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)

Miami Tech, Inc.
3611 NW 74 Street
Miami, FL 33147

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: Aluminum A/C Stand

APPROVAL DOCUMENT: Drawing No. **20-26630**, titled "Aluminum A/C Stand HVHZ Compliant", sheets 1 through 10 of 10, dated 01/10/2007, and last revised on 09/2020, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number & expiration 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# 17-1218.02** and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Sifang Zhao, P.E.**

MIAMI-DADE COUNTY APPROVED

S.Z.

12/31/2020

NOA No. 20-1013.03
Expiration Date: January 15, 2024
Approval Date: December 31, 2020

Miami Tech, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **20-26630**, titled "Aluminum A/C Stand HVHZ Compliant", sheets 1 through 10 of 10, dated 01/10/2007, and last revised on 09/2020, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

B. TESTS

1. Load Testing of Aluminum A/C Stand Post to Welded Baseplate, prepared by QC Metallurgical, Inc., QCM Job No. 15KM-958, dated 11/13/15, signed by Jerry Iaciofano *(Voluntary Testing)*
   (Submitted under NOA No. 15-0902.05)

C. CALCULATIONS

1. Engineering design calculations, prepared by Engineering Express, date 11/21/17 and last revised on 04/25/18, signed and sealed by Frank L. Bernardo, P.E.
2. Engineering design calculations, prepared by Engineering Express, dated 05/25/16 and last revised on 06/23/16, signed and sealed by Frank L. Bernardo, P.E.
   (Submitted under NOA No. 16-0601.01)

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

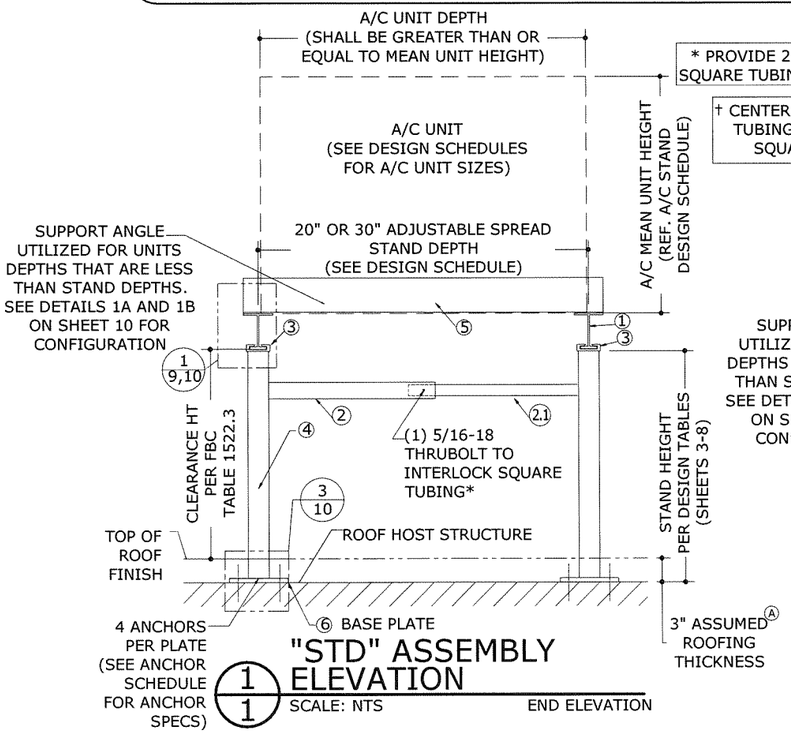
1. Statement letters dated 09/20/2020 indicating compliance to FBC 2020 (7^{th} Edition) and no financial interest prepared by Engineering Express signed & sealed by Frank L. Bernardo, P.E.

G. OTHER

1. Notice of Acceptance No. **17-1218.02**, issued to Miami Tech, Inc., for their **Aluminum A/C Stand**, approved on 06/21/2018 and expiring on 01/15/2024.

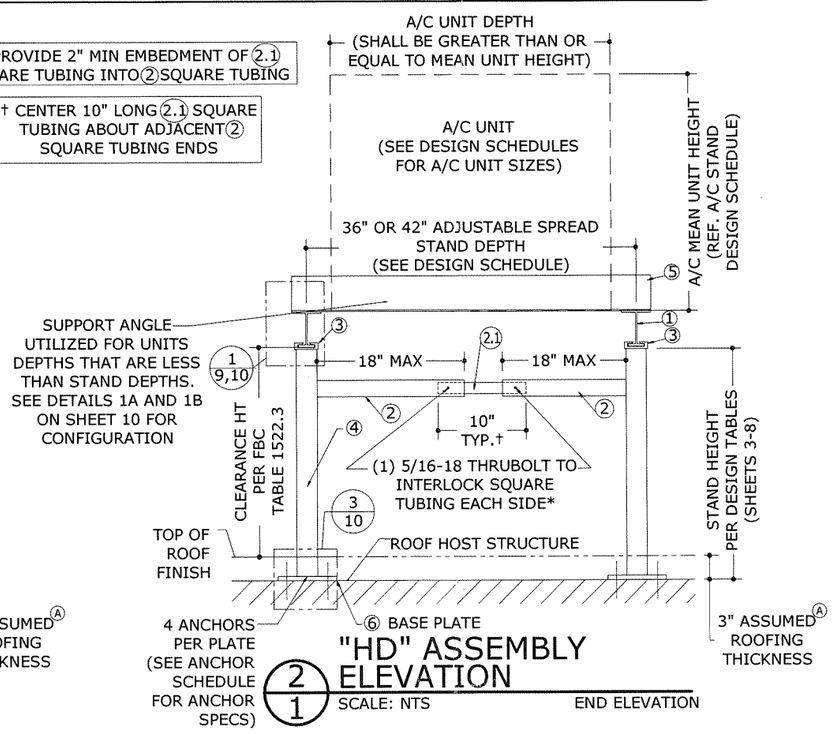
Sifang Zhao, P.E.
Product Control Examiner
NOA No. 20-1013.03
Expiration Date: January 15, 2024
Approval Date: December 31, 2020

ALUMINUM STANDS FOR MECHANICAL UNITS



* PROVIDE 2" MIN EMBEDMENT OF 2.1 SQUARE TUBING INTO ② SQUARE TUBING

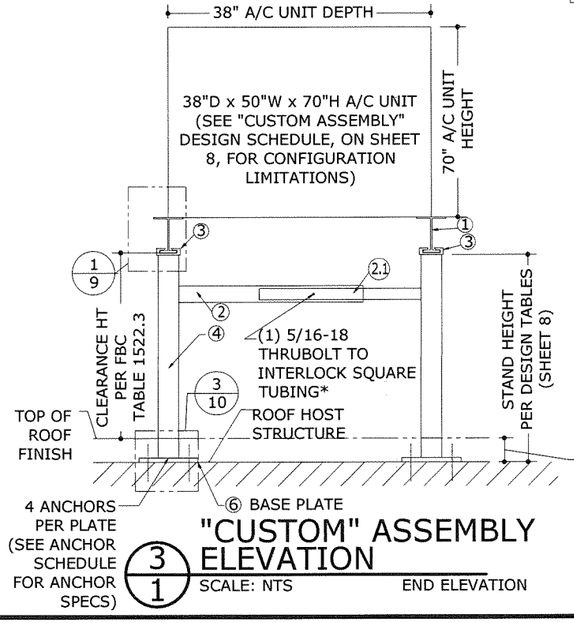
† CENTER 10" LONG 2.1 SQUARE TUBING ABOUT ADJACENT ② SQUARE TUBING ENDS



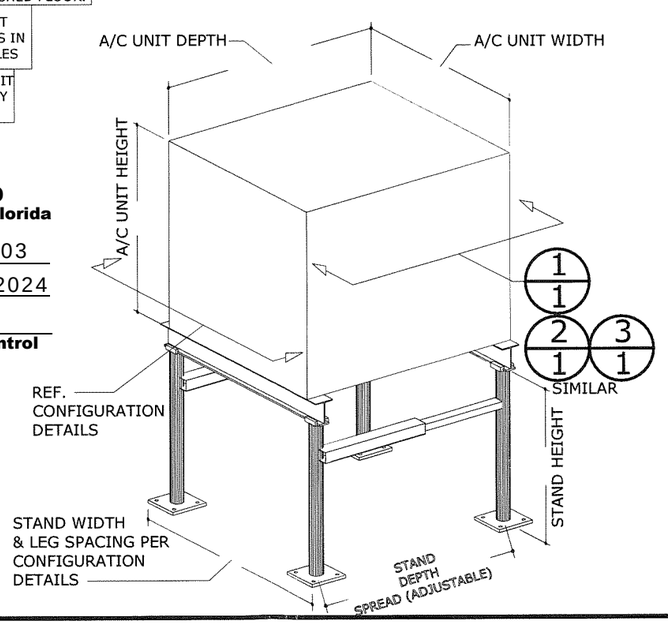
[A] UTILIZE NEXT-HIGHEST STAND HEIGHT FOR LARGER ROOF THICKNESS. FOR ROOFING WITHOUT INSULATION OMIT 3" THICKNESS AND UTILIZE CLEAR HEIGHT FROM FINISHED FLOOR.

UTILIZE NEXT-SMALLEST STAND DEPTH FOR VALUES IN BETWEEN EXISTING TABLES

75# MIN./450 # MAX UNIT WEIGHT AS VERIFIED BY OTHERS, TYP.



PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 20-1013.03
Expiration Date 01/15/2024
By
Miami–Dade Product Control



MAXIMUM ALLOWABLE DESIGN PRESSURES:

AS NOTED IN DESIGN SCHEDULES

DESIGN NOTES:

DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED SEPARATELY ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE USING ASD METHODOLOGY. SITE-SPECIFIC PRESSURE REQUIREMENTS AS DETERMINED IN ACCORDANCE WITH ASCE 7-16 AND CHAPTER 16 OF THE FLORIDA BUILDING CODE SEVENTH EDITION (2020) SHALL BE LESS THAN OR EQUAL TO THE LATERAL AND UPLIFT DESIGN PRESSURE CAPACITY VALUES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN.

GENERAL NOTES

1. THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE STRUCTURAL PROVISIONS OF THE FLORIDA BUILDING CODE SEVENTH EDITION (2020).
2. MAXIMUM DIMENSIONS AND WEIGHT OF A/C UNIT SHALL CONFORM TO SPECIFICATIONS STATED HEREIN, MINIMUM 75LB OR MAXIMUM AS LISTED HEREIN.
3. THE ARCHITECT/ENGINEER OF RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS DESIGN IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR.
4. REACTION FORCES LISTED FOR USE WITH HOST STRUCTURE VERIFICATION ARE CALCULATED USING ASD METHODOLOGY. DESIGN PROFESSIONAL OF RECORD TO VERIFY APPLICABILITY AND/OR ADDITIONAL FACTORS FOR USE WITH HOST STRUCTURE VERIFICATION.
5. ALL FASTENERS TO BE #10 OR GREATER SAE GRADE 5, UNLESS NOTED OTHERWISE, CADMIUM PLATED OR OTHERWISE CORROSION RESISTANT MATERIAL AND SHALL COMPLY WITH J.3.3, SPECIFICATIONS FOR ALUM. STRUCTURES -SECTION 1, THE ALUMINUM ASSOCIATION,INC., & APPLICABLE FEDERAL,STATE, AND LOCAL CODES. PROVIDE (5) PITCHES MIN PAST THREAD PLANE.
6. ALL EXTRUDED MEMBERS SHALL BE ALUMINUM ALLOY TYPE 6061-T6 OR 6005-T5.
7. ALL 22GA DEFORMED STEEL STRAPS USED FOR UNIT TIE-DOWNS SHALL BE ASTM A36 MIN. STEEL. FABRICATION OF STEEL STRAPS SHALL BE BY STRAP MANUFACTURER ONLY.
8. ALL EXISTING CONCRETE SUBSTRATE SHALL HAVE MINIMUM f'c COMPRESSIVE STRENGTH OF 3000 PSI AS VERIFIED BY OTHERS.
9. ALUMINUM WELDING SHALL BE PERFORMED IN ACCORDANCE WITH FBC SECTION 2003.8.1 WITH WELD FILLER ALLOYS MEETING ANSI/AWS A5.10 STANDARDS TO ACHIEVE ULTIMATE DESIGN STRENGTH IN ACCORDANCE WITH THE ALUMINUM DESIGN MANUAL, TABLE J.2.1. SUGGESTED WELD FILLER: 5356 ELECTRODES. ALL ALUMINUM CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE TOLERANCES, QUALITY AND METHODS OF CONSTRUCTION AS SET FORTH IN FBC SECTION 2003.2 AND THE AMERICAN WELDING SOCIETY'S STRUCTURAL WELDING CODE-ALUMINUM (D1.2). MINIMUM WELD IS ⅛" THROAT FULL PERIMETER FILLET WELD UNLESS OTHERWISE NOTED.
10. THE CONTRACTOR IS RESPONSIBLE TO INSULATE MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
11. ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS. ALL MECHANICAL SPECIFICATIONS (CLEAR SPACE, TONNAGE, ETC.) SHALL BE AS PER MANUFACTURER RECOMMENDATIONS AND ARE THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR.
12. ENGINEER SEAL AFFIXED HERETO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
13. 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.
14. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
15. AC STANDS SHALL LABELED PER MIAMI-DADE REQUIREMENTS FOR NON-MANDATORY PRODUCT APPROVALS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE.

FRANK L. BENNARDO, P.E.
PE0046549 CA# 9885
09/25/2020
STATE OF FLORIDA PROFESSIONAL ENGINEER
ENGINEERING EXPRESS
CORPORATE OFFICE:
160 SW 12th AVE, SUITE 106
DEERFIELD BEACH, FL 33442
(954) 354-0660 | (866) 396-9999
TEAM@ENGINEERINGEXPRESS.COM
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MIAMI, FL 33147
PHONE: (305) 693-7054 FAX: (305) 693-6125

ALUMINUM A/C STAND
HVHZ COMPLAINT

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	KL	CL	01/10/07
REV. TELESCOPIC BOLTS	KL	CL	05/03/07
UPDATE PER '07 FBC	TSB	CL	09/30/08
UPDATE PER '10 FBC	CSL	TSB	05/10/12
REV. PER COMMENTS	CSL	TSB	08/16/12
FBC UPDATE	RWN	CSL	07/07/15
REV PER MD COMMENTS	RWN	FLB	05/07/16
REV - 2017 FBC	RWN	FLB	11/01/17
REV - 2020 FBC	RWN	FLB	09/20/20

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SCALE: NTS -
PAGE DESCRIPTION:
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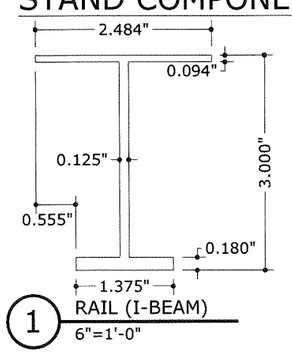
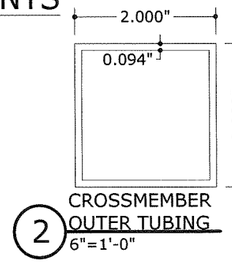
1 10

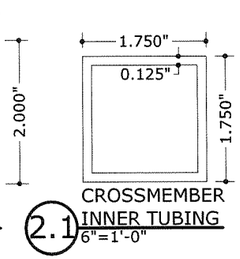
STAND COMPONENTS



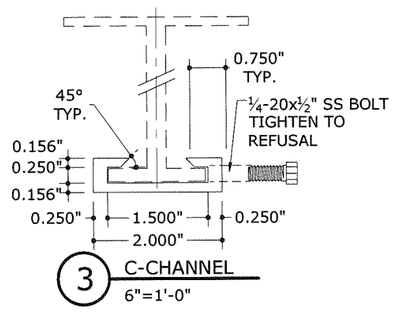
1 RAIL (I-BEAM) 6"=1'-0"



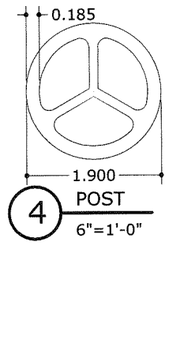
2 CROSSMEMBER OUTER TUBING 6"=1'-0"



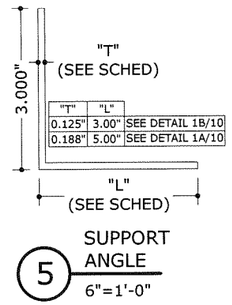
2.1 CROSSMEMBER INNER TUBING 6"=1'-0"



3 C-CHANNEL 6"=1'-0"

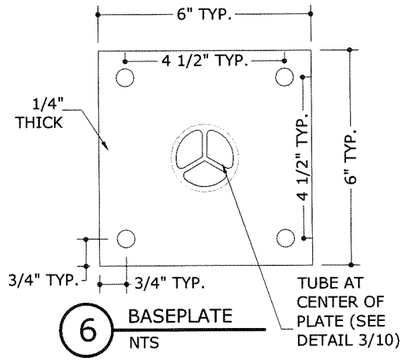


4 POST 6"=1'-0"



"T"	"L"	
0.125"	3.00"	SEE DETAIL 1B/10
0.188"	5.00"	SEE DETAIL 1A/10

5 SUPPORT ANGLE 6"=1'-0"



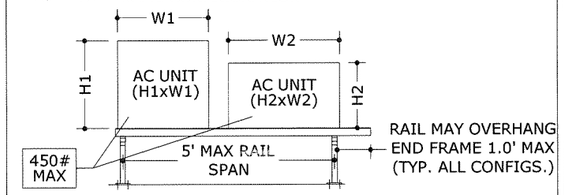
6 BASEPLATE NTS

MEAN UNIT HEIGHT & MAX FACE AREA CALCULATION DIRECTIVE:

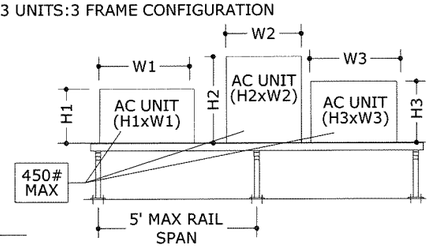
THIS DIRECTIVE SHALL BE USED TO CALCULATE THE MEAN UNIT HEIGHT & MAXIMUM FACE AREA OF ANY MULTIPLE UNIT CONFIGURATION.

