05 KIP	0.98 KIP	0.00 KIP			1.04 KIP	37	21 IN	(1) #5
		40 PSF	21.99 PSF	4.00 FT		0.05 KIP		0.00 KIP			1.04 KIP	37	21 IN	(1) #5
		50 PSF	27.49 PSF	4.00 FT		0.05 KIP			1.74 KIP	1.22 KIP	1.04 KIP	37	21 IN	(1) #5
		60 PSF	32.99 PSF	4.00 FT		0.05 KIP	1.52 KIP		1.74 KIP	1.28 KIP	1.04 KIP	37	21 IN	(1) #5
		0 PSF	0.00 PSF	3.50 FT		0.06 KIP		0.00 KIP		1.00 KIP	1.02 KIP	36	20 IN	(1) #5
		10 PSF	5.50 PSF	3.50 FT		0.06 KIP		0.00 KIP		1.04 KIP	1.02 KIP	36	20 IN	(1) #5
	ACO NOU	20 PSF	11.00 PSF	3.50 FT		0.06 KIP			1.71 KIP		1.02 KIP	36	20 IN	(1) #5
	160 MPH		16.49 PSF	3.50 FT		0.06 KIP		0.00 KIP			1.02 KIP	36	20 IN	(1) #5
		40 PSF	21.99 PSF		ProfiPlusXT			0.00 KIP		1.12 KIP	1.00 KIP	36	20 IN	(1) #5
		50 PSF	27.49 PSF		ProfiPlusXT		1.22 KIP		1.68 KIP		1.00 KIP	36	20 IN	(1) #5
		60 PSF	32.99 PSF	3.50 F I	ProfiPlusXT	บ.บธ KIP	1.38 KIP	0.00 KIP	1.68 KIP	1.18 KIP	1.00 KIP	36	20 IN	(1) #5

