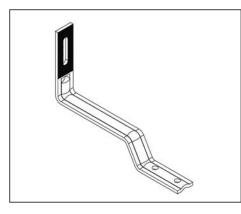
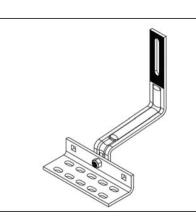
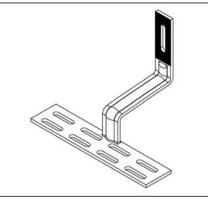
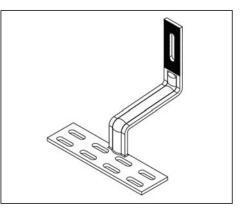


## **INSTALLATION GUIDE**









SOLARHOOK FLAT TILE 004AT1H

SOLARHOOK UNIVERSAL W/ ADJUSTABLE BASE 004CT5H

SOLARHOOK SPANISH 7" FIXED BASE 004CT1H SOLARHOOK SPANISH 9" FIXED BASE 004CT2H

## **SOLARHOOKS** PRO SERIES

## GETTING STARTED 2 INSTALLATION GUIDE PAGE

### HOOK CAPACITIES AND ENGINEERING

Refer to engineering report tables for tested allowable loads. Refer to local AHJ to determine the correct code (ASCE 7-05, 7-10 or 7-16) and environmental loads. It is the responsibility of the installer to ensure these mounting attachments are appropriate for the application. Please contact your 3<sup>rd</sup> party engineer for more information.

### ENGINEERING GUIDE LIMITATIONS

- Flush roof installations only
- Roof slope must be 0-45 degrees (0/12 12/12 pitch)
- Surrounding ground area must not slope more than 10 degrees
- Location must fall into Exposure Category B or C

Please refer to the Solarmount Installation Manual for proper installation of the Solarmount system. SOLARHOOKS are intended to replace L-feet in the system and connected to SOLARMOUNT or NXT Horizon rail according to the SOLARMOUNT Installation GUIDE or NXT Horizon Installation Guide respectively.

Please refer to www.unirac.com in the Technical Support section for the applicable D&E guide which should be used in installations that do not comply with the limitations above.

Follow all local and OSHA safety guidelines when installing.

**RECOMMENDED TOOLS FOR HOOK INSTALL** 

- Drill, Impact Driver
- 3/16" drill bit
- Sealant
- Marking crayon/ chalk
- Rafter locator

### RECOMMENDED TOOLS FOR OPTIONAL 3-COURSE FLASHING

- Roof cement
- Roof repair fabric
- Margin trowel
- Scrub brush
- Scissors

FIGURE 1: Lag pull-out (withdrawal) of	apacities (lbs)	in typical roof lumber (ASD)
	Specific Gravity	Lag Screw Specifications 5/16" shaft," per inch thread depth
Douglas Fir, Larch	0.50	266
Douglas Fir, South	0.46	235
Engelmann Spruce, Lodgepole Pine (MSR 1650f & higher)	0.46	235
Hem. Fir, Redwood (Close Grain)	0.43	212
Southern Pine	0.55	307
Spruce, Pine, Fir	0.42	205
Spruce, Pine, Fir (E of 2million PSI & higher grades of MSR & MEL)	0.50	266
SOURCES: AMERICAN WOOD COUNC	IL, NDS 2005,	TABLE 1

### NOTES:

(1) Thread must be embedded in the side grain of a rafter or other structural member integral with the building structure.

(2) Lag bolts must be located in the middle third of the structural member.

(3) This table does not include shear capacities. If necessary, contact a local engineer to specify lag bolt size with regard to shear forces.

(4) Install lag bolts with head and washer flush to surface (no gap). Do not over torque.

(5) Withdrawal design values for lag screw connections shall be multiplied by applicable adjustment factors if necessary. See table 10.3 in the American Wood Council NDS for Wood Construction

### FIGURE 1 AND ASSOCIATED NOTES (for reference only)

Refer to latest AWC, NDS data to select a lag bolt embedment depth to satisfy your Uplift Point Load Force (lbs), requirements. It is the installer's responsibility to verify that the substructure and attachment method is strong enough to support the maximum point loads calculated.







1. Remove tiles around installation area.

2. Locate and mark rafters.



3. Position hook, adjusting arm-base bolt position as needed. Use 3/16" bit to drill 2 pilot holes.

Torque arm-base nut to 16 ft. lbs.



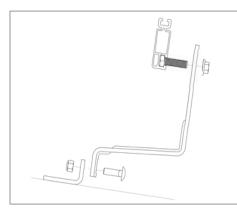
4. Remove hook, clean debris and fill pilot holes with roofing sealant.



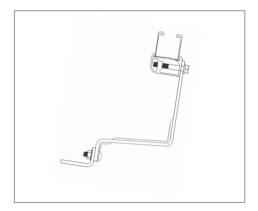
5. Reposition hook, secure with included lag screws.



6. Replace tiles, if necessary notch with grinder to ensure proper fit.



Install components as shown above.



Install components as shown above.

NOTE: SOLARHOOKS UNIVERSAL CT5 is compatible with all tile profiles. Installation process is the same for all tile profiles. NOTE: Refer to the SOLARMOUNT or NXT HORIZON Installation Guide for the remaining system installation.







1. Remove tiles around installation area.



2. Locate and mark rafters.



3. Position hook. Use 3/16" bit to drill 2 pilot holes.



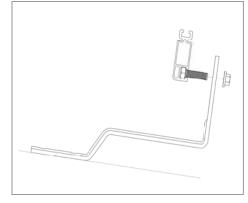
4. Remove hook, clean debris, then fill pilot holes and rib on back of hook with roofing sealant.



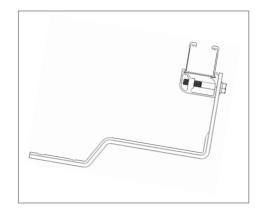
5. Reposition hook, secure with included lag screws.



6. Replace tiles, if necessary notch with grinder to ensure proper fit.



Install components as shown above.



Install components as shown above.







1. Remove tiles around installation area.



2. Locate and mark rafters.



3. Position hook. Use 3/16" bit to drill 2 pilot holes.



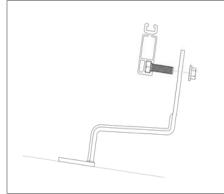
4. Remove hook, clean debris and fill pilot holes with roofing sealant.



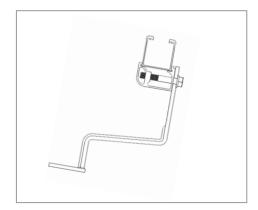
5. Reposition hook, secure with included lag screws.



6. Replace tiles, if necessary notch with grinder to ensure proper fit.



Install components as shown above.



Install components as shown above.

NOTE: SOLARHOOKS SPANISH CT1 and CT2 are compatible with W and S tile profiles. Installation process is the same for both tile profiles and hook models. NOTE: Refer to SOLARMOUNT or NXT HORIZON Installation Guide for the remaining system installation.



## SUB FLASHING 6 INSTALLATION GUIDE PAGE



1. Clean underlay.



2. Using Margin Trowel, apply base coat of roofing cement.



3. Cut roof repair fabric size, lay into roofing cement.



4. Apply top coat of roof cement.

NOTE: 3-Course flashing is not required, but may be applied when required by AHJ or when additional protection is desired.

These images show the 3-Course method applied to a replacement tile mount. The process is the same for Solarhooks, with the roof cement being applied over the base.

## **SOLAR**HOOKS PRO SERIES

# SM DESIGN RULES 7 INSTALLATION GUIDE PAGE

### ASSUMPTIONS AND USE DETAILS

- Pressure limits refer to Up, Down, Downslope, and Lateral PSF.
- · See Design Pressure table appendix for representative geographic pressures or refer to Pressure Tables for Flush Mounted Systems at unirac.com. • For each load direction, index the Allowable span for which the Allowable
- Pressure does not exceed the Design Pressure.
- The Allowable Span shall be the minimum of that for each load direction
- Pressure limits apply to all roof zones.
- Solarhooks are not recommended for use in hurricane zones.
- Tabulated allowable pressures assume continuous rail spans and may need to be divided by 1.25 for some rail span configurations.
- Pressure limits were calculated from the allowable Solarhooks loads, which are provided below for reference.

### PRESSURE LIMIT MODIFICATION GUIDELINES

<ul> <li>Portrait Module Height</li> </ul>	65	inches
<ul> <li>Landscape Module Width</li> </ul>	39.4	inches

• Tabulated Pressure limits were calculated using a module size of 39.4in x 65in

• These pressure limits may be increased or decreased linearly.

