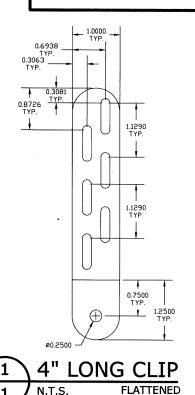
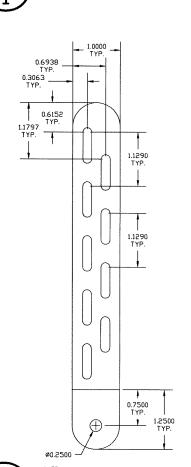
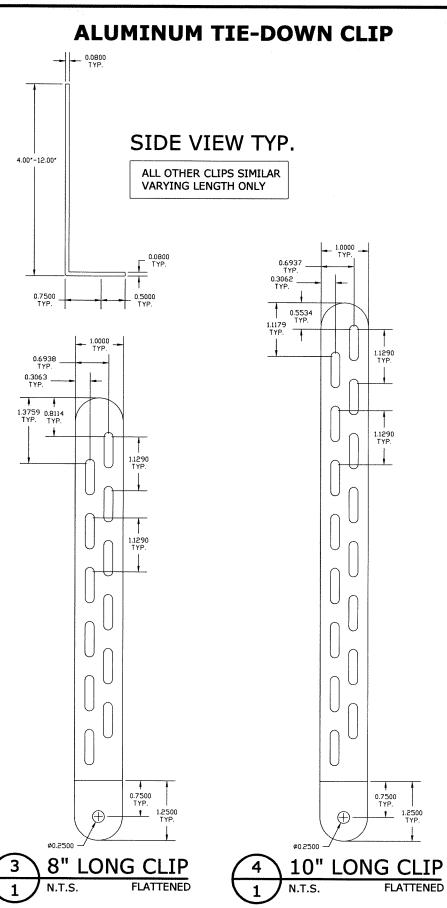
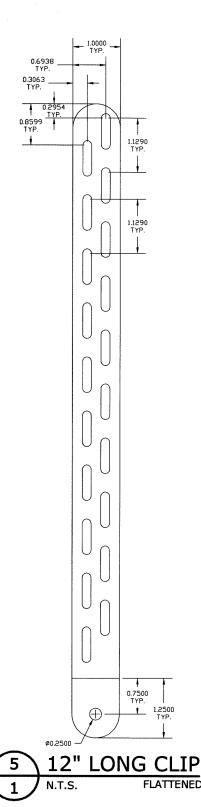
MIAMI TECH, INC.

MECHANICAL UNIT ALUMINUM TIE-DOWN CLIP: AT GRADE & ROOF-TOP MOUNTED APPLICATIONS









DESIGN NOTES:

