





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

						ASCE 7-05						
TILT	MAX	GROUND	ROOF	MAX	FF	RONT CONNECTION	NC	R	EAR CONNECTIO	N	BALLAST	# OF
IILI	WIND	SNOW	SNOW	SPAN	TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR	WIDTH	REBAR
		0 PSF	0.00 PSF	12.50 FT	0.94 KIP	3.24 KIP	0.00 KIP	5.56 KIP	3.99 KIP	2.53 KIP	29 IN	(2) #5
		10 PSF	6.87 PSF	12.50 FT	0.94 KIP	3.64 KIP	0.01 KIP	5.56 KIP	4.43 KIP	2.53 KIP	29 IN	(2) #5
		20 PSF	13.75 PSF	11.00 FT	0.82 KIP	3.92 KIP	0.02 KIP	4.87 KIP	4.46 KIP	2.22 KIP	26 IN	(2) #5
	85 MPH	30 PSF	20.62 PSF	9.25 FT	0.68 KIP	4.23 KIP	0.02 KIP	4.07 KIP	4.74 KIP	1.85 KIP	22 IN	(1) #5
		40 PSF	27.49 PSF	8.00 FT	0.58 KIP	4.46 KIP	0.02 KIP	3.49 KIP	4.94 KIP	1.58 KIP	19 IN	(1) #5
		50 PSF	34.36 PSF	7.00 FT	0.50 KIP	4.59 KIP	0.01 KIP	3.02 KIP	5.03 KIP	1.37 KIP	16 IN	(1) #5
		60 PSF	41.42 PSF	6.25 FT	0.44 KIP	4.70 KIP	0.01 KIP	2.66 KIP	5.10 KIP	1.21 KIP	14 IN	(1) #5
		0 PSF	0.00 PSF	11.75 FT	1.02 KIP	3.35 KIP	0.00 KIP	5.88 KIP	4.13 KIP	2.66 KIP	31 IN	(2) #
		10 PSF	6.87 PSF	11.75 FT	1.02 KIP	3.73 KIP	0.01 KIP	5.88 KIP	4.54 KIP	2.66 KIP	31 IN	(2) #5
		20 PSF	13.75 PSF	11.00 FT	0.95 KIP	4.06 KIP	0.02 KIP	5.49 KIP	4.64 KIP	2.49 KIP	29 IN	(2) #5
	90 MPH	30 PSF	20.62 PSF	9.00 FT	0.76 KIP	4.23 KIP	0.02 KIP	4.46 KIP	4.75 KIP	2.02 KIP	24 IN	(2) #5
		40 PSF	27.49 PSF	7.75 FT	0.65 KIP	4.42 KIP	0.01 KIP	3.80 KIP	4.90 KIP	1.72 KIP	20 IN	(1) #
		50 PSF	34.36 PSF	6.75 FT	0.56 KIP	4.51 KIP	0.01 KIP	3.27 KIP	4.94 KIP	1.48 KIP	18 IN	(1) #
		60 PSF	41.42 PSF	6.25 FT	0.51 KIP	4.78 KIP	0.01 KIP	3.01 KIP	5.20 KIP	1.35 KIP	16 IN	(1) #5
		0 PSF	0.00 PSF	10.50 FT	1.17 KIP	3.59 KIP	0.00 KIP	6.52 KIP	4.43 KIP	2.93 KIP	34 IN	(2) #5
		10 PSF	6.87 PSF	10.00 FT	1.11 KIP	3.73 KIP	0.01 KIP	6.20 KIP	4.55 KIP	2.79 KIP	33 IN	(2) #
		20 PSF	13.75 PSF	9.50 FT	1.05 KIP	3.84 KIP	0.01 KIP	5.87 KIP	4.64 KIP	2.64 KIP	31 IN	(2) #
		30 PSF	20.62 PSF	8.50 FT	0.93 KIP	4.23 KIP	0.01 KIP	5.22 KIP	4.77 KIP	2.35 KIP	28 IN	(2) #
		40 PSF	27.49 PSF	7.50 FT	0.81 KIP	4.48 KIP	0.01 KIP	4.57 KIP	4.99 KIP	2.05 KIP	24 IN	(2) #
		50 PSF	34.36 PSF	6.50 FT	0.69 KIP	4.51 KIP	0.01 KIP	3.91 KIP	4.96 KIP	1.75 KIP	21 IN	(1) #
20°		60 PSF	41.42 PSF	6.00 FT	0.64 KIP	4.74 KIP	0.01 KIP	3.58 KIP	5.17 KIP	1.60 KIP	19 IN	(1) #
20		0 PSF	0.00 PSF	9.00 FT	1.24 KIP	3.62 KIP	0.00 KIP	6.76 KIP	4.47 KIP	3.02 KIP	36 IN	(3) #
		10 PSF	6.87 PSF	8.75 FT	1.20 KIP	3.80 KIP	0.01 KIP	6.56 KIP	4.64 KIP	2.93 KIP	35 IN	(2) #
		20 PSF	13.75 PSF	8.25 FT	1.13 KIP	3.84 KIP	0.01 KIP	6.16 KIP	4.64 KIP	2.75 KIP	33 IN	(2) #
	110 MPH	30 PSF	20.62 PSF	8.00 FT	1.09 KIP	4.22 KIP	0.01 KIP	5.97 KIP	4.78 KIP	2.66 KIP	32 IN	(2) #
		40 PSF	27.49 PSF	7.00 FT	0.94 KIP	4.38 KIP	0.01 KIP	5.17 KIP	4.90 KIP	2.30 KIP	27 IN	(2) #
		50 PSF	34.36 PSF	6.25 FT	0.83 KIP	4.52 KIP	0.01 KIP	4.56 KIP	4.98 KIP	2.03 KIP	24 IN	(2) #
		60 PSF	41.42 PSF	5.75 FT	0.76 KIP	4.71 KIP	0.01 KIP	4.15 KIP	5.14 KIP	1.84 KIP	22 IN	(1) #
		0 PSF	0.00 PSF	7.75 FT	1.29 KIP	3.63 KIP	0.00 KIP	6.90 KIP	4.47 KIP	3.06 KIP	37 IN	(3) #
		10 PSF	6.87 PSF	7.75 FT	1.29 KIP	3.87 KIP	0.00 KIP	6.90 KIP	4.73 KIP	3.06 KIP	37 IN	(3) #
		20 PSF	13.75 PSF	7.50 FT	1.24 KIP	3.98 KIP	0.01 KIP	6.66 KIP	4.82 KIP	2.96 KIP	35 IN	(2) #
	120 MPH	30 PSF	20.62 PSF	7.25 FT	1.20 KIP	4.07 KIP	0.01 KIP	6.42 KIP	4.89 KIP	2.85 KIP	34 IN	(2) #
		40 PSF	27.49 PSF	6.75 FT	1.11 KIP	4.44 KIP	0.01 KIP	5.94 KIP	4.99 KIP	2.63 KIP	32 IN	(2) #
		50 PSF	34.36 PSF	6.00 FT	0.97 KIP	4.52 KIP	0.01 KIP	5.21 KIP	5.01 KIP	2.30 KIP	28 IN	(2) #
		60 PSF	41.42 PSF	5.50 FT	0.88 KIP	4.67 KIP	0.01 KIP	4.73 KIP	5.11 KIP	2.08 KIP	25 IN	(2) #
		0 PSF	0.00 PSF	6.50 FT	1.27 KIP	3.49 KIP	0.00 KIP	6.71 KIP	4.28 KIP	2.96 KIP	36 IN	(3)#
		10 PSF	6.87 PSF	6.50 FT	1.27 KIP	3.69 KIP	0.00 KIP	6.71 KIP	4.49 KIP	2.96 KIP	36 IN	(3) #
		20 PSF			1.27 KIP	3.89 KIP	0.01 KIP	6.71 KIP	4.71 KIP	2.96 KIP	36 IN	(3)#
	130 MPH	30 PSF	20.62 PSF	6.50 FT	1.27 KIP	4.10 KIP	0.01 KIP	6.71 KIP	4.93 KIP	2.96 KIP	36 IN	(3)#
		40 PSF	27.49 PSF	6.25 FT	1.22 KIP	4.32 KIP	0.01 KIP	6.43 KIP	4.93 KIP	2.83 KIP	34 IN	(2) #
		50 PSF	34.36 PSF	5.75 FT	1.11 KIP	4.53 KIP	0.01 KIP	5.86 KIP	5.03 KIP	2.57 KIP	31 IN	(2) #
	ı —	60 PSF	41.42 PSF	5.25 FT	1.01 KIP	4.63 KIP	0.01 KIP	5.28 KIP	5.07 KIP	2.31 KIP	29 IN	(2) #5

ASCE 7-10												
	MAX	GROUND	ROOF	MAX	FF	RONT CONNECTION	N	R	EAR CONNECTIO	N	BALLAST	# OF
TILT	WIND	SNOW	SNOW	SPAN	TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR	WIDTH	REBAR
		0 PSF	0.00 PSF	12.25 FT	0.97 KIP	3.30 KIP	0.00 KIP	5.71 KIP	4.06 KIP	2.59 KIP	29 IN	(2) #5
		10 PSF	6.87 PSF	12.00 FT	0.95 KIP	3.62 KIP	0.01 KIP	5.59 KIP	4.40 KIP	2.54 KIP	28 IN	(2) #5
		20 PSF	13.75 PSF	11.00 FT	0.87 KIP	3.97 KIP	0.02 KIP	5.11 KIP	4.53 KIP	2.32 KIP	26 IN	(2) #5
	110 MPH	30 PSF	20.62 PSF	9.25 FT	0.72 KIP	4.28 KIP	0.02 KIP	4.27 KIP	4.80 KIP	1.94 KIP	22 IN	(1) #5
		40 PSF	27.49 PSF	8.00 FT	0.62 KIP	4.50 KIP	0.02 KIP	3.66 KIP	4.99 KIP	1.66 KIP	19 IN	(1) #5
		50 PSF	34.36 PSF	7.00 FT	0.53 KIP	4.62 KIP	0.01 KIP	3.17 KIP	5.07 KIP	1.43 KIP	16 IN	(1) #5
		60 PSF	41.42 PSF	6.25 FT	0.47 KIP	4.73 KIP	0.01 KIP	2.80 KIP	5.14 KIP	1.26 KIP	14 IN	(1) #5
		0 PSF	0.00 PSF	11.75 FT	1.04 KIP	3.41 KIP	0.00 KIP	6.00 KIP	4.20 KIP	2.72 KIP	30 IN	(2) #5
		10 PSF	6.87 PSF	11.50 FT	1.02 KIP	3.71 KIP	0.01 KIP	5.87 KIP	4.51 KIP	2.66 KIP	30 IN	(2) #5
		20 PSF	13.75 PSF	10. <b>75</b> FT	0.95 KIP	4.00 KIP		5.48 KIP	4.58 KIP	2.48 KIP	28 IN	(2) #5
	115 MPH	30 PSF	20.62 PSF	9.00 FT	0.78 KIP	4.25 KIP		4.55 KIP	4.78 KIP	2.06 KIP	23 IN	(1) #5
		40 PSF	27.49 PSF	7.75 FT	0.67 KIP	4.43 KIP	0.01 KIP	3.88 KIP	4.92 KIP	1.75 KIP	20 IN	(1) #5
		50 PSF	34.36 PSF	6.75 FT	0.57 KIP	4.52 KIP	0.01 KIP	3.34 KIP	4.96 KIP	1.51 KIP	17 IN	(1) #5
		60 PSF	41.42 PSF	6.25 FT	0.53 KIP	4.80 KIP	0.01 KIP	3.07 KIP	5.22 KIP	1.38 KIP	16 IN	(1) #5
	130 MPH	0 PSF	0.00 PSF	10.25 FT	1.21 KIP	3.67 KIP	0.00 KIP	6.73 KIP	4.53 KIP	3.02 KIP	34 IN	(2) #5
		10 PSF	6.87 PSF	9.75 FT	1.15 KIP	3.80 KIP	0.01 KIP	6.39 KIP	4.64 KIP	2.87 KIP	32 IN	(2) #5
			13.75 PSF	9.25 FT	1.09 KIP	3.89 KIP		6.04 KIP	4.71 KIP	2.71 KIP	31 IN	(2) #5
			20.62 PSF	8.50 FT	0.99 KIP	4.30 KIP		5.53 KIP	4.86 KIP	2.48 KIP	28 IN	(2) #5
			27.49 PSF	7.25 FT	0.84 KIP	4.38 KIP	0.01 KIP	4.66 KIP	4.88 KIP	2.09 KIP	24 IN	(2) #5
			34.36 PSF	6.50 FT	0.74 KIP	4.56 KIP	-	4.14 KIP	5.03 KIP	1.85 KIP	21 IN	(1) #5
20°			41.42 PSF	6.00 FT	0.68 KIP	4.79 KIP		3.79 KIP	5.23 KIP	1.69 KIP	19 IN	(1) #5
		0 PSF	0.00 PSF	9.00 FT	1.26 KIP	3.66 KIP		6.84 KIP	4.52 KIP	3.06 KIP	35 IN	(2) #5
		10 PSF	6.87 PSF	8.75 FT	1.22 KIP	3.84 KIP		6.64 KIP	4.69 KIP	2.97 KIP	34 IN	(2) #5
		20 PSF	13.75 PSF	8.25 FT	1.14 KIP	3.87 KIP	-	6.24 KIP	4.69 KIP	2.79 KIP	32 IN	(2) #5
	140 MPH		20.62 PSF	8.00 FT	1.11 KIP	4.24 KIP		6.04 KIP	4.81 KIP	2.70 KIP	31 IN	(2) #5
			27.49 PSF	7.00 FT	0.96 KIP	4.40 KIP	·	5.23 KIP	4.91 KIP	2.33 KIP	27 IN	(2) #5
			34.36 PSF	6.25 FT	0.85 KIP	4.53 KIP		4.62 KIP	5.00 KIP	2.05 KIP	24 IN	(2) #5
			41.42 PSF			4.72 KIP		4.21 KIP	5.16 KIP	1.86 KIP	22 IN	(1) #5
		0 PSF	0.00 PSF			3.67 KIP	-	6.96 KIP		3.10 KIP	35 IN	(2) #5
		10 PSF		8.00 FT	1.30 KIP	3.92 KIP		6.96 KIP	4.80 KIP	3.10 KIP	35 IN	(2) #5
	4.50.3.50.1		13.75 PSF	7.50 FT	1.21 KIP	3.91 KIP		6.50 KIP	4.73 KIP	2.89 KIP	33 IN	(2) #5
	150 MPH		20.62 PSF	7.25 FT	1.17 KIP	4.02 KIP		6.27 KIP	4.81 KIP	2.78 KIP	32 IN	(2) #5
			27.49 PSF	6.75 FT	1.08 KIP	4.41 KIP		5.80 KIP	4.94 KIP	2.57 KIP	30 IN	(2) #5
			34.36 PSF	6.25 FT	0.99 KIP	4.69 KIP	<b>-</b>	5.33 KIP	5.20 KIP	2.36 KIP	27 IN	(2) #5
			41.42 PSF	5.50 FT	0.86 KIP	4.64 KIP		4.61 KIP	5.07 KIP	2.03 KIP	24 IN	(2) #5
		0 PSF	0.00 PSF	7.00 FT	1.30 KIP	3.59 KIP		6.88 KIP	4.41 KIP	3.05 KIP	35 IN	(2) #5
		10 PSF	6.87 PSF	7.00 FT	1.30 KIP	3.81 KIP		6.88 KIP	4.65 KIP	3.05 KIP	35 IN	(2) #5
			13.75 PSF		1.30 KIP	4.03 KIP		6.88 KIP	4.88 KIP	3.05 KIP	35 IN	(2) #5
	160 MPH		20.62 PSF		1.25 KIP	4.09 KIP		6.62 KIP	4.92 KIP	2.93 KIP	34 IN	(2) #5
			27.49 PSF	6.50 FT	1.20 KIP	4.42 KIP		6.35 KIP	4.97 KIP	2.80 KIP	32 IN	(2) #5
			34.36 PSF		1.10 KIP	4.66 KIP	-	5.81 KIP	5.18 KIP	2.56 KIP	30 IN	(2) #5
		60 PSF	41.42 PSF	5.50 FT	1.00 KIP	4.80 KIP	0.01 KIP	5.26 KIP	5.26 KIP	2.31 KIP	27 IN	(2) #5

