



**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)**

**International Cold Storage Co., Inc.  
5678 Heards Mountain Road  
Covesville, Virginia 22931**

**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: Walk-In Cooler**

**APPROVAL DOCUMENT:** Drawing No. 99-053, titled "Walk-In Cooler", sheets 1 through 7 of 7, prepared by Knezevich & Associates, Inc., dated April 22, 1999, last revision #2 dated June 12, 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: Large and Small Missile Impact**

**LABELING:** Each unit 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 # 99-0426.05** and consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Helmy A. Makar, P.E.**



**NOA No 02-0625.04  
Expiration Date: 08/22/2007  
Approval Date: 07/25/2002  
Page 1**

**GENERAL NOTES:**

1. THESE APPROVAL DOCUMENTS REPRESENT A WALK-IN COOLER/FREEZER SYSTEM ANALYZED WITH THE PROVISION SET FOR THE ISSUANCE OF A NOTICE OF ACCEPTANCE (NOA) BY MIAMI-DADE COUNTY PRODUCT CONTROL DIVISION FOR THE HIGH VELOCITY HURRICANE ZONE (HVHZ) OF THE FLORIDA BUILDING CODE 2001.
2. DETERMINE THE POSITIVE AND NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH ASCE 7-98, A DIRECTIONALITY FACTOR OF  $K_d = 0.85$  & IMPORTANCE FACTOR OF 1.0 SHALL BE USED.
3. DESIGN LOADS:
  - A) ROOF SECTION:
    - A.1) DEAD LOAD - TYPE 1 6.6 P.S.F.  
TYPE 2 6.6 P.S.F.  
WALL SECTION 1.75 P.S.F.
    - A.2) LIVE LOAD - 30 P.S.F.
    - A.3) WIND LOADS ARE CALCULATED IN ACCORDANCE WITH THE ASCE 7-98 USING CRITERIA FROM EQ. 6-13, 6-15, 6-18 AND INTERNAL PRESSURE COEFFICIENT OF  $\pm 0.18$  FROM TABLE 6-7.
    - A.3) MAXIMUM WEIGHT OF MECHANICAL EQUIPMENT IS 330 # PER CONDENSING UNIT. SPACE UNITS AT LEAST 4'-0" O.C.
  - B) WALLS:
 

WIND LOADS ARE IN ACCORDANCE WITH ASCE 7-98 USING THE CRITERIA FROM EQ. 6-13, 6-15, 6-18 AND INTERNAL PRESSURE COEFFICIENT OF  $\pm 0.18$  FROM TABLE 6-7.
  - C) FLOOR:
 

