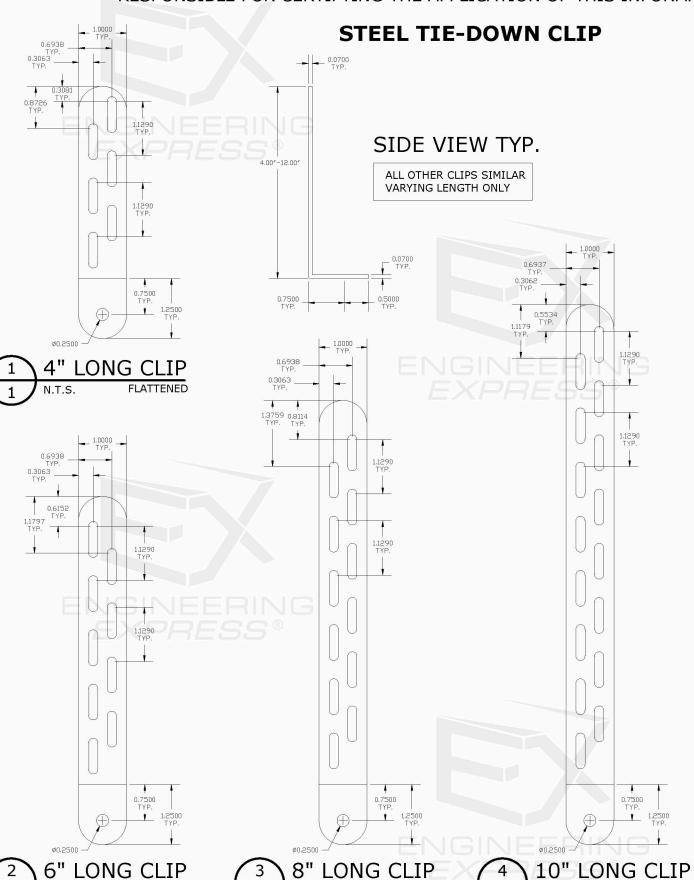
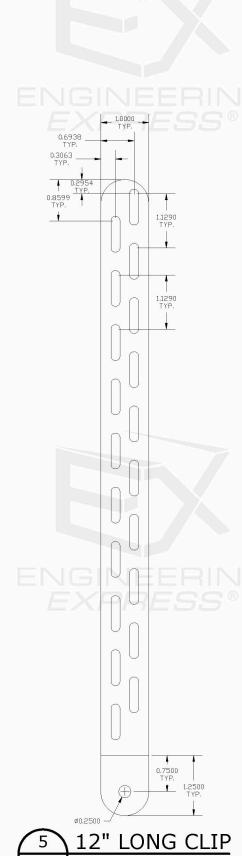
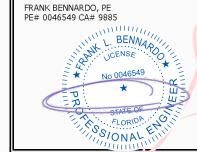
# MIAMI TECH, INC.

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

NON-SITE-SPECIFIC STRUCTURAL PERFORMANCE EVALUATION. A DESIGN PROFESSIONAL SHALL BE RESPONSIBLE FOR CERTIFYING THE APPLICATION OF THIS INFORMATION TO ANY SITE-SPECIFIC LOCATION.







Digitally signed by Frank Bennardo Date: 2023.08.21

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NOTE REGARDING USE OF THIS DOCUMENT & USE OUTSIDE FLORIDA:

NON-SITE-SPECIFIC STRUCTURAL PERFORMANCE EVALUATION. THIS PRODUCT EVALUATION IS VALID FOR USE IN FLORIDA ONLY. USE OF THIS EVALUATION REQUIRES A REVIEW & CERTIFICATION BY A LOCAL DESIGN PROFESSIONAL WHO SHALL BE RESPONSIBLE FOR THE PROPER ADAPTATION OF THIS GENERAL PERFORMANCE EVALUATION TO ANY SITE-SPECIFIC PROJECT. CONTACT THIS OFFICE AT ENGINEERINGEXPRESS.COM/QUOTE FOR ASSISTANCE WITH YOUR PROJECT-SPECIFIC NEEDS & FOR ADAPTATION 8 CERTIFICATION OF THIS DOCUMENT OUTSIDE OF FLORIDA.