- To modify pressure limits provided, follow these simple steps:
  - 1. For portrait modules, multiply the given pressure limit by (65" / New Module Length) 2. For landscape modules, multiply the given pressure limit by (39.5" / New Module Width)

### • Allowable Loads (LBS):

HOOK TYPE	UP/DOWN	DOWNSLOPE	LATERAL
AT1	218	120	210
CT5	270	93	39
CT1	270	120	210
CT2	228	120	210

	AT1 Allowable Pressure (psf)										
	Up / I	Down	Dowr	Slope	Lateral						
Allowable Spans (in.)	Portrait Modules	Landscape Modules	Portrait Modules	Landscape Modules	Portrait Modules	Landscape Modules					
72	13.4	22.1	12.2	12.2	12.9	21.3					
60	16.1	26.6	8.9	14.6	15.5	25.6					
48	20.1	33.2	11.1	18.3	19.4	32.0					
36	26.8	44.3	14.8	24.4	25.8	42.6					
24	40.2 66.4		22.2	36.5	38.8	64.0					
12	80.5 132.8		44.3	44.3 73.1		127.9					

		CT1 Allowable Pressure (psf)										
	Up / I	Down	Down	Slope	Lateral							
Allowable Spans (in.)			Portrait Modules	Landscape Modules	Portrait Modules	Landscape Modules						
72	16.6 27.		7.4	12.2	12.9	21.3						
60	19.9	32.9	8.9	8.9 14.6		25.6						
48	24.9	41.1	11.1	18.3	19.4	32.0						
36	33.2	54.8	14.8	24.4	25.8	42.6						
24	49.8 82.2		22.2	36.5	38.8	64.0						
12	99.7	164.5	44.3	73.1	77.5	127.9						

	-	CT2 Allowable Pressure (psf)										
	Up / I	Down	Down	Slope	Lateral							
Allowable Spans (in.)	Portrait Modules	Landscape Modules	Portrait Modules	Landscape Modules	Portrait Modules	Landscape Modules						
72	14.0 23.1		7.4	12.2	12.9	21.3						
60	16.8	27.8	8.9 14.6		15.5	25.6						
48	21.0	34.7	11.1	11.1 18.3		32.0						
36	28.1	46.3	14.8	24.4	25.8	42.6						
24	42.1 69.4		22.2	36.5	38.8	64.0						
12	84.2	138.9	44.3	73.1	77.5	127.9						

	CT5 Allowable Pressure (psf)											
	Up/I	Down	Dowr	Slope	Late	eral						
Allowable Spans (in.)	Portrait Modules	Landscape Modules	Portrait Modules	Landscape Modules	Portrait Modules	Landscape Modules						
72	16.6	27.4	5.7	9.4	2.4	4.0						
60	19.9	32.9	6.9	6.9 11.3		4.8						
48	24.9	41.1	8.6	14.2	3.6	5.9						
36	33.2	54.8	11.4	18.9	4.8	7.9						
24	49.8 82.2		17.2	28.3	7.2	11.9						
12	99.7	164.5	34.3	56.6	14.4	23.8						

## **SOLAR**HOOKS **PRO SERIES**

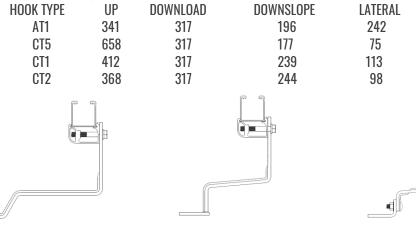
### NXT DESIGN RULES 8 INSTALLATION GUIDE PAGE

### ASSUMPTIONS AND USE DETAILS

- Pressure limits refer to Up, Down, Downslope, and Lateral PSF.
- See design pressure table index for representative geographic pressures or refer to Pressure tables for Flush Mounted Systems at Unirac.com.
- For each load direction, index the Allowable span for which the Allowable Pressure does not exceed the Design Pressure.
- The Allowable Span shall be the minimum of that for each load direction. Pressure
- limits apply to all roof zones.
- Solar hooks not recommended for use in hurricane zones.
- Tabulated allowable pressures assume continuous rail spans and may need to be divided by 1.25 for some rail span configurations.
- Pressure limits were calculated from the allowable Solar hooks loads, which are provided below for reference.

#### PRESSURE LIMIT MODIFICATION GUIDELINES 65 in

- Portrait Module Height
- Landscape Module Width 39.4 in
- Tabulated Pressure were calculated using a module size of 39.4 in ×65 in
- These pressure limits may be increased or decreased linearly
- To modify pressure limits provided, follow these simple steps:
  - For portrait modules, multiply the given pressure limit by (65"/New module length) For Landscape modules, multiply the given pressure limit by (39.4"/New module width)
- Allowable loads (lbs)



### AT1 Flat Tile solar Hook with NH

CT1/CT2 Spanish Fixed Hook Plate with NH

**CT5 Universal Solar Hook** W/Adjustable base with NH

		AT1 Allowable Pressure (psf)												
Allowable	L	JP	Do	wn	DownSlope		Lateral							
Spans (in.)	Portrait	Landscape	Portrait	Landscape	Portrait	Landscape	Portrait	Landscape						
	Modules	Modules	Modules	Modules	Modules	Modules	Modules	Modules						
72	21.0	34.6	19.5	32.2	19.9	19.9	14.9	24.6						
60	25.2	41.5	23.4	38.6	14.5	23.9	17.9	29.5						
48	31.5	51.9	29.3	48.3	18.1	29.8	22.3	36.9						
36	42.0	69.2	39.0	64.4	24.1	39.8	29.8	49.1						
24	63.0	103.9	58.5	96.5	36.2	59.7	44.7	73.7						
12	125.9	207.7	117.0	193.1	72.4	119.4	89.4	147.4						

	CT1 Allowable Pressure (psf)											
Allowable	Allowable UP		Do	Down		DownSlope		eral				
Spans (in.)	Portrait	Landscape	Portrait	Landscape	Portrait	Landscape	Portrait	Landscape				
	Modules	Modules	Modules	Modules	Modules	Modules	Modules	Modules				
72	25.4	41.8	19.5	32.2	14.7	24.3	7.0	11.5				
60	30.4	50.2	23.4	38.6	17.6	29.1	8.3	13.8				
48	38.0	62.7	29.3	48.3	22.1	36.4	10.4	17.2				
36	50.7	83.7	39.0	64.4	29.4	48.5	13.9	22.9				
24	76.1	125.5	58.5	96.5	44.1	72.8	20.9	34.4				
12	152.1	251.0	117.0	193.1	88.2	145.6	41.7	68.8				

		CT2 Allowable Pressure (psf)											
Allowable	Allowable UP		Do	Down		DownSlope		eral					
Spans (in.)	Portrait	Landscape	Portrait	Landscape	Portrait	Landscape	Portrait	Landscape					
	Modules	Modules	Modules	Modules	Modules	Modules	Modules	Modules					
72	22.6	37.4	19.5	32.2	15.0	24.8	6.0	9.9					
60	27.2	44.8	23.4	38.6	18.0	29.7	7.2	11.9					
48	34.0	56.0	29.3	48.3	22.5	37.2	9.0	14.9					
36	45.3	74.7	39.0	64.4	30.0	49.5	12.1	19.9					
24	67.9	112.1	58.5	96.5	45.0	74.3	18.1	29.8					
12	135.9	224.2	117.0	193.1	90.1	148.6	36.2	59.7					

		CT5 Allowable Pressure (psf)											
Allowable	L	JP	Do	Down		DownSlope		eral					
Spans (in.)	Portrait	Landscape	Portrait	Landscape	Portrait	Landscape	Portrait	Landscape					
	Modules	Modules	Modules	Modules	Modules	Modules	Modules	Modules					
72	40.5	66.8	19.5	32.2	10.9	18.0	4.6	7.6					
60	48.6	80.2	23.4	38.6	13.1	21.6	5.5	9.1					
48	60.7	100.2	29.3	48.3	16.3	27.0	6.9	11.4					
36	81.0	133.6	39.0	64.4	21.8	35.9	9.2	15.2					
24	121.5	200.4	58.5	96.5	32.7	53.9	13.8	22.8					
12	243.0	400.8	117.0	193.1	65.4	107.8	27.7	45.7					



