MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908
www.miamidade.gov

NOTICE OF ACCEPTANCE (NOA)

F & L Aluminum Parts, Inc.
1720 N.W. 22nd Court, Unit #3
Pompano Beach, Florida 33069

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 PERA-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. PERA 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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Aluminum Roof Mounted Stand Frame Support for Air Conditioning Units

APPROVAL DOCUMENT: Drawing No. FNL.11003, titled " Aluminum Stands for Rooftop Equipment, Square Posts ", sheets 1 through 3 of 3, prepared by Nu-Wind Engineering, dated July 15, 2011, signed and sealed by Christian Langley, P.E., on March 07, 2012, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Each stand frame shall bear a permanent label with the manufacturer's name or logo, city, state and the 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 & renews NOA # 09-0709.04** and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**

MIAMI-DADE COUNTY APPROVED

Helmy A. Makar
04/12/2012

NOA No. 11-0824.01
Expiration Date: 12/28/2016
Approval Date: 04/12/2012

F & L Aluminum Parts, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #06-0922.03

A. DRAWINGS

1. Drawing No. 06-501, titled " Air Conditioning Stands ", sheets 1 through 3 of 3, prepared by Thornton Tomasetti, dated September 13, 2006, signed and sealed by John W. Knezevich, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. Calculation titled " Air Conditioning Stands Calculations ", dated September 15, 2006, sheets 1 through 160 of 160, signed and sealed by J. W. Knezevich, P.E.

D. QUALITY ASSURANCE

1. By Miami-Dade County Building Code Compliance Office.

E. MATERIAL CERTIFICATIONS

1. None.

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 09-0709.04

A. DRAWINGS

1. Drawing No. S-1, titled " Air Conditioning Stands Florida ", sheets 1 through 3 of 3, prepared by Milton Cubas, P.E., Inc., dated May 12, 2009, signed and sealed by Milton Cubas, P.E., on December 02, 2009.

B. TESTS

1. None.

C. CALCULATIONS

1. Calculation titled " Air Conditioning Stands ", dated May 13, 2009, sheets 1 through 206 of 206, signed and sealed by Milton Cubas, P.E.

D. QUALITY ASSURANCE

1. By Miami-Dade County Building Code Compliance Office.

E. MATERIAL CERTIFICATIONS

1. None.

Helmy A. Makar, P. E., M.S.
PERA, Product Control Unit Supervisor
NOA No. 11-0824.01
Expiration Date: 12/28/2016
Approval Date: 04/12/2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. FNL.11003, titled " Aluminum Stands for Rooftop Equipment, Square Posts ", sheets 1 through 3 of 3, prepared by Nu-Wind Engineering, dated July 15, 2011, signed and sealed by Christian Langley, P.E., on March 07, 2012.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *Calculation titled "Air Conditioning Stands Calculations", dated August 10, 2011, sheets 1 through 50 of 50, prepared by Nu-Wind Engineering, signed and sealed by Christian Langley, P.E.*
2. *Calculation titled " Air Conditioning Stands Calculations ", dated March 07, 2012, sheets 1 through 30 of 30, prepared by Nu-Wind Engineering, signed and sealed by Christian Langley, P.E.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Permitting, Environment, and regulatory Affairs (PERA).*

E. MATERIAL CERTIFICATIONS

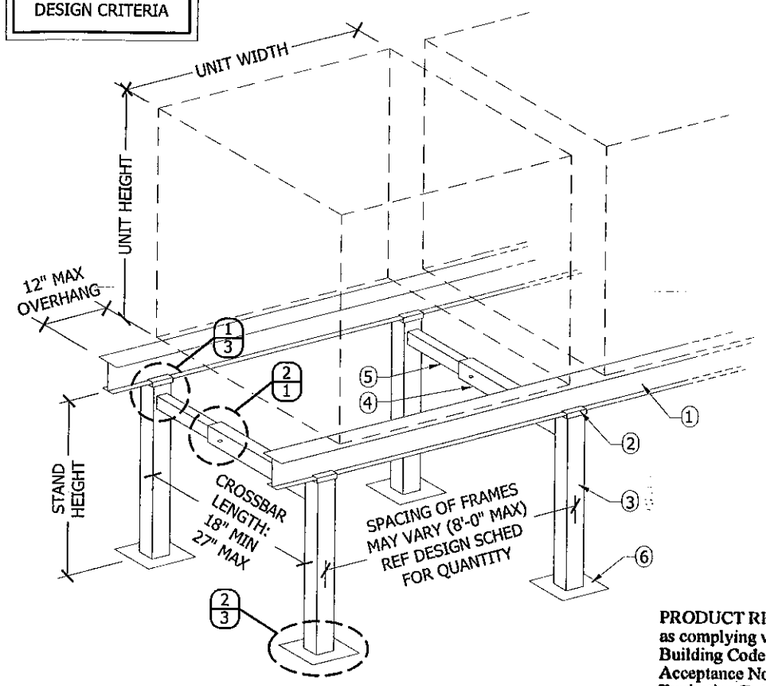
1. *None.*

Helmy A. Makar, P. E., M.S.
PERA, Product Control Unit Supervisor
NOA No. 11-0824.01
Expiration Date: 12/28/2016
Approval Date: 04/12/2012