#### **DESIGN NOTES:**

- 1. THIS PRODUCT HAS BEEN DESIGNED IN ACCORDANCE WITH ASCE 7-22 AND THE FLORIDA BUILDING CODE 8th EDITION (2023) 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 CHAPTER 16:  $(GC_f)_{Lateral}$ =1.90 WITHIN THE HVHZ & OUTSIDE THE HVHZ,  $(GC_f)_{Uolift}$ =1.5 FOR ALL LOCATIONS (CONCURRENT).
- ALL OTHER DESIGN VARIABLES ARE IN ACCORDANCE WITH ASCE 7 CHAPTERS 26 & 29. THE HEIGHTS LISTED IN THE DESIGN SCHEDULES REPRESENT THE ALLOWABLE HEIGHT
- 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
- 5. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS
- 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

#### **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.
- 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 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 & DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. THESE PLANS SHALL BE USED ALONG WITH SITE SPECIFIC PLANS & INFORMATION BY OTHERS TO CONSTITUTE APPROVAL FOR PERMIT & CONSTRUCTION.
- 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 10. FOR AN EXPLANATION OF EXPOSURE AND RISK CATEGORIES THAT ACCOMPANY THE Vult
- WIND SPEEDS USED IN THIS APPROVAL, SEE ASCE 7.