C.1) DEAD LOAD - FLOOR SECTION	5.0 PSF
C.1) LIVE LOAD - INSULATED FLOOR W/O SKIDS	250 P.S.F.
INSULATED FLOOR W/ SKIDS	125 P.S.F.
"FLOORLESS"	250 P.S.F.
4. DEFLECTIONS:
  - A) ROOF L/240
  - B) WALL L/180
  - C) FLOOR L/360
5. THESE APPROVAL DOCUMENTS ARE GENERIC AND DO NOT INCLUDE INFORMATION FOR SITE-SPECIFIC APPLICATION OF THIS WALK-IN COLLER/FREEZER SYSTEM.
6. THESE APPROVAL DOCUMENTS COMPLY WITH CHAPTER 61G15-23 OF THE FLORIDA ADMINISTRATIVE CODE.
7. THESE APPROVAL DOCUMENTS, ARE SUITABLE TO BE APPLIED BY THE CONTRACTOR, PROVIDED THE CONTRACTOR DOES NOT DEVIATE FROM THE CONDITIONS DETAILED HEREIN AND THE CONTRACTOR VERIFIES THAT THE EXISTING STRUCTURE DOES NOT DEVIATE IN EITHER FORM OR MATERIAL FROM THE STRUCTURAL SUBSTRATES DETAILED HEREIN. ALL BUILDING PERMIT DRAWINGS SHALL HAVE "ELITE" IN RED ACROSS THE FACE OF THE DRAWINGS.
8. ANY MODIFICATIONS OR ADDITIONS TO THESE APPROVAL DOCUMENTS WILL VOID THE APPROVAL DOCUMENTS.
9. WHEN THE SITE CONDITIONS DEVIATE FROM THESE APPROVAL DOCUMENTS, THE BUILDING OFFICIAL MAY ELECT ONE OF THE FOLLOWING OPTIONS:
  - A) REQUIRE THAT SITE SPECIFIC DOCUMENTS BE PREPARED, SIGNED, DATED AND SEALED BY A LICENSED ENGINEER OR REGISTERED ARCHITECT, WHICH DETAIL AND JUSTIFY THE DEVIATION. SAID DOCUMENTS SHALL BE SUBMITTED TO THE PRODUCT ENGINEER FOR REVIEW AS A CONDITION TO THE BUILDING OFFICIAL GRANTING HIS/HER APPROVAL.
  - B) REQUIRE THAT A ONE-TIME SITE SPECIFIC APPROVAL BE APPLIED FOR AND SECURED FROM THE MIAMI-DADE COUNTY PRODUCT CONTROL DIVISION.
10. WHEN THE SITE CONDITION DEVIATIONS OCCUR WITHIN THE HIGH VELOCITY HURRICANE ZONE AREAS ONLY OPTION "B", ABOVE, SHALL BE ACCEPTED BY THE BUILDING OFFICIAL.
11. ALL EXTRUSIONS SHALL BE 6063-T6 ALUMINUM ALLOY, U.O.N.
12. ALL BOLTS AND SCREWS SHALL BE 2024-T4 ALUMINUM ALLOY, ELECTRO-GALV. STEEL, HOT DIPPED GALVANIZED STEEL OR STAINLESS STEEL.
13. ALL CONCRETE ANCHORS SHALL BE AS SPECIFIED ON THE DRAWINGS EMBEDMENT LENGTHS NOTED ON THE DRAWINGS SHALL NOT INCLUDE FINISH MATERIAL.
14. CONCRETE FOUNDATION TO DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3000 P.S.I. AFTER 28 DAYS. CONCRETE MIXTURE AND PLACEMENT TO COMPLY WITH PROVISIONS OF THE A.C.I. BUILDING CODE, CURRENT EDITION.
15. REINFORCING STEEL SHALL BE ASTM A-615 GRADE 60. WELDED WIRE FABRIC SHALL COMPLY WITH ASTM A-185.
16. MINIMUM SOIL BEARING CAPACITY SHALL BE 2500 P.S.F.
17. DISSIMILAR METALS IN CONTACT WITH EACH OTHER SHALL BE PROTECTED BY "KOPPERS BITUMINOUS PAINT" ACCORDING TO F.B.C. CHAPTER 20, 2003.8.4

RIGID URETHANE FOAM COMPOSITE SECTION SPECIFICATIONS

1. WALL & ROOF COMPOSITE SECTIONS ARE COMPRISED OF ALUMINUM OR STEEL FACINGS WITH POURED URETHANE PLASTIC CORES. THICKNESS AND MATERIAL OF FACINGS SHALL BE AS SHOWN ON THE DRAWINGS.
2. ALUMINUM FACINGS SHALL BE 3105-H154 ALLOY UNPAINTED FOR INTERIOR USE AND 3105-H174 PAINTED FOR EXTERIOR USE. STEEL FACINGS SHALL BE ASTM A446 GRADE C STEEL WITH A MIN.  $F_y = 40$  KSI. AND SHALL BE GALVANIZED IN ACCORDANCE W/ ASTM A525-G90.
3. MINIMAL DENSITY OF URETHANE FOAM CORE SHALL BE 2.0 P.C.F.
4. URETHANE FOAM CORE SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 75 AND SHALL HAVE A SMOKE-DEVELOPED RATING OF NOT MORE THAN 450 IN ACCORDANCE WITH F.B.C. 2603.4 .
5. FOR SPECIFIC REQUIREMENTS OF WALK-IN COOLERS/FREEZERS SEE F.B.C. 2603.5.1.3 .