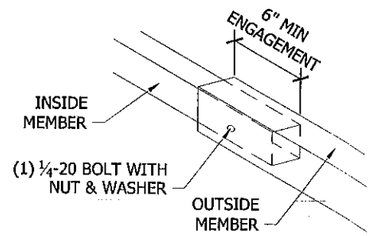
ALUMINUM ROOFTOP EQUIPMENT STAND

WITH SQUARE POSTS & TELESCOPIC CROSSBAR

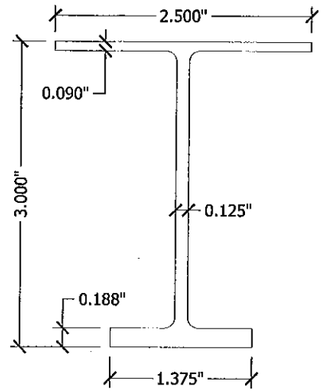
REFER TO DESIGN SCHEDULE FOR ALLOWABLE WIND LOADS AND OTHER DESIGN CRITERIA



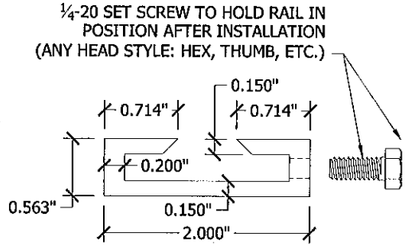
1/1 STAND ASSEMBLY
SCALE: N.T.S. ISOMETRIC VIEW



2/1 TELESCOPIC CROSSBAR COUPLING ATTACHMENT
SCALE: N.T.S. ISOMETRIC VIEW



1 **I-BEAM RAIL**
SCALE: 8" - 1'-0"



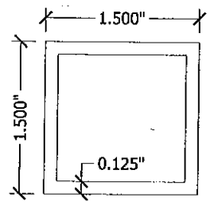
2 **RAIL CONNECTOR**
SCALE: 8" - 1'-0"

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 11-0824.01
Expiration Date 12/28/2016
By Helcy A. Molina
Miami Dade Product Control

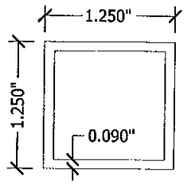
GENERAL NOTES

1. THIS SYSTEM HAS BEEN EVALUATED IN ACCORDANCE WITH THE 2007 FLORIDA BUILDING CODE WITH 2009 SUPPLEMENTS, FOR USE WITHIN & OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
2. THIS SYSTEM HAS BEEN EVALUATED IN ACCORDANCE WITH THE 2010 FLORIDA BUILDING CODE, FOR USE WITHIN & OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
3. THE SYSTEM DEPICTED HEREIN HAS BEEN EVALUATED IN ACCORDANCE WITH THE 2010 FLORIDA BUILDING CODE, FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
4. THIS SYSTEM HAS BEEN EVALUATED WITHOUT A ONE-THIRD INCREASE IN ALLOWABLE STRESS. WIND LOAD DURATION FACTOR Cd=1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.
5. SITE WIND PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED BY OTHERS ON A SITE-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE.
6. 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 PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE-SPECIFIC DOCUMENTS AND APPLY FOR ONE-TIME MIAMI-DADE NOA FOR USE IN CONJUNCTION WITH THIS APPROVAL.
7. PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS.
8. ALL ALUMINUM EXTRUSIONS SHALL BE 6061-T6 ALLOY & TEMPER, UNLESS NOTED OTHERWISE. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AWS REQUIREMENTS, USING FILLER ALLOYS 4043, 4047, 5183, 5356, OR 5556.
9. STANDS SHALL BE INSTALLED WITH MINIMUM CLEAR HEIGHT AS SPECIFIED IN THE ABOVE-NOTED BUILDING CODE. "*STAND HEIGHT*" AS USED HEREIN IS NOT NECESSARILY EQUIVALENT TO "*STAND CLEAR HEIGHT*" AS SPECIFIED IN THE BLDG CODE.
10. VIBRATION ISOLATOR PADS SHALL BE PROVIDED BY CONTRACTOR BETWEEN UNITS & STAND.
11. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT FASTENING AS SHOWN HEREIN WILL NOT VOID THE EQUIPMENT MANUFACTURER'S WARRANTY, ESPECIALLY WHERE UNITS ARE INSTALLED WITH OVERHANG PAST RAIL (SEE TIE-DOWN DETAILS).
12. ALL BOLTS & WASHERS SHALL BE ZINC COATED STEEL, GALVANIZED STEEL, OR STAINLESS STEEL WITH A MINIMUM TENSILE YIELD STRENGTH OF 60 KSI.
13. PLASTIC COMPONENTS USED WITHIN THE HVHZ MUST MEET ALL APPLICABLE FIRE/SMOKE/UV PERFORMANCE REQUIREMENTS AS SET FORTH IN THE ABOVE-NOTED BUILDING CODE.
14. ANY STEEL IN CONTACT WITH ALUMINUM SHALL BE PAINTED OR PLATED AS PRESCRIBED IN THE ABOVE-NOTED BUILDING CODE.