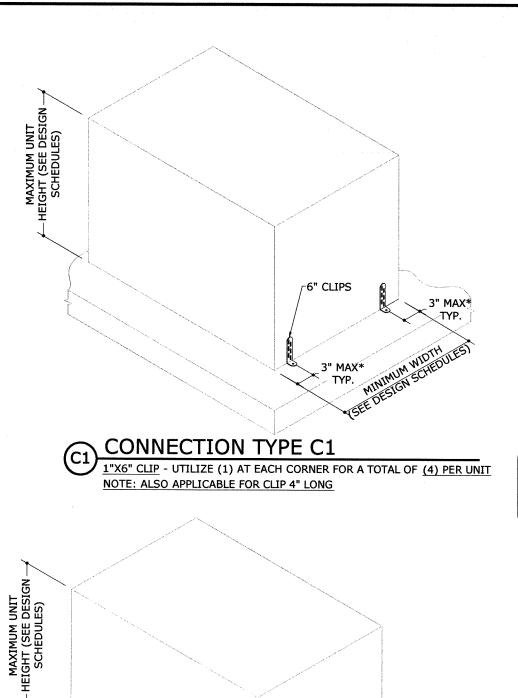
- 1. THIS PRODUCT HAS BEEN DESIGNED IN ACCORDANCE WITH ASCE-7-10 AND THE FLORIDA BUILDING CODE SIXTH EDITION (2017) FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE AS INDICATED IN THE ACCOMPANYING DESIGN SCHEDULES. THE DESIGN, CRITERIA USED TO CALCULATE THE ALLOWABLE ROOF-TOP HEIGHTS CONSIDERS FBC SECTION 1609.8 FOR NON-HVHZ AND SECTION 1620.6 FOR HVHZ (GC_f)_{Lateral}=1.90 WITHIN THE HVHZ & OUTSIDE THE HVHZ, (GC_f)_{UDIR}=1.5 FOR ALL LOCATIONS (CONCURRENT). ALL OTHER DESIGN VARIABLES ARE IN ACCORDANCE WITH ASCE 7-10
- **CHAPTERS 26 & 29.**
- THE HEIGHTS LISTED IN THE DESIGN SCHEDULES REPRESENT THE ALLOWABLE HEIGHT OF THE BUILDING.
- THIS PRODUCT APPROVAL ALLOWS FOR EACH UNIT TO BE INSTALLED ON A MAXIMUM 30" TALL A/C STAND (CERTIFICATION BY OTHERS) ON TOP OF THE HEIGHTS LISTED IN THE DESIGN SCHEDULES.
- NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM.
- DESIGN IS BASED ON CLIENT PROVIDED PRODUCT AND DIE SHEETS FROM TEST REPORT PROJECT #15-6206 BY FENESTRATION TESTING LABORATORY, INC.. NO SUBSTITUTIONS WITHOUT WRITTEN APPROVAL BY THIS ENGINEER SHALL BE PERMITTED.
- ALL ALUMINUM TIE-DOWN CLIPS SHALL BE 0.080" 5052-H32 ALUMINUM WITH Fy=28 KSI OR BETTER.

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE & ASCE 7. THIS PRODUCT MAY BE USED WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE.
- 2. MAXIMUM & MINIMUM DIMENSIONS AND MINIMUM WEIGHT OF MECHANICAL UNIT SHALL CONFORM TO SPECIFICATIONS STATED HEREIN. ALL MECHANICAL SPECIFICATIONS (CLEAR SPACE, TONNAGE, ETC.) SHALL BE AS PER MANUFACTURER RECOMMENDATIONS AND ARE THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR.
- FASTENERS TO BE #10 X 3/4" OR GREATER STAINLESS STEEL 410 UNLESS NOTED OTHERWISE. ANCHORS REFERRED TO HEREIN SHALL BE ELCO BRAND, STAINLESS STEEL ONLY, INSTALLED TO 3000 PSI MIN CONCRETE. SEE ANCHOR TO HOST SCHEDULE FOR ANCHOR REQUIREMENTS. ALL FASTENERS SHALL HAVE APPROPRIATE CORROSION PROTECTION TO PREVENT ELECTROLYSIS.
- ALL CONCRETE SPECIFIED HEREIN IS NOT PART OF THIS CERTIFICATION. AS A MINIMUM, ALL CONCRETE SHALL BE STRUCTURAL CONCRETE 4" MIN. THICK AND SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI. UNLESS NOTED OTHERWISE.
- THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
- ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS
- THE ADEQUACY OF ANY EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS SHALL BE VERIFIED BY THE ONSITE DESIGN PROFESSIONAL AND IS NOT INCLUDED IN THIS CERTIFICATION. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
- THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
- WATER-TIGHTNESS OF EXISTING HOST SUBSTRATE SHALL BE THE FULL RESPONSIBILITY OF THE INSTALLING CONTRACTOR. CONTRACTOR SHALL ENSURE THAT ANY REMOVED OR ALTERED WATERPROOFING MEMBRANE IS RESTORED AFTER FABRICATION AND INSTALLATION OF STRUCTURE PROPOSED HEREIN. THIS ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY WATERPROOFING OR LEAKAGE ISSUES WHICH MAY OCCUR AS WATER-TIGHTNESS SHALL BE THE FULL RESPONSIBILITY OF THE INSTALLING CONTRACTOR.
- 10. FOR AN EXPLANATION OF EXPOSURE AND RISK CATEGORIES THAT ACCOMPANY THE Vult WIND SPEEDS USED IN THIS APPROVAL, SEE SECTION 26.7.3 OF ASCE 7-10.

15-2786a

SCALE: N.T.S.