#### VISIT ECALC.IO/61594

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

VISIT ENGINEERINGEXPRESS.COM/MIAMITECH FOR ADDITIONAL PLANS, REPORTS & RESOURCES

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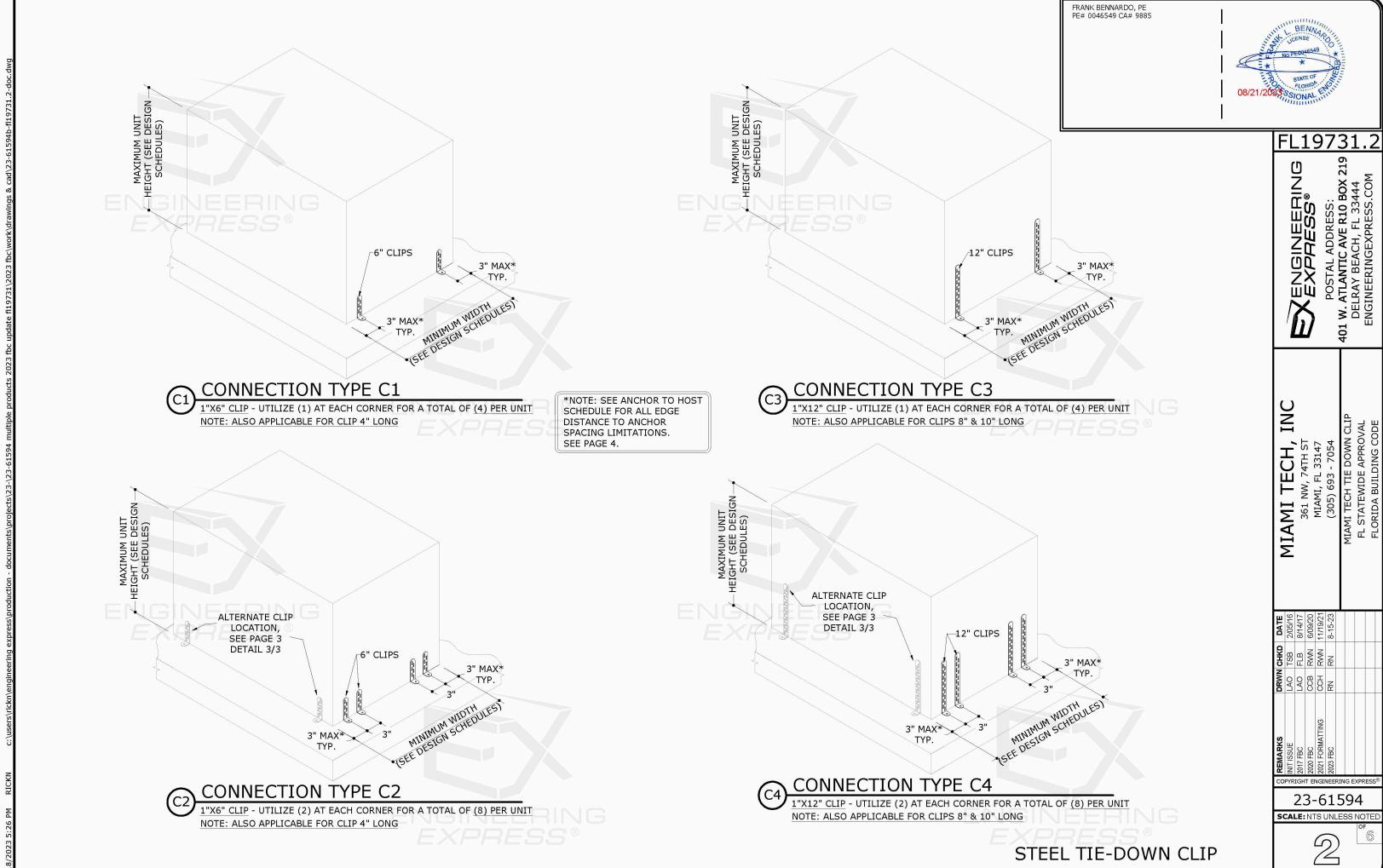
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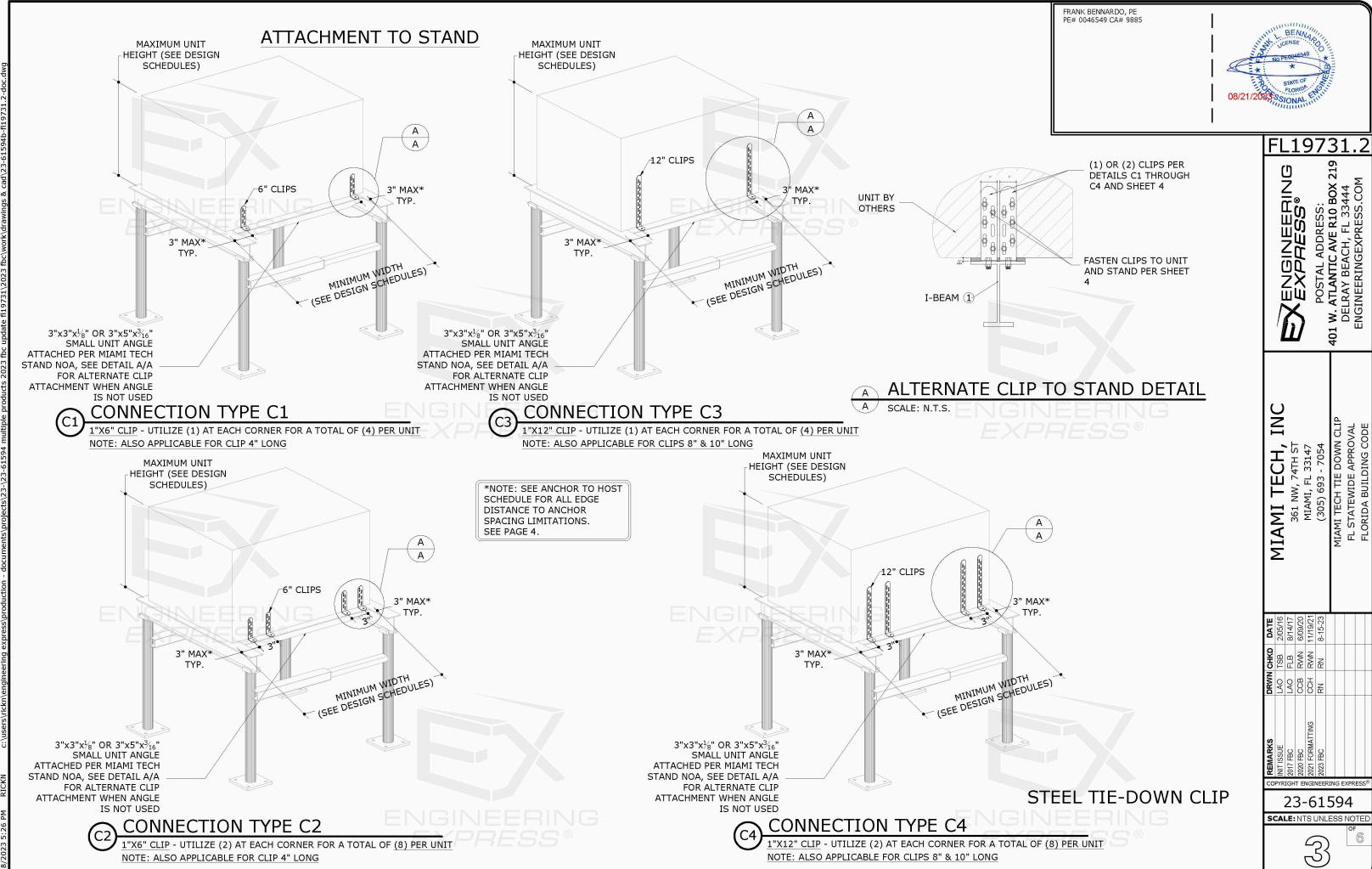
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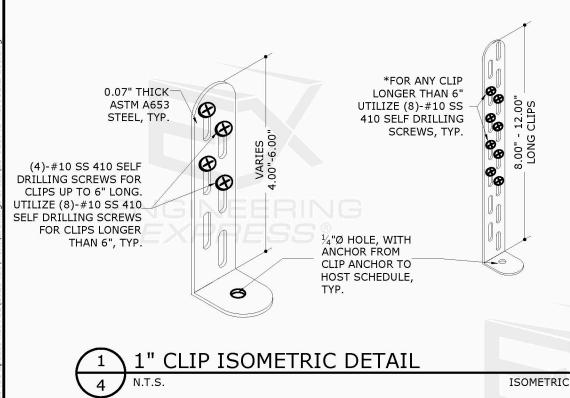
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MECHANICAL UNIT BY OTHERS. ALUMINUM HOUSING UNITS SHALL BE 6063-T6 MIN. ALUMINUM SHEET WITH Fty=30 KSI, 0.125" MIN. THICKNESS, STEEL HOUSING UNITS SHALL BE ASTM A653 Fy=33KSI MIN. STEEL, GRADE 33, 22GA MIN. (t=0.0299").

