MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Alumistand & Vibra Dama Corp. of America
3350 Burris Road
Fort Lauderdale, Florida 33314

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

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

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

APPROVAL DOCUMENT: Drawing No. 00-339, titled " Air Conditioning Stand ", sheets 1 through 3 of 3, prepared by Knezevich & Associates, Inc., dated September 07, 2001, last revision #2 dated May 20, 2002, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

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

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

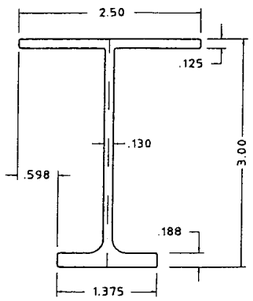
TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this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

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

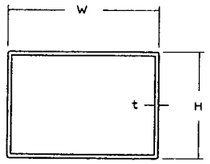
INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews NOA # 02-0401.01** and consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Helmy A. Makar, P.E.**

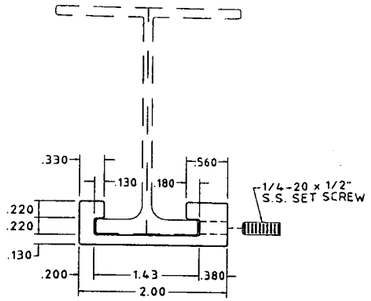
PRODUCT CONTROL ACCEPTED



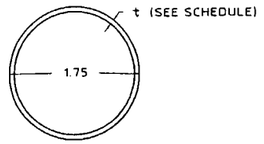
1 **RAIL (I-BEAM)**
6061-T6 ALUM. ALLOY
HALF SIZE



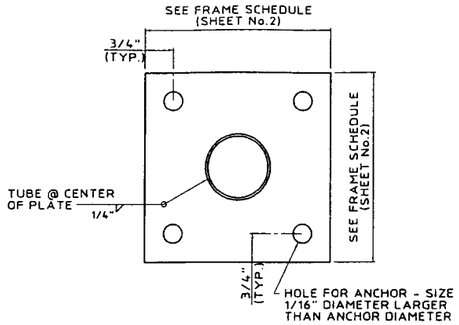
2 **RECTANGULAR TUBING**
6061-T6 ALUM. ALLOY
HALF SIZE