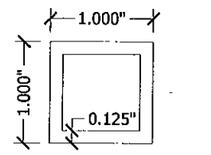
"SYSTEM 1" COMPONENTS



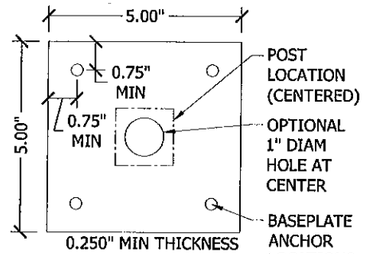
3a **"SYSTEM 1" POST**
SCALE: 8" - 1'-0"



4a **"SYSTEM 1" CROSSBAR** (OUTSIDE MEMBER)
SCALE: 8" - 1'-0"

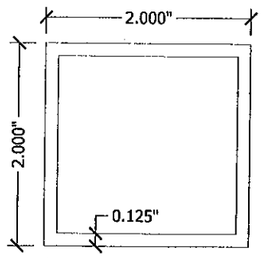


5a **"SYSTEM 1" CROSSBAR** (INSIDE MEMBER)
SCALE: 8" - 1'-0"

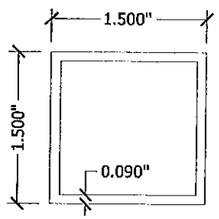


6a **"SYSTEM 1" BASEPLATE**
SCALE: 3" - 1'-0"

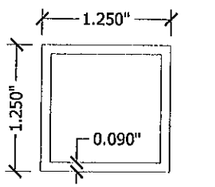
"SYSTEM 2" COMPONENTS



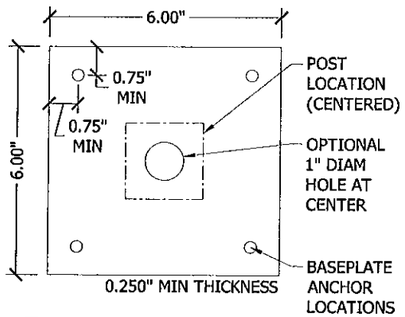
3b **"SYSTEM 2" POST**
SCALE: 8" - 1'-0"



4b **"SYSTEM 2" CROSSBAR** (OUTSIDE MEMBER)
SCALE: 8" - 1'-0"



5b **"SYSTEM 2" CROSSBAR** (INSIDE MEMBER)
SCALE: 8" - 1'-0"



6b **"SYSTEM 2" BASEPLATE**
SCALE: 3" - 1'-0"

C.A. #28511
NU-WIND ENGINEERING
PRODUCT APPROVALS DONE RIGHT.
www.nu-wind.com
1200 N FEDERAL HWY, #200 BOCA RATON, FL 33432
Ofc: (954) 333-8965
Fax: (954) 719-3707
CHRISTIAN LANGLEY, PE FL PE #67382 CA #28511