> 0.07" THICK ASTM A653-STEEL CLIP, TYP.

A-A

CLIPS LONGER THAN 6". PROVIDE (5) PITCHES MIN. PAST THREAD PLANE FOR EACH SMS, TYP. ANCHOR PER ANCHOR SCHEDULE. SEE DETAIL A-A FOR

(4)-#10 SS 410 SELF DRILLING SCREWS FOR CLIPS UP TO 6"

LONG. UTILIZE (8)-#10 SS 410

SELF DRILLING SCREWS FOR

THRUBOLT ATTACHMENT SUBSTRATE PER ANCHOR TO HOST SCHEDULE (VARIES)

DETAIL

1" TIE-DOWN CLIP ANCHOR DETAIL

SUBSTRATE

UNIT

CLIP IS DESIGNED FOR FULL CONTACT WITH THE BASE OF EACH MECHANICAL UNIT, TYP.

**BOLT PER** ANCHOR SCHEDULE FRANK BENNARDO, PE PE# 0046549 CA# 9885

STEEL OR

**ANCHOR** 

**SCHEDULE** 

ALUMINUM

SUBSTRATE PER

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MIAMI TECH TIE DOWN CLIF FL STATEWIDE APPROVAL FLORIDA BUILDING CODE TECH, . NW, 74TH ST AMI, FL 33147

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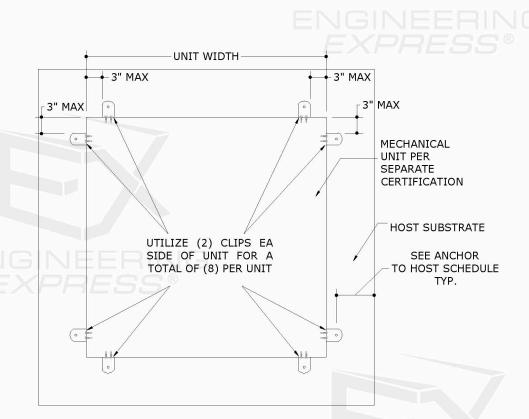
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#### ANCHOR TO HOST SCHEDULE:

SUBSTRATE	DESCRIPTION
CONCRETE: (4" THICK MIN, 3000 PSI MIN.)	(1)-1/4"Ø STAINLESS STEEL 410 DEWALT ULTRACON, 1 <sup>3</sup> / <sub>4</sub> " FULL EMBED TO CONCRETE, 2 <sup>1</sup> / <sub>2</sub> " 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

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BENNAR DE MARIE DE MA

#### TABLE 1 PERMISSIBLE INSTALLATION HEIGHTS: Vult=175 MPH, EXPOSURE C

(FOR USE WITH A RISK CATEGORY II STRUCTURE IN THE HIGH VELOCITY HURRICANE ZONE (HVHZ)\*)
RISK CATEGORY II IS PER ASCE 7-16

II IS PER ASCE 7-16			ALLOWABLE ROOF-TOP HEIGHT (H)					
		BIN (	TIE	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	H ≤ 200 FT	AT GRADE	H ≤ 200 FT		
9 FT²	36" MAX	27" MIN	AT GRADE	H ≤ 200 FT	AT GRADE	H ≤ 200 FT		
4 FT <sup>2</sup>			H ≤ 160 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT		
6 FT <sup>2</sup>			H ≤ 15 FT	H ≤ 200 FT	H ≤ 30 FT	H ≤ 200 FT		
9 FT²	48" MAX	36" MIN	AT GRADE	H ≤ 200 FT	AT GRADE	H ≤ 200 FT		
12 FT <sup>2</sup>			N/A	H ≤ 60 FT	N/A	H ≤ 100 FT		
16 FT <sup>2</sup>			N/A	H ≤ 15 FT	N/A	H ≤ 15 FT		
20 FT <sup>2</sup>			N/A	AT GRADE	N/A	AT GRADE		
25 FT <sup>2</sup>	60" MAX	48" MIN	N/A	AT GRADE	N/A	AT GRADE		
30 FT <sup>2</sup>		40 IVIIIN	N/A	N/A	N/A	N/A		
36 FT <sup>2</sup>			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 D

FRANK BENNARDO, PE PE# 0046549 CA# 9885

(FOR USE WITH A RISK CATEGORY II STRUCTURE IN THE HIGH VELOCITY HURRICANE ZONE (HVHZ)\*)
RISK CATEGORY II IS PER ASCE 7-16