					ASCE	7-05 W/ SEISMI	C DESIG	N				
TILT	MAX	GROUND	ROOF	MAX	FF	RONT CONNECTION			EAR CONNECTIO		BALLAST	# OF
	WIND	SNOW	SNOW	SPAN	<b>.</b>	COMPRESSION	<b>.</b>	-	COMPRESSION	SHEAR	WIDTH	REBAR
		0 PSF	0.00 PSF	12.25 FT	0.92 KIP	3.18 KIP	0.45 KIP	5.44 KIP	3.91 KIP	2.48 KIP	29 IN	(2) #5
		10 PSF	6.87 PSF	12.25 FT	0.92 KIP	3.57 KIP	0.45 KIP	5.44 KIP	4.34 KIP	2.48 KIP	29 IN	(2) #5
		20 PSF	13.75 PSF			3.92 KIP	0.42 KIP	4.87 KIP	4.46 KIP	2.22 KIP	26 IN	(2) #5
	85 MPH	30 PSF	20.62 PSF	9.25 FT	0.68 KIP	4.23 KIP		4.07 KIP	4.74 KIP	1.85 KIP	22 IN	(1) #5
					0.40 KIP	3.16 KIP	-	2.43 KIP	3.43 KIP	1.10 KIP	23 IN	(1) #5
			34.36 PSF		0.36 KIP	3.39 KIP		2.18 KIP	3.63 KIP	0.99 KIP	23 IN	(1) #5
			41.42 PSF		0.37 KIP	3.50 KIP		1.94 KIP	3.71 KIP	0.87 KIP	24 IN	(2) #5
		0 PSF		11.75 FT		3.35 KIP	•	5.88 KIP	4.13 KIP	2.66 KIP	31 IN	(2) #5
		10 PSF	6.87 PSF	11.75 FT		3.73 KIP		5.88 KIP	4.54 KIP	2.66 KIP	31 IN	(2) #5
		20 PSF	13.75 PSF	11.00 FT	0.95 KIP	4.06 KIP		5.49 KIP	4.64 KIP	2.49 KIP	29 IN	(2) #5
	90 MPH	30 PSF	20.62 PSF		0.76 KIP	4.23 KIP	0.35 KIP	·	4.75 KIP	2.02 KIP	24 IN	(2) #5
			27.49 PSF	5.75 FT	0.47 KIP	3.23 KIP		2.74 KIP	3.52 KIP	1.23 KIP	23 IN	(1) #5
	<u> </u>				0.42 KIP	3.45 KIP	0.64 KIP		3.71 KIP	1.11 KIP	23 IN	(1) #5
			41.42 PSF		0.37 KIP	3.56 KIP	•	2.19 KIP	3.78 KIP	0.98 KIP	24 IN	(2) #5
	100 MPH	0 PSF	0.00 PSF	10.50 FT	1.17 KIP	3.59 KIP	0.40 KIP	6.52 KIP	4.43 KIP	2.93 KIP	34 IN	(2) #5
		10 PSF	6.87 PSF	10.00 FT	1.11 KIP	3.73 KIP	0.38 KIP	6.20 KIP	4.55 KIP	2.79 KIP	33 IN	(2) #5
		20 PSF	13.75 PSF	9.50 FT	1.05 KIP	3.84 KIP	0.37 KIP	5.87 KIP	4.64 KIP	2.64 KIP	31 IN	(2) #5
		30 PSF	20.62 PSF	8.50 FT	0.93 KIP	4.23 KIP		5.22 KIP	4.77 KIP	2.35 KIP	28 IN	(2) #5
		40 PSF	27.49 PSF	5.75 FT	0.61 KIP	3.39 KIP	0.60 KIP	3.41 KIP	3.71 KIP	1.52 KIP	23 IN	(1) #5
		50 PSF	34.36 PSF	5.25 FT	0.55 KIP	3.59 KIP		3.07 KIP	3.89 KIP	1.37 KIP	23 IN	(1) #5
20°		60 PSF	41.42 PSF	4.75 FT	0.49 KIP	3.69 KIP	0.66 KIP	2.73 KIP	3.94 KIP	1.21 KIP	24 IN	(2) #5
20		0 PSF	0.00 PSF	9.25 FT	1.27 KIP	3.73 KIP	0.36 KIP	6.95 KIP	4.60 KIP	3.11 KIP	37 IN	(3) #5
		10 PSF	6.87 PSF	8.75 FT	1.20 KIP	3.80 KIP	0.34 KIP	6.56 KIP	4.64 KIP	2.93 KIP	35 IN	(2) #5
				8.25 FT	1.13 KIP	3.84 KIP		6.16 KIP	4.64 KIP	2.75 KIP	33 IN	(2) #5
	110 MPH		20.62 PSF	8.00 FT	1.09 KIP	4.22 KIP	0.32 KIP	5.97 KIP	4.78 KIP	2.66 KIP	32 IN	(2) #5
		40 PSF	27.49 PSF	5.75 FT	0.76 KIP	3.56 KIP		4.15 KIP	3.93 KIP	1.84 KIP	23 IN	(1) #5
			34.36 PSF		0.69 KIP	3.75 KIP		3.74 KIP	4.08 KIP	1.65 KIP	23 IN	(1) #5
			41.42 PSF		0.61 KIP	3.83 KIP		3.33 KIP	4.11 KIP	1.46 KIP	24 IN	(2) #5
		0 PSF	0.00 PSF	7.75 FT	1.29 KIP	3.63 KIP	0.31 KIP	6.90 KIP	4.47 KIP	3.06 KIP	37 IN	(3) #5
		10 PSF	6.87 PSF	7.75 FT	1.29 KIP	3.87 KIP	0.31 KIP	6.90 KIP	4.73 KIP	3.06 KIP	37 IN	(3) #5
		20 PSF	13.75 PSF	7.50 FT	1.24 KIP	3.98 KIP	0.30 KIP	6.66 KIP	4.82 KIP	2.96 KIP	35 IN	(2) #5
	120 MPH	30 PSF	20.62 PSF	7.25 FT	1.20 KIP	4.07 KIP	0.30 KIP	6.42 KIP	4.89 KIP	2.85 KIP	34 IN	(2) #5
		40 PSF	27.49 PSF	5.75 FT	0.93 KIP	3.75 KIP	0.60 KIP	4.97 KIP	4.16 KIP	2.19 KIP	26 IN	(2) #5
		50 PSF	34.36 PSF	5.25 FT	0.84 KIP	3.92 KIP	0.64 KIP	4.48 KIP	4.29 KIP	1.97 KIP	24 IN	(2) #5
		60 PSF	41.42 PSF	4.75 FT	0.75 KIP	3.98 KIP	0.66 KIP	3.98 KIP	4.30 KIP	1.74 KIP	24 IN	(2) #5
		0 PSF	0.00 PSF	6.75 FT	1.33 KIP	3.63 KIP	0.28 KIP	7.00 KIP	4.46 KIP	3.09 KIP	37 IN	(3) #5
		10 PSF	6.87 PSF	6.75 FT	1.33 KIP	3.84 KIP	0.28 KIP	7.00 KIP	4.69 KIP	3.09 KIP	37 IN	(3) #5
		20 PSF	13.75 PSF	6.75 FT	1.33 KIP	4.05 KIP	0.28 KIP	7.00 KIP	4.91 KIP	3.09 KIP	37 IN	(3) #5
	130 MPH	30 PSF	20.62 PSF	6.50 FT	1.27 KIP	4.10 KIP	0.27 KIP	6.71 KIP	4.93 KIP	2.96 KIP	36 IN	(3) #5
		40 PSF	27.49 PSF	5.75 FT	1.11 KIP	3.96 KIP	0.60 KIP	5.86 KIP	4.48 KIP	2.57 KIP	31 IN	(2) #5
		50 PSF	34.36 PSF	5.25 FT	1.01 KIP	4.11 KIP	0.64 KIP	5.28 KIP	4.52 KIP	2.31 KIP	29 IN	(2) #5
		60 PSF	41.42 PSF	4.75 FT	0.90 KIP	4.15 KIP	0.66 KIP	4.69 KIP	4.50 KIP	2.05 KIP	26 IN	(2) #5

