1)	LIMITS & REQUIRE HT-CLASS		FOR ALL COUNTIES	S WITH A MAXIMUM	I WIND SPEED UP TO	180	M.P.H.		THE			G CODE NOTICE following building code requirements r consulting engineens:	HT-CLASS TO	THICKNE	PAD SS (in) =	4
2)					D LEVEL. THIS TABLE			IPMENT,	HIR	RICHANE	1. Mechanical Volume This product is mar	, Section 304.10 – clearance from grade. le from a minimum 7000PSI concrete.	PAD MODEL#	WEIGHT		LENGTH
					ELEVATED ABOVE GRO ALS REMOVED PRIOR	-			HIGH WI	ND ZONE T-C	Calculated per the i	d load requirements have been lorida Building Code, Chapter 16. chment methods as indicated on	HT1840-4 HT2424-4	160 85	18 24	40 24
,		MUM SOIL COEFFIC			ALS REMOVED FRIOR	TO INSTALLATION	ON COMPACTED 3	OIL AS VERIFIED	INSTALLATION INSTR	₩175	MPH the engineering tables documentation, visit o or call 1-800-995-222	. For up to date calculations and ar website www.diversitech.com	HT2424-4 HT2436-4	120	24 24	24 36
,					M TO SPECIFICATION				HERS. 1. Choose acceptable	e equipment pad size and fastening i ad requirements in your area. Go to			HT3030-4	127	30	30
					ERSEDE HURRICANE				2. Level the pad on the	ment pad engineering tables. The ground and place equipment on the tent to the pad using the fastening m		DIVERSITECH	HT3232-4 HT3345-4	165 215	32 33	32 45
		,	,		RESS RESPONSIBILIT		(SE, TONNAGE, ETC.)	forth in the equipm			www.diversitech.com 6650 Sugarloaf Parkway Duluth, GA 30097 RM0186	HT3636-4	180	33 36	45 36
					NGINEER AND NOT TH		CORD.		11				HT3648-4	250	36	48
	,				ONSIBLE FOR THE INT		PORTING	M. M.			^		HT3852-4 HT4040-4	265 260	38 40	52 40
					OWN. USE OF THIS SF		PPORTING	DALLEN	Chill	EQUIPMENT			HT4242-4	265	40 42	40
					AGES INCLUDING LEG			P. LICENS	E. A.	\rightarrow			HT4558-4	350	45	58
			,	,	STRUCTION PRACTICE			<pre></pre>	17 11 1				ZHT3672* ZHT4080**	360 520	36 40	72 80
			, _		R ERRONEOUS OR INA		∃ ★	· NO. 000	'' `:★Ξ	$\langle \langle \rangle$,		ZHT4872***	500	48	72
					ORCES AND OTHER DE	SIGN CRITERIA.	= -	★	~ =				ZHT5890****	700	58	90
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,		ALLED DIRECTLY OF					1	A' A			\mathbf{X}					
		TO ACCOUNT FOR	,	,				CORIC	G		~ 4" FI	ROM				
		NOT SHOWN SHALL			ASIS. ID INVALIDATE THIS CE			// SIONAL	EN	F_	COR	NERS 1				
,					NS OR AFFIRMATIONS		10-0	ct /////	2020	\triangleleft						
			,		SIVE STRENGTH, f'c=7											
,					WORK UPON DISCOVE ND FABRICATION AND			Kanahlik	TILL							
	ENGINEERING DA								mand	112						
		()			20 HIGH VELOCITY HU					2 MIN		≻PAD \		ND LOAD CAI		
					COMBINATIONS), SECT LIPS. CENTER ALL EQ						-1 HURRICANI		Wind F = qz*G*Cf*Af (I	Speed V = 1		MPH *Af (Ibs)
,			()		IMUM OF 1" EMBEDME				,		PER SIDE (8) T		qz = 0.00256*Kz*K	• /		PSF
			()		, FOUR (4) PER LENG	()							Exposure C ; Table			
5)	RISK CATEGORY =	II TABLE 1604.5 - I	RISK CATEGORY OF	F BUILDINGS AND C	OTHER STRUCTURES,	SECTION 301.15 OF	THE MECHANICA	L CODE, WIND RESIS	STANCE, AND 553.84	4 OF THE FLORIDA	STATUTES STORM	LOSS MITIGATION.	Figure 26.	8-1 Kzt = 1	1.00	
Diver	siTech Corporation							SPECIAL PA	D CONFIG.				Table 26	6-1 Kd = (0.90	
	siTech Corporation Premiere Pkwy - S		CO RNIB ENO Solving Problems to N	GINEERING LLC Minimize the Stress of Doing Business	* INDICATES TV	VO HT3636-4 PADS	** INDICATES T	SPECIAL PA WO HT4040-4 PADS		5 TWO 3648-4 PADS	**** INDICATES	6 TWO 4558-4 PADS	Table 26. Figure 29	6-1 Kd = 0 9.5-1 Cf = 1		
3039 Dulutl	Premiere Pkwy - S h, GA 30097 (800	uite 600 0) 397-4823	Solving Problems to N	Minimize the Stress of Doing Business		A 36" x 72" SHAPE	USED I	WO HT4040-4 PADS N A 40" x 80" SHAPE	*** INDICATES	N A 48" x 72" SHAPE	USED II	N A 58" x 90" SHAPE	Figure 29		1.31	
3039 Duluti R	Premiere Pkwy - S h, GA 30097 (800 U	uite 600 0) 397-4823 NIT / EQUIPMEN	Solving Problems to M	EQUIPMENT		A 36" x 72" SHAPE	USED I	WO HT4040-4 PADS N A 40" x 80" SHAPE PAD USED	*** INDICATES USED IN	N A 48" x 72" SHAPE 180	USED II MPH	N A 58" x 90" SHAPE 0.6(UNIT+	Figure 29	9.5-1 Cf = 1 G = (1.31 0.85	
3039 Dulutl	Premiere Pkwy - S h, GA 30097 (800 U	uite 600 0) 397-4823	Solving Problems to M	Minimize the Stress of Doing Business		A 36" x 72" SHAPE	USED I	WO HT4040-4 PADS N A 40" x 80" SHAPE	*** INDICATES	N A 48" x 72" SHAPE	USED II	N A 58" x 90" SHAPE	Figure 29	9.5-1 Cf = 1 G = 0	1.31	
3039 <u>Dulut</u> R O W #	Premiere Pkwy - S h, GA 30097 (800 U MAX WIDTH	uite 600 0) 397-4823 NIT / EQUIPMEN (IMUM DIMENSIO INCHES LENGTH	Solving Problems to 1 T ONS HEIGHT	EQUIPMENT MINIMUM WEIGHT LBS.	USED IN MODEL NUMBER	HA 36" x 72" SHAPE HURRICANE WEIGHT LBS.	USED I HT-CLASS PAD WIDTH IN.	WO HT4040-4 PADS N A 40" x 80" SHAPE PAD USED PAD LENGTH IN.	*** INDICATES USED IN PAD THICK IN.	N A 48" x 72" SHAPE 180 WIND LOAD LBS.	USED II MPH 0.6(WIND MOMENT) FT-LBS.	N A 58" x 90" SHAPE 0.6(UNIT+ PAD) WEIGHT LBS.	Figure 25 RESISTING MOMENT FT-LBS.	9.5-1 Cf = 1 G = (DESIGN CHECK	
3039 Dulutl R O W #	Premiere Pkwy - S h, GA 30097 (800 U MAX WIDTH 11.0	uite 600 0) 397-4823 NIT / EQUIPMEN (IMUM DIMENSIO INCHES LENGTH 32.0	Solving Problems to 1 T ONS <u>HEIGHT</u> 23.0	EQUIPMENT MINIMUM WEIGHT LBS. 63	USED IN MODEL NUMBER HT3648-4	UA 36" x 72" SHAPE HURRICANE WEIGHT LBS. 250	USED I HT-CLASS PAD WIDTH IN. 36	WO HT4040-4 PADS N A 40" x 80" SHAPE PAD USED PAD LENGTH IN. 48	*** INDICATES USED IN PAD THICK IN. 4.0	N A 48" x 72" SHAPE 180 WIND LOAD LBS. 362	USED II MPH 0.6(WIND MOMENT) FT-LBS. 281	N A 58" x 90" SHAPE 0.6(UNIT+ PAD) WEIGHT LBS. 188	Figure 25 RESISTING MOMENT FT-LBS. 282	0.5-1 Cf = 1 G = 0 OK FOR	1.31 0.85 DESIGN CHECK 180	MPH
3039 Duluti R O W # 1 2	Premiere Pkwy - S h, GA 30097 (800 U MAX WIDTH 11.0 11.0	uite 600 0) 397-4823 NIT / EQUIPMEN (IMUM DIMENSIO INCHES LENGTH 32.0 32.0	String Problems to 1 IT ONS HEIGHT 23.0 23.0	EQUIPMENT MINIMUM WEIGHT LBS. 63 127	USED IN MODEL NUMBER HT3648-4 HT3345-4	URRICANE HURRICANE WEIGHT LBS. 250 215	USED I HT-CLASS PAD WIDTH IN. 36 33	WO HT4040-4 PADS N A 40" x 80" SHAPE PAD USED PAD LENGTH IN. 48 45	*** INDICATES USED IN PAD THICK IN. 4.0 4.0 4.0	N A 48" x 72" SHAPE 180 WIND LOAD LBS. 362 362	USED II MPH 0.6(WIND MOMENT) FT-LBS. 281 281	N A 58" x 90" SHAPE 0.6(UNIT+ PAD) WEIGHT LBS. 188 205	Figure 25 RESISTING MOMENT FT-LBS. 282 282	0.5-1 Cf = 1 G = 0 OK FOR OK FOR	1.31 0.85 DESIGN CHECK 180 180	MPH
3039 Dulutl R O W #	Premiere Pkwy - S h, GA 30097 (800 U MAX WIDTH 11.0	uite 600 0) 397-4823 NIT / EQUIPMEN (IMUM DIMENSIO INCHES LENGTH 32.0	Extring Problems to 1 IT ONS HEIGHT 23.0 32.0 32.0 32.0	EQUIPMENT MINIMUM WEIGHT LBS. 63	USED IN MODEL NUMBER HT3648-4	UA 36" x 72" SHAPE HURRICANE WEIGHT LBS. 250	USED I HT-CLASS PAD WIDTH IN. 36	WO HT4040-4 PADS N A 40" x 80" SHAPE PAD USED PAD LENGTH IN. 48	*** INDICATES USED IN PAD THICK IN. 4.0	N A 48" x 72" SHAPE 180 WIND LOAD LBS. 362	USED II MPH 0.6(WIND MOMENT) FT-LBS. 281	N A 58" x 90" SHAPE 0.6(UNIT+ PAD) WEIGHT LBS. 188	Figure 25 RESISTING MOMENT FT-LBS. 282	OK FOR OK FOR OK FOR OK FOR OK FOR	1.31 0.85 DESIGN CHECK 180 180 180	
3039 Dulutt R O W # 1 2 3 4 5	Premiere Pkwy - S h, GA 30097 (800 MAX WIDTH 11.0 11.0 13.0 13.0 13.0	uite 600)) 397-4823 NIT / EQUIPMEN (IMUM DIMENSION INCHES LENGTH 32.0 32.0 24.0 24.0 24.0 26.0	Extring Problems to 1 IT ONS HEIGHT 23.0 23.0 32.0 32.0 32.0 30.0	EQUIPMENT MINIMUM WEIGHT LBS. 63 127 378 547 292	USED IN MODEL NUMBER HT3648-4 HT3345-4 HT3030-4 HT2424-4 HT3232-4	WEIGHT LBS. 250 215 127 85 165	USED I HT-CLASS PAD WIDTH IN. 36 33 30 24 32	WO HT4040-4 PADS N A 40" x 80" SHAPE PAD USED PAD LENGTH IN. 48 45 30 24 32	*** INDICATES USED IN PAD THICK IN. 4.0 4.0 4.0 4.0 4.0 4.0 4.0	N A 48" x 72" SHAPE 180 WIND LOAD LBS. 362 362 378 378 378 384	USED II MPH 0.6(WIND MOMENT) FT-LBS. 281 281 379 379 379 365	N A 58" x 90" SHAPE 0.6(UNIT+ PAD) WEIGHT LBS. 188 205 303 379 274	Figure 25 RESISTING MOMENT FT-LBS. 282 282 282 379 379 366	OK FOR OK FOR OK FOR OK FOR OK FOR OK FOR	1.31 0.85 DESIGN CHECK 180 180 180 180 180	MPH MPH MPH MPH
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3039 Dulutt R O W # 1 2 3 4 5 6 7	Premiere Pkwy - S h, GA 30097 (800 MAX WIDTH 11.0 11.0 13.0 13.0 13.0 13.0 13.0 13.0	uite 600 b) 397-4823 NIT / EQUIPMEN (IMUM DIMENSION INCHES LENGTH 32.0 32.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 30.0	HEIGHT 23.0 32.0 32.0 32.0 30.0 29.0 24.0 24.0	EQUIPMENT MINIMUM WEIGHT LBS. 63 127 378 547 292 234 130	USED IN MODEL NUMBER HT3648-4 HT3345-4 HT3030-4 HT2424-4 HT3232-4 HT3345-4 HT3345-4	WEIGHT LBS. 250 215 127 85 165 215 215 215 215	USED I HT-CLASS PAD WIDTH IN. 36 33 30 24 32 33 33 33 33	WO HT4040-4 PADS N A 40" x 80" SHAPE PAD USED PAD LENGTH IN. 48 45 30 24 32 45 45 45	*** INDICATES USED IN PAD THICK IN. 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.	N A 48" x 72" SHAPE 180 WIND LOAD LBS. 362 362 362 378 378 378 384 400 355	USED II MPH 0.6(WIND MOMENT) FT-LBS. 281 281 281 379 379 365 370 284	N A 58" x 90" SHAPE 0.6(UNIT+ PAD) WEIGHT LBS. 188 205 303 379 274 270 207	Figure 25 RESISTING MOMENT FT-LBS. 282 282 282 379 379 379 366 371 285	OK FOR OK FOR OK FOR OK FOR OK FOR OK FOR OK FOR OK FOR OK FOR	1.31 0.85 DESIGN CHECK 180 180 180 180 180 180 180 180	MPH MPH MPH MPH MPH MPH
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3039 Dulutt R O W # 1 2 3 4 5 6 7 8 9 10 11	Premiere Pkwy - S h, GA 30097 (800 MAX WIDTH 11.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0	uite 600 b) 397-4823 NIT / EQUIPMEN (IMUM DIMENSION INCHES LENGTH 32.0 32.0 24.0 24.0 24.0 26.0 28.0 30.0 30.0 30.0 30.0 30.0 30.0	HEIGHT 23.0 23.0 32.0 32.0 32.0 32.0 24.0 24.0 26.0 26.0 28.0 28.0	EQUIPMENT MINIMUM WEIGHT LBS. 63 127 378 547 292 234 130 472 182 567 237	USED IN MODEL NUMBER HT3648-4 HT3648-4 HT3030-4 HT2424-4 HT3232-4 HT3232-4 HT3345-4 HT1840-4 HT1840-4 HT1840-4 HT1840-4 HT3345-4	HURRICANE HURRICANE WEIGHT LBS. 250 215 127 85 165 215 127 85 165 215 215 215 160 215 160 215	USED I HT-CLASS PAD WIDTH IN. 36 33 30 24 32 33 33 33 18 33 18 33 18 33	WO HT4040-4 PADS N A 40" x 80" SHAPE PAD USED PAD LENGTH IN. 48 45 30 24 32 45 45 45 45 40 45 40 45 40 45	*** INDICATES USED IN PAD THICK IN. 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.	NA 48" x 72" SHAPE 180 WIND LOAD LBS. 362 362 362 378 378 378 378 384 400 355 355 355 384 384 414	USED II MPH 0.6(WIND MOMENT) FT-LBS. 281 281 281 379 379 365 370 284 284 284 284 284 327 327 327 373	N A 58" x 90" SHAPE 0.6(UNIT+ PAD) WEIGHT LBS. 188 205 303 379 274 270 207 379 238 436 271	Figure 25 RESISTING MOMENT FT-LBS. 282 282 282 379 379 366 371 285 284 327 327 373	OK FOR OK FOR	1.31 0.85 DESIGN CHECK 180 180 180 180 180 180 180 180 180 180	MPH MPH MPH MPH MPH MPH MPH MPH MPH
3039 Dulutt R O W # 1 2 3 4 5 6 7 8 9 10 11 12	Premiere Pkwy - S h, GA 30097 (800 MAX WIDTH 11.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0	uite 600 b) 397-4823 NIT / EQUIPMEN (IMUM DIMENSION INCHES LENGTH 32.0 32.0 24.0 24.0 24.0 26.0 28.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0	HEIGHT 23.0 23.0 32.0 32.0 32.0 32.0 32.0 32.0 32.0 32.0 32.0 32.0 32.0 32.0 32.0 30.0 29.0 24.0 24.0 26.0 26.0 26.0 28.0 20.0 <	EQUIPMENT MINIMUM WEIGHT LBS. 63 127 378 547 292 234 130 472 182 567 237 669	USED IN MODEL NUMBER HT3648-4 HT3345-4 HT3030-4 HT2424-4 HT3232-4 HT3345-4 HT3345-4 HT1840-4 HT1840-4 HT1840-4 HT1840-4	HURRICANE HURRICANE WEIGHT LBS. 250 215 127 85 165 215 127 85 165 215 160 215 160 215 160 215 160 215 160 215 160 215 160	USED I HT-CLASS PAD WIDTH IN. 36 33 30 24 32 33 33 33 18 33 18 33 18 33 18 33 18	WO HT4040-4 PADS N A 40" x 80" SHAPE PAD USED PAD LENGTH IN. 48 45 30 24 32 45 45 45 45 45 40 45 40 45 40 45 40	*** INDICATES USED IN PAD THICK IN. 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.	NA 48" x 72" SHAPE 180 WIND LOAD LBS. 362 362 378 378 378 378 384 400 355 355 355 384 384 414 414	USED II MPH 0.6(WIND MOMENT) FT-LBS. 281 281 281 379 379 365 370 284 284 284 284 284 327 327 327 373 373	N A 58" x 90" SHAPE 0.6(UNIT+ PAD) WEIGHT LBS. 188 205 303 379 274 270 207 379 238 436 271 497	Figure 25 RESISTING MOMENT FT-LBS. 282 282 379 379 366 371 285 284 327 327 327 373 373	OK FOR OK FOR	1.31 0.85 DESIGN CHECK 180 180 180 180 180 180 180 180 180 180	MPH MPH MPH MPH MPH MPH MPH MPH MPH MPH
3039 Dulutt R O W # 1 2 3 4 5 6 7 8 9 10 11	Premiere Pkwy - S h, GA 30097 (800 MAX WIDTH 11.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0	uite 600 b) 397-4823 NIT / EQUIPMEN (IMUM DIMENSION INCHES LENGTH 32.0 32.0 24.0 24.0 24.0 26.0 28.0 30.0 30.0 30.0 30.0 30.0 30.0	HEIGHT 23.0 23.0 32.0 32.0 32.0 32.0 24.0 24.0 26.0 26.0 28.0 28.0	EQUIPMENT MINIMUM WEIGHT LBS. 63 127 378 547 292 234 130 472 182 567 237	USED IN MODEL NUMBER HT3648-4 HT3648-4 HT3030-4 HT2424-4 HT3232-4 HT3232-4 HT3345-4 HT1840-4 HT1840-4 HT1840-4 HT1840-4 HT3345-4	HURRICANE HURRICANE WEIGHT LBS. 250 215 127 85 165 215 127 85 165 215 215 215 160 215 160 215	USED I HT-CLASS PAD WIDTH IN. 36 33 30 24 32 33 33 33 18 33 18 33 18 33	WO HT4040-4 PADS N A 40" x 80" SHAPE PAD USED PAD LENGTH IN. 48 45 30 24 32 45 45 45 45 40 45 40 45 40 45	*** INDICATES USED IN PAD THICK IN. 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.	NA 48" x 72" SHAPE 180 WIND LOAD LBS. 362 362 362 378 378 378 378 384 400 355 355 355 384 384 414	USED II MPH 0.6(WIND MOMENT) FT-LBS. 281 281 281 379 379 365 370 284 284 284 284 284 327 327 327 373	N A 58" x 90" SHAPE 0.6(UNIT+ PAD) WEIGHT LBS. 188 205 303 379 274 270 207 379 238 436 271	Figure 25 RESISTING MOMENT FT-LBS. 282 282 282 379 379 366 371 285 284 327 327 373	OK FOR OK FOR	1.31 0.85 DESIGN CHECK 180 180 180 180 180 180 180 180 180 180	MPH MPH MPH MPH MPH MPH MPH MPH MPH
3039 Dulutt R O W # 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	Premiere Pkwy - S h, GA 30097 (800 MAX WIDTH 11.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0	uite 600 a) 397-4823 NIT / EQUIPMEN (IMUM DIMENSION INCHES LENGTH 32.0 24.0 24.0 24.0 26.0 28.0 30.0 30.0 30.0 30.0 30.0 30.0 24.0 24.0 24.0 24.0 26.0 28.0	HEIGHT 23.0 23.0 23.0 32.0 32.0 32.0 24.0 24.0 26.0 28.0 35.0 35.0 29.0	EQUIPMENT MINIMUM WEIGHT LBS. 63 127 378 547 292 234 130 472 182 567 237 669 392 622 265	USED IN MODEL NUMBER HT3648-4 HT3345-4 HT3030-4 HT2424-4 HT3232-4 HT3345-4 HT1840-4 HT1840-4 HT1840-4 HT1840-4 HT1840-4 HT1840-4 HT3232-4 HT2436-4 HT3232-4	HURRICANE HURRICANE WEIGHT LBS. 250 215 127 85 165 215 165 215 160 215 160 215 160 215 160 215 160 215 160 215 160 215 160 215 160 215 160 165 120 165	USED I HT-CLASS PAD WIDTH IN. 36 33 30 24 32 33 33 18 33 18 33 18 33 18 33 18 33 18 33 18 33 18 33 18 33 18 33 33 18 33 33 18 33 33 33 33 33 33 33 33 33 3	WO HT4040-4 PADS N A 40" x 80" SHAPE PAD USED PAD LENGTH IN. 48 45 30 24 32 45 45 45 40 45 40 45 40 45 40 45 40 45 40 32 36 32	*** INDICATES USED IN PAD THICK IN. 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.	NA 48" x 72" SHAPE 180 WIND LOAD LBS. 362 362 378 378 378 384 400 355 355 384 400 355 384 414 414 414 414 414 371	USED II MPH 0.6(WIND MOMENT) FT-LBS. 281 281 379 379 379 365 370 284 284 284 284 327 327 327 327 327 327 327 327 327 327	N A 58" x 90" SHAPE 0.6(UNIT+ PAD) WEIGHT LBS. 188 205 303 379 274 270 207 379 238 436 271 497 334 445 258	Figure 25 RESISTING MOMENT FT-LBS. 282 282 379 379 366 371 285 284 327 327 327 373 373 446 445 344	0.5-1 Cf = 1 G = 0 OK FOR OK FOR	1.31 0.85 DESIGN CHECK 180 180 180 180 180 180 180 180 180 180	MPH MPH MPH MPH MPH MPH MPH MPH MPH MPH
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3039 Dulutt R O W # 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	Premiere Pkwy - S h, GA 30097 (800 MAX WIDTH 11.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0	uite 600 a) 397-4823 NIT / EQUIPMEN (IMUM DIMENSION INCHES LENGTH 32.0 24.0 24.0 24.0 26.0 28.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 30.0 24.0 28.0 31.0 31.0 31.0 31.0 23.2 23.2 23.2 23.2	HEIGHT 23.0 23.0 23.0 32.0 32.0 32.0 32.0 32.0 32.0 32.0 32.0 32.0 32.0 32.0 32.0 32.0 32.0 32.0 30.0 26.0 28.0 35.0 29.0 30.0 29.0 30.0 21.0 21.0 24.0 24.0 26.0 28.0	EQUIPMENT MINIMUM WEIGHT LBS. 63 127 378 547 292 234 130 472 182 567 237 669 392 622 265 454 262 265 454 262 236 68 269 141 370 91 210 83	USED IN MODEL NUMBER HT3648-4 HT3345-4 HT3030-4 HT2424-4 HT3232-4 HT3345-4 HT3345-4 HT3345-4 HT1840-4 HT3345-4 HT1840-4 HT3232-4 HT2436-4 HT3232-4 HT2436-4 HT2436-4 HT2436-4 HT2436-4 HT2436-4 HT3345-4 HT2436-4 HT3345-4 HT2436-4 HT3345-4 HT2436-4 HT3345-4	HURRICANE HURRICANE WEIGHT LBS. 250 215 127 85 165 215 165 215 160 215 160 215 160 215 160 215 160 215 160 215 120 215 120 215 120 215 120 215 120 215 120 215 120 215 120 215 120 215 120 215 127 250	USED I HT-CLASS PAD WIDTH IN. 36 33 30 24 32 33 18 33 18 33 18 33 18 33 18 33 18 33 24 32 24 32 24 33 24 33 24 33 24 33 24 33 24 33 24 33 24 33 24 33 33 24 33 33 24 33 33 24 33 33 33 33 33 33 33 33 33 3	WO HT4040-4 PADS N A 40" x 80" SHAPE PAD USED PAD USED PAD LENGTH IN. 48 45 30 24 32 45 45 40 45 40 45 40 45 40 45 40 45 40 45 36 32 36 36 45 36 36 45 36 36 45 36 45 36 45 36 45 36 45 36 45 36 45 36 45 36 45 36 45 36 45 36 45 36 45 36 45 36 36 45 36 36 45 36 36 45 36 30 45 30 30 45 30 30 45 30 30 45 30 30 45 30 30 45 30 30 45 30 30 45 30 30 45 30 30 45 30 30 45 30 30 45 30 30 45 30 30 45 30 30 45 30 30 45 45 30 30 45 30 30 45 30 30 45 30 30 45 30 45 30 45 30 45 30 45 30 45 30 45 30 45 30 45 30 45 30 45 30 45 30 45 30 45 45 30 30 45 45 30 45 45 30 45 45 45 45 45 45 45 45 45 45 45 45 45	*** INDICATES USED IN PAD THICK IN. 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.	NA 48" x 72" SHAPE 180 WIND LOAD LBS. 362 362 378 371 371 371 371 371 321 326	USED II MPH 0.6(WIND MOMENT) FT-LBS. 281 281 379 365 370 284 287 327 373 344 344 344 344 393 233 233 294 294 252 252 300	N A 58" x 90" SHAPE 0.6(UNIT+ PAD) WEIGHT LBS. 188 205 303 379 274 270 207 379 238 436 271 497 334 445 258 344 445 258 344 258 344 286 394 170 233 214 294 184 202 200	Figure 25 RESISTING MOMENT FT-LBS. 282 282 379 379 366 371 285 284 327 327 327 373 446 445 344 344 344 394 394 233 233 294 294 253 253 300	0K FOR OK FOR	1.31 0.85 DESIGN CHECK 180 180 180 180 180 180 180 180	MPH MPH