					F-TOP HEIGHT	
MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	C1	C2	СЗ	C4
6 FT <sup>2</sup>	29" MAX	15" MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
9 FT²	36" MAX	27" MIN	N/A	H ≤ 140FT	N/A	H ≤ 200 FT
4 FT <sup>2</sup>			H ≤ 80 FT	H ≤ 200 FT	H ≤ 140FT	H ≤ 200 FT
6 FT <sup>2</sup>		MAX 36" MIN	AT GRADE	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
9 FT²	48" MAX		N/A	H ≤ 160 FT	AT GRADE	H ≤ 200 FT
12 FT <sup>2</sup>			N/A	H ≤ 30 FT	N/A	H ≤ 40 FT
16 FT <sup>2</sup>			N/A	AT GRADE	N/A	AT GRADE
20 FT <sup>2</sup>			N/A	AT GRADE	N/A	AT GRADE
25 FT <sup>2</sup>	60" MAX	" MAX 48" MIN	N/A	N/A	N/A	N/A
30 FT <sup>2</sup>			N/A	N/A	N/A	N/A
36 FT <sup>2</sup>			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 7-16

	ENIC		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	AT GRADE	≤ 200 FT	AT GRADE	≤ 200 FT		
9 ft²	36 in	27 in	AT GRADE	≤ 200 FT	AT GRADE	≤ 200 FT		
4 ft²	48 in	36 in	≤ 200 FT	≤ 200 FT	≤ 200 FT	≤ 200 FT		
6 ft²	48 in	36 in	H ≤ 30 FT	≤ 200 FT	H ≤ 40 FT	≤ 200 FT		
9 ft²	48 in	36 in	AT GRADE	≤ 200 FT	AT GRADE	≤ 200 FT		
12 ft²	48 in	36 in	N/A	≤ 80 FT	N/A	≤ 140 FT		
16 ft²	48 in	36 in	N/A	H ≤ 15 FT	N/A	H ≤ 30 FT		
20 ft²	60 in	48 in	N/A	AT GRADE	N/A	AT GRADE		
25 ft²	60 in	48 in	N/A	AT GRADE	N/A	AT GRADE		
30 ft²	60 in	48 in	N/A	N/A	N/A	AT GRADE		
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 7-16

			ALL	OWABLE INSTALL	ATION ROOF HEIG	iHT			
			TIE-DOWN CONFIGURATION TYPE						
MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT	C1	C2	C3	C4			
6 ft²	29 in	15 in	AT GRADE	≤ 200 FT	AT GRADE	≤ 200 FT			
9 ft²	36 in	27 in	N/A	≤ 200 FT	AT GRADE	≤ 200 FT			
4 ft²	48 in	36 in	≤ 120 FT	≤ 200 FT	≤ 200 FT	≤ 200 FT			
6 ft²	48 in	36 in	AT GRADE	≤ 200 FT	H ≤ 15 FT	≤ 200 FT			
9 ft²	48 in	36 in	N/A	≤ 200 FT	AT GRADE	≤ 200 FT			
12 ft²	48 in	36 in	N/A	H ≤ 40 FT	N/A	H ≤ 60 FT			
16 ft²	48 in	36 in	N/A	AT GRADE	N/A	AT GRADE			
20 ft²	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 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			

<sup>\*\*</sup>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.

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V, 74TH ST , FL 33147 593 - 7054 TIE DOWN CLIP IDE APPROVAL

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LAO	FLB 8/14/17	
CCB	RWN 6/09/20	
TIING	CCH	RWN 11/19/21
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### TABLE 5 PERMISSIBLE INSTALLATION HEIGHTS: Vult=140 MPH, EXPOSURE B

