



MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
 11805 SW 26 Street, Room 208
 Miami, FL 33175
 T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
 BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

Miro Industries, Inc.
844 South 430 West
Heber City, UT 84032

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Mechanical Equipment Steel Stand

APPROVAL DOCUMENT: Drawing No. **23-70713**, titled "Mechanical Equipment Stand", sheets 1 and 2 of 2, dated 05/08/2024, prepared by Engineering Express, signed and sealed by Richard Neet, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number & approval date by Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # **21-0830.02** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



05/20/24

NOA No. 24-0208.03
 Expiration Date: December 2, 2026
 Approval Date: May 30, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under NOA # 21-0830.02 and new

A. DRAWINGS

1. Drawing No. **23-70713**, titled “Mechanical Equipment Stand”, sheets 1 and 2 of 2, dated 05/08/2024, prepared by Engineering Express, signed and sealed by Richard Neet, P.E.

B. TESTS

1. None.

C. CALCULATIONS “Submitted under NOA # 21-0830.02”

1. Engineering design calculations, prepared by Engineering Express, date 10/29/2021, signed and sealed by Richard Neet, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 8th edition (2023) of the FBC, issued by Engineering Express, dated 02/02/2024, signed & sealed by Richard Neet, P.E.
2. Statement letter of no financial interest, issued by Engineering Express, dated 02/02/2024, signed & sealed by Richard Neet, P.E.

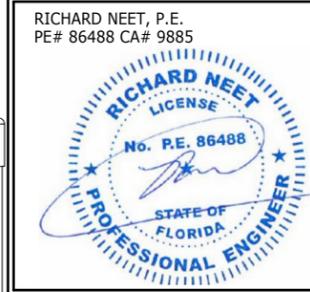
“Submitted under NOA # 21-0830.02”

3. Statement letter of code conformance to the 7th edition (2020) of the FBC, issued by Engineering Express, dated 08/14/2021, signed & sealed by Richard Neet, P.E.
4. Statement letter of no financial interest, issued by Engineering Express, dated 08/14/2021, signed & sealed by Richard Neet, P.E.