						7-10 W/ SEISMI						
TILT	MAX	GROUND	ROOF	MAX	FF	RONT CONNECTIO	N	R	EAR CONNECTIO	N	BALLAST	# OF
11121	WIND	SNOW	SNOW	SPAN	TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR	WIDTH	REBAR
		0 PSF	0.00 PSF	12.25 FT	0.97 KIP	3.30 KIP	0.45 KIP	5.71 KIP	4.06 KIP	2.59 KIP	33 IN	(2) #5
		10 PSF	6.87 PSF	12.00 FT	0.95 KIP	3.62 KIP	0.44 KIP	5.59 KIP	4.40 KIP	2.54 KIP	32 IN	(2) #5
		20 PSF	13.75 PSF	11.00 FT	0.87 KIP	3.97 KIP	0.42 KIP	5.11 KIP	4.53 KIP	2.32 KIP	30 IN	(2) #5
	110 MPH	30 PSF	20.62 PSF	9.25 FT	0.72 KIP	4.28 KIP	0.36 KIP	4.27 KIP	4.80 KIP	1.94 KIP	25 IN	(2) #5
		40 PSF	27.49 PSF	5.75 FT	0.43 KIP	3.19 KIP	0.60 KIP	2.55 KIP	3.46 KIP	1.15 KIP	23 IN	(1) #5
		50 PSF	34.36 PSF	5.25 FT	0.38 KIP	3.41 KIP	0.64 KIP	2.29 KIP	3.66 KIP	1.03 KIP	24 IN	(2) #5
		60 PSF	41.42 PSF	4.75 FT	0.37 KIP	3.53 KIP	0.66 KIP	2.04 KIP	3.74 KIP	0.91 KIP	24 IN	(2) #5
		0 PSF	0.00 PSF	11.75 FT	ļ	3.41 KIP	0.43 KIP	6.00 KIP	4.20 KIP	2.72 KIP	35 IN	(2) #5
		10 PSF	6.87 PSF	11.50 FT	1.02 KIP	3.71 KIP		5.87 KIP	4.51 KIP	2.66 KIP	34 IN	(2) #5
		20 PSF	13.75 PSF	10.75 FT	0.95 KIP	4.00 KIP	0.41 KIP	5.48 KIP	4.58 KIP	2.48 KIP	32 IN	(2) #5
	115 MPH	30 PSF	20.62 PSF	9.00 FT	0.78 KIP	4.25 KIP		4.55 KIP	4.78 KIP	2.06 KIP	27 IN	(2) #5
		40 PSF	27.49 PSF		0.48 KIP	3.25 KIP		2.79 KIP	3.54 KIP	1.26 KIP	23 IN	(1) #5
		50 PSF	34.36 PSF	5.25 FT	0.43 KIP	3.46 KIP		2.52 KIP	3.73 KIP	1.13 KIP	24 IN	(2) #5
			41.42 PSF		0.38 KIP	3.57 KIP		2.24 KIP	3.80 KIP	1.00 KIP	24 IN	(2) #5
		0 PSF	0.00 PSF	10.25 FT	1.21 KIP	3.67 KIP		6.73 KIP	4.53 KIP	3.02 KIP	39 IN	(3) #5
		10 PSF	6.87 PSF	9.75 FT	1.15 KIP	3.80 KIP		6.39 KIP	4.64 KIP	2.87 KIP	37 IN	(3) #5
	130 MPH	20 PSF	13.75 PSF	9.25 FT	1.09 KIP	3.89 KIP		6.04 KIP		2.71 KIP	35 IN	(2) #5
			20.62 PSF		0.99 KIP			5.53 KIP	4.86 KIP	2.48 KIP	32 IN	(2) #5
			27.49 PSF		0.65 KIP	3.43 KIP		3.61 KIP	3.77 KIP	1.61 KIP	23 IN	(1) #5
			34.36 PSF	5.25 FT	0.58 KIP	3.64 KIP		3.25 KIP	3.94 KIP	1.44 KIP	24 IN	(2) #5
20°			41.42 PSF		0.52 KIP	3.73 KIP		2.89 KIP	3.98 KIP	1.28 KIP	24 IN	(2) #5
		0 PSF	0.00 PSF	9.00 FT	1.26 KIP			6.84 KIP	4.52 KIP	3.06 KIP	40 IN	(3) #5
		10 PSF	6.87 PSF	8.75 FT	1.22 KIP	3.84 KIP		6.64 KIP		2.97 KIP	39 IN	(3) #5
		20 PSF	13.75 PSF	8.25 FT	1.14 KIP	3.87 KIP		6.24 KIP	4.69 KIP	2.79 KIP	36 IN	(3) #5
	140 MPH		20.62 PSF	8.00 FT	1.11 KIP	4.24 KIP		6.04 KIP	4.81 KIP	2.70 KIP	35 IN	(2) #5
			27.49 PSF		0.77 KIP	3.57 KIP		4.21 KIP		1.86 KIP	25 IN	(2) #5
			34.36 PSF	5.25 FT	0.70 KIP	3.76 KIP		3.79 KIP	4.10 KIP	1.67 KIP	24 IN	(2) #5
			41.42 PSF					3.37 KIP		1.48 KIP	24 IN	(2) #5
		0 PSF	0.00 PSF	8.00 FT	<b>├</b>			6.96 KIP		3.10 KIP	40 IN	(3) #5
		10 PSF			1.30 KIP			6.96 KIP		3.10 KIP	40 IN	(3) #5
	450 MOU		13.75 PSF		1.21 KIP			6.50 KIP		2.89 KIP	38 IN	(3) #5
	150 MPH		20.62 PSF		1.17 KIP		-	6.27 KIP		2.78 KIP	36 IN	(3) #5
			27.49 PSF		0.90 KIP			4.85 KIP		2.14 KIP	28 IN	(2) #5
					0.82 KIP			4.37 KIP	4.26 KIP	1.92 KIP	26 IN	(2) #5
			41.42 PSF		0.73 KIP			3.89 KIP	4.27 KIP	1.70 KIP	24 IN	(2) #5
		0 PSF	0.00 PSF	7.00 FT	1.30 KIP			6.88 KIP		3.05 KIP	40 IN	(3) #5
		10 PSF	6.87 PSF	7.00 FT	1.30 KIP			6.88 KIP		3.05 KIP	40 IN	(3) #5
	460 14011		13.75 PSF		1.30 KIP			6.88 KIP	4.88 KIP	3.05 KIP	40 IN	(3) #5
	160 MPH		20.62 PSF		1.25 KIP			6.62 KIP	4.92 KIP	2.93 KIP	38 IN	(3) #5
			27.49 PSF		1.05 KIP			5.54 KIP	4.33 KIP	2.44 KIP	32 IN	(2) #5
			34.36 PSF		0.95 KIP		-	4.99 KIP	4.44 KIP	2.19 KIP	29 IN	(2) #5
		60 PSF	41.42 PSF	4./5 F I	0.85 KIP	4.09 KIP	0.66 KIP	4.44 KIP	4.43 KIP	1.94 KIP	26 IN	(2) #5

_	NO.	DRAWN:	CHECKED:	REVIEWED:	APPROVED:	REVISIONS:
	0	BushBr 9/27/2014				New Drawing
	1	BushBr 3/12/2015				Notes, embedments New Tables, and Sheets
	2	BushBr 11/5/2015				Change Ballast Size, Max Dead Load, Add 2015
	3	BushBr 11/18/2015				Change Ballast Size
	4	VasqHu 08/01/2016				Updated Load Tables
K	5	·				
	6					
	7					
	8					

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



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

1001 COMMERCE CENTER DR. | SHELBY, NC 28150 TEL: (704) 595 - 4200 | Fax: ( 704) 595 - 4210 EMAIL: MAIL@SCHLETTER.US WWW.SCHLETTER.US

Standard PvMax, 72 Cell, 20° - 30° Racking Structure

Snow, Wind, Alignment, Tables, 20°

ISSUED BY: SCHLETTER INC.
PROPRIETARY AND CONFIDENTIAL

Project Site:
Schletter Inc

Schletter Inc 1001 Commerce Center Dr Shelby, NC 28150 Drawing Number:

۱ ۵.۷

JOB NUMBER: V SCALI SHEET: 4a of 4 SEE D

SCALE: SEE DRAWING VIEWS

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

						ASCE 7-05						
	MAX	GROUND	ROOF	MAX	FF	RONT CONNECTION	N	R	EAR CONNECTIO	N	BALLAST	# OF
TILT	WIND	SNOW	SNOW	SPAN	TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR	WIDTH	REBAR
		0 PSF	0.00 PSF	12.25 FT	0.47 KIP	2.90 KIP	0.01 KIP	5.82 KIP	4.18 KIP	3.14 KIP	30 IN	(2) #5
		10 PSF	6.19 PSF	12.25 FT		3.24 KIP	0.01 KIP	5.82 KIP	4.54 KIP	3.14 KIP	30 IN	(2) #5
		20 PSF	12.37 PSF	11.25 FT	0.43 KIP	3.59 KIP	0.02 KIP	5.33 KIP	4.49 KIP	2.88 KIP	28 IN	(2) #5
	85 MPH	30 PSF	18.56 PSF	9.75 FT	0.37 KIP	3.98 KIP		4.60 KIP	4.61 KIP	2.48 KIP	24 IN	(2) #5
		40 PSF	24.74 PSF	8.75 FT	0.33 KIP	4.35 KIP	0.02 KIP	4.10 KIP	4.93 KIP	2.21 KIP	21 IN	(1) #5
		50 PSF	30.39 PSF	7.75 FT	0.28 KIP	4.53 KIP	0.02 KIP	3.60 KIP	5.04 KIP	1.94 KIP	19 IN	(1) #5
		60 PSF	37.11 PSF	7.00 FT	0.25 KIP	4.70 KIP	0.02 KIP	3.23 KIP	5.15 KIP	1.74 KIP	17 IN	(1) #5
		0 PSF	0.00 PSF	11.50 FT	0.52 KIP	2.99 KIP	0.01 KIP	6.14 KIP	4.33 KIP	3.30 KIP	32 IN	(2) #5
		10 PSF	6.19 PSF	11.50 FT	0.52 KIP	3.31 KIP	0.01 KIP	6.14 KIP	4.67 KIP	3.30 KIP	32 IN	(2) #5
		20 PSF	12.37 PSF	11.00 FT	0.50 KIP	3.64 KIP	0.02 KIP	5.87 KIP	4.78 KIP	3.15 KIP	30 IN	(2) #5
	90 MPH	30 PSF	18.56 PSF	9.75 FT	0.44 KIP	4.09 KIP	0.02 KIP	5.18 KIP	4.79 KIP	2.78 KIP	27 IN	(2) #5
		40 PSF	24.74 PSF	8.50 FT	0.38 KIP	4.32 KIP	0.02 KIP	4.48 KIP	4.93 KIP	2.41 KIP	23 IN	(1) #5
		50 PSF		7.50 FT	0.33 KIP	4.47 KIP	0.02 KIP	3.92 KIP	5.00 KIP	2.10 KIP	20 IN	(1) #5
		60 PSF	37.11 PSF	6.75 FT	0.29 KIP	4.60 KIP	0.02 KIP	3.50 KIP	5.06 KIP	1.87 KIP	18 IN	(1) #5
		0 PSF	0.00 PSF	10.25 FT	0.62 KIP	3.18 KIP	0.00 KIP	6.79 KIP	4.64 KIP	3.63 KIP	35 IN	(2) #5
	100 MPH	10 PSF	6.19 PSF		0.61 KIP	3.38 KIP	0.01 KIP	6.62 KIP	4.81 KIP	3.53 KIP	34 IN	(2) #5
		20 PSF	12.37 PSF	9.50 FT	0.57 KIP	3.47 KIP	0.01 KIP	6.27 KIP	4.84 KIP	3.35 KIP	32 IN	(2) #5
		30 PSF	18.56 PSF	9.00 FT	0.54 KIP	4.00 KIP	0.02 KIP	5.93 KIP	4.83 KIP	3.16 KIP	31 IN	(2) #5
		40 PSF	24.74 PSF	8.00 FT	0.48 KIP	4.26 KIP	0.02 KIP	5.23 KIP	4.92 KIP	2.79 KIP	27 IN	(2) #5
			30.39 PSF	7.25 FT	0.43 KIP	4.49 KIP	0.02 KIP	4.71 KIP	5.09 KIP	2.51 KIP	24 IN	(2) #5
25°		60 PSF		6.50 FT	0.38 KIP	4.59 KIP		4.18 KIP	5.10 KIP	2.22 KIP	22 IN	(1) #5
20		0 PSF	0.00 PSF	8.75 FT	0.67 KIP	3.19 KIP		7.00 KIP	4.67 KIP	3.72 KIP	36 IN	(3) #5
		10 PSF	6.19 PSF	8.75 FT	0.67 KIP	3.43 KIP	-	7.00 KIP	4.92 KIP	3.72 KIP	36 IN	(3) #5
	<u></u>	20 PSF	12.37 PSF	8.25 FT	0.63 KIP	3.46 KIP		6.58 KIP	4.86 KIP	3.49 KIP	34 IN	(2) #5
	110 MPH	30 PSF	18.56 PSF	8.00 FT	0.61 KIP	3.77 KIP		6.37 KIP	4.94 KIP	3.38 KIP	33 IN	(2) #5
			<b>,</b>	7.75 FT	0.59 KIP	4.34 KIP	<b>+</b>	6.15 KIP	5.08 KIP	3.26 KIP	32 IN	(2) #5
			30.39 PSF		0.53 KIP	4.53 KIP		5.51 KIP	5.19 KIP	2.92 KIP	29 IN	(2) #5
			37.11 PSF		0.47 KIP	4.58 KIP	-	4.87 KIP	5.14 KIP	2.57 KIP	26 IN	(2) #5
		0 PSF	0.00 PSF		0.71 KIP	3.17 KIP		7.10 KIP	4.65 KIP	3.75 KIP	37 IN	(3) #5
		10 PSF	6.19 PSF	7.50 FT		3.38 KIP		7.10 KIP	4.86 KIP	3.75 KIP	37 IN	(3) #5
	400 1401	20 PSF	•			3.59 KIP	-	7.10 KIP	5.08 KIP	3.75 KIP	37 IN	(3) #5
	120 MPH	30 PSF			0.69 KIP	3.67 KIP		6.85 KIP	5.10 KIP	3.61 KIP	35 IN	(2) #5
			24.74 PSF			4.12 KIP		6.59 KIP	5.11 KIP	3.48 KIP	34 IN	(2) #5
			30.39 PSF			4.39 KIP		6.08 KIP	5.07 KIP	3.20 KIP	32 IN	(2) #5
			37.11 PSF		0.56 KIP	4.56 KIP		5.56 KIP	5.17 KIP	2.92 KIP	30 IN	(2) #5
		0 PSF	0.00 PSF		0.71 KIP	3.03 KIP		6.85 KIP	4.41 KIP	3.60 KIP	36 IN	(3) #5
		10 PSF	•	•	0.71 KIP	3.20 KIP	•	6.85 KIP	4.59 KIP	3.60 KIP	36 IN	(3) #5
	400 3 400	20 PSF			0.71 KIP	3.37 KIP		6.85 KIP	4.76 KIP	3.60 KIP	36 IN	(3) #5
	130 MPH				0.71 KIP	3.54 KIP		6.85 KIP	4.94 KIP	3.60 KIP	36 IN	(3) #5
			24.74 PSF		0.71 KIP	3.86 KIP	<del></del>	6.85 KIP	5.12 KIP	3.60 KIP	36 IN	(3) #5
			30.39 PSF			4.23 KIP		6.55 KIP	5.05 KIP	3.43 KIP	35 IN	(2) #5
		60 PSF	37.11 PSF	5.75 F I	U.65 KIP	4.55 KIP	U.UT KIP	6.24 KIP	5.20 KIP	3.27 KIP	33 IN	(2) #5