SURE TABLES	9
INSTALLATION GUIDE	AGE

t. Down(psf)		15.1	14.7	14.3	13.6	13.6	13.4	15.4	15.2	15.1	15.0	14.9	14.7	15.1	14.7	14.3	13.6	13.6	13.4	19.3	19.2	19.1	18.9	18.8	18.7	15.1	14.9	14.5	13.9	13.8	13.7	21.9	21.7	21.6	V 10	21.3	Ss = 3.1	4.8	5.2	5.5	5.8	0.0	0.2	6.5	6.5	6.6	6.6	Sc = 2.1	4.5	California*
60 f	one 3	-36.1	-33.5	-33.5	-33.5	-33.6	-33.6	-14.9	-15.0	-15.0	-15.0	-15.1	-15.1	-48.5	-44.9	-44.9	-45.0	-45.0	-45.0	-20.2	-20.2	-20.3	-20.3	-20.4	-20.4	-56.4	-52.3	-52.3	-52.3	-52.4	-52.4	-23.6	-23.6	-23.7	0 0 0 0	-23.8	Ss = 2.5	4.0	4.3	4.6	4.9	2.1	5.5 5.5	5.6	5.7	5.8	5.9		9.0	ASCE 7-05
Ba	Zone 2 Z	-22.8	-21.5	-21.5	-21.5	-21.5	-21.6	-14.9	-15.0	-15.0	-15.0	-15.1	-15.1	-30.7	-28.9	-29.0	-29.0	-29.0	-29.1	-20.2	-20.2	-20.3	-20.3	-20.4	-20.4	-35.8	-33.7	-33.8	-33.8	-33.8	-33.9	-23.6	-23.6	-23.7	0 0 0 0	-23.8	Ss = 2.0	3.2	3.6	3.9	4.2	4.4	4.0	4.9	5.0	5.1	5.2	0 C = 30	l di	
B	Zone 1	-12.1	-10.8	-10.8	-10.8	-10.8	-10.9	-12.3	-12.3	-12.3	-12.4	-12.4	-12.5	-16.5	-14.7	-14.7	-14.8	-14.8	-14.8	-16.7	-16.7	-16.7	-16.8	-16.8	-16.9	-19.3	-17.3	-17.3	-17.3	-17.4	-17.4	-19.5	-19.5	-19.6	0.61-	-19.7	Ss = 1.5	2.5	2.9	3.4	3.5	x.x	4.0	4.4	4.5	4.6	4.6	Sc = 1 5	2.2	Pacic Wind Speed
ft. Down (psf)		15.1	14.7	14.3	13.6	13.6	13.4	13.3	13.2	13.1	13.0	12.8	12.7	15.1	14.7	14.3	13.6	13.6	13.4	17.2	17.1	16.9	16.8	16.7	16.6	15.1	14.7	14.3	13.6	13.6	13.4	19.7	19.6	19.5	10.0	19.1	Ss = 1.25	2.1	2.6	3.1	3.2	3.5	3.8	4.1	4.2	4.3	4.4	5c = 1 25		Ground Snow Load * This table is not
Bldg. Height = 30 ft.	Zone 3	-29.5	-27.3	-27.4	-27.4	-27.4	-27.5	-12.1	-12.1	-12.2	-12.2	-12.3		-41.9	-38.8	-38.8	-38.8	-38.9	-38.9	-17.4	-17.4	-17.5		-17.5	-17.6	-49.8	-46.1	-46.2	-46.2	-46.2	-46.3	- 20.8	- 20.8	6.02-	6.02-	-21.0	Ss = 1.0	1.9	2.4	2.9	3.1	3.4	0.0 3.8	4.0	4.1	4.2	4.2	C.4	1.6	region. The local
dg. Heig	Zone 2	-18.5		-17.5	-17.5	-17.5	-17.6	-12.1	-12.1	-12.2	-12.2	-12.3	-12.3	-26.5	-24.9	-24.9	-25.0	-25.0	-25.0	-17.4	-17.4	-17.5	-17.5	-17.5	-17.6	-31.5	-29.7	-29.8	-29.8	-29.8	-29.9	-20.8	-20.8	-20.9	0.02-	-21.0	Ss = 0.5	1.4	2.0	2.5	2.6	6.2	3.4	3.5	3.7	3.8	3.8	2 U = 2	1.0	Independantly
8	Zone 1	-9.7	-8.7	-8.8	-8.8	-8.8	-8.9	6.6-	6.6-	-10.0	-10.0	-10.1	-10.1	-14.1	-12.6	-12.6	-12.6	-12.7	-12.7	-14.3	-14.3	-14.4	-14.4	-14.5	-14.5	-17.0	-15.1	-15.2	-15.2	-15.2	-15.3	-17.1	-17.2	-17.2	C'/T-	-17.3	Ss = 0.4	1.3	1.9	2.4	2.5	2.8	3.3	3.4	3.6	3.7	3.7	0.0 Cc = 0.4	0.9	verifed for the specific install location.
ft. Down(psf)		15.1		14.3	13.6	13.6	13.4	13.3	13.2	13.1	13.0	12.8	12.7	15.1	14.7	14.3	13.6	13.6	13.4	15.4	15.2	15.1	15.0	14.9	14.7	15.1	14.7	14.3	13.6	13.6	13.4	17.9	17.8	17.F	V 11	17.3	Ss = 0.3	1.1	1.7	2.2	2.4	2.7	3.1	3.3	3.4	3.5	3.6	Sc = 0.3	0	
μ μ	m	-29.5	-27.3	-27.4	-27.4	-27.4	-27.5	-12.1	-12.1	-12.2	-12.2	-12.3	-12.3	-36.1	-33.5	-33.5	-33.5	-33.6	-33.6	-14.9	-15.0	-15.0	-15.0	-15.1	-15.1	-44.1	-40.8	40.9	-40.9	40.9	-41.0	-18.3	-18.4	-18.4	10 1	-18.5	Ss = 0.2	1.0	1.6	2.0	2.2	2.5	2.0 3.0	3.1	3.3	3.4	3.5		0	
Up Pressures (psf)	Zone 2	-18.5	-17.4	-17.5	-17.5	-17.5	-17.6	-12.1	-12.1	-12.2	-12.2	-12.3	-12.3	-22.8	-21.5	-21.5	-21.5	-21.5	-21.6	-14.9	-15.0	-15.0	-15.0	-15.1	-15.1	-27.9	-26.3	-26.3	-26.3	-26.3	-26.4	-18.3	-18.4	-18.4	101-	-18.5	Ss = 0.1	0.8	1.4	1.9	2.0	4.7	7.7	3.0	3.2	3.3	3.3	Cc = 0.1	0.2	
89	Zone 1	-9.7	-8.7	8.8	8.8 8	89 89	-8.9	-9.9	-9.9	-10.0	-10.0	-10.1	-10.1	-12.1	-10.8	-10.8	-10.8	-10.8	-10.9	-12.3	-12.3	-12.3	-12.4	-12.4	-12.5	-14.9	-13.3	-13.3	-13.4	-13.4	-13.4	-15.1	-15.1	-15.2	15.2	-15.3	Ss = 0.0	0.7	1.4	1.9	2.0	4.7	1.2	3.0	3.2	3.3	3.3	4.0 0 U = 30	0.0	
	Roof Pitch	1:12	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	10:12	11:12	12:12	1:12	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	10:12	11:12	12:12	1:12	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	21.11	12:12	Roof Pitch	1:12	2:12	3:12	4:12	5:12	21:0	8:12	9:12	10:12	11:12	77.77		
				E	(po	sur	re C	ate	ego	ry	В					E	хро	sur	re C	ate	ego	ry (	С		I			Exp	pos	ure	e Ca	iteg	gor	y D							Do	wn	Slo	pe						

Lateral



10	PRESSURE TABLES
PAGE	INSTALLATION GUIDE

L. Down(psf)		15.1	14.7	14.3	13.6	13.6	13.4	16.8	16.7	16.6	16.4	16.3	16.2	15.1	14.7	14.3	13.6	13.6	13.4	21.2	21.1	0.12	20.8	20.6	15.1	15.9	15.4	15.2	15.1	0.61	24.0	23.9	23.7	23.6	23.5	Ss = 3.1	5.2	5.5	5.8	6.0	6.3	6.5	6.5	6.6	6.6	Ce = 2.1	4.5	Southwest
8	Zone 3	40.7	-37.7	-37.7	-37.7	-37.8	-37.8	-16.9	-16.9	-17.0	-17.0	-17.0	-17.1	-54.5	-50.5	-50.5	-50.6	-50.6	-50.6	-22.8	-22.8	6.22-	-23.0	-23.0	-63.4	-58.8	-58.8	-58.8	-58.8	-26.6	-26.6	-26.7	-26.7	-26.8	-26.8	Ss = 2.5	4.3	4.6	4.9	5.1	5 C	5.6	5.7	5.8	5.9	Cc - 2 C	3.6	ASCE 7-
Up Pressures (psf)	Zone 2	-25.7	-24.2	-24.2	-24.3	-24.3	-24.3	-16.9	-16.9	-17.0	-17.0	-17.0	-17.1	-34.6	-32.6	-32.6	-32.6	-32.7	-32.7	-22.8	-22.8	6.22-	-23.0	-23.0	-40.3	-38.0	-38.0	-38.0	-38.1	-26.6	-26.6	-26.7	-26.7	-26.8	-26.8	Ss = 2.0	3.6	3.9	4.2	4.4	4.0	4.9	5.0	5.1	5.2	c 20	2.9	90 mph
d'U	Zone 1	-13.7	-12.2	-12.2	-12.3	-12.3	-12.3	-13.9	-13.9	-14.0	-14.0	-14.0	-14.1	-18.6	-16.7	-16.7	-16.7	-16.7	-16.8	-18.8	-18.8	-18.0	-19.0	-19.0	-21.8	-19.5	-19.5	-19.6	-19.6	0.61-	-22.0	-22.1	-22.1	-22.1	-22.2	Ss = 1.5	2.9	3.4	3.5		4.0	4.4	4.5	4.6	4.6	Cc = 1 E	2.2	Basic Wind Spe
Down (psf)		15.1	14.7	14.3	13.6	13.6	13.4	14.4	14.3	14.2	14.1	13.9	13.8	15.1	14.7	14.3	13.6	13.6	13.4	18.9	18.7	18.5	18.4	18.3	15.1	14.9	14.4	13.9	13.8	71.7	21.6	21.5	21.4	21.2	21.1	Ss = 1.25	2.6	3.1	3.2	3.5	3.8	4.1	4.2	4.3	4.4	Cc = 1 35		Ground Snow Lo * This table is
	cone 3	-33.3	-30.8	-30.8	-30.9	6.06-	-30.9	-13.7	-13.7	-13.8	-13.8	-13.9	-13.9	-47.1	-43.6	-43.7	-43.7	-43.7	-43.8	-19.6	-19.7	-19.7	-19.8	-19.8	-56.0	-51.9	-51.9	-51.9	-52.0	0.26-	-23.5	-23.5	-23.5	-23.6	-23.6		2.4	2.9	3.1	3.4	0. 0 0	4.0	4.1	4.2	4.2	Ce = 1 0	1.6	inclusive of all within the star region. The l
Pressures (psf)	Zone 2	-20.9	-19.7	-19.7	-19.8	-19.8	-19.8	-13.7	-13.7	-13.8	-13.8	-13.9	-13.9	-29.8	-28.1	-28.1	-28.1	-28.2	-28.2	-19.6	-19.7	-19.7	-19.8	-19.8	-35.5	-33.5	-33.5	-33.5	-33.6	-73.4	-23.5	-23.5	-23.5	-23.6	-23.6	Ss = 0.5	2.0	2.5	2.6	2.9	3.4	t in	3.7	3.8	3.8 8	20-20	1.0	wind speeds snow loads sho independan
Up	Zone 1	-11.1	9.6-	6.6-	6.6-	6.6-	-10.0	-11.2	-11.3	-11.3	-11.4	-11.4	-11.4	-16.0	-14.3	-14.3	-14.3	-14.4	-14.4	-16.2	-16.2	-16.2	-16.3	-16.4	-19.2	-17.1	-17.2	-17.2	-17.2	-19.3	-19.4	-19.4	-19.5	-19.5	-19.5	Ss = 0.4	19	2.4	2.5	2.8	3.3	3.4	3.6	3.7	3.7	0.0 - 0.4	- ö	verifed for t specific inst location.
Down (psf)		15.1	14.7	14.3	13.6	13.6	13.4	14.4	14.3	14.2	14.1	13.9	13.8	15.1	14.7	14.3	13.6	13.6	13.4	16.8	16.7	16.0	16.3	16.2	15.1	14.7	14.3	13.6	13.6	19.7	19.5	19.4	19.3	19.2	19.1	Ss = 0.3	17	2.2	2.4	2.7	2.4 2.1	3.3	3.4	3.5	3.6	< C	0.7	
sf)	one 3	-33.3	-30.8	-30.8	-30.9	-30.9	-30.9	-13.7	-13.7	-13.8	-13.8	-13.9	-13.9	40.7	-37.7	-37.7	-37.7	-37.8	-37.8	-16.9	-16.9	-17.0	-17.0	-17.1	-49.6	-45.9	-46.0	-46.0	46.0	1.04-	-20.7	-20.8	-20.8	-20.8	-20.9	Ss = 0.2	1.6	2.0	2.2	2.5	2.0 2.0	0.0	3.3	3.4	3.5	Ce = 0.0	0.5	
Jp Pressures (psf) D	Zone 2	-20.9	-19.7	-19.7	-19.8	-19.8	-19.8	-13.7	-13.7	-13.8	-13.8	-13.9	-13.9	-25.7	-24.2	-24.2	-24.3	-24.3	-24.3	-16.9	-16.9	-17.0	-17.0	-17.1	-31.4	-29.6	-29.6	-29.6	-29.7	-20.7	-20.7	-20.8	-20.8	-20.8	-20.9	Ss = 0.1	1.4	1.9	2.0	2.4	2.9	3.0	3.2	3.3	3.3	Ce = 0.1	0	
Up	Zone 1	-11.1	-9.8	-9.9	6.6-	6.6-	-10.0	-11.2	-11.3	-11.3	-11.4	-11.4	-11.4	-13.7	-12.2	-12.2	-12.3	-12.3	-12.3	-13.9	-13.9	-14.0	-14.0	-14.1	-16.9	-15.1	-15.1	-15.1	-15.2	-17.0	-17.1	-17.1	-17.2	-17.2	-17.2	Ss = 0.0	1.4	1.9	2.0	2.4	1.2	3.0	3.2	3.3	3.3		l d	
	Roof Pitch	1:12	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	10:12	11:12	12:12	1:12	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	11:12	12:12	1:12	2:12	3:12	4:12	5:12	7:12	8:12	9:12	10:12	11:12	12:12	Roof Pitch	2:12	3:12	4:12	5:12	212	8:12	9:12	10:12	11:12	77:77		
	-			E	хро	osu	re (	Cat	ego	ory	В					E	хро	sur	e Ca	ate	gor	y C					Ex	pos	ure	Cat	ego	ory	D		╢				Do	wn	Slo	pe						