REVISIONS	DATE	DESCRIPTION	BY
1	7/15/11	INITIAL SUBMITTAL	CL

PROJECT: ALUMINUM STANDS FOR ROOFTOP EQUIPMENT (SQUARE POSTS) MIAMI-DADE NOA

CONTRACTOR: F & L ALUMINUM PARTS, Inc. 1710 NW 22nd CT, UNIT 3 POMPANO BEACH, FL 33064

DRAWING NUMBER: FNL.11003

SHEET 1 OF 3

DESIGN SCHEDULE

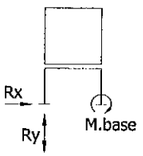
UNIT SIZE (FRONTAL AREA)	STAND HEIGHT	"SYSTEM 1" 1 UNIT 2 FRAMES	2 UNITS 3 FRAMES	UNLIMITED UNITS PER STAND "N" UNITS "N" FRAMES	3 UNITS 2 FRAMES	4 UNITS 3 FRAMES	5 OR MORE UNITS PER STAND "N" UNITS "N-1" FRAMES	"SYSTEM 2" 1 UNIT 2 FRAMES	2 UNITS 3 FRAMES	UNLIMITED UNITS PER STAND "N" UNITS "N" FRAMES	3 UNITS 2 FRAMES	4 UNITS 3 FRAMES	5 OR MORE UNITS PER STAND "N" UNITS "N-1" FRAMES
4.0 sqft	18"	170.1 PSF	127.6 PSF	85.0 PSF	56.7 PSF	63.8 PSF	68.0 PSF	200.0 PSF	200.0 PSF	148.2 PSF	98.8 PSF	111.2 PSF	118.6 PSF
	21"	137.7 PSF	103.3 PSF	68.8 PSF	45.9 PSF	51.6 PSF	55.1 PSF	200.0 PSF	177.1 PSF	118.1 PSF	78.7 PSF	88.6 PSF	94.5 PSF
	24"	115.1 PSF	86.3 PSF	57.6 PSF	38.4 PSF	43.2 PSF	46.1 PSF	194.9 PSF	146.2 PSF	97.4 PSF	65.0 PSF	73.1 PSF	78.0 PSF
6.25 sqft	18"	108.9 PSF	81.6 PSF	54.4 PSF	36.3 PSF	40.8 PSF	43.5 PSF	169.7 PSF	142.3 PSF	94.9 PSF	63.2 PSF	71.1 PSF	75.9 PSF
	21"	88.1 PSF	66.1 PSF	44.1 PSF	29.4 PSF	33.0 PSF	35.2 PSF	151.2 PSF	113.4 PSF	75.6 PSF	50.4 PSF	56.7 PSF	60.5 PSF
	24"	73.7 PSF	55.3 PSF	36.8 PSF	24.6 PSF	27.6 PSF	29.5 PSF	124.7 PSF	93.5 PSF	62.4 PSF	41.6 PSF	46.8 PSF	49.9 PSF
7.5 sqft	18"	90.7 PSF	68.0 PSF	45.4 PSF	30.2 PSF	34.0 PSF	36.3 PSF	117.9 PSF	117.9 PSF	79.1 PSF	52.7 PSF	59.3 PSF	63.2 PSF
	21"	73.4 PSF	55.1 PSF	36.7 PSF	24.5 PSF	27.5 PSF	29.4 PSF	117.9 PSF	94.5 PSF	63.0 PSF	42.0 PSF	47.2 PSF	50.4 PSF
	24"	61.4 PSF	46.1 PSF	30.7 PSF	20.5 PSF	23.0 PSF	24.6 PSF	103.9 PSF	78.0 PSF	52.0 PSF	34.6 PSF	39.0 PSF	41.6 PSF
9.0 sqft	18"	75.6 PSF	56.7 PSF	37.8 PSF	25.2 PSF	28.3 PSF	30.2 PSF	98.2 PSF	98.2 PSF	65.9 PSF	43.9 PSF	49.4 PSF	52.7 PSF
	21"	61.2 PSF	45.9 PSF	30.6 PSF	20.4 PSF	22.9 PSF	24.5 PSF	98.2 PSF	78.7 PSF	52.5 PSF	35.0 PSF	39.4 PSF	42.0 PSF
	24"	51.2 PSF	38.4 PSF	25.6 PSF	17.1 PSF	19.2 PSF	20.5 PSF	86.6 PSF	65.0 PSF	43.3 PSF	28.9 PSF	32.5 PSF	34.6 PSF
12.25 sqft	18"	55.5 PSF	41.7 PSF	27.8 PSF	18.5 PSF	20.8 PSF	22.2 PSF	61.9 PSF	61.9 PSF	48.4 PSF	32.3 PSF	36.3 PSF	38.7 PSF
	21"	45.0 PSF	33.7 PSF	22.5 PSF	15.0 PSF	16.9 PSF	18.0 PSF	61.9 PSF	57.8 PSF	38.6 PSF	25.7 PSF	28.9 PSF	30.8 PSF
	24"	37.6 PSF	28.2 PSF	18.8 PSF	12.5 PSF	14.1 PSF	15.0 PSF	61.9 PSF	47.7 PSF	31.8 PSF	21.2 PSF	23.9 PSF	25.5 PSF
16.0 sqft	18"	41.4 PSF	31.9 PSF	21.3 PSF	14.2 PSF	15.9 PSF	17.0 PSF	41.4 PSF	41.4 PSF	37.1 PSF	24.7 PSF	27.8 PSF	29.6 PSF
	21"	34.4 PSF	25.8 PSF	17.2 PSF	11.5 PSF	12.9 PSF	13.8 PSF	41.4 PSF	41.4 PSF	29.5 PSF	19.7 PSF	22.1 PSF	23.6 PSF
	24"	28.8 PSF	21.6 PSF	14.4 PSF	9.6 PSF	10.8 PSF	11.5 PSF	41.4 PSF	36.5 PSF	24.4 PSF	16.2 PSF	18.3 PSF	19.5 PSF