ASCE 7-10												
	MAX	GROUND	ROOF	MAX	FF	RONT CONNECTION	N	R	EAR CONNECTIO	N	BALLAST	# OF
TILT	WIND	SNOW	SNOW	SPAN	TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR	WIDTH	REBAR
		0 PSF	0.00 PSF	12.00 FT	0.49 KIP	2.95 KIP	0.01 KIP	5.98 KIP	4.26 KIP	3.22 KIP	30 IN	(2) #5
		10 PSF	6.19 PSF	12.00 FT	0.49 KIP	3.28 KIP	0.01 KIP	5.98 KIP	4.61 KIP	3.22 KIP	30 IN	(2) #5
		20 PSF	12.37 PSF	11.25 FT	0.46 KIP	3.64 KIP	0.02 KIP	5.59 KIP	4.65 KIP	3.01 KIP	28 IN	(2) #5
	110 MPH	30 PSF	18.56 PSF	9.75 FT	0.39 KIP	4.02 KIP	0.02 KIP	4.82 KIP	4.68 KIP	2.60 KIP	24 IN	(2) #5
		40 PSF	24.74 PSF	8.75 FT	0.35 KIP	4.38 KIP	0.02 KIP	4.30 KIP	4.99 KIP	2.32 KIP	21 IN	(1) #5
		50 PSF	30.39 PSF	7.75 FT	0.31 KIP	4.56 KIP	0.02 KIP	3.78 KIP	5.10 KIP	2.03 KIP	19 IN	(1) #5
		60 PSF	37.11 PSF	7.00 FT	0.27 KIP	4.73 KIP	0.02 KIP	3.39 KIP	5.20 KIP	1.82 KIP	17 IN	(1) #5
		0 PSF	0.00 PSF	11.50 FT	0.54 KIP	3.04 KIP	0.01 KIP	6.28 KIP	4.41 KIP	3.37 KIP	31 IN	(2) #5
		10 PSF	6.19 PSF	11.50 FT	0.54 KIP	3.36 KIP	0.01 KIP	6.28 KIP	4.75 KIP	3.37 KIP	31 IN	(2) #5
		20 PSF	12.37 PSF	10.75 FT	0.50 KIP	3.58 KIP	0.02 KIP	5.85 KIP	4.74 KIP	3.14 KIP	29 IN	(2) #5
	115 MPH	30 PSF	18.56 PSF	9.75 FT	0.45 KIP	4.11 KIP	0.02 KIP	5.29 KIP	4.82 KIP	2.84 KIP	26 IN	(2) #5
		40 PSF	24.74 PSF	8.50 FT	0.39 KIP	4.34 KIP	0.02 KIP	4.58 KIP	4.96 KIP	2.46 KIP	23 IN	(1) #5
	. ⊢		30.39 PSF	7.50 FT	0.34 KIP	4.48 KIP		4.01 KIP	5.02 KIP	2.15 KIP	20 IN	(1) #5
			37.11 PSF	6.75 FT	0.30 KIP	4.62 KIP		3.57 KIP	5.09 KIP	1.91 KIP	18 IN	(1) #5
	130 MPH	0 PSF	0.00 PSF	<del>†</del>	0.65 KIP	3.25 KIP	<b>.</b>	7.00 KIP	4.75 KIP	3.73 KIP	35 IN	(2) #5
		10 PSF	6.19 PSF	9.50 FT	0.62 KIP	3.35 KIP	0.01 KIP		4.78 KIP	3.54 KIP	33 IN	(2) #5
		20 PSF	12.37 PSF	9.25 FT	0.60 KIP	3.51 KIP	<b>-</b>	6.45 KIP	4.91 KIP	3.44 KIP	32 IN	(2) #5
		30 PSF	18.56 PSF	8.75 FT	0.56 KIP	3.95 KIP		6.09 KIP	4.89 KIP	3.24 KIP	30 IN	(2) #5
			24.74 PSF		0.51 KIP	4.32 KIP		5.54 KIP	5.01 KIP	2.95 KIP	28 IN	(2) #5
			30.39 PSF	7.00 FT	0.44 KIP	4.39 KIP	·	4.79 KIP	4.97 KIP	2.55 KIP	24 IN	(2) #5
25°			37.11 PSF	6.50 FT	0.41 KIP	4.64 KIP		4.42 KIP	5.17 KIP	2.35 KIP	22 IN	(1) #5
		0 PSF	0.00 PSF	8.75 FT	0.69 KIP	3.22 KIP		7.09 KIP	4.72 KIP	3.76 KIP	35 IN	(2) #5
		10 PSF	6.19 PSF	8.50 FT	0.66 KIP	3.37 KIP	-	6.88 KIP	4.82 KIP	3.65 KIP	34 IN	(2) #5
		20 PSF		8.25 FT	0.64 KIP	3.49 KIP		6.66 KIP	4.91 KIP	3.53 KIP	33 IN	(2) #5
	140 MPH	30 PSF		8.00 FT	0.62 KIP	3.79 KIP		6.45 KIP	4.98 KIP	3.42 KIP	32 IN	(2) #5
			24.74 PSF	7.50 FT	0.58 KIP	4.21 KIP	-	6.02 KIP	4.93 KIP	3.19 KIP	30 IN	(2) #5
			30.39 PSF	6.75 FT	0.52 KIP	4.37 KIP		5.37 KIP	5.00 KIP	2.84 KIP	27 IN	(2) #5
			37.11 PSF					4.93 KIP		2.60 KIP		(2) #5
		0 PSF	0.00 PSF	7.50 FT	0.69 KIP	3.11 KIP	<del></del>	6.93 KIP	4.55 KIP	3.66 KIP	34 IN	(2) #5
		10 PSF	6.19 PSF		0.69 KIP	3.31 KIP		6.93 KIP	4.76 KIP	3.66 KIP	34 IN	(2) #5
	150 MDU		12.37 PSF		0.69 KIP	3.52 KIP		6.93 KIP	4.98 KIP	3.66 KIP	34 IN	(2) #5
	150 MPH		18.56 PSF	•	0.67 KIP	3.60 KIP	<b>-</b>	6.68 KIP	5.00 KIP	3.53 KIP	33 IN	(2) #5
			24.74 PSF		0.64 KIP	4.09 KIP		6.43 KIP	5.01 KIP	3.40 KIP	32 IN	(2) #5
			30.39 PSF	<b>.</b>	0.59 KIP	4.36 KIP		5.93 KIP	5.03 KIP	3.13 KIP	30 IN	(2) #5
			37.11 PSF		0.54 KIP	4.54 KIP		5.43 KIP	5.13 KIP	2.85 KIP	28 IN	(2) #5
		0 PSF	0.00 PSF 6.19 PSF	6.75 FT	0.72 KIP	3.12 KIP		7.06 KIP	4.57 KIP	3.71 KIP	35 IN	(2) #5
			<del> </del>	6.75 FT	0.72 KIP	3.31 KIP	<b>-</b>	7.06 KIP	4.76 KIP	3.71 KIP	35 IN	(2) #5
	160 MDH		12.37 PSF		0.72 KIP	3.50 KIP		7.06 KIP	4.95 KIP	3.71 KIP	35 IN	(2) #5
	160 MPH		18.56 PSF	6.75 FT	0.72 KIP	3.68 KIP		7.06 KIP	5.14 KIP	3.71 KIP	35 IN	(2) #5
			24.74 PSF 30.39 PSF	_	0.70 KIP 0.67 KIP	3.95 KIP 4.34 KIP	0.01 KIP	6.48 KIP	5.11 KIP 5.07 KIP	3.56 KIP	34 IN	(2) #5
			30.39 PSF 37.11 PSF	<del>†</del>	0.67 KIP	4.34 KIP 4.48 KIP	-	5.90 KIP	5.07 KIP 5.10 KIP	3.40 KIP 3.09 KIP	33 IN 30 IN	(2) #5
		00 F 0 F	31.11 435	3.73 F L	0.01 KIP	1 4.40 NF	U.UI KIP	אט טפינין	5. 10 KIP	3.08 NP	OU IIV	(2) #5