Lateral



11	PRESSURE TABLES
PAGE	INSTALLATION GUIDE

t. Down(psf)		18.8	19.0	18.2	15.8	15.2	14.6	23.5	23.3	23.2	23.1	23.0	22.9	18.8	21.7	21.0	18.6	18.4	18.3	30.1	30.0	29.9	29.7	29.6	29.5	19.0	23.5	22.7	20.9	20.8	20.7	34.4	34.2	34.1	34.0	33.8 33.8	Ss = 3.1	4.8	5.2	5.9	5.9	0.2	6.6	6.7	6.8	6.8	6.7	o I	T'C - CC	0	East Coast (Low Snow)*
ht = 60 ft.	2 one 3	-61.4	-56.9	-56.9	-57.0	-57.0	-57.0	-25.7	-25.8	-25.8	-25.9	-25.9	-25.9	-82.0	-76.1	-76.1	192-	-76.2	-76.2	-34.6	-34.6	-34.7	-34.7	-34.8	-34.8	-95.3	-88.4	-88.4	-88.5	-88.5	-88.5	-40.3	-40.3	40.4	40.4	40.5	Ss = 2.5	4.0	4.5	5.2	5.2	0.0	o.c	6.1	6.2	6.2	6.1	1.0	3.6	0.0	ASCE 7-05
Bldg. Height =	2006 2	-39.0	-36.8	-36.8	-36.8	-36.9	-36.9	-25.7	-25.8	-25.8	-25.9	-25.9	-25.9	-523	49.3	40.3	VOV	4.64-	49.4	-34.6	-34.6	-34.7	-34.7	-34.8	-34.8	-60.8	-57.4	-57.4	-57.4	-57.5	-57.5	40.3	40.3	40.4	40.4	40.5	Ss = 2.0	3.2	4.0	4.7		0.0	0.0	5.6	5.6	5.7	5.7	0.0	0.2 - 00		110 mph
B d	20Ne 1	-21.1	-18.9	-18.9	-18.9	-19.0	-19.0	-21.3	-21.3	-21.4	-21.4	-21.4	-21.5	-28.5	-25.5	-25.5	920-	-25.6	-25.6	-28.6	-28.7	-28.7	-28.8	-28.8	-28.8	-33.2	-29.8	-29.8	-29.8	-29.9	-29.9	-33.4	-33.4	-33.5	-33.5 7	-33.6	Ss = 1.5	2.6	3.4	4.1	4.1	4.5 7 7	4.9	5.1	5.1	5.2	5.2	1.1	C-T - SC	7.2	Basic Wind Speed
t. Down (psf)	I	18.8	18.1	17.3	14.9	14.3	13.7	19.9	19.8	19.7	19.5	19.4	19.3	18.8	20.3	19.5	171	16.5	16.3	26.5	26.4	26.3	26.2	26.1	25.9	18.8	22.0	21.3	18.9	18.8	18.7	30.8	30.7	30.6	30.4	30.2	Ss = 1.25	2.3		3.8	3.9	4.2	4.7	4.8	4.9	4.9	4.9	4 1 2	1 8	0.1	Ground Snow Load * This table is not
= 30 f	Zone 3	-50.3	-46.7	-46.7	-46.7	-46.7	-46.8	-21.0	-21.0	-21.1	-21.1	C 1.C-	-21.2	-71.0	-65.8	-65.8		6.59-	-65.9	-29.9	-29.9	-29.9	-30.0	-30.0	-30.1	-84.2	-78.1	-78.2	-78.2	-78.2	-78.3	-35.5	-35.6	-35.6	-35./	-35.7		2.1	3.0	3.7	3.7	0.4	45	4.6	4.7	4.8	4.8	4.X	1 6	D.1	inclusive of all areas within the state or region. The local
Bldg. Height = 30 ft.	Zone Z	-31.9	-30.1	-30.1	-30.1	-30.1	-30.2	-21.0	-21.0	-21.1	-21.1	- 1.2	-21.2	45.2	42.6	42.6	40.64	42.7	42.7	-29.9	-29.9	-29.9	-30.0	-30.0	-30.1	-53.7	-50.7	-50.7	-50.7	-50.7	-50.8	-35.5	-35.6	-35.6	-35./	-35.7	Ss = 0.5	1.7	2.5	3.2	3.2	0.0	4.1	4.2	4.3	4.4	4.4	4.4	0.0	7.T	wind speeds and snow loads should be independantly
ng d		-17.2		-15.3	-15.4	-15.4	-15.4	-17.3	-17.4	-17.4	-17.4	-17.5	-17.5	-24.5	-22.0	-22.0	0.22	-22.0	-22.1	-24.7	-24.7	-24.8	-24.8	-24.9	-24.9	-29.3	-26.2	-26.2	-26.3	-26.3	-26.3	-29.4	-29.5	-29.5	9.62-	-29.6		1.6	2.4	3.1	3.1	0 0 0	4.0	4.1	4.2	4.3	4.3	4.3		0.0	verifed for the specific install location.
t. Down(psf)	T	18.8	18.1	17.3	14.9	14.3	13.7	19.9	19.8	19.7	19.5	19.4	19.3	18.8	19.0	18.0	15.8	15.2	14.6	23.5	23.3	23.2	23.1	23.0	22.9	18.8	20.8	20.0	17.2	17.1	17.0	27.7	27.6	27.5		27.1	Ss = 0.3	1.5		3.0	3.0	3.4	0.00	4.0	4.1	4.1	4.2	4.2	C.U = 00	10	
= 15 f	Zone 3	-50.3	-46.7	-46.7	-46.7	-46.7	-46.8	-21.0	-21.0	-21.1	-21.1	- 21.2	-21.2	-61.4	-56.9	-56.9	0.72	-57.0	-57.0	-25.7	-25.8	-25.8	-25.9	-25.9	-25.9	-74.7	-69.2	-69.3	-69.3	-69.3	-69.4	-31.4	-31.5	-31.5	-31.6	-31.6	Ss = 0.2	1.3	2.1	3.0	2.9	2.2 9 P	0 00 0 00	3.9	4.0	4.1	4.1	÷ 1	2.0 - 0.2	c.0	
Bldg. Height	ZONE Z	-31.9	-30.1	-30.1	-30.1	-30.1	-30.2	-21.0	-21.0	-21.1	-21.1	-21.2	-21.2	-39.0	-36.8	36.8	36.95	-36.9	-36.9	-25.7	-25.8	-25.8	-25.9	-25.9	-25.9	-47.5	-44.8	-44.9	-44.9	-44.9	-45.0	-31.4	-31.5	-31.5	-31.6	-31.6	Ss = 0.1	1.1	2.1	3.0	2.9	2.2 7 C	3.8	3.9	4.0	4.1	4.1	4.1	T'D - 00	7.0	
Up P	ZONE 1	-17.2	-15.3	-15.3	-15.4	-15.4	-15.4	-17.3	-17.4	-17.4	-17.4	-17.5	-17.5	-21.1	-18.9	-18.9	18.0	-19.0	-19.0	-21.3	-21.3	-21.4	-21.4	-21.4	-21.5	-25.8	-23.1	-23.2	-23.2	-23.2	-23.3	-26.0	-26.1	-26.1	1.02-	-26.2		1.1	2.1	3.0	2.9	3.3	0. 00 0. 00	3.9	4.0	4.1	4.1	÷.		0.0	
	Root Pitch	1:12	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	10:12	11:12	12:12	112	2:12	3-12	21.0	5:12	6:12	7:12	8:12	9:12	10:12	11:12	12:12	1:12	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	21:01	12:12	Roof Pitch	1:12	2:12	3:12	4:12	5:12	7:12	8:12	9:12	10:12	11:12	71:71		_1	
				E	xpo	su	re (	Cat	ego	ory	В					E	xp	osu	re (	Cat	ego	ory	С					Ex	pos	sure	e Ca	ateg	gor	y D							Do	wn	Slo	pe							



