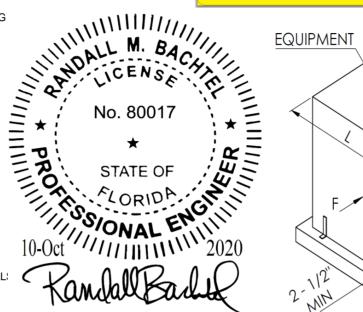
LIMITS & REQUIREMENTS OF USE: HURRICANE PAD - FOR ALL COUNTIES WITH A MAXIMUM WIND SPEED UP TO H-CLASS 150 M.P.H. 2) THE PAD AND THE SUPPORTED EQUIPMENT MUST BE LOCATED AT GROUND LEVEL. THIS TABLE DOES NOT APPLY TO ROOFTOP EQUIPMENT. EQUIPMENT LOCATED ON BALCONIES, OR ANY OTHER EQUIPMENT TO BE ELEVATED 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 1. Choose acceptable equipment pad size and fa 4) MAXIMUM DIMENSIONS AND WEIGHT OF UNIT / EQUIPMENT SHALL CONFORM TO SPECIFICATIONS STATED HEREIN. PAD WEIGHT TO BE VERIFIED BY OTHERS. that meets wind load requirements in your area. Go to www.c 5) O.E.M. INSTALLATION INSTRUCTIONS (INCL. O.E.M. CLIPS) SUPERSEDE HURRICANE PAD INSTALLATION INSTRUCTIONS & USE OF HC-1 CLIPS, IF MORE STRINGENT tech.com for equipment pad engineering tables. 6) ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS, ALL MECHANICAL SPECIFICATIONS (CLEAR SPACE, TONNAGE, ETC.) Level the pad on the ground and place equipment on the pad. Secure the equipment to the pad using the fastening methods set SHALL BE AS PER MANUFACTURER RECOMMENDATIONS AND ARE THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR. forth in the equipment pad tables. 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. EQUIPMENT 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) EQUIP. TO BE ANCHORED TO PAD USING (8) DIVERSITECH HC-1 (OR O.E.M. 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 O	F BUILDINGS AND O	THER STRUCTURES	SECTION 301.15 OF	THE MECHANIC	AL CODE, WIND RESIS	STANCE, AND 553.8	44 OF THE FLORIDA	STATUTES STOP
Dive	siTech Corporation	า		DMD EN	CINEED				SPECIAL P	AD CONFIG.	
3039	Premiere Pkwy - S	Suite 600			GINEERI		* INDICATES	TWO H3642-4 PADS	** INDICATES	TWO H4558-4 PADS	;
Dulut	h, GA 30097 (800				Minimize the Stress			IN A 42" x 72" SHAPE	USED I	N A 58" x 90" SHAPE	
R		NIT / EQUIPMEN		EQUIPMENT		HURRICANE	H-CLASS	PAD USED) MPH
0	MAX	KIMUM DIMENSI	ONS	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.
1	13.0	35.0	20.0	89	H3060-4	135	30	60	4.0	239	168
2	13.0	35.0	20.0	282	H1840-4	92	18	40	4.0	239	168
3	13.0	35.0	22.0	129	H3060-4	135	30	60	4.0	263	198
4	13.0	35.0	22.0	348	H1840-4	92	18	40	4.0	263	198
5	13.0	35.0	24.0	172	H3060-4	135	30	60	4.0	287	230
6	13.0	35.0	24.0	420	H1840-4	92	18	40	4.0	287	230
7	23.2	23.2	25.4	88	H3060-4	135	30	60	4.0	200	167
8	23.2	23.2	25.4	153	H3030-4	70	30	30	4.0	200	167
9	23.2	23.2	28.7	99	H3648-4	133	36	48	4.0	227	208
10	23.2	23.2	28.7	132	H3636-4	100	36	36	4.0	227	208
11	24.8	24.8	28.7	108	H3652-4	140	36	52	4.0	243	223
12	24.8	24.8	28.7	148	H3636-4	100	36	36	4.0	243	223
13	25.8	25.8	25.4	101	H3345-4	125	33	45	4.0	223	186
14	25.8	25.8	25.4	178	H3030-4	70	30	30	4.0	223	186
15	25.8	25.8	28.7	86	H3842-4	158	38	42	4.0	252	232
16	25.8	25.8	28.7	158	H3636-4	100	36	36	4.0	252	232
17	25.8	25.8	32.4	76	H4558-4	180	45	58	4.0	284	287
18	25.8	25.8	32.4	148	H4040-4	140	40	40	4.0	284	287
19	25.8	25.8	32.4	133	H3865-4	170	38	65	4.0	285	287
20	25.8	25.8	32.4	220	H3636-4	100	36	36	4.0	285	287
21	29.3	33.0	39.8	150	H5557-4	240	55	57	4.0	448	536
22	29.3	33.0	39.8	297	H4558-4	180	45	58	4.0	448	536
23	31.0	55.0	27.0	297	H3865-4	170	38	65	4.0	506	443
24	31.0	55.0	31.0	306	ZH4272*	234	42	72	4.0	581	567
25	31.2	31.2	25.4	80	H3842-4	158	38	42	4.0	270	226
							DACE				