	ASCE 7-05 W/ SEISMIC DESIGN											
TILT	MAX	GROUND	ROOF	MAX	FF	RONT CONNECTI	ON	RE	EAR CONNECTION	M	BALLAST	# OF
1161	WIND	SNOW	SNOW	SPAN	TENSION	COMPRESSION			COMPRESSION	SHEAR	WIDTH	REBAR
		0 PSF	0.00 PSF	11.75 FT	0.45 KIP	2.78 KIP	0.47 KIP	5.58 KIP	4.01 KIP	3.01 KIP	29 IN	(2) #5
		10 PSF	6.19 PSF	11.50 FT	0.44 KIP	3.04 KIP	0.46 KIP	5.45 KIP	4.26 KIP	2.94 KIP	28 IN	(2) #5
		20 PSF	12.37 PSF	11.25 FT	0.43 KIP	3.59 KIP	0.46 KIP	5.33 KIP	4.49 KIP	2.88 KIP	28 IN	(2) #5
	85 MPH	30 PSF	18.56 PSF	9.75 FT	0.37 KIP	3.98 KIP	0.41 KIP	4.60 KIP	4.61 KIP	2.48 KIP	24 IN	(2) #5
		40 PSF	24.74 PSF	5.75 FT	0.34 KIP	2.83 KIP	0.64 KIP	2.59 KIP	3.11 KIP	1.39 KIP	23 IN	(1) #5
		50 PSF	30.39 PSF	5.25 FT	0.41 KIP	3.03 KIP	0.68 KIP	2.34 KIP	3.26 KIP	1.25 KIP	24 IN	(2) #5
		60 PSF	37.11 PSF	4.75 FT	0.48 KIP	3.13 KIP	0.70 KIP	2.07 KIP	3.30 KIP	1.11 KIP	24 IN	(2) #5
		0 PSF	0.00 PSF	11.50 FT	0.52 KIP	2.99 KIP	+	6.14 KIP	4.33 KIP	3.30 KIP	32 IN	(2) #5
		10 PSF	6.19 PSF	11.50 FT	0.52 KIP	3.31 KIP	0.46 KIP	6.14 KIP	4.67 KIP	3.30 KIP	32 IN	(2) #5
		20 PSF	12.37 PSF	11.00 FT	0.50 KIP	3.64 KIP		5.87 KIP	4.78 KIP	3.15 KIP	30 IN	(2) #5
	90 MPH	30 PSF	18.56 PSF	9.75 FT	0.44 KIP	4.09 KIP	0.41 KIP	5.18 KIP	4.79 KIP	2.78 KIP	27 IN	(2) #5
		40 PSF	24.74 PSF	5.75 FT	0.34 KIP	2.89 KIP	0.64 KIP	2.92 KIP	3.21 KIP	1.56 KIP	23 IN	(1) #5
		50 PSF	30.39 PSF	5.25 FT	0.41 KIP	3.09 KIP	0.68 KIP	2.63 KIP	3.34 KIP	1.40 KIP	24 IN	(2) #5
		60 PSF	37.11 PSF	4.75 FT	0.48 KIP	3.19 KIP	0.70 KIP	2.34 KIP	3.38 KIP	1.24 KIP	24 IN	(2) #5
	100 MPH	0 PSF	0.00 PSF	10.25 FT	0.62 KIP	3.18 KIP	0.42 KIP	6.79 KIP	4.64 KIP	3.63 KIP	35 IN	(2) #5
		10 PSF	6.19 PSF	10.00 FT	0.61 KIP	3.38 KIP	0.41 KIP	6.62 KIP	4.81 KIP	3.53 KIP	34 IN	(2) #5
		20 PSF	12.37 PSF	9.50 FT	0.57 KIP	3.47 KIP	0.40 KIP	6.27 KIP	4.84 KIP	3.35 KIP	32 IN	(2) #5
		30 PSF	18.56 PSF	9.00 FT	0.54 KIP	4.00 KIP	0.38 KIP	5.93 KIP	4.83 KIP	3.16 KIP	31 IN	(2) #5
		40 PSF	24.74 PSF	5.75 FT	0.34 KIP	3.03 KIP	0.64 KIP	3.64 KIP	3.42 KIP	1.93 KIP	23 IN	(1) #5
		50 PSF	30.39 PSF	5.25 FT	0.41 KIP	3.21 KIP	0.68 KIP	3.28 KIP	3.53 KIP	1.73 KIP	24 IN	(2) #5
25°		60 PSF	37.11 PSF	4.75 FT	0.48 KIP	3.30 KIP	0.70 KIP	2.91 KIP	3.54 KIP	1.54 KIP	24 IN	(2) #5
20		0 PSF	0.00 PSF	8.75 FT	0.67 KIP	3.19 KIP	0.37 KIP	7.00 KIP	4.67 KIP	3.72 KIP	36 IN	(3) #5
		10 PSF	6.19 PSF	8.75 FT	0.67 KIP	3.43 KIP	0.37 KIP	7.00 KIP	4.92 KIP	3.72 KIP	36 IN	(3) #5
		20 PSF	12.37 PSF	8.25 FT	0.63 KIP	3.46 KIP	0.35 KIP	6.58 KIP	4.86 KIP	3.49 KIP	34 IN	(2) #5
	110 MPH	30 PSF	18.56 PSF	8.00 FT	0.61 KIP	3.77 KIP	0.34 KIP	6.37 KIP	4.94 KIP	3.38 KIP	33 IN	(2) #5
		40 PSF	24.74 PSF	5.75 FT	0.43 KIP	3.19 KIP	0.64 KIP	4.43 KIP	3.65 KIP	2.34 KIP	24 IN	(2) #5
		50 PSF	30.39 PSF	5.25 FT	0.41 KIP	3.35 KIP	0.68 KIP	3.99 KIP	3.74 KIP	2.10 KIP	24 IN	(2) #5
		60 PSF	37.11 PSF	4.75 FT	0.48 KIP	3.43 KIP	_	3.55 KIP	3.73 KIP	1.86 KIP	24 IN	(2) #5
		0 PSF	0.00 PSF	7.50 FT	0.71 KIP	3.17 KIP	0.32 KIP	7.10 KIP	4.65 KIP	3.75 KIP	37 IN	(3) #5
		10 PSF			0.71 KIP	3.38 KIP	0.32 KIP	7.10 KIP	4.86 KIP	3.75 KIP	37 IN	(3) #5
1		20 PSF	12.37 PSF	7.50 FT	0.71 KIP	3.59 KIP	0.33 KIP	7.10 KIP	5.08 KIP	3.75 KIP	37 IN	(3) #5
	120 MPH	30 PSF	18.56 PSF	7.25 FT	0.69 KIP	3.67 KIP	0.32 KIP	6.85 KIP	5.10 KIP	3.61 KIP	35 IN	(2) #5
		40 PSF	24.74 PSF	5.75 FT	0.54 KIP	3.36 KIP	0.64 KIP	5.30 KIP	4.10 KIP	2.78 KIP	28 IN	(2) #5
		50 PSF	30.39 PSF	5.25 FT	0.49 KIP	3.51 KIP	0.68 KIP	4.78 KIP	3.97 KIP	2.50 KIP	26 IN	(2) #5
		60 PSF	37.11 PSF	4.75 FT	0.48 KIP	3.56 KIP	0.70 KIP	4.25 KIP	3.94 KIP	2.21 KIP	24 IN	(2) #5
		0 PSF	0.00 PSF	6.25 FT	0.71 KIP	3.03 KIP	0.28 KIP	6.85 KIP	4.41 KIP	3.60 KIP	36 IN	(3) #5
		10 PSF	6.19 PSF	6.25 FT	0.71 KIP	3.20 KIP	0.28 KIP	6.85 KIP	4.59 KIP	3.60 KIP	36 IN	(3) #5
		20 PSF	12.37 PSF	6.25 FT	0.71 KIP	3.37 KIP	0.28 KIP	6.85 KIP	4.76 KIP	3.60 KIP	36 IN	(3) #5
	130 MPH	30 PSF	18.56 PSF	6.25 FT	0.71 KIP	3.54 KIP	0.28 KIP	6.85 KIP	4.94 KIP	3.60 KIP	36 IN	(3) #5
		40 PSF	24.74 PSF	5.75 FT	0.65 KIP	3.54 KIP	0.64 KIP	6.24 KIP	4.65 KIP	3.27 KIP	33 IN	(2) #5
		50 PSF	30.39 PSF	5.25 FT	0.59 KIP	3.67 KIP	0.68 KIP	5.63 KIP	4.33 KIP	2.94 KIP	31 IN	(2) #5
		60 PSF	37.11 PSF	4.75 FT	0.53 KIP	3.71 KIP	0.70 KIP	5.00 KIP	4.16 KIP	2.60 KIP	28 IN	(2) #5

					ASCE 7	7-10 W/ SEISM	IC DESIG	N				
	MAX	GROUND	ROOF	MAX		ONT CONNECTI			EAR CONNECTIO	N	BALLAST	# OF
TILT	WIND	SNOW	SNOW	SPAN	TENSION	COMPRESSION	SHEAR		COMPRESSION		WIDTH	REBAR
		0 PSF	0.00 PSF	11.75 FT	0.48 KIP	2.88 KIP	-	5.85 KIP	4.17 KIP	3.15 KIP	29 IN	(2) #5
		10 PSF	6.19 PSF	11.50 FT		3.14 KIP		5.72 KIP	4.42 KIP	3.08 KIP	28 IN	(2) #5
		20 PSF	12.37 PSF			3.64 KIP		5.59 KIP	4.65 KIP	3.01 KIP	28 IN	(2) #5
	110 MPH			9.75 FT	0.39 KIP	4.02 KIP	+	4.82 KIP	4.68 KIP	2.60 KIP	24 IN	(2) #5
		40 PSF		5.75 FT	0.34 KIP	2.85 KIP		2.72 KIP	3.15 KIP	1.46 KIP	23 IN	(1) #5
		50 PSF	30.39 PSF	5.25 FT	0.41 KIP	3.05 KIP	0.68 KIP	2.45 KIP	3.29 KIP	1.31 KIP	24 IN	(2) #5
		60 PSF	37.11 PSF	4.75 FT	0.48 KIP	3.15 KIP	0.70 KIP	2.18 KIP	3.33 KIP	1.16 KIP	24 IN	(2) #5
		0 PSF	0.00 PSF	11.50 FT	0.54 KIP	3.04 KIP	0.46 KIP	6.28 KIP	4.41 KIP	3.37 KIP	31 IN	(2) #5
		10 PSF	6.19 PSF	11.50 FT	0.54 KIP	3.36 KIP	0.46 KIP	6.28 KIP	4.75 KIP	3.37 KIP	31 IN	(2) #5
		20 PSF	12.37 PSF	10.75 FT	0.50 KIP	3.58 KIP	0.44 KIP	5.85 KIP	4.74 KIP	3.14 KIP	29 IN	(2) #5
	115 MPH	30 PSF	18.56 PSF	9.75 FT	0.45 KIP	4.11 KIP	0.41 KIP	5.29 KIP	4.82 KIP	2.84 KIP	26 IN	(2) #5
		40 PSF	24.74 PSF	5.75 FT	0.34 KIP	2.90 KIP	0.64 KIP	2.99 KIP	3.22 KIP	1.59 KIP	23 IN	(1) #5
		50 PSF	30.39 PSF	5.25 FT	0.41 KIP	3.10 KIP	0.68 KIP	2.69 KIP	3.36 KIP	1.43 KIP	24 IN	(2) #5
		60 PSF	37.11 PSF	4.75 FT	0.48 KIP	3.20 KIP	0.70 KIP	2.39 KIP	3.39 KIP	1.27 KIP	24 IN	(2) #5
		0 PSF	0.00 PSF	10.00 FT	0.65 KIP	3.25 KIP	0.41 KIP	7.00 KIP	4.75 KIP	3.73 KIP	35 IN	(2) #5
	130 MPH	10 PSF	6.19 PSF	9.50 FT	0.62 KIP	3.35 KIP	0.39 KIP	6.64 KIP	4.78 KIP	3.54 KIP	33 IN	(2) #5
		20 PSF	12.37 PSF	9.25 FT	0.60 KIP	3.51 KIP	0.39 KIP	6.45 KIP	4.91 KIP	3.44 KIP	32 IN	(2) #5
		30 PSF	18.56 PSF	8.75 FT	0.56 KIP	3.95 KIP	0.37 KIP	6.09 KIP	4.89 KIP	3.24 KIP	30 IN	(2) #5
		40 PSF	24.74 PSF	5.75 FT	0.36 KIP	3.07 KIP	0.64 KIP	3.85 KIP	3.48 KIP	2.04 KIP	23 IN	(1) #5
		50 PSF	30.39 PSF	5.25 FT	0.41 KIP	3.25 KIP	0.68 KIP	3.47 KIP	3.59 KIP	1.83 KIP	24 IN	(2) #5
25°	<b> </b>	60 PSF	37.11 PSF	4.75 FT	0.48 KIP	3.33 KIP	0.70 KIP	3.09 KIP	3.59 KIP	1.62 KIP	24 IN	(2) #5
25		0 PSF	0.00 PSF	8.75 FT	0.69 KIP	3.22 KIP	0.37 KIP	7.09 KIP	4.72 KIP	3.76 KIP	35 IN	(2) #5
		10 PSF	6.19 PSF	8.50 FT	0.66 KIP	3.37 KIP	0.36 KIP	6.88 KIP	4.82 KIP	3.65 KIP	34 IN	(2) #5
		20 PSF	12.37 PSF	8.25 FT	0.64 KIP	3.49 KIP	0.35 KIP	6.66 KIP	4.91 KIP	3.53 KIP	33 IN	(2) #5
	140 MPH	30 PSF	18.56 PSF	8.00 FT	0.62 KIP	3.79 KIP	0.34 KIP	6.45 KIP	4.98 KIP	3.42 KIP	32 IN	(2) #5
		40 PSF	24.74 PSF	5.75 FT	0.44 KIP	3.20 KIP	0.64 KIP	4.49 KIP	3.67 KIP	2.37 KIP	23 IN	(1) #5
		50 PSF	30.39 PSF		0.41 KIP	3.36 KIP		4.04 KIP	3.76 KIP	2.13 KIP	24 IN	(2) #5
		60 PSF	37.11 PSF	4.75 FT	0.48 KIP	3.43 KIP	0.70 KIP	3.60 KIP	3.74 KIP	1.88 KIP	24 IN	(2) #5
		0 PSF	0.00 PSF	7.50 FT	0.69 KIP	3.11 KIP	0.32 KIP	6.93 KIP	4.55 KIP	3.66 KIP	34 IN	(2) #5
		10 PSF	6.19 PSF	7.50 FT	0.69 KIP	3.31 KIP	0.32 KIP	6.93 KIP	4.76 KIP	3.66 KIP	34 IN	(2) #5
		20 PSF	12.37 PSF	7.50 FT	0.69 KIP	3.52 KIP	0.33 KIP	6.93 KIP	4.98 KIP	3.66 KIP	34 IN	(2) #5
	150 MPH	30 PSF	18.56 PSF	7.25 FT	0.67 KIP	3.60 KIP	0.32 KIP	6.68 KIP	5.00 KIP	3.53 KIP	33 IN	(2) #5
		40 PSF	24.74 PSF	5.75 FT	0.52 KIP	3.33 KIP	0.64 KIP	5.17 KIP	4.02 KIP	2.72 KIP	27 IN	(2) #5
		50 PSF	30.39 PSF	5.25 FT	0.47 KIP	3.48 KIP	0.68 KIP	4.66 KIP	3.94 KIP	2.44 KIP	24 IN	(2) #5
		60 PSF	37.11 PSF	4.75 FT	0.48 KIP	3.54 KIP	0.70 KIP	4.14 KIP	3.91 KIP	2.16 KIP	24 IN	(2) #5
		0 PSF	0.00 PSF	6.75 FT	0.72 KIP	3.12 KIP	0.30 KIP	7.06 KIP	4.57 KIP	3.71 KIP	35 IN	(2) #5
		10 PSF	6.19 PSF	6.75 FT	0.72 KIP	3.31 KIP	0.30 KIP	7.06 KIP	4.76 KIP	3.71 KIP	35 IN	(2) #5
		20 PSF	12.37 PSF	6.75 FT	0.72 KIP	3.50 KIP	0.30 KIP	7.06 KIP	4.95 KIP	3.71 KIP	35 IN	(2) #5
	160 MPH	30 PSF	18.56 PSF	6.75 FT	0.72 KIP	3.68 KIP	0.30 KIP	7.06 KIP	5.14 KIP	3.71 KIP	35 IN	(2) #5
		40 PSF	24.74 PSF	5.75 FT	0.61 KIP	3.47 KIP	0.64 KIP	5.90 KIP	4.45 KIP	3.09 KIP	30 IN	(2) #5
		50 PSF	30.39 PSF	5.25 FT	0.55 KIP	3.61 KIP	0.68 KIP	5.32 KIP	4.15 KIP	2.78 KIP	28 IN	(2) #5
		60 PSF	37.11 PSF	4.75 FT	0.50 KIP	3.66 KIP	0.70 KIP	4.73 KIP	4.08 KIP	2.46 KIP	25 IN	(2) #5