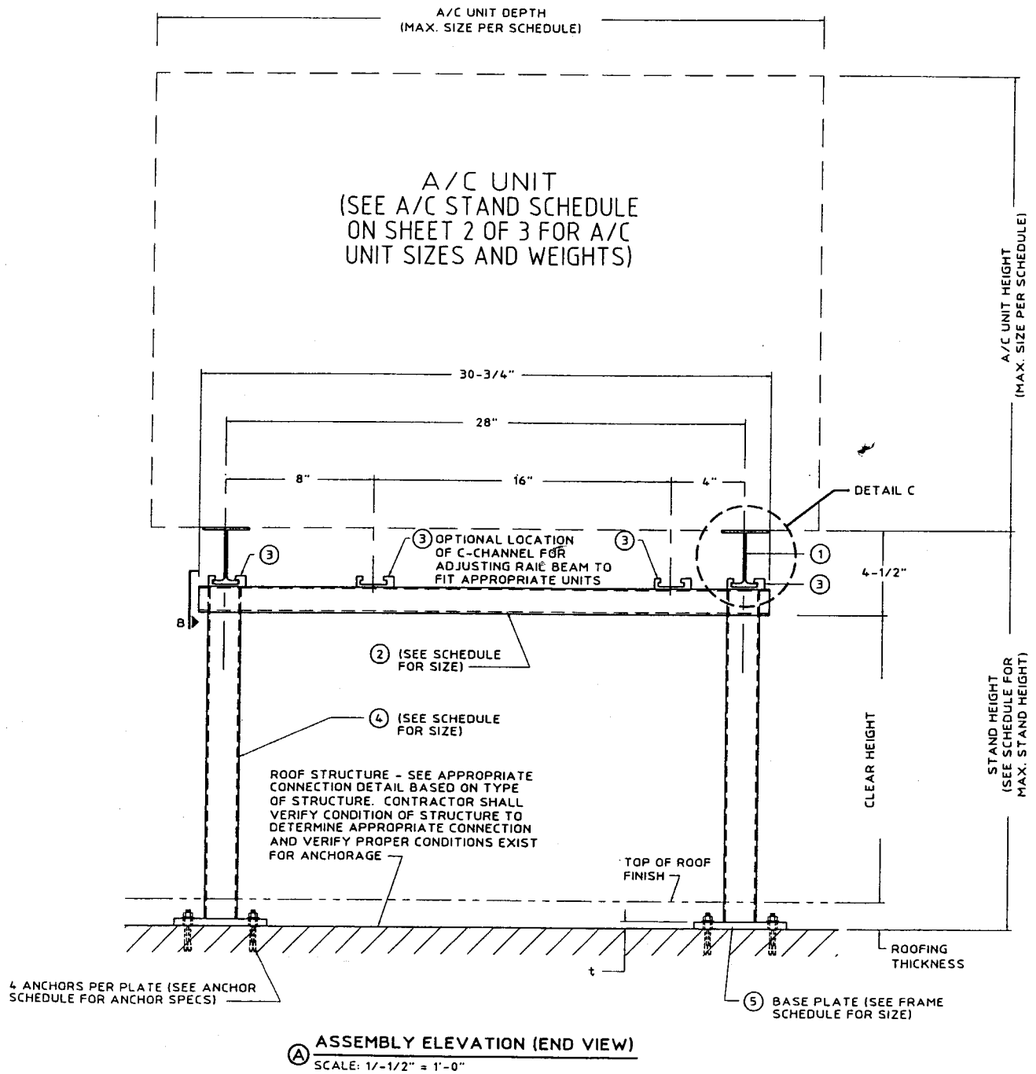
3 **C-CHANNEL**
6005-T5 ALUM. ALLOY
HALF SIZE



4 **ROUND TUBING**
6061-T6 ALUM. ALLOY
HALF SIZE



5 **BASE PLATE**
6061-T6 ALUM. ALLOY
SCALE: 3" = 1'-0"



A **ASSEMBLY ELEVATION (END VIEW)**
SCALE: 1/-1/2" = 1'-0"

NOTES:

1. THESE A/C STANDS ARE DESIGNED IN ACCORDANCE WITH HIGH VELOCITY HURRICANE ZONE PROVISIONS OF THE FLORIDA BUILDING CODE 2001 EDITION.
2. WIND LOADS ARE BASED UPON ASCE 7-98 USING A BASIC WIND SPEED EQUAL TO 146 MPH; AN IMPORTANCE FACTOR OF 1.0 AND EXPOSURE "C".
3. STANDS SHALL BE INSTALLED WITH A MINIMUM CLEAR HEIGHT IN ACCORDANCE WITH F.B.C. CHAPTER 15, SECTION 1522 AND TABLE 1522.3.
4. ALUMINUM DESIGN IS IN ACCORDANCE WITH THE F.B.C. CHAPTER 20 AND THE ALUMINUM ASSOCIATION SPECIFICATIONS FOR ALUMINUM STRUCTURES.
5. ALUMINUM ALLOYS SHALL BE AS NOTED ON DRAWINGS. ALL WELDING SHALL BE PERFORMED WITH 5556 FILLER ALLOY.
6. A/C CONTRACTOR SHALL PROVIDE VIBRATION ISOLATOR PADS BETWEEN A/C UNIT AND STAND.
7. A FLORIDA REGISTERED ENGINEER SHALL VERIFY CAPACITY OF EXISTING STRUCTURE TO SUPPORT A/C STAND LOADS SHOWN IN FRAME SCHEDULE.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 02-0401.01
Expiration Date 09/05/2002
By Helena A. Melon
Miami Dade Product Control Division

