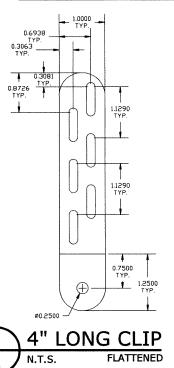
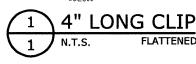
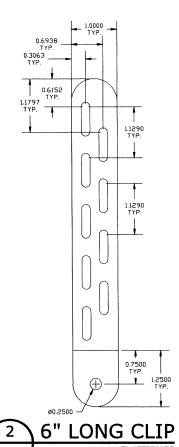
MIAMI TECH, INC.

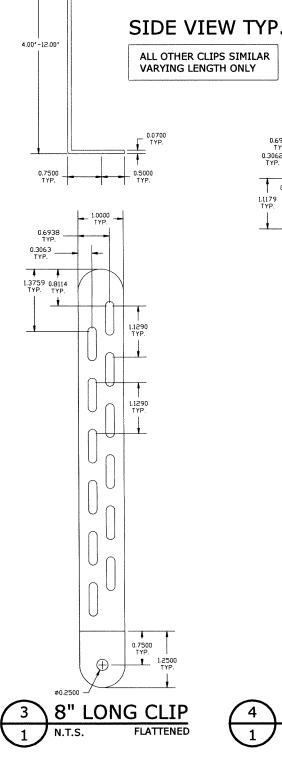
MECHANICAL UNIT STEEL TIE-DOWN CLIP: AT GRADE & ROOF-TOP MOUNTED APPLICATIONS

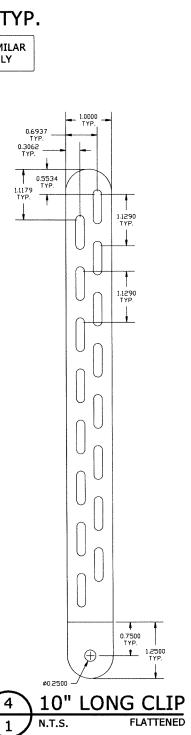
STEEL TIE-DOWN CLIP

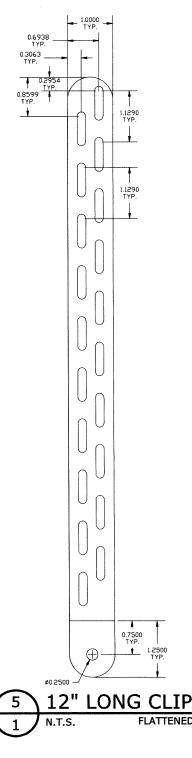












DESIGN NOTES:

- 1. THIS PRODUCT HAS BEEN DESIGNED IN ACCORDANCE WITH ASCE 7-10 AND THE FLORIDA BUILDING CODE 2014 (5th EDITION) 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 ASCE 7-10 SECTION 29.5.1 FOR ROOF TOP HEIGHTS (H) ≤60 FT AND SECTION 29.5 FOR ROOF TOP HEIGHTS (H)>60 FT & SECTION 29.4.1 FOR INSTALLATIONS AT GRADE. (GC f) Lateral = 3.10 WITHIN THE HVHZ, $(GC_f)_{Lateral} = 1.90$ OUTSIDE THE HVHZ, $(GC_f)_{Uplift} = 1.5$ 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.
- 7. STEEL CLIPS SHALL BE ASTM A653 STEEL WITH Fy=33 KSI OR BETTER. STEEL MEMBERS SHALL BE PROTECTED AGAINST CORROSION WITH AN APPROVED COAT OF PAINT, ENAMEL OR OTHER APPROVED PROTECTION. G90-RATED COATING REQUIRED FOR COASTAL INSTALLATIONS.