						ASCE	7-05 W/ SEISN	IIC DESIG	3N					
TILT	MAX	GROUND	SLOPED	MAX	PURLIN	FF	RONT CONNECTION	N	R	EAR CONNECTIO	N	BAYS BETWEEN	BALLAST	# OF
1111	WIND	SNOW	ROOF SNOW	SPAN	TYPE	TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR	CROSS BRACING	WIDTH	REBAR
		0 PSF	0.00 PSF	8.00 FT	ProfiPlus	0.00 KIP	0.86 KIP	0.05 KIP	1.79 KIP	1.14 KIP	1.10 KIP	10	22 IN	(1) #5
		10 PSF	5.50 PSF	8.00 FT	ProfiPlus	0.00 KIP	0.98 KIP	0.05 KIP	1.79 KIP	1.22 KIP	1.10 KIP	10	22 IN	(1) #5
		20 PSF	11.00 PSF	8.00 FT	ProfiPlus	0.00 KIP	1.24 KIP	0.05 KIP	1.79 KIP	1.30 KIP	1.10 KIP	10	22 IN	(1) #5
	85 MPH	30 PSF	16.49 PSF	8.00 FT	ProfiPlusXT	0.00 KIP	1.60 KIP	0.04 KIP	1.79 KIP	1.39 KIP	1.10 KIP	10	22 IN	(1) #5
		40 PSF	21.99 PSF	7.75 FT	ProfiPlusXT	0.00 KIP	1.90 KIP	0.11 KIP	1.73 KIP	1.59 KIP	1.07 KIP	9	27 IN	(2) #5
		50 PSF	27.49 PSF	7.25 FT	ProfiPlusXT	0.01 KIP	2.10 KIP	0.12 KIP	1.62 KIP	1.71 KIP	1.00 KIP	10	29 IN	(2) #5
		60 PSF	32.99 PSF	6.75 FT	ProfiPlusXT	0.02 KIP	2.26 KIP	0.13 KIP	1.50 KIP	1.80 KIP	0.96 KIP	9	30 IN	(2) #5
		0 PSF	0.00 PSF	7.25 FT	ProfiPlus	0.01 KIP	0.86 KIP	0.04 KIP	1.83 KIP	1.15 KIP	1.12 KIP	13	22 IN	(1) #5
		10 PSF	5.50 PSF	7.25 FT	ProfiPlus	0.01 KIP	0.96 KIP	0.04 KIP	1.83 KIP	1.22 KIP	1.12 KIP	13	22 IN	(1) #5
		20 PSF	11.00 PSF	7.25 FT	ProfiPlus	0.01 KIP	1.16 KIP	0.04 KIP	1.83 KIP	1.29 KIP	1.12 KIP	13	22 IN	(1) #5
	90 MPH	30 PSF	16.49 PSF	7.25 FT	ProfiPlus	0.01 KIP	1.48 KIP	0.04 KIP	1.83 KIP	1.36 KIP	1.12 KIP	13	22 IN	(1) #5
		40 PSF	21.99 PSF	7.25 FT	ProfiPlusXT	0.01 KIP	1.81 KIP	0.11 KIP	1.83 KIP	1.54 KIP	1.12 KIP	10	27 IN	(2) #5
		50 PSF	27.49 PSF	7.25 FT	ProfiPlusXT	0.01 KIP	2.13 KIP	0.13 KIP	1.83 KIP	1.77 KIP	1.12 KIP	10	29 IN	(2) #5
		60 PSF	32.99 PSF	6.75 FT	ProfiPlusXT	0.02 KIP	2.29 KIP	0.13 KIP	1.70 KIP	1.86 KIP	1.04 KIP	10	30 IN	(2) #5
		0 PSF	0.00 PSF	5.75 FT	ProfiPlus	0.03 KIP	0.82 KIP	0.03 KIP	1.79 KIP	1.10 KIP	1.09 KIP	15	22 IN	(1) #5
		10 PSF	5.50 PSF	5.75 FT	ProfiPlus	0.03 KIP	0.90 KIP	0.03 KIP	1.79 KIP	1.15 KIP	1.09 KIP	15	22 IN	(1) #5
		20 PSF	11.00 PSF	5.75 FT	ProfiPlus	0.03 KIP	0.99 KIP	0.03 KIP	1.79 KIP	1.21 KIP	1.09 KIP	15	22 IN	(1) #5
	100 MPH	30 PSF	16.49 PSF	5.75 FT	ProfiPlus	0.03 KIP	1.25 KIP	0.03 KIP	1.79 KIP	1.27 KIP	1.09 KIP	15	22 IN	(1) #5
		40 PSF	21.99 PSF	5.75 FT	ProfiPlus	0.03 KIP	1.51 KIP	0.08 KIP	1.79 KIP	1.32 KIP	1.09 KIP	12	24 IN	(2) #5
		50 PSF	27.49 PSF	5.75 FT	ProfiPlus	0.03 KIP	1.77 KIP	0.10 KIP	1.79 KIP	1.49 KIP	1.09 KIP	12	26 IN	(2) #5
200		60 PSF	32.99 PSF	5.75 FT	ProfiPlus	0.03 KIP	2.03 KIP	0.11 KIP	1.79 KIP	1.67 KIP	1.09 KIP	11	28 IN	(2) #5
30°		0 PSF	0.00 PSF	4.75 FT	ProfiPlus	0.04 KIP	0.80 KIP	0.03 KIP	1.78 KIP	1.07 KIP	1.08 KIP	24	22 IN	(1) #5
		10 PSF	5.50 PSF	4.75 FT	ProfiPlus	0.04 KIP	0.87 KIP	0.03 KIP	1.78 KIP	1.12 KIP	1.08 KIP	24	22 IN	(1) #5
		20 PSF	11.00 PSF	4.75 FT	ProfiPlus	0.04 KIP	0.93 KIP	0.03 KIP	1.78 KIP	1.16 KIP	1.08 KIP	24	22 IN	(1) #5
	110 MPH	30 PSF	16.49 PSF	4.75 FT	ProfiPlus	0.04 KIP	1.10 KIP	0.03 KIP	1.78 KIP	1.21 KIP	1.08 KIP	24	22 IN	(1) #5
		40 PSF	21.99 PSF	4.75 FT	ProfiPlus	0.04 KIP	1.31 KIP	0.07 KIP	1.78 KIP	1.26 KIP	1.08 KIP	18	23 IN	(1) #5
		50 PSF	27.49 PSF	4.75 FT	ProfiPlus	0.04 KIP	1.53 KIP	0.08 KIP	1.78 KIP	1.31 KIP	1.08 KIP	17	25 IN	(2) #5
		60 PSF	32,99 PSF	4.75 FT	ProfiPlus	0.04 KIP	1.74 KIP	0.09 KIP	1.78 KIP	1.45 KIP	1.08 KIP	16	26 IN	(2) #5
		0 PSF	0.00 PSF	3.75 FT	ProfiPlus	0.05 KIP	0.74 KIP	0.02 KIP	1.66 KIP	0.98 KIP	0.99 KIP	24	21 IN	(1) #5
		10 PSF	5.50 PSF	3.75 FT	•	0.05 KIP	0.79 KIP	0.02 KIP		1.02 KIP	0.99 KIP	24	21 IN	(1) #5
		20 PSF	11.00 PSF	3.75 FT	ProfiPlus	0.05 KIP	0.85 KIP	0.02 KIP	1.66 KIP	1.05 KIP	0.99 KIP	24	21 IN	(1) #5
	120 MPH	30 PSF	16.49 PSF	3.75 FT	ProfiPlus	0.05 KIP	0.93 KIP	0.02 KIP	1.66 KIP	1.09 KIP	0.99 KIP	24	21 IN	(1) #5
		40 PSF	21.99 PSF	3.75 FT	ProfiPlus	0.05 KIP	1.10 KIP	0.05 KIP	1.66 KIP	1.12 KIP	0.99 KIP	19	21 IN	(1) #5
		50 PSF	27.49 PSF	3.75 FT	ProfiPlusXT	0.05 KIP	1.27 KIP	0.06 KIP	1.63 KIP	1.14 KIP	0.98 KIP	18	23 IN	(1) #5
		60 PSF	32.99 PSF		ProfiPlusXT		1.44 KIP		1.63 KIP	1.18 KIP	0.98 KIP	17	24 IN	(2) #5
		0 PSF	0.00 PSF	3.25 FT		0.06 KIP	0.74 KIP	0.02 KIP	1.67 KIP	0.97 KIP	0.99 KIP	34	21 IN	(1) #5
		10 PSF	5.50 PSF	3.25 FT		0.06 KIP	0.79 KIP	<del></del>	1.67 KIP	1.00 KIP	0.99 KIP	34	21 IN	(1) #5
		20 PSF	11.00 PSF	3.25 FT		0.06 KIP	0.84 KIP	-	1.67 KIP	1.03 KIP	0.99 KIP	34	21 IN	(1) #5
	130 MPH		16.49 PSF	3.25 FT		0.06 KIP	0.88 KIP		1.67 KIP	1.06 KIP	0.99 KIP	34	21 IN	(1) #5
		40 PSF	21.99 PSF	3.25 FT		0.06 KIP	1.01 KIP		1.67 KIP	1.09 KIP	0.99 KIP	25	21 IN	(1) #5
		50 PSF	27.49 PSF	3.25 FT	1	0.06 KIP	1.16 KIP		1.67 KIP	1.12 KIP	0.99 KIP	24	21 IN	(1) #5
		60 PSF	32.99 PSF	3.25 FT	1	0.06 KIP	1.30 KIP	-	1.67 KIP	1.15 KIP	0.99 KIP	22	23 IN	(1) #5