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 02-0719.03
Expiration Date 09/05/2007
By Helena A. Melon
Miami Dade Product Control Division

KNEZEVICH & ASSOCIATES, INC.
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V.J. KNEZEVICH
PROFESSIONAL ENGINEER
FL License No:
PE 0016983
MAY 20 2002

revisions			
no	date	by	description
1	01/16/02	ZS	BCCO COMMENTS
2	05/20/02	ZS	FBC 2001 REVISION

date 09/07/01
scale AS NOTED
drawn by AV
design by ZS
checked by VJK
drawing no. 00-339
sheet 1 of 3

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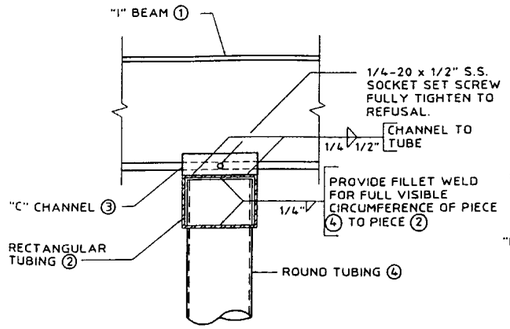
A/C STAND SCHEDULE

STAND No.	A/C UNIT H x W x D (MAX. SIZES)	MAX. DESIGN WIND LOAD (PSF)	MAX. ROOF HEIGHT	FRAME TYPE	MAX. STAND HT.	UNIT WEIGHT (#)	NOTE
1	17" x 24" x 34"	78.6	110'	C	22.5"	200	
1A	17" x 24" x 34"	85.5	175'	C	24"	200	ONE UNIT TWO FRAMES
2	26.5" x 24" x 36"	85.7	175'	B	29"	200	
		58.5	33'	A	25"	200	
3	26.5" x 24" x 24"	85.7	175'	B	29"	200	
		71.0	70'	A	19"	200	
		58.5	33'	A	25"	200	
4	24" x 24" x 24"	68.5	60'	C	18.5"	200	
		78.6	110'	D	18.5"	200	
4A	24" x 24" x 24"	85.5	175'	C	24"	200	ONE UNIT TWO FRAMES
5	28.5" x 31" x 36"	71.0	70'	B	23"	200	
		58.5	33'	B	31"	200	
6	40" x 40" x 40"	58.5	33'	B	29"	200	
7	40" x 80" x 40"	58.5	33'	B	29"	1600.0 (MAX.)	4 FRAMES REQUIRED EQUALLY SPACED L = 7' 1 UNIT ONLY

