



1 2	3 4	56 7	8 9	10 11		13 14	15 16	17
		ASCE 7-05  GROUND SLOPED TENS	ION SHEAR DRILLED SHAFT	ASCE 7-05 W/ SEISM	TENSION SHEAR DRILLED SHAFT			
		SNOW SNOW FOR	DIAMETERA	SNOW SNOW	FORCE FORCE DEPTH 2 FT DIAMETER X			
		0 PSF	KIP 3.98 KIP 6.00 FT	0 PSF   0.00 PSF   12.0 FT   10 PSF   5.50 PSF   12.0 FT	5.99 KIP 3.67 KIP 5.75 FT			
		85 MPH   20 PSF   11.00 PSF   12.5 FT   6.24   30 PSF   16.49 PSF   11.0 FT   5.50	KIP 3.42 KIP 6.75 FT	20 PSF   11.00 PSF   12.0 FT   30 PSF   16.49 PSF   11.0 FT	5.50 KIP 3.42 KIP 6.75 FT			
		40 PSF 21.99 PSF 9.5 FT 4.75 I 50 PSF 27.49 PSF 8.0 FT 3.99 I	KIP     3.06 KIP     6.75 FT       KIP     2.67 KIP     6.50 FT	40 PSF   21.99 PSF   5.0 FT   50 PSF   27.49 PSF   4.0 FT	1.82 KIP 1.30 KIP 5.00 FT			
		60 PSF   32.99 PSF   7.5 FT   3.73   0 PSF   0.00 PSF   12.0 FT   6.79		60 PSF   32.99 PSF   3.0 FT   0 PSF   0.00 PSF   12.0 FT				
		10 PSF 5.50 PSF 12.0 FT 6.79 PSF 11.00 PSF 12.0 FT 6.79 PSF 11.00 PSF 12.0 FT 6.79 PSF 12.0 FT 6.70 PSF 12.0	KIP 4.12 KIP 6.00 FT	10 PSF   5.50 PSF   12.0 FT				
		90 MPH 30 PSF 16.49 PSF 11.0 FT 6.23		90 MPH 30 PSF 16.49 PSF 11.0 FT 40 PSF 21.99 PSF 5.0 FT	6.23 KIP 3.81 KIP 6.75 FT			
		50 PSF 27.49 PSF 8.0 FT 4.52	KIP 2.95 KIP 6.50 FT	50 PSF 27.49 PSF 4.0 FT	2.07 KIP 1.44 KIP 5.00 FT			
		0 PSF 0.00 PSF 9.5 FT 6.75	KIP 2.65 KIP 6.50 FT KIP 4.00 KIP 5.75 FT	0 PSF   0.00 PSF   9.5 FT	6.75 KIP 4.00 KIP 5.75 FT			
		20 PSF 11.00 PSF 9.5 FT 6.75 I	KIP 4.00 KIP 5.75 FT KIP 4.02 KIP 6.00 FT	10 PSF	6.75 KIP 4.02 KIP 6.00 FT			
			KIP 4.07 KIP 6.50 FT KIP 3.93 KIP 6.50 FT	100 MPH 30 PSF 16.49 PSF 9.5 FT 40 PSF 21.99 PSF 5.0 FT	3.42 KIP 2.21 KIP 5.00 FT			
		50 PSF 27.49 PSF 8.0 FT 5.68 I 60 PSF 32.99 PSF 7.0 FT 4.94 I	<del></del>	50 PSF 27.49 PSF 4.0 FT 60 PSF 32.99 PSF 3.0 FT				
		0 PSF   0.00 PSF   7.5 FT   6.51   10 PSF   5.50 PSF   7.5 FT   6.51	KIP 3.78 KIP 5.50 FT KIP 3.82 KIP 5.50 FT	0 PSF   0.00 PSF   7.5 FT	6.51 KIP 3.78 KIP 5.50 FT 6.51 KIP 3.82 KIP 5.50 FT			
		20 PSF   11.00 PSF   7.5 FT   6.51   110 MPH   30 PSF   16.49 PSF   7.5 FT   6.51	KIP 3.87 KIP 5.50 FT	20 PSF 11.00 PSF 7.5 FT 11.00 MPH 30 PSF 16.49 PSF 7.5 FT	6.51 KIP 3.87 KIP 5.50 FT			
