
$\underset{\substack{\text { n.1.290 } \\ \text { TrP. } \\ \vdots}}{\mid}$


2
6" LONG CLIP
$\frac{6 \text { L.T.S. }}{\text { FLATTENED }}$

# ALUMINUM TIE-DOWN CLIP 



## DESIGN NOTES:

THIS PRODUCT HAS EEEN DESIGNED IN ACCORDANCE WITH ASCE $7-16$
AND THE FLORIDA BUIDING CODE SEVENTH WITHTN AND OUTSIIE THE HTGH VELOCNTY HURRICANE ZONE AS INDICATED IN THE ACCOMPANYNG DESIGN SCHEDULES. THE DESIGN
CRTERIA USED TO CALCULATE THE ALOWABLE ROOF-TOP HEIGTS CRITRIA USED TO CALCULATE THE ALLOWABLE ROOF-TOP HEIGHT
CONIDERS FBC CHAPTER 16: (GC) $=1.90$ WTHTN THE HVHZ OUTSIDE THE HVHZ, (GC)
all other design variables are in accordance with asce 7
CHAPTERS 26829 .
ALlowable height of the butlit
THIS PRODUCT APPROVAL ALLOWS FOR EACH UNT TO BE INSTALLED ON A MAXIMUM 3O" TALL AC STAND ( (ERERTICATION BY OTHERS) ON
TOP OA THE HEIGHTS LISTED IA THE DESTIN SCHEDULES. TOP OF THE HEIGHTS LISTED IN THE DESTGN SCHEDULES.
DESIGN OF THIS SYSTEM
FROM TEST REPORT PROJECT PROVIT-6206 BY FRENESTRAND DIE SHETS
 ALL ALUMINUM TRE-DOWN CLITS SHALL BE 0.080 " 5052 -H32 ALUMINU WITH Fy=28 KSI OR BETER.

1. This product has been desicned and shall be fabricated in CODE \& ASCE 7 . THIS PRODUCT MAY BE USED WTTHIN AND OUTSIDE THE HIGH VELOCITY HURRTCANE ZONE.
2. MAXIM UM \& MINIMUM DIMENSIONS AND MINIMUM WEITHT OF MECHANICAL UNIT SHALL CONFORM TO SPECIFICATONS STATED HEREIN e AS PER MANUFACTURER RECOMMENDATONS AND ARE THE EXPRESS
FASTENERS TO
 BRAND, STAINLESS STEEL ONLY, INSTALLED TO 3000 PSI MIN CONCRETE SEE ANCHOR TO HOST SCHEDULE FOR ANCHOR REQUIREMENTSS ALL
FASTENERS SHALL HAVE APPROPRIATE CORROSION PROTECTON TO

ALL CONCRETE SPECIIFDD HEREIN IS NOT PART OF THIS CERTIFICATOON
AS A MINIMUM, ALL CONCRETE SHALL BE STRUCTURAL CONCRETE 4 MI AS A MINIMUM, ALL CONCRETE SHALL BE STRUCTURAL CONCRETE 4 " MIN
THICK AND SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
5. THLE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM
5. THE CONLRACATERIALS TO PREVENT ELECTROLYSIS.
6. ELECTRICAL
7. THE ADEQUACY OF ANY EXISTING STRUCTURE TO WITHSTAND
 AS Expressly provided herein, no Additinal certifications or
8. ${ }^{\text {TH}}$

INFORMAM FORMATOON FOR A SPECIFIC STTE. FOR STIE CONDITIONS DIFFRRENT REGISTERED ARCHITECT SHALLL PREPARE STTE SPECIFIC DOCUMENTS FOR
9. W

 IS RESTORED ATTR FABRICATION AND INSTALLATION OF STRUCTURE
PROPOSED HEREIN. THIS ENGINER SHALL NOT BE RESPONSIBLE FOR ANY WATERPROOFING OR LEAKAGE ISSUES WHICH MAY OCCUR AS WATER-TGHTNESS SHALL B
INSTALING CONTRACTOR.
10. FOR AN EXPLANATION OF EXPOSURE AND RISK CATEGORIES THAT
ACCOMPANY THE VUIt WIND SPEEDS USED IN THIS APRROVAL, SEE ASCE



20-26320
SCALE: N.T.S.




TABLE 1 PERMISSIBLE INSTALLATION HEIGHTS: Vult=175 MPH, EXPOSURE C
ifor use with a risk category il structure in the high velocity hurricane zone (hviz)*)
RISK CATEGORY II IS PER ASCE 7-16
$\frac{\text { ALLOWABLE ROOF-TOP HEIGHT (H) }}{\text { TIE-DOWN CONFIGURATION TYPE }}$

*THIS TABLE IS PERMISSIBLE TO BE USED WITHIN THE HVHZ WHICH CONTAINS BROWARD AND
MIAMI-DADE COUNTIES. CHECK WITH LOCAL AUTHORITY HAVING JURISDICTION FOR THE APPLICABILITY OF THIS TABLE WITHIN CERTAIN FLORIDA COUNTIES.

TABLE 2 PERMISSIBLE INSTALLATION HEIGHTS: vult=175 MPH, EXPOSURE D (FOR USE WITH a RISK category il structure in the high velocity hurricane zone (hVhz)*)
$\frac{\text { ALLOWABLE ROOF-TOP HEIGHT;(H) }}{\text { TIE-DOWN CONFIGURATION TYPE }}$

*THIS TABLE IS PERMISSIBLE TO BE USED WITHIN THE HVHZ WHICH CONTAINS BROWARD AND MIAMI-DADE COUNTIES. CHECK WITH LOCAL AUTHORITY HAVING JURISDICTION FOR THE APPLICABILTY OF THIS TABLE WITHIN CERTAIN FLORIDA COUNTIES.


