



	ASCE 7-05			ASCE 7-05 W/ SEISMIC E	DESIGN		
	TILT WIND GROUND SLOPED ROOF MAX SPAN FORCE		TILT WIND	SLOPED	TENSION SHEAR DEPTH 2 FT		
	0 PSF 0.00 PSF 15.0 FT 6.16 KI	DIAMETER X		SNOW	6.16 KIP 3.09 KIP 5.75 FT		
	10 PSF 6.19 PSF 14.5 FT 5.96 KI 20 PSF 12.37 PSF 13.0 FT 5.36 KI	IP 2.99 KIP 6.00 FT IP 2.69 KIP 6.25 FT			5.96 KIP 2.99 KIP 6.00 FT 5.36 KIP 2.69 KIP 6.25 FT		
	85 MPH 30 PSF 18.56 PSF 11.5 FT 4.75 KI	P 2.40 KIP 6.50 FT	85 MPH	30 PSF 18.56 PSF 11.5 FT	4.75 KIP 2.40 KIP 6.50 FT		
	40 PSF 24.74 PSF 10.5 FT 4.34 KI 50 PSF 30.93 PSF 9.5 FT 3.92 KI	IP 2.26 KIP 6.75 FT IP 2.12 KIP 7.00 FT			3.71 KIP 1.99 KIP 6.25 FT 3.29 KIP 1.84 KIP 6.25 FT		
		IP 2.07 KIP 7.25 FT			2.86 KIP 1.68 KIP 6.25 FT 6.75 KIP 3.36 KIP 5.75 FT		
	10 PSF 6.19 PSF 14.0 FT 6.53 KI	P 3.24 KIP 6.00 FT		10 PSF 6.19 PSF 14.0 FT	6.53 KIP 3.24 KIP 6.00 FT		
		IP 2.67 KIP 6.75 FT	90 MPH	30 PSF 18.56 PSF 11.5 FT	5.38 KIP 2.67 KIP 6.75 FT		
	40 PSF 24.74 PSF 10.5 FT 4.91 KI 50 PSF 30.93 PSF 9.5 FT 4.44 KI	- 		1 1	4.21 KIP 2.20 KIP 6.25 FT 3.73 KIP 2.03 KIP 6.25 FT		
	60 PSF 37.11 PSF 9.0 FT 4.21 KI 0 PSF 0.00 PSF 11.5 FT 6.75 KI	IP 2.28 KIP 7.25 FT IP 3.30 KIP 5.50 FT			3.25 KIP		
	10 PSF 6.19 PSF 11.5 FT 6.75 KI	IP 3.30 KIP 5.75 FT		10 PSF 6.19 PSF 11.5 FT	6.75 KIP 3.30 KIP 5.75 FT		
		IP 3.30 KIP 6.25 FT IP 3.15 KIP 6.75 FT	100 M PH		6.75 KIP 3.30 KIP 6.25 FT 6.46 KIP 3.15 KIP 6.75 FT		
	40 PSF 24.74 PSF 10.0 FT 5.87 KI 50 PSF 30.93 PSF 9.5 FT 5.58 KI	IP 2.92 KIP 6.75 FT IP 2.83 KIP 7.00 FT		1 1	5.28 KIP 2.67 KIP 6.50 FT 4.69 KIP 2.45 KIP 6.50 FT		
	60 PSF 37.11 PSF 8.5 FT 4.99 KI		25°	60 PSF 37.11 PSF 7.0 FT	4.08 KIP 2.22 KIP 6.25 FT 6.83 KIP 3.29 KIP 5.25 FT		
	10 PSF 6.19 PSF 9.5 FT 6.83 KI	IP 3.29 KIP 5.50 FT		10 PSF 6.19 PSF 9.5 FT	6.83 KIP 3.29 KIP 5.50 FT		
		IP 3.29 KIP 6.00 FT	110 M PH		6.83 KIP 3.29 KIP 6.00 FT 6.83 KIP 3.29 KIP 6.25 FT		