ALTERNATE CLIP

LOCATION,

SEE PAGE 3 DETAIL 3/3

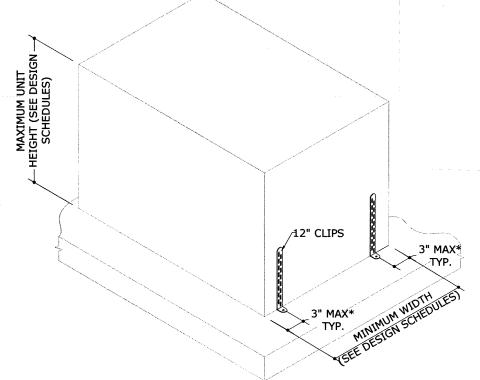
CONNECTION TYPE C2

NOTE: ALSO APPLICABLE FOR CLIP 4" LONG

1"X6" CLIP - UTILIZE (2) AT EACH CORNER FOR A TOTAL OF (8) PER UNIT

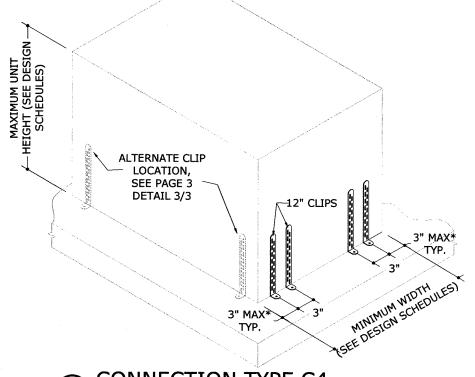
DISTANCE TO ANCHOR SPACING LIMITATIONS. SEE PAGE 4.