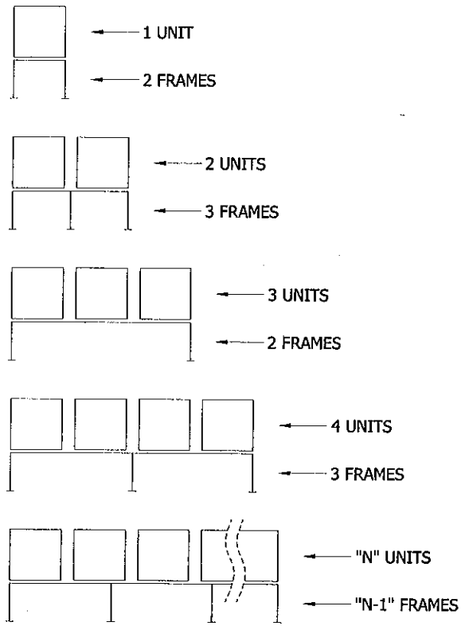
DESIGN SCHEDULE NOTES

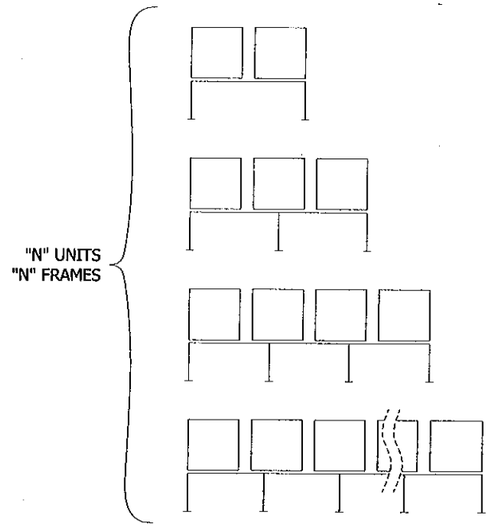
1. DESIGN SCHEDULE GIVES MAXIMUM ALLOWABLE WIND LOAD FOR EACH COMBINATION OF UNIT SIZE, STAND HEIGHT, AND UNIT/POST CONFIGURATION.
2. **"UNIT SIZE** (FRONTAL AREA)" IS AREA OF UNIT FACE PARALLEL TO I-BEAM RAIL (= UNIT HEIGHT x UNIT WIDTH), AS DEPICTED HEREIN. UNIT HEIGHT SHALL NOT EXCEED UNIT WIDTH.
3. FOR STANDS WITH VARYING UNIT SIZES, ENTER DESIGN SCHEDULE USING MAXIMUM SIZE OF ALL UNITS TO BE INSTALLED ON EACH STAND.
4. "**STAND HEIGHT**" IS AS DEPICTED HEREIN.
5. "**UNIT & POST CONFIGURATIONS**" INDICATE NUMBER OF UNITS & NUMBER OF FRAMES PER STAND, AS DEPICTED IN DIAGRAMS. "FRAME" HERE DENOTES ASSEMBLAGE OF 2 POSTS WITH A CROSSBAR.
6. ***"N" UNITS*** & ***"N" FRAMES*** INDICATES ANY NUMBER OF UNITS WITH AN EQUAL NUMBER OF FRAMES PER STAND. ***"N" UNITS*** & ***"N-1" FRAMES*** INDICATES ANY NUMBER OF UNITS WITH A NUMBER OF FRAMES PER STAND EQUAL TO THE NUMBER OF UNITS MINUS ONE.
7. EACH UNIT SHALL HAVE A MAXIMUM WEIGHT OF 300 LBS.
8. MULTIPLE UNITS MAY BE GROUPED TOGETHER FOR CONSIDERATION AS A SINGLE UNIT (OR VICE VERSA) IN THE DESIGN SCHEDULE.
   a. WHERE MULTIPLE UNITS ARE GROUPED TOGETHER FOR CONSIDERATION IN DESIGN SCHEDULE AS A SINGLE UNIT, THE "UNIT SIZE (FRONTAL AREA)" SHALL BE THE TOTAL OF THE GROUPED UNIT SIZES. ACTUAL UNIT WEIGHT SHALL NOT EXCEED THE MAXIMUM PER-UNIT WEIGHT NOTED ABOVE.
   b. WHERE A SINGLE UNIT IS SPLIT UP FOR CONSIDERATION IN DESIGN SCHEDULE AS MULTIPLE UNITS, THE "UNIT SIZE (FRONTAL AREA)" SHALL BE THE ACTUAL UNIT SIZE DIVIDED BY THE NUMBER OF UNITS CONSIDERED. ACTUAL UNIT WEIGHT SHALL NOT EXCEED THE MAXIMUM PER-UNIT WEIGHT NOTED ABOVE MULTIPLIED BY THE NUMBER OF UNITS CONSIDERED IN DESIGN SCHEDULE.
9. SPACING BETWEEN UNITS MAY VARY (UNLIMITED).
10. REFERENCE ANCHOR SCHEDULE FOR ALLOWABLE ANCHORS AND INSTALLATION CRITERIA.