						ASCE	7-10 W/ SEISN	IIC DESIG	<b>SN</b>					
TILT	MAX	GROUND	SLOPED	MAX	PURLIN	FF	RONT CONNECTIO	NC	R	EAR CONNECTIO	N	BAYS BETWEEN	BALLAST	# OF
IILI	WIND	SNOW	ROOF SNOW	SPAN	TYPE	TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR	CROSS BRACING	WIDTH	REBAR
		0 PSF	0.00 PSF	7.75 FT	ProfiPlus	0.01 KIP	0.87 KIP	0.04 KIP	1.82 KIP	1.15 KIP	1.12 KIP	11	21 IN	(1) #5
		10 PSF	5.50 PSF	7.75 FT	ProfiPlus	0.01 KIP	0.98 KIP	0.04 KIP	1.82 KIP	1.23 KIP	1.12 KIP	11	21 IN	(1) #5
		20 PSF	11.00 PSF	7.75 FT	ProfiPlus	0.01 KIP	1.21 KIP	0.04 KIP	1.82 KIP	1.31 KIP	1.12 KIP	11	21 IN	(1) #5
	110 MPH	30 PSF	16.49 PSF	7.75 FT	ProfiPlusXT	0.01 KIP	1.56 KIP	0.04 KIP	1.81 KIP	1.38 KIP	1.12 KIP	11	21 IN	(1) #5
		40 PSF	21.99 PSF	7.75 FT	ProfiPlusXT	0.01 KIP	1.91 KIP	0.11 KIP	1.81 KIP	1.61 KIP	1.12 KIP	9	27 IN	(2) #5
		50 PSF	27.49 PSF	7.25 FT	ProfiPlusXT	0.01 KIP	2.12 KIP	0.12 KIP	1.69 KIP	1.73 KIP	1.04 KIP	10	29 IN	(2) #5
		60 PSF	32.99 PSF	6.75 FT	ProfiPlusXT	0.02 KIP	2.28 KIP	0.13 KIP	1.57 KIP	1.82 KIP	0.97 KIP	9	30 IN	(2) #5
		0 PSF	0.00 PSF	7.00 FT	ProfiPlus	0.01 KIP	0.85 KIP	0.04 KIP	1.80 KIP	1.13 KIP	1.10 KIP	13	21 IN	(1) #5
		10 PSF	5.50 PSF	7.00 FT	ProfiPlus	0.01 KIP	0.94 KIP	0.04 KIP	1.80 KIP	1.20 KIP	1.10 KIP	13	21 IN	(1) #5
		20 PSF	11.00 PSF	7.00 FT	ProfiPlus	0.01 KIP	1.13 KIP	0.04 KIP	1.80 KIP	1.26 KIP	1.10 KIP	13	21 IN	(1) #5
	115 MPH	30 PSF	16.49 PSF	7.00 FT	ProfiPlus	0.01 KIP	1.44 KIP	0.04 KIP	1.80 KIP	1.33 KIP	1.10 KIP	13	21 IN	(1) #5
		40 PSF	21.99 PSF	7.00 FT	ProfiPlusXT	0.01 KIP	1.76 KIP	0.10 KIP	1.79 KIP	1.49 KIP	1.10 KIP	10	26 IN	(2) #5
		50 PSF	27.49 PSF	7.00 FT	ProfiPlusXT	0.01 KIP	2.07 KIP	0.12 KIP	1.79 KIP	1.71 KIP	1.10 KIP	10	29 IN	(2) #5
		60 PSF	32.99 PSF	6.75 FT	ProfiPlusXT	0.02 KIP	2.31 KIP	0.13 KIP	1.73 KIP	1.86 KIP	1.06 KIP	9	30 IN	(2) #5
	1	0 PSF	0.00 PSF	5.25 FT	ProfiPlus	0.03 KIP	0.78 KIP	0.03 KIP	1.72 KIP	1.05 KIP	1.05 KIP	19	20 IN	(1) #5
		10 PSF	5.50 PSF	5.25 FT	ProfiPlus	0.03 KIP	0.86 KIP	0.03 KIP	1.72 KIP	1.10 KIP	1.05 KIP	19	20 IN	(1) #5
	130 MPH 3 4 5	20 PSF	11.00 PSF	5.25 FT	ProfiPlus	0.03 KIP	0.93 KIP	0.03 KIP	1.72 KIP	1.15 KIP	1.05 KIP	19	20 IN	(1) #5
		30 PSF	16.49 PSF	5.25 FT	ProfiPlus	0.03 KIP	1.16 KIP	0.03 KIP	1.72 KIP	1.20 KIP	1.05 KIP	19	20 IN	(1) #5
		40 PSF	21.99 PSF	5.25 FT	ProfiPlus	0.03 KIP	1.40 KIP	0.07 KIP	1.72 KIP	1.25 KIP	1.05 KIP	15	23 IN	(1) #5
		50 PSF	27.49 PSF	5.25 FT	ProfiPlus	0.03 KIP	1.64 KIP	0.09 KIP	1.72 KIP	1.38 KIP	1.05 KIP	14	25 IN	(2) #5
200		60 PSF	32.99 PSF	5.25 FT	ProfiPlus	0.03 KIP	1.87 KIP	0.10 KIP	1.72 KIP	1.54 KIP	1.05 KIP	13	27 IN	(2) #5
30°		0 PSF	0.00 PSF	4.50 FT	ProfiPlus	0.04 KIP	0.77 KIP	0.02 KIP	1.71 KIP	1.03 KIP	1.03 KIP	24	20 IN	(1) #5
		10 PSF	5.50 PSF	4.50 FT	ProfiPlus	0.04 KIP	0.83 KIP	0.02 KIP	1.71 KIP	1.07 KIP	1.03 KIP	24	20 IN	(1) #5
		20 PSF	11.00 PSF	4.50 FT	ProfiPlus	0.04 KIP	0.89 KIP	0.02 KIP	1.71 KIP	1.11 KIP	1.03 KIP	24	20 IN	(1) #5
	140 MPH	30 PSF	16.49 PSF	4.50 FT	ProfiPlus	0.04 KIP	1.05 KIP	0.02 KIP	1.71 KIP	1.15 KIP	1.03 KIP	24	20 IN	(1) #5
		40 PSF	21.99 PSF	4.50 FT	ProfiPlus	0.04 KIP	1.25 KIP	0.06 KIP	1.71 KIP	1.20 KIP	1.03 KIP	18	22 IN	(1) #5
		50 PSF	27.49 PSF	4.50 FT	ProfiPlus	0.04 KIP	1.46 KIP	0.07 KIP	1.71 KIP	1.24 KIP	1.03 KIP	17	24 IN	(2) #5
		60 PSF	32.99 PSF	4.50 FT	ProfiPlusXT	0.04 KIP	1.66 KIP	0.08 KIP	1.69 KIP	1.36 KIP	1.02 KIP	16	26 IN	(2) #5
		0 PSF	0.00 PSF	4.00 FT	ProfiPlus	0.05 KIP	0.77 KIP	0.02 KIP	1.74 KIP	1.03 KIP	1.04 KIP	24	21 IN	(1) #5
		10 PSF	5.50 PSF	4.00 FT	ProfiPlus	0.05 KIP	0.83 KIP	0.02 KIP	1.74 KIP	1.07 KIP	1.04 KIP	24	21 IN	(1) #5
		20 PSF	11.00 PSF	4.00 FT	ProfiPlus	0.05 KIP	0.89 KIP	0.02 KIP	1.74 KIP	1.10 KIP	1.04 KIP	24	21 IN	(1) #5
	150 MPH	30 PSF	16.49 PSF	4.00 FT	ProfiPlus	0.05 KIP	0.98 KIP	0.02 KIP	1.74 KIP	1.14 KIP	1.04 KIP	24	21 IN	(1) #5
		40 PSF	21.99 PSF	4.00 FT	ProfiPlus	0.05 KIP	1.16 KIP	0.05 KIP	1.74 KIP	1.18 KIP	1.04 KIP	19	21 IN	(1) #5
		50 PSF	27.49 PSF	4.00 FT	ProfiPlus	0.05 KIP	1.34 KIP	0.06 KIP	1.74 KIP	1.22 KIP	1.04 KIP	18	23 IN	(1) #5
		60 PSF	32.99 PSF	4.00 FT	ProfiPlus	0.05 KIP	1.52 KIP	0.07 KIP	1.74 KIP	1.28 KIP	1.04 KIP	17	25 IN	(2) #5
		0 PSF	0.00 PSF	3.50 FT	ProfiPlus	0.06 KIP	0.76 KIP	0.02 KIP	1.71 KIP	1.00 KIP	1.02 KIP	34	20 IN	(1) #5
		10 PSF	5.50 PSF	3.50 FT	1	0.06 KIP		0.02 KIP			1.02 KIP		20 IN	(1) #5
		20 PSF	11.00 PSF	3.50 FT		0.06 KIP		0.02 KIP			1.02 KIP		20 IN	(1) #5
	160 MPH		16.49 PSF	3.50 FT	1	0.06 KIP		0.02 KIP			1.02 KIP		20 IN	(1) #5
		40 PSF	21.99 PSF		ProfiPlusXT			0.05 KIP		1.12 KIP	1.00 KIP		20 IN	(1) #5
		50 PSF	27.49 PSF		ProfiPlusXT			0.05 KIP		1.15 KIP	1.00 KIP	23	22 IN	(1) #5
		60 PSF	32.99 PSF		ProfiPlusXT			0.06 KIP			1.00 KIP		24 IN	(2) #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					
K	5					
	6					
	7					
- 1	^					