EXAMPLE CONFIGURATIONS:

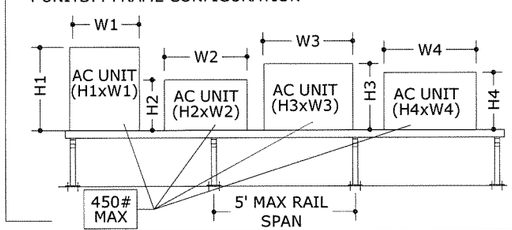
2 UNITS:2 FRAME CONFIGURATION



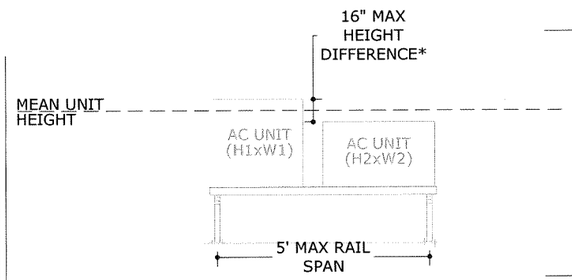
3 UNITS:3 FRAME CONFIGURATION

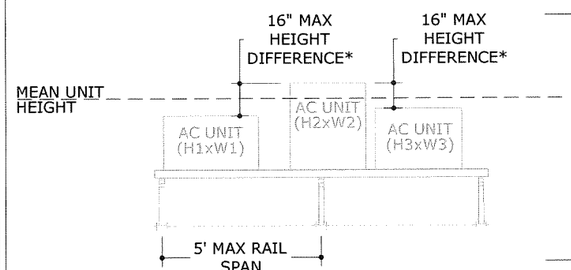


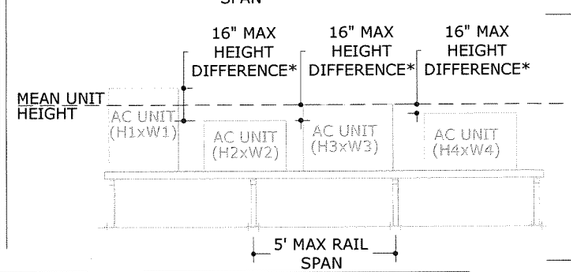
4 UNITS:4 FRAME CONFIGURATION



NOTE: THE NUMBER OF UNITS PER STAND CONFIGURATION MAY BE UNLIMITED PROVIDED THAT MULTIPLE UNITS CONFORM TO THE MEAN UNIT HEIGHT & MAXIMUM UNIT FACE AREA RESTRICTIONS UTILIZED IN THE DESIGN SCHEDULES.







*MAXIMUM ALLOWABLE HEIGHT DIFFERENCE BETWEEN ANY UNITS IN A MULTIPLE UNIT CONFIGURATION IS RESTRICTED TO 16" MAX.

FORMULAS USED FOR DETERMINING MEAN UNIT HEIGHT & MAXIMUM UNIT FACE AREA:

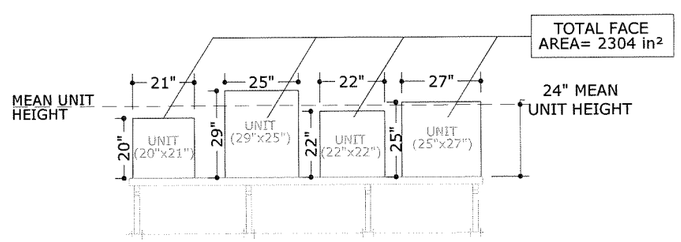
1. CALCULATE THE MEAN UNIT HEIGHT BY THE FOLLOWING EQUATION:
   - TWO UNITS: $\frac{H1+H2}{2}$
   - THREE UNITS: $\frac{H1+H2+H3}{3}$
   - FOUR UNITS: $\frac{H1+H2+H3+H4}{4}$
   - "n" UNITS: $\frac{H1+H2+H3+...Hn}{n}$
2. CALCULATE THE MAXIMUM UNIT FACE AREA BY THE FOLLOWING EQUATION:
   - TWO UNITS: (H1xW1)+(H2xW2)
   - THREE UNITS: (H1xW1)+(H2xW2)+(H3xW3)
   - FOUR UNITS: (H1xW1)+(H2xW2)+(H3xW3)+(H4xW4)
   - "n" UNITS: (H1xW1)+...(HnxWn)

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 20-1013.03
Expiration Date 01/15/2024
By _____
Miami–Dade Product Control

EXAMPLE SCENARIO:

1. CONSIDER A FOUR UNIT CONFIGURATION WITH THE DIMENSIONS AS SHOWN BELOW.
2. CALCULATE THE MEAN UNIT HEIGHT.
   - FOUR UNITS: $\frac{H1+H2+H3+H4}{4} = \frac{20"+29"+22"+25"}{4}$ = 24" MEAN UNIT HEIGHT
3. CALCULATE THE MAXIMUM FACE AREA.
   - FOUR UNITS: (H1xW1)+(H2xW2)+(H3xW3)+(H4xW4) = (20"x21")+(29"x25")+(22"x22")+(25"x27")

= 2304 in²



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#PE0046549 CA#9885
LICENSE
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PROFESSIONAL ENGINEER
09/25/2020
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ALUMINUM A/C STAND
HVHZ COMPLAINT

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	KL	CL	01/10/07
REV. TELESCOPIC BOLTS	KL	CL	05/03/07
UPDATE PER '07 FBC	TSB	CL	09/30/08
UPDATE PER '10 FBC	CSL	TSB	05/10/12
REV. PER COMMENTS	CSL	TSB	08/16/12
FBC UPDATE	RWN	CSL	07/07/15
REV PER MD COMMENTS	RWN	FLB	05/07/16
REV.- 2017 FBC	RWN	FLB	11/01/17
REV.- 2020 FBC	RWN	FLB	09/20/20

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SCALE: NTS -

PAGE DESCRIPTION:

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"STD" STAND DESIGN SCHEDULES & STAND DIRECTIVE EXAMPLE

20" STAND DEPTH MINIMUM: MAX FACE AREA (3600in² - 12600in²), FRAME QUANTITY (5-8 FRAMES)

UNIT TO FRAME RATIO / LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	8 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE LATERAL LOAD	8 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE UPLIFT	8 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE LATERAL LOAD	8 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE UPLIFT	7 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE LATERAL LOAD	7 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE UPLIFT	7 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE LATERAL LOAD	7 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE UPLIFT	6 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE LATERAL LOAD	6 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE UPLIFT	6 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE LATERAL LOAD	6 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE UPLIFT	5 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE LATERAL LOAD	5 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE UPLIFT	5 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE LATERAL LOAD	5 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE UPLIFT	MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
18 "	30 "	3600 in²	189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	178.7 PSF	141.1 PSF	166.0 PSF	131.1 PSF	148.9 PSF	117.5 PSF	138.5 PSF	109.3 PSF	360.40 LB-FT	409.6 LB	1691.0 LB	1374.4 LB
24 "			184.6 PSF	145.7 PSF	184.6 PSF	145.7 PSF	161.5 PSF	127.5 PSF	161.5 PSF	127.5 PSF	138.4 PSF	109.3 PSF	138.4 PSF	109.3 PSF	115.3 PSF	91.1 PSF	115.3 PSF	91.1 PSF	360.40 LB-FT	317.3 LB	1500.9 LB	1285.6 LB
30 "			150.9 PSF	119.1 PSF	150.9 PSF	119.1 PSF	132.0 PSF	104.2 PSF	132.0 PSF	104.2 PSF	113.1 PSF	89.3 PSF	113.1 PSF	89.3 PSF	94.3 PSF	74.4 PSF	94.3 PSF	74.4 PSF	360.40 LB-FT	259.3 LB	1379.9 LB	1231.1 LB
18 "	40 "	6000 in²	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	98.1 PSF	77.5 PSF	91.4 PSF	72.1 PSF	81.8 PSF	64.6 PSF	360.40 LB-FT	409.6 LB	1882.5 LB	1588.8 LB
24 "			99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.1 PSF	78.3 PSF	99.1 PSF	78.3 PSF	85.0 PSF	67.1 PSF	85.0 PSF	67.1 PSF	70.8 PSF	55.9 PSF	70.8 PSF	55.9 PSF	360.40 LB-FT	317.3 LB	1650.2 LB	1451.6 LB
30 "			92.6 PSF	73.1 PSF	92.6 PSF	73.1 PSF	81.0 PSF	64.0 PSF	81.0 PSF	64.0 PSF	69.4 PSF	54.8 PSF	69.4 PSF	54.8 PSF	57.9 PSF	45.7 PSF	57.9 PSF	45.7 PSF	360.40 LB-FT	259.3 LB	1503.5 LB	1366.8 LB
18 "	50 "	9000 in²	58 (85) PSF	67.1 PSF	58 (85) PSF	67.1 PSF	58 (85) PSF	67.1 PSF	58 (74.6) PSF	58.8 PSF	58 (74.1) PSF	58.5 PSF	58 (63.9) PSF	50.5 PSF	58 (61.8) PSF	48.8 PSF	53.3 PSF	42.1 PSF	360.40 LB-FT	409.6 LB	2085.1 LB	1799.5 LB
24 "			58 (76.6) PSF	60.5 PSF	58 (74.3) PSF	58.6 PSF	58 (67) PSF	52.9 PSF	58 (65) PSF	51.3 PSF	57.4 PSF	45.3 PSF	55.7 PSF	44.0 PSF	47.9 PSF	37.8 PSF	46.5 PSF	36.7 PSF	360.40 LB-FT	317.3 LB	1806.2 LB	1614.9 LB
30 "			58 (62.6) PSF	49.4 PSF	58 (62.6) PSF	49.4 PSF	54.8 PSF	43.2 PSF	54.8 PSF	43.2 PSF	46.9 PSF	37.0 PSF	46.9 PSF	37.0 PSF	39.1 PSF	30.9 PSF	39.1 PSF	30.9 PSF	360.40 LB-FT	259.3 LB	1629.4 LB	1500.3 LB
18 "	60 "	12600 in²	36.8 (57) PSF	45.0 PSF	36.8 (57) PSF	45.0 PSF	36.8 (57) PSF	45.0 PSF	36.8 (51.8) PSF	40.9 PSF	36.8 (53.5) PSF	42.2 PSF	36.8 (44.5) PSF	35.1 PSF	36.8 (44.5) PSF	35.1 PSF	36.8 (37.1) PSF	29.3 PSF	360.40 LB-FT	409.6 LB	2285.8 LB	2008.4 LB
24 "			36.8 (55.2) PSF	43.6 PSF	36.8 (51.9) PSF	40.9 PSF	36.8 (48.3) PSF	38.1 PSF	36.8 (45.4) PSF	35.8 PSF	36.8 (41.4) PSF	32.7 PSF	36.8 (38.9) PSF	30.7 PSF	34.5 PSF	27.2 PSF	32.5 PSF	25.6 PSF	360.40 LB-FT	317.3 LB	1961.7 LB	1776.8 LB
30 "			36.8 (45.1) PSF	35.6 PSF	36.8 (45.1) PSF	35.6 PSF	36.8 (39.5) PSF	31.2 PSF	36.8 (39.5) PSF	31.2 PSF	33.8 PSF	26.7 PSF	33.8 PSF	26.7 PSF	28.2 PSF	22.2 PSF	28.2 PSF	22.2 PSF	360.40 LB-FT	259.3 LB	1756.5 LB	1632.5 LB

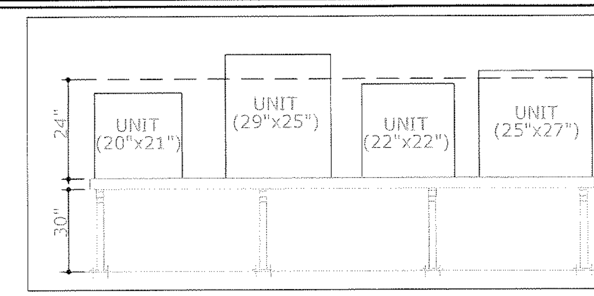
20" STAND DEPTH MINIMUM: MAX FACE AREA (2880in² - 10080in²), FRAME QUANTITY (4-7 FRAMES)

UNIT TO FRAME RATIO / LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	7 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE LATERAL LOAD	7 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE UPLIFT	7 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE LATERAL LOAD	7 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE UPLIFT	6 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE LATERAL LOAD	6 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE UPLIFT	6 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE LATERAL LOAD	6 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE UPLIFT	5 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE LATERAL LOAD	5 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE UPLIFT	5 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE LATERAL LOAD	5 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE UPLIFT	4 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE LATERAL LOAD	4 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE UPLIFT	4 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE LATERAL LOAD	4 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE UPLIFT	MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
18 "	30 "	2880 in²	189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	186.1 PSF	146.9 PSF	172.9 PSF	136.5 PSF	148.9 PSF	117.5 PSF	138.5 PSF	109.3 PSF	360.40 LB-FT	409.6 LB	1691.7 LB	1374.4 LB
24 "			189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	173.0 PSF	136.6 PSF	173.0 PSF	136.6 PSF	144.2 PSF	113.8 PSF	144.2 PSF	113.8 PSF	115.3 PSF	91.1 PSF	115.3 PSF	91.1 PSF	360.40 LB-FT	317.3 LB	1500.0 LB	1285.6 LB
30 "			165.0 PSF	130.3 PSF	165.0 PSF	130.3 PSF	141.4 PSF	111.6 PSF	141.4 PSF	111.6 PSF	117.9 PSF	93.0 PSF	117.9 PSF	93.0 PSF	94.3 PSF	74.4 PSF	94.3 PSF	74.4 PSF	360.40 LB-FT	259.3 LB	1381.1 LB	1231.1 LB
18 "	40 "	4800 in²	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	91.4 PSF	72.1 PSF	81.8 PSF	64.6 PSF	360.40 LB-FT	409.6 LB	1882.5 LB	1588.8 LB
24 "			99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	88.5 PSF	69.9 PSF	88.5 PSF	69.9 PSF	70.8 PSF	55.9 PSF	70.8 PSF	55.9 PSF	360.40 LB-FT	317.3 LB	1648.2 LB	1451.6 LB
30 "			99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	86.8 PSF	68.5 PSF	86.8 PSF	68.5 PSF	72.3 PSF	57.1 PSF	72.3 PSF	57.1 PSF	57.9 PSF	45.7 PSF	57.9 PSF	45.7 PSF	360.40 LB-FT	259.3 LB	1502.5 LB	1366.8 LB
18 "	50 "	7200 in²	58 (85) PSF	67.1 PSF	58 (85) PSF	67.1 PSF	58 (85) PSF	67.1 PSF	58 (79.9) PSF	63.0 PSF	58 (77.2) PSF	61.0 PSF	58 (66.6) PSF	52.6 PSF	58 (61.8) PSF	48.8 PSF	53.3 PSF	42.1 PSF	360.40 LB-FT	409.6 LB	2085.8 LB	1799.5 LB
24 "			58 (83.8) PSF	66.1 PSF	58 (81.2) PSF	64.1 PSF	58 (71.8) PSF	56.7 PSF	58 (69.6) PSF	55.0 PSF	58 (59.8) PSF	47.2 PSF	58 (58.1) PSF	45.8 PSF	47.9 PSF	37.8 PSF	46.5 PSF	36.7 PSF	360.40 LB-FT	317.3 LB	1807.4 LB	1614.9 LB
30 "			58 (68.5) PSF	54.0 PSF	58 (68.5) PSF	54.0 PSF	58 (58.7) PSF	46.3 PSF	58 (58.7) PSF	46.3 PSF	48.9 PSF	38.6 PSF	48.9 PSF	38.6 PSF	39.1 PSF	30.9 PSF	39.1 PSF	30.9 PSF	360.40 LB-FT	259.3 LB	1630.6 LB	1500.3 LB
18 "	60 "	10080 in²	36.8 (57) PSF	45.0 PSF	36.8 (57) PSF	45.0 PSF	36.8 (57) PSF	45.0 PSF	36.8 (55.5) PSF	43.8 PSF	36.8 (55.7) PSF	43.9 PSF	36.8 (46.3) PSF	36.5 PSF	36.8 (44.5) PSF	35.1 PSF	36.8 (37.1) PSF	29.3 PSF	360.40 LB-FT	409.6 LB	2286.6 LB	2008.4 LB
24 "			36.8 (57) PSF	45.0 PSF	36.8 (56.7) PSF	44.8 PSF	36.8 (51.8) PSF	40.9 PSF	36.8 (48.6) PSF	38.4 PSF	36.8 (43.1) PSF	34.0 PSF	36.8 (40.6) PSF	32.0 PSF	34.5 PSF	27.2 PSF	32.5 PSF	25.6 PSF	360.40 LB-FT	317.3 LB	1960.8 LB	1776.8 LB
30 "			36.8 (49.4) PSF	39.0 PSF	36.8 (49.4) PSF	39.0 PSF	36.8 (42.3) PSF	33.4 PSF	36.8 (42.3) PSF	33.4 PSF	35.2 PSF	27.8 PSF	35.2 PSF	27.8 PSF	28.2 PSF	22.2 PSF	28.2 PSF	22.2 PSF	360.40 LB-FT	259.3 LB	1757.7 LB	1632.5 LB

STAND EXAMPLE

(THE FOLLOWING EXAMPLE ILLUSTRATES THE PROCEDURE USED TO DETERMINE THE MAXIMUM ALLOWABLE WIND PRESSURE & UPLIFT FOR ANY GIVEN MECHANICAL UNIT CONFIGURATION THAT CONFORMS TO THE DIMENSION RESTRICTIONS LISTED HEREIN. SEE SHEET 2 FOR MEAN UNIT HEIGHT & MAXIMUM FACE AREA CALCULATION DIRECTIVE. SEE SHEET 2 FOR COMPONENT SCHEDULE. SEE SHEET 9 FOR ANCHOR SCHEDULES.)



MECHANICAL UNIT/STAND CRITERIA:

CONSIDER THE INSTALLATION OF (4) MECHANICAL UNITS, (1)-20" TALL x 24" DEEP x 21" WIDE, (1)-29" TALL x 24" DEEP x 25" WIDE,(1)-22" TALL x 24" DEEP x 22" WIDE, (1)-25" TALL x 27" DEEP x 27" WIDE,[350 LB MAX WEIGHT] INSTALLED WITH THE FOLLOWING CRITERIA:

- NUMBER OF LEG FRAMES= (4) FRAMES
- STAND HEIGHT= 30" HEIGHT
- STAND DEPTH= 20" STAND DEPTH SPREAD
- HOST STRUCTURE TYPE= 3,000 PSI CONCRETE (AS VERIFIED BY OTHERS).