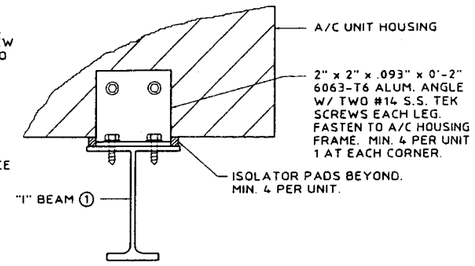
ANCHOR SCHEDULE

FRAME TYPE	EXISTING STRUCTURE	ANCHOR TYPE
A	CONCRETE	3/8"ø RAWL LOK/BOLT SLEEVE ANCHOR W/ 1-5/8" MIN. EMBEDMENT IN CONCRETE & 3" MIN. EDGE DISTANCE.
B	CONCRETE	1/2"ø RAWL LOK/BOLT SLEEVE ANCHOR W/ 2-1/4" MIN. EMBEDMENT IN CONCRETE & 3" MIN. EDGE DISTANCE.
A & B	WOOD	3/8"ø S.S. LAG SCREW W/ 3-1/2" MIN. PENETRATION IN WOOD FRAMING BEYOND PLYWOOD & MIN. 1" EDGE DISTANCE.
A & B	STEEL	3/8"ø A307 GALVANIZED BOLT W/ NUT & WASHER. FASTEN DIRECTLY TO EXISTING STEEL MEMBERS, NOT THRU METAL DECK OR ROOFING.
C & D	CONCRETE	FOUR 5/16"ø POWERS/ RAWL LOK BOLTS W/ 1- 1/2" EMBEDMENT IN CONCRETE AND 3-3/4" MIN. EDGE DISTANCE.
C & D	WOOD	FOUR 3/8"ø S.S. LAG SCREW W/ 2" MIN. PENETRATION IN WOOD FRAMING BEYOND PLYWOOD & MIN. 1" EDGE DISTANCE.
C & D	STEEL	FOUR #12- 14 ITW BUILDEX TEKS-SELF DRILLING FASTENERS WITH BONDED WASHER. FASTEN DIRECTLY TO EXISTING STEEL MEMBERS, NOT THRU METAL DECK OR ROOFING.

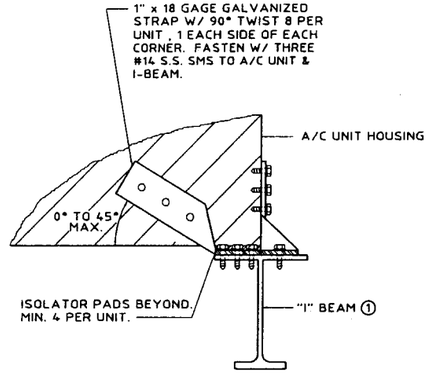
NOTE: A FLORIDA REGISTERED ENGINEER SHALL VERIFY THAT THE EXISTING STRUCTURE IS CAPABLE OF RESISTING THE LOADS IMPOSED SHOWN IN THE FRAME SCHEDULE. DO NOT ATTACH TO STEEL JOISTS W/O COORDINATING W/ JOIST MANUFACTURER OR APPROVAL OF PROFESSIONAL ENGINEER.



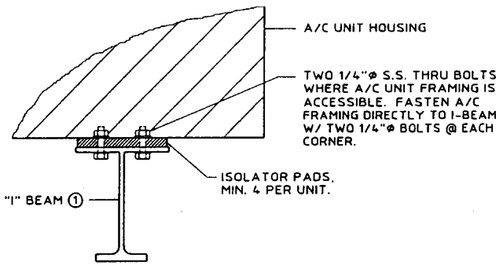
Ⓑ FRAME ASSEMBLY DETAIL
SCALE: 3" = 1'-0"



Ⓒ A/C UNIT TIE-DOWN DETAIL
SCALE: 3" = 1'-0"



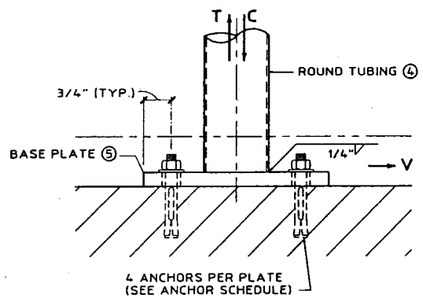
Ⓓ ALT. A/C UNIT TIE-DOWN DETAIL
SCALE: 3" = 1'-0"



Ⓔ ALT. A/C UNIT TIE-DOWN DETAIL
SCALE: 3" = 1'-0"

FRAME SCHEDULE

FRAME TYPE	④ POST SIZE O.D.	④ POST SIZE t	② TUBE SIZE W x H x t	⑤ BASE PLATE SIZE	SUPPORT REACTIONS T (#)	SUPPORT REACTIONS V (#)	SUPPORT REACTIONS C (#)
A	1.75"	0.065"	2.03" x 1.4" x .050"	5" x 5" x 5/16"	362	157	562
B	1.75"	0.110"	2.03" x 1.4" x .075"	5" x 5" x 3/8"	581	218	781
C	1.75"	0.065"	2.03" x 1.4" x .050"	4" x 4" x 1/4"	279	171	329
D	1.75"	0.110"	2.03" x 1.4" x .075"	4" x 4" x 1/4"	338	196	588