$\dashv$	NO.	DRAWN:	CHECKED:	REVIEWED:	APPROVED:	REVISIONS:
	0	BushBr 9/27/2014				New Drawing
	1	BushBr 3/12/2015				Notes, embedments New Tables, and Sheets
	2	BushBr 11/5/2015				Change Ballast Size, Max Dead Load, Add 2015
	3	BushBr 11/18/2015				Change Ballast Size
.,	4	VasqHu 08/01/2016				Updated Load Tables
K	5					
	6					
	7					
	8					

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



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

1001 COMMERCE CENTER DR. | SHELBY, NC 28150 TEL: (704) 595 - 4200 | Fax: ( 704) 595 - 4210 EMAIL: MAIL@SCHLETTER.US WWW.SCHLETTER.US

Standard PvMax, 72 Cell, 20° - 30° Racking Structure

Snow, Wind, Alignment, Tables, 25° ISSUED BY: SCHLETTER INC. PROPRIETARY AND CONFIDENTIAL

Project Site: Schletter Inc

1001 Commerce Center Dr Shelby, NC 28150

Drawing Number:

JOB NUMBER: V SHEET: 4b of 4

SCALE: SEE DRAWING VIEWS

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

ASCE 7-05												
T1) T	TILT MAX GROUND ROOF MAX					RONT CONNECTION	NC	R	EAR CONNECTIO	BALLAST	# OF	
IILI	WIND	SNOW	SNOW	SPAN	TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR	WIDTH	REBAR
		0 PSF	0.00 PSF	12.00 FT	0.09 KIP	2.64 KIP	0.01 KIP	6.17 KIP	4.42 KIP	3.87 KIP	31 IN	(2) #5
		10 PSF	5.50 PSF	12.00 FT	0.09 KIP	2.92 KIP	0.02 KIP	6.17 KIP	4.71 KIP	3.87 KIP	31 IN	(2) #5
		20 PSF	11.00 PSF	11.50 FT	0.09 KIP	3.28 KIP	0.02 KIP	5.91 KIP	4.79 KIP	3.70 KIP	30 IN	(2) #5
	85 MPH	30 PSF	16.49 PSF	10.00 FT	0.07 KIP	3.62 KIP	0.02 KIP	5.11 KIP	4.39 KIP	3.20 KIP	26 IN	(2) #5
		40 PSF	21.99 PSF	9.25 FT	0.07 KIP	4.06 KIP	0.03 KIP	4.71 KIP	4.73 KIP	2.95 KIP	24 IN	(2) #5
		50 PSF	27.49 PSF	8.50 FT	0.06 KIP	4.38 KIP	0.03 KIP	4.31 KIP	4.97 KIP	2.70 KIP	22 IN	(1) #5
		60 PSF	32.99 PSF	7.75 FT	0.05 KIP	4.58 KIP	0.03 KIP	3.90 KIP	5.08 KIP	2.44 KIP	20 IN	(1) #5
		0 PSF	0.00 PSF	11.25 FT	0.13 KIP	2.71 KIP	0.01 KIP	6.50 KIP	4.58 KIP	4.06 KIP	33 IN	(2) #5
		10 PSF	5.50 PSF	11.25 FT	0.13 KIP	2.98 KIP	0.01 KIP	6.50 KIP	4.85 KIP	4.06 KIP	33 IN	(2) #5
		20 PSF	11.00 PSF	10.75 FT	0.12 KIP	3.18 KIP	0.02 KIP	6.20 KIP	4.89 KIP	3.88 KIP	31 IN	(2) #5
	90 MPH	30 PSF	16.49 PSF	10.00 FT	0.11 KIP	3.73 KIP	0.02 KIP	5.75 KIP	4.78 KIP	3.60 KIP	29 IN	(2) #5
		40 PSF	21.99 PSF	9.00 FT	0.10 KIP	4.04 KIP	0.02 KIP	5.15 KIP	4.76 KIP	3.22 KIP	26 IN	(2) #5
		50 PSF	27.49 PSF	8.25 FT	0.09 KIP	4.34 KIP	0.03 KIP	4.70 KIP	4.97 KIP	2.93 KIP	24 IN	(2) #5
		60 PSF	32.99 PSF	7.50 FT	0.08 KIP	4.51 KIP	0.02 KIP	4.24 KIP	5.05 KIP	2.65 KIP	22 IN	(1) #5
		0 PSF	0.00 PSF	9.75 FT	0.18 KIP	2.79 KIP	0.00 KIP	6.97 KIP	4.77 KIP	4.33 KIP	35 IN	(2) #5
	100 MPH	10 PSF	5.50 PSF	9.50 FT	0.18 KIP	2.95 KIP	0.01 KIP	6.78 KIP	4.87 KIP	4.21 KIP	34 IN	(2) #5
		20 PSF	11.00 PSF	9.25 FT	0.17 KIP	3.09 KIP	0.01 KIP	6.59 KIP	4.96 KIP	4.10 KIP	33 IN	(2) #5
		30 PSF	16.49 PSF	8.75 FT	0.16 KIP	3.46 KIP	0.02 KIP	6.22 KIP	4.89 KIP	3.86 KIP	32 IN	(2) #5
		40 PSF	21.99 PSF	8.50 FT	0.16 KIP	4.01 KIP	-	6.03 KIP	4.94 KIP	3.74 KIP	31 IN	(2) #5
		50 PSF	27.49 PSF	7.75 FT	0.14 KIP	4.25 KIP		5.47 KIP	4.97 KIP	3.39 KIP	28 IN	(2) #5
30°		60 PSF	32.99 PSF	7.25 FT	0.13 KIP	4.53 KIP		5.09 KIP	5.16 KIP	3.15 KIP	26 IN	(2) #5
00	110 MPH	0 PSF	0.00 PSF	8.00 FT	0.21 KIP	2.69 KIP		6.88 KIP	4.61 KIP	4.25 KIP	35 IN	(2) #5
		10 PSF	5.50 PSF	8.00 FT		2.88 KIP	-	6.88 KIP	4.80 KIP	4.25 KIP	35 IN	(2) #5
		20 PSF	11.00 PSF			3.07 KIP		6.88 KIP	4.99 KIP	4.25 KIP	35 IN	(2) #5
		30 PSF	16.49 PSF		0.21 KIP	3.26 KIP		6.65 KIP	5.00 KIP	4.11 KIP	34 IN	(2) #5
			21.99 PSF		0.20 KIP	3.73 KIP		6.42 KIP	5.01 KIP	3.96 KIP	33 IN	(2) #5
			27.49 PSF			4.30 KIP		6.42 KIP	5.18 KIP	3.96 KIP	33 IN	(2) #5
			32.99 PSF			<b>†</b>	<del>)</del>	5.72 KIP	5.08 KIP	3.53 KIP	1	(2) #5
		0 PSF	0.00 PSF			2.63 KIP		6.84 KIP	4.51 KIP	4.20 KIP	36 IN	(3) #5
			5.50 PSF			2.79 KIP		6.84 KIP	4.66 KIP	4.20 KIP	36 IN	(3) #5
	400 1401		11.00 PSF			2.95 KIP	-	6.84 KIP	4.82 KIP	4.20 KIP	36 IN	(3) #5
	120 MPH		16.49 PSF		<del>                                     </del>	3.11 KIP		6.84 KIP	4.98 KIP	4.20 KIP	36 IN	(3) #5
			21.99 PSF			3.53 KIP	_	6.84 KIP	5.13 KIP	4.20 KIP	36 IN	(3) #5
			27.49 PSF		<b>.</b>	3.90 KIP	-	6.56 KIP	5.07 KIP	4.03 KIP	35 IN	(2) #5
			32.99 PSF		<b>-</b>	4.39 KIP		6.56 KIP	5.22 KIP	4.03 KIP	35 IN	(2) #5
		0 PSF	0.00 PSF		<del>                                     </del>	2.68 KIP		7.06 KIP	4.59 KIP	4.32 KIP	38 IN	(3) #5
			5.50 PSF		<b>.</b>	2.82 KIP	•	7.06 KIP	4.73 KIP	4.32 KIP	38 IN	(3) #5
	490 3401		11.00 PSF			2.97 KIP		7.06 KIP	4.86 KIP	4.32 KIP	38 IN	(3) #5
	130 MPH		16.49 PSF			3.11 KIP		7.06 KIP	5.00 KIP	4.32 KIP	38 IN	(3) #5
			21.99 PSF		<del> </del>	3.31 KIP		7.06 KIP	5.14 KIP	4.32 KIP	38 IN	(3) #5
			27.49 PSF			3.77 KIP		7.06 KIP	5.28 KIP	4.32 KIP	38 IN	(3) #5
		60 PSF	32.99 PSF	5.75 F I	U.27 KIP	4.04 KIP	0.01 KIP	6.73 KIP	5.16 KIP	4.11 KIP	36 IN	(3) #5