	PROCEDURE:	*RESULT:*
1	DETERMINE THE MEAN UNIT HEIGHT FOR THE GIVEN CONFIGURATION	SEE SHEET 2, CALCULATION DIRECTIVE STEP #1 FOR METHOD OF CALCULATING THE MEAN UNIT HEIGHT. FOR CLARIFICATION, THIS CONFIGURATION HAS BEEN WORKED OUT IN THE EXAMPLE SCENARIO. **(MEAN UNIT HEIGHT = 24 in)**
2	DETERMINE THE MAXIMUM FACE AREA FOR THE GIVEN CONFIGURATION	SEE SHEET 2, CALCULATION DIRECTIVE STEP #2 FOR METHOD OF CALCULATING THE MAXIMUM TOTAL UNIT FACE AREA. FOR CLARIFICATION, THIS CONFIGURATION HAS BEEN WORKED OUT IN THE EXAMPLE SCENARIO. **(MAXIMUM UNIT FACE AREA = 2304 in²)**
3	LOCATE DESIGN SCHEDULE THAT APPLIES TO THE GIVEN CONFIGURATION	SEE SHEET 3 FOR THE 20" STAND DEPTH WITH A MAXIMUM FACE AREA OF 2304 in².
4	DETERMINE THE MAXIMUM ALLOWABLE LATERAL & UPLIFT WIND LOADS	FOR A 2304 in² MAX TOTAL UNIT FACE AREA ON A 30" STAND HEIGHT WITH (4) SUPPORTING FRAMES, THE ALLOWABLE WIND LOADS ARE AS FOLLOWS: • ALLOWABLE LATERAL WIND LOAD: **94.3 PSF** • ALLOWABLE UPLIFT WIND LOAD: **74.4 PSF** (FROM TABLE ABOVE)
5	INSTALL STAND PER PERMISSIBLE ANCHOR TYPES AND VERIFY HOST STRUCTURE TYPE	UTILIZE ANCHOR TYPES FROM DESIGN SCHEDULE ASSOCIATED WITH THE ALLOWABLE WIND VALUES DETERMINED IN STEP 4. FOR THE TABLE LISTING, **ANCHOR TYPES 2 & 3 MAY BE APPLIED**. FOR THIS EXAMPLE UTILIZE ANCHOR TYPE 2 FOR CONCRETE HOST STRUCTURE TYPE. INSTALL STANDS PER ANCHOR SCHEDULE AND DETAILS AS ILLUSTRATED ON SHEET 9.

CONCLUSION:

6	MAXIMUM ALLOWABLE LATERAL DESIGN PRESSURE= MAXIMUM ALLOWABLE UPLIFT DESIGN PRESSURE=	= 94.3 PSF = 74.4 PSF (FROM TABLE ABOVE)
7	COMPARE TO SITE SPECIFIC DESIGN CONDITIONS	*COMPARE VALUES FROM STEP #6 TO THE SEPARATE SITE SPECIFIC REQUIRED DESIGN WIND PRESSURE PROVIDED BY A LICENSED ENGINEER OR REGISTERED ARCHITECT; NOT INCLUDED IN THIS CERTIFICATION. SITE-SPECIFIC PRESSURE REQUIREMENTS SHALL BE LESS THAN OR EQUAL TO THE LATERAL AND UPLIFT DESIGN PRESSURE ALLOWABLE CAPACITY VALUES LISTED.*

DESIGN SCHEDULE NOTES:

1. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
2. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.
3. DESIGN VALUES IN PARENTHESIS REPRESENT CAPACITIES WHEN TIE-DOWN STRAPS ARE USED. SEE DETAIL 5 ON SHEET 9 FOR STRAP DETAILS.

TABLE LEGEND:
(oval) -DENOTES EXAMPLE VALUE FOR USE WITH COVER PAGE DIRECTIVE

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ALUMINUM A/C STAND
HVHZ COMPLAINT

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	KL	CL	01/10/07
REV. TELESCOPIC BOLTS	KL	CL	05/03/07
UPDATE PER '07 FBC	TSB	CL	09/30/08
UPDATE PER '10 FBC	CSL	TSB	05/10/12
REV. PER COMMENTS	CSL	TSB	08/16/12
FBC UPDATE	RWN	CSL	07/07/15
REV PER MD COMMENTS	RWN	FLB	05/07/16
REV - 2017 FBC	RWN	FLB	11/01/17
REV - 2020 FBC	RWN	FLB	09/20/20

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SCALE: NTS -
PAGE DESCRIPTION:
-

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"STD" STAND DESIGN SCHEDULE CONTINUED

20'' STAND DEPTH MINIMUM: MAX FACE AREA (2160in² - 7560in²), FRAME QUANTITY (3-6 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO: MAX FACE AREA : 6 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX FACE AREA : 5 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX FACE AREA : 4 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX FACE AREA : 3 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY — MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
18 ''	30 ''	2160 in²	189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	189.9 PSF	145.6 PSF	148.9 PSF	117.5 PSF	138.5 PSF	109.3 PSF	360.40 LB-FT	409.6 LB	1687.2 LB	1374.4 LB
24 ''			189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	153.8 PSF	121.4 PSF	153.8 PSF	121.4 PSF	115.3 PSF	91.1 PSF	115.3 PSF	91.1 PSF	360.40 LB-FT	317.3 LB	1498.1 LB	1285.6 LB
30 ''			188.6 PSF	148.9 PSF	188.6 PSF	148.9 PSF	157.2 PSF	124.1 PSF	157.2 PSF	124.1 PSF	125.7 PSF	99.2 PSF	125.7 PSF	99.2 PSF	94.3 PSF	74.4 PSF	94.3 PSF	74.4 PSF	360.40 LB-FT	259.3 LB	1382.7 LB	1231.1 LB
18 ''	40 ''	3600 in²	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	91.4 PSF	72.1 PSF	81.8 PSF	64.6 PSF	360.40 LB-FT	409.6 LB	1882.5 LB	1588.8 LB
24 ''			99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	94.4 PSF	74.5 PSF	94.4 PSF	74.5 PSF	70.8 PSF	55.9 PSF	70.8 PSF	55.9 PSF	360.40 LB-FT	317.3 LB	1649.4 LB	1451.6 LB
30 ''			99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	96.5 PSF	76.1 PSF	96.5 PSF	76.1 PSF	77.2 PSF	60.9 PSF	77.2 PSF	60.9 PSF	57.9 PSF	45.7 PSF	57.9 PSF	45.7 PSF	360.40 LB-FT	259.3 LB	1504.0 LB	1366.8 LB
18 ''	50 ''	5400 in²	58 (85) PSF	67.1 PSF	58 (85) PSF	67.1 PSF	58 (85) PSF	67.1 PSF	58 (85) PSF	67.1 PSF	58 (82.4) PSF	65.0 PSF	58 (71) PSF	56.1 PSF	58 (61.8) PSF	48.8 PSF	53.3 PSF	42.1 PSF	360.40 LB-FT	409.6 LB	2087.0 LB	1799.5 LB
24 ''			58 (85) PSF	67.1 PSF	58 (85) PSF	67.1 PSF	58 (79.8) PSF	63.0 PSF	58 (77.4) PSF	61.1 PSF	58 (63.8) PSF	50.4 PSF	58 (61.9) PSF	48.9 PSF	47.9 PSF	37.8 PSF	46.5 PSF	36.7 PSF	360.40 LB-FT	317.3 LB	1806.8 LB	1614.9 LB
30 ''			58 (78.3) PSF	61.8 PSF	58 (78.3) PSF	61.8 PSF	58 (65.2) PSF	51.5 PSF	58 (65.2) PSF	51.5 PSF	52.2 PSF	41.2 PSF	52.2 PSF	41.2 PSF	39.1 PSF	30.9 PSF	39.1 PSF	30.9 PSF	360.40 LB-FT	259.3 LB	1632.2 LB	1500.3 LB
18 ''	60 ''	7560 in²	36.8 (57) PSF	45.0 PSF	36.8 (57) PSF	45.0 PSF	36.8 (57) PSF	45.0 PSF	36.8 (57) PSF	45.0 PSF	36.8 (57) PSF	45.0 PSF	36.8 (49.4) PSF	39.0 PSF	36.8 (44.5) PSF	35.1 PSF	36.8 (37.1) PSF	29.3 PSF	360.40 LB-FT	409.6 LB	2282.1 LB	2008.4 LB
24 ''			36.8 (57) PSF	45.0 PSF	36.8 (57) PSF	45.0 PSF	36.8 (57) PSF	45.0 PSF	36.8 (54) PSF	42.7 PSF	36.8 (46) PSF	36.3 PSF	36.8 (43.3) PSF	34.1 PSF	34.5 PSF	27.2 PSF	32.5 PSF	25.6 PSF	360.40 LB-FT	317.3 LB	1958.9 LB	1776.8 LB
30 ''			36.8 (56.4) PSF	44.5 PSF	36.8 (56.4) PSF	44.5 PSF	36.8 (47) PSF	37.1 PSF	36.8 (47) PSF	37.1 PSF	36.8 (37.6) PSF	29.7 PSF	36.8 (37.6) PSF	29.7 PSF	28.2 PSF	22.2 PSF	28.2 PSF	22.2 PSF	360.40 LB-FT	259.3 LB	1759.3 LB	1632.5 LB

20'' STAND DEPTH MINIMUM: MAX FACE AREA (1440in² - 5040in²), FRAME QUANTITY (2-5 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO: MAX FACE AREA : 5 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX FACE AREA : 4 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX FACE AREA : 3 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX FACE AREA : 2 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY — MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
18 ''	30 ''	1440 in²	189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	148.9 PSF	117.5 PSF	138.5 PSF	109.3 PSF	360.40 LB-FT	409.6 LB	1687.2 LB	1374.4 LB
24 ''			189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	173.0 PSF	136.6 PSF	173.0 PSF	136.6 PSF	115.3 PSF	91.1 PSF	115.3 PSF	91.1 PSF	360.40 LB-FT	317.3 LB	1500.0 LB	1285.6 LB
30 ''			189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	188.6 PSF	148.9 PSF	188.6 PSF	148.9 PSF	141.4 PSF	111.6 PSF	141.4 PSF	111.6 PSF	94.3 PSF	74.4 PSF	94.3 PSF	74.4 PSF	360.40 LB-FT	259.3 LB	1382.7 LB	1231.1 LB
18 ''	40 ''	2400 in²	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	91.4 PSF	72.1 PSF	81.8 PSF	64.6 PSF	360.40 LB-FT	409.6 LB	1882.5 LB	1588.8 LB
24 ''			99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	70.8 PSF	55.9 PSF	70.8 PSF	55.9 PSF	360.40 LB-FT	317.3 LB	1643.7 LB	1451.6 LB
30 ''			99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	86.8 PSF	68.5 PSF	86.8 PSF	68.5 PSF	57.9 PSF	45.7 PSF	57.9 PSF	45.7 PSF	360.40 LB-FT	259.3 LB	1502.5 LB	1366.8 LB
18 ''	50 ''	3600 in²	58 (85) PSF	67.1 PSF	58 (85) PSF	67.1 PSF	58 (85) PSF	67.1 PSF	58 (85) PSF	67.1 PSF	58 (85) PSF	67.1 PSF	58 (79.9) PSF	63.0 PSF	58 (61.8) PSF	48.8 PSF	53.3 PSF	42.1 PSF	360.40 LB-FT	409.6 LB	2081.3 LB	1799.5 LB
24 ''			58 (85) PSF	67.1 PSF	58 (85) PSF	67.1 PSF	58 (85) PSF	67.1 PSF	58 (85) PSF	67.1 PSF	58 (71.8) PSF	56.7 PSF	58 (69.6) PSF	55.0 PSF	47.9 PSF	37.8 PSF	46.5 PSF	36.7 PSF	360.40 LB-FT	317.3 LB	1805.3 LB	1614.9 LB
30 ''			58 (85) PSF	67.1 PSF	58 (85) PSF	67.1 PSF	58 (78.3) PSF	61.8 PSF	58 (78.3) PSF	61.8 PSF	58 (58.7) PSF	46.3 PSF	58 (58.7) PSF	46.3 PSF	39.1 PSF	30.9 PSF	39.1 PSF	30.9 PSF	360.40 LB-FT	259.3 LB	1632.2 LB	1500.3 LB
18 ''	60 ''	5040 in²	36.8 (57) PSF	45.0 PSF	36.8 (57) PSF	45.0 PSF	36.8 (57) PSF	45.0 PSF	36.8 (57) PSF	45.0 PSF	36.8 (57) PSF	45.0 PSF	36.8 (55.5) PSF	43.8 PSF	36.8 (44.5) PSF	35.1 PSF	36.8 (37.1) PSF	29.3 PSF	360.40 LB-FT	409.6 LB	2282.1 LB	2008.4 LB
24 ''			36.8 (57) PSF	45.0 PSF	36.8 (57) PSF	45.0 PSF	36.8 (57) PSF	45.0 PSF	36.8 (57) PSF	45.0 PSF	36.8 (51.8) PSF	40.9 PSF	36.8 (48.6) PSF	38.4 PSF	34.5 PSF	27.2 PSF	32.5 PSF	25.6 PSF	360.40 LB-FT	317.3 LB	1960.8 LB	1776.8 LB
30 ''			36.8 (57) PSF	45.0 PSF	36.8 (57) PSF	45.0 PSF	36.8 (56.4) PSF	44.5 PSF	36.8 (56.4) PSF	44.5 PSF	36.8 (42.3) PSF	33.4 PSF	36.8 (42.3) PSF	33.4 PSF	28.2 PSF	22.2 PSF	28.2 PSF	22.2 PSF	360.40 LB-FT	259.3 LB	1759.3 LB	1632.5 LB

20'' STAND DEPTH MINIMUM: MAX FACE AREA (720in² - 2520in²), FRAME QUANTITY (2-3 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO: MAX FACE AREA : 3 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX FACE AREA : 2 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY — MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
18 ''	30 ''	720 in²	189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	229.80 LB-FT	261.1 LB	1078.9 LB	857.7 LB
24 ''			189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	296.60 LB-FT	261.1 LB	1235.6 LB	1014.4 LB
30 ''			189.9 PSF	149.9 PSF	189.9 PSF	149.9 PSF	188.6 PSF	148.9 PSF	188.6 PSF	148.9 PSF	360.40 LB-FT	259.3 LB	1382.7 LB	1163.6 LB
18 ''	40 ''	1200 in²	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	195.60 LB-FT	222.3 LB	1022.6 LB	856.4 LB
24 ''			99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	252.50 LB-FT	222.3 LB	1156.0 LB	989.8 LB
30 ''			99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	99.2 PSF	78.3 PSF	308.90 LB-FT	222.3 LB	1289.3 LB	1123.2 LB
18 ''	50 ''	1800 in²	58 (85) PSF	67.1 PSF	58 (85) PSF	67.1 PSF	58 (85) PSF	67.1 PSF	58 (85) PSF	67.1 PSF	248.00 LB-FT	281.8 LB	1436.3 LB	1212.8 LB
24 ''			58 (85) PSF	67.1 PSF	58 (85) PSF	67.1 PSF	58 (85) PSF	67.1 PSF	58 (85) PSF	67.1 PSF	320.10 LB-FT	281.8 LB	1605.4 LB	1381.9 LB
30 ''			58 (85) PSF	67.1 PSF	58 (85) PSF	67.1 PSF	58 (78.3) PSF	61.8 PSF	58 (78.3) PSF	61.8 PSF	360.40 LB-FT	259.3 LB	1632.2 LB	1432.8 LB
18 ''	60 ''	2520 in²	36.8 (57) PSF	45.0 PSF	36.8 (57) PSF	45.0 PSF	36.8 (57) PSF	45.0 PSF	36.8 (57) PSF	45.0 PSF	230.40 LB-FT	261.8 LB	1462.2 LB	1265.3 LB
24 ''			36.8 (57) PSF	45.0 PSF	36.8 (57) PSF	45.0 PSF	36.8 (57) PSF	45.0 PSF	36.8 (57) PSF	45.0 PSF	297.40 LB-FT	261.8 LB	1619.3 LB	1422.4 LB
30 ''			36.8 (57) PSF	45.0 PSF	36.8 (57) PSF	45.0 PSF	36.8 (56.4) PSF	44.5 PSF	36.8 (56.4) PSF	44.5 PSF	360.40 LB-FT	259.3 LB	1759.3 LB	1565.0 LB

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 20-1013.03
Expiration Date 01/15/2024
By
Miami–Dade Product Control