WALK-IN COOLER/FREEZER COMPONENTS DESCRIPTION

1. ROOF SECTION TYPE 1 - 5-3/4" THICKNESS  
COMPOSITE SECTION CONSISTED OF ONE (TOP) 24 GAGE GALVANIZED STEEL COVERING SHEET, TWO (TOP & BOTTOM) 16 GAGE GALVANIZED STEEL FACINGS WITH 2 x 6 (SYP # 2) JOISTS @ 12" O.C. EMBEDDED TO 2.0 PCF FOAM (BETWEEN FACINGS). SEE SHEET 4.
2. ROOF SECTION TYPE 2 - 6" THICKNESS  
COMPOSITE SECTION CONSISTED OF ONE (TOP) 24 GAGE GALVANIZED STEEL COVERING SHEET, TWO (TOP & BOTTOM) 16 GA GALVANIZED STEEL FACINGS FILLED WITH 2.0 PCF URETHANE FOAM. SEE SHEET 4.
3. WALL SECTION - 4" THICKNESS  
COMPOSITE SECTION WITH TWO (EXTERIOR & INTERIOR) 0.040" ALUMINUM FACINGS AND WITH 2.0 PCF URETHANE FOAM FILLED BETWEEN FACINGS. SEE SHEET 3.
4. FLOOR SECTION - 4" THICKNESS (INSULATED FLOOR W/ OR W/O SKIDS)  
COMPOSITE SECTION WITH TWO (TOP, 16 GAGE GALVANIZED STEEL AND BOTTOM, 24 GAGE GALVANIZED STEEL) FACINGS OR TWO (TOP, 0.09" ALUMINUM AND BOTTOM, 24 GAGE GALVANIZED STEEL) FACINGS FILLED WITH 2.0 PCF URETHANE FOAM. SEE SHEET 3.

FOUNDATION NOTE:

1. EACH EXTERIOR INSTALLATION SHALL HAVE A FOUNDATION DESIGN BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER FOR THE FOUNDATION LOADS SHOWN IN THE FOUNDATION LOAD TABLE, TABLE 3, SHEET 7.

**PRODUCT RENEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No 02-0625.04  
 Expiration Date 08/22/2007  
 By Helmut A. Mader  
 Miami Dade Product Control  
 Division



**KNEZEVICH & ASSOCIATES, INC.**  
 CONSULTING ENGINEERS • PRODUCT TESTING  
 1260 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33322  
 TEL: (954) 382-2800 • FAX: (954) 382-2989 • FLORIDA COA #3205  
 WEBSITE: WWW.KNEZEVICH.COM • E-MAIL: KA@KNEZEVICH.COM  
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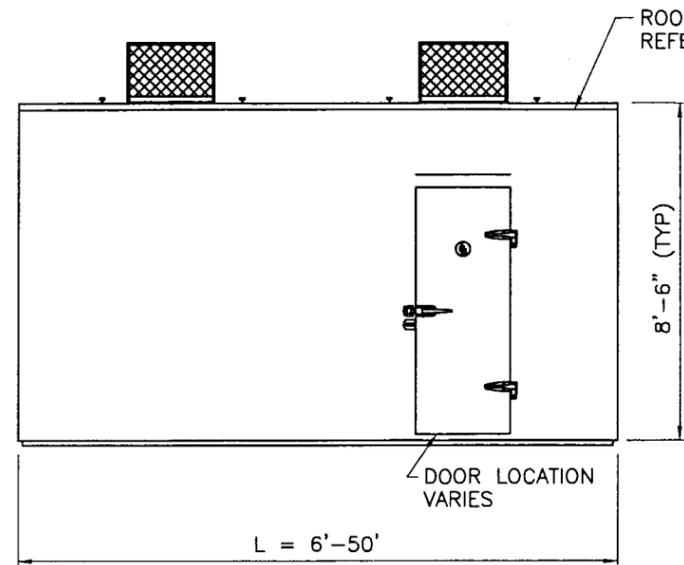
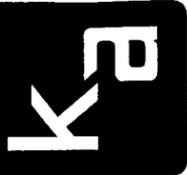
**WALK-IN COOLER**  
**INTERNATIONAL COLD STORAGE CO., INC.**  
 DIVISION OF  
**CARRIER COMMERCIAL REFRIGERATION, INC.**  
 215 EAST STREET, ANDOVER, KANSAS 67002  
 PHONE: (800) 353-5653 • FAX: (604) 297-1118