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

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

30° 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 SHEET: 4d of 4

SCALE: SEE DRAWING VIEWS

Slop	e Factor By Tili
Tilt	Cs
15°	1.00
20°	0.91
25°	0.82
30°	0.73
35°	0.64

							ASCE 7-	05						
TILT	MAX	GROUND	SLOPED	MAX	PURLIN	FF	RONT CONNECT	ION	R	EAR CONNECTIO	N	BAYS BETWEEN	BALLAST	# OF
IILI	WIND	SNOW	ROOF SNOW	SPAN	TYPE	TENSION	COMPRESSIO	N SHEAR	TENSION	COMPRESSION	SHEAR	CROSS BRACING	WIDTH	REBAR
	1177	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
	85 MPH	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. <b>4</b> 9 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
		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) #
		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) #
		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) #
	90 MPH [	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) #
		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) #
		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) #
		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) #
	100 MPH	0 PSF	0.00 PSF	5.50 FT	ProfiPlus	0.03 KIP	0.68 KIP	0.00 KIP	1.87 KIP	1.16 KIP	1.27 KIP	27	22 IN	(1) #
		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) #
		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) #
		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) #
		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) #
		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) #
35°		60 PSF	28.87 PSF	5.50 FT	ProfiPlusXT	0.03 KIP	1.72 KIP	0.00 KIP	1.86 KIP	1. <b>4</b> 7 KIP	1.26 KIP	27	22 IN	(1) #
33		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) #
		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) #
		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) #
	110 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) #
		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)#
		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) #
		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) #
		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) #
		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) #
		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) #
	120 MPH	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) #
		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) #
		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) #
		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)#
		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) #
		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) #
		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) #
	130 MPH	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)#
		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) #
		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) #
		60 PSF	28.87 PSF	3.00 FT	ProfiPlus	0.02 KIP	1.07 KIP		1.67 KIP	1.12 KIP	1.09 KIP	55	20 IN	(1) #5