ASCE 7-10												
MAX IGROUND ROOF MAX FRONT CONNECTION REAR CONNECTION BALLAST										BALLAST	# OF	
TILT	WIND	SNOW	SNOW	SPAN	TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR	WIDTH	REBAR
		0 PSF	0.00 PSF	11. <b>75</b> FT	0.11 KIP	2.68 KIP	0.01 KIP	6.33 KIP	4.51 KIP	3.97 KIP	31 IN	(2) #5
		10 PSF	5.50 PSF	11.75 FT	0.11 KIP	2.96 KIP		6.33 KIP	4.79 KIP	3.97 KIP	31 IN	(2) #5
		20 PSF	11.00 PSF	11.25 FT	0.10 KIP	3.26 KIP	0.02 KIP	6.06 KIP	4.85 KIP	3.79 KIP	29 IN	(2) #5
	110 MPH	30 PSF	16.49 PSF	10.00 FT	0.09 KIP	3.66 KIP	0.02 KIP	5.36 KIP	4.54 KIP	3.35 KIP	26 IN	(2) #5
		40 PSF	21.99 PSF	9.00 FT	0.08 KIP	3.99 KIP	0.02 KIP	4.80 KIP	4.66 KIP	3.00 KIP	23 IN	(1) #5
		50 PSF	27.49 PSF	8.50 FT	0.07 KIP	4.41 KIP	0.03 KIP	4.52 KIP	5.03 KIP	2.83 KIP	22 IN	(1) #5
		60 PSF	32.99 PSF	7.75 FT	0.06 KIP	4.62 KIP	0.03 KIP	4.09 KIP	5.14 KIP	2.56 KIP	20 IN	(1) #5
		0 PSF	0.00 PSF	11.25 FT	0.13 KIP	2.75 KIP	0.01 KIP	6.64 KIP	4.66 KIP	4.15 KIP	32 IN	(2) #5
		10 PSF	5.50 PSF	11.00 FT	0.13 KIP	2.96 KIP	0.01 KIP	6.49 KIP	4.82 KIP	4.05 KIP	31 IN	(2) #5
		20 PSF	11.00 PSF	10.50 FT	0.12 KIP	3.13 KIP	0.02 KIP	6.18 KIP	4.85 KIP	3.86 KIP	30 IN	(2) #5
	115 MPH	30 PSF	16.49 PSF	10.00 FT	0.12 KIP	3.75 KIP		5.88 KIP	4.85 KIP	3.67 KIP	29 IN	(2) #5
		40 PSF	21.99 PSF	9.00 FT	0.10 KIP	4.06 KIP	<b>,</b>	5.26 KIP	4.80 KIP	3.28 KIP	26 IN	(2) #5
			27.49 PSF	8.25 FT	0.09 KIP	4.35 KIP		4.80 KIP	5.00 KIP	2.99 KIP	24 IN	(2) #5
			32.99 PSF	7.50 FT	0.08 KIP	4.53 KIP		4.33 KIP	5.07 KIP	2.70 KIP	22 IN	(1) #5
		0 PSF	0.00 PSF	9.25 FT	0.19 KIP	2.77 KIP	<b>,</b>	6.98 KIP	4.75 KIP	4.33 KIP	34 IN	(2) #5
		10 PSF	5.50 PSF	9.25 FT	0.19 KIP	3.00 KIP		6.98 KIP	4.97 KIP	4.33 KIP	34 IN	(2) #5
		20 PSF	11.00 PSF	8.75 FT	0.18 KIP	3.04 KIP	<b>-</b>	6.58 KIP	4.89 KIP	4.08 KIP	32 IN	(2) #5
	130 MPH	30 PSF	16.49 PSF	8.50 FT	0.17 KIP	3.42 KIP		6.38 KIP	4.95 KIP	3.96 KIP	31 IN	(2) #5
			21.99 PSF		0.17 KIP	3.95 KIP		6.18 KIP	4.99 KIP	3.83 KIP	30 IN	(2) #5
			27.49 PSF	7.75 FT	0.16 KIP	4.30 KIP		5.78 KIP	5.06 KIP	3.58 KIP	29 IN	(2) #5
30°			32.99 PSF	7.00 FT	0.14 KIP	4.41 KIP		5.18 KIP	5.05 KIP	3.20 KIP	26 IN	(2) #5
		0 PSF	0.00 PSF	8.00 FT	0.22 KIP	2.72 KIP		6.97 KIP	4.66 KIP	4.30 KIP	34 IN	(2) #5
		10 PSF	5.50 PSF	8.00 FT	0.22 KIP	2.91 KIP	<b>,</b>	6.97 KIP	4.85 KIP	4.30 KIP	34 IN	(2) #5
	4 40 34511		11.00 PSF	8.00 FT	0.22 KIP	3.10 KIP		6.97 KIP	5.04 KIP	4.30 KIP	34 IN	(2) #5
	140 MPH	30 PSF	<u> </u>	7.75 FT	0.21 KIP	3.27 KIP		6.73 KIP	5.06 KIP	4.16 KIP	33 IN	(2) #5
			21.99 PSF	7.50 FT	0.20 KIP	3.74 KIP	·	6.50 KIP	5.06 KIP	4.01 KIP	32 IN	(2) #5
			27.49 PSF	7.25 FT	0.20 KIP	4.17 KIP		6.27 KIP	5.04 KIP	3.87 KIP	31 IN	(2) #5
			32.99 PSF					5.80 KIP		3.57 KIP		(2) #5
		0 PSF	0.00 PSF		0.24 KIP	2.67 KIP	<b>-</b>	6.95 KIP		4.27 KIP	35 IN	(2) #5
		10 PSF	5.50 PSF		0.24 KIP	2.84 KIP		6.95 KIP	4.75 KIP	4.27 KIP	35 IN	(2) #5
	150 MPH		11.00 PSF		0.24 KIP	3.01 KIP		6.95 KIP	4.91 KIP	4.27 KIP	35 IN	(2) #5
	130 1012 11		16.49 PSF	+	0.24 KIP	3.17 KIP		6.95 KIP		4.27 KIP	35 IN	(2) #5
			21.99 PSF		0.24 KIP	3.64 KIP		6.95 KIP	5.24 KIP 5.19 KIP	4.27 KIP	35 IN	(2) #5
			27.49 PSF	<del></del>	0.23 KIP	4.02 KIP	·	6.68 KIP		4.10 KIP	34 IN	(2) #5
		0 PSF	32.99 PSF 0.00 PSF	6.50 FT 6.25 FT	0.23 KIP	4.36 KIP 2.66 KIP		6.40 KIP 6.99 KIP	5.14 KIP	3.93 KIP 4.28 KIP	32 IN 36 IN	(2) #5
		10 PSF		6.25 FT	0.27 KIP 0.27 KIP	2.80 KIP 2.81 KIP		6.99 KIP	4.56 KIP 4.71 KIP	4.28 KIP	36 IN	(3) #5
			11.00 PSF		0.27 KIP	2.96 KIP		6.99 KIP	4.71 KIP 4.85 KIP	4.28 KIP	36 IN	(3) #5
	160 MPH		16.49 PSF	6.25 FT	0.27 KIP	3.11 KIP		6.99 KIP	4.65 KIP 5.00 KIP	4.28 KIP	36 IN	(3) #5
	100 1015		21.99 PSF		0.27 KIP	3.11 KIP 3.39 KIP	0.01 KIP		5.00 KIP 5.14 KIP	4.28 KIP	36 IN	(3) #5
			27.49 PSF		0.27 KIP	3.86 KIP		6.99 KIP	5.14 KIP 5.28 KIP	4.28 KIP	36 IN	(3) #5 (3) #5
			32.99 PSF	<del>†</del>	0.27 KIP	4.16 KIP		6.68 KIP		4.20 KIP	34 IN	(2) #5
		00 F 3F	34.33 F 3F	0.00 F t	0.20 KIC	ויין אין ויט ויגוויי	ט.טו אור	0.00 KIF	J. IO KIF	אוט פט.די	און דינ	(Z) #U

ASCE 7-05 W/ SEISMIC DESIGN												
TILT	MAX	GROUND	ROOF	MAX	FF	RONT CONNECTION			EAR CONNECTION		BALLAST	# OF
1111	WIND	SNOW	SNOW	SPAN		COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR	WIDTH	REBAR
		0 PSF	0.00 PSF	11.50 FT	0.09 KIP	2.53 KIP		5.91 KIP	4.23 KIP	3.70 KIP	30 IN	(2) #5
		10 PSF	5.50 PSF	11.50 FT	0.09 KIP	2.80 KIP	0.49 KIP	5.91 KIP	4.51 KIP	3.70 KIP	30 IN	(2) #5
		20 PSF	11.00 PSF	11.50 FT	0.09 KIP	3.28 KIP	0.49 KIP	5.91 KIP	4.79 KIP	3.70 KIP	30 IN	(2) #5
	85 MPH	30 PSF	16.49 PSF	10.00 FT	0.07 KIP	3.62 KIP		5.11 KIP	4.39 KIP	3.20 KIP	26 IN	(2) #5
		40 PSF	21.99 PSF	5.75 FT	0.42 KIP	2.51 KIP	0.67 KIP	2.81 KIP	2.81 KIP	1.75 KIP	23 IN	(1) #5
		50 PSF	27.49 PSF	5.25 FT	0.50 KIP	2.69 KIP		2.53 KIP	2.90 KIP	1.58 KIP	24 IN	(2) #5
		60 PSF	32.99 PSF	4.75 FT	0.59 KIP	2.78 KIP	0.73 KIP	2.24 KIP	2.91 KIP	1.40 KIP	24 IN	(2) #5
		0 PSF	0.00 PSF	11.25 FT		2.71 KIP	0.48 KIP	6.50 KIP	4.58 KIP	4.06 KIP	33 IN	(2) #5
		10 PSF	5.50 PSF	11.25 FT	0.13 KIP	2.98 KIP		6.50 KIP	4.85 KIP	4.06 KIP	33 IN	(2) #5
		20 PSF	11.00 PSF	10.75 FT	0.12 KIP	3.18 KIP	-	6.20 KIP	4.89 KIP	3.88 KIP	31 IN	(2) #5
	90 MPH	30 PSF	16.49 PSF		0.11 KIP	3.73 KIP	0.44 KIP	5.75 KIP	4.78 KIP	3.60 KIP	29 IN	(2) #5
		40 PSF	21.99 PSF		0.42 KIP	2.57 KIP		3.16 KIP	2.91 KIP	1.97 KIP	23 IN	(1) #5
		50 PSF	27.49 PSF	5.25 FT	0.50 KIP	2.74 KIP	0.71 KIP	2.85 KIP	3.00 KIP	1.77 KIP	24 IN	(2) #5
		60 PSF	32.99 PSF	4.75 FT	0.59 KIP	2.83 KIP	0.73 KIP	2.53 KIP	2.99 KIP	1.57 KIP	24 IN	(2) #5
		0 PSF	0.00 PSF	9.75 FT	0.18 KIP	2.79 KIP	0.42 KIP	6.97 KIP	4.77 KIP	4.33 KIP	35 IN	(2) #5
		10 PSF	5.50 PSF	9.50 FT	0.18 KIP	2.95 KIP	0.41 KIP	6.78 KIP	4.87 KIP	4.21 KIP	34 IN	(2) #5
		20 PSF	11.00 PSF	9.25 FT	0.17 KIP	3.09 KIP	0.41 KIP	6.59 KIP	4.96 KIP	4.10 KIP	33 IN	(2) #5
	100 MPH	30 PSF	16.49 PSF	8.75 FT	0.16 KIP	3.46 KIP	0.39 KIP	6.22 KIP	4.89 KIP	3.86 KIP	32 IN	(2) #5
		40 PSF	21.99 PSF	5.75 FT	0.42 KIP	2.70 KIP	0.67 KIP	3.93 KIP	3.21 KIP	2.43 KIP	23 IN	(1) #5
		50 PSF	27.49 PSF	5.25 FT	0.50 KIP	2.86 KIP	0.71 KIP	3.54 KIP	3.20 KIP	2.18 KIP	24 IN	(2) #5
30°		60 PSF	32.99 PSF	4.75 FT	0.59 KIP	2.93 KIP	0.73 KIP	3.15 KIP	3.18 KIP	1.93 KIP	24 IN	(2) #5
30		0 PSF	0.00 PSF	8.00 FT	0.21 KIP	2.69 KIP	0.36 KIP	6.88 KIP	4.61 KIP	4.25 KIP	35 IN	(2) #5
		10 PSF	5.50 PSF	8.00 FT	0.21 KIP	2.88 KIP		6.88 KIP	4.80 KIP	4.25 KIP	35 IN	(2) #5
		20 PSF		8.00 FT	0.21 KIP	3.07 KIP	0.36 KIP	6.88 KIP	4.99 KIP	4.25 KIP	35 IN	(2) #5
	110 MPH	30 PSF	16.49 PSF	7.75 FT	0.21 KIP	3.26 KIP	0.35 KIP	6.65 KIP	5.00 KIP	4.11 KIP	34 IN	(2) #5
		40 PSF	21.99 PSF	5.75 FT	0.42 KIP	2.84 KIP	0.67 KIP	4.79 KIP	3.73 KIP	2.94 KIP	26 IN	(2) #5
	_	50 PSF	27.49 PSF	5.25 FT	0.50 KIP	2.99 KIP	0.71 KIP	4.31 KIP	3.47 KIP	2.64 KIP	24 IN	(2) #5
			32.99 PSF		0.59 KIP	3.05 KIP		3.83 KIP	3.38 KIP	2.34 KIP	24 IN	(2) #5
		0 PSF	0.00 PSF	6.75 FT	0.24 KIP	2.63 KIP	0.31 KIP	6.84 KIP	4.51 KIP	4.20 KIP	36 IN	(3) #5
		10 PSF	5.50 PSF	6.75 FT	0.24 KIP	2.79 KIP	0.31 KIP	6.84 KIP	4.66 KIP	4.20 KIP	36 IN	(3) #5
		20 PSF	11.00 PSF	6.75 FT	0.24 KIP	2.95 KIP	0.31 KIP	6.84 KIP	4.82 KIP	4.20 KIP	36 IN	(3) #5
	120 MPH	30 PSF	16.49 PSF	6.75 FT	0.24 KIP	3.11 KIP	0.31 KIP	6.84 KIP	4.98 KIP	4.20 KIP	36 IN	(3) #5
		40 PSF	21.99 PSF	5.75 FT	0.42 KIP	3.00 KIP	0.67 KIP	5.72 KIP	4.29 KIP	3.50 KIP	31 IN	(2) #5
		50 PSF	27.49 PSF	5.25 FT	0.50 KIP	3.13 KIP	0.71 KIP	5.15 KIP	3.98 KIP	3.15 KIP	28 IN	(2) #5
		60 PSF	32.99 PSF	4.75 FT	0.59 KIP	3.17 KIP	0.73 KIP	4.58 KIP	3.63 KIP	2.79 KIP	26 IN	(2) #5
		0 PSF	0.00 PSF	6.00 FT	0.28 KIP	2.68 KIP	0.28 KIP	7.06 KIP	4.59 KIP	4.32 KIP	38 IN	(3) #5
	[	10 PSF	5.50 PSF	6.00 FT	0.28 KIP	2.82 KIP	0.28 KIP	7.06 KIP	4.73 KIP	4.32 KIP	38 IN	(3) #5
		20 PSF	11.00 PSF	6.00 FT	0.28 KIP	2.97 KIP	0.28 KIP	7.06 KIP	4.86 KIP	4.32 KIP	38 IN	(3) #5
	130 MPH	30 PSF	16.49 PSF	6.00 FT	0.28 KIP	3.11 KIP	0.28 KIP	7.06 KIP	5.00 KIP	4.32 KIP	38 IN	(3) #5
l		40 PSF	21.99 PSF	5.75 FT	0.42 KIP	3.17 KIP	0.67 KIP	6.73 KIP	4.90 KIP	4.11 KIP	36 IN	(3) #5
	[	50 PSF	27.49 PSF	5.25 FT	0.50 KIP	3.28 KIP	0.71 KIP	6.07 KIP	4.52 KIP	3.69 KIP	33 IN	(2) #5
	<u> </u>	60 PSF	32.99 PSF	4.75 FT	0.59 KIP	3.31 KIP	0.73 KIP	5.39 KIP	4.12 KIP	3.27 KIP	30 IN	(2) #5