30'' STAND DEPTH MINIMUM: MAX FACE AREA (3600in² - 12600in²), FRAME QUANTITY (5-8 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO: MAX FACE AREA : 8 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX FACE AREA : 7 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX FACE AREA : 6 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX FACE AREA : 5 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY — MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
18 ''	30 ''	3600 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	197.4 PSF	155.8 PSF	197.4 PSF	155.8 PSF	169.2 PSF	133.6 PSF	169.2 PSF	133.6 PSF	141.0 PSF	111.3 PSF	141.0 PSF	111.3 PSF	360.40 LB-FT	387.8 LB	1137.3 LB	843.1 LB
24 ''			176.1 PSF	139.0 PSF	176.1 PSF	139.0 PSF	154.0 PSF	121.6 PSF	154.0 PSF	121.6 PSF	132.0 PSF	104.2 PSF	132.0 PSF	104.2 PSF	110.0 PSF	86.8 PSF	110.0 PSF	86.8 PSF	360.40 LB-FT	302.6 LB	1007.2 LB	808.7 LB
30 ''			144.7 PSF	114.3 PSF	144.7 PSF	114.3 PSF	126.6 PSF	100.0 PSF	126.6 PSF	100.0 PSF	108.5 PSF	85.7 PSF	108.5 PSF	85.7 PSF	90.4 PSF	71.4 PSF	90.4 PSF	71.4 PSF	360.40 LB-FT	248.8 LB	925.1 LB	788.4 LB
18 ''	40 ''	6000 in²	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	121.2 PSF	95.6 PSF	121.2 PSF	95.6 PSF	103.9 PSF	82.0 PSF	103.9 PSF	82.0 PSF	86.5 PSF	68.3 PSF	86.5 PSF	68.3 PSF	360.40 LB-FT	387.8 LB	1257.5 LB	981.4 LB
24 ''			108.1 PSF	85.3 PSF	108.1 PSF	85.3 PSF	94.6 PSF	74.6 PSF	94.6 PSF	74.6 PSF	81.0 PSF	64.0 PSF	81.0 PSF	64.0 PSF	67.5 PSF	53.3 PSF	67.5 PSF	53.3 PSF	360.40 LB-FT	302.6 LB	1101.0 LB	916.7 LB
30 ''			88.8 PSF	70.1 PSF	88.8 PSF	70.1 PSF	77.7 PSF	61.4 PSF	77.7 PSF	61.4 PSF	66.6 PSF	52.6 PSF	66.6 PSF	52.6 PSF	55.5 PSF	43.8 PSF	55.5 PSF	43.8 PSF	360.40 LB-FT	248.8 LB	1002.3 LB	877.2 LB
18 ''	50 ''	9000 in²	75 (93.6) PSF	73.9 PSF	75 (93.6) PSF	73.9 PSF	75 (81.9) PSF	64.7 PSF	75 (81.9) PSF	64.7 PSF	70.2 PSF	55.4 PSF	70.2 PSF	55.4 PSF	58.5 PSF	46.2 PSF	58.5 PSF	46.2 PSF	360.40 LB-FT	387.8 LB	1383.2 LB	1116.3 LB
24 ''			73.1 PSF	57.7 PSF	73.1 PSF	57.7 PSF	63.9 PSF	50.4 PSF	63.9 PSF	50.4 PSF	54.8 PSF	43.2 PSF	54.8 PSF	43.2 PSF	45.6 PSF	36.0 PSF	45.6 PSF	36.0 PSF	360.40 LB-FT	302.6 LB	1197.5 LB	1022.0 LB
30 ''			60.1 PSF	47.4 PSF	60.1 PSF	47.4 PSF	52.5 PSF	41.5 PSF	52.5 PSF	41.5 PSF	45.0 PSF	35.5 PSF	45.0 PSF	35.5 PSF	37.5 PSF	29.6 PSF	37.5 PSF	29.6 PSF	360.40 LB-FT	248.8 LB	1081.6 LB	963.8 LB
18 ''	60 ''	12600 in²	48.5 (67.5) PSF	53.3 PSF	48.5 (66.1) PSF	52.2 PSF	48.5 (59) PSF	46.6 PSF	48.5 (57.8) PSF	45.7 PSF	48.5 (50.6) PSF	39.9 PSF	48.5 (49.6) PSF	39.1 PSF	42.2 PSF	33.3 PSF	41.4 PSF	32.6 PSF	360.40 LB-FT	387.8 LB	1508.6 LB	1249.4 LB
24 ''			48.5 (52.7) PSF	41.6 PSF	48.5 (52.7) PSF	41.6 PSF	46.1 PSF	36.4 PSF	46.1 PSF	36.4 PSF	39.5 PSF	31.2 PSF	39.5 PSF	31.2 PSF	32.9 PSF	26.0 PSF	32.9 PSF	26.0 PSF	360.40 LB-FT	302.6 LB	1295.4 LB	1125.9 LB
30 ''			43.3 PSF	34.2 PSF	43.3 PSF	34.2 PSF	37.9 PSF	29.9 PSF	37.9 PSF	29.9 PSF	32.5 PSF	25.6 PSF	32.5 PSF	25.6 PSF	27.0 PSF	21.3 PSF	27.0 PSF	21.3 PSF	360.40 LB-FT	248.8 LB	1162.1 LB	1049.2 LB

DESIGN SCHEDULE NOTES:

1. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
2. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

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ALUMINUM A/C STAND
HVHZ COMPLAINT

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	KL	CL	01/10/07
REV. TELESCOPIC BOLTS	KL	CL	05/03/07
UPDATE PER '07 FBC	TSB	CL	09/30/08
UPDATE PER '10 FBC	CSL	TSB	05/10/12
REV. PER COMMENTS	CSL	TSB	08/16/12
FBC UPDATE	RWN	CSL	07/07/15
REV PER MD COMMENTS	RWN	FLB	05/07/16
REV.- 2017 FBC	RWN	FLB	11/01/17
REV.- 2020 FBC	RWN	FLB	09/20/20

20-26630
SCALE: NTS
PAGE DESCRIPTION:
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"STD" STAND DESIGN SCHEDULE CONTINUED

30" STAND DEPTH MINIMUM: MAX FACE AREA (2880in² - 10080in²), FRAME QUANTITY (4-7 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO								LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY			
			MAX FACE AREA : 7 FRAMES				MAX FACE AREA : 5 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3					
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	7 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE LATERAL LOAD	7 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE UPLIFT	7 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE LATERAL LOAD	7 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE UPLIFT	6 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE LATERAL LOAD	6 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE UPLIFT	6 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE LATERAL LOAD	6 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE UPLIFT	5 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE LATERAL LOAD	5 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE UPLIFT	5 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE LATERAL LOAD	5 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE UPLIFT	4 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE LATERAL LOAD	4 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE UPLIFT	4 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE LATERAL LOAD	4 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE UPLIFT	MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
18 "	30 "	2880 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	176.2 PSF	139.1 PSF	176.2 PSF	139.1 PSF	141.0 PSF	111.3 PSF	141.0 PSF	111.3 PSF	360.40 LB-FT	387.8 LB	1135.4 LB	843.1 LB
24 "			192.6 PSF	152.0 PSF	192.6 PSF	152.0 PSF	165.1 PSF	130.3 PSF	165.1 PSF	130.3 PSF	137.5 PSF	108.6 PSF	137.5 PSF	108.6 PSF	110.0 PSF	86.8 PSF	110.0 PSF	86.8 PSF	360.40 LB-FT	302.6 LB	1008.4 LB	808.7 LB
30 "			158.3 PSF	125.0 PSF	158.3 PSF	125.0 PSF	135.7 PSF	107.1 PSF	135.7 PSF	107.1 PSF	113.1 PSF	89.3 PSF	113.1 PSF	89.3 PSF	90.4 PSF	71.4 PSF	90.4 PSF	71.4 PSF	360.40 LB-FT	248.8 LB	926.3 LB	788.4 LB
18 "	40 "	4800 in²	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	108.2 PSF	85.4 PSF	108.2 PSF	85.4 PSF	86.5 PSF	68.3 PSF	86.5 PSF	68.3 PSF	360.40 LB-FT	387.8 LB	1255.6 LB	981.4 LB
24 "			118.2 PSF	93.3 PSF	118.2 PSF	93.3 PSF	101.3 PSF	80.0 PSF	101.3 PSF	80.0 PSF	84.4 PSF	66.6 PSF	84.4 PSF	66.6 PSF	67.5 PSF	53.3 PSF	67.5 PSF	53.3 PSF	360.40 LB-FT	302.6 LB	1102.2 LB	916.7 LB
30 "			97.2 PSF	76.7 PSF	97.2 PSF	76.7 PSF	83.3 PSF	65.7 PSF	83.3 PSF	65.7 PSF	69.4 PSF	54.8 PSF	69.4 PSF	54.8 PSF	55.5 PSF	43.8 PSF	55.5 PSF	43.8 PSF	360.40 LB-FT	248.8 LB	1003.5 LB	877.2 LB
18 "	50 "	7200 in²	75 (102.4) PSF	80.8 PSF	75 (102.4) PSF	80.8 PSF	75 (87.8) PSF	69.3 PSF	75 (87.8) PSF	69.3 PSF	73.1 PSF	57.7 PSF	73.1 PSF	57.7 PSF	58.5 PSF	46.2 PSF	58.5 PSF	46.2 PSF	360.40 LB-FT	387.8 LB	1384.4 LB	1116.3 LB
24 "			75 (79.9) PSF	63.1 PSF	75 (79.9) PSF	63.1 PSF	68.5 PSF	54.1 PSF	68.5 PSF	54.1 PSF	57.1 PSF	45.0 PSF	57.1 PSF	45.0 PSF	45.6 PSF	36.0 PSF	45.6 PSF	36.0 PSF	360.40 LB-FT	302.6 LB	1198.7 LB	1022.0 LB
30 "			65.7 PSF	51.8 PSF	65.7 PSF	51.8 PSF	56.3 PSF	44.4 PSF	56.3 PSF	44.4 PSF	46.9 PSF	37.0 PSF	46.9 PSF	37.0 PSF	37.5 PSF	29.6 PSF	37.5 PSF	29.6 PSF	360.40 LB-FT	248.8 LB	1082.8 LB	963.8 LB
18 "	60 "	10080 in²	48.5 (73.8) PSF	58.3 PSF	48.5 (72.3) PSF	57.0 PSF	48.5 (63.3) PSF	49.9 PSF	48.5 (62) PSF	48.9 PSF	48.5 (52.7) PSF	41.6 PSF	48.5 (51.7) PSF	40.8 PSF	42.2 PSF	33.3 PSF	41.4 PSF	32.6 PSF	360.40 LB-FT	387.8 LB	1509.8 LB	1249.4 LB
24 "			48.5 (57.6) PSF	45.5 PSF	48.5 (57.6) PSF	45.5 PSF	48.5 (49.4) PSF	39.0 PSF	48.5 (49.4) PSF	39.0 PSF	41.1 PSF	32.5 PSF	41.1 PSF	32.5 PSF	32.9 PSF	26.0 PSF	32.9 PSF	26.0 PSF	360.40 LB-FT	302.6 LB	1296.6 LB	1125.9 LB
30 "			47.4 PSF	37.4 PSF	47.4 PSF	37.4 PSF	40.6 PSF	32.0 PSF	40.6 PSF	32.0 PSF	33.8 PSF	26.7 PSF	33.8 PSF	26.7 PSF	27.0 PSF	21.3 PSF	27.0 PSF	21.3 PSF	360.40 LB-FT	248.8 LB	1163.3 LB	1049.2 LB

(UNIT TO FRAME RATIO columns; LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY: MAX. BASE MOMENT (M), MAX. BASE SHEAR (V), MAX. BASE UPLIFT (T), MAX. BASE GRAVITY (C))

30" STAND DEPTH MINIMUM: MAX FACE AREA (2160in² - 7560in²), FRAME QUANTITY (3-6 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	6 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE LATERAL LOAD	6 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE UPLIFT	6 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE LATERAL LOAD	6 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE UPLIFT	5 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE LATERAL LOAD	5 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE UPLIFT	5 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE LATERAL LOAD	5 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE UPLIFT	4 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE LATERAL LOAD	4 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE UPLIFT	4 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE LATERAL LOAD	4 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE UPLIFT	3 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE LATERAL LOAD	3 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE UPLIFT	3 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE LATERAL LOAD	3 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE UPLIFT	MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
18 "	30 "	2160 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	188.0 PSF	148.4 PSF	188.0 PSF	148.4 PSF	141.0 PSF	111.3 PSF	141.0 PSF	111.3 PSF	360.40 LB-FT	387.8 LB	1136.5 LB	843.1 LB
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	183.4 PSF	144.8 PSF	183.4 PSF	144.8 PSF	146.7 PSF	115.8 PSF	146.7 PSF	115.8 PSF	110.0 PSF	86.8 PSF	110.0 PSF	86.8 PSF	360.40 LB-FT	302.6 LB	1007.8 LB	808.7 LB
30 "			180.9 PSF	142.8 PSF	180.9 PSF	142.8 PSF	150.8 PSF	119.0 PSF	150.8 PSF	119.0 PSF	120.6 PSF	95.2 PSF	120.6 PSF	95.2 PSF	90.4 PSF	71.4 PSF	90.4 PSF	71.4 PSF	360.40 LB-FT	248.8 LB	927.9 LB	788.4 LB
18 "	40 "	3600 in²	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	115.4 PSF	91.1 PSF	115.4 PSF	91.1 PSF	86.5 PSF	68.3 PSF	86.5 PSF	68.3 PSF	360.40 LB-FT	387.8 LB	1256.7 LB	981.4 LB
24 "			125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	112.6 PSF	88.9 PSF	112.6 PSF	88.9 PSF	90.1 PSF	71.1 PSF	90.1 PSF	71.1 PSF	67.5 PSF	53.3 PSF	67.5 PSF	53.3 PSF	360.40 LB-FT	302.6 LB	1101.6 LB	916.7 LB
30 "			111.1 PSF	87.7 PSF	111.1 PSF	87.7 PSF	92.5 PSF	73.1 PSF	92.5 PSF	73.1 PSF	74.0 PSF	58.4 PSF	74.0 PSF	58.4 PSF	55.5 PSF	43.8 PSF	55.5 PSF	43.8 PSF	360.40 LB-FT	248.8 LB	1005.1 LB	877.2 LB
18 "	50 "	5400 in²	75 (114.7) PSF	92.4 PSF	75 (114.7) PSF	92.4 PSF	75 (97.5) PSF	77.0 PSF	75 (97.5) PSF	77.0 PSF	75 (78) PSF	61.6 PSF	75 (78) PSF	61.6 PSF	58.5 PSF	46.2 PSF	58.5 PSF	46.2 PSF	360.40 LB-FT	387.8 LB	1386.0 LB	1116.3 LB
24 "			75 (91.3) PSF	72.1 PSF	75 (91.3) PSF	72.1 PSF	75 (76.1) PSF	60.1 PSF	75 (76.1) PSF	60.1 PSF	60.9 PSF	48.0 PSF	60.9 PSF	48.0 PSF	45.6 PSF	36.0 PSF	45.6 PSF	36.0 PSF	360.40 LB-FT	302.6 LB	1200.3 LB	1022.0 LB
30 "			75 (75.1) PSF	59.3 PSF	75 (75.1) PSF	59.3 PSF	62.6 PSF	49.4 PSF	62.6 PSF	49.4 PSF	50.0 PSF	39.5 PSF	50.0 PSF	39.5 PSF	37.5 PSF	29.6 PSF	37.5 PSF	29.6 PSF	360.40 LB-FT	248.8 LB	1084.4 LB	963.8 LB
18 "	60 "	7560 in²	48.5 (84.4) PSF	66.6 PSF	48.5 (82.6) PSF	65.2 PSF	48.5 (70.3) PSF	55.5 PSF	48.5 (68.8) PSF	54.3 PSF	48.5 (56.2) PSF	44.4 PSF	48.5 (55.1) PSF	43.5 PSF	42.2 PSF	33.3 PSF	41.4 PSF	32.6 PSF	360.40 LB-FT	387.8 LB	1511.4 LB	1249.4 LB
24 "			48.5 (65.8) PSF	52.0 PSF	48.5 (65.8) PSF	52.0 PSF	48.5 (54.9) PSF	43.3 PSF	48.5 (54.9) PSF	43.3 PSF	43.9 PSF	34.6 PSF	43.9 PSF	34.6 PSF	32.9 PSF	26.0 PSF	32.9 PSF	26.0 PSF	360.40 LB-FT	302.6 LB	1298.2 LB	1125.9 LB
30 "			48.5 (54.1) PSF	42.7 PSF	48.5 (54.1) PSF	42.7 PSF	45.1 PSF	35.6 PSF	45.1 PSF	35.6 PSF	36.1 PSF	28.5 PSF	36.1 PSF	28.5 PSF	27.0 PSF	21.3 PSF	27.0 PSF	21.3 PSF	360.40 LB-FT	248.8 LB	1164.9 LB	1049.2 LB

(UNIT TO FRAME RATIO columns; LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY: MAX. BASE MOMENT (M), MAX. BASE SHEAR (V), MAX. BASE UPLIFT (T), MAX. BASE GRAVITY (C))

30" STAND DEPTH MINIMUM: MAX FACE AREA (1440in² - 5040in²), FRAME QUANTITY (2-5 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	5 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE LATERAL LOAD	5 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE UPLIFT	5 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE LATERAL LOAD	5 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE UPLIFT	4 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE LATERAL LOAD	4 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE UPLIFT	4 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE LATERAL LOAD	4 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE UPLIFT	3 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE LATERAL LOAD	3 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE UPLIFT	3 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE LATERAL LOAD	3 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE UPLIFT	2 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE LATERAL LOAD	2 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE UPLIFT	2 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE LATERAL LOAD	2 FRAMES, ANCHORS TYPE: 2 OR 3, MAX ALLOWABLE UPLIFT	MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
18 "	30 "	1440 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	141.0 PSF	111.3 PSF	141.0 PSF	111.3 PSF	360.40 LB-FT	387.8 LB	1130.9 LB	843.1 LB
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	165.1 PSF	130.3 PSF	165.1 PSF	130.3 PSF	110.0 PSF	86.8 PSF	110.0 PSF	86.8 PSF	360.40 LB-FT	302.6 LB	1006.3 LB	808.7 LB
30 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	180.9 PSF	142.8 PSF	180.9 PSF	142.8 PSF	135.7 PSF	107.1 PSF	135.7 PSF	107.1 PSF	90.4 PSF	71.4 PSF	90.4 PSF	71.4 PSF	360.40 LB-FT	248.8 LB	927.9 LB	788.4 LB
18 "	40 "	2400 in²	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	86.5 PSF	68.3 PSF	86.5 PSF	68.3 PSF	360.40 LB-FT	387.8 LB	1251.1 LB	981.4 LB
24 "			125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	101.3 PSF	80.0 PSF	101.3 PSF	80.0 PSF	67.5 PSF	53.3 PSF	67.5 PSF	53.3 PSF	360.40 LB-FT	302.6 LB	1100.1 LB	916.7 LB
30 "			125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	111.1 PSF	87.7 PSF	111.1 PSF	87.7 PSF	83.3 PSF	65.7 PSF	83.3 PSF	65.7 PSF	55.5 PSF	43.8 PSF	55.5 PSF	43.8 PSF	360.40 LB-FT	248.8 LB	1005.1 LB	877.2 LB
18 "	50 "	3600 in²	75 (114.7) PSF	115.5 PSF	75 (114.7) PSF	115.5 PSF	75 (114.7) PSF	92.4 PSF	75 (114.7) PSF	92.4 PSF	75 (87.8) PSF	69.3 PSF	75 (87.8) PSF	69.3 PSF	58.5 PSF	46.2 PSF	58.5 PSF	46.2 PSF	360.40 LB-FT	387.8 LB	1388.2 LB	1116.3 LB
24 "			75 (114.2) PSF	90.1 PSF	75 (114.2) PSF	90.1 PSF	75 (91.3) PSF	72.1 PSF	75 (91.3) PSF	72.1 PSF	68.5 PSF	54.1 PSF	68.5 PSF	54.1 PSF	45.6 PSF	36.0 PSF	45.6 PSF	36.0 PSF	360.40 LB-FT	302.6 LB	1202.6 LB	1022.0 LB
30 "			75 (93.9) PSF	74.1 PSF	75 (93.9) PSF	74.1 PSF	75 (75.1) PSF	59.3 PSF	75 (75.1) PSF	59.3 PSF	56.3 PSF	44.4 PSF	56.3 PSF	44.4 PSF	37.5 PSF	29.6 PSF	37.5 PSF	29.6 PSF	360.40 LB-FT	248.8 LB	1086.7 LB	963.8 LB
18 "	60 "	5040 in²	48.5 (88.2) PSF	76.1 PSF	48.5 (88.2) PSF	76.1 PSF	48.5 (84.4) PSF	66.6 PSF	48.5 (82.6) PSF	65.2 PSF	48.5 (63.3) PSF	49.9 PSF	48.5 (62) PSF	48.9 PSF	42.2 PSF	33.3 PSF	41.4 PSF	32.6 PSF	360.40 LB-FT	387.8 LB	1511.4 LB	1249.4 LB
24 "			48.5 (82.3) PSF	65.0 PSF	48.5 (82.3) PSF	65.0 PSF	48.5 (65.8) PSF	52.0 PSF	48.5 (65.8) PSF	52.0 PSF	48.5 (49.4) PSF	39.0 PSF	48.5 (49.4) PSF	39.0 PSF	32.9 PSF	26.0 PSF	32.9 PSF	26.0 PSF	360.40 LB-FT	302.6 LB	1300.5 LB	1125.9 LB
30 "			48.5 (67.7) PSF	53.4 PSF	48.5 (67.7) PSF	53.4 PSF	48.5 (54.1) PSF	42.7 PSF	48.5 (54.1) PSF	42.7 PSF	40.6 PSF	32.0 PSF	40.6 PSF	32.0 PSF	27.0 PSF	21.3 PSF	27.0 PSF	21.3 PSF	360.40 LB-FT	248.8 LB	1167.1 LB	1049.2 LB