- HT-CLASS HURRICANE PAD FOR ALL COUNTIES WITH A MAXIMUM WIND SPEED UP TO 1) 180 M.P.H
- 2) THE PAD AND THE SUPPORTED EQUIPMENT MUST BE LOCATED AT GROUND LEVEL. THIS TABLE DOES NOT APPLY TO ROOFTOP EQUIPMENT.
- EQUIPMENT LOCATED ON BALCONIES, OR ANY OTHER EQUIPMENT TO BE ELEVATED ABOVE GROUND LEVEL.
- 3) THE AREA UNDER CONCERETE SLAB ON GROUND SHALL HAVE ALL MATERIALS REMOVED PRIOR TO INSTALLATION ON COMPACTED SOIL AS VERIFIED BY OTHERS. MINIMUM SOIL COEFFICIENT OF FRICTION = 0.25
- 4) MAXIMUM DIMENSIONS AND WEIGHT OF UNIT / EQUIPMENT SHALL CONFORM TO SPECIFICATIONS STATED HEREIN. PAD WEIGHT TO BE VERIFIED BY OTHERS.
- 5) ORIGINAL EQUIPMENT MANUFACTURER INSTALLATION INSTRUCTIONS SUPERSEDE HURRICANE PAD INSTALLATION INSTRUCTIONS IF MORE STRINGENT.
- 6) ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS. ALL MECHANICAL SPECIFICATIONS (CLEAR SPACE, TONNAGE, ETC.) SHALL BE AS PER MANUFACTURER RECOMMENDATIONS AND ARE THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR.
- 7) THE ROLE OF THIS ENGINEER FOR THIS PROJECT IS THAT OF SPECIALTY ENGINEER AND NOT THE ENGINEER OF RECORD. CONSEQUENTLY, THE ARCHITECT/ENGINEER OF RECORD SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR.
- 8) ENGINEER SEAL AFFIXED HERETO VALIDATES STRUCTURAL DESIGN AS SHOWN, USE OF THIS SPEC, BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
- 9) THIS ENGINEER SHALL NOT BE HELD RESPONSIBLE/LIABLE IN ANY WAY FOR ERRONEOUS OR INACCURATE DATA OR MEASUREMENTS. DIMENSIONS ARE SHOWN TO ILLUSTRATE DESIGN FORCES AND OTHER DESIGN CRITERIA. THEY MAY VARY SLIGHTLY, BUT MUST REMAIN WITHIN THE LIMITATIONS SPECIFIED HEREIN.
- 10) THIS DOCUMENT IS GENERIC AND DOES NOT PERTAIN TO ANY SPECIFIC PROJECT SITE.
- 11) PADS / UNITS INSTALLED DIRECTLY ON ANY COASTLINE REQUIRE A HEAVIER
- AND LARGER PAD TO ACCOUNT FOR EXPOSURE D ; Table 28.3-1; Kz = 1.03
- 12) ALL OTHER UNITS NOT SHOWN SHALL BE DESIGNED ON A CASE BY CASE BASIS.
- 13) ALTERATIONS OR ADDITIONS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
- 14) EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
- 15) PADS ARE CONSTRUCTED WITH PRECAST CONCRETE, MINIMUM COMPRESSIVE STRENGTH, f'c=7,000 PSI AT 28 DAYS.
- 16) THIS ENGINEER SHALL BE GIVEN AN OPPORTUNITY TO RE-EVALUATE THIS WORK UPON DISCOVERY OF INACCURATE INFORMATION PRIOR TO MODIFICATION OF EXISTING FIELD CONDITIONS AND FABRICATION AND INSTALLATION OF MATERIAL ENGINEERING DATA:
- 1) ANALYSES PER 7th EDITION (2020) FLORIDA BUILDING CODE SECTION 1620 HIGH VELOCITY HURRICANE ZONES.
- 2) WIND LOADS & LOAD COMBINATIONS PER ASCE 7-10 SECTION 2.4.1 (LOAD COMBINATIONS), SECTION 29.5 & FIGURE 29.5.1 FOR: WIND LOADS ON OTHER STRUCTURES.
- 3) EQUIPMENT TO BE ANCHORED TO THE PAD USING (8) DIVERSITECH HC-1 CLIPS. CENTER ALL EQUIPMENT ON PADS. ATTACH CLIPS TO EQUIP (22 GAGE METAL MIN) WITH
- 1/4" BLUE / WHITE OR STAINLESS TAPCON CONCRETE ANCHORS WITH MINIMUM OF 1" EMBEDMENT. MINIMUM TAPCON SPECIFICATION: 700 LB PULLOUT / 900 LB SHEAR. 4) ALL EQUIPMENT REQUIRING TWO PADS ARE TO USE (12) TOTAL HC-1 CLIPS, FOUR (4) PER LENGTH AND TWO (2) PER WIDTH.