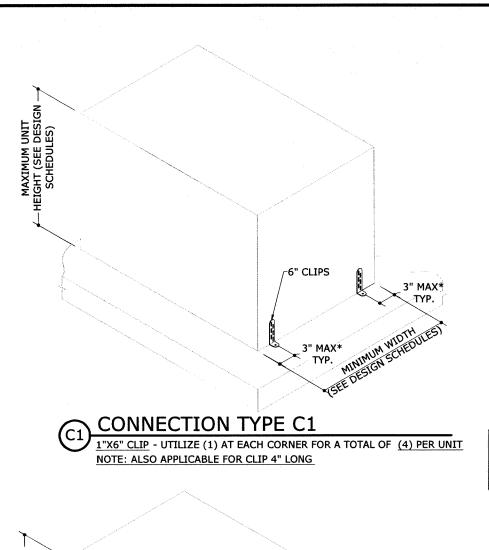
GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE & ASCE 7-10. THIS PRODUCT MAY BE USED WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE.
- 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
- 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.

MIAMI 7

15-2786

SCALE: N.T.S.



ALTERNATE CLIP LOCATION,

SEE PAGE 3 DETAIL 3/3

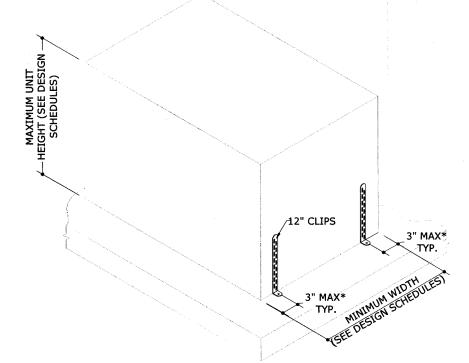
> 3" MAX* TYP.

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

CONNECTION TYPE C2

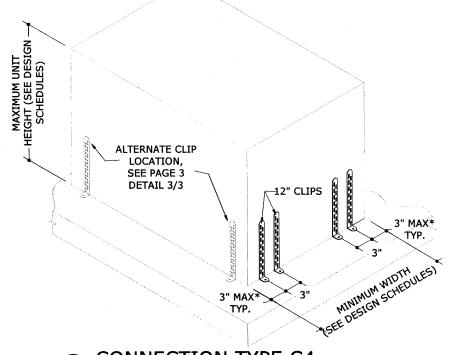
NOTE: ALSO APPLICABLE FOR CLIP 4" LONG

*NOTE: SEE ANCHOR TO HOST SCHEDULE FOR ALL EDGE DISTANCE TO ANCHOR SPACING LIMITATIONS. SEE PAGE 4.