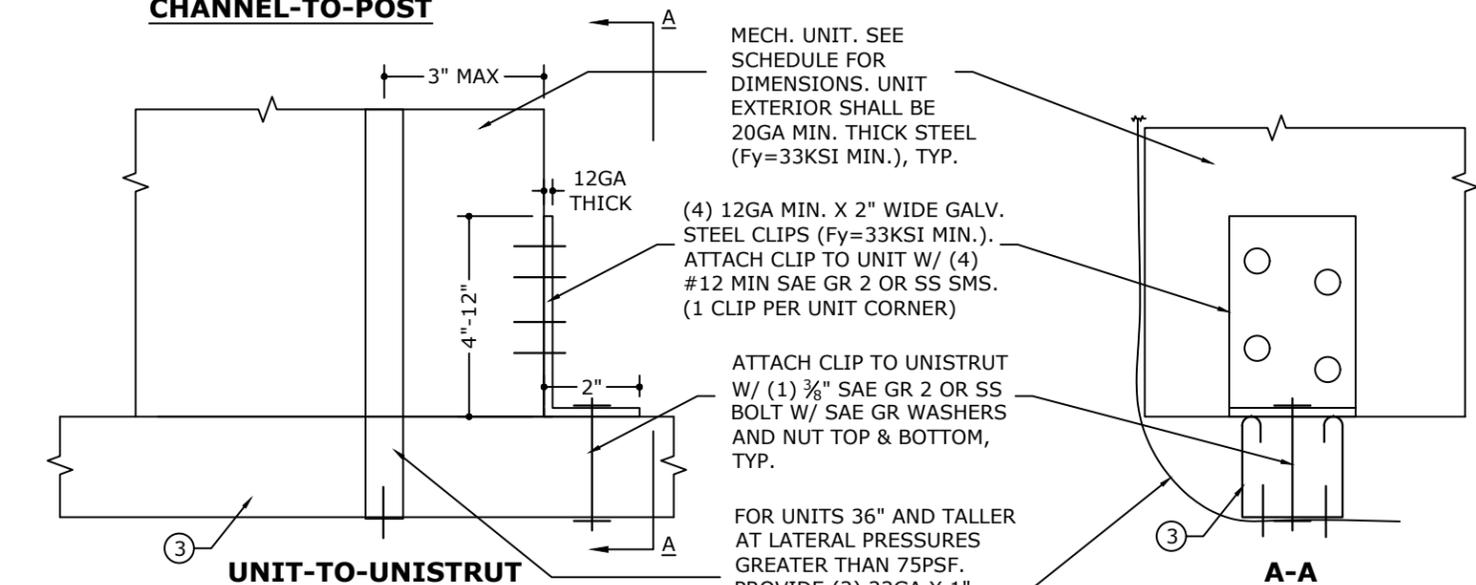
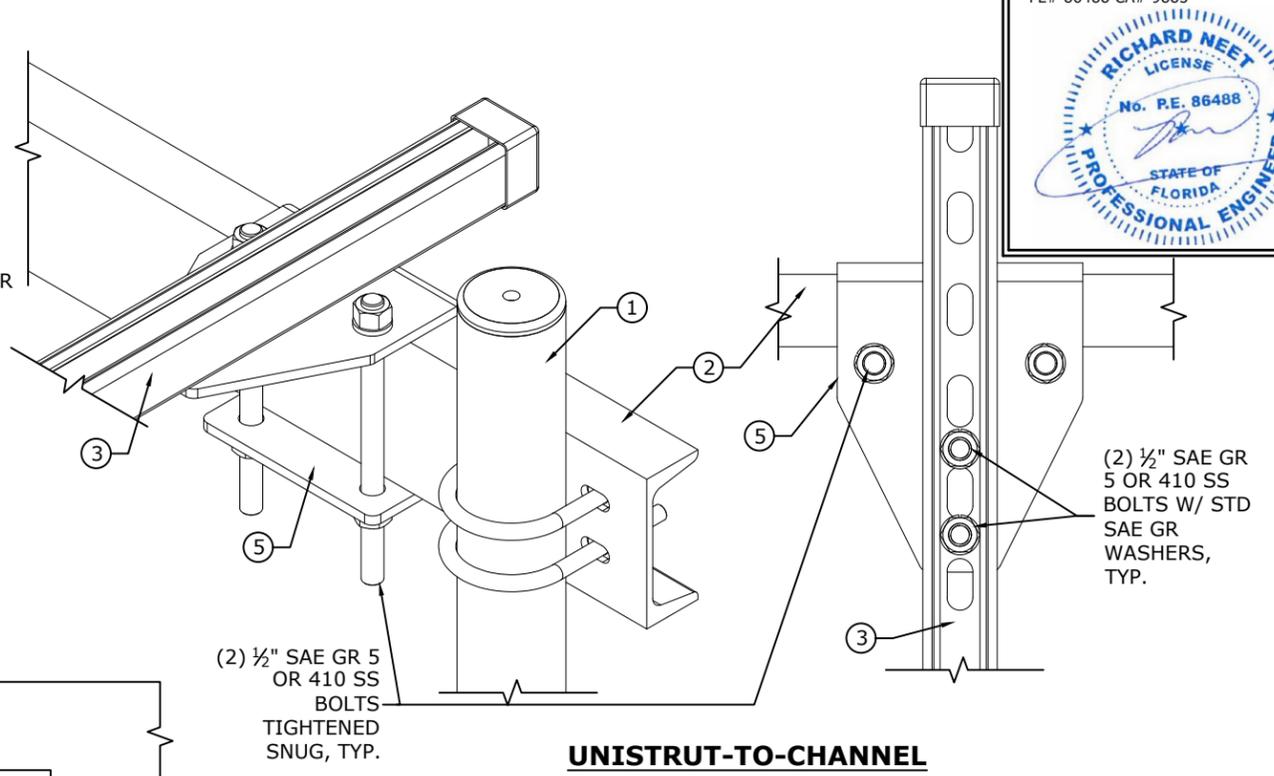
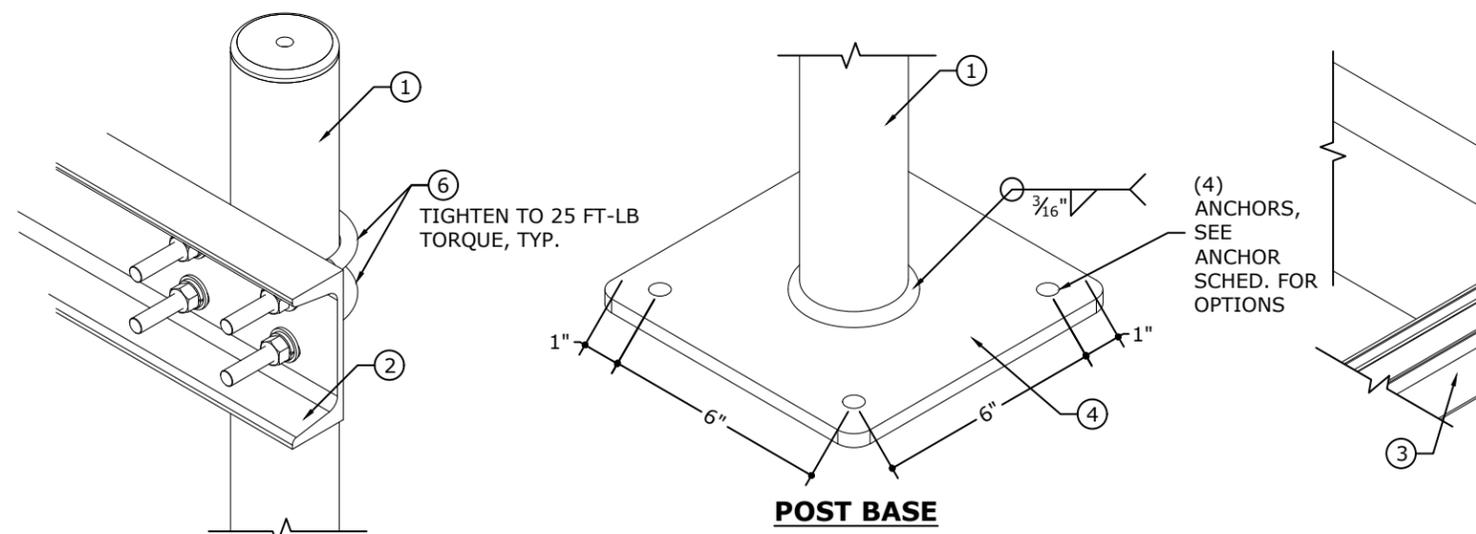


Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 24-0208.03
Expiration Date: December 2, 2026
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 5/8/2024 10:26 AM RICKN



MAY 8, 2024



UNIT TO STAND ATTACHMENT NOTE: IF SEPARATE TIEDOWN ENGINEERING EXISTS FOR THE SPECIFIC UNIT MODEL BEING INSTALLED, IT MAY BE USED IN LIEU OF THIS DIRECTIVE. IF THIS TIEDOWN DIRECTIVE CANNOT BE ACHIEVED, SITE SPECIFIC TIEDOWN ENGINEERING IS REQUIRED

MECH. UNIT. SEE SCHEDULE FOR DIMENSIONS. UNIT EXTERIOR SHALL BE 20GA MIN. THICK STEEL (Fy=33KSI MIN.), TYP.

(4) 12GA MIN. X 2" WIDE GALV. STEEL CLIPS (Fy=33KSI MIN.). ATTACH CLIP TO UNIT W/ (4) #12 MIN SAE GR 2 OR SS SMS. (1 CLIP PER UNIT CORNER)

ATTACH CLIP TO UNISTRUT W/ (1) 3/8" SAE GR 2 OR SS BOLT W/ SAE GR WASHERS AND NUT TOP & BOTTOM, TYP.

FOR UNITS 36" AND TALLER AT LATERAL PRESSURES GREATER THAN 75PSF. PROVIDE (2) 22GA X 1" WIDE GALV STEEL STRAPS ALL AROUND THE UNIT(1 PER END) TIGHTEND SNUG. ATTACH TO UNISTRUT AT EACH END W/ (2) #12 SAE GR 5 OR SS SMS, TYP.

(2) 1/2" SAE GR 5 OR 410 SS BOLTS TIGHTENED SNUG, TYP.

(2) 1/2" SAE GR 5 OR 410 SS BOLTS W/ STD SAE GR WASHERS, TYP.