$ \begin{array}{c} \mbox{FLORDABULING COENTIE} \\ \mbox{Flore} $	_			H-CLASS		PAD	
PAD MODEL# WIGHT WIGHT WIGHT WIGHT Page decker		This product meets the	he following building code requirements		THICKNE		4
Mite Load 92 18 40 Mite Load 92 13 36 Mite Load 135 30 60 Mite Load 135 168 10 36 52 Mite Load 133 33 44 34 34 Mite Load 10 36 52 133 52 133 52 Mite Load 10 36 52 133 52 133 52 Mite Load 140 40 40 42 42 42 43 44 436 42 436 436 52 57 7 74 168 52 168 <th>5</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	5						
DMPH H2424-4 50 24 24 H2436-4 70 30 30 H3060-4 135 30 60 H3030-4 70 30 30 H3030-4 70 30 30 H3030-4 70 30 30 H3030-4 70 30 30 H3334-4 125 33 45 H3343-4 94 34 34 H3364-4 100 36 36 H3424-4 158 36 42 H3424-4 170 36 52 H344-4 133 36 48 H3652-4 140 36 52 H386-4 170 38 65 H3424-4 158 38 42 H3862-4 140 40 40 H4242-4 158 36 56 Participicicicicicicicicicicicicicicicicici		This product is ma 2. Pad weight and wi	ide from a minimum 7000PSI concrete. Ind load requirements have been			18	
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Normalization Normalis at this at the second second second second second second seco	U	the engineering table documentation, visit of	s. For up to date calculations and our website www.diversitech.com				
H3060-4 135 30 60 H3060-4 135 30 60 H3021-4 87 32 32 JI Ji 333-44 94 34 H3345-4 100 36 36 H3342-4 117 36 42 H3342-4 117 36 42 H3648-4 100 36 56 H3662-4 140 36 52 H3662-4 140 36 52 H3662-4 140 36 52 H3662-4 140 40 40 H4040-4 140 40 40 H4040-4 140 40 40 H4040-4 140 45 58 Statutes 186 145 58 H4040-4 140 42 172 Jimus Speet Statutes 184 23 MORENT Figure 28.51 Ket anot NPH Figure 28.51 Ket anot 108 167 Statutes		method	2				
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Minimum Minimum H3345-4 125 33 45 1	ent on	the pad.	NIVERGITECH				
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Min Hassack Ha							
JI H3642-4 117 36 42 H3642-4 113 36 48 H3642-4 133 36 48 H3642-4 140 36 52 H3642-4 158 38 42 H3652-4 140 36 52 H3652-4 140 40 40 H3652-4 140 40 40 H3655-4 140 40 40 H4242-4 145 38 52 H3655-74 140 40 40 H4242-4 145 55 57 ZH4272* 234 42 72 ZH5890** 360 58 90 Statutes tom F= qz'G'C'A'A' (Gq. 29.5-2) = 49.07 *A' (Ibs) qz = 0.00256'Kz'Kz'Kd'V'Z = 24.06 PSF Figure 26.1 Kz = 0.05 Statutes tom NPH YA' (Ibs) PSF Figure 26.1 Kz = 0.07 Table 26.1 Kz = 0.07 Figure 26.1 <					-		
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LIMITS & REQUIREMENTS OF USE:

- H-CLASS HURRICANE PAD - FOR ALL COUNTIES WITH A MAXIMUM WIND SPEED UP TO 150 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) O.E.M. INSTALLATION INSTRUCTIONS (INCL. O.E.M. CLIPS) SUPERSEDE HURRICANE PAD INSTALLATION INSTRUCTIONS & USE OF HC-1 CLIPS, 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 MATERIALS. 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) EQUIP. TO BE ANCHORED TO PAD USING (8) DIVERSITECH HC-1 (OR O.E.M. 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 = IL 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 STORM

,				BUILDINGS AND OT	TILK STRUCTURES,	SECTION 301.15 OF		CODE, WIND RESIST	•		STATUTES STORIN
	iTech Corporation			RMB ENG	AINEERI	ING LLC		TINO 1100 10 1 DADO		AD CONFIG.	
	Premiere Pkwy - S , GA 30097 (800		S S S	olving Problems to I	Minimize the Stress	of Doing Business		TWO H3642-4 PADS IN A 42" x 72" SHAPE		TWO H4558-4 PADS N A 58" x 90" SHAPE	
R		JNIT / EQUIPMEN	Т	EQUIPMENT		HURRICANE	H-CLASS	PAD USED	03201		-) MPH
0							PAD	PAD	PAD	WIND	0.6(WIND
w	1017-3.	INCHES		WEIGHT	MODEL	WEIGHT	WIDTH	LENGTH	THICK	LOAD	MOMENT)
#	WIDTH	LENGTH	HEIGHT	LBS.	NUMBER	LBS.	IN.	IN.	IN.	LBS.	FT-LBS.
26	31.2	31.2	25.4	151	H3636-4	100	36	36	4.0	270	226
27	31.2	31.2	28.4	131	H3842-4	158	38	42	4.0	302	275
28	31.2	31.2	28.4	206	H3636-4	100	36	36	4.0	302	275
29	31.2	31.2	29.0	143	H3842-4	158	38	42	4.0	309	285
30	31.2	31.2	29.0	218	H3636-4	100	36	36	4.0	309	285
31	31.2	31.2	30.0	18	H5557-4	240	55	57	4.0	320	304
32	31.2	31.2	30.0	165	H4040-4	140	40	40	4.0	320	304
33	31.2	31.2	30.0	163	H3842-4	158	38	42	4.0	320	304
34	31.2	31.2	30.0	239	H3636-4	100	36	36	4.0	320	304
35	31.2	31.2	32.4	130	H4558-4	180	45	58	4.0	345	348
36	31.2	31.2	32.4	208	H4040-4	140	40	40	4.0	345	348
37	31.2	31.2	32.4	130	H4558-4	180	45	58	4.0	345	348
38	31.2	31.2	32.4	209	H4040-4	140	40	40	4.0	345	348
39	31.2	31.2	32.4	130	H4558-4	180	45	58	4.0	345	348
40	31.2	31.2	32.4	209	H4040-4	140	40	40	4.0	345	348
41	31.2	31.2	35.8	64	H5557-4	240	55	57	4.0	381	417
42	31.2	31.2	35.8	192	H4558-4	180	45	58	4.0	381	417
43	31.2	31.2	35.8	278	H4040-4	140	40	40	4.0	381	417
44	31.2	31.2	39.2	258	H4558-4	180	45	58	4.0	417	492
45	31.2	31.2	39.2	118	H5557-4	240	55	57	4.0	417	492
46	31.2	31.2	39.2	324	H4242-4	145	42	42	4.0	417	492
47	31.2	35.0	28.4	149	H4242-4	145	42	42	4.0	339	308
48	31.2	35.0	28.4	226	H3642-4	117	36	42	4.0	339	308
49	33.8	33.8	35	205	H4558-4	180	45	58	4.0	402	433
50	33.8	33.8	39	144	H5557-4	240	55	57	4.0	448	527

AGE, E. EQUIPMENT BACH 2-112

IRRICA

tech.com for equipment pad engineering tables

forth in the equipment pad tables.

Choose acceptable equipment pad size and fastening method

2. Level the pad on the ground and place equipment on the pad . Secure the equipment to the pad using the fastening methods set

that meets wind load requirements in your area. Go to www.dive

HC-1 HURRIC (2) PER SIDE

F 🗡

MIN

PAGE 2 OF 4

		H-CLASS	PAD							
uct meets th	NG CODE NOTICE le following building code requirements ter Consulting Engineers:	TO		ESS (in) =						
nical Volum	e, Section 304.10 – clearance from grade. de from a minimum 7000PSI concrete.	PAD MODEL#	WEIGHT	WIDTH	LENGTH					
ight and wir	nd load requirements have been Florida Building Code, Chapter 16.	H1840-4	92	18	40					
ering tables	achment methods as indicated on s. For up to date calculations and	H2424-4	50 70	24 24	24					
ation, visit o 00-995-222	our website www.diversitech.com 2.	H2436-4 H3030-4	70 70	24 30	36 30					
		H3060-4	135	30	60					
	DIVERSITECH	H3232-4	87	32	32					
	www.diversitech.com 6650 Sugarloaf Parkway	H3345-4	125	33	45					
	Duluth, GA 30097 RM0185	H3434-4	94	34	34					
		H3636-4	100	36	36					
		H3642-4	117	36	42					
		H3648-4	133	36	48					
		H3652-4	140	36	52					
		H3842-4	158 145	38 38	42					
		H3852-4 H3865-4	145	38	52 65					
		H4040-4	140	30 40	40					
/	W T	H4242-4	140	40	40					
	, I	H4558-4	180	45	58					
	,	H5557-4	240	55	57					
4" F	ROM	ZH4272*	234	42	72					
	RNERS	ZH5890**	360	58	90					
/										
\swarrow										
	[_] PAD ∖	WI	ND LOAD CA	LCS:						
		Wind Speed V = 150 MPH								
		F = qz*G*Cf*Af (E	•		*Af (lbs)					
(8)	TOTAL	qz = 0.00256*Kz*Kzt*Kd*V^2 = 44.06 PSF								
		Exposure C ; Table		0.85						
M LC	SS MITIGATION.	Figure 26.								
		Table 26.								
		Figure 29		-						
-	0.6(UNIT+		G =	0.85						
	PAD)	RESISTING		DESIGN						
	WEIGHT	MOMENT		CHECK						
'	LBS.	FT-LBS.		UNLON						
	151	226	OK FOR	150	MPH					
	174	275	OK FOR	150	MPH					
	183	275	OK FOR	150	MPH					
	181	286	OK FOR	150	MPH					
	191	286	OK FOR	150	MPH					
	155	355	OK FOR	150	MPH					
	183	305	OK FOR	150	MPH					
	193	305	OK FOR	150	MPH					
	203	305	OK FOR	150	MPH					
	186	348	OK FOR	150	MPH					
	209	348	OK FOR	150	MPH					
	186	349	OK FOR	150	MPH					
	209	349	OK FOR	150	MPH					
	186	349	OK FOR	150	MPH					
	209	349	OK FOR	150	MPH					
	182	418	OK FOR	150	MPH					
	223	418	OK FOR	150	MPH					
	251	418	OK FOR	150	MPH					
	263	493	OK FOR	150	MPH					
	215	493	OK FOR	150	MPH					
	281	492	OK FOR	150	MPH					
	176	308	OK FOR	150	MPH					
	206	308	OK FOR	150	MPH					
	231	433	OK FOR	150	MPH					
	230	528	OK FOR	150	MPH					

LIMITS & REQUIREMENTS OF USE: H-CLASS HURRICANE PAD - FOR ALL COUNTIES WITH A MAXIMUM WIND SPEED UP TO 150 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 1. Choose acceptable equipment pad size and fa 4) MAXIMUM DIMENSIONS AND WEIGHT OF UNIT / EQUIPMENT SHALL CONFORM TO SPECIFICATIONS STATED HEREIN. PAD WEIGHT TO BE VERIFIED BY OTHERS. that meets wind load requirements in your area. Go to www. 5) O.E.M. INSTALLATION INSTRUCTIONS (INCL. O.E.M. CLIPS) SUPERSEDE HURRICANE PAD INSTALLATION INSTRUCTIONS & USE OF HC-1 CLIPS, IF MORE STRINGENT tech.com for equipment pad engineering tables. 6) ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS, ALL MECHANICAL SPECIFICATIONS (CLEAR SPACE, TONNAGE, ETC.) Level the pad on the ground and place equipment on the pad. ATE No. 80017 Secure the equipment to the pad using the fastening methods set SHALL BE AS PER MANUFACTURER RECOMMENDATIONS AND ARE THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR. forth in the equipment pad tables. 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. EQUIPMENT 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) EQUIP. TO BE ANCHORED TO PAD USING (8) DIVERSITECH HC-1 (OR O.E.M. 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. DISK CATEGORY OF BUILDINGS AND OTHER STRUCTURES. SECTION 201 15 OF THE MECHANICAL CODE WIND RESISTANCE AND 552 944 OF THE ELOPIDA STATUTES

5)	RISK CATEGORY =	II TABLE 1604.5 -	RISK CATEGORY O	F BUILDINGS AND C	THER STRUCTURES,	SECTION 301.15 OF	THE MECHANIC	AL CODE, WIND RESI	STANCE, AND 553.84	44 OF THE FLORIDA	STATUTES STOP
Dive	rsiTech Corporation	n			GINEERI					AD CONFIG.	
	Premiere Pkwy - S			Diving Droblems to	Minimize the Stress		* INDICATES	TWO H3642-4 PADS	** INDICATES	TWO H4558-4 PADS	\$
	th, GA 30097 (800				Minimize the Stress			IN A 42" x 72" SHAPE	USED I	N A 58" x 90" SHAPE	
R		INIT / EQUIPMEN		EQUIPMENT		HURRICANE	H-CLASS	PAD USED) MPH
0	MAX	XIMUM DIMENSI	ONS	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.
51	33.8	33.8	45	259	H5557-4	240	55	57	4.0	517	686
52	35.0	35.0	29.0	105	H4558-4	180	45	58	4.0	346	320
53	35.0	35.0	29.0	160	H4242-4	145	42	42	4.0	346	320
54	35.0	35.0	29.0	181	H4040-4	140	40	40	4.0	346	320
55	35.0	35.0	32.4	167	H4558-4	180	45	58	4.0	386	390
56	35.0	35.0	32.4	251	H4040-4	140	40	40	4.0	386	390
57	35.0	35.0	32.4	168	H4558-4	180	45	58	4.0	387	390
58	35.0	35.0	32.4	251	H4040-4	140	40	40	4.0	387	390
59	35.0	35.0	35.8	101	H5557-4	240	55	57	4.0	428	468
60	35.0	35.0	35.8	237	H4558-4	180	45	58	4.0	428	468
61	35.0	35.0	35.8	329	H4040-4	140	40	40	4.0	428	468
62	35.0	35.0	39.2	412	H4040-4	140	40	40	4.0	468	552
63	35.0	35.0	39.2	162	H5557-4	240	55	57	4.0	468	552
64	35.0	35.0	39.2	311	H4558-4	180	45	58	4.0	468	552
65	35.0	35.0	42.4	225	H5557-4	240	55	57	4.0	507	639
66	35.0	35.0	42.4	388	H4558-4	180	45	58	4.0	507	639
67	35.0	35.0	42.5	228	H5557-4	240	55	57	4.0	508	642
68	35.0	35.0	42.5	391	H4558-4	180	45	58	4.0	508	642
69	35.0	35.0	44.5	269	H5557-4	240	55	57	4.0	532	699
70	35.0	35.0	44.5	442	H4558-4	180	45	58	4.0	532	699
71	35.0	35.0	45.9	298	H5557-4	240	55	57	4.0	548	739
72	35.0	35.0	45.9	478	H4558-4	180	45	58	4.0	548	739
73	35.0	35.0	46.0	479	H4558-4	180	45	58	4.0	549	741
74	35.0	35.0	46.0	300	H5557-4	240	55	57	4.0	549	741
75	35.0	35.0	46.0	561	H4242-4	145	42	42	4.0	549	741
							DAGE				



SSIONAL 10-Oc 2-112 MIN

HC-1 HURRIC (2) PER SIDE

F 🖊

		H-CLASS	PAD							
BUILDING CODE NOTICE ct meets the following building code requirements ad by Master Consulting Engineers:		TO	THICKNE	ESS (in) =	4					
nical Volume	e, Section 304.10 – clearance from grade.	PAD MODEL#	WEIGHT	WIDTH	LENGTH					
ight and wir	de from a minimum 7000PSI concrete. nd load requirements have been Florida Building Code, Chapter 16.	H1840-4	92	18	40					
scribed atta	achment methods as indicated on	H2424-4	50	24	24					
	s. For up to date calculations and ur website www.diversitech.com 2	H2436-4	70	24	36					
0-555-222		H3030-4	70	30	30					
		H3060-4	135	30	60					
	DIVERSITECH	H3232-4	87	32	32					
	www.diversitech.com 6650 Sugarloaf Parkway	H3345-4	125	33	45					
	Duluth, GA 30097 RM0165	H3434-4	94	34	34					
		H3636-4	100	36	36					
		H3642-4	117	36	42					
		H3648-4	133	36	48					
		H3652-4	140	36	52					
	\searrow	H3842-4	158	38	42					
		H3852-4	145	38	52					
		H3865-4	170	38	65					
		H4040-4	140	40	40					
/	WT	H4242-4	145	42	42					
		H4558-4	180	45	58					
		H5557-4	240	55	57					
4" F	ROM	ZH4272*	234	42	72					
	RNERS	ZH5890**	360	58	90					
-0										
/	/X									
//										
\succ										
	`PAD ∖	WI	ND LOAD CA	ALCS:						
• ^ ^		Wind Speed V = 150 MPH								
		F = qz*G*Cf*Af (E			*Af (lbs)					
(ð)	TOTAL	qz = 0.00256*Kz*Kz	zt*Kd*V^2 =	44.06	PSF					
		Exposure C ; Table	28.3-1 Kz =	0.85						
RM	LOSS MITIGATION.	Figure 26.8-1 Kzt = 1.00								
		Table 26.	6-1 Kd =	0.90						
		Figure 29.5-1 Cf = 1.31								
			G =	0.85						
	0.6(UNIT+									
	PAD)	RESISTING		DESIGN						
)	WEIGHT	MOMENT		CHECK						
	LBS.	FT-LBS.								
	300	686	OK FOR	150	MPH					
	171	321	OK FOR	150	MPH					
	183	321	OK FOR	150	MPH					
	192	321	OK FOR	150	MPH					
_	208	391	OK FOR	150	MPH					
	208	391	OK FOR	150	MPH					
			OK FOR		MPH					
	209	391		150						
	235	391	OK FOR	150	MPH					
	205	469	OK FOR	150	MPH					
	250	469	OK FOR	150	MPH					
	281	469	OK FOR	150	MPH					
	331	552	OK FOR	150	MPH					
	241	552	OK FOR	150	MPH					
	295	552	OK FOR	150	MPH					
	279	639	OK FOR	150	MPH					
	341	639	OK FOR	150	MPH					
	281	643	OK FOR	150	MPH					
	343	643	OK FOR	150	MPH					
	305	700	OK FOR	150	MPH					
	373	700	OK FOR	150	MPH					
_	323	740	OK FOR	150	MPH					
_			OK FOR	150	MPH					
	395	740								
	396	742	OK FOR	150	MPH					
	324	742	OK FOR	150	MPH					
	424	742	OK FOR	150	MPH					

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AND LARGER PAD TO ACCOUNT FOR EXPOSURE D ; Table 28.3-1; Kz = 1.03

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5)	RISK CATEGORY =	II TABLE 1604.5 -	RISK CATEGORY O	F BUILDINGS AND O	THER STRUCTURES,	SECTION 301.15 OF	THE MECHANIC	AL CODE, WIND RESI			STATUTES STOP
	siTech Corporation				GINEERI					AD CONFIG.	
	Premiere Pkwy - S							TWO H3642-4 PADS		TWO H4558-4 PADS	
	h, GA 30097 (800			Solving Problems to Minimize the Stress of Doing Business						N A 58" x 90" SHAPE	
R		INIT / EQUIPMEN		EQUIPMENT		HURRICANE	H-CLASS	PAD USED			MPH
0	MAX	XIMUM DIMENSI	ONS	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.
76	35.0	49.0	22.2	70	H4558-4	180	45	58	4.0	372	281
77	35.0	49.0	30.2	250	H4558-4	180	45	58	4.0	506	483
78	35.0	49.0	34.2	200	H5557-4	240	55	57	4.0	572	605
79	35.0	49.0	34.2	358	H4558-4	180	45	58	4.0	572	605
80	35.0	63.0	38.2	296	ZH5890**	360	58	90	4.0	822	950
81	35.0	70.0	31.0	138	ZH5890**	360	58	90	4.0	740	721
82	35.0	70.0	35.0	260	ZH5890**	360	58	90	4.0	835	898
83	35.5	40.0	33.7	110	H5557-4	240	55	57	4.0	460	480
84	35.5	40.0	33.7	248	H4558-4	180	45	58	4.0	460	480
85	35.5	40.0	37.2	177	H5557-4	240	55	57	4.0	507	573
86	35.5	40.0	37.2	330	H4558-4	180	45	58	4.0	507	573
87	35.5	40.0	40.5	249	H5557-4	240	55	57	4.0	553	672
88	35.5	40.0	40.5	418	H4558-4	180	45	58	4.0	553	672
89	35.5	40.0	44.9	350	H5557-4	240	55	57	4.0	613	811
90	35.5	40.0	44.9	542	H4558-4	180	45	58	4.0	613	811
91	35.5	40.0	45.5	366	H5557-4	240	55	57	4.0	622	832
92	35.5	40.0	45.5	560	H4558-4	180	45	58	4.0	622	832
93	35.5	40.0	46.0	378	H5557-4	240	55	57	4.0	628	849
94	35.5	40.0	46.0	575	H4558-4	180	45	58	4.0	628	849
95	35.5	40.0	47.4	412	H5557-4	240	55	57	4.0	647	895
96	35.5	40.0	47.4	616	H4558-4	180	45	58	4.0	647	895
97	38.0	40.0	45.0	353	H5557-4	240	55	57	4.0	615	815
98	38.0	40.0	45.0	545	H4558-4	180	45	58	4.0	615	815
99	38.0	40.0	47.4	411	H5557-4	240	55	57	4.0	646	895
100	38.0	40.0	47.4	616	H4558-4	180	45	58	4.0	646	895
_											