(UNIT TO FRAME RATIO columns; LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY: MAX. BASE MOMENT (M), MAX. BASE SHEAR (V), MAX. BASE UPLIFT (T), MAX. BASE GRAVITY (C))

30" STAND DEPTH MINIMUM: MAX FACE AREA (720in² - 2520in²), FRAME QUANTITY (2-3 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	3 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE LATERAL LOAD	3 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE UPLIFT	3 FRAMES, ANCHOR TYPE: 2 OR 3, MAX ALLOWABLE LATERAL LOAD	3 FRAMES, ANCHOR TYPE: 2 OR 3, MAX ALLOWABLE UPLIFT	2 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE LATERAL LOAD	2 FRAMES, ANCHOR TYPE: 1 OR 4, MAX ALLOWABLE UPLIFT	2 FRAMES, ANCHOR TYPE: 2 OR 3, MAX ALLOWABLE LATERAL LOAD	2 FRAMES, ANCHOR TYPE: 2 OR 3, MAX ALLOWABLE UPLIFT	MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
18 "	30 "	720 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	255.50 LB-FT	274.9 LB	806.6 LB	569.6 LB
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	327.40 LB-FT	274.9 LB	916.6 LB	679.6 LB
30 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	180.9 PSF	142.8 PSF	180.9 PSF	142.8 PSF	360.40 LB-FT	248.8 LB	927.9 LB	720.9 LB
18 "	40 "	1200 in²	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	260.20 LB-FT	279.9 LB	908.2 LB	678.5 LB
24 "			125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	333.40 LB-FT	279.9 LB	1020.2 LB	790.5 LB
30 "			125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	111.1 PSF	87.7 PSF	111.1 PSF	87.7 PSF	360.40 LB-FT	248.8 LB	1005.1 LB	809.7 LB
18 "	50 "	1800 in²	75 (114.7) PSF	118.1 PSF	75 (114.7) PSF	118.1 PSF	75 (114.7) PSF	92.4 PSF	75 (114.7) PSF	92.4 PSF	360.40 LB-FT	387.8 LB	1386.0 LB	1048.8 LB
24 "			75 (114.7) PSF	108.2 PSF	75 (114.7) PSF	108.2 PSF	75 (91.3) PSF	72.1 PSF	75 (91.3) PSF	72.1 PSF	360.40 LB-FT	302.6 LB	1204.1 LB	954.5 LB
30 "			75 (112.6) PSF	88.9 PSF	75 (112.6) PSF	88.9 PSF	75 (75.1) PSF	59.3 PSF	75 (75.1) PSF	59.3 PSF	360.40 LB-FT	248.8 LB	1088.2 LB	896.3 LB
18 "	60 "	2520 in²	48.5 (88.2) PSF	76.1 PSF	48.5 (88.2) PSF	76.1 PSF	48.5 (84.4) PSF	66.6 PSF	48.5 (82.6) PSF	65.2 PSF	360.40 LB-FT	387.8 LB	1511.4 LB	1181.9 LB
24 "			48.5 (88.2) PSF	76.1 PSF	48.5 (88.2) PSF	76.1 PSF	48.5 (65.8) PSF	52.0 PSF	48.5 (65.8) PSF	52.0 PSF	360.40 LB-FT	302.6 LB	1298.2 LB	1058.4 LB
30 "			48.5 (81.2) PSF	64.1 PSF	48.5 (81.2) PSF	64.1 PSF	48.5 (54.1) PSF	42.7 PSF	48.5 (54.1) PSF	42.7 PSF	360.40 LB-FT	248.8 LB	1168.6 LB	981.7 LB

(UNIT TO FRAME RATIO columns; LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY: MAX. BASE MOMENT (M), MAX. BASE SHEAR (V), MAX. BASE UPLIFT (T), MAX. BASE GRAVITY (C))

DESIGN SCHEDULE NOTES:

1. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
2. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 20-1013.03
Expiration Date 01/15/2024
By [signature]
Miami-Dade Product Control

FRANK L. BENNARDO, P.E.
PE0046549 CA#9885

09/25/2020

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ALUMINUM A/C STAND
HVHZ COMPLAINT

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	KL	CL	01/10/07
REV. TELESCOPIC BOLTS	KL	CL	05/03/07
UPDATE PER '07 FBC	TSB	CL	09/30/08
UPDATE PER '10 FBC	CSL	TSB	05/10/12
REV. PER COMMENTS	CSL	TSB	08/16/12
FBC UPDATE	RWN	CSL	07/07/15
REV PER MD COMMENTS	RWN	FLB	05/07/16
REV - 2017 FBC	RWN	FLB	11/01/17
REV - 2020 FBC	RWN	FLB	09/20/20

20-26630

SCALE: NTS

PAGE DESCRIPTION:

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"HD" STAND DESIGN SCHEDULE

36" STAND DEPTH MINIMUM: MAX FACE AREA (3600in² - 12600in²), FRAME QUANTITY (5-8 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO — MAX FACE AREA : 8 FRAMES				MAX FACE AREA : 7 FRAMES				MAX FACE AREA : 6 FRAMES				MAX FACE AREA : 5 FRAMES				LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY			
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
18 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	197.6 PSF	156.0 PSF	197.6 PSF	156.0 PSF	169.4 PSF	133.7 PSF	169.4 PSF	133.7 PSF	141.1 PSF	111.4 PSF	141.1 PSF	111.4 PSF	360.40 LB-FT	388.2 LB	983.3 LB	688.6 LB
24 "	30 "	3600 in²	176.2 PSF	139.1 PSF	176.2 PSF	139.1 PSF	154.2 PSF	121.7 PSF	154.2 PSF	121.7 PSF	132.2 PSF	104.3 PSF	132.2 PSF	104.3 PSF	110.1 PSF	86.9 PSF	110.1 PSF	86.9 PSF	360.40 LB-FT	302.9 LB	866.8 LB	668.0 LB
30 "			144.9 PSF	114.4 PSF	144.9 PSF	114.4 PSF	126.8 PSF	100.1 PSF	126.8 PSF	100.1 PSF	108.6 PSF	85.8 PSF	108.6 PSF	85.8 PSF	90.5 PSF	71.5 PSF	90.5 PSF	71.5 PSF	360.40 LB-FT	249.0 LB	793.1 LB	656.2 LB
18 "			125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	121.3 PSF	95.8 PSF	121.3 PSF	95.8 PSF	104.0 PSF	82.1 PSF	104.0 PSF	82.1 PSF	86.6 PSF	68.4 PSF	86.6 PSF	68.4 PSF	360.40 LB-FT	388.2 LB	1082.1 LB	805.5 LB
24 "	40 "	6000 in²	108.2 PSF	85.4 PSF	108.2 PSF	85.4 PSF	94.7 PSF	74.7 PSF	94.7 PSF	74.7 PSF	81.1 PSF	64.0 PSF	81.1 PSF	64.0 PSF	67.6 PSF	53.4 PSF	67.6 PSF	53.4 PSF	360.40 LB-FT	302.9 LB	943.9 LB	759.2 LB
30 "			88.9 PSF	70.2 PSF	88.9 PSF	70.2 PSF	77.8 PSF	61.4 PSF	77.8 PSF	61.4 PSF	66.7 PSF	52.6 PSF	66.7 PSF	52.6 PSF	55.6 PSF	43.9 PSF	55.6 PSF	43.9 PSF	360.40 LB-FT	249.0 LB	856.5 LB	731.2 LB
18 "			83.1 (93.7) PSF	74.0 PSF	83.1 (93.7) PSF	74.0 PSF	82.0 PSF	64.7 PSF	82.0 PSF	64.7 PSF	70.3 PSF	55.5 PSF	70.3 PSF	55.5 PSF	58.6 PSF	46.2 PSF	58.6 PSF	46.2 PSF	360.40 LB-FT	388.2 LB	1186.3 LB	919.0 LB
24 "	50 "	9000 in²	73.1 PSF	57.7 PSF	73.1 PSF	57.7 PSF	64.0 PSF	50.5 PSF	64.0 PSF	50.5 PSF	54.8 PSF	43.3 PSF	54.8 PSF	43.3 PSF	45.7 PSF	36.1 PSF	45.7 PSF	36.1 PSF	360.40 LB-FT	302.9 LB	1023.7 LB	847.8 LB
30 "			60.1 PSF	47.4 PSF	60.1 PSF	47.4 PSF	52.6 PSF	41.5 PSF	52.6 PSF	41.5 PSF	45.1 PSF	35.6 PSF	45.1 PSF	35.6 PSF	37.5 PSF	29.6 PSF	37.5 PSF	29.6 PSF	360.40 LB-FT	249.0 LB	922.1 LB	804.0 LB
18 "			54.2 (67.6) PSF	53.3 PSF	54.2 (67.6) PSF	53.3 PSF	54.2 (59.1) PSF	46.7 PSF	54.2 (59.1) PSF	46.7 PSF	50.7 PSF	40.0 PSF	50.7 PSF	40.0 PSF	42.2 PSF	33.3 PSF	42.2 PSF	33.3 PSF	360.40 LB-FT	388.2 LB	1290.3 LB	1030.7 LB
24 "	60 "	12600 in²	52.7 PSF	41.6 PSF	52.7 PSF	41.6 PSF	46.1 PSF	36.4 PSF	46.1 PSF	36.4 PSF	39.5 PSF	31.2 PSF	39.5 PSF	31.2 PSF	32.9 PSF	26.0 PSF	32.9 PSF	26.0 PSF	360.40 LB-FT	302.9 LB	1104.8 LB	935.0 LB
30 "			43.3 PSF	34.2 PSF	43.3 PSF	34.2 PSF	37.9 PSF	29.9 PSF	37.9 PSF	29.9 PSF	32.5 PSF	25.6 PSF	32.5 PSF	25.6 PSF	27.1 PSF	21.4 PSF	27.1 PSF	21.4 PSF	360.40 LB-FT	249.0 LB	988.8 LB	875.6 LB

36" STAND DEPTH MINIMUM: MAX FACE AREA (2880in² - 10080in²), FRAME QUANTITY (4-7 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO — MAX FACE AREA : 7 FRAMES				MAX FACE AREA : 6 FRAMES				MAX FACE AREA : 5 FRAMES				MAX FACE AREA : 4 FRAMES				LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY			
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
18 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	176.4 PSF	139.3 PSF	176.4 PSF	139.3 PSF	141.1 PSF	111.4 PSF	141.1 PSF	111.4 PSF	360.40 LB-FT	388.2 LB	981.4 LB	688.6 LB
24 "	30 "	2880 in²	192.8 PSF	152.2 PSF	192.8 PSF	152.2 PSF	165.2 PSF	130.4 PSF	165.2 PSF	130.4 PSF	137.7 PSF	108.7 PSF	137.7 PSF	108.7 PSF	110.1 PSF	86.9 PSF	110.1 PSF	86.9 PSF	360.40 LB-FT	302.9 LB	868.0 LB	668.0 LB
30 "			158.5 PSF	125.1 PSF	158.5 PSF	125.1 PSF	135.8 PSF	107.2 PSF	135.8 PSF	107.2 PSF	113.2 PSF	89.3 PSF	113.2 PSF	89.3 PSF	90.5 PSF	71.5 PSF	90.5 PSF	71.5 PSF	360.40 LB-FT	249.0 LB	794.3 LB	656.2 LB
18 "			125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	108.3 PSF	85.5 PSF	108.3 PSF	85.5 PSF	86.6 PSF	68.4 PSF	86.6 PSF	68.4 PSF	360.40 LB-FT	388.2 LB	1080.2 LB	805.5 LB
24 "	40 "	4800 in²	118.3 PSF	93.4 PSF	118.3 PSF	93.4 PSF	101.4 PSF	80.1 PSF	101.4 PSF	80.1 PSF	84.5 PSF	66.7 PSF	84.5 PSF	66.7 PSF	67.6 PSF	53.4 PSF	67.6 PSF	53.4 PSF	360.40 LB-FT	302.9 LB	945.1 LB	759.2 LB
30 "			97.3 PSF	76.8 PSF	97.3 PSF	76.8 PSF	83.4 PSF	65.8 PSF	83.4 PSF	65.8 PSF	69.5 PSF	54.8 PSF	69.5 PSF	54.8 PSF	55.6 PSF	43.9 PSF	55.6 PSF	43.9 PSF	360.40 LB-FT	249.0 LB	857.7 LB	731.2 LB
18 "			83.1 (102.5) PSF	80.9 PSF	83.1 (102.5) PSF	80.9 PSF	83.1 (87.9) PSF	69.4 PSF	83.1 (87.9) PSF	69.4 PSF	73.2 PSF	57.8 PSF	73.2 PSF	57.8 PSF	58.6 PSF	46.2 PSF	58.6 PSF	46.2 PSF	360.40 LB-FT	388.2 LB	1187.5 LB	919.0 LB
24 "	50 "	7200 in²	80.0 PSF	63.1 PSF	80.0 PSF	63.1 PSF	68.6 PSF	54.1 PSF	68.6 PSF	54.1 PSF	57.1 PSF	45.1 PSF	57.1 PSF	45.1 PSF	45.7 PSF	36.1 PSF	45.7 PSF	36.1 PSF	360.40 LB-FT	302.9 LB	1024.9 LB	847.8 LB
30 "			65.7 PSF	51.9 PSF	65.7 PSF	51.9 PSF	56.3 PSF	44.5 PSF	56.3 PSF	44.5 PSF	46.9 PSF	37.1 PSF	46.9 PSF	37.1 PSF	37.5 PSF	29.6 PSF	37.5 PSF	29.6 PSF	360.40 LB-FT	249.0 LB	923.3 LB	804.0 LB
18 "			54.2 (73.9) PSF	58.3 PSF	54.2 (73.9) PSF	58.3 PSF	54.2 (63.3) PSF	50.0 PSF	54.2 (63.3) PSF	50.0 PSF	52.8 PSF	41.7 PSF	52.8 PSF	41.7 PSF	42.2 PSF	33.3 PSF	42.2 PSF	33.3 PSF	360.40 LB-FT	388.2 LB	1291.5 LB	1030.7 LB
24 "	60 "	10080 in²	54.2 (57.7) PSF	45.5 PSF	54.2 (57.7) PSF	45.5 PSF	49.4 PSF	39.0 PSF	49.4 PSF	39.0 PSF	41.2 PSF	32.5 PSF	41.2 PSF	32.5 PSF	32.9 PSF	26.0 PSF	32.9 PSF	26.0 PSF	360.40 LB-FT	302.9 LB	1106.0 LB	935.0 LB
30 "			47.4 PSF	37.4 PSF	47.4 PSF	37.4 PSF	40.6 PSF	32.1 PSF	40.6 PSF	32.1 PSF	33.8 PSF	26.7 PSF	33.8 PSF	26.7 PSF	27.1 PSF	21.4 PSF	27.1 PSF	21.4 PSF	360.40 LB-FT	249.0 LB	990.0 LB	875.6 LB