TABLE 5 PERMISSIBLE INSTALLATION HEIGHTS: Vult=140 MPH, EXPOSURE B
(FOR USE WITH A RISK CATEGORY I STRUCTURE**)
RISK CATEGORY II IS PER ASCE 7-16

TABLE 7 PERMISSIBLE INSTALLATION HEIGHTS: Vult=140 MPH, EXPOSURE D (FOR USE WITH A RISK CATEGORY II STRUCTURE***)
RISK CATEGORY II IS PER ASCE 7-16

|  |  |  | ALLOWABLE INSTALLATION ROOF HEIGHT |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE | $\begin{gathered} \text { UNIT } \\ \text { HEIGHT } \end{gathered}$ | UNIT WIDTH | C1 | C2 | C3 | C4 |
| $6 \mathrm{ft}^{2}$ | 29 in | 15 in | N/A | $\leq 200 \mathrm{FT}$ | N/A | $\leq 200 \mathrm{FT}$ |
| $9 \mathrm{ft}^{2}$ | 36 in | 27 in | N/A | $\leq 80 \mathrm{FT}$ | N/A | $\leq 80 \mathrm{FT}$ |
| $4 \mathrm{ft}^{2}$ | 48 in | 36 in | $\mathrm{H} \leq 40 \mathrm{FT}$ | $\leq 200 \mathrm{FT}$ | $\mathrm{H} \leq 40 \mathrm{FT}$ | $\leq 200 \mathrm{FT}$ |
| $6 \mathrm{ft}^{2}$ | 48 in | 36 in | AT GRADE | $\leq 200 \mathrm{FT}$ | AT GRADE | $\leq 200 \mathrm{FT}$ |
| $9 \mathrm{ft}^{2}$ | 48 in | 36 in | N/A | $\leq 80 \mathrm{FT}$ | N/A | $\leq 100 \mathrm{FT}$ |
| $12 \mathrm{ft}^{2}$ | 48 in | 36 in | N/A | $\mathrm{H} \leq 15 \mathrm{FT}$ | N/A | $\mathrm{H} \leq 15 \mathrm{FT}$ |
| $16 \mathrm{ft}^{\text {2 }}$ | 48 in | 36 in | N/A | AT Grade | N/A | AT GRaDE |
| $20 \mathrm{tt}^{2}$ | 60 in | 48 in | N/A | N/A | N/A | N/A |
| $25 \mathrm{ft}^{\text {2 }}$ | 60 in | 48 in | N/A | N/A | N/A | N/A |
| $30 \mathrm{tt}^{2}$ | 60 in | 48 in | N/A | N/A | N/A | N/A |
| $36 \mathrm{ft}^{2}$ | 60 in | 48 in | N/A | N/A | N/A | N/A |

TABLE 6 PERMISSIBLE INSTALLATION HEIGHTS: Vult=140 MPH, EXPOSURE C (FOR USE WITH A RISK CATEGORY II STRUCTURE***) RISK CATEGORY II IS PER ASCE 7-16

|  |  |  | ALLOWABLE INSTALLATION ROOF HEIGHT TIE-DOWN CONFIGURATION TYPE |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE | $\begin{gathered} \text { UNIT } \\ \text { HEIGHT } \end{gathered}$ | UNIT WIDTH | C1 | C2 | C3 | C4 |
| $6 \mathrm{ft}^{2}$ | 29 in | 15 in | AT GRade | $\leq 200 \mathrm{FT}$ | AT GRADE | $\leq 200 \mathrm{FT}$ |
| $9 \mathrm{ft}^{2}$ | 36 in | 27 in | N/A | $\leq 160 \mathrm{FT}$ | AT GRADE | $\leq 160 . \mathrm{FT}$ |
| $4 \mathrm{ft}^{2}$ | 48 in | 36 in | $\leq 100 \mathrm{FT}$ | $\leq 200 \mathrm{FT}$ | $\leq 100 \mathrm{FT}$ | $\leq 200 \mathrm{FT}$ |
| $6 \mathrm{ft}^{2}$ | 48 in | 36 in | AT GRADE | $\leq 200 \mathrm{FT}$ | AT GRADE | $\leq 200 \mathrm{FT}$ |
| $9 \mathrm{ft}^{2}$ | 48 in | 36 in | AT GRade | $\leq 180 \mathrm{FT}$ | AT GRADE | $\leq 180 \mathrm{FT}$ |
| $12 \mathrm{ft}^{2}$ | 48 in | 36 in | N/A | $\mathrm{H} \leq 40 \mathrm{FT}$ | N/A | $\mathrm{H} \leq 40 \mathrm{FT}$ |
| $16 \mathrm{ft}^{2}$ | 48 in | 36 in | N/A | AT GRade | N/A | AT GRADE |
| $20 \mathrm{ft}^{2}$ | 60 in | 48 in | N/A | AT GRade | N/A | At Grade |
| $25 \mathrm{ft}^{2}$ | 60 in | 48 in | N/A | N/A | N/A | N/A |
| $30 \mathrm{ft}^{2}$ | 60 in | 48 in | N/A | N/A | N/A | N/A |
| $36 \mathrm{ft}^{2}$ | 60 in | 48 in | N/A | N/A | N/A | N/A |