REACTION SCHEDULE

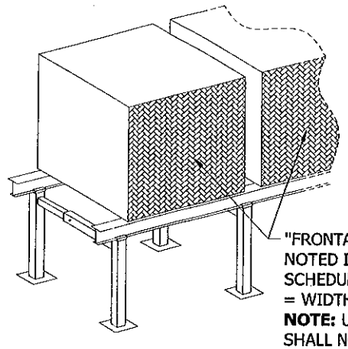
STAND HEIGHT	"SYSTEM 1" REACTION AT BASE Rx	REACTION AT BASE Ry	REACTION AT BASE M.base	"SYSTEM 2" REACTION AT BASE Rx	REACTION AT BASE Ry	REACTION AT BASE M.base
18"	170 LB	104 LB	2.1 K-IN	296 LB	150 LB	4.0 K-IN
21"	138 LB	104 LB	2.0 K-IN	236 LB	150 LB	3.6 K-IN
24"	115 LB	104 LB	1.8 K-IN	195 LB	150 LB	3.3 K-IN





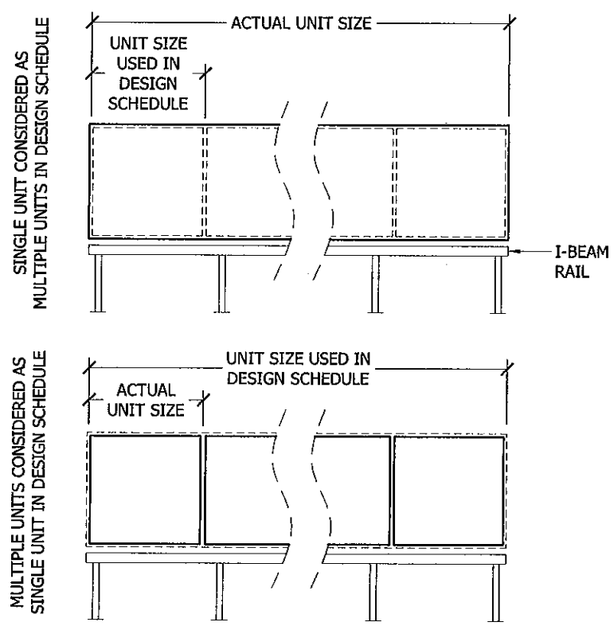


1/2 UNIT & POST CONFIGURATIONS
SCALE: N.T.S. DIAGRAMS



2/2 UNIT SIZE (FRONTAL AREA)
SCALE: N.T.S. ISOMETRIC

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 11-0824.01
Expiration Date 12/08/2016
By
Miami Dade Product Control



3/2 GROUPING/SPLITTING OF UNITS FOR USE IN DESIGN SCHEDULE
SCALE: N.T.S. FRONT ELEVATION

CA. #28511
NU-WIND ENGINEERING
PRODUCT APPROVALS DONE RIGHT.
www.nu-wind.com
1200 N FEDERAL HWY. #200 BOCA RATON, FL 33432
Ofc: (954) 338-8965
Fax: (954) 719-3707
3/7/2012
CHRISTIAN LANGLEY, PE FL.PE #57382 CA #28511

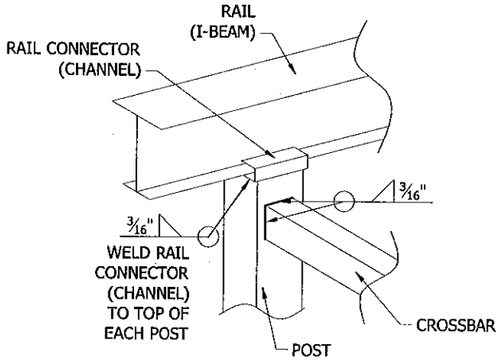
REVISIONS	DATE	DESCRIPTION	BY
1	7/15/11	INITIAL SUBMITTAL	CL
2	-	-	-
3	-	-	-
4	-	-	-
5	-	-	-