	40 PSF 24.74 PSF 9.5 FT 6.83 KI 50 PSF 30.93 PSF 9.5 FT 6.83 KI				6.47 KIP 3.18 KIP 6.50 FT 5.75 KIP 2.91 KIP 6.50 FT		
	60 PSF 37.11 PSF 8.5 FT 6.11 KI	P 3.11 KIP 7.00 FT		60 PSF 37.11 PSF 7.0 FT	5.01 KIP 2.63 KIP 6.25 FT		
	10 PSF 6.19 PSF 8.0 FT 6.90 KI	IP 3.29 KIP 5.25 FT IP 3.29 KIP 5.25 FT		10 PSF 6.19 PSF 8.0 FT	6.90 KIP 3.29 KIP 5.25 FT 6.90 KIP 3.29 KIP 5.25 FT		
		P 3.30 KIP 5.50 FT P 3.34 KIP 6.00 FT	120 MPH		6.90 KIP 3.30 KIP 5.50 FT 6.90 KIP 3.34 KIP 6.00 FT		
	40 PSF 24.74 PSF 8.0 FT 6.90 KI	IP 3.38 KIP 6.25 FT		40 PSF 24.74 PSF 8.0 FT	6.90 KIP 3.38 KIP 6.25 FT		
	60 PSF 37.11 PSF 8.0 FT 6.90 KI	IP 3.42 KIP 6.75 FT IP 3.46 KIP 7.00 FT		60 PSF 37.11 PSF 7.0 FT	6.90 KIP 3.42 KIP 6.75 FT 6.02 KIP 3.08 KIP 6.50 FT		
		IP 3.12 KIP 5.00 FT IP 3.15 KIP 5.00 FT			6.59 KIP 3.12 KIP 5.00 FT 6.59 KIP 3.15 KIP 5.00 FT		
		IP 3.19 KIP 5.00 FT IP 3.23 KIP 5.50 FT	130 MPH		6.59 KIP 3.19 KIP 5.00 FT 6.59 KIP 3.23 KIP 5.50 FT		
	40 PSF 24.74 PSF 6.5 FT 6.59 KI	IP 3.26 KIP 5.75 FT	1.00 1011 11	40 PSF 24.74 PSF 6.5 FT	6.59 KIP 3.26 KIP 5.75 FT		
	50 PSF 30.93 PSF 6.5 FT 6.59 KI 60 PSF 37.11 PSF 6.5 FT 6.59 KI	IP 3.30 KIP 6.00 FT IP 3.33 KIP 6.25 FT			6.59 KIP 3.30 KIP 6.00 FT 6.59 KIP 3.33 KIP 6.25 FT		
	ASCE 7-10			ASCE 7-10 W/ SEISMIC I	DESIGN		
	THE TOURS OF THE PROPERTY OF T	DN SHEAR DRILLED SHAFT DEPTH 2 FT	TILT WIND		TENSION SHEAR DEPTH 2 FT		
	SNOW SNOW FORCE	FORCE DIAMETER X		SNOW SNOW	FORCE FORCE DIAMETER X 6.48 KIP 3.24 KIP 5.75 FT		
	10 PSF 6.19 PSF 14.0 FT 6.06 KI	IP 3.03 KIP 6.00 FT		10 PSF 6.19 PSF 14.0 FT	6.06 KIP 3.03 KIP 6.00 FT		
	110 MPH 30 PSF 18.56 PSF 11.5 FT 4.99 KI		110 MPH	30 PSF 18.56 PSF 11.5 FT	5.63 KIP 2.81 KIP 6.25 FT 4.99 KIP 2.50 KIP 6.50 FT		
	40 PSF 24.74 PSF 10.5 FT 4.56 KI 50 PSF 30.93 PSF 9.5 FT 4.12 KI	IP 2.36 KIP 6.75 FT IP 2.21 KIP 7.00 FT			3.90 KIP 2.07 KIP 6.25 FT 6.25 FT		
	60 PSF 37.11 PSF 9.0 FT 3.90 KI 0 PSF 0.00 PSF 14.0 FT 6.67 KI	IP 2.15 KIP 7.25 FT		60 PSF 37.11 PSF 7.0 FT	3.01 KIP		