**V.J. KNEZEVICH**  
 PROFESSIONAL ENGINEER  
 FL License No: PE 0010983

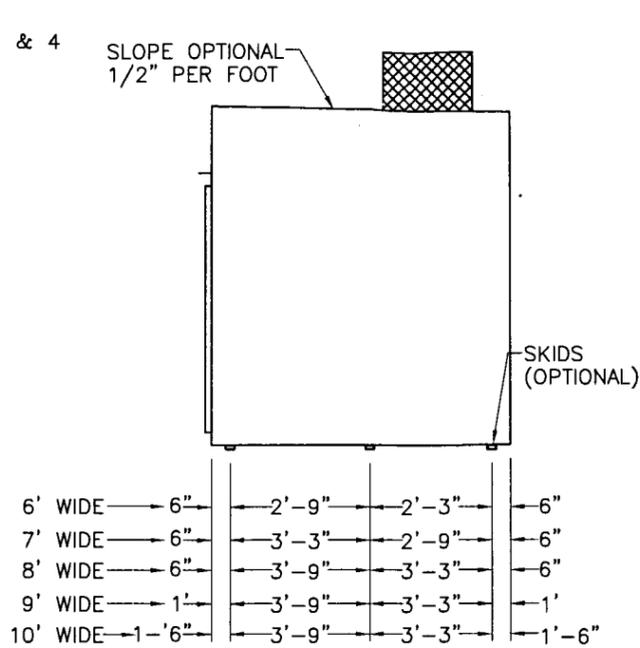
*[Signature]*  
 JUN 14 2002

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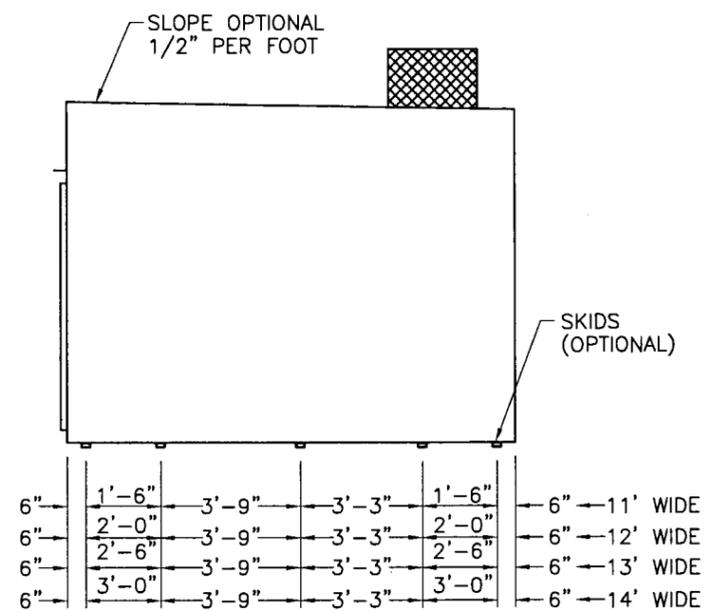
date 04/22/1999  
 scale AS NOTED drawn by MCR  
 design by ZMS checked by VJK  
 drawing no. **99-053**  
 sheet 1 of 7