							ASCE 7-1							
TILT	MAX GROUND SLOPED MAX PURLIN WIND SNOW ROOF SNOW SPAN TYPE TO					FF	FRONT CONNECTION			AR CONNECTIO	N	BAYS BETWEEN	BALLAST	# OF
I IL I	WIND	SNOW	ROOF SNOW	SPAN	TYPE	TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR	CROSS BRACING	WIDTH	REBAR
		0 PSF	0.00 PSF	7.25 FT	ProfiPlus	0.03 KIP	0.71 KIP	0.00 KIP	1.86 KIP	1.19 KIP	1.27 KIP	17	21 IN	(1) #5
		10 PSF	4.81 PSF	7.25 FT	ProfiPlus	0.03 KIP	0.80 KIP	0.00 KIP	1.86 KIP	1.25 KIP	1.27 KIP	17	21 IN	(1) #5
		20 PSF	9.62 PSF	7.25 FT	ProfiPlus	0.03 KIP	1.01 KIP	0.00 KIP	1.86 KIP	1.31 KIP	1.27 KIP	17	21 IN	(1) #5
	110 MPH	30 PSF	14.43 PSF	7.25 FT	ProfiPlus	0.03 KIP	1.29 KIP	0.00 KIP	1.86 KIP	1.37 KIP	1.27 KIP	17	21 IN	(1) #5
		40 PSF	19.24 PSF		ProfiPlusXT	0.03 KIP	1.58 KIP	0.01 KIP	1.86 KIP	1.43 KIP	1.27 KIP	17	21 IN	(1) #5
		50 PSF	24.05 PSF			0.03 KIP	1.87 KIP	0.01 KIP	1.86 KIP	1.60 KIP	1.27 KIP	17	21 IN	(1) #5
		60 PSF	28.87 PSF		ProfiPlusXT		2.08 KIP		1.79 KIP	1.73 KIP	1.22 KIP	17	22 IN	(1) #5
		0 PSF	0.00 PSF	6.75 FT		0.03 KIP	0.71 KIP		1.90 KIP	1.20 KIP	1.29 KIP	17	21 IN	(1) #5
		10 PSF	4.81 PSF	6.75 FT		0.03 KIP	0.80 KIP	+	1.90 KIP	1.26 KIP	1.29 KIP	17	21 IN	(1) #5
		20 PSF	9.62 PSF	6.75 FT	ProfiPlus	0.03 KIP	0.96 KIP	0.00 KIP	1.90 KIP	1.31 KIP	1.29 KIP	17	21 IN	(1) #5
	115 MPH	30 PSF	14.43 PSF	6.75 FT		0.03 KIP	1.23 KIP		1.90 KIP	1.37 KIP	1.29 KIP	17	21 IN	(1) #5
		40 PSF	19.24 PSF	6.75 FT		0.03 KIP	1.50 KIP		1.90 KIP	1.42 KIP	1.29 KIP	17	21 IN	(1) #5
		50 PSF	24.05 PSF	<del></del>	ProfiPlusXT		1.77 KIP	<del></del>	1.89 KIP	1.54 KIP	1.29 KIP	17	21 IN	(1) #5
		60 PSF	28.87 PSF		ProfiPlusXT		2.04 KIP	<del></del>	1.89 KIP	1.71 KIP	1.29 KIP	17	21 IN	(1) #5
		0 PSF	0.00 PSF	5.25 FT		0.03 KIP	0.68 KIP	0.00 KIP	1.89 KIP	1.16 KIP	1.27 KIP	27	21 IN	(1) #5
		10 PSF	4.81 PSF	5.25 FT		0.03 KIP	0.75 KIP	0.00 KIP	1.89 KIP	1.21 KIP	1.27 KIP	27	21 IN	(1) #5
	400 MDU	20 PSF	9.62 PSF	5.25 FT	ProfiPlus	0.03 KIP	0.82 KIP	-	1.89 KIP	1.25 KIP	1.27 KIP	27	21 IN	(1) #5
	130 MPH  	30 PSF	14.43 PSF	5.25 FT		0.03 KIP	1.03 KIP	<del></del>	1.89 KIP	1.29 KIP	1.27 KIP	27	21 IN	(1) #5
		40 PSF	19.24 PSF	5.25 FT	ProfiPlus	0.03 KIP	1.24 KIP		1.89 KIP	1.34 KIP	1.27 KIP	27	21 IN	(1) #5
	-	50 PSF 60 PSF	24.05 PSF 28.87 PSF	5.25 FT 5.25 FT	ProfiPlus	0.03 KIP	1.44 KIP		1.89 KIP 1.89 KIP	1.38 KIP	1.27 KIP	27 27	21 IN 21 IN	(1) #5
35°		0 PSF	0.00 PSF	4.50 FT	ProfiPlus ProfiPlus	0.03 KIP	1.65 KIP 0.67 KIP		1.87 KIP	1.44 KIP 1.14 KIP	1.27 KIP	37	21 IN	(1) #5 (1) #5
		10 PSF	4.81 PSF	4.50 FT	ProfiPlus	0.02 KIP	0.72 KIP	-	<del></del>	1.14 KIP	1.25 KIP	37	21 IN	(1) #5
		20 PSF	9.62 PSF	4.50 FT		0.02 KIP	0.72 KIP		1.87 KIP	1.17 KIP	1.25 KIP	37	21 IN	(1) #5
	140 MPH	30 PSF	14.43 PSF	4.50 FT	ProfiPlus	0.02 KIP	0.93 KIP		1.87 KIP	1.25 KIP	1.25 KIP	37	21 IN	(1) #5
	140 141 11	40 PSF	19.24 PSF	4.50 FT	ProfiPlus	0.02 KIP	1.11 KIP	0.00 KIP	<b>.</b>	1.28 KIP	1.25 KIP	37	21 IN	(1) #5
		50 PSF	24.05 PSF	4.50 FT	ProfiPlus	0.02 KIP	1.29 KIP	<del></del>		1.32 KIP	1.25 KIP	37	21 IN	(1) #5
	<b> </b>	60 PSF	28.87 PSF			0.02 KIP	1.47 KIP	0.00 KIP		1.36 KIP	1.25 KIP	37	21 IN	(1) #5
		0 PSF	0.00 PSF	3.75 FT		0.02 KIP	0.63 KIP	0.00 KIP		1.06 KIP	1.18 KIP	36	20 IN	(1) #5
		10 PSF	4.81 PSF	3.75 FT		0.02 KIP	0.68 KIP	0.00 KIP		1.09 KIP	1.18 KIP	36	20 IN	(1) #5
		20 PSF	9.62 PSF	3.75 FT		0.02 KIP	0.73 KIP	0.00 KIP	<del></del>	1.12 KIP	1.18 KIP	36	20 IN	(1) #5
	150 MPH	30 PSF	14.43 PSF	3.75 FT		0.02 KIP	0.81 KIP	0.00 KIP		1.15 KIP	1.18 KIP	36	20 IN	(1) #5
		40 PSF	19.24 PSF	3.75 FT		0.02 KIP	0.97 KIP	0.00 KIP		1.18 KIP	1.18 KIP	36	20 IN	(1) #5
		50 PSF	24.05 PSF	3.75 FT		0.02 KIP	1.12 KIP	0.00 KIP	<del></del>	1.21 KIP	1.18 KIP	36	20 IN	(1) #5
		60 PSF	28.87 PSF	3.75 FT		0.02 KIP	1.27 KIP	0.00 KIP		1.24 KIP	1.18 KIP	36	20 IN	(1) #5
		0 PSF	0.00 PSF	3.25 FT		0.02 KIP		0.00 KIP		1.02 KIP	1.14 KIP	56	20 IN	(1) #5
		10 PSF	4.81 PSF	3.25 FT		0.02 KIP	0.66 KIP	0.00 KIP		1.05 KIP	1.14 KIP	56	20 IN	(1) #5
		20 PSF	9.62 PSF	3.25 FT		0.02 KIP	0.70 KIP		1.72 KIP	1.07 KIP	1.14 KIP	56	20 IN	(1) #5
	160 MPH	30 PSF	14.43 PSF	3.25 FT		0.02 KIP	0.75 KIP	0.00 KIP		1.10 KIP	1.14 KIP	56	20 IN	(1) #5
		40 PSF	19.24 PSF	3.25 FT		0.02 KIP	0.88 KIP	0.00 KIP		1.12 KIP	1.14 KIP	56	20 IN	(1) #5
		50 PSF	24.05 PSF	3.25 FT	ProfiPlus	0.02 KIP	1.01 KIP	0.00 KIP	1.72 KIP	1.15 KIP	1.14 KIP	56	20 IN	(1) #5
		60 PSF	28.87 PSF	3.25 FT	ProfiPlus	0.02 KIP	1.14 KIP	0.00 KIP	1.72 KIP	1.17 KIP	1.14 KIP	56	20 IN	(1) #5