PRESSURE TABLES	12
INSTALLATION GUIDE	PAGE

= 60 ft. Down(psf	one 3	-36.3 14.8	-33.6 14.4	-33.7 14.0		+	_	+	_		-	+	-15.2 14.8	-48.7 14.8				-	-20.3 13.U		-		_	ł	-	-	-	-52.6 14.0 E2.6 12.0	-52.7 13.8					-23.9 21.5	3	4	ŝ	+	<del>م</del> •	0.0 9.0	5.5 6.3	-	و و	5.8 6.6	5.9 6.6	- S S	4			Ca
Bldg. Height = 60 ft.	Zone 2 Zor	-22.9 -3	-	-21.6 -3	-	+	-		-	-			-15.2 -1	-30.9					4 7.67-		-		_		-	-			-34.0 -5	Ľ				-23.9 -2	l s			+	4.2	_	4.8	-	0		-	2.0 Ss	2.9			1
	Zone 1	-12.1	-10.8	-10.8	-10.9	-10.9	-10.9	-12.3	-12.4	-12.4	-12.4	-12.5	-12.5	-16.6	-14.8	-14.8	-14.8	-14.9	-16.7	-16.8	-16.8	-16.9	-16.9	-16.9	-19.4	-17.4	-17.4	-17.4	-17.5	-19.6	-19.6	-19.7	-19.7	-19.8	Ss = 1.5	2.5	2.9	3.4	3.5 0	3.8	4.2	4.4	4.5	4.6	4.7	Ss = 1.5	2.2			Bas
ft. Down (psf)		14.8	14.4	14.0	13.2	13.2	13.0	13.3	13.2	13.0	12.9	12.8	12.7	14.8	14.4	14.0	13.2	13.2	17.3	17.1	17.0	16.9	16.8	16.7	14.8	14.4	14.0	13.2	13.0	19.8	19.7	19.6	19.4	19.3	Ss = 1.25	2.1	2.6	3.1	3.2	2.5 8 8	4.0	4.1	4.2	4.3	4.4	Ss = 1.25	1.8		*	Gro
ght = 30 ft.	Zone 3	-29.7	-27.5	-27.5	-27.5	-27.6	-27.6		-12.2	-12.2	-12.3	-12.3	-12.4	-42.1	-39.0	-39.0	-39.0	-39.1	- 17 5	-17.5	-17.6	-17.6	-17.6	-17.7	-50.0	-46.4	-46.4	-40.4	-46.5	-20.9	-20.9	-21.0	-21.0	-21.0	Ss = 1.0	1.9	2.4	2.9	3.1	3.6	9.0 9.0	4.0	4.1	4.2	4.2	Ss= 1.0	1.6	v. r	re	lusi thi egic
Bldg. Height	Zone 2 Z	-18.6	-17.5	-17.6	-17.6	-17.6	-17.7	-12.2	-12.2	-12.2	-12.3	-12.3	-12.4	-26.6	-25.1	-25.1	-25.1	-25.1	175	-17.5	-17.6		-17.6	-17.7	-31.7	-29.9	-29.9	6.62-	-30.0	-20.9	-20.9	-21.0	-21.0	-21.0	Ss = 0.5	1.4	2.0	2.5	2.6	2.2	3.4	5.0	3.7	3.8	3.8 9.6	Ss= 0.5	1.0	sno	ov ii	
8 9	Zone 1	9.6-	-8.7	-8.7	-8.7	8. 8	-8.8 9.8	6.6-	-10.0	-10.0	-10.1	-10.1	-10.2	-14.2	-12.7	-12.7	-12.7	-12.7	-14.4	-14.4	-14.5	-14.5	-14.5	-14.6	-17.0	-15.2	-15.2	-15.3	-15.3	-17.2	-17.3	-17.3	-17.3	-17.4		1.3	1.9	2.4	2.5	2.2	3.3	3.4	3.6	3.7	3.7	Ss = 0.4	6.0			spe
ft. Down(psf)		14.8	14.4	14.0	13.2	13.2	13.0	13.3	13.2	13.0	12.9	12.8	12.7	14.8	14.4	14.0	13.2	13.2	15.0	15.3	15.2	15.0	14.9	14.8	14.8	14.4	14.0	13.2	13.0	18.0	17.8	17.7	17.6	17.4	Ss = 0.3	1.1	1.7	2.2	2.4	0.0	3.1	3.3	3.4	3.5	3.6	Ss = 0.3	0.7			
(ht = 15 ft.	Zone 3	-29.7	-27.5	-27.5	-27.5	-27.6	-27.6	-12.2	-12.2	-12.2	-12.3	-12.3	-12.4	-36.3	-33.6	-33.7	-33.7	-33.7	-15.0	-15.0	-15.1	-15.1	-15.2	-15.2	-44.3	-41.0	41.1	-41.1	-41.2	-18.4	-18.5	-18.5	-18.5	-18.6	Ss = 0.2	1.0	1.6	2.0	2.2	C.2	3.0	3.1	3.3	3.4	3.5		-			
Bldg. Height	Zone 2 Z	-18.6	-17.5	-17.6	-17.6	-17.6	-17.7	-12.2	-12.2	-12.2	-12.3	-12.3	-12.4	-22.9	-21.6	-21.6	-21.6	-21.6	-15.0	-15.0	-15.1	-15.1	-15.2	-15.2	-28.0	-26.4	-26.4	-26.4	-26.5	-18.4	-18.5	-18.5	-18.5	-18.6	Ss = 0.1	0.8	1.4	1.9	2.0	2.4	2.9	3.0	3.2	3.3	3.4	Ss = 0.1	0.2			
an Up	Zone 1	-9.8	-8.7	-8.7	-8.7	8.8 8	8.8 9	-9.9	-10.0	-10.0	-10.1	-10.1	-10.2	-12.1	-10.8	-10.8	-10.9	-10.9	-10.3	-12.4	-12.4	-12.4	-12.5	-12.5	-15.0	-13.4	-13.4	-13.4	-13.5	-15.2	-15.2	-15.2	-15.3	-15.4	Ss = 0.0	0.7	1.4	1.9		2.4	2.9	3.0	3.2	3.3	3.3	Ss = 0.0	0.0			
	Roof Pitch	1:12	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	10:12	11:12	12:12	1:12	2:12	3:12	4:12	5:12	21:0	8:12	9:12	10:12	11:12	12:12	1:12	2:12	3:12	4:12	5:12	7:12	8:12	9:12	10:12	11:12	Roof Pitch	1:12	2:12	3:12	4:12	5:12	7:12	8:12	9:12	10:12	11:12					
	1			Ex	pos	sure	e Ca	ate	goi	ry B	3		T			Ex	pos	ure	Cat	tego	ory	С		T			Exp	osu	ire (	Cat	ego	ry [	)		╢╴				Do	wn	Slo	pe								