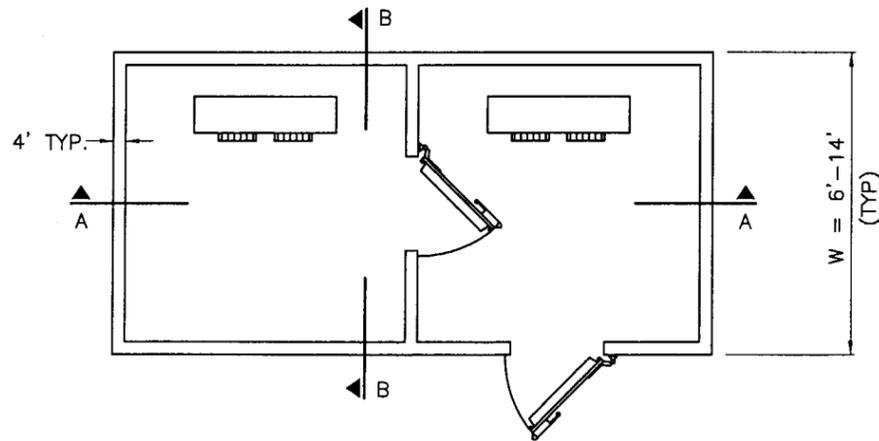
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N.T.S.



**SIDE ELEVATION**  
**6' - 10' WIDE BUILDING**  
N.T.S.

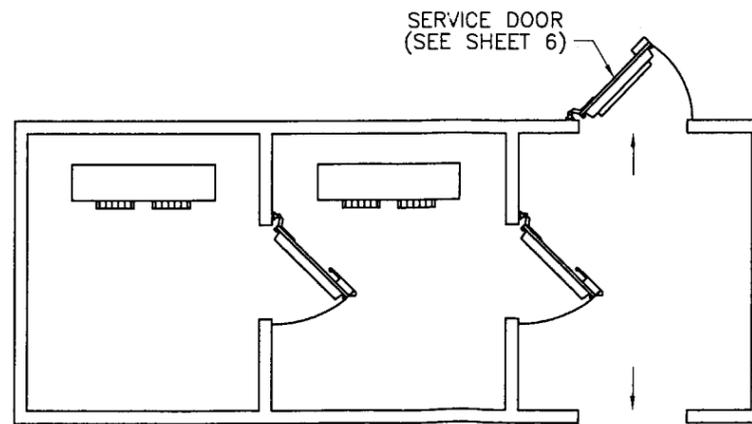


**SIDE ELEVATION**  
**11' - 14' WIDE BUILDING**  
N.T.S.



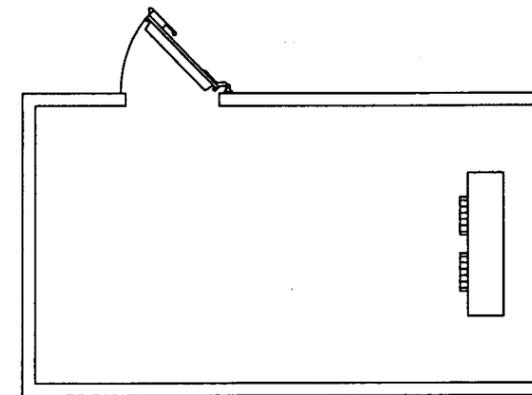
**2 COMPARTMENT BUILDING**  
N.T.S.