						ASCE	7-05 W/ SEISN	IIC DESIG	GN .					
	MAX	GROUND	SLOPED	MAX	PURLIN	=	RONT CONNECTION			EAR CONNECTIO	N	BAYS BETWEEN	BALLAST	# OF
TILT	WIND	SNOW	ROOF SNOW	SPAN	TYPE	TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR	CROSS BRACING	WIDTH	REBAR
		0 PSF	0.00 PSF	7.75 FT	ProfiPlus	0.02 KIP	0.73 KIP	0.04 KIP	1.90 KIP	1.22 KIP	1.30 KIP	11	22 IN	(1) #5
		10 PSF	4.81 PSF	7.75 FT	ProfiPlus	0.02 KIP	0.83 KIP	0.04 KIP	1.90 KIP	1.29 KIP	1.30 KIP	11	22 IN	(1) #5
		20 PSF	9.62 PSF	7.75 FT	ProfiPlus	0.02 KIP	1.06 KIP	0.04 KIP	1.90 KIP	1.35 KIP	1.30 KIP	11	22 IN	(1) #5
	85 MPH	30 PSF	14.43 PSF	7.75 FT	ProfiPlus	0.02 KIP	1.36 KIP	0.04 KIP	1.90 KIP	1.42 KIP	1.30 KIP	11	22 IN	(1) #5
		40 PSF	19.24 PSF	7.75 FT	ProfiPlusXT	0.00 KIP	1.68 KIP	0.11 KIP	1.90 KIP	1.49 KIP	1.30 KIP	9	28 IN	(2) #5
		50 PSF	24.05 PSF	7.50 FT	ProfiPlusXT	0.01 KIP	1.92 KIP	0.13 KIP	1.84 KIP	1.64 KIP	1.25 KIP	9	30 IN	(2) #5
		60 PSF	28.87 PSF	7.00 FT	ProfiPlusXT	0.02 KIP	2.07 KIP	0.13 KIP	1.71 KIP	1.71 KIP	1.17 KIP	9	31 IN	(2) #5
		0 PSF	0.00 PSF	6.75 FT	ProfiPlus	0.02 KIP	0.70 KIP	0.04 KIP	1.86 KIP	1.18 KIP	1.27 KIP	13	22 IN	(1) #5
		10 PSF	4.81 PSF	6.75 FT	ProfiPlus	0.02 KIP	0.79 KIP	0.04 KIP	1.86 KIP	1.24 KIP	1.27 KIP	13	22 IN	(1) #5
		20 PSF	9.62 PSF	6.75 FT	ProfiPlus	0.02 KIP	0.96 KIP	0.04 KIP	1.86 KIP	1.29 KIP	1.27 KIP	13	22 IN	(1) #5
	90 MPH	30 PSF	14.43 PSF	6.75 FT	ProfiPlus	0.02 KIP	1.22 KIP	0.04 KIP	1.86 KIP	1.35 KIP	1.27 KIP	13	22 IN	(1) #5
		40 PSF	19.24 PSF	6.75 FT	ProfiPlus	0.01 KIP	1.49 KIP	0.10 KIP	1.86 KIP	1.40 KIP	1.27 KIP	10	26 IN	(2) #5
		50 PSF	24.05 PSF	6.75 FT	ProfiPlusXT	0.02 KIP	1.76 KIP	0.11 KIP	1.85 KIP	1.52 KIP	1.26 KIP	10	28 IN	(2) #5
		60 PSF	28.87 PSF	6.75 FT	ProfiPlusXT	0.02 KIP	2.03 KIP	0.13 KIP	1.85 KIP	1.70 KIP	1.26 KIP	9	30 IN	(2) #5
		0 PSF	0.00 PSF	5.50 FT	ProfiPlus	0.01 KIP	0.68 KIP	0.03 KIP	1.87 KIP	1.16 KIP	1.27 KIP	18	22 IN	(1) #5
	100 MPH	10 PSF	4.81 PSF	5.50 FT	ProfiPlus	0.01 KIP	0.75 KIP	0.03 KIP	1.87 KIP	1.21 KIP	1.27 KIP	18	22 IN	(1) #5
		20 PSF	9.62 PSF	5.50 FT	ProfiPlusXT	0.01 KIP	0.84 KIP	0.03 KIP	1.86 KIP	1.25 KIP	1.26 KIP	18	22 IN	(1) #5
		30 PSF	14.43 PSF	5.50 FT	ProfiPlusXT	0.01 KIP	1.06 KIP	0.03 KIP	1.86 KIP	1.29 KIP	1.26 KIP	18	22 IN	(1) #5
		40 PSF	19.24 PSF	5.50 FT	ProfiPlusXT	0.02 KIP	1.28 KIP	0.08 KIP	1.86 KIP	1.33 KIP	1.26 KIP	14	24 IN	(2) #5
		50 PSF	24.05 PSF	5.50 FT	ProfiPlusXT	0.02 KIP	1.50 KIP	0.09 KIP	1.86 KIP	1.38 KIP	1.26 KIP	14	26 IN	(2) #5