36" STAND DEPTH MINIMUM: MAX FACE AREA (2160in² - 7560in²), FRAME QUANTITY (3-6 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO — MAX FACE AREA : 6 FRAMES				MAX FACE AREA : 5 FRAMES				MAX FACE AREA : 4 FRAMES				MAX FACE AREA : 3 FRAMES				LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY			
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
18 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	188.2 PSF	148.6 PSF	188.2 PSF	148.6 PSF	141.1 PSF	111.4 PSF	141.1 PSF	111.4 PSF	360.40 LB-FT	388.2 LB	982.5 LB	688.6 LB
24 "	30 "	2160 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	183.6 PSF	144.9 PSF	183.6 PSF	144.9 PSF	146.9 PSF	115.9 PSF	146.9 PSF	115.9 PSF	110.1 PSF	86.9 PSF	110.1 PSF	86.9 PSF	360.40 LB-FT	302.9 LB	867.4 LB	668.0 LB
30 "			181.1 PSF	143.0 PSF	181.1 PSF	143.0 PSF	150.9 PSF	119.1 PSF	150.9 PSF	119.1 PSF	120.7 PSF	95.3 PSF	120.7 PSF	95.3 PSF	90.5 PSF	71.5 PSF	90.5 PSF	71.5 PSF	360.40 LB-FT	249.0 LB	795.9 LB	656.2 LB
18 "			125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	115.5 PSF	91.2 PSF	115.5 PSF	91.2 PSF	86.6 PSF	68.4 PSF	86.6 PSF	68.4 PSF	360.40 LB-FT	388.2 LB	1081.3 LB	805.5 LB
24 "	40 "	3600 in²	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	112.7 PSF	89.0 PSF	112.7 PSF	89.0 PSF	90.1 PSF	71.2 PSF	90.1 PSF	71.2 PSF	67.6 PSF	53.4 PSF	67.6 PSF	53.4 PSF	360.40 LB-FT	302.9 LB	944.5 LB	759.2 LB
30 "			111.2 PSF	87.8 PSF	111.2 PSF	87.8 PSF	92.6 PSF	73.1 PSF	92.6 PSF	73.1 PSF	74.1 PSF	58.5 PSF	74.1 PSF	58.5 PSF	55.6 PSF	43.9 PSF	55.6 PSF	43.9 PSF	360.40 LB-FT	249.0 LB	859.3 LB	731.2 LB
18 "			83.1 (117.2) PSF	92.5 PSF	83.1 (117.2) PSF	92.5 PSF	83.1 (97.6) PSF	77.1 PSF	83.1 (97.6) PSF	77.1 PSF	78.1 PSF	61.6 PSF	78.1 PSF	61.6 PSF	58.6 PSF	46.2 PSF	58.6 PSF	46.2 PSF	360.40 LB-FT	388.2 LB	1189.1 LB	919.0 LB
24 "	50 "	5400 in²	83.1 (91.4) PSF	72.2 PSF	83.1 (91.4) PSF	72.2 PSF	76.2 PSF	60.1 PSF	76.2 PSF	60.1 PSF	60.9 PSF	48.1 PSF	60.9 PSF	48.1 PSF	45.7 PSF	36.1 PSF	45.7 PSF	36.1 PSF	360.40 LB-FT	302.9 LB	1026.5 LB	847.8 LB
30 "			75.1 PSF	59.3 PSF	75.1 PSF	59.3 PSF	62.6 PSF	49.4 PSF	62.6 PSF	49.4 PSF	50.1 PSF	39.5 PSF	50.1 PSF	39.5 PSF	37.5 PSF	29.6 PSF	37.5 PSF	29.6 PSF	360.40 LB-FT	249.0 LB	924.9 LB	804.0 LB
18 "			54.2 (84.5) PSF	66.7 PSF	54.2 (84.5) PSF	66.7 PSF	54.2 (70.4) PSF	55.6 PSF	54.2 (70.4) PSF	55.6 PSF	54.2 (56.3) PSF	44.4 PSF	54.2 (56.3) PSF	44.4 PSF	42.2 PSF	33.3 PSF	42.2 PSF	33.3 PSF	360.40 LB-FT	388.2 LB	1293.1 LB	1030.7 LB
24 "	60 "	7560 in²	54.2 (65.9) PSF	52.0 PSF	54.2 (65.9) PSF	52.0 PSF	54.2 (54.9) PSF	43.3 PSF	54.2 (54.9) PSF	43.3 PSF	43.9 PSF	34.7 PSF	43.9 PSF	34.7 PSF	32.9 PSF	26.0 PSF	32.9 PSF	26.0 PSF	360.40 LB-FT	302.9 LB	1107.6 LB	935.0 LB
30 "			54.2 (54.2) PSF	42.8 PSF	54.2 (54.2) PSF	42.8 PSF	45.1 PSF	35.6 PSF	45.1 PSF	35.6 PSF	36.1 PSF	28.5 PSF	36.1 PSF	28.5 PSF	27.1 PSF	21.4 PSF	27.1 PSF	21.4 PSF	360.40 LB-FT	249.0 LB	991.6 LB	875.6 LB

36" STAND DEPTH MINIMUM: MAX FACE AREA (1440in² - 5040in²), FRAME QUANTITY (2-5 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO — MAX FACE AREA : 5 FRAMES				MAX FACE AREA : 4 FRAMES				MAX FACE AREA : 3 FRAMES				MAX FACE AREA : 2 FRAMES				LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY			
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
18 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	141.1 PSF	111.4 PSF	141.1 PSF	111.4 PSF	360.40 LB-FT	388.2 LB	976.9 LB	688.6 LB
24 "	30 "	1440 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	165.2 PSF	130.4 PSF	165.2 PSF	130.4 PSF	110.1 PSF	86.9 PSF	110.1 PSF	86.9 PSF	360.40 LB-FT	302.9 LB	865.9 LB	668.0 LB
30 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	181.1 PSF	143.0 PSF	181.1 PSF	143.0 PSF	135.8 PSF	107.2 PSF	135.8 PSF	107.2 PSF	90.5 PSF	71.5 PSF	90.5 PSF	71.5 PSF	360.40 LB-FT	249.0 LB	795.9 LB	656.2 LB
18 "			125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	86.6 PSF	68.4 PSF	86.6 PSF	68.4 PSF	360.40 LB-FT	388.2 LB	1075.7 LB	805.5 LB
24 "	40 "	2400 in²	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	101.4 PSF	80.1 PSF	101.4 PSF	80.1 PSF	67.6 PSF	53.4 PSF	67.6 PSF	53.4 PSF	360.40 LB-FT	302.9 LB	943.0 LB	759.2 LB
30 "			125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	111.2 PSF	87.8 PSF	111.2 PSF	87.8 PSF	83.4 PSF	65.8 PSF	83.4 PSF	65.8 PSF	55.6 PSF	43.9 PSF	55.6 PSF	43.9 PSF	360.40 LB-FT	249.0 LB	859.3 LB	731.2 LB
18 "			83.1 (122.8) PSF	115.6 PSF	83.1 (122.8) PSF	115.6 PSF	83.1 (117.2) PSF	92.5 PSF	83.1 (117.2) PSF	92.5 PSF	83.1 (87.9) PSF	69.4 PSF	83.1 (87.9) PSF	69.4 PSF	58.6 PSF	46.2 PSF	58.6 PSF	46.2 PSF	360.40 LB-FT	388.2 LB	1191.4 LB	919.0 LB
24 "	50 "	3600 in²	83.1 (114.3) PSF	90.2 PSF	83.1 (114.3) PSF	90.2 PSF	83.1 (91.4) PSF	72.2 PSF	83.1 (91.4) PSF	72.2 PSF	68.6 PSF	54.1 PSF	68.6 PSF	54.1 PSF	45.7 PSF	36.1 PSF	45.7 PSF	36.1 PSF	360.40 LB-FT	302.9 LB	1028.7 LB	847.8 LB
30 "			83.1 (93.9) PSF	74.2 PSF	83.1 (93.9) PSF	74.2 PSF	75.1 PSF	59.3 PSF	75.1 PSF	59.3 PSF	56.3 PSF	44.5 PSF	56.3 PSF	44.5 PSF	37.5 PSF	29.6 PSF	37.5 PSF	29.6 PSF	360.40 LB-FT	249.0 LB	927.1 LB	804.0 LB
18 "			54.2 (93.9) PSF	83.4 PSF	54.2 (93.9) PSF	83.4 PSF	54.2 (84.5) PSF	66.7 PSF	54.2 (84.5) PSF	66.7 PSF	54.2 (63.3) PSF	50.0 PSF	54.2 (63.3) PSF	50.0 PSF	42.2 PSF	33.3 PSF	42.2 PSF	33.3 PSF	360.40 LB-FT	388.2 LB	1295.4 LB	1030.7 LB
24 "	60 "	5040 in²	54.2 (82.4) PSF	65.0 PSF	54.2 (82.4) PSF	65.0 PSF	54.2 (65.9) PSF	52.0 PSF	54.2 (65.9) PSF	52.0 PSF	49.4 PSF	39.0 PSF	49.4 PSF	39.0 PSF	32.9 PSF	26.0 PSF	32.9 PSF	26.0 PSF	360.40 LB-FT	302.9 LB	1109.9 LB	935.0 LB
30 "			54.2 (67.7) PSF	53.5 PSF	54.2 (67.7) PSF	53.5 PSF	54.2 (54.2) PSF	42.8 PSF	54.2 (54.2) PSF	42.8 PSF	40.6 PSF	32.1 PSF	40.6 PSF	32.1 PSF	27.1 PSF	21.4 PSF	27.1 PSF	21.4 PSF	360.40 LB-FT	249.0 LB	993.8 LB	875.6 LB

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ALUMINUM A/C STAND
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REMARKS	DRWN	CHKD	DATE
INIT ISSUE	KL	CL	01/10/07
REV. TELESCOPIC BOLTS	KL	CL	05/03/07
UPDATE PER '07 FBC	TSB	CL	09/30/08
UPDATE PER '10 FBC	TSB	TSB	05/10/12
REV. PER COMMENTS	CSL	TSB	08/16/12
FBC UPDATE	RWN	CSL	07/07/15
REV PER MD COMMENTS	RWN	FLB	05/07/16
REV - 2017 FBC	RWN	FLB	11/01/17
REV - 2020 FBC	RWN	FLB	09/20/20

20-26630
SCALE: NTS
PAGE DESCRIPTION:

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PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 20-1013.03
Expiration Date 01/15/2024
By
Miami-Dade Product Control

"HD" STAND DESIGN SCHEDULE CONTINUED

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 20-1013.03
Expiration Date 01/15/2024
By
Miami–Dade Product Control

36'' STAND DEPTH MINIMUM: MAX FACE AREA (720in² - 2520in²), FRAME QUANTITY (2-3 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO: MAX FACE AREA : 3 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX FACE AREA : 2 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY — MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
18 ''	30 ''	720 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	255.30 LB-FT	274.9 LB	696.6 LB	459.6 LB
24 ''			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	327.10 LB-FT	274.9 LB	788.3 LB	551.2 LB
30 ''			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	181.1 PSF	143.0 PSF	181.1 PSF	143.0 PSF	360.40 LB-FT	249.0 LB	795.9 LB	588.7 LB
18 ''	40 ''	1200 in²	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	259.90 LB-FT	279.9 LB	780.6 LB	551.0 LB
24 ''			125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	333.00 LB-FT	279.9 LB	873.9 LB	644.3 LB
30 ''			125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	111.2 PSF	87.8 PSF	111.2 PSF	87.8 PSF	360.40 LB-FT	249.0 LB	859.3 LB	663.7 LB
18 ''	50 ''	1800 in²	83.1 (122.8) PSF	138.8 PSF	83.1 (122.8) PSF	138.8 PSF	83.1 (117.2) PSF	92.5 PSF	83.1 (117.2) PSF	92.5 PSF	360.40 LB-FT	388.2 LB	1192.9 LB	851.5 LB
24 ''			83.1 (122.8) PSF	108.3 PSF	83.1 (122.8) PSF	108.3 PSF	83.1 (91.4) PSF	72.2 PSF	83.1 (91.4) PSF	72.2 PSF	360.40 LB-FT	302.9 LB	1030.2 LB	780.3 LB
30 ''			83.1 (112.7) PSF	89.0 PSF	83.1 (112.7) PSF	89.0 PSF	75.1 PSF	59.3 PSF	75.1 PSF	59.3 PSF	360.40 LB-FT	249.0 LB	928.6 LB	736.5 LB
18 ''	60 ''	2520 in²	54.2 (93.9) PSF	98.8 PSF	54.2 (93.9) PSF	98.8 PSF	54.2 (84.5) PSF	66.7 PSF	54.2 (84.5) PSF	66.7 PSF	360.40 LB-FT	388.2 LB	1293.1 LB	963.2 LB
24 ''			54.2 (93.9) PSF	78.1 PSF	54.2 (93.9) PSF	78.1 PSF	54.2 (65.9) PSF	52.0 PSF	54.2 (65.9) PSF	52.0 PSF	360.40 LB-FT	302.9 LB	1111.4 LB	867.5 LB
30 ''			54.2 (81.3) PSF	64.2 PSF	54.2 (81.3) PSF	64.2 PSF	54.2 (54.2) PSF	42.8 PSF	54.2 (54.2) PSF	42.8 PSF	360.40 LB-FT	249.0 LB	995.3 LB	808.1 LB

DESIGN SCHEDULE NOTES:

1. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
2. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

42'' STAND DEPTH MINIMUM: MAX FACE AREA (3600in² - 12600in²), FRAME QUANTITY (5-8 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO: MAX FACE AREA : 8 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX FACE AREA : 7 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX FACE AREA : 6 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX FACE AREA : 5 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY — MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
18 ''	30 ''	3600 in²	198.0 PSF	156.3 PSF	198.0 PSF	156.3 PSF	193.1 PSF	152.4 PSF	193.1 PSF	152.4 PSF	165.5 PSF	130.6 PSF	165.5 PSF	130.6 PSF	137.9 PSF	108.9 PSF	137.9 PSF	108.9 PSF	360.40 LB-FT	379.3 LB	852.0 LB	567.5 LB
24 ''			172.6 PSF	136.3 PSF	172.6 PSF	136.3 PSF	151.0 PSF	119.2 PSF	151.0 PSF	119.2 PSF	129.5 PSF	102.2 PSF	129.5 PSF	102.2 PSF	107.9 PSF	85.2 PSF	107.9 PSF	85.2 PSF	360.40 LB-FT	296.7 LB	749.9 LB	558.1 LB
30 ''			142.2 PSF	112.3 PSF	142.2 PSF	112.3 PSF	124.4 PSF	98.2 PSF	124.4 PSF	98.2 PSF	106.7 PSF	84.2 PSF	106.7 PSF	84.2 PSF	88.9 PSF	70.1 PSF	88.9 PSF	70.1 PSF	360.40 LB-FT	244.5 LB	685.2 LB	553.5 LB
18 ''	40 ''	6000 in²	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	118.5 PSF	93.6 PSF	118.5 PSF	93.6 PSF	101.6 PSF	80.2 PSF	101.6 PSF	80.2 PSF	84.6 PSF	66.8 PSF	84.6 PSF	66.8 PSF	360.40 LB-FT	379.3 LB	933.5 LB	666.7 LB
24 ''			106.0 PSF	83.6 PSF	106.0 PSF	83.6 PSF	92.7 PSF	73.2 PSF	92.7 PSF	73.2 PSF	79.5 PSF	62.7 PSF	79.5 PSF	62.7 PSF	66.2 PSF	52.3 PSF	66.2 PSF	52.3 PSF	360.40 LB-FT	296.7 LB	813.6 LB	635.7 LB
30 ''			87.3 PSF	68.9 PSF	87.3 PSF	68.9 PSF	76.4 PSF	60.3 PSF	76.4 PSF	60.3 PSF	65.5 PSF	51.7 PSF	65.5 PSF	51.7 PSF	54.5 PSF	43.0 PSF	54.5 PSF	43.0 PSF	360.40 LB-FT	244.5 LB	737.7 LB	617.4 LB
18 ''	50 ''	9000 in²	83.1 (91.6) PSF	72.3 PSF	83.1 (91.6) PSF	72.3 PSF	80.1 PSF	63.2 PSF	80.1 PSF	63.2 PSF	68.7 PSF	54.2 PSF	68.7 PSF	54.2 PSF	57.2 PSF	45.2 PSF	57.2 PSF	45.2 PSF	360.40 LB-FT	379.3 LB	1020.3 LB	762.5 LB
24 ''			71.6 PSF	56.5 PSF	71.6 PSF	56.5 PSF	62.7 PSF	49.5 PSF	62.7 PSF	49.5 PSF	53.7 PSF	42.4 PSF	53.7 PSF	42.4 PSF	44.7 PSF	35.3 PSF	44.7 PSF	35.3 PSF	360.40 LB-FT	296.7 LB	880.0 LB	710.7 LB
30 ''			59.0 PSF	46.6 PSF	59.0 PSF	46.6 PSF	51.6 PSF	40.7 PSF	51.6 PSF	40.7 PSF	44.2 PSF	34.9 PSF	44.2 PSF	34.9 PSF	36.9 PSF	29.1 PSF	36.9 PSF	29.1 PSF	360.40 LB-FT	244.5 LB	792.4 LB	679.2 LB
18 ''	60 ''	12600 in²	59.2 (66) PSF	52.1 PSF	59.2 (66) PSF	52.1 PSF	57.8 PSF	45.6 PSF	57.8 PSF	45.6 PSF	49.5 PSF	39.1 PSF	49.5 PSF	39.1 PSF	41.2 PSF	32.5 PSF	41.2 PSF	32.5 PSF	360.40 LB-FT	379.3 LB	1106.8 LB	856.6 LB
24 ''			51.6 PSF	40.8 PSF	51.6 PSF	40.8 PSF	45.2 PSF	35.7 PSF	45.2 PSF	35.7 PSF	38.7 PSF	30.6 PSF	38.7 PSF	30.6 PSF	32.3 PSF	25.5 PSF	32.3 PSF	25.5 PSF	360.40 LB-FT	296.7 LB	947.7 LB	784.3 LB
30 ''			42.5 PSF	33.6 PSF	42.5 PSF	33.6 PSF	37.2 PSF	29.4 PSF	37.2 PSF	29.4 PSF	31.9 PSF	25.2 PSF	31.9 PSF	25.2 PSF	26.6 PSF	21.0 PSF	26.6 PSF	21.0 PSF	360.40 LB-FT	244.5 LB	848.2 LB	739.8 LB