PROJECT: ALUMINUM STANDS FOR ROOFTOP EQUIPMENT (SQUARE POSTS) MIAMI-DADE NOA

CONTRACTOR: F & L ALUMINUM PARTS, Inc. 1710 NW 22nd CT, UNIT 3 POMPANO BEACH, FL 33064

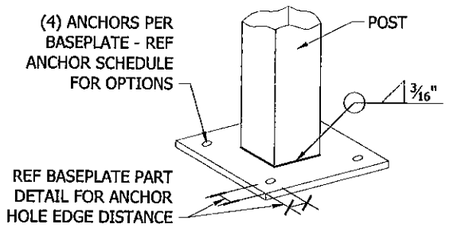
DRAWING NUMBER: FNL.11003

SHEET 2 OF 3



1/3 STAND ASSEMBLY: POST, CROSSBAR, & RAIL CONN

SCALE: N.T.S. ISOMETRIC



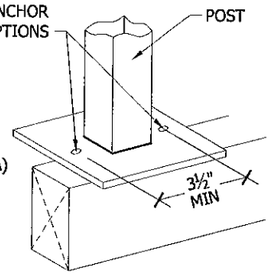
2/3 STAND ASSEMBLY: POST & BASEPLATE

SCALE: N.T.S. ISOMETRIC

ALTERNATE: (2) ANCHORS PER BASEPLATE FOR INSTALLATION TO WOOD RAFTERS - REF ANCHOR SCHED FOR OPTIONS

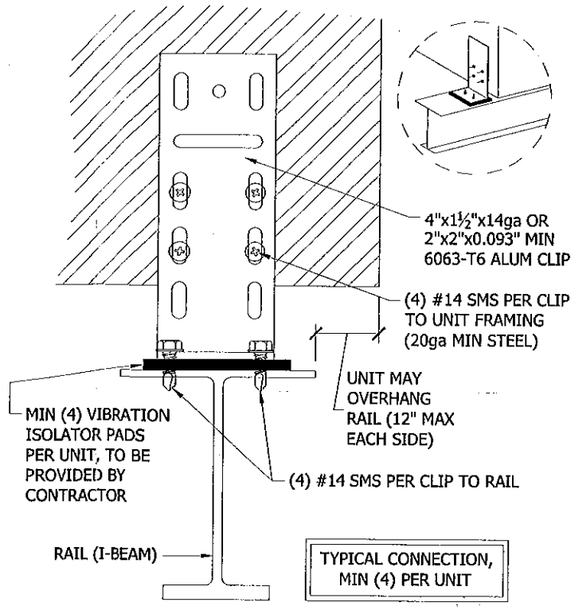
ALT BASEPLATE ANCHORAGE SHALL BE LIMITED TO THE FOLLOWING:

- (2) UNITS MAX
- (3) FRAMES MIN
- 6.25 SQ FT MAX UNIT SIZE (FRONTAL AREA)
- 24" MAX STAND HT
- MAX ALLOWABLE DESIGN PRESSURES:
  - **"SYSTEM 1": 55.3 PSF**
  - **"SYSTEM 2": 71.4 PSF**



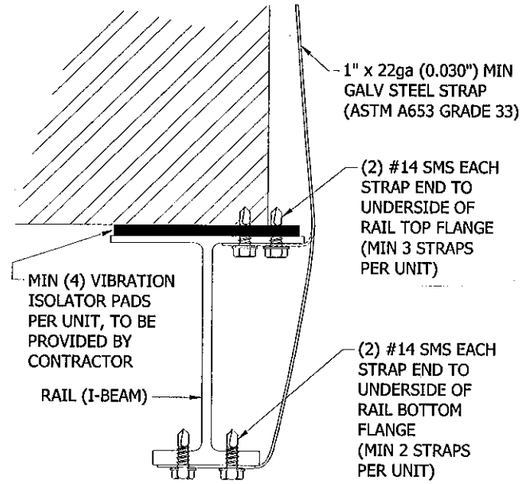
3/3 ALTERNATE BASEPLATE ANCHORAGE

SCALE: N.T.S. ISOMETRIC



4/3 CLIPPED UNIT CONNECTION

SCALE: 1:2 VERT SECTION



5/3 STRAPPED UNIT CONNECTION

SCALE: 1:2 VERT SECTION

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 11-0824.01
Expiration Date 12/28/2016
By
Miami Dade Product Control

ANCHOR SCHEDULE:

TO CONCRETE (MIN 2,000 PSI)

A. ⅜" POWERS *WEDGE BOLT*
   3" MIN EMBED
   4½" MIN EDGE DISTANCE
B. ⅜" HILTI *KWIK BOLT III*
   3½" MIN EMBED
   5" MIN EDGE DISTANCE