		40 PSF 21.99 PSF 7.5 FT 6.51   50 PSF 27.49 PSF 7.5 FT 6.51	KIP 3.96 KIP 6.00 FT	40 PSF 21.99 PSF 5.0 FT 50 PSF 27.49 PSF 4.0 FT	4.20 KIP 2.63 KIP 5.00 FT			
		60 PSF 32.99 PSF 7.0 FT 6.06 I	KIP 3.80 KIP 6.50 FT	60 PSF 32.99 PSF 3.0 FT	2.20 KIP 1.43 KIP 5.00 FT			
		0 PSF   0.00 PSF   6.5 FT   6.73   10 PSF   5.50 PSF   6.5 FT   6.73	KIP 3.94 KIP 5.50 FT	0 PSF   0.00 PSF   6.5 FT   10 PSF   5.50 PSF   6.5 FT	6.73 KIP 3.94 KIP 5.50 FT			
		20 PSF   11.00 PSF   6.5 FT   6.73   120 MPH   30 PSF   16.49 PSF   6.5 FT   6.73	KIP 4.02 KIP 5.50 FT	20 PSF   11.00 PSF   6.5 FT   120 MPH   30 PSF   16.49 PSF   6.5 FT	6.73 KIP 4.02 KIP 5.50 FT			
		40 PSF     21.99 PSF     6.5 FT     6.73       50 PSF     27.49 PSF     6.5 FT     6.73	KIP 4.10 KIP 6.00 FT	40 PSF   21.99 PSF   5.0 FT   50 PSF   27.49 PSF   4.0 FT	3.87 KIP 2.43 KIP 5.00 FT			
		60 PSF 32.99 PSF 6.5 FT 6.73 I 0 PSF 0.00 PSF 5.5 FT 6.64 I	KIP 3.85 KIP 5.50 FT	60 PSF 32.99 PSF 3.0 FT 0 PSF 0.00 PSF 5.5 FT	6.64 KIP 3.85 KIP 5.50 FT			
		10 PSF   5.50 PSF   5.5 FT   6.64   20 PSF   11.00 PSF   5.5 FT   6.64		10 PSF   5.50 PSF   5.5 FT   20 PSF   11.00 PSF   5.5 FT				
		130 MPH 30 PSF 16.49 PSF 5.5 FT 6.64 I 40 PSF 21.99 PSF 5.5 FT 6.64 I		130 MPH 30 PSF 16.49 PSF 5.5 FT 40 PSF 21.99 PSF 5.0 FT				
		50 PSF 27.49 PSF 5.5 FT 6.64 F 60 PSF 32.99 PSF 5.5 FT 6.64 F	KIP 4.03 KIP 5.75 FT		4.58 KIP 2.82 KIP 5.00 FT			
				ASCE 7-10 W/ SEISM				
		TILT WIND GROUND SLOPED ROOF MAX SPAN FOR	ION SHEAR DRILLED SHAFT DEPTH 2 FT	THE WIND GROUND SLOPED MAY SPA	TENSION SHEAR DRILLED SHAFT			
		9 PSF 0.00 PSF 13.0 FT 6.82 I	DIAMETER X	SNOW SNOW	FORCE FORCE DIAMETER X  6.30 KIP 3.84 KIP 5.75 FT			
		10 PSF 5.50 PSF 13.0 FT 6.82	KIP 4.17 KIP 6.00 FT	10 PSF   5.50 PSF   12.0 FT	6.30 KIP 3.84 KIP 5.75 FT			
		20 PSF   11.00 PSF   12.5 FT   6.56   110 MPH   30 PSF   16.49 PSF   11.0 FT   5.78	KIP 3.57 KIP 6.75 FT	110 MPH 30 PSF 16.49 PSF 11.0 FT				