250		60 PSF	28.87 PSF	5.50 FT	ProfiPlusXT	0.03 KIP	1.72 KIP	0.10 KIP	1.86 KIP	1.47 KIP	1.26 KIP	13	28 IN	(2) #5
35°		0 PSF	0.00 PSF	4.50 FT	ProfiPlus	0.01 KIP	0.66 KIP	0.02 KIP	1.85 KIP	1.12 KIP	1.24 KIP	24	22 IN	(1) #5
		10 PSF	4.81 PSF	4.50 FT	ProfiPlus	0.01 KIP	0.72 KIP	0.02 KIP	1.85 KIP	1.16 KIP	1.24 KIP	24	22 IN	(1) #5
		20 PSF	9.62 PSF	4.50 FT	ProfiPlus	0.01 KIP	0.77 KIP	0.02 KIP	1.85 KIP	1.20 KIP	1.24 KIP	24	22 IN	(1) #5
	110 MPH	30 PSF	14.43 PSF	4.50 FT	ProfiPlus	0.01 KIP	0.92 KIP	0.02 KIP	1.85 KIP	1.23 KIP	1.24 KIP	24	22 IN	(1) #5
		40 PSF	19.24 PSF	4.50 FT	ProfiPlus	0.02 KIP	1.10 KIP	0.06 KIP	1.85 KIP	1.27 KIP	1.24 KIP	18	22 IN	(1) #5
		50 PSF	24.05 PSF	4.50 FT	ProfiPlus	0.03 KIP	1.28 KIP	0.07 KIP	1.85 KIP	1.31 KIP	1.24 KIP	17	24 IN	(2) #5
		60 PSF	28.87 PSF	4.50 FT	ProfiPlus	0.04 KIP	1.46 KIP	0.08 KIP	1.85 KIP	1.34 KIP	1.24 KIP	16	26 IN	(2) #5
		0 PSF	0.00 PSF	3.75 FT	ProfiPlus	0.00 KIP	0.65 KIP	0.02 KIP	1.81 KIP	1.09 KIP	1.21 KIP	24	21 IN	(1) #5
		10 PSF	4.81 PSF	3.75 FT	ProfiPlus	0.00 KIP	0.69 KIP	0.02 KIP	1.81 KIP	1.12 KIP	1.21 KIP	24	21 IN	(1) #5
		20 PSF	9.62 PSF	3.75 FT	ProfiPlus	0.00 KIP	0.74 KIP	0.02 KIP	1.81 KIP	1.15 KIP	1.21 KIP	24	21 IN	(1) #5
	120 MPH	30 PSF	14.43 PSF	3.75 FT	ProfiPlus	0.00 KIP	0.82 KIP	0.02 KIP	1.81 KIP	1.18 KIP	1.21 KIP	24	21 IN	(1) #5
		40 PSF	19.24 PSF	3.75 FT	ProfiPlus	0.03 KIP	0.97 KIP	0.05 KIP	1.81 KIP	1.21 KIP	1.21 KIP	19	21 IN	(1) #5
		50 PSF	24.05 PSF	3.75 FT	ProfiPlus	0.03 KIP	1.12 KIP	0.06 KIP	1.81 KIP	1.24 KIP	1.21 KIP	18	23 IN	(1) #5
		60 PSF	28.87 PSF	3.75 FT	ProfiPlus	0.04 KIP	1.27 KIP	0.07 KIP	1.81 KIP	1.27 KIP	1.21 KIP	17	24 IN	(2) #5
		0 PSF	0.00 PSF	3.00 FT	ProfiPlus	0.00 KIP	0.61 KIP	0.02 KIP	1.67 KIP	0.98 KIP	1.09 KIP	34	20 IN	(1) #5
		10 PSF	4.81 PSF	3.00 FT	ProfiPlus	0.00 KIP	0.65 KIP	0.02 KIP	1.67 KIP	1.00 KIP	1.09 KIP	34	20 IN	(1) #5
		20 PSF	9.62 PSF	3.00 FT	ProfiPlus	0.00 KIP	0.68 KIP	0.02 KIP	1.67 KIP	1.03 KIP	1.09 KIP	34	20 IN	(1) #5
	130 MPH	30 PSF	14.43 PSF	3.00 FT	ProfiPlus	0.00 KIP	0.72 KIP	0.02 KIP	1.67 KIP	1.05 KIP	1.09 KIP	34	20 IN	(1) #5
		40 PSF	19.24 PSF	3.00 FT	ProfiPlus	0.03 KIP	0.83 KIP	0.04 KIP	1.67 KIP	1.07 KIP	1.09 KIP	25	20 IN	(1) #5
		50 PSF	24.05 PSF	3.00 FT	ProfiPlus	0.04 KIP	0.95 KIP	0.05 KIP	1.67 KIP	1.10 KIP	1.09 KIP	23	21 IN	(1) #5
		60 PSF	28.87 PSF	3.00 FT	ProfiPlus	0.04 KIP	1.07 KIP	0.05 KIP	1.67 KIP	1.12 KIP	1.09 KIP	22	23 IN	(1) #5