			ADS AILE 10 03E (12		, 1 001 (4) 1 LIX LLING						
5)	RISK CATEGORY =	II TABLE 1604.5	- RISK CATEGORY C	F BUILDINGS AND C	THER STRUCTURES,	SECTION 301.15 OF	THE MECHANIC	AL CODE, WIND RESIS	STANCE, AND 553.84	14 OF THE FLORIDA S	STATUTES STOR
Diver	siTech Corporatio	n	A DAD EN	GINEERING LLC				SPECIAL PA			
3039	Premiere Pkwy - S	Suite 600	GO Solving Problems to	Minimize the Stress of Doing Business	* INDICATES T	WO HT3636-4 PADS	** INDICATES	TWO HT4040-4 PADS	*** INDICATES	S TWO 3648-4 PADS	**** INDICAT
Dulut	h, GA 30097 (80				USED II	N A 36" x 72" SHAPE	USED	IN A 40" x 80" SHAPE	USED II	N A 48" x 72" SHAPE	USEI
R	ι	JNIT / EQUIPME	NT	EQUIPMENT		HURRICANE	HT-CLASS	PAD USED		180	
0	MA	XIMUM DIMENS	SIONS	MINIMUM			PAD	PAD	PAD	WIND	0.6(WIND
W		INCHES		WEIGHT	MODEL	WEIGHT	WIDTH	LENGTH	THICK	LOAD	MOMENT)
#	WIDTH	LENGTH	HEIGHT	LBS.	NUMBER	LBS.	IN.	IN.	IN.	LBS.	FT-LBS.
29	25.0	25.0	26.0	116	HT3345-4	215	33	45	4.0	320	273
30	25.0	25.0	26.0	237	HT3030-4	127	30	30	4.0	320	273
31	25.8	25.8	31.0	124	HT4040-4	260	40	40	4.0	393	384
32	25.8	25.8	31.0	247	HT3636-4	180	36	36	4.0	393	384
33	25.8	25.8	32.4	129	HT4242-4	265	42	42	4.0	410	413
34	25.8	25.8	32.4	280	HT3636-4	180	36	36	4.0	410	413
35	26.2	26.2	30.0	109	HT4040-4	260	40	40	4.0	387	368
36	26.2	26.2	30.0	230	HT3636-4	180	36	36	4.0	387	368
37	26.2	26.2	33.0	152	HT4242-4	265	42	42	4.0	426	437
38	26.2	26.2	33.0	306	HT3636-4	180	36	36	4.0	426	437
39	26.2	26.2	35.0	198	HT4242-4	265	42	42	4.0	451	486
40	26.2	26.2	35.0	360	HT3636-4	180	36	36	4.0	451	486
41	29.3	33.0	41.0	181	ZHT4872***	500	48	72	4.0	666	816
42	29.3	33.0	41.0	376	HT4558-4	350	45	58	4.0	666	816
43	31.0	55.0	27.0	349	ZHT3672**	360	36	72	4.0	729	638
44	31.0	55.0	31.0	547	ZHT3672**	360	36	72	4.0	837	816
45	31.2	31.2	34.0	138	HT4558-4	350	45	58	4.0	522	549
46	31.2	31.2	34.0	289	HT4040-4	260	40	40	4.0	522	549
47	31.2	31.2	35.0	165	HT4558-4	350	45	58	4.0	537	578
48	31.2	31.2	35.0	319	HT4040-4	260	40	40	4.0	537	578
49	31.2	31.2	35.8	185	HT4558-4	350	45	58	4.0	549	601
50	31.2	31.2	35.8	342	HT4040-4	260	40	40	4.0	549	601
51	31.2	31.2	37.0	120	ZHT4080**	520	40	80	4.0	568	640
52	31.2	31.2	37.0	380	HT4040-4	260	40	40	4.0	568	640
53	31.2	31.2	39.2	280	HT4558-4	350	45	58	4.0	601	708
54	31.2	31.2	39.2	449	HT4040-4	260	40	40	4.0	601	708
55	31.2	35.0	31.0	114	HT4558-4	350	45	58	4.0	534	521
56	31.2	35.0	31.0	262	HT4040-4	260	40	40	4.0	534	521