		40 PSF         21.99 PSF         9.5 FT         5.00 FT           50 PSF         27.49 PSF         8.0 FT         4.20 FT	KIP 2.78 KIP 6.50 FT	40 PSF   21.99 PSF   5.0 FT   50 PSF   27.49 PSF   4.0 FT	1.92 KIP 1.35 KIP 5.00 FT			
		60 PSF   32.99 PSF   7.5 FT   3.93   0 PSF   0.00 PSF   11.5 FT   6.65	KIP 4.02 KIP 5.75 FT		6.65 KIP 4.02 KIP 5.75 FT			
		10 PSF   5.50 PSF   11.5 FT   6.65   20 PSF   11.00 PSF   11.5 FT   6.65		10 PSF   5.50 PSF   11.5 FT 20 PSF   11.00 PSF   11.5 FT				
		115 MPH 30 PSF 16.49 PSF 11.0 FT 6.37 I 40 PSF 21.99 PSF 9.5 FT 5.50 I	KIP 3.88 KIP 6.75 FT	115 MPH 30 PSF 16.49 PSF 11.0 FT 40 PSF 21.99 PSF 5.0 FT	6.37 KIP 3.88 KIP 6.75 FT			
		50 PSF 27.49 PSF 8.0 FT 4.62 FT 60 PSF 32.99 PSF 7.0 FT 4.02 F	KIP 3.00 KIP 6.50 FT	50 PSF 27.49 PSF 4.0 FT 60 PSF 32.99 PSF 3.0 FT	2.12 KIP 1.46 KIP 5.00 FT			
		0 PSF	KIP 3.99 KIP 5.75 FT	0 PSF	6.78 KIP 3.99 KIP 5.75 FT			
		20 PSF   11.00 PSF   9.0 FT   6.78 F	KIP 4.03 KIP 5.75 FT	130 MPH 30 PSF 16.49 PSF 9.0 FT	6.78 KIP 4.03 KIP 5.75 FT			
		40 PSF 21.99 PSF 9.0 FT 6.78 I 50 PSF 27.49 PSF 8.0 FT 6.02 I	KIP 4.13 KIP 6.50 FT	40 PSF   21.99 PSF   5.0 FT				
		30° 60 PSF 32.99 PSF 7.0 FT 5.24 I	KIP 3.35 KIP 6.50 FT	30° 60 PSF 32.99 PSF 3.0 FT	1.89 KIP 1.27 KIP 5.00 FT			
		0 PSF   0.00 PSF   7.5 FT   6.59 I 10 PSF   5.50 PSF   7.5 FT   6.59 I	KIP 3.87 KIP 5.50 FT	0 PSF   0.00 PSF   7.5 FT   10 PSF   5.50 PSF   7.5 FT	6.59 KIP 3.87 KIP 5.50 FT			
		20 PSF   11.00 PSF   7.5 FT   6.59   140 MPH   30 PSF   16.49 PSF   7.5 FT   6.59	KIP 3.96 KIP 5.75 FT	140 MPH 30 PSF 16.49 PSF 7.5 FT				
		40 PSF         21.99 PSF         7.5 FT         6.59 F           50 PSF         27.49 PSF         7.5 FT         6.59 F	KIP 4.05 KIP 6.50 FT	40 PSF   21.99 PSF   5.0 FT   50 PSF   27.49 PSF   4.0 FT	3.25 KIP 2.09 KIP 5.00 FT			
		60 PSF 32.99 PSF 7.0 FT 6.14 I 0 PSF 0.00 PSF 6.5 FT 6.57 I		60 PSF   32.99 PSF   3.0 FT   0 PSF   0.00 PSF   6.5 FT	2.23 KIP 1.45 KIP 5.00 FT 6.57 KIP 3.81 KIP 5.25 FT			
		10 PSF 5.50 PSF 6.5 FT 6.57 I 20 PSF 11.00 PSF 6.5 FT 6.57 I	KIP 3.85 KIP 5.25 FT	10 PSF   5.50 PSF   6.5 FT	6.57 KIP 3.85 KIP 5.25 FT 6.57 KIP 3.89 KIP 5.25 FT			