Ⓕ BASE PLATE REACTION DIAGRAM (SEE FRAME SCHEDULE)
SCALE: 3" = 1'-0"

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1	07/16/02	ZS	BCCO COMMENTS
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scale AS NOTED
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design by ZS
checked by VJK
drawing no. 00-339
sheet 2 of 3

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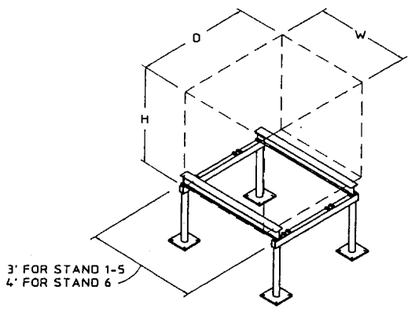
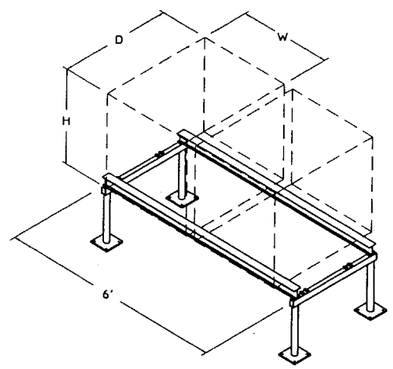


ONE UNIT SYSTEM (ISOMETRIC)

SCALE: 1/-1/2" = 1'-0"

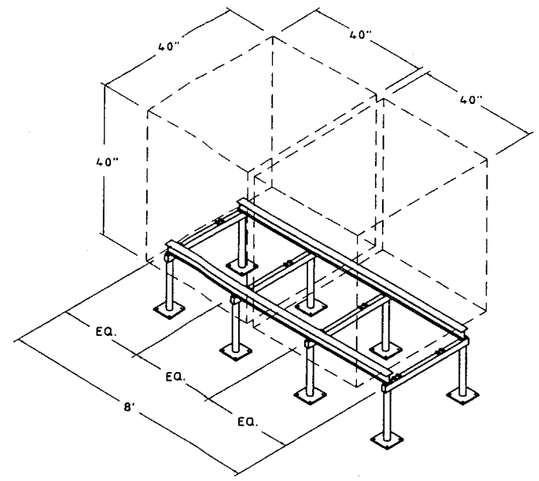
STAND 1, 1A, 2, 3, 4, 4A, 5 OR 6



TWO UNIT SYSTEM (ISOMETRIC)

SCALE: 1/-1/2" = 1'-0"

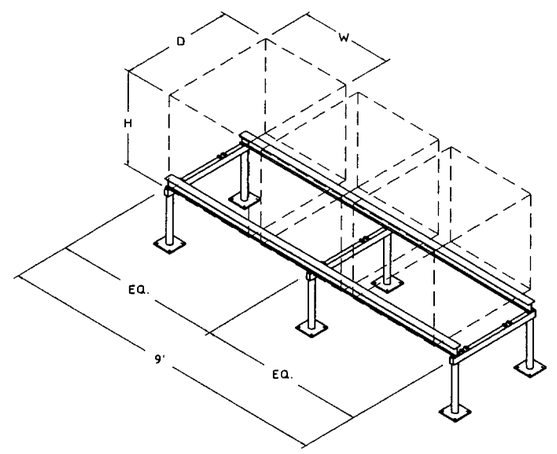
STAND 1, 1A, 2, 3, 4, 4A OR 5



TWO UNIT SYSTEM (ISOMETRIC)

SCALE: 1/-1/2" = 1'-0"

STAND 6



THREE UNIT SYSTEM (ISOMETRIC)

SCALE: 1/-1/2" = 1'-0"