	10 PSF 6.19 PSF 13.5 FT 6.44 KI	IP 3.19 KIP 6.00 FT		10 PSF 6.19 PSF 13.5 FT	6.44 KIP 3.19 KIP 6.00 FT		
		IP 2.72 KIP 6.50 FT	115 MPH	30 PSF 18.56 PSF 11.5 FT	5.97 KIP 2.96 KIP 6.25 FT 5.50 KIP 2.72 KIP 6.50 FT		
	40 PSF 24.74 PSF 10.5 FT 5.02 KI 50 PSF 30.93 PSF 9.5 FT 4.54 KI			40 PSF 24.74 PSF 9.0 FT 50 PSF 30.93 PSF 8.0 FT	4.30 KIP 2.24 KIP 6.25 FT 3.82 KIP 2.07 KIP 6.25 FT		
	60 PSF 37.11 PSF 9.0 FT 4.30 KI 0 PSF 0.00 PSF 11.0 FT 6.84 KI	IP 2.32 KIP 7.25 FT		60 PSF 37.11 PSF 7.0 FT	3.32 KIP		
	10 PSF 6.19 PSF 11.0 FT 6.84 KI 20 PSF 12.37 PSF 11.0 FT 6.84 KI	IP 3.33 KIP 5.75 FT		10 PSF 6.19 PSF 11.0 FT	6.84 KIP 3.33 KIP 5.75 FT 6.84 KIP 3.33 KIP 6.25 FT		
	130 MPH 30 PSF 18.56 PSF 11.0 FT 6.84 KI	P 3.33 KIP 6.75 FT	130 MPH	30 PSF 18.56 PSF 11.0 FT	6.84 KIP 3.33 KIP 6.75 FT		
	40 PSF 24.74 PSF 10.0 FT 6.23 KI 50 PSF 30.93 PSF 9.5 FT 5.91 KI	P 2.98 KIP 7.00 FT		50 PSF 30.93 PSF 8.0 FT	5.60 KIP 2.81 KIP 6.50 FT 4.97 KIP 2.57 KIP 6.50 FT		
	25° 60 PSF 37.11 PSF 8.5 FT 5.29 KI 0 PSF 0.00 PSF 9.5 FT 6.92 KI		25°		4.33 KIP 2.33 KIP 6.25 FT 6.92 KIP 3.34 KIP 5.25 FT		
	10 PSF 6.19 PSF 9.5 FT 6.92 KI 20 PSF 12.37 PSF 9.5 FT 6.92 KI	IP 3.34 KIP 5.50 FT		10 PSF 6.19 PSF 9.5 FT	6.92 KIP 3.34 KIP 5.50 FT 6.92 KIP 3.34 KIP 6.00 FT		
	140 MPH 30 PSF 18.56 PSF 9.5 FT 6.92 KI	P 3.34 KIP 6.25 FT	140 MPH	30 PSF 18.56 PSF 9.5 FT	6.92 KIP 3.34 KIP 6.25 FT		
	40 PSF 24.74 PSF 9.5 FT 6.92 KI 50 PSF 30.93 PSF 9.0 FT 6.56 KI	IP 3.26 KIP 7.00 FT			6.56 KIP 3.22 KIP 6.50 FT 5.82 KIP 2.95 KIP 6.50 FT		
	60 PSF 37.11 PSF 8.5 FT 6.19 KI 0 PSF 0.00 PSF 8.0 FT 6.73 KI	P 3.14 KIP 7.00 FT		60 PSF 37.11 PSF 7.0 FT	5.07 KIP 2.66 KIP 6.25 FT 6.73 KIP 3.21 KIP 5.00 FT		
	10 PSF 6.19 PSF 8.0 FT 6.73 KI	IP 3.21 KIP 5.00 FT		10 PSF 6.19 PSF 8.0 FT	6.73 KIP 3.21 KIP 5.00 FT		