*NOTE: SEE ANCHOR TO HOST SCHEDULE FOR ALL EDGE



CONNECTION TYPE C3

1"X12" CLIP - UTILIZE (1) AT EACH CORNER FOR A TOTAL OF (4) PER UNIT NOTE: ALSO APPLICABLE FOR CLIPS 8" & 10" LONG



CONNECTION TYPE C4

1"X12" CLIP - UTILIZE (2) AT EACH CORNER FOR A TOTAL OF (8) PER UNIT NOTE: ALSO APPLICABLE FOR CLIPS 8" & 10" LONG

ALUMINUM TIE-DOWN CLIP

No PEOC **
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

**
No PEOC

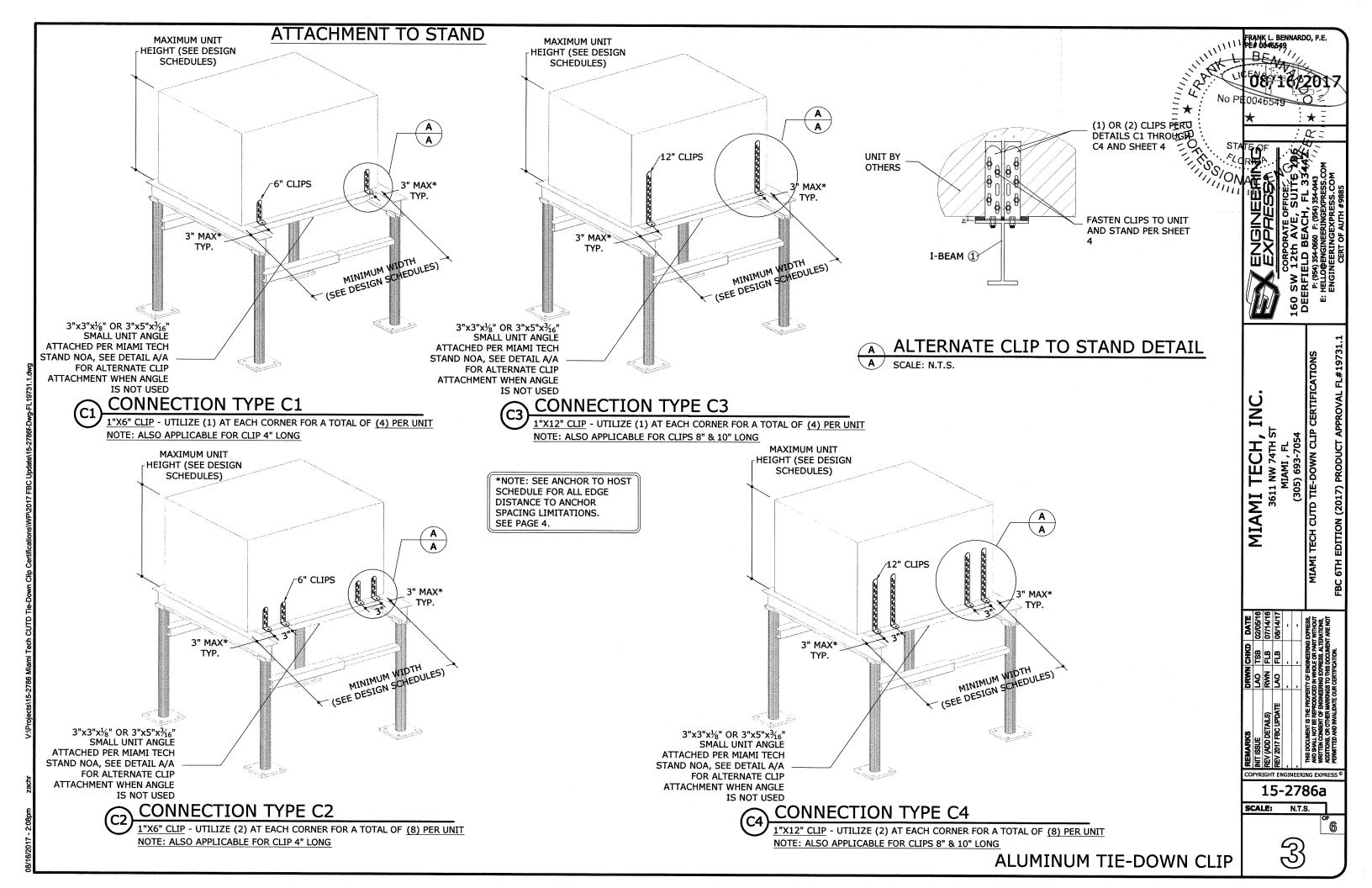
**
No PEOC

**
No PEOC

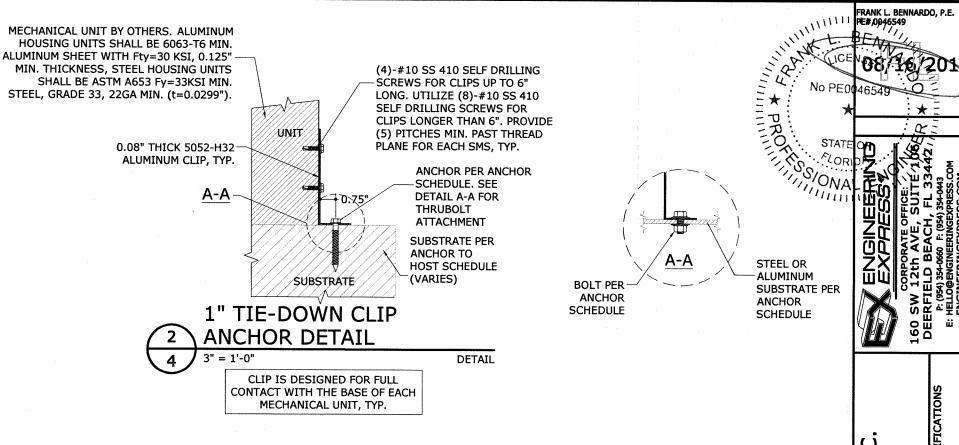
**
No PEOC

**
No PEO 160 SW DEERFI MIAMI , FL (305) 693-7054 MIAMI TECH CUTD TIE-DOWN CLIP CERTIFICATIONS MIAMI TECH, INC 15-2786a SCALE: N.T.S. 6

FRANK L. BENNARDO, P.E. PE# 0046549



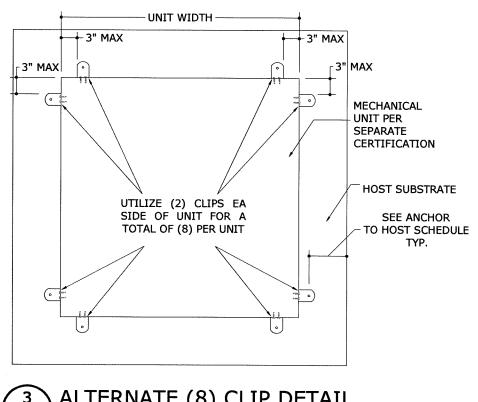




ANCHOR TO HOST SCHEDULE:

SUBSTRATE	DESCRIPTION
CONCRETE: (4" THICK MIN, 3000 PSI MIN.)	(1)-1/4"Ø STAINLESS STEEL 410 ELCO ULTRACON, 1¾" FULL EMBED TO CONCRETE, 2½" MIN. EDGE DISTANCE, 3" MIN. SPACING TO ANY ADJACENT ANCHOR.
ALUMINUM: (0.125" MIN. THICK, 6061-T6 MIN. ALUMINUM)	(1)-#14 SAE STAINLESS STEEL BOLT 410 WITH NUT AND WASHER TOP & BOTTOM SS OD 1", ½" MINIMUM EDGE DISTANCE TO METAL EDGE
STEEL: (0.125" MIN. THICK, 50 KSI MIN. STEEL)	(1)-#14 SAE STAINLESS STEEL BOLT 410 WITH NUT AND WASHER TOP & BOTTOM SS OD 1", ½" MINIMUM EDGE DISTANCE TO METAL EDGE

- 1. EMBEDMENT AND EDGE DISTANCE EXCLUDES FINISHES, IF APPLICABLE.
- 2. ENSURE MINIMUM EDGE DISTANCE AS NOTED IN ANCHOR SCHEDULE.
- 3. ENSURE MINIMUM SPACING TO ANY ADJACENT ANCHORS.
- 4. SEE DETAILS ON SHEET 4 FOR ANCHORS ATTACHING TO MECHANICAL UNIT.
- 5. PROTECT ALL METALS FROM DISSIMILAR METALS GENERAL NOTE #5



3 ALTERNATE (8) CLIP DETAIL

N.T.S. PLAN VIEW

THIS DETAIL MAY BE USED AS AN ALTERNATE GEOMETRIC PATTERN FOR ALL CONNECTION TYPES THAT UTILIZE (2) CLIPS AT EACH CORNER FOR A TOTAL OF (8) CLIPS PER UNIT.

ALUMINUM TIE-DOWN CLIP

V:\Projects\15-2786 Miami Tech CUTD Tie-Down Clip Certifications\WP\2017 FBC Update\15-2786f-Dwg-FL19731.1.dw

n zachr

4

15-2786a

SCALE: N.T.S.

MIAMI TECH CUTD TIE-DOWN CLIP

RISK CATEGORY II IS PER ASCE 7-10

				<u>(H)</u>			
			TIE	E-DOWN CONF	IGURATION TY	/PE	
MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	C1	C2	С3	C4	
6 FT ²	29" MAX	15" MIN	N/A	H ≤ 40 FT	N/A	H ≤ 40 FT	
9 FT ²	36" MAX	27" MIN	N/A	H ≤ 15 FT	N/A	H ≤ 15 FT	
4 FT ²			AT GRADE	H ≤ 200 FT	AT GRADE	H ≤ 200 FT	
6 FT ²		36" MIN	N/A	H ≤ 140FT	N/A	H ≤ 140FT	
9 FT ²	48" MAX		36" MIN	N/A	H ≤ 15 FT	N/A	H ≤ 15 FT
12 FT²			N/A	AT GRADE	N/A	AT GRADE	
16 FT ²			N/A	N/A	N/A	N/A	
20 FT ²			N/A	N/A	N/A	N/A	
25 FT ²	60" MAX	MAX 48" MIN	N/A	N/A	N/A	N/A	
30 FT ²			N/A	N/A	N/A	N/A	
36 FT ²				N/A	N/A	N/A	N/A

^{*}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 (FOR USE WITH A RISK CATEGORY II STRUCTURE IN THE HIGH VELOCITY HURRICANE ZONE (HVHZ)*) RISK CATEGORY II IS PER ASCE 7-10