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

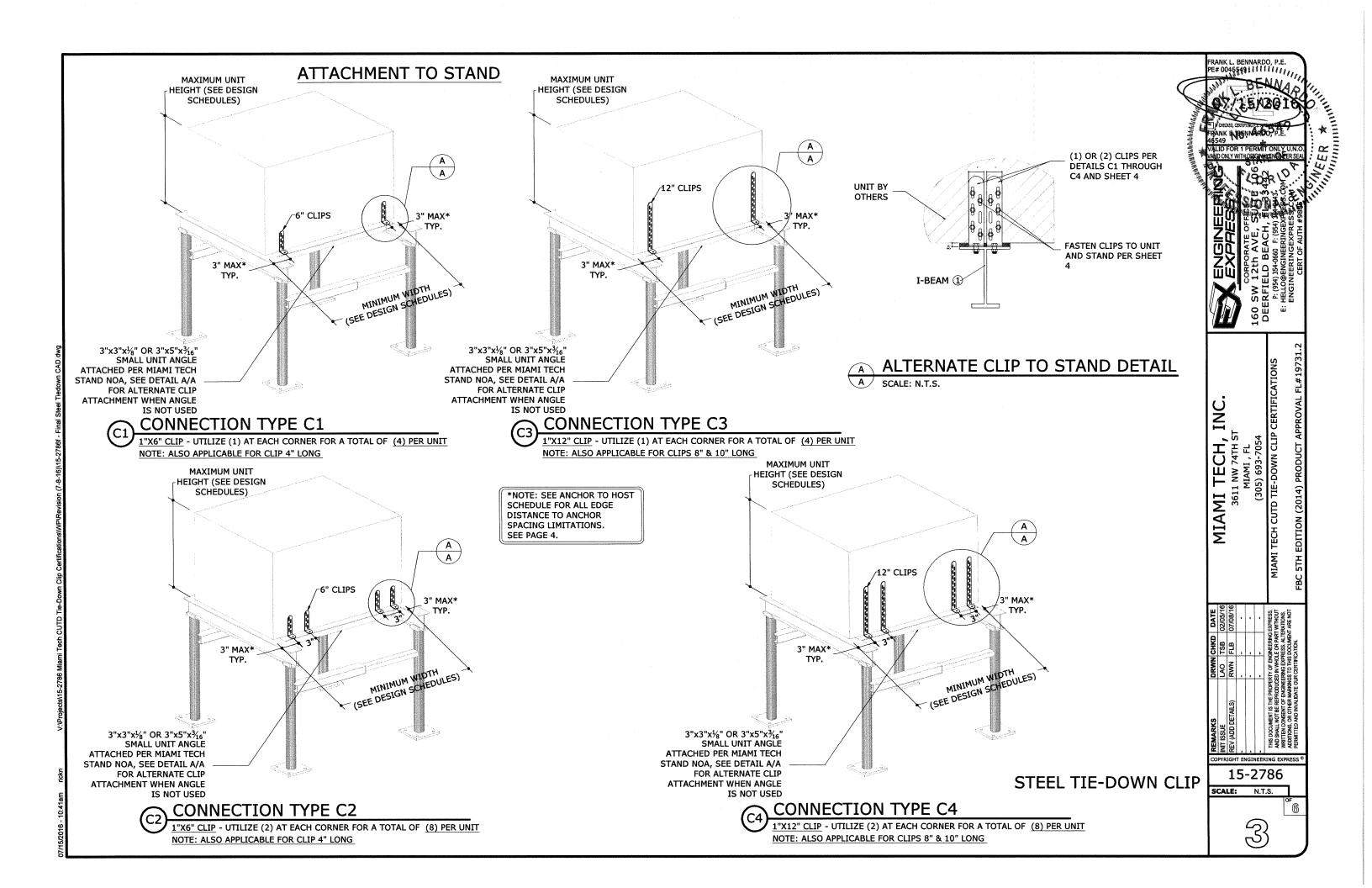


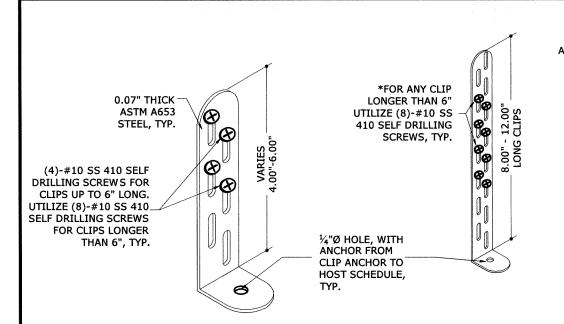
CONNECTION TYPE C4

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

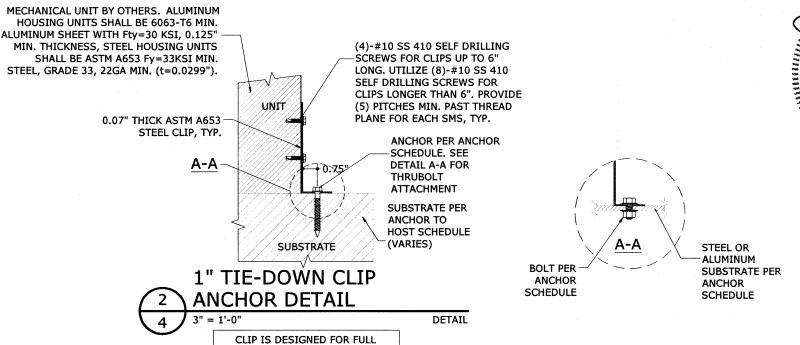
STEEL TIE-DOWN CLIP

MIAMI TECH, INC 3611 NW 74TH ST MIAMI TECH CUTD TIE-DOWN CLIP 15-2786 SCALE: N.T.S. 2





CLIP ISOMETRIC DETAIL



CONTACT WITH THE BASE OF EACH

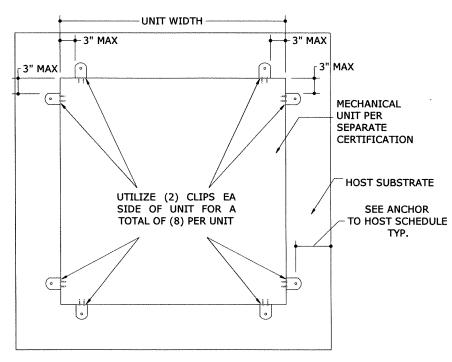
MECHANICAL UNIT, TYP.