					ASCE	7-10 W/ SEISMI	C DESIG	N				
TILT MAX GROUND ROOF MAX				FRONT CONNECTION			R	EAR CONNECTION	BALLAST	# OF		
IILI	WIND	SNOW	SNOW	SPAN	TENSION	COMPRESSION	SHEAR	TENSION	COMPRESSION	SHEAR	WIDTH	REBAR
		0 PSF	0.00 PSF	11.50 FT	0.10 KIP	2.62 KIP	0.49 KIP	6.19 KIP	4.41 KIP	3.88 KIP	30 IN	(2) #5
		10 PSF	5.50 PSF	11.50 FT	0.10 KIP	2.90 KIP	0.49 KIP	6.19 KIP	4.69 KIP	3.88 KIP	30 IN	(2) #
		20 PSF	11.00 PSF	11.25 FT	0.10 KIP	3.26 KIP	0.48 KIP	6.06 KIP	4.85 KIP	3.79 KIP	29 IN	(2) #
	110 MPH	30 PSF	16.49 PSF	10.00 FT	0.09 KIP	3.66 KIP	0.44 KIP	5.36 KIP	4.54 KIP	3.35 KIP	26 IN	(2) #
		40 PSF	21.99 PSF	5.75 FT	0.42 KIP	2.54 KIP	0.67 KIP	2.94 KIP	2.85 KIP	1.84 KIP	23 IN	(1) #
		50 PSF	27.49 PSF	5.25 FT	0.50 KIP	2.71 KIP	0.71 KIP	2.65 KIP	2.94 KIP	1.65 KIP	24 IN	(2) #
		60 PSF	32.99 PSF	4.75 FT	0.59 KIP	2.80 KIP	0.73 KIP	2.35 KIP	2.94 KIP	1.46 KIP	24 IN	(2) #
		0 PSF	0.00 PSF	11.25 FT	0.13 KIP	2.75 KIP	0.48 KIP	6.64 KIP	4.66 KIP	4.15 KIP	32 IN	(2) #
		10 PSF	5.50 PSF	11.00 FT	0.13 KIP	2.96 KIP	0.47 KIP	6.49 KIP	4.82 KIP	4.05 KIP	31 IN	(2) #
		20 PSF	11.00 PSF	10.50 FT	0.12 KIP	3.13 KIP		6.18 KIP	4.85 KIP	3.86 KIP	30 IN	(2) #
	115 MPH				0.12 KIP	3.75 KIP		5.88 KIP	4.85 KIP	3.67 KIP	29 IN	(2) #
		40 PSF	21.99 PSF	5.75 FT	0.42 KIP	2.58 KIP	0.67 KIP	3.23 KIP	2.93 KIP	2.01 KIP	23 IN	(1)#
		50 PSF	27.49 PSF	5.25 FT	0.50 KIP	2.75 KIP	0.71 KIP	2.91 KIP	3.01 KIP	1.80 KIP	24 IN	(2) #
		60 PSF	32.99 PSF	4.75 FT	0.59 KIP	2.84 KIP	0.73 KIP	2.58 KIP	3.01 KIP	1.60 KIP	24 IN	(2) #
	130 MPH	0 PSF	0.00 PSF	9.25 FT	0.19 KIP	2.77 KIP		6.98 KIP	4.75 KIP	4.33 KIP	34 IN	(2) #
		10 PSF	5.50 PSF	9.25 FT	0.19 KIP	3.00 KIP	0.40 KIP	6.98 KIP	4.97 KIP	4.33 KIP	34 IN	(2) #
		20 PSF	11.00 PSF	8.75 FT	0.18 KIP	3.04 KIP	•	6.58 KIP	4.89 KIP	4.08 KIP	32 IN	(2) #
		30 PSF	16.49 PSF	8.50 FT	0.17 KIP	3.42 KIP	0.38 KIP	6.38 KIP	4.95 KIP	3.96 KIP	31 IN	(2) #
		40 PSF	21.99 PSF	5.75 FT	0.42 KIP	2.74 KIP		4.16 KIP	3.35 KIP	2.57 KIP	23 IN	(1)#
		50 PSF	27.49 PSF	5.25 FT	0.50 KIP	2.89 KIP	0.71 KIP		3.27 KIP	2.31 KIP	24 IN	(2) #
30°		60 PSF	32.99 PSF	4.75 FT	0.59 KIP	2.96 KIP	0.73 KIP	3.33 KIP	3.23 KIP	2.04 KIP	24 IN	(2) #
30		0 PSF	0.00 PSF	8.00 FT	0.22 KIP	2.72 KIP	0.36 KIP	6.97 KIP	4.66 KIP	4.30 KIP	34 IN	(2) #
		10 PSF	5.50 PSF	8.00 FT	0.22 KIP	2.91 KIP	0.36 KIP	6.97 KIP	4.85 KIP	4.30 KIP	34 IN	(2) #
		20 PSF	11.00 PSF		0.22 KIP	3.10 KIP	0.36 KIP	6.97 KIP	5.04 KIP	4.30 KIP	34 IN	(2) #
	140 MPH	30 PSF	16.49 PSF	7.75 FT	0.21 KIP	3.27 KIP	0.35 KIP	6.73 KIP	5.06 KIP	4.16 KIP	33 IN	(2) ‡
		40 PSF	21.99 PSF	5.75 FT	0.42 KIP	2.85 KIP	0.67 KIP	4.85 KIP	3.76 KIP	2.98 KIP	25 IN	(2) #
		50 PSF	27.49 PSF	5.25 FT	0.50 KIP	3.00 KIP	0.71 KIP	4.37 KIP	3.50 KIP	2.68 KIP	24 IN	(2) #
		60 PSF	32.99 PSF	4.75 FT	0.59 KIP	3.06 KIP	0.73 KIP	3.88 KIP	3.40 KIP	2.37 KIP	24 IN	(2) #
		0 PSF	0.00 PSF	7.00 FT	0.24 KIP	2.67 KIP	0.32 KIP	6.95 KIP	4.59 KIP	4.27 KIP	35 IN	(2) #
		10 PSF	5.50 PSF	7.00 FT	0.24 KIP	2.84 KIP	0.32 KIP	6.95 KIP	4.75 KIP	4.27 KIP	35 IN	(2) #
		20 PSF	11.00 PSF	7.00 FT	0.24 KIP	3.01 KIP	0.32 KIP	6.95 KIP	4.91 KIP	4.27 KIP	35 IN	(2) #
	150 MPH	30 PSF	16.49 PSF	7.00 FT	0.24 KIP	3.17 KIP	0.32 KIP	6.95 KIP	5.08 KIP	4.27 KIP	35 IN	(2) #
		40 PSF	21.99 PSF	5.75 FT	0.42 KIP	2.98 KIP	0.67 KIP	5.58 KIP	4.20 KIP	3.42 KIP	29 IN	(2) #
		50 PSF	27.49 PSF	4.75 FT	0.50 KIP	3.11 KIP	0.71 KIP	5.03 KIP	3.90 KIP	3.07 KIP	27 IN	(2) #
		60 PSF	32.99 PSF					4.47 KIP	3.57 KIP	2.72 KIP	24 IN	(2) #
		0 PSF	0.00 PSF		0.27 KIP		0.29 KIP	6.99 KIP	4.56 KIP	4.28 KIP	36 IN	(3) #
		10 PSF	5.50 PSF		0.27 KIP		0.29 KIP	6.99 KIP	4.71 KIP	4.28 KIP	36 IN	(3) #
		20 PSF	11.00 PSF	6.25 FT	0.27 KIP	2.96 KIP	0.29 KIP	6.99 KIP	4.85 KIP	4.28 KIP	36 IN	(3) #
	160 MPH	30 PSF	16.49 PSF	6.25 FT	0.27 KIP	3.11 KIP	0.29 KIP	6.99 KIP	5.00 KIP	4.28 KIP	36 IN	(3) #
		40 PSF	21.99 PSF	5.75 FT	0.42 KIP	3.11 KIP	0.67 KIP	6.37 KIP	4.68 KIP	3.89 KIP	33 IN	(2) #
		50 PSF	27.49 PSF	5.25 FT	0.50 KIP	3.23 KIP	0.71 KIP	5.74 KIP	4.33 KIP	3.50 KIP	30 IN	(2) #
		60 PSF	32.99 PSF	4.75 FT	0.59 KIP	3.26 KIP	0.73 KIP	5.10 KIP	3.95 KIP	3.10 KIP	28 IN	(2) #

	NO.	DRAWN:	CHECKED:	REVIEWED:	APPROVED:	REVISIONS:
	0	BushBr 9/27/2014				New Drawing
	1	BushBr 3/12/2015				Notes, embedments New Tables, and Sheets
	2	BushBr 11/5/2015				Change Ballast Size, Max Dead Load, Add 2015
	3	BushBr 11/18/2015				Change Ballast Size
.,	4	VasqHu 08/01/2016				Updated Load Tables
K	5					
	6					
	7					
	8					

Client: Schletter Inc 2201 North Forbes Boulevard

Tucson, AZ 85745



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

1001 COMMERCE CENTER DR. | SHELBY, NC 28150 TEL: (704) 595 - 4200 | Fax: ( 704) 595 - 4210 EMAIL: MAIL@SCHLETTER.US WWW.SCHLETTER.US

Standard PvMax, 72 Cell, 20° - 30° Racking Structure

Snow, Wind, Alignment, Tables, 30° ISSUED BY: SCHLETTER INC. PROPRIETARY AND CONFIDENTIAL

Project Site: Schletter Inc

1001 Commerce Center Dr Shelby, NC 28150

Drawing Number:

JOB NUMBER: V SHEET: 4c of 4

SCALE: SEE DRAWING VIEWS