GURY II IS PER ASCE	7-10			OWABLE ROO	****				
MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	C1	C2	СЗ	C4			
6 FT ²	29" MAX	15" MIN	N/A	H ≤ 15 FT	N/A	H ≤ 15 FT			
9 FT ²	36" MAX	27" MIN	N/A	AT GRADE	N/A	AT GRADE			
4 FT ²	11		AT GRADE	H ≤ 200 FT	AT GRADE	H ≤ 200 FT			
6 FT²			N/A	H ≤ 60 FT	N/A	H ≤ 80 FT			
9 FT²	48" MAX	36" MIN	N/A	AT GRADE	N/A	AT GRADE			
12 FT ²			N/A	AT GRADE	N/A	AT GRADE			
16 FT²			N/A	N/A	N/A	N/A			
20 FT ²			N/A	N/A	N/A	N/A			
25 FT ²	60" MAX	AON BAIRI	N/A	N/A	N/A	N/A			
30 FT ²	DU WAX	48" MIN	N/A	N/A	N/A	N/A			
36 FT ²			N/A	N/A	N/A	N/A			

^{*}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 3 PERMISSIBLE INSTALLATION HEIGHTS: Vult=170 MPH, EXPOSURE C

(FOR USE WITH A RISK CATEGORY II STRUCTURE**) **RISK CATEGORY II IS PER ASCE 7-10**

			ALLOWABLE INSTALLATION ROOF HEIGHT TIE-DOWN CONFIGURATION TYPE					
MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	C1	C2	С3	C4		
6 ft²	29 in	15 in	N/A	H ≤ 60 FT	N/A	H ≤ 60 FT		
9 ft²	36 in	27 in	N/A	H ≤ 15 FT	N/A	H ≤ 15 FT		
4 ft²	48 in	36 in	H ≤ 15 FT	≤ 200 FT	H ≤ 15 FT	≤ 200 FT		
6 ft²	48 in	36 in	AT GRADE	≤ 180 FT	AT GRADE	≤ 200 FT		
9 ft²	48 in	36 in	N/A	H ≤ 15 FT	N/A	H ≤ 15 FT		
12 ft²	48 in	36 in	N/A	AT GRADE	N/A	AT GRADE		
16 ft²	48 in	36 in	N/A	N/A	N/A	N/A		
20 ft ²	60 in	48 in	N/A	N/A	N/A	N/A		
25 ft²	60 in	48 in	N/A	N/A	N/A	N/A		
30 ft ²	60 in	48 in	N/A	N/A	N/A	N/A		
36 ft²	60 in	48 in	N/A	N/A	N/A	N/A		

TABLE 4 PERMISSIBLE INSTALLATION HEIGHTS: Vult=170 MPH, EXPOSURE D

(FOR USE WITH A RISK CATEGORY II STRUCTURE**) **RISK CATEGORY II IS PER ASCE 7-10**

			ALLOWABLE INSTALLATION ROOF HEIGHT TIE-DOWN CONFIGURATION TYPE				
MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT WIDTH	C1	C2	С3	C4		
6 ft²	29 in	15 in	N/A	H ≤ 15 FT	N/A	H ≤ 15 FT	
9 ft²	36 in	27 in	N/A	AT GRADE	N/A	AT GRADE	
4 ft²	48 in	36 in	AT GRADE	≤ 200 FT	AT GRADE	≤ 200 FT	
6 ft²	48 in	36 in	N/A	≤ 100 FT	N/A	≤ 100 FT	
9 ft²	48 in	36 in	N/A	AT GRADE	N/A	AT GRADE	
12 ft²	48 in	36 in	N/A	AT GRADE	N/A	AT GRADE	
16 ft²	48 in	36 in	N/A	N/A	N/A	N/A	
20 ft ²	60 in	48 in	N/A	N/A	N/A	N/A	
25 ft²	60 in	48 in	N/A	N/A	N/A	N/A	
30 ft²	60 in	48 in	N/A	N/A	N/A	N/A	
36 ft²	60 in	48 in	N/A	N/A	N/A	N/A	

SCALE: N.T.S.