TO WOOD HOST STRUCTURE

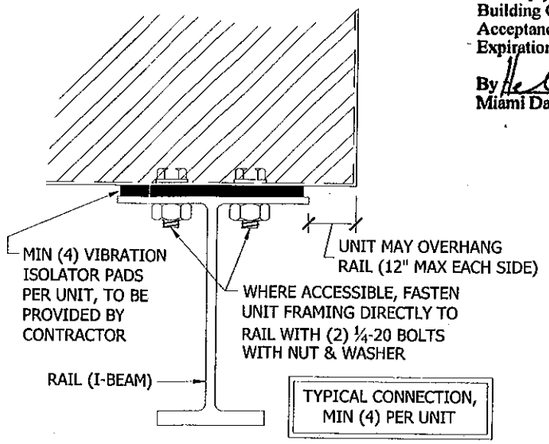
C. ⅜" LAG SCREW
   3½" MIN THREAD PENETRATION

TO STEEL (MIN 3/16" THICK)

D. ¼" TEKS SCREWS OR ¼-20 SELF-THREADING METAL SCREWS (SAE GRADE 5)

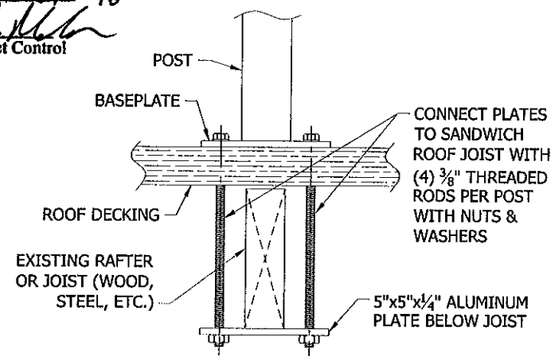
ANCHOR NOTES:

1. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS, & LOCATED PER BASEPLATE COMPONENT DETAIL(S).
2. ENSURE MINIMUM EMBEDMENT, EDGE DISTANCE, & SPACING FOR ALL ANCHORS ARE IN ACCORDANCE WITH ANCHOR SCHEDULE.
3. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES SHEATHING, UNDERLAYMENT, INSULATION, AND OTHER ROOFING MATERIALS.
4. MINIMUM 3/4" EDGE DISTANCE IS CONSIDERED IN DESIGN FOR ALL ANCHORS TO WOOD HOST STRUCTURE (i.e. ANCHOR SHALL BE LOCATED IN CENTER OF TRUSS/RAFTER WHERE FASTENED TO NARROW FACE OF NOMINAL 2x LUMBER).
5. WOOD HOST STRUCTURE SHALL BE "SOUTHERN PINE" WITH G=0.55 OR GREATER SPECIFIC GRAVITY (≈ DENSITY).
6. WHERE HOST STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT INTO PLYWOOD (U.N.O.).
7. SELF-TAPPING OR SELF-THREADING METAL SCREWS SHALL BE INSTALLED WITH FULL THREAD ENGAGEMENT INTO METAL HOST STRUCTURE AND MAY HAVE A FLAT HEAD, PAN HEAD, TRUSS HEAD, OR OTHER HEAD STYLES.
8. ANCHORS THAT INCORPORATE MACHINE SCREWS SHALL HAVE MINIMUM OF 1/2" ENGAGEMENT OF THREADS IN BASE ANCHOR AND MAY HAVE ANY HEAD STYLE, UNLESS INDICATED OTHERWISE BY MFR.



6/3 DIRECT UNIT CONNECTION

SCALE: 6" = 1'-0" VERT SECTION



7/3 RAFTER/JOIST BASEPLATE ANCHORAGE

SCALE: 2" = 1'-0" VERT SECTION

NU-WIND ENGINEERING
PRODUCT APPROVALS DONE RIGHT.
1200 N FEDERAL HWY, #200
BOCA RATON, FL 33432
www.nu-wind.com
Ofc: (954) 333-8965
Fax: (954) 719-3707
C.A. #28511

CHRISTIAN J. LANGLEY, PE
FL PE #67382 CA #28511
7/6/2012

REVISIONS	DESCRIPTION	BY
R DATE		
E 7/15/11	INITIAL SUBMITTAL	CL
V -	-	-
I -	-	-
S -	-	-
I -	-	-
O -	-	-
N -	-	-
S -	-	-

PROJECT: ALUMINUM STANDS FOR ROOFTOP EQUIPMENT (SQUARE POSTS) MIAMI-DADE NOA

CONTRACTOR: F & L ALUMINUM PARTS, Inc. 1710 NW 22nd CT, UNIT 3 POMPANO BEACH, FL 33064

DRAWING NUMBER: FNL.11003

SHEET 3 OF 3