42'' STAND DEPTH MINIMUM: MAX FACE AREA (2880in² - 10080in²), FRAME QUANTITY (4-7 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO: MAX FACE AREA : 7 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX FACE AREA : 6 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX FACE AREA : 5 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX FACE AREA : 4 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY — MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
18 ''	30 ''	2880 in²	198.0 PSF	156.3 PSF	198.0 PSF	156.3 PSF	198.0 PSF	156.3 PSF	198.0 PSF	156.3 PSF	172.4 PSF	136.1 PSF	172.4 PSF	136.1 PSF	137.9 PSF	108.9 PSF	137.9 PSF	108.9 PSF	360.40 LB-FT	379.3 LB	850.1 LB	567.5 LB
24 ''			188.8 PSF	149.1 PSF	188.8 PSF	149.1 PSF	161.8 PSF	127.8 PSF	161.8 PSF	127.8 PSF	134.9 PSF	106.5 PSF	134.9 PSF	106.5 PSF	107.9 PSF	85.2 PSF	107.9 PSF	85.2 PSF	360.40 LB-FT	296.7 LB	751.1 LB	558.1 LB
30 ''			155.6 PSF	122.8 PSF	155.6 PSF	122.8 PSF	133.3 PSF	105.2 PSF	133.3 PSF	105.2 PSF	111.1 PSF	87.7 PSF	111.1 PSF	87.7 PSF	88.9 PSF	70.1 PSF	88.9 PSF	70.1 PSF	360.40 LB-FT	244.5 LB	686.4 LB	553.5 LB
18 ''	40 ''	4800 in²	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	105.8 PSF	83.5 PSF	105.8 PSF	83.5 PSF	84.6 PSF	66.8 PSF	84.6 PSF	66.8 PSF	360.40 LB-FT	379.3 LB	931.5 LB	666.7 LB
24 ''			115.9 PSF	91.5 PSF	115.9 PSF	91.5 PSF	99.3 PSF	78.4 PSF	99.3 PSF	78.4 PSF	82.8 PSF	65.3 PSF	82.8 PSF	65.3 PSF	66.2 PSF	52.3 PSF	66.2 PSF	52.3 PSF	360.40 LB-FT	296.7 LB	814.8 LB	635.7 LB
30 ''			95.5 PSF	75.4 PSF	95.5 PSF	75.4 PSF	81.8 PSF	64.6 PSF	81.8 PSF	64.6 PSF	68.2 PSF	53.8 PSF	68.2 PSF	53.8 PSF	54.5 PSF	43.0 PSF	54.5 PSF	43.0 PSF	360.40 LB-FT	244.5 LB	738.9 LB	617.4 LB
18 ''	50 ''	7200 in²	83.1 (100.2) PSF	79.1 PSF	83.1 (100.2) PSF	79.1 PSF	83.1 (85.8) PSF	67.8 PSF	83.1 (85.8) PSF	67.8 PSF	71.5 PSF	56.5 PSF	71.5 PSF	56.5 PSF	57.2 PSF	45.2 PSF	57.2 PSF	45.2 PSF	360.40 LB-FT	379.3 LB	1021.5 LB	762.5 LB
24 ''			78.3 PSF	61.8 PSF	78.3 PSF	61.8 PSF	67.1 PSF	53.0 PSF	67.1 PSF	53.0 PSF	55.9 PSF	44.2 PSF	55.9 PSF	44.2 PSF	44.7 PSF	35.3 PSF	44.7 PSF	35.3 PSF	360.40 LB-FT	296.7 LB	881.2 LB	710.7 LB
30 ''			64.5 PSF	50.9 PSF	64.5 PSF	50.9 PSF	55.3 PSF	43.7 PSF	55.3 PSF	43.7 PSF	46.1 PSF	36.4 PSF	46.1 PSF	36.4 PSF	36.9 PSF	29.1 PSF	36.9 PSF	29.1 PSF	360.40 LB-FT	244.5 LB	793.6 LB	679.2 LB
18 ''	60 ''	10080 in²	59.2 (72.2) PSF	57.0 PSF	59.2 (72.2) PSF	57.0 PSF	59.2 (61.9) PSF	48.8 PSF	59.2 (61.9) PSF	48.8 PSF	51.6 PSF	40.7 PSF	51.6 PSF	40.7 PSF	41.2 PSF	32.5 PSF	41.2 PSF	32.5 PSF	360.40 LB-FT	379.3 LB	1108.1 LB	856.6 LB
24 ''			56.5 PSF	44.6 PSF	56.5 PSF	44.6 PSF	48.4 PSF	38.2 PSF	48.4 PSF	38.2 PSF	40.3 PSF	31.8 PSF	40.3 PSF	31.8 PSF	32.3 PSF	25.5 PSF	32.3 PSF	25.5 PSF	360.40 LB-FT	296.7 LB	948.9 LB	784.3 LB
30 ''			46.5 PSF	36.7 PSF	46.5 PSF	36.7 PSF	39.9 PSF	31.5 PSF	39.9 PSF	31.5 PSF	33.2 PSF	26.2 PSF	33.2 PSF	26.2 PSF	26.6 PSF	21.0 PSF	26.6 PSF	21.0 PSF	360.40 LB-FT	244.5 LB	849.4 LB	739.8 LB

42'' STAND DEPTH MINIMUM: MAX FACE AREA (2160in² - 7560in²), FRAME QUANTITY (3-6 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO: MAX FACE AREA : 6 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX FACE AREA : 5 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX FACE AREA : 4 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX FACE AREA : 3 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY — MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
18 ''	30 ''	2160 in²	198.0 PSF	156.3 PSF	198.0 PSF	156.3 PSF	198.0 PSF	156.3 PSF	198.0 PSF	156.3 PSF	183.9 PSF	145.2 PSF	183.9 PSF	145.2 PSF	137.9 PSF	108.9 PSF	137.9 PSF	108.9 PSF	360.40 LB-FT	379.3 LB	851.2 LB	567.5 LB
24 ''			198.0 PSF	156.3 PSF	198.0 PSF	156.3 PSF	179.8 PSF	142.0 PSF	179.8 PSF	142.0 PSF	143.9 PSF	113.6 PSF	143.9 PSF	113.6 PSF	107.9 PSF	85.2 PSF	107.9 PSF	85.2 PSF	360.40 LB-FT	296.7 LB	750.5 LB	558.1 LB
30 ''			177.8 PSF	140.3 PSF	177.8 PSF	140.3 PSF	148.1 PSF	116.9 PSF	148.1 PSF	116.9 PSF	118.5 PSF	93.5 PSF	118.5 PSF	93.5 PSF	88.9 PSF	70.1 PSF	88.9 PSF	70.1 PSF	360.40 LB-FT	244.5 LB	688.0 LB	553.5 LB
18 ''	40 ''	3600 in²	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	112.9 PSF	89.1 PSF	112.9 PSF	89.1 PSF	84.6 PSF	66.8 PSF	84.6 PSF	66.8 PSF	360.40 LB-FT	379.3 LB	932.7 LB	666.7 LB
24 ''			125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	110.4 PSF	87.1 PSF	110.4 PSF	87.1 PSF	88.3 PSF	69.7 PSF	88.3 PSF	69.7 PSF	66.2 PSF	52.3 PSF	66.2 PSF	52.3 PSF	360.40 LB-FT	296.7 LB	814.2 LB	635.7 LB
30 ''			109.1 PSF	86.1 PSF	109.1 PSF	86.1 PSF	90.9 PSF	71.8 PSF	90.9 PSF	71.8 PSF	72.7 PSF	57.4 PSF	72.7 PSF	57.4 PSF	54.5 PSF	43.0 PSF	54.5 PSF	43.0 PSF	360.40 LB-FT	244.5 LB	740.5 LB	617.4 LB
18 ''	50 ''	5400 in²	83.1 (114.5) PSF	90.4 PSF	83.1 (114.5) PSF	90.4 PSF	83.1 (95.4) PSF	75.3 PSF	83.1 (95.4) PSF	75.3 PSF	76.3 PSF	60.2 PSF	76.3 PSF	60.2 PSF	57.2 PSF	45.2 PSF	57.2 PSF	45.2 PSF	360.40 LB-FT	379.3 LB	1023.1 LB	762.5 LB
24 ''			83.1 (89.5) PSF	70.7 PSF	83.1 (89.5) PSF	70.7 PSF	74.6 PSF	58.9 PSF	74.6 PSF	58.9 PSF	59.7 PSF	47.1 PSF	59.7 PSF	47.1 PSF	44.7 PSF	35.3 PSF	44.7 PSF	35.3 PSF	360.40 LB-FT	296.7 LB	882.8 LB	710.7 LB
30 ''			73.8 PSF	58.2 PSF	73.8 PSF	58.2 PSF	61.5 PSF	48.5 PSF	61.5 PSF	48.5 PSF	49.2 PSF	38.8 PSF	49.2 PSF	38.8 PSF	36.9 PSF	29.1 PSF	36.9 PSF	29.1 PSF	360.40 LB-FT	244.5 LB	795.2 LB	679.2 LB
18 ''	60 ''	7560 in²	59.2 (82.5) PSF	65.1 PSF	59.2 (82.5) PSF	65.1 PSF	59.2 (68.8) PSF	54.3 PSF	59.2 (68.8) PSF	54.3 PSF	55.0 PSF	43.4 PSF	55.0 PSF	43.4 PSF	41.2 PSF	32.5 PSF	41.2 PSF	32.5 PSF	360.40 LB-FT	379.3 LB	1109.7 LB	856.6 LB
24 ''			59.2 (64.6) PSF	51.0 PSF	59.2 (64.6) PSF	51.0 PSF	53.8 PSF	42.5 PSF	53.8 PSF	42.5 PSF	43.0 PSF	34.0 PSF	43.0 PSF	34.0 PSF	32.3 PSF	25.5 PSF	32.3 PSF	25.5 PSF	360.40 LB-FT	296.7 LB	950.5 LB	784.3 LB
30 ''			53.2 PSF	42.0 PSF	53.2 PSF	42.0 PSF	44.3 PSF	35.0 PSF	44.3 PSF	35.0 PSF	35.4 PSF	28.0 PSF	35.4 PSF	28.0 PSF	26.6 PSF	21.0 PSF	26.6 PSF	21.0 PSF	360.40 LB-FT	244.5 LB	851.0 LB	739.8 LB

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09/25/2020

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ALUMINUM A/C STAND
HVHZ COMPLAINT

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	KL	CL	01/10/07
REV. TELESCOPIC BOLTS	KL	CL	05/03/07
UPDATE PER '07 FBC	TSB	CL	09/30/08
UPDATE PER '10 FBC	CSL	TSB	05/10/12
REV. PER COMMENTS	CSL	TSB	08/16/12
FBC UPDATE	RWN	CSL	07/07/15
REV PER MD COMMENTS	RWN	FLB	05/07/16
REV - 2017 FBC	RWN	FLB	11/01/17
REV - 2020 FBC	RWN	FLB	09/20/20

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SCALE: NTS -
PAGE DESCRIPTION:
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"HD" STAND DESIGN SCHEDULE CONTINUED

42'' STAND DEPTH MINIMUM: MAX FACE AREA (1440in² - 5040in²), FRAME QUANTITY (2-5 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO: MAX FACE AREA : 5 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX FACE AREA : 4 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX FACE AREA : 3 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX FACE AREA : 2 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHORS TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY — MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
18 ''	30 ''	1440 in²	198.0 PSF	156.3 PSF	198.0 PSF	156.3 PSF	198.0 PSF	156.3 PSF	198.0 PSF	156.3 PSF	198.0 PSF	156.3 PSF	198.0 PSF	156.3 PSF	137.9 PSF	108.9 PSF	137.9 PSF	108.9 PSF	360.40 LB-FT	379.3 LB	845.6 LB	567.5 LB
24 ''			198.0 PSF	156.3 PSF	198.0 PSF	156.3 PSF	198.0 PSF	156.3 PSF	198.0 PSF	156.3 PSF	161.8 PSF	127.8 PSF	161.8 PSF	127.8 PSF	107.9 PSF	85.2 PSF	107.9 PSF	85.2 PSF	360.40 LB-FT	296.7 LB	749.0 LB	558.1 LB
30 ''			198.0 PSF	156.3 PSF	198.0 PSF	156.3 PSF	177.8 PSF	140.3 PSF	177.8 PSF	140.3 PSF	133.3 PSF	105.2 PSF	133.3 PSF	105.2 PSF	88.9 PSF	70.1 PSF	88.9 PSF	70.1 PSF	360.40 LB-FT	244.5 LB	688.0 LB	553.5 LB
18 ''	40 ''	2400 in²	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	84.6 PSF	66.8 PSF	84.6 PSF	66.8 PSF	360.40 LB-FT	379.3 LB	927.0 LB	666.7 LB
24 ''			125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	99.3 PSF	78.4 PSF	99.3 PSF	78.4 PSF	66.2 PSF	52.3 PSF	66.2 PSF	52.3 PSF	360.40 LB-FT	296.7 LB	812.7 LB	635.7 LB
30 ''			125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	109.1 PSF	86.1 PSF	109.1 PSF	86.1 PSF	81.8 PSF	64.6 PSF	81.8 PSF	64.6 PSF	54.5 PSF	43.0 PSF	54.5 PSF	43.0 PSF	360.40 LB-FT	244.5 LB	740.5 LB	617.4 LB
18 ''	50 ''	3600 in²	83.1 (122.8) PSF	113.0 PSF	83.1 (122.8) PSF	113.0 PSF	83.1 (114.5) PSF	90.4 PSF	83.1 (114.5) PSF	90.4 PSF	83.1 (85.8) PSF	67.8 PSF	83.1 (85.8) PSF	67.8 PSF	57.2 PSF	45.2 PSF	57.2 PSF	45.2 PSF	360.40 LB-FT	379.3 LB	1025.4 LB	762.5 LB
24 ''			83.1 (111.9) PSF	88.4 PSF	83.1 (111.9) PSF	88.4 PSF	83.1 (89.5) PSF	70.7 PSF	83.1 (89.5) PSF	70.7 PSF	67.1 PSF	53.0 PSF	67.1 PSF	53.0 PSF	44.7 PSF	35.3 PSF	44.7 PSF	35.3 PSF	360.40 LB-FT	296.7 LB	885.0 LB	710.7 LB
30 ''			83.1 (92.2) PSF	72.8 PSF	83.1 (92.2) PSF	72.8 PSF	73.8 PSF	58.2 PSF	73.8 PSF	58.2 PSF	55.3 PSF	43.7 PSF	55.3 PSF	43.7 PSF	36.9 PSF	29.1 PSF	36.9 PSF	29.1 PSF	360.40 LB-FT	244.5 LB	797.4 LB	679.2 LB
18 ''	60 ''	5040 in²	59.2 (98.9) PSF	81.4 PSF	59.2 (98.9) PSF	81.4 PSF	59.2 (82.5) PSF	65.1 PSF	59.2 (82.5) PSF	65.1 PSF	59.2 (61.9) PSF	48.8 PSF	59.2 (61.9) PSF	48.8 PSF	41.2 PSF	32.5 PSF	41.2 PSF	32.5 PSF	360.40 LB-FT	379.3 LB	1111.9 LB	856.6 LB
24 ''			59.2 (80.7) PSF	63.7 PSF	59.2 (80.7) PSF	63.7 PSF	59.2 (64.6) PSF	51.0 PSF	59.2 (64.6) PSF	51.0 PSF	48.4 PSF	38.2 PSF	48.4 PSF	38.2 PSF	32.3 PSF	25.5 PSF	32.3 PSF	25.5 PSF	360.40 LB-FT	296.7 LB	952.8 LB	784.3 LB
30 ''			59.2 (66.5) PSF	52.5 PSF	59.2 (66.5) PSF	52.5 PSF	53.2 PSF	42.0 PSF	53.2 PSF	42.0 PSF	39.9 PSF	31.5 PSF	39.9 PSF	31.5 PSF	26.6 PSF	21.0 PSF	26.6 PSF	21.0 PSF	360.40 LB-FT	244.5 LB	853.2 LB	739.8 LB

42'' STAND DEPTH MINIMUM: MAX FACE AREA (720in² - 2520in²), FRAME QUANTITY (2-3 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO: MAX FACE AREA : 3 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX FACE AREA : 2 FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY — MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
18 ''	30 ''	720 in²	198.0 PSF	156.3 PSF	198.0 PSF	156.3 PSF	198.0 PSF	156.3 PSF	198.0 PSF	156.3 PSF	258.70 LB-FT	272.3 LB	611.9 LB	377.9 LB
24 ''			198.0 PSF	156.3 PSF	198.0 PSF	156.3 PSF	198.0 PSF	156.3 PSF	198.0 PSF	156.3 PSF	330.70 LB-FT	272.3 LB	689.7 LB	455.7 LB
30 ''			198.0 PSF	156.3 PSF	198.0 PSF	156.3 PSF	177.8 PSF	140.3 PSF	177.8 PSF	140.3 PSF	360.40 LB-FT	244.5 LB	688.0 LB	486.0 LB
18 ''	40 ''	1200 in²	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	266.00 LB-FT	279.9 LB	689.5 LB	459.9 LB
24 ''			125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	340.00 LB-FT	279.9 LB	769.5 LB	539.8 LB
30 ''			125.0 PSF	98.6 PSF	125.0 PSF	98.6 PSF	109.1 PSF	86.1 PSF	109.1 PSF	86.1 PSF	360.40 LB-FT	244.5 LB	740.5 LB	549.9 LB
18 ''	50 ''	1800 in²	83.1 (122.8) PSF	119.0 PSF	83.1 (122.8) PSF	119.0 PSF	83.1 (114.5) PSF	90.4 PSF	83.1 (114.5) PSF	90.4 PSF	360.40 LB-FT	379.3 LB	1023.1 LB	695.0 LB
24 ''			83.1 (122.8) PSF	106.1 PSF	83.1 (122.8) PSF	106.1 PSF	83.1 (89.5) PSF	70.7 PSF	83.1 (89.5) PSF	70.7 PSF	360.40 LB-FT	296.7 LB	886.5 LB	643.2 LB
30 ''			83.1 (110.7) PSF	87.4 PSF	83.1 (110.7) PSF	87.4 PSF	73.8 PSF	58.2 PSF	73.8 PSF	58.2 PSF	360.40 LB-FT	244.5 LB	798.9 LB	611.7 LB
18 ''	60 ''	2520 in²	59.2 (98.9) PSF	97.7 PSF	59.2 (98.9) PSF	97.7 PSF	59.2 (82.5) PSF	65.1 PSF	59.2 (82.5) PSF	65.1 PSF	360.40 LB-FT	379.3 LB	1113.4 LB	789.1 LB
24 ''			59.2 (96.9) PSF	76.5 PSF	59.2 (96.9) PSF	76.5 PSF	59.2 (64.6) PSF	51.0 PSF	59.2 (64.6) PSF	51.0 PSF	360.40 LB-FT	296.7 LB	954.3 LB	716.8 LB
30 ''			59.2 (79.8) PSF	63.0 PSF	59.2 (79.8) PSF	63.0 PSF	53.2 PSF	42.0 PSF	53.2 PSF	42.0 PSF	360.40 LB-FT	244.5 LB	854.7 LB	672.3 LB

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DESIGN SCHEDULE NOTES:

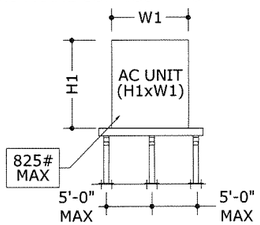
1. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
2. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

"CUSTOM ASSEMBLY" DESIGN SCHEDULE

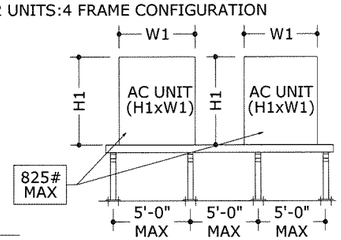
MAX UNIT WIDTH	MAX UNIT DEPTH	MAX UNIT HEIGHT	STAND CLEAR HEIGHT	(1) UNITS TO (3) FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	(2) UNITS TO (4) FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	(3) UNITS TO (5) FRAMES — ANCHOR TYPE: 1 OR 4 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 2 OR 3 — MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT
50 ''	38 ''	70 ''	24 ''	94.5 PSF	74.6 PSF	94.5 PSF	74.6 PSF	63.0 PSF	49.7 PSF	63.0 PSF	49.7 PSF	52.5 PSF	41.4 PSF	52.5 PSF	41.4 PSF
			30 ''	79.5 PSF	62.8 PSF	79.5 PSF	62.8 PSF	53.0 PSF	41.8 PSF	53.0 PSF	41.8 PSF	44.3 PSF	35.0 PSF	44.3 PSF	35.0 PSF

CUSTOM ASSEMBLY ALLOWABLE CONFIGURATIONS:

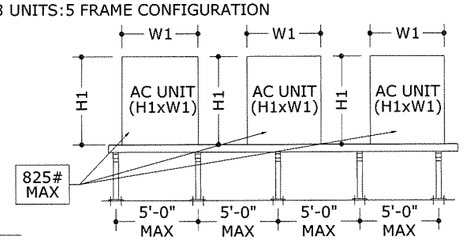
1 UNITS:3 FRAME CONFIGURATION



2 UNITS:4 FRAME CONFIGURATION



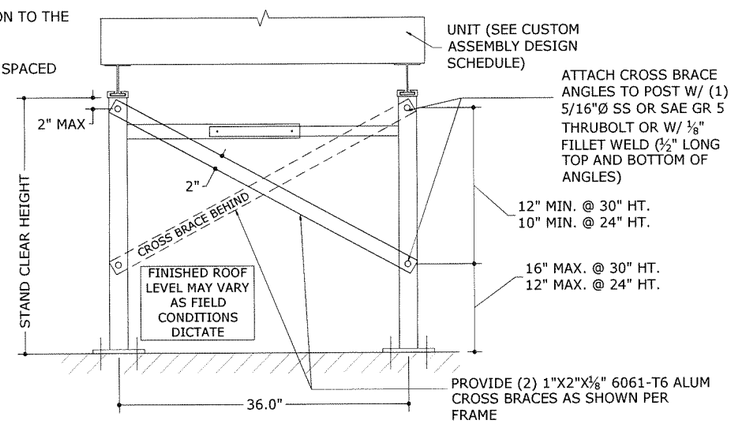
3 UNITS:5 FRAME CONFIGURATION



NOTE: FOR THE "CUSTOM ASSEMBLY" STANDS, THE NUMBER OF UNITS PER STAND IS RESTRICTED TO THE CONFIGURATIONS ILLUSTRATED ABOVE. SEE DESIGN SCHEDULE FOR MORE INFORMATION.

CUSTOM ASSEMBLY NOTES:

1. EACH UNIT SHALL UTILIZE (4) TIE-DOWN STRAPS INSTALLED PER DETAIL 5/9 OF THIS DRAWING IN ADDITION TO THE TIE-DOWNS PER DETAIL 2/9 OR 3/9.
2. EACH FRAME (POST PAIR) SHALL UTILIZE THE CROSS BRACING PER DETAIL 1/8 ON THIS SHEET.
3. EACH STAND SHALL UTILIZE (3) SUPPORT ANGLES PER DETAIL 1A/10 OR 1B/10 OF THIS DRAWING EQUALLY SPACED ALONG LENGTH OF STAND (12" MINIMUM FROM ENDS OF STAND).



1/8 CROSS BRACE DETAIL - CUSTOM ASSEMBLY
SCALE: NTS — ELEVATION VIEW

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ALUMINUM A/C STAND
HVHZ COMPLAINT

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	KL	CL	01/10/07
REV. TELESCOPIC BOLTS	KL	CL	05/03/07
UPDATE PER '07 FBC	TSB	CL	09/30/08
UPDATE PER '10 FBC	CSL	TSB	05/10/12
REV. PER COMMENTS	CSL	TSB	08/16/12
FBC UPDATE	RWN	CSL	07/07/15
REV PER MD COMMENTS	RWN	FLB	05/07/16
REV - 2017 FBC	RWN	FLB	11/01/17
REV - 2020 FBC	RWN	FLB	09/20/20

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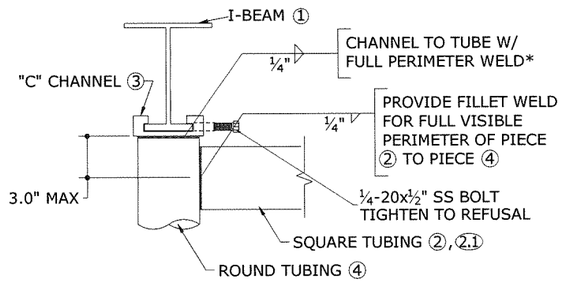
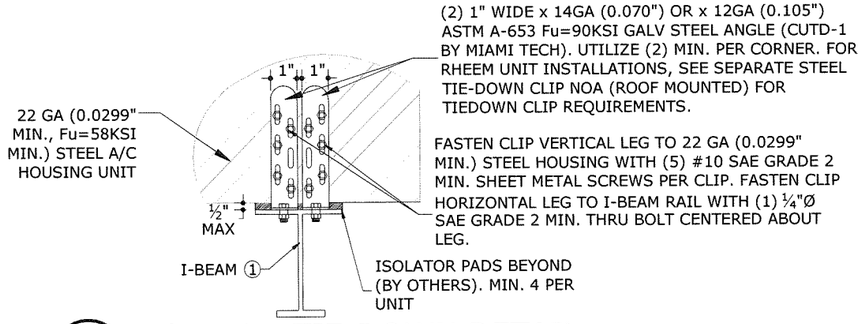
FRAME ASSEMBLY & UNIT TIE-DOWN DETAILS:

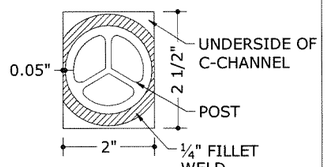


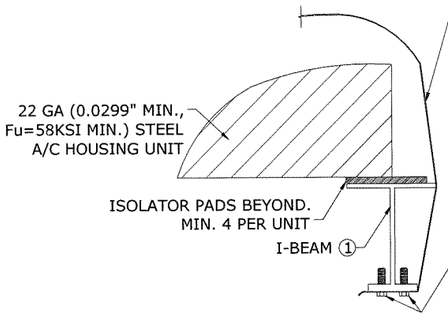
1/9 FRAME ASSEMBLY DETAIL
NTS DETAIL



2/9 A/C UNIT TIE-DOWN DETAIL
NTS

*C-CHANNEL TO POST WELD NOTE:
IN AREAS WHERE ¼" WELD DIAMETER CANNOT BE ACHIEVED, CONTINUE WELD AROUND FULL PERIMETER OF POST TO PREVENT WATER INFILTRATION. WELD DIAMETER WILL DECREASE TO 0.05" ALONG C-CHANNEL EDGE. SEE DETAIL BELOW.

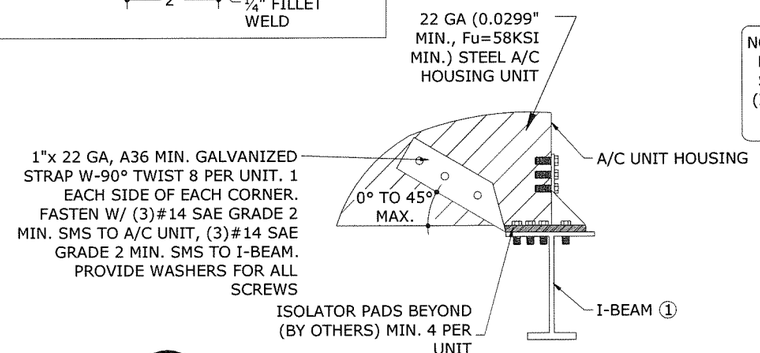




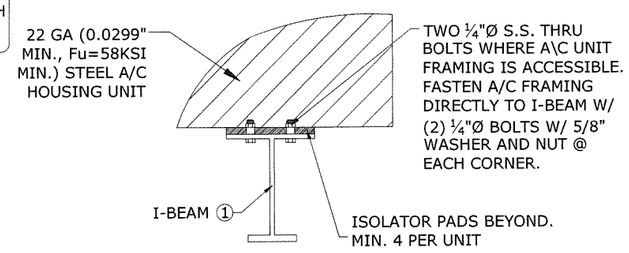
5/9 TIE-DOWN STRAP DETAIL**
NTS

*SHALL BE USED **IN COMBINATION** WITH ANY A/C UNIT TIE-DOWN DETAIL ON THIS SHEET

NOTE: UNIT TIEDOWN DETAILS MAY ALSO BE USED TO ANCHOR THE UNIT TO THE SUPPORT ANGLE SHOWN ON SHEET 10. (I.E. I-BEAM CAN BE SUBSTITUTED WITH ANGLE SUPPORT AS BASE MATERIAL)



3/9 ALT. A/C UNIT TIE-DOWN DETAIL
NTS



4/9 ALT. A/C UNIT TIE-DOWN DETAIL
NTS

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ALUMINUM A/C STAND
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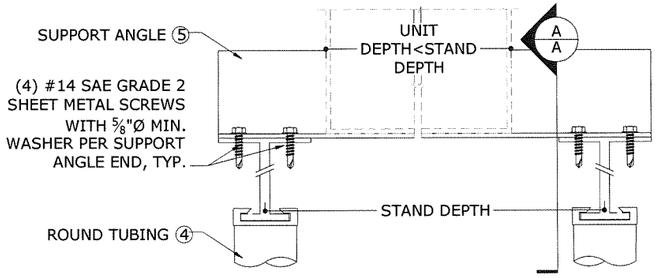
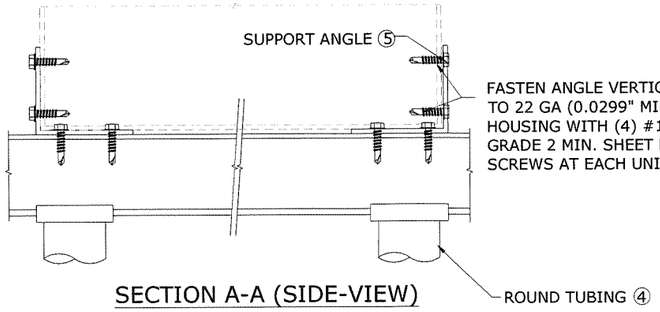


SUPPORT ANGLE ATTACHMENT DETAIL

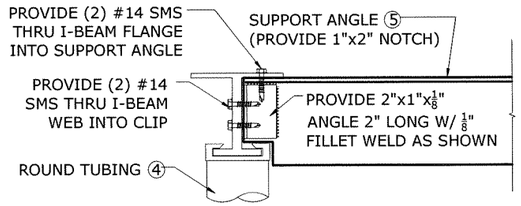
1A / 10 NTS



SECTION A-A (SIDE-VIEW)

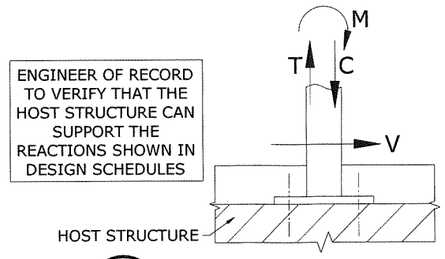
ANCHOR SCHEDULE

ANCHOR TYPE	HOST STRUCTURE	ANCHOR DESCRIPTION
1	STEEL	3/8"Ø SAE GRADE 5 SHEET METAL SCREWS WITH 1"Ø MIN. WASHER, TO STRUCTURAL A36 STEEL MEMBERS (3/16" MIN HOST THICKNESS)
2	CONCRETE	3/8"Ø DEWALT CARBON STEEL SCREW-BOLT CONCRETE ANCHOR WITH 1"Ø MIN. WASHER, 2-1/2" EMBEDMENT & 6" MIN EDGE DISTANCE, SEE BASE PLATE COMPONENT #6 (ON SHEET 2) FOR TYPICAL ANCHOR SPACING.
3	WOOD*	***SEE DETAIL 4/10 OR SITE SPECIFIC ENGINEERING IS REQUIRED**
4	STEEL	3/8"Ø SAE GRADE 5 THRUBOLT WITH 1"Ø MIN. WASHER & NUT, TO STRUCTURAL A36 STEEL MEMBERS (3/16" MIN HOST THICKNESS)



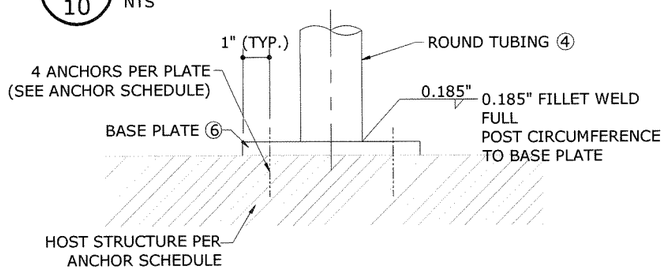
SUPPORT ANGLE ATTACHMENT DETAIL

1B / 10 NTS



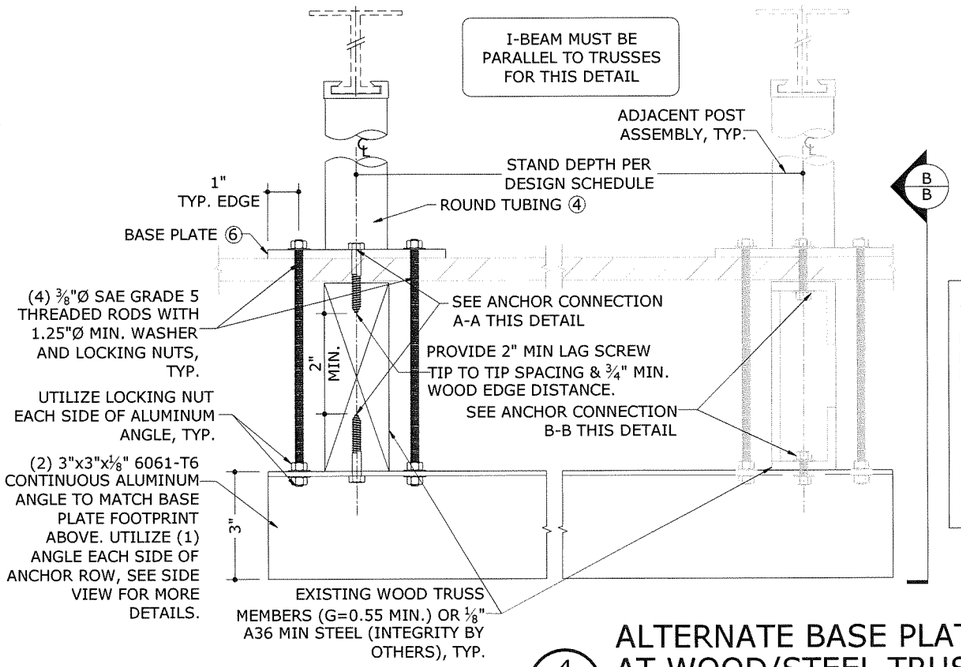
BASE PLATE REACTIONS

2 / 10 NTS



ANCHOR 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. WOOD HOST STRUCTURE SHALL BE "SOUTHERN PINE" G=0.55 OR GREATER DENSITY. ALL CONCRETE SUBSTRATE SHALL BE UN-CRACKED CONCRETE AND SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI. CONCRETE SUBSTRATE THICKNESS SHALL BE GREATER THAN OR EQUAL TO 1.5xANCHOR EMBEDMENT. INSTALL CONCRETE ANCHORS TO UN-CRACKED CONCRETE ONLY.
4. MINIMUM EMBEDMENT SHALL BE AS NOTED IN ANCHOR SCHEDULE. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES ROOFING FINISHES.
5. WHERE EXISTING STRUCTURE IS WOOD TRUSSES, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD TRUSS MEMBERS, NOT INTO PLYWOOD.



ALTERNATE BASE PLATE ATTACHMENT AT WOOD/STEEL TRUSS MEMBERS

4 / 10 NTS

DETAIL

STANDARD BASE PLATE ATTACHMENT DETAIL

3 / 10 NTS

ANCHOR A-A (WOOD MEMBER)
ADD (4) 1/4"Ø LAG SCREW, 5/8"Ø MIN. WASHER, 3½" MIN. EMBED, 3/4" MIN. EDGE DISTANCE. UTILIZE (2) TOP AND (2) BOTTOM, TYP.

ANCHOR B-B (STEEL MEMBER)
ADD (4) 3/8"Ø THRUBOLT,3/4"Ø MIN. WASHER AND LOCKING NUT. UTILIZE (2) TOP AND (2) BOTTOM, TYP.

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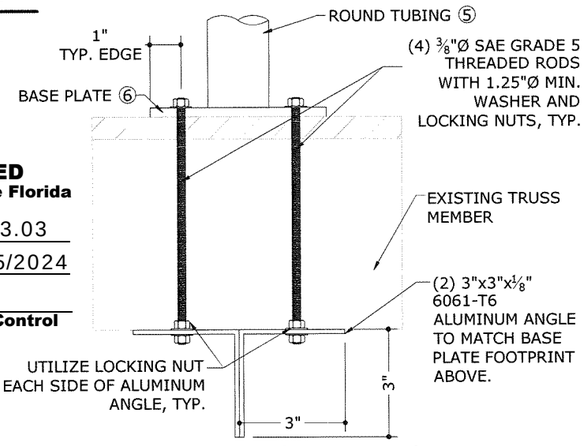

SECTION B-B (SIDE-VIEW)

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