ORE SI. E, TONNAGE, EIC., HILLIN, BA HILLIN, BA ICENS No. 80' TROM ST Oct ANDALL M. BACK EQUIPMENT SSIONAL NGI

> HC-1 HURRICA (2) PER SIDE (8

F

2-112

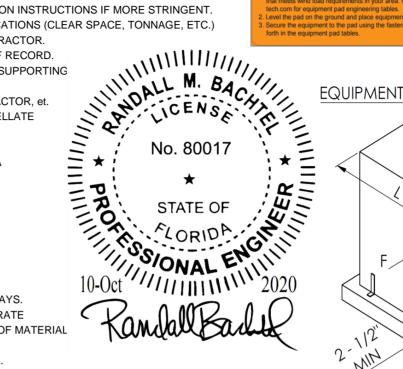
MIN

SHEET 2 OF 5

In SUILDING CODE ROUGH SUBJECT TO THICKNESS (in) = 4 Wid by Name Consume rough statements TO THICKNESS (in) = 4 Weight and total an information 2010 - description from grade. PAD MODEL# WEIGHT WIDTH LENGTH Weight and total and total an information construction and discussion and d			HT-CLASS		PAD	
PAD MODEL# WEIGHT WIDTH LENGTH WITH 1840-4 160 18 40 WITH 2424-4 85 24 24 HT2424-4 160 18 40 HT2424-4 165 32 30 HT3330-4 165 32 32 HT33345-4 215 33 45 HT3636-4 180 36 48 HT3648-4 265 38 52 HT4040-4 260 40 40 HT3652-4 265 42 42 HT4242-4 265 42 42	uct meets the	e following building code requirements		THICKNE		4
Ministructure HT1840-4 160 18 40 HT1840-4 160 18 40 HT2424-4 85 24 24 HT3303-4 127 30 30 T3232-4 165 32 32 HT3363-4 215 33 45 HT3636-4 180 36 36 HT3648-4 250 36 48 HT3648-4 260 40 40 HT4242-4 265 42 42 HT458-4 350 45 58 HT3672* 360 36 72 ZHT3607* 360 67 72 ZHT3607* 360 68 72 ZHT482*** 500 48 72 Spinore C: Table 28.3*1 K2 = 0.85 590 90 HT555*** 500 58 90 HT455*** 700 58 90 ATES TW0 455** 74 700 58	nical Volume roduct is mad	e, Section 304.10 – clearance from grade. de from a minimum 7000PSI concrete.				LENGTH
Init 2424-4 05 24 24 24 Image: Stress of the stress of th	eight and win	d load requirements have been	HT1840-4	160	18	40
MITE 2436-4 120 24 36 IT 3030-4 127 30 30 IT 3332-4 165 32 32 IT 3345-4 125 33 45 IT 3345-4 165 32 32 IT 3454-4 120 36 48 IT 3636-4 180 36 36 IT 3454-4 250 36 48 IT 3636-4 180 420 40 IT 4040-4 260 40 40 IT 422-4 265 38 52 IT 4558-4 350 45 58 ZH 36672* 360 36 72 ZH 4000** 520 40 80 ZH 36672* 360 36 72 ZH 36672* 360 48 72 ZH 3672* 360 48 72 ZH 3672* 360 36 72 ZH 360* 250 43 85	eering tables tation, visit or	. For up to date calculations and ur website www.diversitech.com				
WIND LOAD CALCS: Figure 28.1 KES ING DESIGN CESIGN CIEGHT FGUR 28.5 Figure	300-995-2222	2				
WIND LOAD CALCS: WIND Speed V = 180 YEROM CONNERS WIND Speed V = 180 WIND LOAD CALCS: WIND Speed V = 180 WIND Speed V = 180 WIND LOAD CALCS: WIND Speed V = 180 WEIGHT FIJUE SPAIN FIJUE SPAIN FIJUE SPAIN CHECK IBS STAPE Star son SPAPE Star son SPAPE						
Initial Initial <thinitial< th=""> <th< th=""><th></th><th>DIVERSITECH</th><th></th><th></th><th></th><th></th></th<></thinitial<>		DIVERSITECH				
HT3868-4 250 36 48 HT3852-4 265 38 52 HT4040-4 260 40 40 HT4242-4 265 42 42 HT4558-4 350 45 58 ZHT3672* 360 36 72 ZHT4672* 360 36 72 ZHT4672* 360 36 72 ZHT4672* 360 36 72 ZHT4672* 500 48 72 SP Esposite C; Table 23-1 K zt = 1.01 58 90 Tot 26.6-1 Kt = 0.03 Kt = 1.01 56 D PAD PSE 55.1 CI = 1.31 G = 0.85 CHECK CHECK 199 231 199 273<		www.diversitech.com 6650 Suparloaf Parkway				
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- HT-CLASS HURRICANE PAD FOR ALL COUNTIES WITH A MAXIMUM WIND SPEED UP TO 180 M.P.H
- 2) THE PAD AND THE SUPPORTED EQUIPMENT MUST BE LOCATED AT GROUND LEVEL. THIS TABLE DOES NOT APPLY TO ROOFTOP EQUIPMENT.
- EQUIPMENT LOCATED ON BALCONIES, OR ANY OTHER EQUIPMENT TO BE ELEVATED ABOVE GROUND LEVEL.
- 3) THE AREA UNDER CONCERETE SLAB ON GROUND SHALL HAVE ALL MATERIALS REMOVED PRIOR TO INSTALLATION ON COMPACTED SOIL AS VERIFIED BY OTHERS. MINIMUM SOIL COEFFICIENT OF FRICTION = 0.25
- 4) MAXIMUM DIMENSIONS AND WEIGHT OF UNIT / EQUIPMENT SHALL CONFORM TO SPECIFICATIONS STATED HEREIN. PAD WEIGHT TO BE VERIFIED BY OTHERS.
- 5) ORIGINAL EQUIPMENT MANUFACTURER INSTALLATION INSTRUCTIONS SUPERSEDE HURRICANE PAD INSTALLATION INSTRUCTIONS IF MORE STRINGENT.
- 6) ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS. ALL MECHANICAL SPECIFICATIONS (CLEAR SPACE, TONNAGE, ETC.) SHALL BE AS PER MANUFACTURER RECOMMENDATIONS AND ARE THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR.
- 7) THE ROLE OF THIS ENGINEER FOR THIS PROJECT IS THAT OF SPECIALTY ENGINEER AND NOT THE ENGINEER OF RECORD. CONSEQUENTLY, THE ARCHITECT/ENGINEER OF RECORD SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR.
- 8) ENGINEER SEAL AFFIXED HERETO VALIDATES STRUCTURAL DESIGN AS SHOWN, USE OF THIS SPEC, BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION. SYSTEM ERECTION. CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
- 9) THIS ENGINEER SHALL NOT BE HELD RESPONSIBLE/LIABLE IN ANY WAY FOR ERRONEOUS OR INACCURATE DATA OR MEASUREMENTS. DIMENSIONS ARE SHOWN TO ILLUSTRATE DESIGN FORCES AND OTHER DESIGN CRITERIA. THEY MAY VARY SLIGHTLY, BUT MUST REMAIN WITHIN THE LIMITATIONS SPECIFIED HEREIN.
- 10) THIS DOCUMENT IS GENERIC AND DOES NOT PERTAIN TO ANY SPECIFIC PROJECT SITE.
- 11) PADS / UNITS INSTALLED DIRECTLY ON ANY COASTLINE REQUIRE A HEAVIER
- AND LARGER PAD TO ACCOUNT FOR EXPOSURE D ; Table 28.3-1; Kz = 1.03
- 12) ALL OTHER UNITS NOT SHOWN SHALL BE DESIGNED ON A CASE BY CASE BASIS.
- 13) ALTERATIONS OR ADDITIONS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
- 14) EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
- 15) PADS ARE CONSTRUCTED WITH PRECAST CONCRETE, MINIMUM COMPRESSIVE STRENGTH, f'c=7,000 PSI AT 28 DAYS.
- 16) THIS ENGINEER SHALL BE GIVEN AN OPPORTUNITY TO RE-EVALUATE THIS WORK UPON DISCOVERY OF INACCURATE INFORMATION PRIOR TO MODIFICATION OF EXISTING FIELD CONDITIONS AND FABRICATION AND INSTALLATION OF MATERIAL ENGINEERING DATA:
- 1) ANALYSES PER 7th EDITION (2020) FLORIDA BUILDING CODE SECTION 1620 HIGH VELOCITY HURRICANE ZONES.
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- 1/4" BLUE / WHITE OR STAINLESS TAPCON CONCRETE ANCHORS WITH MINIMUM OF 1" EMBEDMENT. MINIMUM TAPCON SPECIFICATION: 700 LB PULLOUT / 900 LB SHEAR. 4) ALL EQUIPMENT REQUIRING TWO PADS ARE TO USE (12) TOTAL HC-1 CLIPS, FOUR (4) PER LENGTH AND TWO (2) PER WIDTH.
- 5) RISK CATEGORY = II TABLE 1604.5 RISK CATEGORY OF BUILDINGS AND OTHER STRUCTURES, SECTION 301.15 OF THE MECHANICAL CODE, WIND RESISTANCE, AND 553.844 OF THE FLORIDA STATUTES STO