	20 PSF 12.37 PSF 8.0 FT 6.73 KI 150 MPH 30 PSF 18.56 PSF 8.0 FT 6.73 KI	IP 3.27 KIP 6.00 FT	150 MPH	30 PSF 18.56 PSF 8.0 FT	6.73 KIP 3.23 KIP 5.50 FT 6.73 KIP 3.27 KIP 6.00 FT		
	40 PSF 24.74 PSF 8.0 FT 6.73 KI 50 PSF 30.93 PSF 8.0 FT 6.73 KI	· · · · · · · · · · · · · · · · · · · 		1 1	6.73 KIP 3.31 KIP 6.25 FT 6.73 KIP 3.35 KIP 6.50 FT		
	60 PSF 37.11 PSF 8.0 FT 6.73 KI	P 3.38 KIP 7.00 FT		60 PSF 37.11 PSF 7.0 FT	5.87 KIP 3.01 KIP 6.50 FT 6.72 KIP 3.18 KIP 5.00 FT		
	10 PSF 6.19 PSF 7.0 FT 6.72 KI	IP 3.20 KIP 5.00 FT		10 PSF 6.19 PSF 7.0 FT	6.72 KIP 3.20 KIP 5.00 FT		
	20 PSF 12.37 PSF 7.0 FT 6.72 KI 160 MPH 30 PSF 18.56 PSF 7.0 FT 6.72 KI	IP 3.28 KIP 5.50 FT	160 MPH	30 PSF 18.56 PSF 7.0 FT	6.72 KIP 3.24 KIP 5.25 FT 6.72 KIP 3.28 KIP 5.50 FT		
	40 PSF 24.74 PSF 7.0 FT 6.72 KI 50 PSF 30.93 PSF 7.0 FT 6.72 KI	 			6.72 KIP 3.32 KIP 6.00 FT 6.72 KIP 3.35 KIP 6.25 FT		
	60 PSF 37.11 PSF 7.0 FT 6.72 KI				6.72 KIP 3.39 KIP 6.50 FT		
	CONCRETE FOOTING NOTES: WHERE THE DISTANCE BETWEEN BOTTOM OF POST TO THE BOTTOM OF CON	CRETE FOOTING IS GREATER THAN 12". REINFORGEMENT	IS REQUIRED.				
	IF EMBEDDED POST LENGTH EXCEEDS DEPTH OF CONCRETE FOOTING, POS' 3" CLEAR COVER IS TO BE MAINTAINED.			INCREASED.			
REVISIONS:	GROUND CLEARANCE MAY VARY FROM 3' MAXIMUM TO 2' MINIMUM.		Chanderel		Drojoot Cito:	Drawing Number	
nbedments	Client:	SCHLETTER	Standard FS 60 Cell - 25°		Project Site:	Drawing Number:	
ent Depth Length	Schletter Inc.		Racking St	tructure	Schletter Inc.	v.03	
A	2201 North Forbes Boulevard	3761 E. FARNUM PLACE TUCSON, AZ 85706	Design Tal	bles	1001 Commerce Center Dr	V.UJ	
	Tucson, AZ 85745	TEL: (520) 289 - 8700 FAX: (520) 289 - 8695 EMAIL: MAIL@SCHLETTER.US		ED BY: SCHLETTER INC.	Shelby, NC 28150	JOB NUMBER: v SCALE:	
		WWW.SCHLETTER.US	, 1000		1		

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

NO. DRAWN:

0 BushBr 7/29/2014 1 BushBr 1/14/2015

BushBr 2/3/2015 BushBr 2/11/2015

CHECKED: REVIEWED: APPROVED: