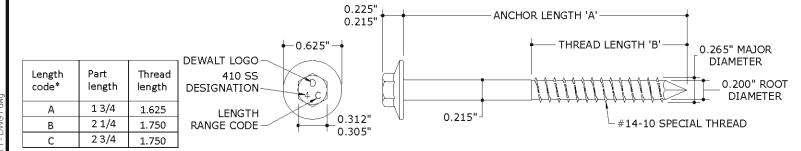
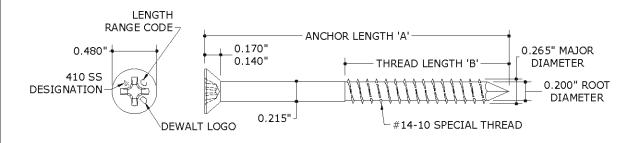
1/4" CRETE-FLEX® SS4 MASONRY SCREWS



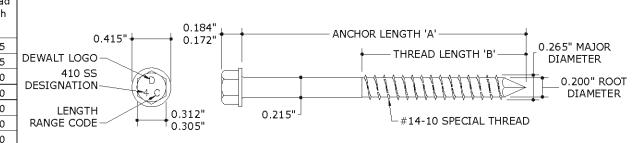
HEX FLANGE HEAD (HFH)

Length code*	Parτ length	lhread
code		Cingtii
	1 1/4"	1
Α	1 3/4"	1.500
В	2 1/4"	1.750
С	2 3/4"	1.750
D	3 1/4"	1.750
E	3 3/4	1.750
F	4"	1.750
G	5"	1.750
Н	6"	1.750

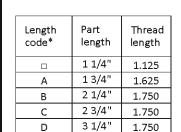


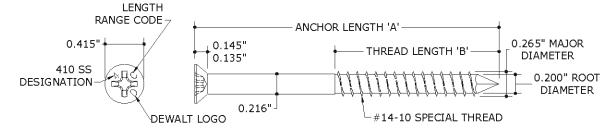
PHILLIPS FLAT HEAD (PFH) 1'-0" = 1'-0"

Length code*	Part length	Thread length
	1 1/4"	1.125
Α	1 3/4"	1.625
В	2 1/4"	1.750
С	2 3/4"	1.750
D	3 1/4"	1.750
E	3 3/4	1.750
F	4"	1.750
G	5"	1.750
Н	6"	1.750



HEX WASHER HEAD (HWH)





GENERAL NOTES:

- 1. THIS PRODUCT HAS BEEN DESIGNED & TESTED IN ACCORDANCE WITH THE THE FLORIDA BUILDING CODE SEVENTH EDITION (2020) AND THE FOLLOWING STANDARDS: ASTM E488 & TAS 114. THIS PRODUCT IS INTENDED FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE
- 2. ANCHORS ARE MANUFACTURED FROM 410 STAINLESS STEEL AND SHALL HAVE A CORROSION-RESISTANT SILVER-COLORED STALGARD COATING.
- 3. ANCHOR INSTALLATION SHALL BE MADE IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS AND THIS APPROVAL.
- 4. CONCRETE SHALL CONFORM TO ACI 301 SPECIFICATIONS, WITH STRENGTH PROPERTIES AS SPECIFIED HEREIN. HOLLOW CONCRETE BLOCK SHALL CONFORM
- 5. ANCHORS SHALL NOT BE INSTALLED INTO CRACKED CONCRETE AS DEFINED IN
- 6. ALLOWABLE LOADS TO 3350 PSI MINIMUM CONCRETE SUBSTRATE ARE BASED ON THE ULTIMATE LOADS DIVIDED BY 4. ALLOWABLE LOADS TO ASTM C90 CONCRETE BLOCK ARE BASED ON THE ULTIMATE LOADS DIVIDED BY 5.
- 7. PILOT HOLES SHALL BE DRILLED USING A 7/32" MASONRY DRILL BIT, AND SHALL BE A MINIMUM 1/4" DEEPER THAN THE REQUIRED EMBEDMENT DEPTH.
- 8. ANCHORS NOTED HEREIN HAVE A TENSILE YIELD STRENGTH OF Fy = 127.4 ksi AND A TENSILE ULTIMATE STRENGTH OF Fu = 189.7 ksi.

ALLOWABLE ANCHOR CAPACITIES:

	EMBEDMENT	EDGE DISTANCE	SPACING	TENSION	SHEAR
		1"	6" O.C.	150 LB	125 LB
	1"	1-3/4"	6" O.C.	165 LB	215 LB
		2-1/2"	6" O.C.	190 LB	265 LB
<u>≥</u>			1-1/2" O.C.	320 LB	
⊎≌		1"	3" O.C.	388 LB	178 LB
CONCRETE 0 PSI MINIMUM	1 3/4"		6" O.C.	390 LB	310 LB
NC ISC	1-3/4"	1-3/4"	6" O.C.	525 LB	450 LB
3350 I		2.4/2"	3" O.C.	314 LB	467 LB
33	ਦੇ ਦ	2-1/2	6" O.C.	625 LB	645 LB
		1"	6" O.C.	390 LB	310 LB
	2"	1-3/4"	6" O.C.	525 LB	450 LB
		2-1/2"	6" O.C.	680 LB	645 LB
X		1"	6" O.C.	156 LB	84 LB
0	<u></u>	1-3/4"	6" O.C.	232 LB	264 LB
C90 CONCRETE B			1-1/2" O.C.	101 LB	213 LB
		2-1/2"	3" O.C.	101 LB	247 LB
NC NC			6" O.C.	244 LB	264 LB
S	1-5/8"	1"	6" O.C.	248 LB	108 LB

^{*} LINEAR INTERPOLATION MAY BE PERFORMED FOR ANCHOR CAPACITIES BETWEEN THE ANCHOR SPACINGS LISTED ABOVE.

VISIT ECALC.IO/21685

FOR SITE SPECIFIC DEVIATIONS & MORE INFORMATION ABOUT THIS DOCUMENT OR SCANITHIS OR CODE

VISIT ENGINEERINGEXPRESS.COM/STORE





RICHARD NEET, P.E.



20-21685.1 SCALE: NTS UNLESS NOTED





ULTRACON® SS4

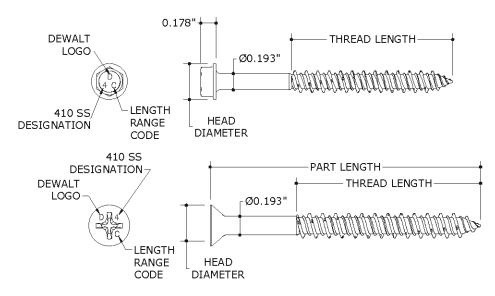
410 SERIES STAINLESS STEEL CONCRETE & MASONRY SCREW

1/4"Ø ULTRACON SS4 ALLOWABLE LOAD CAPACITIES:

	EDGE DISTANCE	SPACING	EMBEDMENT	TENSION (LB)	SHEAR (LB)
	1"	1-1/2"	1-1/4"	106	44
HOLLOW BLOCK	1	3"	1-1/4"	124	72
HOLLOW BLOCK	2-1/2"	1-1/2"	1-1/4"	106	89
	2 1/2	3"	1-1/4"	124	123
		1-1/2"	1"	91	71
	1"	1-1/2	1-3/4"	144	103
	1	211	1"	163	74
CONCRETE		3"	1-3/4"	328	136
(2897 PSI MIN.)		1-1/2"	1"	191	194
	2 1 (2)		1-3/4"	339	505
	2-1/2"		1"	236	263
			1-3/4"	403	584
		1 1 (2)	1-1/4"	137	56
	411	1-1/2"	2"	218	56
	1"	2.11	1-1/4"	190	83
CROUT FILLED BLOCK		3"	2"	292	83
GROUT FILLED BLOCK		4 4 (2)	1-1/4"	205	91
	2 4 /2	1-1/2"	2"	218	180
	2-1/2"		1-1/4"	212	200
		3"	2"	386	302

NOTE:

- HOLLOW BLOCK SHALL CONFORM TO ASTM C-90 WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
- GROUT FILLED BLOCK SHALL CONFORM TO ASTM C-90 WITH A MINIMUM BLOCK COMPRESSIVE STRENGTH OF 2000 PSI AND MINIMUM GROUT COMPRESSIVE STRENGTH OF
- 3. ALLOWABLE LOAD CAPACITIES LISTED HEREIN ARE NOT VALID FOR CRACKED CONCRETE SUBSTRATES AS DETAILED IN ACI 355.2.



GENERAL NOTES:

- 1. THIS PRODUCT HAS BEEN DESIGNED & TESTED IN ACCORDANCE WITH THE STRUCTURAL PROVISIONS OF THE FLORIDA BUILDING CODE SEVENTH EDITION (2020) FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE, AND THE FOLLOWING STANDARDS: ASTM E488, ASTM C39, TAS 114, ASTM G85.

 2. ULTRACON SS4 SCREW ANCHORS SHALL BE 410 SERIES STAINLESS STEEL WITH A SILVER STALGARD CORROSION RESISTANT COATING, ANCHOR YIELD STRENGTH FV=164 KST. ANCHOR ULTIMATE STRENGTH
- STRENGTH Fy=164 KSI, ANCHOR ULTIMATE STRENGTH
- Fu=190 KSI.

 3. ANCHOR INSTALLATION SHALL BE MADE IN
 ACCORDANCE WITH MANUFACTURER'S PUBLISHED
 INSTALLATION INSTRUCTIONS AND THIS APPROVAL.
 4. PILOT HOLES FOR ANCHORS TESTED WERE MADE

- 4. PILOT HOLES FOR ANCHORS TESTED WERE MADE WITH A 3/6" DRILL BIT WITH A DIAMETER OF 0.206"Ø (+0.000/-0.008).

 5. ALLOWABLE LOADS SHOWN HEREIN HAVE BEEN CALCULATED DIRECTLY FROM THE TEST REPORTS REFERENCED BELOW PER THE FOLLOWING:

 5.1. ULTIMATE LOAD DIVIDED BY 4.0 FOR SOLID NON-CRACKED CONCRETE SUBSTRATES.

 5.2. ULTIMATE LOAD DIVIDED BY 5.0 FOR HOLLOW BLOCK & GROUT FILLED BLOCK SUBSTRATES.

 6. NO ALLOWABLE STRESS INCREASE HAS BEEN USED IN PREPARATION OF THIS DOCUMENT.

 7. CONCRETE SHALL CONFORM TO ACI 301 SPECIFICATIONS, WITH STRENGTH PROPERTIES AS SPECIFIED HEREIN. HOLLOW AND GROUT-FILLED CONCRETE BLOCK SHALL CONFORM TO ASTM C-90.

 8. ANCHOR EDGE DISTANCE AND SPACING SHALL BE MEASURED FROM THE CENTERLINE OF EACH ANCHOR.

 9. ANCHOR EDGE DISTANCES, EMBEDMENT, AND
- 9. ANCHOR EDGE DISTANCES, EMBEDMENT, AND SPACING BELOW THOSE SHOWN IN DESIGN TABLES HEREIN ARE NOT ACCEPTABLE.
- 10. ALLOWABLE LOAD CAPACITIES TO SUBSTRATES THAT ARE NOT SHOWN IN THE DESIGN TABLES LISTED HEREIN ARE OUTSIDE THE SCOPE OF THIS CERTIFICATION AND SHALL BE DETERMINED BY A LICENSED PROFESSIONAL ENGINEER.
- 11. ANCHOR VALUES LISTED HEREIN ARE DETERMINED THROUGH TESTING REPORT DATA AND CHECKED FOR CONSISTENCY WITH EACH TEST PERFORMED.
- 12. REFERENCE THE FOLLOWING TEST REPORTS HURRICANE ENGINEERING & TESTING,

	INC.
••	#HETI-11-A650 (06/11/13)
••	#HETI-11-A666 (06/11/13)
••	#HETI-11-A674 (06/11/13)
••	#HETI-11-C164 (10/19/11)
••	#HETI-11-C162 (10/17/11)
••	#HETI-11-C163 (12/12/11) #HETI-11-S100 (12/30/11)
••	#HETI-11-S100 (12/30/11)
••	#HETI-12-T100 (01/24/12)
••	#HETI-12-T101 (01/24/12)

- 13. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
- 14. ALTERATIONS, ADDITIONS OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.

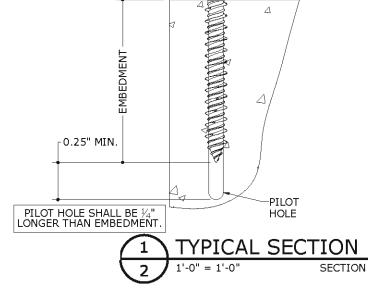


CORPORATE OFFICE:
160 SW 12th AVE, SUITE 106
DEERFIELD BEACH, FL 33442
(954) 354-0660 | (866) 396-999

701 EAST JOPPA ROAD TOWNSON, MARYLAND 21286 (800) 524-3244

20-21685.1

SCALE: NTS UNLESS NOTED



EDGE DISTANCE

ULTRACON SS4 THREAD LENGTHS:

Length	Part	Thread
code*	length	length
	1 1/4"	1 1/8"
Α	1 3/4"	1 5/8"
В	2 1/4"	1 7/8"
С	2 3/4"	1 7/8"
D	3 1/4"	1 7/8"
Е	3 3/4	1 7/8"
F	4"	1 7/8"

*LENGTH CODE IS MARKED ON TOP OF FASTENER HEAD, SEE ILLUSTRATION BELOW

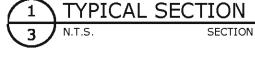
DRIVE AND HEAD DIMENSIONS:

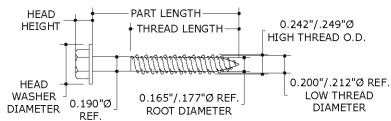
DRIVE/HEAD STYLE	DRIVE	HEAD DIAMETER
HEX WASHER HEAD (HWH)	5/16" HEX (AF)	0.415" NOM.
PHILLIPS FLAT HEAD (PFH)	#3 PHILLIPS	0.415" NOM.

THREAD AND SHANK DIMENSIONS:

FASTENER DIMENSION	DIAMETER
HIGH THREAD DIAMETER	0.257" NOM
LOW THREAD DIAMETER	0.209" NOM
MINOR DIAMETER (THREAD ROOT)	0.174" NOM
UNTHREADED SECTION DIAMETER	0.193"

/4"Ø ULTRACON SS4 SCREW







AGGRE-GATOR THREAD LENGTHS:

Length code*	Length range of anchor	Part length	Thread length
	1 < 1 1/2	1 1/4"	1 1/8"
Α	1 1/2 < 2	1 3/4"	1 3/4"
В	2 < 2 1/2	2 1/4"	1 3/4"
С	2 1/2 < 3	2 3/4"	1 3/4"
D	3 < 3 1/2	3 1/4"	1 3/4"
Е	3 1/2 < 4	3 3/4	1 3/4"
F	4 < 4 1/2	4"	1 3/4"

*LENGTH CODE IS MARKED ON TOP OF FASTENER HEAD, SEE ILLUSTRATION BELOW

AGGRE-GATOR®

300 SERIES STAINLESS STEEL BI-METAL CONCRETE & MASONRY SCREW

1/4"Ø AGGRE-GATOR ALLOWABLE LOAD CAPACITIES:

HOLLOW BLOCK 2" 3" 1-1/4" 156 187		EDGE DISTANCE	SPACING	EMBEDMENT	TENSION (LB)	SHEAR (LB)
GROUT FILLED BLOCK 2" 3" 1-1/4" 1-66 207 2" 325 473 1-1/4" 149 282 2" 403 477 1" 118 N/A 1-3/8" 289 N/A 1-1/2" 1-1/2" 3" 1-1/3/8" 289 1-3/4" 294 N/A 1-3/4" 319 305 1-1/2" 3" 1-1/2" 3" 1-1/2" 3" 1-1/2" 3" 1-1/2" 3" 1-1/2" 1-3/8" 251 473 473 473 475 473 475 473 475 473 475 475 473 475 473 477 475 477 477 477 477 477 477 477 477	HOLLOW BLOCK	2"	3"		156	187
GROUT FILLED BLOCK 4" 1-1/2" 2" 403 1-1/4" 1-1/4" 3" 1-3/8" 2" 403 477 118 N/A 1-3/8" 289 N/A 1-1/2" 3" 1-1/2" 3" 1-1/2" 3" 1-1/2" 1-1/2" 3" 1-1/2" 3" 1-1/2" 1-1/2" 3" 1-1/2" 1-1/2" 3" 1-1/2" 1-1/2" 1-1/2" 1-1/2" 1-1/2" 1-1/2" 1-1/2" 1-1/2" 1-1/2" 1-1/2" 1-1/2" 1-1/2" 1-1/2" 1-1/3/8" 294 N/A 199 199 199 199 109 109 109 10	HOLLOW BLOCK	4"	3"		176	211
GROUT FILLED BLOCK 4" 1-1/2" 2" 1-1/4" 1-1/4" 1-1/4" 3" 1-3/8" 294 N/A 1-1/2" 1" 118 N/A 1-3/8" 294 N/A 1-1/2" 1" 118 204 1-1/2" 3" 1-3/8" 294 305 1-3/4" 319 305 1-1/2" 3" 1-1/2" 1-1/2" 3" 1-1/2" 1-1/2" 1-1/2" 1-1/2" 1-1/2" 1-1/2" 1-1/2" 1-1/2" 1-1/2" 1-1/3/8" 294 N/A 199 ++ 1" 194 226 3" 1-1/2" 1-3/8" 294 N/A 1-3/4" 319 488 1-1/4" 3" 1-1/2" 1-3/8" 294 N/A 1-3/4" 319 488 1-1/3/8" 294 N/A 1-3/4" 319 488 1-1/4" 3" 1-1/2" 1-3/8" 294 N/A 1-3/4" 294 305 1-3/4" 294 305 1-3/4" 294 305 1-3/4" 294 305 1-3/4" 294 305 1-3/4" 319 305 1-3/4" 319 305 1-3/4" 319 305 1-3/4" 319 305		יין	3"		166	207
4"	GPOUT FILLED BLOCK	2	,		325	
CONCRETE (2220 PSI MIN.) CONCRETE (2220 PSI MIN.) CONCRETE (2227 PSI MIN.) CONCRETE (2220 PSI MIN.) 2-1/2" 3" 1-1/2" 3" 1-1/2" 3" 1-1/2" 3" 1-1/2" 3" 1-1/2" 3" 1-1/2" 1-1/2" 3" 1-1/2" 1-1/2" 1-1/2" 1-1/2" 1-1/2" 1-1/2" 1-1/2" 1-1/2" 1-1/3/8" 294 N/A 199 ++ 194 226 11" 194 226 11" 194 226 11" 194 226 11" 194 226 11" 194 226 11" 194 226 11" 194 226 11" 194 226 11" 194 226 11" 194 226 11" 194 226 11" 194 226 11" 194 226 11" 11" 248 N/A 1-3/4" 319 488 N/A 1-3/4" 294 N/A 1-3/4" 294 N/A 1-3/4" 294 305 1-3/4" 294 305 1-3/4" 294 305 1-3/4" 294 305 1-3/4" 319 305 1-3/4" 319 305 1-3/4" 319 305 1-3/4" 319 305 1-3/4" 319 305 1-3/4" 319 305	GROOT TILLED BLOCK	4"	1-1/2"	· · · · · · · · · · · · · · · · · · ·	149	
CONCRETE (2220 PSI MIN.) CONCRETE (2220 PSI MIN.) 1-1/2" 3" 1-3/8" 289 N/A 1" 118 204 1-3/8" 289 259 1-3/4" 294 305 1-1/2" 1-1/2" 1-1/2" 3" 1-1/2" 3" 1-1/2" 1-3/8" 294 305 1" 194 204 1-3/4" 319 305 1-3/4" 319 488 1" 1-3/4" 319 488 1" 1-3/4" 319 488 1" 1-3/4" 319 488 1" 1-3/4" 319 488 1" 248 N/A 1-3/4" 319 488 1" 248 N/A 1-3/4" 294 N/A 1-3/4" 294 N/A 1-3/4" 294 305 1-3/4" 294 305 1-3/4" 294 305 1-3/4" 294 305 1-3/4" 319 305 1-3/4" 319 305 1-3/4" 319 305 1-3/4" 319 305 1-3/4" 319 305 1-3/4" 319 305 1-3/4" 319 305 1-3/4" 319 305		7	1 1/2			
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1-1/2"	CONCRETE				294	305
2-1/2"	(2220 PSI MIN.)				194	204
3" 1-1/2" N/A 200 † 1-3/4" N/A 199 † † 194 226 251 413 1-3/4" 319 488 1-1/4" 3" 1-3/4" 294 N/A 1-3/4" 294 N/A 1-3/4" 294 N/A 1-3/4" 294 N/A 1-3/4" 294 305 1-3/4" 294 305 1-3/4" 294 305 1-3/4" 294 305 1-3/4" 294 305 1-3/4" 295 305 1-3/4" 319 305 305 305 305 305 305 305 305 305 305 305	,		1-1/2"		251	259
1-3/4" N/A 199 †† 3"		2-1/2"		1-3/4"	319	305
The state of the s		211	2"	1-1/2"	N/A	200 †
Tolor of the state			3"	1-3/4"	N/A	199 ††
CONCRETE (3275 PSI MIN.) CONCRETE (3275 PSI MIN.) CONCRETE (3275 PSI MIN.) 1-1/2"		3" :		1"	194	226
CONCRETE (3275 PSI MIN.) CONCRETE (3275 PSI MIN.) 1-1/4" 3" 1-1/2" 1" 248 N/A 1-3/8" 294 N/A 1" 248 255 1-3/8" 294 305 1-3/4" 294 305 1" 251 255 1-3/4" 319 305 1-3/4" 319 305 1-3/4" 319 305 1-3/4" 319 305 1-3/4" 319 305			1-1/2"	1-3/8"	251	413
CONCRETE (3275 PSI MIN.) CONCRETE (3275 PSI MIN.) 1-1/4" 3" 1-3/8" 294 N/A 1" 248 255 1-3/8" 294 305 1-3/4" 294 305 1" 251 255 1-1/2" 1-1/2" 1-3/8" 251 305 1" 251 266 3" 1-1/2" 1-3/8" 251 510				1-3/4"	319	488
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CONCRETE (3275 PSI MIN.) 1-1/2" 3" 1-3/8" 294 305 1-3/4" 294 305 1" 255 2-1/2" 1-1/2" 1-3/8" 251 305 1-3/4" 319 305 1" 251 226 3" 1-1/2" 1-3/8" 251 510				1-3/4"	294	N/A
CONCRETE (3275 PSI MIN.) 2-1/2" 1-1/2" 1-1/2" 1-1/2" 1-3/4" 294 305 1" 251 255 305 1-3/4" 319 305 1" 251 251 26 3" 1-1/2" 1-3/8" 251 251 510				1"	248	255
(3275 PSI MIN.) 2-1/2" 1-1/2" 1-1/2" 1-3/8" 251 305 1-3/4" 319 305 1" 251 226 3" 1-1/2" 1-3/8" 251 251 510		1-1/2"	3"	1-3/8"	294	305
(3275 PSI MIN.) 2-1/2" 1-1/2" 1-1/2" 1-3/8" 251 305 1-3/4" 319 305 1" 251 226 3" 1-1/2" 1-3/8" 251 251 510	CONCRETE			1-3/4"	294	305
2-1/2" 1-1/2" 1-3/8" 251 305 1-3/4" 319 305 1" 251 226 3" 1-1/2" 1-3/8" 251 510				1"		255
1-3/4" 319 305 1" 251 226 3" 1-1/2" 1-3/8" 251 510	(52,5 1 52 1 1211)	2-1/2"	1-1/2"	1-3/8"	251	305
3" 1-1/2" 1-3/8" 251 226 3" 1-1/2" 251 510		·		1-3/4"	319	305
3" 1-1/2" 1-3/8" 251 510						
		3"	3" 1-1/2"			
			_	1-3/4"	319	515