Diver	siTech Corporation	า	A DUD EN	CINEEDINC IIC				SPECIAL PA	D CONFIG.		
	Premiere Pkwy - S			GINEERING LLC Minimize the Stress of Doing Business		WO HT3636-4 PADS		WO HT4040-4 PADS	-	S TWO 3648-4 PADS	-
	h, GA 30097 (80			_	USED IN	N A 36" x 72" SHAPE		N A 40" x 80" SHAPE	USED I	N A 48" x 72" SHAPE	
R		INIT / EQUIPME		EQUIPMENT		HURRICANE	HT-CLASS	PAD USED			MPH
0	MAX	XIMUM DIMENS	IONS	MINIMUM			PAD	PAD	PAD	WIND	0.6(WIND
W		INCHES		WEIGHT	MODEL	WEIGHT	WIDTH	LENGTH	THICK	LOAD	MOMENT)
#	WIDTH	LENGTH	HEIGHT	LBS.	NUMBER	LBS.	IN.	IN.	IN.	LBS.	FT-LBS.
57	31.5	44.4	33.0	220	ZHT4080**	520	40	80	4.0	720	739
58	31.5	44.4	33.0	514	HT3852-4	265	38	52	4.0	720	739
59	31.7	31.7	34.0	145	HT4558-4	350	45	58	4.0	529	556
60	31.7	31.7	34.0	321	HT3852-4	265	38	52	4.0	529	556
61	31.7	31.7	36.0	199	HT4558-4	350	45	58	4.0	560	617
62	31.7	31.7	36.0	385	HT3852-4	265	38	52	4.0	560	617
63	31.7	44.4	34.0	261	ZHT4080**	520	40	80	4.0	742	780
64	31.7	44.4	34.0	557	HT3852-4	265	38	52	4.0	742	780
65	33.0	44.0	32.0	174	ZHT4080**	520	40	80	4.0	693	694
66	33.0	44.0	32.0	466	HT3852-4	265	38	52	4.0	693	694
67	33.0	44.0	37.0	10	ZHT5890****	700	58	90	4.0	801	902
68	33.0	44.0	37.0	452	HT4558-4	350	45	58	4.0	801	902
69	33.0	44.0	39.5	10	ZHT5890****	700	58	90	4.0	855	1016
70	33.0	44.0	39.5	554	HT4558-4	350	45	58	4.0	855	1016
71	35.0	35.0	31.5	17	ZHT4080**	520	40	80	4.0	543	536
72	35.0	35.0	31.5	277	HT4040-4	260	40	40	4.0	543	536
73	35.0	35.0	33.0	64	ZHT4080**	520	40	80	4.0	568	583
74	35.0	35.0	33.0	324	HT4040-4	260	40	40	4.0	568	583
75	35.0	35.0	34.0	198	HT4558-4	350	45	58	4.0	586	616
76	35.0	35.0	34.0	356	HT4040-4	260	40	40	4.0	586	616
77	35.0	35.0	34.5	113	ZHT4080**	520	40	80	4.0	594	632
78	35.0	35.0	34.5	373	HT4040-4	260	40	40	4.0	594	632
79	35.0	35.0	35.0	129	ZHT4080**	520	40	80	4.0	603	649
80	35.0	35.0	35.0	389	HT4040-4	260	40	40	4.0	603	649
81	35.0	35.0	35.8	155	ZHT4080**	520	40	80	4.0	616	674
82	35.0	35.0	35.8	415	HT4040-4	260	40	40	4.0	616	674
83	35.0	35.0	36.0	163	ZHT4080**	520	40	80	4.0	620	683
84	35.0	35.0	36.0	423	HT4040-4	260	40	40	4.0	620	683



F.