ANCHOR TO HOST SCHEDULE:

ISOMETRIC

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

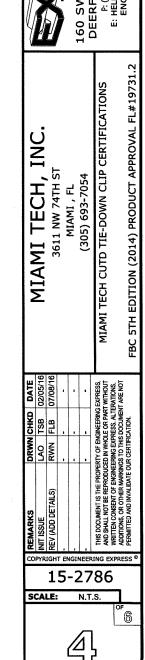
- EMBEDMENT AND EDGE DISTANCE EXCLUDES FINISHES, IF APPLICABLE. ENSURE MINIMUM EDGE DISTANCE AS NOTED IN ANCHOR SCHEDULE.
- ENSURE MINIMUM SPACING TO ANY ADJACENT ANCHORS.
- SEE DETAILS ON SHEET 4 FOR ANCHORS ATTACHING TO MECHANICAL UNIT.
- PROTECT ALL METALS FROM DISSIMILAR METALS GENERAL NOTE #5



ALTERNATE (8) CLIP DETAIL

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.

STEEL TIE-DOWN CLIP



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

TEGURY II IS PER ASCE	7-10		ALLOWABLE ROOF-TOP HEIGHT (H) TIE-DOWN CONFIGURATION TYPE				
MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	C1	C2	C3	C4	
6 FT ²	29" MAX	15" MIN	AT GRADE	H ≤ 80 FT	AT GRADE	H ≤ 120 FT	
9 FT²	36" MAX	27" MIN	AT GRADE	H ≤ 30 FT	AT GRADE	H ≤ 40 FT	
4 FT ²		36" MIN	H ≤ 15 FT	H ≤ 200 FT	H ≤ 30 FT	H ≤ 200 FT	
6 FT ²			AT GRADE	H ≤ 200 FT	AT GRADE	H ≤ 200 FT	
9 FT²	48" MAX		AT GRADE	H ≤ 40 FT	AT GRADE	H ≤ 60 FT	
12 FT ²			N/A	AT GRADE	N/A	AT GRADE	
16 FT ²			N/A	AT GRADE	N/A	AT GRADE	
20 FT ²			N/A	AT GRADE	N/A	AT GRADE	
25 FT ²	COULANY	48" MIN	N/A	AT GRADE	N/A	AT GRADE	
30 FT ²	60" MAX		N/A	N/A	N/A	AT GRADE	
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

ALLOWABLE ROOF-TOP HEIGHT (H)

(FOR USE WITH A RISK CATEGORY II STRUCTURE IN THE HIGH VELOCITY HURRICANE ZONE (HVHZ)*)