PRESSURE TABLES	13
INSTALLATION GUIDE	PAGE

Contact         Contact <t< th=""><th></th><th></th><th>8</th><th>dg. Heig</th><th>Bldg. Height = 15 ft.</th><th>t. Down(nef)</th><th>8</th><th>dg. Heig</th><th>Bldg. Height = 30 ft.</th><th>ft. Down (nef)</th><th></th><th>Bldg. Height =</th><th>ht = 60 ft.</th><th>t. Downfreft</th></t<>			8	dg. Heig	Bldg. Height = 15 ft.	t. Down(nef)	8	dg. Heig	Bldg. Height = 30 ft.	ft. Down (nef)		Bldg. Height =	ht = 60 ft.	t. Downfreft
	-	Roof Pitch	Zone 1	Zone 2	Zone 3	/ isod him more	Zone 1	Zone 2	Zone 3	fiedt insort	Zone 1	Zone 2	Zone 3	fied) in more
ACC         1-10		1:12	-10.8	-20.5	-32.6	14.8	-10.8	-20.5	-32.6	14.8	-13.4	-25.1	-39.8	14.8
ASCE         1-10 <th< td=""><td></td><td>2:12</td><td>-9.6</td><td>-19.3</td><td>-30.2</td><td>14.4</td><td>-9.6</td><td>-19.3</td><td>-30.2</td><td>14.4</td><td>-11.9</td><td>-23.7</td><td>-36.9</td><td>14.4</td></th<>		2:12	-9.6	-19.3	-30.2	14.4	-9.6	-19.3	-30.2	14.4	-11.9	-23.7	-36.9	14.4
	Ev	3:12	-9.6	-19.3	-30.2	14.0	-9.6	-19.3	-30.2	14.0	-12.0	-23.7	-36.9	14.0
	(DO	4:12	-9.7	-19.3	-30.2	13.2	-9.7	-19.3	-30.2	13.2	-12.0	-23.7	-36.9	13.2
Value         0.1 <th0.1< th=""> <th0.1< td="" th<=""><td></td><td>5:12</td><td>-9.7</td><td>-19.4</td><td>-30.2</td><td>13.2</td><td>-9.7</td><td>-19.4</td><td>-30.2</td><td>13.2</td><td>-12.0</td><td>-23.8</td><td>-37.0</td><td>13.2</td></th0.1<></th0.1<>		5:12	-9.7	-19.4	-30.2	13.2	-9.7	-19.4	-30.2	13.2	-12.0	-23.8	-37.0	13.2
ASCE         101 <td>~ (</td> <td>6:12</td> <td>-9.7</td> <td>-19.4</td> <td>-30.3</td> <td>13.0</td> <td>-9.7</td> <td>-19.4</td> <td>-30.3</td> <td>13.0</td> <td>-12.1</td> <td>-23.8</td> <td>-37.0</td> <td>13.0</td>	~ (	6:12	-9.7	-19.4	-30.3	13.0	-9.7	-19.4	-30.3	13.0	-12.1	-23.8	-37.0	13.0
Subs         110         111         112         113         114         115         115         116         115         116         116         117         116 <td>ata</td> <td>7:12</td> <td>-11.0</td> <td>-13.4</td> <td>-13.4</td> <td>14.2</td> <td>-11.0</td> <td>-13.4</td> <td>-13.4</td> <td>14.2</td> <td>-13.6</td> <td>-16.5</td> <td>-16.5</td> <td>16.5</td>	ata	7:12	-11.0	-13.4	-13.4	14.2	-11.0	-13.4	-13.4	14.2	-13.6	-16.5	-16.5	16.5
Solution		8:12	-11.0	-13.4	-13.4	14.1	-11.0	-13.4		14.1	-13.6	-16.5	-16.5	16.4
ASCE         210         1111         111         111         111 </td <td>ny D</td> <td>9:12</td> <td>-11.1</td> <td>-13.5</td> <td>-13.5</td> <td>14.0</td> <td>-11.1</td> <td>-13.5</td> <td>-13.5</td> <td>14.0</td> <td>-13.6</td> <td>-16.6</td> <td>-16.6</td> <td>16.3</td>	ny D	9:12	-11.1	-13.5	-13.5	14.0	-11.1	-13.5	-13.5	14.0	-13.6	-16.6	-16.6	16.3
ASCE         1111         111         111         111 </td <td></td> <td>10:12</td> <td>-11.1</td> <td>-13.5</td> <td>-13.5</td> <td>13.8</td> <td>-11.1</td> <td>-13.5</td> <td>-13.5</td> <td>13.8</td> <td>-13.7</td> <td>-16.6</td> <td>-16.6</td> <td>16.2</td>		10:12	-11.1	-13.5	-13.5	13.8	-11.1	-13.5	-13.5	13.8	-13.7	-16.6	-16.6	16.2
Stat         Name         Stat         Stat <th< td=""><td>- 1</td><td>11:12</td><td>-11.1</td><td>-13.6</td><td>-13.6</td><td>13.7</td><td>-11.1</td><td>-13.6</td><td>-13.6</td><td>13.7</td><td>-13.7</td><td>-16.7</td><td>-16.7</td><td>16.0</td></th<>	- 1	11:12	-11.1	-13.6	-13.6	13.7	-11.1	-13.6	-13.6	13.7	-13.7	-16.7	-16.7	16.0
	T	12:12	-11.2	-13.6	-13.6	13.6	-11.2	-13.6	-13.6	13.6	-13.8	-16.7	-16.7	15.9
		1:12	-13.4	-25.1	-39.8	14.8	-15.6	-29.2	-46.1	14.8	-18.2	-33.8	-53.4	14.8
111         120         130         140         170         130         140         170         130         140         170         130         140         170         140 <td></td> <td>2:12</td> <td>-11.9</td> <td>-23.7</td> <td>-36.9</td> <td>14.4</td> <td>-14.0</td> <td>-27.5</td> <td>-42.7</td> <td>14.4</td> <td>-16.3</td> <td>-31.9</td> <td>-49.5</td> <td>14.5</td>		2:12	-11.9	-23.7	-36.9	14.4	-14.0	-27.5	-42.7	14.4	-16.3	-31.9	-49.5	14.5
110       217       310       132       140       275       428       132       166       320       325       326       325       326       325       326       3	L	3:12	-12.0	-23.7	-36.9	14.0	-14.0	-27.5		14.0	-16.3	-31.9	-49.5	14.1
120         238         370         132         140         276         428         133         186         184         233         185         184         233         185         184         233         185         184         233         185         184         233         185         184         233         185         184         233         185         234         223 <td>VDC</td> <td>4:12</td> <td>-12.0</td> <td>-23.7</td> <td>-36.9</td> <td>13.2</td> <td>-14.0</td> <td>-27.5</td> <td>-42.8</td> <td>13.2</td> <td>-16.3</td> <td>-32.0</td> <td>-49.5</td> <td>13.4</td>	VDC	4:12	-12.0	-23.7	-36.9	13.2	-14.0	-27.5	-42.8	13.2	-16.3	-32.0	-49.5	13.4
Image: constraint of the		5:12	-12.0	-23.8	-37.0	13.2	-14.0	-27.6	-42.8	13.2	-16.4	-32.0	-49.5	13.3
Subset         Contract of the	0 (	6:12	-12.1	-23.8	-37.0	13.0	-14.1	-27.6	-42.8	13.0	-16.4	-32.0	-49.6	13.2
ACCE         131         132         132         132         133 <td>`at/</td> <td>7:12</td> <td>-13.6</td> <td>-16.5</td> <td>-16.5</td> <td>16.5</td> <td>-15.8</td> <td>-19.2</td> <td>-19.2</td> <td>18.6</td> <td>-18.4</td> <td>-22.3</td> <td>-22.3</td> <td>20.9</td>	`at/	7:12	-13.6	-16.5	-16.5	16.5	-15.8	-19.2	-19.2	18.6	-18.4	-22.3	-22.3	20.9
ACCE         1112 <th< td=""><td>000</td><td>8:12</td><td>-13.6</td><td>-16.5</td><td>-16.5</td><td>16.4</td><td>-15.9</td><td>-19.2</td><td>-19.2</td><td>18.4</td><td>-18.4</td><td>-22.3</td><td>-22.3</td><td>20.8</td></th<>	000	8:12	-13.6	-16.5	-16.5	16.4	-15.9	-19.2	-19.2	18.4	-18.4	-22.3	-22.3	20.8
10112       137       1-16       166       167       150 <t< td=""><td>rv (</td><td>9:12</td><td>-13.6</td><td>-16.6</td><td>-16.6</td><td>16.3</td><td>-15.9</td><td>-19.3</td><td>-19.3</td><td>18.3</td><td>-18.5</td><td>-22.4</td><td>-22.4</td><td>20.6</td></t<>	rv (	9:12	-13.6	-16.6	-16.6	16.3	-15.9	-19.3	-19.3	18.3	-18.5	-22.4	-22.4	20.6
111:12     -137     -167     160     -160     -160     -160     -160     -194     191     -194     191     -191     272     273     271     271     271     271     271     271     271     271     272     273     271     271     272     272     273     271     271     271     271     271     271     272     272     272     272     272     273     271     272     272     272     272     273     271     272     272     271     271     272     272	-	10:12	-13.7	-16.6	-16.6	16.2	-15.9	-19.3	-19.3	18.2	-18.5	-22.4	-22.4	20.5
12:12       -138       -167       15.0       -194       -194       179       -186       -2.55       2.25 <th2.25< th="">       2.25       2.25</th2.25<>		11:12	-13.7	-16.7	-16.7	16.0	-16.0	-19.4	-19.4	18.1	-18.6	-22.5	-22.5	20.4
111         112         165         307         485         148         187         348         183         133         131         133         233         433         131         133         131         133         131 <td>T</td> <td>12:12</td> <td>-13.8</td> <td>-16.7</td> <td>-16.7</td> <td>15.9</td> <td>-16.0</td> <td>-19.4</td> <td>-19.4</td> <td>17.9</td> <td>-18.6</td> <td>-22.5</td> <td>-22.5</td> <td>20.3</td>	T	12:12	-13.8	-16.7	-16.7	15.9	-16.0	-19.4	-19.4	17.9	-18.6	-22.5	-22.5	20.3
2:12       :147       :290       450       144       :168       :328       :508       1437       :372       :575       153         3:12       :148       :290       450       14,0       :168       :328       :509       1337       :911       :372       :576       14,6         5:12       :148       :290       451       13.2       :168       :229       :509       1337       :911       :372       :576       14,6         7:12       :168       :201       :202       :193       :181       :210       :229       :230       :211       :212       :216       :223       :231       :141       :261       :260       :231       :241       :261       :261       :261       :232       :231       :231       :231       :231       :231       :231       :231       :231       :231       :211       :211       :21		1:12	-16.5	-30.7	-48.5	14.8	-18.7	-34.8	-54.8	14.8	-21.3	-39.4	-62.1	14.8
312       14.8       290       45.0       14.0       16.8       32.8       -50.0       13.7       -15.8       37.2       57.16       14.3         512       14.8       290       45.0       13.2       -16.8       32.9       -50.9       13.7       -15.1       37.3       57.7       14.8         512       -14.9       290       45.0       13.0       -16.8       32.9       -50.9       13.7       -17.1       37.3       57.7       14.8       -17.1       21.7       2.60       23.7       35.7       14.8       2.91       2.7       2.61       2.7       2.61       2.7       2.61       2.7       2.61       2.7       2.61       2.7       2.61       2.7       17.1       2.1       2.1       2.7       2.61       2.7       2.61       2.7       2.61       2.7       2.61       2.7       2.61       2.7       2.61       2.7       2.61       2.7       2.61       2.7       2.61       2.7       1.61       1.7       1.9       2.61       2.7       2.61       2.61       2.7       1.61       1.7       1.61       1.7       1.61       1.7       1.61       1.7       1.61       1.7       1.9       1		2:12	-14.7	-29.0	-45.0	14.4	-16.8	-32.8	-50.8	14.7	-19.1	-37.2	-57.5	15.7