MIN

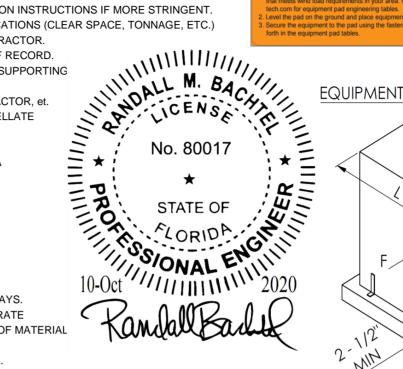
HC-1 HURRICA

(2) PER SIDE (8

		HT-CLASS		PAD	
uct meets the	G CODE NOTICE following building code requirements er Consulting Engineers:	TO	THICKNE		4
nical Volume	, Section 304.10 – clearance from grade. le from a minimum 7000PSI concrete.	PAD MODEL#	WEIGHT	WIDTH	LENGTH
eight and win	d load requirements have been lorida Building Code, Chapter 16.	HT1840-4	160	18	40
eering tables. tation, visit ou	chment methods as indicated on . For up to date calculations and ar website www.diversitech.com	HT2424-4	85	24	24
00-995-2222		HT2436-4	120	24	36
		HT3030-4	127	30	30
	DIVERSITECH	HT3232-4	165	32	32
	www.diversitech.com 6650 Sugarloaf Parkway Duluth, GA 30097 RM0186	HT3345-4	215	33	45
		HT3636-4 HT3648-4	180 250	36 36	36 48
		HT3852-4	265 265	38	40 52
		HT4040-4	260	40	40
		HT4242-4	265	42	42
		HT4558-4	350	45	58
	\searrow	ZHT3672*	360	36	72
		ZHT4080**	520	40	80
		ZHT4872***	500	48	72
		ZHT5890****	700	58	90
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		F = qz*G*Cf*Af (E	•		*Af (lbs)
		qz = 0.00256*Kz*K			PSF
5, 1		Exposure C ; Table			
DRM					
	LOSS MITIGATION.	Figure 26.	8-1 Kzt =	1.00	
	LUSS MITIGATION.	Table 26.			
ATES	6 TWO 4558-4 PADS	0	6-1 Kd = .5-1 Cf =	0.90 1.31	
ATES	S TWO 4558-4 PADS N A 58" x 90" SHAPE	Table 26.	6-1 Kd = .5-1 Cf =	0.90	
ATES ED IN	S TWO 4558-4 PADS N A 58" x 90" SHAPE 0.6(UNIT+	Table 26. Figure 29	6-1 Kd = .5-1 Cf =	0.90 1.31 0.85	
ATES	6 TWO 4558-4 PADS N A 58" x 90" SHAPE 0.6(UNIT+ PAD)	Table 26. Figure 29 RESISTING	6-1 Kd = .5-1 Cf =	0.90 1.31 0.85 DESIGN	
ATES ED IN	6 TWO 4558-4 PADS N A 58" x 90" SHAPE 0.6(UNIT+ PAD) WEIGHT	Table 26. Figure 29 RESISTING MOMENT	6-1 Kd = .5-1 Cf =	0.90 1.31 0.85	
ATES ED IN	6 TWO 4558-4 PADS N A 58" x 90" SHAPE 0.6(UNIT+ PAD) WEIGHT LBS.	Table 26. Figure 29 RESISTING MOMENT FT-LBS.	6-1 Kd = .5-1 Cf = G =	0.90 1.31 0.85 DESIGN CHECK	МРН
ATES ED IN	S TWO 4558-4 PADS N A 58" x 90" SHAPE 0.6(UNIT+ PAD) WEIGHT LBS. 444	Table 26. Figure 29 RESISTING MOMENT FT-LBS. 740	6-1 Kd = .5-1 Cf = G = OK FOR	0.90 1.31 0.85 DESIGN CHECK 180	MPH MPH
ATES ED IN	6 TWO 4558-4 PADS N A 58" x 90" SHAPE 0.6(UNIT+ PAD) WEIGHT LBS. 444 467	Table 26. Figure 29 RESISTING MOMENT FT-LBS. 740 740	6-1 Kd = .5-1 Cf = G = OK FOR OK FOR	0.90 1.31 0.85 DESIGN CHECK 180 180	MPH
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ATES ED IN	6 TWO 4558-4 PADS N A 58" x 90" SHAPE 0.6(UNIT+ PAD) WEIGHT LBS. 444 467 297 352 329 390	Table 26. Figure 29 RESISTING MOMENT FT-LBS. 740 740 557 557 618	6-1 Kd = .5-1 Cf = G = OK FOR OK FOR OK FOR OK FOR OK FOR	0.90 1.31 0.85 DESIGN CHECK 180 180 180 180 180	MPH MPH MPH MPH
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ATES ED IN	6 TWO 4558-4 PADS NA 58" x 90" SHAPE 0.6(UNIT+ PAD) WEIGHT LBS. 444 467 297 352 329 352 329 390 468 493 416 438 426 481 426 542 322 322 322 350 350	Table 26. Figure 29 RESISTING MOMENT FT-LBS. 740 740 557 557 618 617 781 781 694 694 1030 902 1030 1017 537 584	6-1 Kd = .5-1 Cf = G = OK FOR OK FOR	0.90 1.31 0.85 DESIGN CHECK 180 180 180 180 180 180 180 180	MPH MPH MPH MPH MPH MPH MPH MPH MPH MPH
ATES ED IN	6 TWO 4558-4 PADS N A 58" x 90" SHAPE 0.6(UNIT+ PAD) WEIGHT LBS. 444 467 297 352 329 390 468 493 416 438 426 481 426 542 322 322 322 322 350 350 350 329	Table 26. Figure 29 RESISTING MOMENT FT-LBS. 740 740 557 557 618 617 781 781 694 694 1030 902 1030 1017 537 584 584 616	6-1 Kd = .5-1 Cf = G = OK FOR OK FOR	0.90 1.31 0.85 DESIGN CHECK 180 180 180 180 180 180 180 180	MPH
ATES ED IN	6 TWO 4558-4 PADS N A 58" x 90" SHAPE 0.6(UNIT+ PAD) WEIGHT LBS. 444 467 297 352 329 390 468 493 416 438 426 481 426 542 322 322 322 322 350 350 329 350 329 370	Table 26. Figure 29 RESISTING MOMENT FT-LBS. 740 557 557 618 617 781 694 694 1030 902 1030 537 537 537 537 537 537 537 584 616 616	6-1 Kd = .5-1 Cf = G = OK FOR OK FOR	0.90 1.31 0.85 DESIGN CHECK 180 180 180 180 180 180 180 180	MPH
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- HT-CLASS HURRICANE PAD FOR ALL COUNTIES WITH A MAXIMUM WIND SPEED UP TO 180 M.P.H
- 2) THE PAD AND THE SUPPORTED EQUIPMENT MUST BE LOCATED AT GROUND LEVEL. THIS TABLE DOES NOT APPLY TO ROOFTOP EQUIPMENT.
- EQUIPMENT LOCATED ON BALCONIES, OR ANY OTHER EQUIPMENT TO BE ELEVATED ABOVE GROUND LEVEL.
- 3) THE AREA UNDER CONCERETE SLAB ON GROUND SHALL HAVE ALL MATERIALS REMOVED PRIOR TO INSTALLATION ON COMPACTED SOIL AS VERIFIED BY OTHERS. MINIMUM SOIL COEFFICIENT OF FRICTION = 0.25
- 4) MAXIMUM DIMENSIONS AND WEIGHT OF UNIT / EQUIPMENT SHALL CONFORM TO SPECIFICATIONS STATED HEREIN. PAD WEIGHT TO BE VERIFIED BY OTHERS.
- 5) ORIGINAL EQUIPMENT MANUFACTURER INSTALLATION INSTRUCTIONS SUPERSEDE HURRICANE PAD INSTALLATION INSTRUCTIONS IF MORE STRINGENT.
- 6) ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS. ALL MECHANICAL SPECIFICATIONS (CLEAR SPACE, TONNAGE, ETC.) SHALL BE AS PER MANUFACTURER RECOMMENDATIONS AND ARE THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR.
- 7) THE ROLE OF THIS ENGINEER FOR THIS PROJECT IS THAT OF SPECIALTY ENGINEER AND NOT THE ENGINEER OF RECORD. CONSEQUENTLY, THE ARCHITECT/ENGINEER OF RECORD SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR.
- 8) ENGINEER SEAL AFFIXED HERETO VALIDATES STRUCTURAL DESIGN AS SHOWN, USE OF THIS SPEC, BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION. SYSTEM ERECTION. CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
- 9) THIS ENGINEER SHALL NOT BE HELD RESPONSIBLE/LIABLE IN ANY WAY FOR ERRONEOUS OR INACCURATE DATA OR MEASUREMENTS. DIMENSIONS ARE SHOWN TO ILLUSTRATE DESIGN FORCES AND OTHER DESIGN CRITERIA. THEY MAY VARY SLIGHTLY, BUT MUST REMAIN WITHIN THE LIMITATIONS SPECIFIED HEREIN.
- 10) THIS DOCUMENT IS GENERIC AND DOES NOT PERTAIN TO ANY SPECIFIC PROJECT SITE.
- 11) PADS / UNITS INSTALLED DIRECTLY ON ANY COASTLINE REQUIRE A HEAVIER
- AND LARGER PAD TO ACCOUNT FOR EXPOSURE D ; Table 28.3-1; Kz = 1.03
- 12) ALL OTHER UNITS NOT SHOWN SHALL BE DESIGNED ON A CASE BY CASE BASIS.
- 13) ALTERATIONS OR ADDITIONS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
- 14) EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
- 15) PADS ARE CONSTRUCTED WITH PRECAST CONCRETE, MINIMUM COMPRESSIVE STRENGTH, f'c=7,000 PSI AT 28 DAYS.
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- 5) RISK CATEGORY = II TABLE 1604.5 RISK CATEGORY OF BUILDINGS AND OTHER STRUCTURES, SECTION 301.15 OF THE MECHANICAL CODE, WIND RESISTANCE, AND 553.844 OF THE FLORIDA STATUTES STO