ANCHOR SCHEDULE

ANCHOR TYPE	SUBSTRATE	DESCRIPTION
A	3.0 KSI CONCRETE	3/8" DEWALT SCREW BOLT W/ 2.5" EMBEDMENT, 4" MIN. EDGE DIST.
B	3.0 KSI CONCRETE	3/8" HILTI KWIK BOLT 3 W/ 2.5" EMBEDMENT, 4" MIN. EDGE DIST.
C	MIN. 3/16" THICK STEEL (A36 MIN.)	1/2" SAE GR 5 OR 410 SS UNC SCREW, 1.25" MIN. EDGE DIST.
D	MIN. 3/16" THICK STEEL (A36 MIN.)	1/2" SAE GR 5 OR 410 SS BOLT W/ STD SAE WASHERS, 1.25" MIN. EDGE DIST.

- ANCHOR SCHEDULE NOTES:**
1. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
 2. ENSURE MINIMUM EDGE DISTANCE AS NOTED IN ANCHOR SCHEDULE FOR EACH ANCHOR.
 3. ATTACHMENT TO WOOD HOST ROOF MEMBERS SHALL BE CERTIFIED ON A SITE SPECIFIC BASIS.
 4. MINIMUM EMBEDMENT SHALL BE AS NOTED IN ANCHOR SCHEDULE. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES ROOFING FINISHES.

DESIGN SCHEDULE (ALLOWABLE PRESSURES)

MAX UNIT HEIGHT (in)	UNIT WIDTH (In)	UNIT DEPTH (In)	MAX LATERAL PRESSURE (psf)	MAX UPLIFT PRESSURE (psf)	BASE MOMENT (PER POST) (lb-in)	BASE SHEAR (PER POST) (lb)	BASE GRAVITY (PER POST) (lb)	ALLOWABLE UNIT WEIGHT RANGE (lb)
24	24	24	150	118	5400	150	693	75 - 150
	30	30	150	118	6750	188	760	100 - 175
	36	36	150	118	8100	225	841	150 - 250
30	24	24	150	118	6750	188	890	100 - 200
	30	30	150	118	8437.5	234	957	125 - 225
	36	36	150	118	10125	281	1038	150 - 250
36	24	24	150	118	8100	225	1106	125 - 225
	30	30	140	111	9450	263	1093	150 - 250
	36	36	130	103	10530	293	1083	200 - 300
	48	48	100	79	10800	300	966	200 - 350
48	24	24	150	118	10800	300	1593	150 - 250
	30	30	110	87	9900	275	1211	175 - 275
	36	36	100	79	10800	300	1153	175 - 300
	48	48	75	59	10800	300	962	200 - 400

DESIGN SCHEDULE NOTES:

1. CHOOSE UNIT SIZE TIER BASED ON ACTUAL UNIT SIZE. IF UNIT WIDTH, DEPTH OR HEIGHT IS IN BETWEEN SIZE TIERS, USE HIGHER TIER. INTERPOLATION NOT PERMITTED. IF ANY UNIT DIMENSION IS BEYOND LISTED VALUE(S), SITE SPECIFIC CERTIFICATION IS REQUIRED.
2. ENGINEER OF RECORD OF HOST STRUCTURE SHALL UTILIZE THE SERVICE LOADS LISTED ABOVE (IF REQUIRED). "GRAVITY" LOAD SHALL BE CONSIDERED IN BOTH POSITIVE (+) AND NEGATIVE (-) DIRECTION (WHICHEVER PRODUCES WORST CASE HOST REACTION).

EX ENGINEERING EXPRESS
 POSTAL ADDRESS:
 2234 NORTH FEDERAL HWY #7664
 BOCA RATON, FL 33431
 ENGINEERINGEXPRESS.COM

MIRO Industries, Inc.
 844 S 430 W
 Heber City, UT 84032
 801-975-9993
 MECHANICAL EQUIPMENT STAND
 MIAMI DADE NOTICE OF ACCEPTANCE
 FLORIDA BUILDING CODE

REMARKS	DRWN	CHKD	DATE
INIT ISSUE (21-42169)	RWN	RWN	7-10-2022
2023 FBC UPDATE	RWN	RWN	7-21-2024

PRODUCT REVISED
 as complying with the Florida Building Code
NOA-No. 24-0208.03
Expiration Date 12/02/2026
 By *[Signature]*
Miami-Dade Product Control

23-70713
 SCALE: NTS UNLESS NOTED
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