(FOR USE WITH A RISK CATEGORY II STRUCTURE\*\*\*) RISK CATEGORY II IS PER ASCE 7-16

			ESS®		ATION ROOF HEIGH	T
MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	C1	C2	С3	C4
6 ft²	29 in	15 in	≤ 100 FT	≤ 200 FT	≤ 140 FT	≤ 200 FT
9 ft²	36 in	27 in	≤ 80 FT	≤ 200 FT	≤ 100 FT	≤ 200 FT
4 ft <sup>2</sup>	48 in	36 in	≤ 200 FT	≤ 200 FT	≤ 200 FT	≤ 200 FT
6 ft²	48 in	36 in	≤ 200 FT	≤ 200 FT	≤ 200 FT	≤ 200 FT
9 ft²	48 in	36 in	≤ 80 FT	≤ 200 FT	≤ 120 FT	≤ 200 FT
12 ft²	48 in	36 in	H ≤ 30 FT	≤ 200 FT	H ≤ 40 FT	≤ 200 FT
16 ft²	48 in	36 in	AT GRADE	≤ 200 FT	H ≤ 15 FT	≤ 200 FT
20 ft <sup>2</sup>	60 in	48 in	AT GRADE	≤ 160 FT	AT GRADE	≤ 200 FT
25 ft²	60 in	48 in	N/A	H ≤ 60 FT	AT GRADE	≤ 100 FT
30 ft²	60 in	48 in	N/A	H ≤ 30 FT	N/A	H ≤ 40 FT
36 ft²	60 in	48 in	N/A	H < 15 FT	N/A	H < 15 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 7-16

			- B	ALLOWABLE INSTALL	ATION ROOF HEIGH	<u>IT</u>
E/\	1 1 11			TIE-DOWN CONF	IGURATION TYPE	ı
MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	C1	C2	СЗ	C4
6 ft²	29 in	15 in	H ≤ 30 FT	≤ 200 FT	H ≤ 40 FT	≤ 200 FT
9 ft²	36 in	27 in	H ≤ 15 FT	≤ 200 FT	H ≤ 30 FT	≤ 200 FT
4 ft²	48 in	36 in	≤ 200 FT	≤ 200 FT	≤ 200 FT	≤ 200 FT
6 ft²	48 in	36 in	≤ 200 FT	≤ 200 FT	≤ 200 FT	≤ 200 FT
9 ft²	48 in	36 in	H ≤ 15 FT	≤ 200 FT	H ≤ 40 FT	≤ 200 FT
12 ft²	48 in	36 in	AT GRADE	≤ 200 FT	AT GRADE	≤ 200 FT
16 ft²	48 in	36 in	N/A	≤ 140 FT	AT GRADE	≤ 200 FT
20 ft <sup>2</sup>	60 in	48 in	N/A	H ≤ 40 FT	N/A	≤ 80 FT
25 ft <sup>2</sup>	60 in	48 in	N/A	H ≤ 15 FT	N/A	H ≤ 30 FT
30 ft²	60 in	48 in	N/A	AT GRADE	N/A	AT GRADE
36 ft²	60 in	48 in	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 7-16

			ALLOWABLE INSTALLATION ROOF HEIGHT TIE-DOWN CONFIGURATION TYPE					
MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	C1	C2	СЗ	C4 C4		
6 ft²	29 in	15 in	AT GRADE	≤ 200 FT	H ≤ 15 FT	≤ 200 FT		
9 ft²	36 in	27 in	AT GRADE	≤ 200 FT	AT GRADE	≤ 200 FT		
4 ft <sup>2</sup>	48 in	36 in	≤ 200 FT	≤ 200 FT	≤ 200 FT	≤ 200 FT		
6 ft²	48 in	36 in	≤ 100 FT	≤ 200 FT	≤ 180 FT	≤ 200 FT		
9 ft²	48 in	36 in	AT GRADE	≤ 200 FT	H ≤ 15 FT	≤ 200 FT		
12 ft²	48 in	36 in	AT GRADE	≤ 200 FT	AT GRADE	≤ 200 FT		
16 ft²	48 in	36 in	N/A	≤ 80 FT	N/A	≤ 120 FT		
20 ft <sup>2</sup>	60 in	48 in	N/A	H ≤ 15 FT	N/A	H ≤ 40 FT		
25 ft²	60 in	48 in	N/A	AT GRADE	N/A	AT GRADE		
30 ft <sup>2</sup>	60 in	48 in	N/A	AT GRADE	N/A	AT GRADE		
36 ft²	60 in	48 in	N/A	N/A	N/A	AT GRADE		

\*\*\*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