(FOR USE WITH A RISK CATEGORY II STRUCTURE***)
RISK CATEGORY II IS PER ASCE 7-10

			!	ALLOWABLE INSTALL TIE-DOWN CONF	ATION ROOF HEIGH	IT
MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	C1	C2	СЗ	C4
6 ft²	29 in	15 in	H ≤ 15 FT	≤ 200 FT	H ≤ 15 FT	≤ 200 FT
9 ft ²	36 in	27 in	AT GRADE	≤ 200 FT	AT GRADE	≤ 200 FT
4 ft ²	48 in	36 in	≤ 200 FT	≤ 200 FT	≤ 200 FT	≤ 200 FT
6 ft²	48 in	36 in	H ≤ 40 FT	≤ 200 FT	H ≤ 60 FT	≤ 200 FT
9 ft²	48 in	36 in	AT GRADE	≤ 200 FT	AT GRADE	≤ 200 FT
12 ft²	48 in	36 in	AT GRADE	≤ 120 FT	AT GRADE	≤ 120 FT
16 ft²	48 in	36 in	N/A	H ≤ 40 FT	N/A	H ≤ 40 FT
20 ft ²	60 in	48 in	N/A	H ≤ 15 FT	N/A	H ≤ 15 FT
25 ft ²	60 in	48 in	N/A	AT GRADE	N/A	AT GRADE
30 ft ²	60 in	48 in	N/A	AT GRADE	N/A	AT GRADE
36 ft²	60 in	48 in	N/A	N/A	N/A	N/A

TABLE 6 PERMISSIBLE INSTALLATION HEIGHTS: Vult=140 MPH, EXPOSURE 61

(FOR USE WITH A RISK CATEGORY II STRUCTURE***)
RISK CATEGORY II IS PER ASCE 7-10

		MANAGEMENT PROPERTY.	<u> </u>	ALLOWABLE INSTALL TIE-DOWN CONF	ATION ROOF HEIGH	T
MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	C1	C2	СЗ	C4
6 ft²	29 in	15 in	AT GRADE	≤ 200 FT	AT GRADE	≤ 200 FT
9 ft²	36 in	27 in	N/A	≤ 160 FT	AT GRADE	≤ 160 FT
4 ft²	48 in	36 in	≤ 100 FT	≤ 200 FT	≤ 100 FT	≤ 200 FT
6 ft²	48 in	36 in	AT GRADE	≤ 200 FT	AT GRADE	≤ 200 FT
9 ft²	48 in	36 in	AT GRADE	≤ 180 FT	AT GRADE	≤ 180 FT
12 ft²	48 in	36 in	N/A	H ≤ 40 FT	N/A	H ≤ 40 FT
16 ft²	48 in	36 in	N/A	AT GRADE	N/A	AT GRADE
20 ft ²	60 in	48 in	N/A	AT GRADE	N/A	AT GRADE
25 ft²	60 in	48 in	N/A	N/A	N/A	N/A
30 ft ²	60 in	48 in	N/A	N/A	N/A	N/A
36 ft²	60 in	48 in	N/A	N/A	N/A	N/A

TABLE 7 PERMISSIBLE INSTALLATION HEIGHTS: Vult=140 MPH, EXPOSURE D

(FOR USE WITH A RISK CATEGORY II STRUCTURE***)
RISK CATEGORY II IS PER ASCE 7-10

	approximate a constraint of the constraint of th		Ĭ	ALLOWABLE INSTALL TIE-DOWN CONF	ATION ROOF HEIGH	<u>.T</u> I			
MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	C1	C2	СЗ	C4			
6 ft²	29 in	15 in	N/A	≤ 200 FT	N/A	≤ 200 FT			
9 ft²	36 in	27 in	N/A	≤ 80 FT	N/A	≤ 80 FT			
4 ft²	48 in	36 in	H ≤ 40 FT	≤ 200 FT	H ≤ 40 FT	≤ 200 FT			
6 ft²	48 in	36 in	AT GRADE	≤ 200 FT	AT GRADE	≤ 200 FT			
9 ft²	48 in	36 in	N/A	≤ 80 FT	N/A	≤ 100 FT			
12 ft²	48 in	36 in	N/A	H ≤ 15 FT	N/A	H ≤ 15 FT			
16 ft²	48 in	36 in	N/A	AT GRADE	N/A	AT GRADE			
20 ft²	60 in	48 in	N/A	N/A	N/A	N/A			
25 ft²	60 in	48 in	N/A	N/A	N/A	N/A			
30 ft²	60 in	48 in	N/A	N/A	N/A	N/A			
36 ft ²	60 in	48 in	N/A	N/A	N/A	N/A			

15-2786a

6