412       -148       -290       450       132       -168       -328       -500       132       -153       -375       577       148         512       -148       2201       450       132       -169       231       251       241       373       374       386       443       373       374       386       443       371       316       101       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10 <td>Ev</td> <td>3:12</td> <td>-14.8</td> <td>-29.0</td> <td>-45.0</td> <td>14.0</td> <td>-16.8</td> <td>-32.8</td> <td>-50.8</td> <td>14.3</td> <td>-19.1</td> <td>-37.2</td> <td>-57.6</td> <td>15.3</td>	Ev	3:12	-14.8	-29.0	-45.0	14.0	-16.8	-32.8	-50.8	14.3	-19.1	-37.2	-57.6	15.3
Acce       143       2-20       4-51       132       -16       -20-       4-51       131       -10-       -20-       -20-       -20-       -20-       -20-       -20-       -20-       -20-       -20-       -20-       -20-       -20-       -20-       -10-       -20- <th< td=""><td>200</td><td>4:12</td><td>-14.8</td><td>-29.0</td><td>-45.0</td><td>13.2</td><td>-16.8</td><td>-32.8</td><td>-50.9</td><td>13.7</td><td>-19.1</td><td>-37.2</td><td>-57.6</td><td>15.0</td></th<>	200	4:12	-14.8	-29.0	-45.0	13.2	-16.8	-32.8	-50.9	13.7	-19.1	-37.2	-57.6	15.0
6-12       -149       -291       451       130       -163       -292       -503       291       -173       -573       -573       -573       -573       -573       -571       -168       -201       130       -131       -131       -131       -211       -215       -260       261       233         912       -168       -203       191       -190       -231       -233       231       211       251       261       234         912       -168       -203       203       191       -191       -231       231       211       261       261       234         111:12       -168       -204       190       -231       -231       231       201       23		5:12	-14.8	-29.0	-45.1	13.2	-16.8	-32.9	-50.9	13.6	-19.2	-37.3	-57.6	14.9
712 $1.67$ $2.02$ $1.92$ $1.92$ $2.29$ $2.212$ $2.16$ $2.61$		6:12	-14.9	-29.1	-45.1	13.0	-16.9	-32.9	-50.9	13.5	-19.2	-37.3	-57.7	14.8
8:12       -167       -203       192       -190       -2310       -2330       -2310       -2310       -2311       -2116       -26:1	-	7:12	-16.7	-20.2	-20.2	19.3	-18.9	-22.9	-22.9	21.3	-21.5	-26.0	-26.0	23.7
4.10       1.112       1.23       1.23       1.23       2.11       2.21       2.262		8:12	-16.7	-20.3	-20.3	19.2	-19.0	-23.0	-23.0	21.2	-21.6	-26.1	-26.1	23.6
10:12       -16.8       -20.4       -20.4       19.0       -23.1       23.1       20.2       -26.2       23.2         11:1:12       -16.8       -20.4       -20.4       19.0       -23.1       -23.1       20.9       -21.7       -26.2       23.2         11:1:12       -16.9       -20.4       -20.4       18.8       -19.1       -23.1       -20.1       -26.2       23.2         Roof Park       58=0.0       58=0.1       58=0.1       58=0.1       58=0.1       28=0.2       26.2       23.2         2:12       1:12       1.0       1.1       1.3       1.4       1.5       1.3       2.0       4.0       4.8       5.5       2.5       3.2       3.2       3.2       3.2       3.2       3.2       3.2       3.2       3.2       3.2       3.2       3.2       3.2       4.4       5.1       6.0       4.0       4.9       5.1       6.0       5.0       5.0       5.2       5.2       2.2		9:12	-16.8	-20.3	-20.3	19.1	-19.0	-23.0	-23.0	21.1	-21.6	-26.1	-26.1	23.4
111:1       1:1:1:1:1       1:1:1       1:1:1	_	10:12	-16.8	-20.4	-20.4	19.0	-19.0	-23.0	-23.0	21.0	-21.6	-26.2	-26.2	23.3
ASCE       1-10       2-10       -20-4       20-1       -20		11:12	-16.8	-20.4	-20.4	18.8	-19.1	-23.1	-23.1	20.9	-21.7	-26.2	-26.2	23.2
ASCE       1112       0.0 <th0.0< th="">       0.0       <th0< td=""><td>┨┢</td><td>71:71</td><td></td><td>-20.4</td><td>-20.4</td><td>×</td><td>1.91-</td><td>- I (</td><td></td><td>SO.</td><td></td><td>0.7</td><td>0.0</td><td>23.1</td></th0<></th0.0<>	┨┢	71:71		-20.4	-20.4	×	1.91-	- I (		SO.		0.7	0.0	23.1
1112       0.1       0.1       0.1       1.1 <th< td=""><td></td><td>Roof Pitch</td><td></td><td>Ss = 0.1</td><td>Ss = 0.2</td><td>н.,</td><td>Ss = 0.4</td><td>ö.</td><td>-i (</td><td>-i •</td><td>Ss = 1.</td><td>i s</td><td>è.</td><td>Ss = 3.1</td></th<>		Roof Pitch		Ss = 0.1	Ss = 0.2	н.,	Ss = 0.4	ö.	-i (	-i •	Ss = 1.	i s	è.	Ss = 3.1
A:12       1.0       1.0       2.0 <th< td=""><td></td><td>21:1</td><td>1.0</td><td>0.8</td><td>1.6</td><td>1.1</td><td>10</td><td>1.4</td><td>5.1 V</td><td>2.1</td><td></td><td>3.5</td><td>4.0</td><td>4, n 0, 1</td></th<>		21:1	1.0	0.8	1.6	1.1	10	1.4	5.1 V	2.1		3.5	4.0	4, n 0, 1
ASCE       2.0       2.0       2.0       2.0       2.0       2.0       2.0       2.0       2.0       2.0       2.1       2.0       2.1		3:12	1 0	1 0	0.4	2.2	40	2.5	5.0	3.1	4.5	ο. σ	4.6	1 5
111       1	-	4:12	2.0	2.0	2.2	2.4	2.5	2.6	3.1	3.2	3.5	4.2	4.9	0 80 10 10
2.12       2.13       2.13       2.14       2.15       2.15       2.16       2.10         2.13       2.14       2.15       2.15       2.16       2.17       2.16       2.10         2.15       2.15       2.15       2.15       2.16       2.17       2.16       2.16       2.16         2.15       2.16       2.17       2.17       2.16       2.17       2.17       2.10         2.15       2.17       2.17       2.17       2.17       2.17       2.17       2.10         2.15       2.17       2.17       2.17       2.17       2.17       2.17       2.17       2.17         2.17       2.17       2.17       2.17       2.17       2.17       2.17       2.10         2.17       2.17       2.17       2.17       2.17       2.17       2.17       2.10         2.17       2.17       2.17       2.17       2.17       2.17       2.17       2.10         2.17       2.17       2.17       2.17       2.17       2.17       2.17       2.10         2.110       2.17       2.17       2.17       2.17       2.17       2.17       2.17       2.17       2.17		5:12	2.4	2.4	2.5	2.7	2.8	2.9	3.4	3.5	3.8	4.4	5.1	6.0
7:12       7:12       7:13       7:13       7:14       7:15       7:10         8:15       7:0       7:1       7:1       7:1       7:1       7:1       7:1         8:17       7:0       7:1       7:1       7:1       7:1       7:1       7:1         9:12       7:0       7:1       7:1       7:1       7:1       7:1       7:1         9:13       7:0       7:1       7:1       7:1       7:1       7:1       7:1       7:1         9:14       1:15       7:1       7:1       7:1       7:1       7:1       7:1       7:1       7:1         9:15       7:1 <td>- C</td> <td>6:12</td> <td>2.7</td> <td>2.7</td> <td>2.8</td> <td>2.9</td> <td>3.1</td> <td>3.2</td> <td>3.6</td> <td>3.8</td> <td>4.0</td> <td>4.6</td> <td>5.3</td> <td>6.2</td>	- C	6:12	2.7	2.7	2.8	2.9	3.1	3.2	3.6	3.8	4.0	4.6	5.3	6.2
8:12       3:0       3:12       3:1 <td< td=""><td></td><td>7:12</td><td>2.9</td><td>2.9</td><td>3.0</td><td>3.1</td><td>3.3</td><td>3.4</td><td>3.8</td><td>4.0</td><td>4.2</td><td>4.8</td><td>5.5</td><td>6.3</td></td<>		7:12	2.9	2.9	3.0	3.1	3.3	3.4	3.8	4.0	4.2	4.8	5.5	6.3
3.3       3.3       3.4       4.6       9.9       9.9       9.9       9.5       9.7       9	_	8:12	3.0	3.0	3.1	3.3	3.4	3.5	4.0	4.1	4.4	4.9	5.6	6.5
3:3       3:3       3:5       9:6       6:6       7-10         ASCE       7-10       7-10       7-10       7-10         ASCE       7-10       7-10       7-10       7-10         ASCE       7-10       7-10       7-10       7-10         Basic Wind Speed       8-10       9-10       9-10       9-10         Basic Wind Speed       9-10       9-10       9-10       9-10         Basic Wind Speed       9-10       9-10       9-10	- 1	9:12	3.2	3.2	3.3	3.4	3.6	3.7	4.1	4.2	4.5	5.0	5.7	6.5
8:8       3:7       5:8       3:7       5:8       7:10         ASCE       7-10         ASCE       7-10         Basic Wind Speed       5:7       5:7       5:7         7:7       5:7       5:7       7:7       5:7         7:7       5:7       5:7       7:7       7:7         8:8       5:7       5:7       7:7       7:8         7:7       7:7       7:7       7:7       7:7         8:8       7:7       7:7       7:7       7:7         7:7       7:7       7:7       7:7       7:7         8:8       7:7       7:7       7:7       7:7         7:9       7:7       7:7       7:7       7:7         7:7       7:7       7:7       7:7       7:7         8:8       7:7       7:7       7:7       7:7         8:9       7:0       7:0       7:0       7:0       7:0         7:0       7:0       7:0       7:0       7:0       7:0         7:0       7:0       7:0       7:0       7:0       7:0         8:0       7:0       8:0       7:0       8:0       7:0       7:		10:12		3.3	3.4	3.5	3.7	3.8	4.2	4.3	4.6	5.1	5.8	6.6
ASCE 7-10 ASCE 7-10 ASCE 7-10 ASCE 7-10 ASCE 7-10 ASCE 7-10 ASCE 7-10 ASCE 7-10 ASCE 7-10 Basic Wind Speed S psf Ground Snow Load * This table is not inclusive of all areas within the state or region. The local wind speeds and snow loads should be independantly verifed for the specific install location.		21:11		2.2 V C	ν.υ υ	0.0	7.5	x. x	4.4	4.4	4.6	2.2	ר ט. ס	0.0
ASCE 7-10 ASCE 7-10 ASCE 7-10 ASCE 7-10 ASCE 7-10 Basic Wind Speed Spsf Ground Snow Load * This table is not inclusive of all areas within the state or region. The local wind speeds and snow loads should be independantly verifed for the specific install location. CO CO CO	1.	4	Ss = 0.0	Ss = 0.1	Ss = 0.2	Sc = 0.3	Ss = 0.4	Ss = 0.5	Ss = 1.0	Ss = 1.25	Ss = 1.5	<u> </u>	Ss = 2.5	5 1
ASCE 7-10 115 mph Basic Wind Speed 5 psf Ground Snow Load * This table is not inclusive of all areas within the state or region. The local wind speeds and snow loads should be independantly verifed for the specific install			0.0	0.2	0.5	0.7	<b>0</b> .0	1.0	1.6	1.8	2.2	6.0	3.6	- <del></del>
7-10 ph speed is not ill areas tate or e local is and hould be antly r the stall							specific in	snow loads sh independa	within the strength of the str	Ground Snov * This table			ASCE	Southwe
							stall	ould be antly	tate or e local	is not			7-10	est*