- HOLLOW & GROUT FILLED BLOCK SHALL CONFORM TO ASTM C-90 MINIMUM BLOCK.
- AGGRE-GATOR ALLOWABLE LOAD CAPACITIES LISTED HEREIN ARE NOT VALID FOR CRACKED CONCRETE SUBSTRATES AS DETAILED IN ACI 355.2.

† EMBEDMENT DEPTH INTO 2220 PSI CONCRETE, WITH 3/4" MAX THICK UNANCHORED WOOD BUCK LOCATED BETWEEN THE CONCRETE AND SIDE MEMBER

†† EMBEDMENT DEPTH INTO 2220 PSI CONCRETE, WITH $1\frac{1}{2}$ " MAX THICK UNANCHORED WOOD BUCK LOCATED BETWEEN THE CONCRETE AND SIDE MEMBER

GENERAL NOTES:

THIS PRODUCT HAS BEEN DESIGNED & TESTED IN ACCORDANCE WITH THE STRUCTURAL PROVISIONS OF THE FLORIDA BUILDING CODE SEVENTH EDITION (2020) FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY
HURRICANE ZONE, AND THE FOLLOWING STANDARDS:
ASTM E488, ASTM C39, TAS 114.
2. AGGRE-GATOR SCREW ANCHORS SHALL BE 300
SERIES (18-8) STAINLESS STEEL WITH A STALGARD GB

(GALVANIC BÁRRIER) CORROSION RESISTANT COATING, ANCHOR YIELD STRENGTH Fy=57 KSI, ANCHOR ULTIMATE STRENGTH Fu=96 KSI.