SIONAL 10-Oc 2-112 MIL

HC-1 HURRIC (2) PER SIDE

F 🖊

		H-CLASS	PAD							
ict meets th	IG CODE NOTICE e following building code requirements	TO	THICKNE	SS (in) =	4					
nical Volum	er Consulting Engineers: e, Section 304.10 – clearance from grade.	PAD MODEL#	WEIGHT	WIDTH	LENGTH					
ight and wir	de from a minimum 7000PSI concrete. nd load requirements have been Florida Building Code, Chapter 16.	H1840-4	92	18	40					
scribed atta	achment methods as indicated on	H2424-4	50	24	24					
ering tables ation, visit o 00-995-222	 For up to date calculations and ur website www.diversitech.com 2. 	H2436-4	70	24	36					
		H3030-4	70	30	30					
	Duran	H3060-4	135	30	60					
	DIVERSITECH	H3232-4	87	32	32					
	6650 Sugarloaf Parkway Duluth, GA 30097 RM0185	H3345-4	125	33	45					
		H3434-4	94	34	34					
		H3636-4 H3642-4	100 117	36 36	36 42					
		H3648-4	133	36	42					
$\overline{\ }$		H3652-4	140	36	52					
	\searrow	H3842-4	158	38	42					
		H3852-4	145	38	52					
		H3865-4	170	38	65					
		H4040-4	140	40	40					
/	W T	H4242-4	145	42	42					
		H4558-4	180	45	58					
		H5557-4	240	55	57					
4" F	ROM	ZH4272*	234	42	72					
CO	RNERS /	ZH5890**	360	58	90					
	K									
/										
$\langle \rangle$										
	PAD \	WI	ND LOAD CA	LCS:						
			Speed V =		MPH					
		F = qz*G*Cf*Af (E	•		*Af (lbs)					
(8)	TOTAL	qz = 0.00256*Kz*Kz			PSF					
		Exposure C ; Table 28.3-1 Kz = 0.85								
RM	LOSS MITIGATION.	Figure 26.	8-1 Kzt =	1.00						
		Table 26.	6-1 Kd =	0.90						
		Figure 29								
			G =	0.85						
	0.6(UNIT+	DEOLOTINO		DECION						
	PAD)	RESISTING		DESIGN						
)	WEIGHT	MOMENT		CHECK						
	LBS.	FT-LBS.	OK FOR	150						
	150	282		150	MPH					
	258	484	OK FOR OK FOR	150	MPH MPH					
	264	605		150						
	323	605	OK FOR	150	MPH					
	393	951	OK FOR	150	MPH					
	299	722	OK FOR	150	MPH					
	372	899	OK FOR	150	MPH					
	210	481	OK FOR	150	MPH					
	257	481	OK FOR	150	MPH					
	250	574	OK FOR	150	MPH					
	306	573	OK FOR	150	MPH					
	293	672	OK FOR	150	MPH					
	359	672	OK FOR	150	MPH					
	354	812	OK FOR	150	MPH MBH					
	433	812	OK FOR	150	MPH					
	363	833	OK FOR	150	MPH					
	444	833	OK FOR	150	MPH					
	371	850	OK FOR	150	MPH					
	453	850	OK FOR	150	MPH					
	391	896	OK FOR	150	MPH					
	478	896	OK FOR	150	MPH					
	356	816	OK FOR	150	MPH					
	435	816	OK FOR	150	MPH					
	391	895	OK FOR	150	MPH					
	477	895	OK FOR	150	MPH					