RISK CATEGORY II IS PER ASCE 7-10

			TIE-DOWN CONFIGURATION TYPE				
MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	C1	C2	C3	C4	
6 FT ²	29" MAX	15" MIN	AT GRADE	H ≤ 30 FT	AT GRADE	H ≤ 60 FT	
9 FT ²	36" MAX	27" MIN	N/A	AT GRADE	AT GRADE	H ≤ 15 FT	
4 FT ²			AT GRADE	H ≤ 200 FT	AT GRADE	H ≤ 200 FT	
6 FT ²		36" MIN	AT GRADE	H ≤ 180 FT	AT GRADE	H ≤ 200 FT	
9 FT²	48" MAX		AT GRADE	AT GRADE	AT GRADE	H ≤ 15 FT	
12 FT ²				N/A	AT GRADE	N/A	AT GRADE
16 FT ²			N/A	AT GRADE	N/A	AT GRADE	
20 FT ²			N/A	AT GRADE	N/A	AT GRADE	
25 FT ²	CO" MAN	" MAX 48" MIN	N/A	N/A	N/A	AT GRADE	
30 FT ²	OU WAX		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 ROOF-TOP HEIGHT (H) TIE-DOWN CONFIGURATION TYPE					
MAX SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	C1	C2	С3	C4		
6 FT²	29" MAX	15" MIN	AT GRADE	H ≤ 200 FT	AT GRADE 60 FT < H ≤ 100 FT	H ≤ 200 FT		
9 FT²	36" MAX	27" MIN	AT GRADE	H ≤ 200 FT	AT GRADE	H ≤ 200 FT		
4 FT ²			H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT		
6 FT²			H ≤ 30 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT	H ≤ 40 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT		
9 FT²	48" MAX	36" MIN	AT GRADE	H ≤ 200 FT	AT GRADE 60 FT < H ≤ 80 FT	H ≤ 200 FT		
12 FT²				N/A	H ≤ 200 FT	N/A	H ≤ 200 FT	
16 FT ²			N/A	H ≤ 15 FT 60 FT < H ≤ 200 FT	N/A	H ≤ 30 FT 60 FT < H ≤ 200 FT		
20 FT ²			N/A	AT GRADE 60 FT < H ≤ 120 FT	N/A	AT GRADE 60 FT < H ≤ 180 FT		
25 FT ²	60" MAX	48" MIN	N/A	AT GRADE	N/A	AT GRADE		
30 FT ²	OU WAX	46 IVIIN	N/A	N/A	N/A	AT GRADE		
36 FT ²			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**

LEGEND:	
H ≤ 15 FT 60 FT < H ≤ 200 FT IN THIS EXAMPLE, THE PRODUCT CAN BE INSTALLED ON A BUILDING ROOF HEIGHT (H) LESS THAN OR EQUAL TO 15 FEET, OR ON A BUILDING ROOF HEIGHT THAT IS BETWEEN 60 TO 200 FEET (FT) ABOVE GRADE. SEE DESIGN NOTE 1	

			TIE-DOWN CONFIGURATION TYPE				
MAX SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	C1	C2	C3	C4	
6 FT²	29" MAX	15" MIN	AT GRADE	H ≤ 200 FT	AT GRADE	H ≤ 200 FT	
9 FT²	36" MAX	27" MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT	
4 FT²			H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	
6 FT²			AT GRADE 60 FT < H ≤ 200 FT	H ≤ 200 FT	H ≤ 15 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT	
9 FT²	48" MAX	36" MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT	
12 FT²			N/A	H ≤ 40 FT 60 FT < H ≤ 200 FT	N/A	H ≤ 200 FT	
16 FT²			N/A	AT GRADE 60 FT < H ≤ 180 FT	N/A	AT GRADE 60 FT < H ≤ 200 FT	
20 FT ²			N/A	AT GRADE	N/A	AT GRADE 60 FT < H ≤ 100 FT	
25 FT ²	60" MAX	48" MIN	N/A	N/A	N/A	N/A	
30 FT ²	TOU WAX	40 IVIIN	N/A	N/A	N/A	N/A	
36 FT ²		Padders and deligated the second	N/A	N/A	N/A	N/A	

ALLOWARIE ROOF-TOP HEIGHT (H)

**AS AN EXAMPLE, THESE TABLES ARE PERMISSIBLE TO BE USED WITHIN PALM BEACH COUNTY. CHECK WITH LOCAL AUTHORITY HAVING JURISDICTION FOR THE APPLICABILITY OF THESE TABLES WITHIN CERTAIN FLORIDA COUNTIES.

15-2786

SCALE: N.T.S.