						ASCE	7-10 W/ SEISM	IC DESIG	SN					
TILT	MAX	GROUND	SLOPED	MAX	PURLIN	FF	RONT CONNECTIO	N	R	EAR CONNECTIO	N	BAYS BETWEEN	BALLAST	# OF
	WIND	SNOW	ROOF SNOW	SPAN	TYPE	TENSION	COMPRESSION	\$HEAR	TEN\$ION	COMPRESSION	SHEAR	CROSS BRACING	WIDTH	REBAR
		0 PSF	0.00 PSF	7.25 FT	ProfiPlus	0.02 KIP	0.71 KIP	0.04 KIP	1.86 KIP	1.19 KIP	1.27 KIP	11	21 IN	(1) #5
		10 PSF	4.81 PSF	7.25 FT	ProfiPlus	0.02 KIP	0.80 KIP	0.04 KIP	1.86 KIP	1.25 KIP	1.27 KIP	11	21 IN	(1) #5
		20 PSF	9.62 PSF	7.25 FT	ProfiPlus	0.02 KIP	1.01 KIP	0.04 KIP	1.86 KIP	1.31 KIP	1.27 KIP	11	21 IN	(1) #5
	110 MPH	30 PSF	14.43 PSF	7.25 FT	ProfiPlus	0.02 KIP	1.29 KIP	0.04 KIP	1.86 KIP	1.37 KIP	1.27 KIP	11	21 IN	(1) #5
		40 PSF	19.24 PSF	7.25 FT	ProfiPlusXT	0.01 KIP	1.58 KIP	0.10 KIP	1.86 KIP	1.43 KIP	1.27 KIP	9	27 IN	(2) #5
		50 PSF	24.05 PSF	7.25 FT	ProfiPlusXT	0.01 KIP	1.87 KIP	0.12 KIP	1.86 KIP	1.60 KIP	1.27 KIP	9	29 IN	(2) #5
		60 PSF	28.87 PSF	7.00 FT	ProfiPlusXT	0.02 KIP	2.08 KIP	0.13 KIP	1.79 KIP	1.73 KIP	1.22 KIP	9	31 IN	(2) #5
		0 PSF	0.00 PSF	6.75 FT	ProfiPlus	0.02 KIP	0.71 KIP	0.04 KIP	1.90 KIP	1.20 KIP	1.29 KIP	13	21 IN	(1) #5
		10 PSF	4.81 PSF	6.75 FT	ProfiPlus	0.02 KIP	0.80 KIP	0.04 KIP	1.90 KIP	1.26 KIP	1.29 KIP	13	21 IN	(1) #5
		20 PSF	9.62 PSF	6.75 FT	ProfiPlus	0.02 KIP	0.96 KIP	0.04 KIP	1.90 KIP	1.31 KIP	1.29 KIP	13	21 IN	(1) #5
	115 MPH	30 PSF	14.43 PSF	6.75 FT	ProfiPlus	0.02 KIP	1.23 KIP	0.04 KIP	1.90 KIP	1.37 KIP	1.29 KIP	13	21 IN	(1) #5
		40 PSF	19.24 PSF	6.75 FT	ProfiPlus	0.01 KIP	1.50 KIP	0.10 KIP	1.90 KIP	1.42 KIP	1.29 KIP	10	26 IN	(2) #5
		50 PSF	24.05 PSF	6.75 FT	ProfiPlusXT	0.02 KIP	1.77 KIP	0.11 KIP	1.89 KIP	1.54 KIP	1.29 KIP	10	28 IN	(2) #5
		60 PSF	28.87 PSF	6.75 FT	ProfiPlusXT	0.02 KIP	2.04 KIP	0.13 KIP	1.89 KIP	1.71 KIP	1.29 KIP	9	30 IN	(2) #5
		0 PSF	0.00 PSF	5.25 FT	ProfiPlus	0.01 KIP	0.68 KIP	0.03 KIP	1.89 KIP	1.16 KIP	1.27 KIP	19	21 IN	(1) #5
	130 MPH	10 PSF	4.81 PSF	5.25 FT	ProfiPlus	0.01 KIP	0.75 KIP	0.03 KIP	1.89 KIP	1.21 KIP	1.27 KIP	19	21 IN	(1) #5
		20 PSF	9.62 PSF	5.25 FT	ProfiPlus	0.01 KIP	0.82 KIP	0.03 KIP	1.89 KIP	1.25 KIP	1.27 KIP	19	21 IN	(1) #5
		30 PSF	14.43 PSF	5.25 FT	ProfiPlus	0.01 KIP	1.03 KIP	0.03 KIP	1.89 KIP	1.29 KIP	1.27 KIP	19	21 IN	(1) #5
		40 PSF	19.24 PSF	5.25 FT	ProfiPlus	0.02 KIP	1.24 KIP			1.34 KIP	1.27 KIP	15	24 IN	(2) #5
		50 PSF	24.05 PSF	5.25 FT	ProfiPlus	0.02 KIP	1.44 KIP	0.09 KIP	1.89 KIP	1.38 KIP	1.27 KIP	14	26 IN	(2) #5
0=0		60 PSF	28.87 PSF	5.25 FT	ProfiPlus	0.03 KIP	1.65 KIP	0.10 KIP	1.89 KIP	1.44 KIP	1.27 KIP	13	28 IN	(2) #5
35°	140 MPH	0 PSF	0.00 PSF	4.50 FT	ProfiPlus	0.01 KIP	0.67 KIP	0.02 KIP		1.14 KIP	1.25 KIP	24	21 IN	(1) #5
		10 PSF	4.81 PSF	4.50 FT	ProfiPlus	0.01 KIP	0.72 KIP		1.87 KIP	1.17 KIP	1.25 KIP	24	21 IN	(1) #5
		20 PSF	9.62 PSF	4.50 FT	ProfiPlus	0.01 KIP	0.78 KIP	0.02 KIP	1.87 KIP	1.21 KIP	1.25 KIP	24	21 IN	(1) #5
		30 PSF	14.43 PSF	4.50 FT	ProfiPlus	0.01 KIP	0.93 KIP	0.02 KIP		1.25 KIP	1.25 KIP	24	21 IN	(1) #5
		40 PSF	19.24 PSF	4.50 FT	ProfiPlus	0.02 KIP	1.11 KIP	0.06 KIP	1.87 KIP	1.28 KIP	1.25 KIP	18	22 IN	(1) #5
		50 PSF	24.05 PSF	4.50 FT	ProfiPlus	0.03 KIP	1.29 KIP	0.07 KIP		1.32 KIP	1.25 KIP	17	24 IN	(2) #5
		60 PSF	28.87 PSF	4.50 FT	ProfiPlus	0.04 KIP	1.47 KIP	0.08 KIP	1.87 KIP	1.36 KIP	1.25 KIP	16	26 IN	(2) #5
		0 PSF	0.00 PSF					0.02 KIP			1.18 KIP	24	20 IN	(1) #5
		10 PSF	4.81 PSF	3.75 FT	ProfiPlus	0.00 KIP	0.68 KIP	0.02 KIP		1.09 KIP	1.18 KIP	24	20 IN	(1) #5
		20 PSF	9.62 PSF	3.75 FT	ProfiPlus	0.00 KIP	0.73 KIP	0.02 KIP		1.12 KIP	1.18 KIP	24	20 IN	(1) #5
	150 MPH		14.43 PSF	3.75 FT	ProfiPlus	0.00 KIP		0.02 KIP		1.15 KIP	1.18 KIP	24	20 IN	(1) #5
		40 PSF	19.24 PSF	3.75 FT	ProfiPlus	0.03 KIP	0.97 KIP	0.05 KIP		1.18 KIP	1.18 KIP	19	21 IN	(1) #5
		50 PSF	24.05 PSF	3.75 FT	ProfiPlus	0.03 KIP	1.12 KIP	0.06 KIP		1.21 KIP	1.18 KIP	18	23 IN	(1) #5
		60 PSF	28.87 PSF	3.75 FT	ProfiPlus	0.04 KIP	1.27 KIP	0.07 KIP		1.24 KIP	1.18 KIP	17	24 IN	(2) #5
		0 PSF	0.00 PSF	3.25 FT	ProfiPlus	0.00 KIP	0.62 KIP	0.02 KIP		1.02 KIP	1.14 KIP	34	20 IN	(1) #5
		10 PSF	4.81 PSF	3.25 FT	ProfiPlus	0.00 KIP		0.02 KIP		1.05 KIP	1.14 KIP	34	20 IN	(1) #5
		20 PSF	9.62 PSF	3.25 FT	ProfiPlus	0.00 KIP		0.02 KIP		1.07 KIP	1.14 KIP	34	20 IN	(1) #5
	160 MPH		14.43 PSF	3.25 FT	ProfiPlus	0.00 KIP	0.75 KIP	0.02 KIP		1.10 KIP	1.14 KIP	34	20 IN	(1) #5
		40 PSF	19.24 PSF	3.25 FT	ProfiPlus	0.03 KIP	0.88 KIP	0.04 KIP		1.12 KIP	1.14 KIP	25	20 IN	(1) #5
		50 PSF	24.05 PSF	3.25 FT	ProfiPlus	0.04 KIP		0.04 KIP		1.15 KIP	1.14 KIP	23	22 IN	(1) #5
		60 PSF	28.87 PSF	3.25 FT	ProfiPlus	0.04 KIP	1.14 KIP		1.72 KIP	1.17 KIP	1.14 KIP	22	23 IN	(1) #5

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

SCHLETTER

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

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

35° Snow Wind Alignment Ta

35° 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 SHEET: 4e of 4

SCALE: SEE DRAWING VIEWS