3. ANCHOR INSTALLATION SHALL BE MADE IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS AND THIS NOTICE OF

4. PILOT HOLES FOR ANCHORS TESTED WERE MADE WITH A $\frac{3}{16}$ " DRILL BIT WITH A DIAMETER OF 0.206"Ø (+0.000/-0.008).

5. ALLOWABLE LOADS SHOWN FILELING TO CALCULATED DIRECTLY FROM THE TEST REPORTS THE FOLLOWING: ALLOWABLE LOADS SHOWN HEREIN HAVE BEEN REFERENCED BELOW PER THE FOLLOWING:

ULTIMATE LOAD DIVIDED BY 4.0 FOR SOLID

NON-CRACKED CONCRETE SUBSTRATES. 5.2. ULTIMATE LOAD DIVIDED BY 5.0 FOR HOLLOW BLOCK & GROUT FILLED BLOCK SUBSTRATES. NO ALLOWABLE STRESS INCREASE HAS BEEN USED

IN PREPARATION OF THIS DOCUMENT.

CONCRETE SHALL CONFORM TO ACI 301 SPECIFICATIONS, WITH STRENGTH PROPERTIES AS SPECIFIED HEREIN. HOLLOW AND GROUT-FILLED CONCRETE BLOCK SHALL CONFORM TO ASTM C-90.

8. ANCHOR EDGE DISTANCE AND SPACING SHALL BE MEASURED FROM THE CENTERLINE OF EACH ANCHOR.

9. ANCHOR EDGE DISTANCES, EMBEDMENT, AND SPACING BELOW THOSE SHOWN IN DESIGN TABLES HEREIN ARE NOT ACCEPTABLE.

10. ALLOWABLE LOAD CAPACITIES TO SUBSTRATES THAT ARE NOT SHOWN IN THE DESIGN TABLES LISTED HEREIN ARE OUTSIDE THE SCOPE OF THIS CERTIFICATION AND SHALL BE DETERMINED BY A LICENSED PROFESSIONAL ENGINEER.

11. ANCHOR VALUES LISTED HEREIN ARE DETERMINED THROUGH TESTING REPORT DATA AND CHECKED FOR CONSISTENCY WITH EACH TEST PERFORMED.

12. REFERENCE THE FOLLOWING TEST REPORTS:

HURRICANE ENGINEERING & TESTING,

INC.

#HETI-08-A222 (02/28/08) #HETI-08-A226 (02/28/08) #HETI-08-A230 (02/28/08) #HETI-08-A236 (02/28/08) #HETI-08-A242 (02/28/08) #HETI-08-A248 (02/28/08) #HETI-08-A260 (02/28/08) #HETI-08-A275 (03/17/08) #HETI-08-A277 (03/17/08) #HETI-08-C100A (03/25/08 #HETI-08-C101A (03/25/08 #HETI-08-C102A (03/25/08) SUB-TROPICAL TESTING SERVICE. #STTS 08001 (05/25/08) #STTS 08003 (06/21/08)

13. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE

14. ALTERATIONS, ADDITIONS OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.

RICHARD NEET, P.E. PE# 86488 CA#9885

CORPORATE OFFICE:
160 SW 12th AVE, SUITE 106
DEERFIELD BEACH, FL 33442
(954) 354-0660 | (866) 395-9999

701 EAST JOPPA ROAD TOWNSON, MARYLAND 21286 (800) 524-3244

20-21685.1 SCALE: NTS UNLESS NOTED





HEAD STYLE	WASHER DIAMETER	HEAD HEIGHT	ACROSS FLATS
HEX WASHER HEAD	0.420"	0.190"	0.312"
HEX FLANGE HEAD	0.620"	0.225"	0.312"
PHILLIPS TRIMFIT HEAD	0.430"*	0.155"	N/A

^{*}DIAMETER AT FLAT PORTION OF TRIMFIT HEAD

PHILLIPS TRIMFIT HEAD

HEX WASHER HEAD







HEX FLANGE HEAD

HEAD MARKING GUIDE:

"C"- LENGTH CODE

) - DEWALT LOGO

"3" - 300 SERIES (18-8) STAINLESS

STEEL DESIGNATION