5

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

		-	ALLOWABLE ROOF-TOP HEIGHT (H) TIE-DOWN CONFIGURATION TYPE				
MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	C1	C2	С3	C4	
6 FT²	29" MAX	15" MIN	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	
9 FT²	36" MAX	27" MIN	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	
4 FT²			H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	
6 FT²			H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	
9 FT²	48" MAX	36" MIN	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	
12 FT²			H ≤ 200 FT	H ≤ 200 FT	H ≤ 40 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT	
16 FT²			AT GRADE 60 FT < H ≤ 80 FT	H ≤ 200 FT	H ≤ 15 FT 60 FT < H ≤ 100 FT	H ≤ 200 FT	
20 FT ²			AT GRADE	H ≤ 200 FT	AT GRADE	H ≤ 200 FT	
25 FT²	CO!! 141V	48" MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT	
30 FT ²	60" MAX	48 IVIIN	N/A	H ≤ 30 FT 60 FT < H ≤ 200 FT	N/A	H ≤ 40 FT 60 FT < H ≤ 200 FT	
36 FT²			N/A	H ≤ 15 FT 60 FT < H ≤ 120 FT	N/A	H ≤ 15 FT 60 FT < H ≤ 180 FT	

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

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

SK CATEGORY II IS PER A				ALLOWABLE ROO TIE-DOWN CONF	F-TOP HEIGHT (H)	
MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	C1	C2	С3	C4
6 FT²	29" MAX	15" MIN	H ≤ 30 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT	H ≤ 40 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT
9 FT²	36" MAX	27" MIN	H ≤ 15 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT	H ≤ 30 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT
4 FT²			H ≤ 200 FT	H ≤ 200 FT	H ≤ 60 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT
6 FT²			H ≤ 200 FT	H ≤ 200 FT	H ≤ 60 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT
9 FT²	48" MAX	36" MIN	H ≤ 15 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT	H ≤ 40 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT
12 FT ²			AT GRADE 60 FT < H ≤ 80 FT	H ≤ 200 FT	AT GRADE 60 FT < H ≤ 140 FT	H ≤ 200 FT
16 FT ²			N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
20 FT ²			N/A	H ≤ 40 FT 60 FT < H ≤ 200 FT	N/A	H ≤ 200 FT
25 FT²	CO!! 144.V	400 54154	N/A	H ≤ 15 FT 60 FT < H ≤ 200 FT	N/A	H ≤ 30 FT 60 FT < H ≤ 200 FT
30 FT ²	60" MAX	48" MIN	N/A	AT GRADE 60 FT < H ≤ 100 FT	N/A	AT GRADE 60 FT < H ≤ 160 FT
36 FT ²			N/A	AT GRADE	N/A	AT GRADE

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

SK CATEGORY II IS PER ASCE 7-10			ALLOWABLE ROOF-TOP HEIGHT (H)					
			TIE-DOWN CONFIGURATION TYPE					
MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	C1	C2	С3	C4		
6 FT²	29" MAX	15" MIN	AT GRADE 60 FT < H ≤ 200 FT	H ≤ 200 FT	H ≤ 15 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT		
9 FT²	36" MAX	27" MIN	AT GRADE 60 FT < H ≤ 200 FT	H ≤ 200 FT	AT GRADE 60 FT < H ≤ 200 FT	H ≤ 200 FT		
4 FT²			H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT		
6 FT²			H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT		
9 FT²	48" MAX	36" MIN	36" MIN	MAX 36" MIN	AT GRADE 60 FT < H ≤ 200 FT	H ≤ 200 FT	H ≤ 15 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT
12 FT²			AT GRADE	H ≤ 200 FT	AT GRADE	H ≤ 200 FT		
16 FT²			N/A	H ≤ 200 FT	N/A	H ≤ 200 FT		
20 FT²			N/A	H ≤ 15 FT 60 FT < H ≤ 200 FT	N/A	H ≤ 40 FT 60 FT < H ≤ 200 FT		
25 FT ²	60" MAX	48" MIN	N/A	AT GRADE 60 FT < H ≤ 160 FT	N/A	AT GRADE 60 FT < H ≤ 200 FT		
30 FT²	OU IVIAX	40 IVIIIN	N/A	AT GRADE	N/A	AT GRADE 60 FT < H ≤ 80 FT		
36 FT ²			N/A	N/A	N/A	AT GRADE		

LEGEND:

H ≤ 15 FT 60 FT < H ≤ 200 FT

IN THIS EXAMPLE, THE PRODUCT CAN BE INSTALLED ON A BUILDING ROOF HEIGHT LESS (H) THAN OR EQUAL TO 15 FEET, OR ON A BUILDING ROOF HEIGHT THAT IS BETWEEN 60 TO 200 FEET (FT) ABOVE GRADE. SEE DESIGN NOTE 1

***AS AN EXAMPLE, THESE TABLES ARE PERMISSIBLE TO BE USED WITHIN BREVARD COUNTY. CHECK WITH LOCAL AUTHORITY HAVING JURISDICTION FOR THE APPLICABILITY OF THIS TABLE WITHIN CERTAIN FLORIDA COUNTIES.