Lateral



PRESSURE TABLES	14
INSTALLATION GUIDE	PAGE

TT. Down(psf)		18.5	17.8	17.0	14.6	14.0	13.4	20.2	20.1	20.0	19.8	19.7	19.6	18.5	19.9	19.2	16.7	16.2	15.9	25.8	25.6	25.5	25.4	25.3	25.2	18.5	21.4	20.6	18.1	17.0	5.05	29.2	29.1	29.0	28.9	28.7	S	4.8	5.2	0.0	6.2	6.5	6.6	6.7	6.8	6.8	6.7	Ss = 3.1	-f	East Coast (Lov Snow)*
osf) Do TT.	Zone 3	-51.2	-47.5	-47.5	-47.5	-47.6	-47.6	-21.4	-21.4	-21.5	-21.5	-21.6	-21.6	-68.5	-63.6	-63.6	-63.6	-63.6	-63.7	-28.8	-28.9	-28.9	-28.9	-29.0	-29.0	-79.7	-73.9	-73.9	-73.9	-74.0	-/4.0	-33.6	-33.7	-33.7	-33.7	-33.8	Ss = 2.5	4.0		2.2	5.6		6.0	6.1	6.2	6.2	0.1	Ss = 2.5	9.0	ASCE 7-10
bldg. Height = Jp Pressures (psf)	Zone 2 Z	-32.5	-30.6	-30.6	-30.7	-30.7	-30.7	-21.4	-21.4	-21.5	-21.5	-21.6	-21.6	-43.6	-41.1	-41.1	-41.2	-41.2	-41.2	-28.8	-28.9	-28.9	-28.9	-29.0	-29.0	-50.7	-47.9	47.9	-47.9	48.0	-48.0	-33.6	-33.7	-33.7	-33.7	-33.8	Ss = 2.0		4.0	4.7	5.0	5.3	5.5	5.6	5.6	5.7	5.6	Ss = 2.0	5.9	130 mph
<b>B</b> 9	Zone 1	-17.5	-15.6	-15.6	-15.7	-15.7	-15.7	-17.6	-17.7	-17.7	-17.8	-17.8	-17.8	-23.7	-21.2	-21.2	-21.2	-21.3	-21.3	-23.8	-23.9	-23.9	-23.9	-24.0	-24.0	-27.6	-24.7	-24.8	-24.8	-24.8	2.42- 0.70	-27.8	-27.9	-27.9	-28.0	-28.0	Ss = 1.5	2.6	3.4	4.1	4.5	4.7	4.9	5.1	5.1	5.2	2.2	Ss = 1.5	2	Basic Wind Speed
L. Down (psf)		18.5	17.8	17.0	14.6	14.0	13.4	17.2	17.1	17.0	16.9	16.7	16.6	18.5	18.7	17.9	15.5	14.9	14.4	22.8	22.7	22.5	22.4	22.3	22.2	18.5	20.2	19.4	16.6	16.3	797	26.2	26.1	26.0	25.9	25.8		2.3	3.1	0.0	4.2	4.5	4.7	4.8	4.9	4.9	4.9	Ss = 1.25	00	Ground Snow Loan
sf) = 201	one 3	-42.0	-38.9	-38.9	-38.9	-39.0	-39.0	-17.4	-17.5	-17.5	-17.5	-17.6	-17.6	-59.3	-55.0	-55.0	-55.0	-55.0	-55.1	-24.8	-24.9	-24.9	-25.0	-25.0	-25.0	-70.4	-65.3	-65.3	-65.3	-65.4	4.00-	-29.6	-29.7	-29.7	-29.8	-29.8	Ss = 1.0	2.1	0.0	3.7	4.0	4.3	4.5	4.6	4.7	4.8	4.8	0		inclusive of all ar within the state region. The loc
DIGE. TEIBIT = 30 IL	Zone 2 Zo	-26.5	-25.0	-25.0	-25.0	-25.1	-25.1		-17.5	-17.5	-17.5	-17.6	-17.6	-37.6	-35.5	-35.5	-35.5	-35.6	-35.6	-24.8	-24.9	-24.9	-25.0	-25.0	-25.0	-44.8	-42.2	42.3	-42.3	42.3	47.4	-29.6	-29.7	-29.7	-29.8	-29.8	Ss = 0.5		2.5	3.2	3.6	3.9	4.1	4.2	4.3	4.4	4.4	Ss = 0.5	1.0	wind speeds ar snow loads shoul independantl
Up Pre:	Zone 1	-14.2	-12.6	-12.7	-12.7	-12.7	-12.8	-14.3	-14.4	-14.4	-14.5	-14.5	-14.5	-20.3	-18.2	-18.2	-18.2	-18.3	-18.3	-20.5	-20.6	-20.6	-20.6	-20.7	-20.7	-24.3	-21.8	-21.8	-21.8	-21.9	5.12-	-24.5	-24.6	-24.6	-24.6	-24.7	Ss = 0.4	1.6	2.4	3.1	3.5	3.8	4.0	4.1	4.2	4.3	43	Ss = 0.4	o	verifed for the specific instal location.
Down (psf)		18.5		17.0	14.6	14.0	13.4	17.2	17.1	17.0	16.9	16.7	16.6	18.5	17.8	17.0	14.6	14.0	13.4	20.2	20.1	20.0	19.8	19.7	19.6	18.5	19.1	18.3	15.5	15.0	14.8	23.7	23.5	23.4	23.3	23.2	Ss = 0.3		2.3	0.0	3.4	3.6	3.8	4.0	4.1	4.1	4.2	Ss = 0.3	ci.	
2	cone 3	-42.0	-38.9	-38.9	-38.9	-39.0	-39.0	-17.4	-17.5	-17.5	-17.5	-17.6	-17.6	-51.2	-47.5	-47.5	-47.5	-47.6	-47.6	-21.4	-21.4	-21.5	-21.5	-21.6	-21.6	-62.4	-57.8	-57.8	-57.9	-57.9	5.10	-26.2	-26.2	-26.3	-26.3	-26.4	Ss = 0.2	1.3	2.1	0.0	3.3	3.6	3.8	3.9	4.0	4.1	4.1	Ss = 0.2	0.5	
Pressures (p	Zone 2 Z	-26.5	-25.0	-25.0	-25.0	-25.1	-25.1	-17.4	-17.5	-17.5	-17.5	-17.6	-17.6	-32.5	-30.6	-30.6	-30.7	-30.7	-30.7	-21.4	-21.4	-21.5	-21.5	-21.6	-21.6	-39.6	-37.4	-37.4	-37.4	-37.6	C./2-	-26.2	-26.2	-26.3	-26.3	-26.4	Ss = 0.1	1.1	2.1	0.0	3.3	3.6	3.8	3.9	4.0	4.1	4.1	Ss = 0.1	- Cil	
	Zone 1	-14.2	-12.6	-12.7	-12.7	-12.7	-12.8	-14.3	-14.4	-14.4	-14.5	-14.5	-14.5	-17.5	-15.6	-15.6	-15.7	-15.7	-15.7	-17.6	-17.7	-17.7	-17.8	-17.8	-17.8	-21.4	-19.2	-19.2	-19.2	-19.3	-19.3	-21.7	-21.7	-21.7	-21.8	-21.8	Ss = 0.0			0.0	3.3	3.6	3.8	3.9	4.0	4.1	4.1	Ss = 0.0	0.0	
	Roof Pitch	1:12	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	10:12	11:12	12:12	1:12	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	10:12	11:12	12:12	1:12	2:12	3:12	4:12	5:12	21:0	8:12	9:12	10:12	11:12	12:12	Roof Pitch	1:12	2:12	4:12	5:12	6:12	7:12	8:12	9:12	10:12	12:12			
	æ			Ex	pos	sur	e Ca	ate	go	ry E	3					Ex	po	sur	e C	ate	go	ry C	2		T			Exp	oosi	ure	Cat	ego	ory	D			œ.			0	ow	n Sl	lop	e						