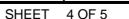
N333 Percent Powy-site 600 Non-Construction Non-Con	Diver	siTech Corporation	n	BUD EN	OINEEDING IIG				SPECIAL PA	PAD CONFIG.		
R UNIT/EQUIPMENT MAXIMUM DMENSIONS EQUIPMENT INCHES HURICANE				GO Solving Problems to	Minimize the Stress of Doing Business			** INDICATES	TWO HT4040-4 PADS	*** INDICATES		
O MAXIMUM DIMENSIONS INCHES MINIMUM WEIGHT MODEL MUDTH PAD UENGTH PAD LENGTH PAD THICK PAD THICK PAD UND Do (MIND LOAD 0.06(WIND MOMENT) 85 35.0 35.0 37.0 198 ZHT4080** 520 40 80 4.0 637 718 86 35.0 35.0 37.5 216 ZHT4080** 520 40 80 4.0 637 718 87 35.0 35.0 37.5 216 ZHT4080** 520 40 80 4.0 646 735 88 35.0 35.0 37.5 476 HT4040** 260 40 40 4.0 654 753 90 35.0 35.0 38.3 243 ZHT4080** 520 40 80 4.0 659 762 91 35.0 35.0 38.3 462 HT42424 265 42 42 4.0 663 772 91 3						USED IN				USED II		
W INCHES WEIGHT MUDTH LENGTH THICK LOAD MOMENT) # WIDTH LENGTH HEIGHT NUMBER LBS. IN. IN. IN. IN. IN. LENS. FTHES. 86 35.0 35.0 37.0 486 HT4040** 520 40 80 4.0 637 718 87 35.0 35.0 37.5 216 ZHT4080** 520 40 80 4.0 646 735 88 35.0 35.0 37.5 476 HT4040-4 260 40 40 4.0 646 735 90 35.0 35.0 38.0 234 ZHT4080** 520 40 80 4.0 654 753 91 35.0 38.3 243 ZHT4080** 520 40 80 4.0 663 772 92 35.0 38.5 522 ZHT4080** 520 40 <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th>HURRICANE</th><th></th><th></th><th></th><th></th><th></th></td<>							HURRICANE					
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95 35.0 35.0 39.0 270 ZHT4080** 520 40 80 4.0 672 790 96 35.0 35.0 35.0 35.0 35.0 35.0 35.0 36.0 39.2 275 ZHT4080** 520 40 80 4.0 672 790 97 35.0 35.0 39.2 275 ZHT4080** 520 40 80 4.0 674 795 98 35.0 35.0 39.2 275 ZHT4080** 520 40 80 4.0 674 795 99 35.0 35.0 39.2 492 HT4242-4 265 42 42 4.0 674 795 100 35.0 35.0 35.0 39.2 535 HT4080** 520 40 80 4.0 674 795 101 35.0 35.0 41.0 346 ZHT4080** 520 40 80 4.0	93	35.0	35.0	38.5		ZHT4080**	520	40	80	4.0	663	
96 35.0 35.0 39.0 488 HT4242-4 265 42 42 4.0 672 790 97 35.0 35.0 39.2 275 ZHT4080** 520 40 80 4.0 674 795 98 35.0 35.0 39.2 275 ZHT4080** 520 40 80 4.0 674 795 99 35.0 35.0 39.2 275 ZHT4080** 520 40 80 4.0 674 795 100 35.0 35.0 39.2 535 HT4040-4 260 40 40 4.0 674 795 101 35.0 35.0 41.0 346 ZHT4080** 520 40 80 4.0 706 866 102 35.0 35.0 41.0 346 ZHT4080** 520 40 80 4.0 706 866 103 35.0 35.0 41.0	94	35.0	35.0	38.5	512	HT4040-4	260	40	40	4.0	663	772
97 35.0 35.0 39.2 275 ZHT4080** 520 40 80 4.0 674 795 98 35.0 35.0 39.2 275 ZHT4080** 520 40 80 4.0 674 795 99 35.0 35.0 39.2 492 HT4242-4 265 42 42 4.0 674 795 100 35.0 35.0 39.2 535 HT4040-4 260 40 40 4.0 674 795 101 35.0 35.0 39.2 535 HT4040-4 260 40 40 4.0 674 795 101 35.0 35.0 41.0 346 ZHT4080** 520 40 80 4.0 706 866 102 35.0 35.0 41.0 560 HT4242-4 265 42 42 4.0 706 866 103 35.0 35.0 41.0 606 HT4040-4 260 40 40 4.0 723 905	95	35.0	35.0	39.0	270	ZHT4080**	520	40	80	4.0	672	790
98 35.0 35.0 39.2 275 ZHT4080** 520 40 80 4.0 674 795 99 35.0 35.0 39.2 492 HT4242-4 265 42 42 4.0 674 795 100 35.0 35.0 39.2 535 HT4040-4 260 40 40 4.0 674 795 101 35.0 35.0 41.0 346 ZHT4080** 520 40 80 4.0 674 795 102 35.0 35.0 41.0 346 ZHT4080** 520 40 80 4.0 706 866 102 35.0 35.0 41.0 560 HT4242-4 265 42 42 4.0 706 866 103 35.0 35.0 41.0 606 HT4040-4 260 40 40 4.0 706 866 104 35.0 35.0 42.0	96	35.0	35.0	39.0	488	HT4242-4	265	42	42	4.0	672	790
99 35.0 35.0 39.2 492 HT4242-4 265 42 42 4.0 674 795 100 35.0 35.0 39.2 535 HT4040-4 260 40 40 4.0 674 795 101 35.0 35.0 41.0 346 ZHT4080** 520 40 80 4.0 706 866 102 35.0 35.0 41.0 346 ZHT4080** 520 40 80 4.0 706 866 102 35.0 35.0 41.0 346 ZHT4080** 520 40 80 4.0 706 866 103 35.0 35.0 41.0 606 HT4242-4 265 42 42 4.0 706 866 104 35.0 35.0 41.0 606 HT4242-4 265 42 42 4.0 723 905 106 35.0 35.0 42.0	97	35.0	35.0	39.2	275	ZHT4080**	520	40	80	4.0	674	795
100 35.0 39.2 535 HT4040-4 260 40 40 4.0 674 795 101 35.0 35.0 41.0 346 ZHT4080** 520 40 80 4.0 706 866 102 35.0 35.0 41.0 346 ZHT4080** 520 40 80 4.0 706 866 102 35.0 35.0 41.0 346 ZHT4080** 520 40 80 4.0 706 866 103 35.0 35.0 41.0 560 HT4242-4 265 42 42 4.0 706 866 104 35.0 35.0 41.0 606 HT4040-4 260 40 40 4.0 706 866 105 35.0 35.0 42.0 255 ZHT4872*** 500 48 72 4.0 723 905 106 35.0 35.0 42.0 597 HT422-4 265 42 42 4.0 758 986 107 <td>98</td> <td>35.0</td> <td>35.0</td> <td>39.2</td> <td>275</td> <td>ZHT4080**</td> <td>520</td> <td>40</td> <td>80</td> <td>4.0</td> <td>674</td> <td>795</td>	98	35.0	35.0	39.2	275	ZHT4080**	520	40	80	4.0	674	795
10135.035.041.0346ZHT4080**52040804.070686610235.035.041.0346ZHT4080**52040804.070686610335.035.041.0560HT4242-426542424.070686610435.035.041.0606HT4040-426040404.070686610435.035.042.0255ZHT4872***50048724.072390510635.035.042.0597HT4242-426542424.072390510635.035.044.0322ZHT4872***50048724.075898610835.035.044.0674HT4242-426542424.075898610935.035.045.010ZHT5890****70058904.0775102711035.035.045.0508ZHT4080**52040804.0775102711135.035.045.0768HT4040-426040404.07751027	99	35.0	35.0	39.2	492	HT4242-4	265	42	42	4.0	674	795
102 35.0 35.0 41.0 346 ZHT4080** 520 40 80 4.0 706 866 103 35.0 35.0 41.0 560 HT4242-4 265 42 42 4.0 706 866 104 35.0 35.0 41.0 606 HT4040-4 260 40 40 4.0 706 866 105 35.0 35.0 42.0 255 ZHT4872*** 500 48 72 4.0 723 905 106 35.0 35.0 42.0 597 HT4242-4 265 42 42 4.0 723 905 106 35.0 35.0 44.0 322 ZHT4872*** 500 48 72 4.0 758 986 107 35.0 35.0 44.0 674 HT4242-4 265 42 42 4.0 758 986 108 35.0 35.0 45.0 10 ZHT5890**** 700 58 90 4.0 775 1027	100	35.0	35.0	39.2	535	HT4040-4	260	40	40	4.0	674	795
10335.035.041.0560HT4242-426542424.070686610435.035.041.0606HT4040-426040404.070686610535.035.042.0255ZHT4872***50048724.072390510635.035.042.0597HT4242-426542424.072390510735.035.044.0322ZHT4872***50048724.075898610835.035.044.0674HT4242-426542424.075898610935.035.045.010ZHT5890****70058904.0775102711035.035.045.0508ZHT4080**52040804.0775102711135.035.045.0768HT4040-426040404.07751027	101	35.0	35.0	41.0	346	ZHT4080**	520	40	80	4.0	706	866
10435.035.041.0606HT4040-426040404.070686610535.035.042.0255ZHT4872***50048724.072390510635.035.042.0597HT4242-426542424.072390510735.035.044.0322ZHT4872***50048724.075898610835.035.044.0674HT4242-426542424.075898610835.035.045.010ZHT5890****70058904.0775102711035.035.045.0508ZHT4080**52040804.0775102711135.035.045.0768HT4040-426040404.07751027	102	35.0	35.0	41.0	346	ZHT4080**	520	40	80	4.0	706	866
10535.035.042.0255ZHT4872***50048724.072390510635.035.042.0597HT4242-426542424.072390510735.035.044.0322ZHT4872***50048724.075898610835.035.044.0674HT4242-426542424.075898610835.035.045.010ZHT5890****70058904.0775102711035.035.045.0508ZHT4080**52040804.0775102711135.035.045.0768HT4040-426040404.07751027	103	35.0	35.0	41.0	560	HT4242-4	265	42	42	4.0	706	866
10635.035.042.0597HT4242-426542424.072390510735.035.044.0322ZHT4872***50048724.075898610835.035.044.0674HT4242-426542424.075898610935.035.045.010ZHT5890****70058904.0775102711035.035.045.0508ZHT4080**52040804.0775102711135.035.045.0768HT4040-426040404.07751027	104	35.0	35.0	41.0	606	HT4040-4	260	40	40	4.0	706	866
10735.035.044.0322ZHT4872***50048724.075898610835.035.044.0674HT4242-426542424.075898610935.035.045.010ZHT5890****70058904.0775102711035.035.045.0508ZHT4080**52040804.0775102711135.035.045.0768HT4040-426040404.07751027	105	35.0	35.0	42.0	255	ZHT4872***	500	48	72	4.0	723	905
10835.035.044.0674HT4242-426542424.075898610935.035.045.010ZHT5890****70058904.0775102711035.035.045.0508ZHT4080**52040804.0775102711135.035.045.0768HT4040-426040404.07751027	106	35.0	35.0	42.0	597	HT4242-4	265	42	42	4.0	723	905
10935.035.045.010ZHT5890****70058904.0775102711035.035.045.0508ZHT4080**52040804.0775102711135.035.045.0768HT4040-426040404.07751027	107	35.0	35.0	44.0	322	ZHT4872***	500	48	72	4.0	758	986
110 35.0 35.0 45.0 508 ZHT4080** 520 40 80 4.0 775 1027 111 35.0 35.0 45.0 768 HT4040-4 260 40 40 4.0 775 1027	108	35.0	35.0	44.0	674	HT4242-4	265	42	42	4.0	758	986
111 35.0 35.0 45.0 768 HT4040-4 260 40 40 4.0 775 1027	109	35.0	35.0	45.0	10	ZHT5890****	700	58	90	4.0	775	1027
	110	35.0	35.0	45.0	508	ZHT4080**	520	40	80	4.0	775	1027
112 35.0 35.0 45.9 35 ZHT5890**** 700 58 90 4.0 790 1065	111	35.0	35.0	45.0	768	HT4040-4	260	40	40	4.0	775	1027
	112	35.0	35.0	45.9	35	ZHT5890****	700	58	90	4.0	790	1065