STEEL TIE-DOWN CLIP

15-2786 SCALE: N.T.S. 6



July 14, 2016

Miami Tech, Inc. 3611 NW 74th St Miami, FL 33147

This certification is valid for (1) permit only with original engineer signature & seal.

Regarding:

Miami Tech CUTD Tie-Down Clip to Miami Tech Approved Stand Illustrations

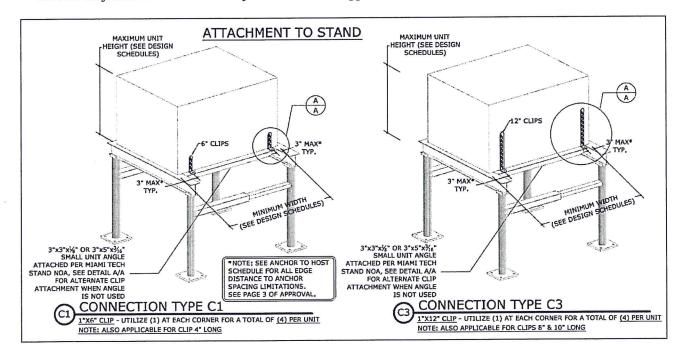
Florida Statewide Approval #FL19731 & Miami Dade NOA 16-0601.01

Attention:

Building Department Official

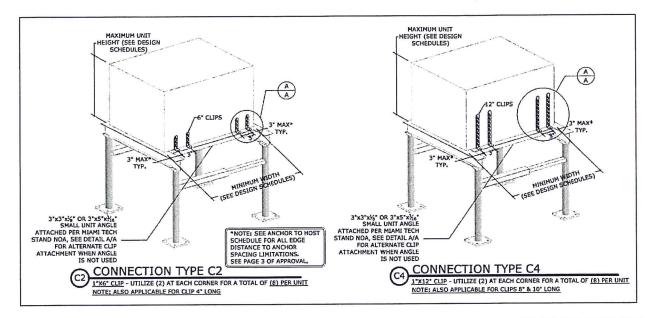
The below-signed engineer is the evaluator of record for the installation limitations of aluminum and steel CUTD tie-down clips manufactured by Miami Tech, Inc. of Miami, Florida which are product approved by the State of Florida under FL#'s 19731.1 & 19731.2. the product approvals list attachments to generic aluminum substrates of a given alloy and thickness. The capacities of the clips referenced on those approvals have been tested and evaluated per the Florida Building Code Fifth Edition (2014).

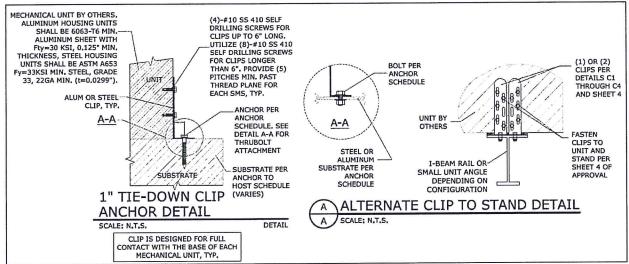
This letter serves to provide an easy reference for the use of the clips to the Miami-Dade approved stand also manufactured by Miami Tech (certified under NOA 16-0601.01). The Miami Tech stand is a substrate congruent with the aluminum clip connection requirements of the Florida product approvals. We offer the details below to illustrate examples of how the two approved products can be used in conjunction with each other joined from each approval:





Miami-Tech CUTD Clip





All other installation criteria shall follow the product approvals referenced above, as well as the minimum requirements of the Florida Building Code Fifth Edition (2014) as well as any jurisdictional restrictions that may apply. Except as expressly provided herein, no additional certifications or affirmations are intended. Thank you for your attention to this matter.