STAND 1, 1A, 2, 3, 4, 4A OR 5

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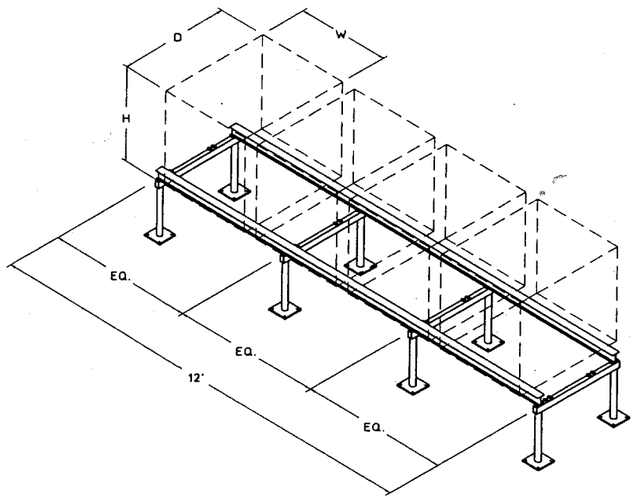
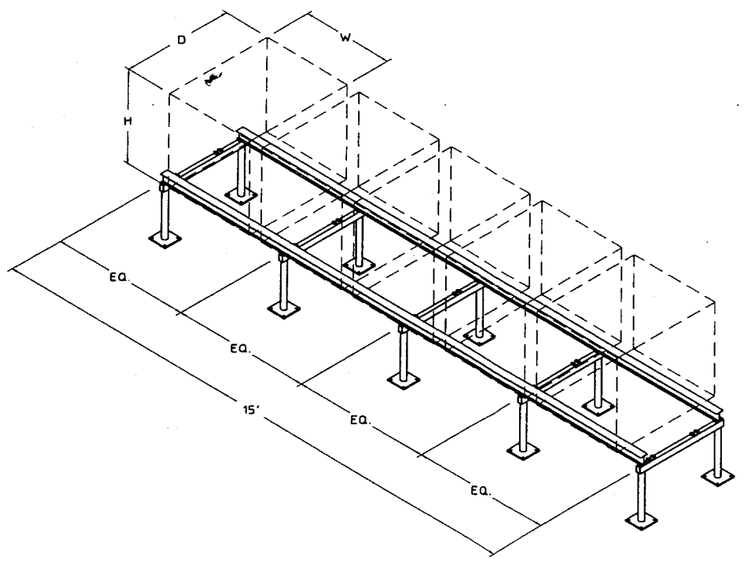


FOUR UNIT SYSTEM (ISOMETRIC)

SCALE: 1/-1/2" = 1'-0"

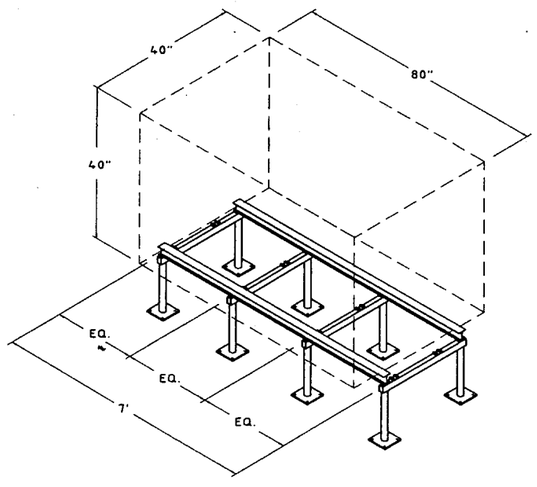
STAND 1, 1A, 2, 3, 4, 4A OR 5



FIVE UNIT SYSTEM (ISOMETRIC)

SCALE: 1/-1/2" = 1'-0"

STAND 1, 1A, 2, 3, 4, 4A OR 5



ONE UNIT SYSTEM (ISOMETRIC)

SCALE: 1/-1/2" = 1'-0"

STAND 7

KNEZEVICH & ASSOCIATES, INC.
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sheet 3 of 3

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