		150 MPH 30 PSF 16.49 PSF 6.5 FT 6.57 I 40 PSF 21.99 PSF 6.5 FT 6.57 I	KIP 3.93 KIP 5.50 FT	150 MPH 30 PSF 16.49 PSF 6.5 FT 40 PSF 21.99 PSF 5.0 FT	6.57 KIP 3.93 KIP 5.50 FT			
		50 PSF 27.49 PSF 6.5 FT 6.57 C 60 PSF 32.99 PSF 6.5 FT 6.57 C	KIP 4.01 KIP 6.00 FT	50 PSF 27.49 PSF 4.0 FT 60 PSF 32.99 PSF 3.0 FT	3.77 KIP 2.38 KIP 5.00 FT			
		0 PSF	KIP 3.65 KIP 5.25 FT	0 PSF 0.00 PSF 5.5 FT 10 PSF 5.50 PSF 5.5 FT	6.27 KIP 3.65 KIP 5.25 FT			
		20 PSF 11.00 PSF 5.5 FT 6.27	KIP 3.72 KIP 5.25 FT	20 PSF   11.00 PSF   5.5 FT	6.27 KIP 3.72 KIP 5.25 FT			
		160 MPH 30 PSF 16.49 PSF 5.5 FT 6.27 I 40 PSF 21.99 PSF 5.5 FT 6.27 I	KIP 3.79 KIP 5.25 FT	160 MPH 30 PSF 16.49 PSF 5.5 FT 40 PSF 21.99 PSF 5.0 FT	6.27 KIP 3.75 KIP 5.25 FT 5.64 KIP 3.43 KIP 5.00 FT			
		50 PSF 27.49 PSF 5.5 FT 6.27 I 60 PSF 32.99 PSF 5.5 FT 6.27 I	KIP       3.82 KIP       5.50 FT         KIP       3.86 KIP       5.75 FT	40 PSF 21.99 PSF 5.0 FT 50 PSF 27.49 PSF 4.0 FT 60 PSF 32.99 PSF 3.0 FT	4.32 KIP       2.68 KIP       5.00 FT         2.97 KIP       1.86 KIP       5.00 FT			
		CONCRETE FOOTING NOTES:						
		WHERE THE DISTANCE BETWEEN BOTTOM OF POST TO THE BOTTOM OF CO IF EMBEDDED POST LENGTH EXCEEDS DEPTH OF CONCRETE FOOTING, PO 3" CLEAR COVER IS TO BE MAINTAINED.						
AWN: CHECKED: REVIEWED:	D: APPROVED: REVISIONS:	GROUND CLEARANCE MAY VARY FROM 3' MAXIMUM TO 2' MINIMUM.		01 1 1 50 70 0 11 000	D ' ' ' ' ' ' '			
shBr 8/4/2014 shBr 1/14/2015	New Drawing Update Post Lengths and Embedments	Client:	SCHLETTER	Standard FS 72 Cell - 30°	Project Site:	Drawing Number:		
shBr 1/20/2015 shBr 2/5/2015	Update Post Lengths and Embedments Update Embedments	Schletter Inc.		Racking Structure	Schletter Inc.	v.03		
shBr 2/11/2015	Update Post Lengths	2201 North Forbes Boulevard	3761 E. FARNUM PLACE   TUCSON, AZ 85706	Design Tables	1001 Commerce Center Dr	V.UO		
		Tucson, AZ 85745	TEL: (520) 289 - 8700   FAX: (520) 289 - 8695  EMAIL: MAIL@SCHLETTER.US  WWW.SCHLETTER.US	ISSUED BY: SCHLETTER INC.	Shelby, NC 28150	JOB NUMBER: V SCALE:		
			LIVIAL WALLOUTELT LIVEDO	1000ED DT. COTTEET TEXT TO		The state of the s	I .	