HC-1 HURRICA (2) PER SIDE (8

MIN

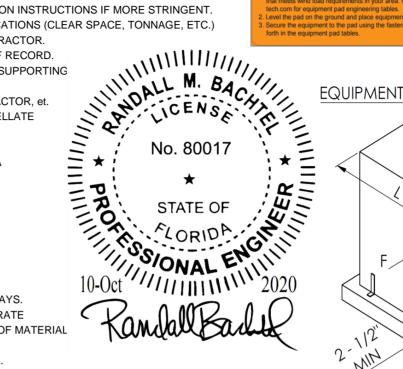
#175 MPH



the ballow address the following ballong code requirements and the state following ballong code requirements to the following Engineers: TO THICKNESS (in) = 4			HT-CLASS		DAD	
PAD MODEL# WEIGHT WIDTH LENGTH WIMD LOAD CALCS: HT2424-4 85 24 24 HT3303-4 165 32 32 30 HT3232-4 165 32 32 31 HT33345-4 215 33 45 HT3323-4 165 32 32 HT3362-4 265 38 52 HT4040-4 260 40 40 HT3628-4 265 42 42 HT4242-4 265 42 42 HT4242-7 360 36 72 JH1680 42 <th>uct meets the</th> <th>e following building code requirements</th> <th></th> <th>THICKNE</th> <th>PAD SS (in) =</th> <th>4</th>	uct meets the	e following building code requirements		THICKNE	PAD SS (in) =	4
H11840-4 150 18 40 H12424-4 85 24 24 36 H12424-4 85 24 24 36 H12330-4 120 24 36 30 H13436-4 120 24 36 30 H13436-4 120 24 36 30 H13434-4 125 33 45 31 H13454-4 250 36 48 HT3636-4 260 40 40 H17422-4 265 38 52 41 42 42 H17458-4 350 45 58 24 42 H17452-4 265 42 42 42 H17452-4 260 40 40 41 H17452-4 260 46 72 21 MIT5890*** 500 48 72 21 73 MIT5890*** 500 48 72 74 10 <	nical Volume oduct is mad	, Section 304.10 – clearance from grade. le from a minimum 7000PSI concrete.				LENGTH
WIND LOAD CALCS: WIND LOA	eight and win Ited per the F	d load requirements have been lorida Building Code, Chapter 16.				-
Image: constraint of the second sec	eering tables. tation, visit ou	. For up to date calculations and ur website www.diversitech.com				
Image: state of the s	100-995-2222					
WIND LOAD CALCS: WIND LOAD		DurperTreut :				
MT3636-4 180 36 36 36 HT3648-4 250 36 48 HT3652-4 265 38 52 HT4040-4 260 40 40 HT4242-4 265 42 42 HT4558-4 350 36 72 ZHT4000** 520 40 80 ZHT400** 520 48 72 ZHT400** 520 40 80 ZHT400** 520 48 72 ZHT40*** 500 48 72 ZHT40*** 500 48 72 ZHT487*** 500 48 72 ZHT487*** 500 48 72 ZHT5890**** 500 58 90		UIVERSILECH www.diversitech.com				
HT3852-4 265 38 52 HT4242-4 260 40 40 HT4242-4 265 42 42 HT4242-4 265 42 42 HT4242-4 265 42 42 HT4242-4 265 40 40 HT4242-4 265 42 42 HT4242-4 265 40 80 ZHT3607* 50 44 80 ZHT360** 520 40 80 ZHT480** 500 48 72 ZHT5890**** 500 48 72 Jone Wind Speed V = 180 MPH 80 F = q2*G*C*A 469.29.2-2 70.65 *41 (bs) qz = 0.0025*K*K*Az*K*0*V2 63.45 PSF Exposure C: Table 28.31 Kz = 0.85 Figure 28.51 C = 0.85 OK (UNIT+ PAD RESISTING DESIGN CHECK UBS. FT-LBS. CHECK EES F54 OK		6650 Sugarloat Parkway Duluth, GA 30097 RM0186				
HT4040-4 260 40 40 HT4242-4 265 42 42 HT45584 350 45 58 ZHT3672* 360 36 72 ZHT4827** 500 48 72 ZHT4827*** 500 48 72 ANE CLIP Wind Speed V = 180 MPH F = qz*G*C*At*K**K**K**K*V*Y*2 = 83.45 PSF Exposure C ; Table 28.51 Kz = 0.30 Table 28.61 Kt = 0.90 Table 28.61 Kz = 0.30 Figure 28.51 G = 0.85 G = 0.85 G = 0.85 G = 0.85 MEM LOSS MTIGATION. RESISTING DESIGN MPH 431 718 OK FOR 180 MPH 4412 736 OK FOR				250		
HT4242-4 265 42 42 HT4558-4 350 36 72 ZHT3672* 360 36 72 ZHT4872*** 500 48 72 ZHT4872*** 500 48 72 ZHT4872*** 700 58 90 ANE CLIP Wind Speed V = 180 MPH F = q2*67/4 (Eq. 29-2) = 70.65 *4 (lbs) qz = 0.00256*K2*K2t*Kd*V*2 = 63.45 PSF Figure 28.1 Kz = 1.00 Table 26.6-1 Kd = 0.30 Figure 28.1 Kz = 1.00 Table 26.6-1 Kd = 0.30 Figure 28.1 Kz = 1.00 Table 26.6-1 Kd = 0.30 Figure 28.1 Kz = 1.00 Table 26.6-1 Kd = 0.30 Figure 29.5-1 Cf = 1.31 ED IN A 58* x 90* SHAPE G = 0.85 431 718 OK FOR MOHH 442 736 OK FOR 443 7736 OK FOR 180 4452 754 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>						
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- HT-CLASS HURRICANE PAD FOR ALL COUNTIES WITH A MAXIMUM WIND SPEED UP TO 180 M.P.H
- 2) THE PAD AND THE SUPPORTED EQUIPMENT MUST BE LOCATED AT GROUND LEVEL. THIS TABLE DOES NOT APPLY TO ROOFTOP EQUIPMENT.
- EQUIPMENT LOCATED ON BALCONIES, OR ANY OTHER EQUIPMENT TO BE ELEVATED ABOVE GROUND LEVEL.
- 3) THE AREA UNDER CONCERETE SLAB ON GROUND SHALL HAVE ALL MATERIALS REMOVED PRIOR TO INSTALLATION ON COMPACTED SOIL AS VERIFIED. BY OTHERS. MINIMUM SOIL COEFFICIENT OF FRICTION = 0.25
- 4) MAXIMUM DIMENSIONS AND WEIGHT OF UNIT / EQUIPMENT SHALL CONFORM TO SPECIFICATIONS STATED HEREIN. PAD WEIGHT TO BE VERIFIED BY OTHERS.
- 5) ORIGINAL EQUIPMENT MANUFACTURER INSTALLATION INSTRUCTIONS SUPERSEDE HURRICANE PAD INSTALLATION INSTRUCTIONS IF MORE STRINGENT.
- 6) ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS. ALL MECHANICAL SPECIFICATIONS (CLEAR SPACE, TONNAGE, ETC.) SHALL BE AS PER MANUFACTURER RECOMMENDATIONS AND ARE THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR.
- 7) THE ROLE OF THIS ENGINEER FOR THIS PROJECT IS THAT OF SPECIALTY ENGINEER AND NOT THE ENGINEER OF RECORD. CONSEQUENTLY, THE ARCHITECT/ENGINEER OF RECORD SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR.
- 8) ENGINEER SEAL AFFIXED HERETO VALIDATES STRUCTURAL DESIGN AS SHOWN, USE OF THIS SPEC, BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION. SYSTEM ERECTION. CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
- 9) THIS ENGINEER SHALL NOT BE HELD RESPONSIBLE/LIABLE IN ANY WAY FOR ERRONEOUS OR INACCURATE DATA OR MEASUREMENTS. DIMENSIONS ARE SHOWN TO ILLUSTRATE DESIGN FORCES AND OTHER DESIGN CRITERIA. THEY MAY VARY SLIGHTLY, BUT MUST REMAIN WITHIN THE LIMITATIONS SPECIFIED HEREIN.
- 10) THIS DOCUMENT IS GENERIC AND DOES NOT PERTAIN TO ANY SPECIFIC PROJECT SITE.
- 11) PADS / UNITS INSTALLED DIRECTLY ON ANY COASTLINE REQUIRE A HEAVIER
- AND LARGER PAD TO ACCOUNT FOR EXPOSURE D ; Table 28.3-1; Kz = 1.03
- 12) ALL OTHER UNITS NOT SHOWN SHALL BE DESIGNED ON A CASE BY CASE BASIS.
- 13) ALTERATIONS OR ADDITIONS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
- 14) EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
- 15) PADS ARE CONSTRUCTED WITH PRECAST CONCRETE, MINIMUM COMPRESSIVE STRENGTH, f'c=7,000 PSI AT 28 DAYS.
- 16) THIS ENGINEER SHALL BE GIVEN AN OPPORTUNITY TO RE-EVALUATE THIS WORK UPON DISCOVERY OF INACCURATE INFORMATION PRIOR TO MODIFICATION OF EXISTING FIELD CONDITIONS AND FABRICATION AND INSTALLATION OF MATERIAL ENGINEERING DATA:
- 1) ANALYSES PER 7th EDITION (2020) FLORIDA BUILDING CODE SECTION 1620 HIGH VELOCITY HURRICANE ZONES.
- 2) WIND LOADS & LOAD COMBINATIONS PER ASCE 7-10 SECTION 2.4.1 (LOAD COMBINATIONS), SECTION 29.5 & FIGURE 29.5.1 FOR: WIND LOADS ON OTHER STRUCTURES. 3) EQUIPMENT TO BE ANCHORED TO THE PAD USING (8) DIVERSITECH HC-1 CLIPS. CENTER ALL EQUIPMENT ON PADS. ATTACH CLIPS TO EQUIP (22 GAGE METAL MIN) WITH
- 1/4" BLUE / WHITE OR STAINLESS TAPCON CONCRETE ANCHORS WITH MINIMUM OF 1" EMBEDMENT. MINIMUM TAPCON SPECIFICATION: 700 LB PULLOUT / 900 LB SHEAR.
- 4) ALL EQUIPMENT REQUIRING TWO PADS ARE TO USE (12) TOTAL HC-1 CLIPS, FOUR (4) PER LENGTH AND TWO (2) PER WIDTH. 5) RISK CATEGORY = II TABLE 1604.5 - RISK CATEGORY OF BUILDINGS AND OTHER STRUCTURES, SECTION 301.15 OF THE MECHANICAL CODE, WIND RESISTANCE, AND 553.844 OF THE FLORIDA STATUTES STO

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Duluth	n, GA 30097 (80				USED IN	N A 36" x 72" SHAPE		IN A 40" x 80" SHAPE	USED II	N A 48" x 72" SHAPE	USE
R		INIT / EQUIPME		EQUIPMENT		HURRICANE		PAD USED		180	
0	MA	XIMUM DIMENS	IONS	MINIMUM			PAD	PAD	PAD	WIND	0.6(WIND
W		INCHES		WEIGHT	MODEL	WEIGHT	WIDTH	LENGTH	THICK	LOAD	MOMENT)
#	WIDTH	LENGTH	HEIGHT	LBS.	NUMBER	LBS.	IN.	IN.	IN.	LBS.	FT-LBS.
113	35.0	35.0	45.9	597	HT4558-4	350	45	58	4.0	790	1065
114	35.0	49.0	22.2	10	HT4558-4	350	45	58	4.0	535	405
115	35.0	49.0	30.2	269	HT4558-4	350	45	58	4.0	728	696
116	35.0	49.0	34.2	226	ZHT4872***	500	48	72	4.0	824	871
117	35.0	49.0	34.2	424	HT4558-4	350	45	58	4.0	824	871
118	35.0	63.0	38.2	244	ZHT5890****	700	58	90	4.0	1183	1368
119	35.0	70.0	31.0	519	ZHT4080***	520	40	80	4.0	1065	1039
120	35.0	70.0	35.0	773	ZHT4080***	520	40	80	4.0	1203	1293
121	35.5	37.0	41.0	263	ZHT4872***	500	48	72	4.0	746	915
122	35.5	37.0	41.0	607	HT4242-4	265	42	42	4.0	746	915
123	35.5	37.0	43.0	333	ZHT4872***	500	48	72	4.0	783	999
124	35.5	37.0	43.0	687	HT4242-4	265	42	42	4.0	783	999
125	35.5	40.0	35.0	118	ZHT4872***	500	48	72	4.0	689	741
126	35.5	40.0	35.0	309	HT4558-4	350	45	58	4.0	689	741
127	35.5	40.0	38.0	218	ZHT4872***	500	48	72	4.0	748	861
128	35.5	40.0	38.0	416	HT4558-4	350	45	58	4.0	748	861
129	35.5	40.0	40.5	10	ZHT5890****	700	58	90	4.0	797	967
130	35.5	40.0	40.5	510	HT4558-4	350	45	58	4.0	797	967
131	35.5	40.0	42.0	14	ZHT5890****	700	58	90	4.0	826	1034
132	35.5	40.0	42.0	570	HT4558-4	350	45	58	4.0	826	1034
133	35.5	40.0	44.0	77	ZHT5890****	700	58	90	4.0	866	1126
134	35.5	40.0	44.0	652	HT4558-4	350	45	58	4.0	866	1126
135	35.5	40.0	45.0	110	ZHT5890****	700	58	90	4.0	885	1174
136	35.5	40.0	45.0	694	HT4558-4	350	45	58	4.0	885	1174
137	35.5	40.0	46.0	144	ZHT5890****	700	58	90	4.0	905	1223
138	35.5	40.0	46.0	737	HT4558-4	350	45	58	4.0	905	1223
139	35.5	40.0	47.4	190	ZHT5890****	700	58	90	4.0	931	1289
140	35.5	40.0	47.4	796	HT4558-4	350	45	58	4.0	931	1289





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To CANDY All and the second secon	LENGTH 40 24 36 30 32 45 36 48 52 40 42 58 72 80 72 90 ^{MPH} *Af (lbs) PSF	SS (in) = WIDTH 18 24 24 30 32 33 36 36 38 40 42 45 36 40 42 45 36 40 48 58 58 LCS: 180 70.65 63.45	WEIGHT 160 85 120 127 165 215 180 250 265 260 265 350 360 520 500 700	TO PAD MODEL# HT1840-4 HT2424-4 HT2436-4 HT3030-4 HT3232-4 HT3345-4 HT3636-4 HT3648-4 HT3648-4 HT3652-4 HT4040-4 HT4242-4 HT4558-4 ZHT3672* ZHT4080** ZHT4872*** ZHT4872***	in following fundamental (consulting Exponents) (a success of the success of the success (consulting Exponents) (consulting Exponents) (consultin	The product meets P The product meets P A meeting of the product meets P A meeting of the product meeting of th	a. Go to wes. ment on the stening me
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N T State State </th <th>72 90 MPH *Af (lbs) PSF</th> <th>48 58 58 LCS: 180 70.65 63.45</th> <th>500 700</th> <th>ZHT4872*** ZHT5890****</th> <th></th> <th></th> <th></th>	72 90 MPH *Af (lbs) PSF	48 58 58 LCS: 180 70.65 63.45	500 700	ZHT4872*** ZHT5890****			
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