INTERIOR WALL & DOOR LOCATION VARIES



**3 COMPARTMENT BUILDING**  
N.T.S.

INTERIOR WALL & DOOR LOCATIONS VARY



**1 COMPARTMENT BUILDING**  
N.T.S.

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**V.J. KNEZEVICH**  
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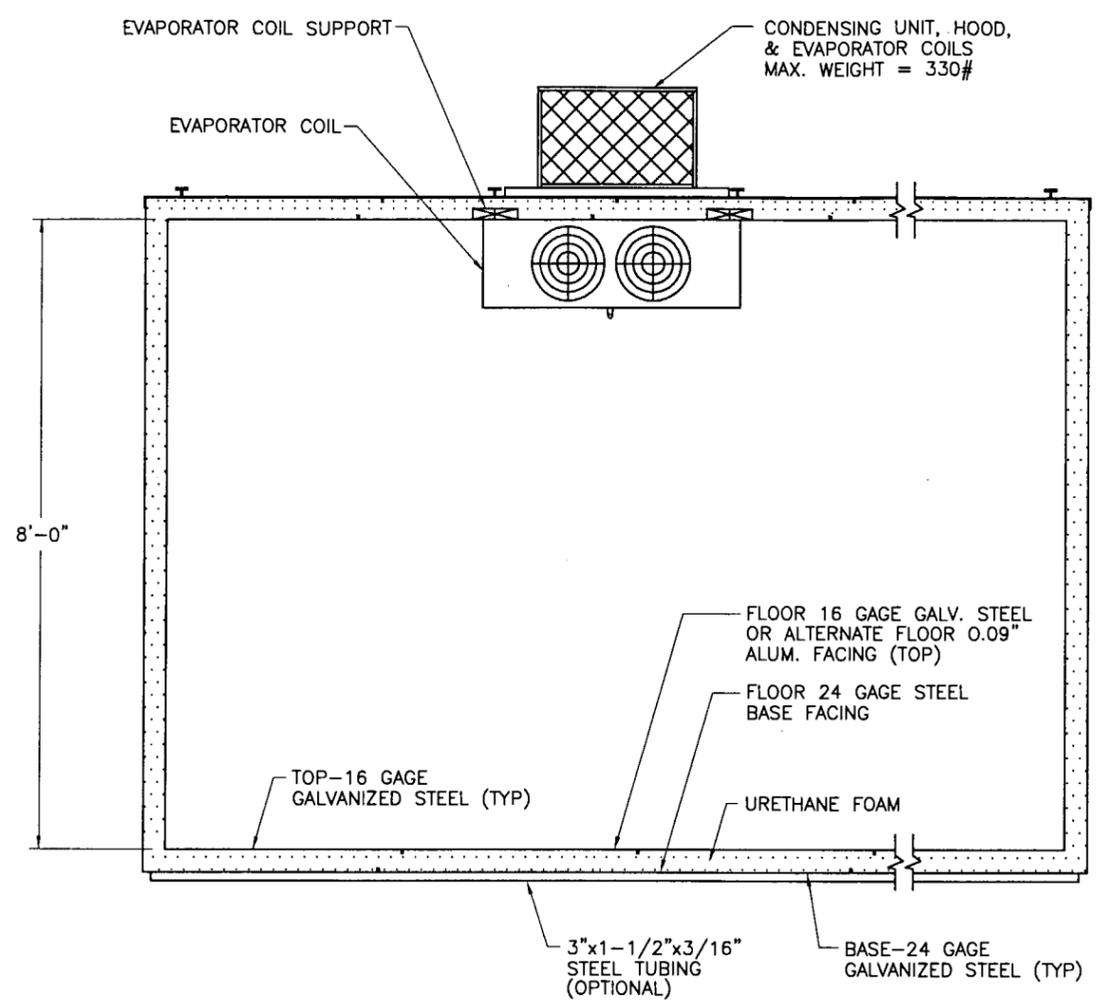
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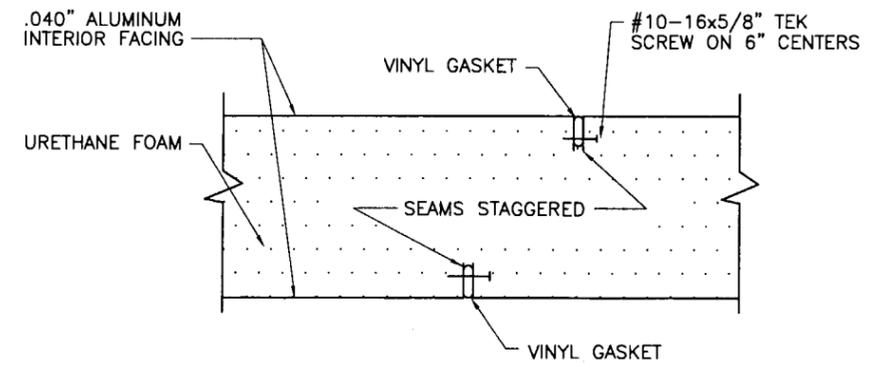
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drawn by	MCR
design by	ZMS
checked by	VJK
drawing no.	99-053
sheet	2 of 7

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No 02-0625.04  
Expiration Date 08/22/2007  
By *Helmut A. Weber*  
Miami Dade Product Control  
Division

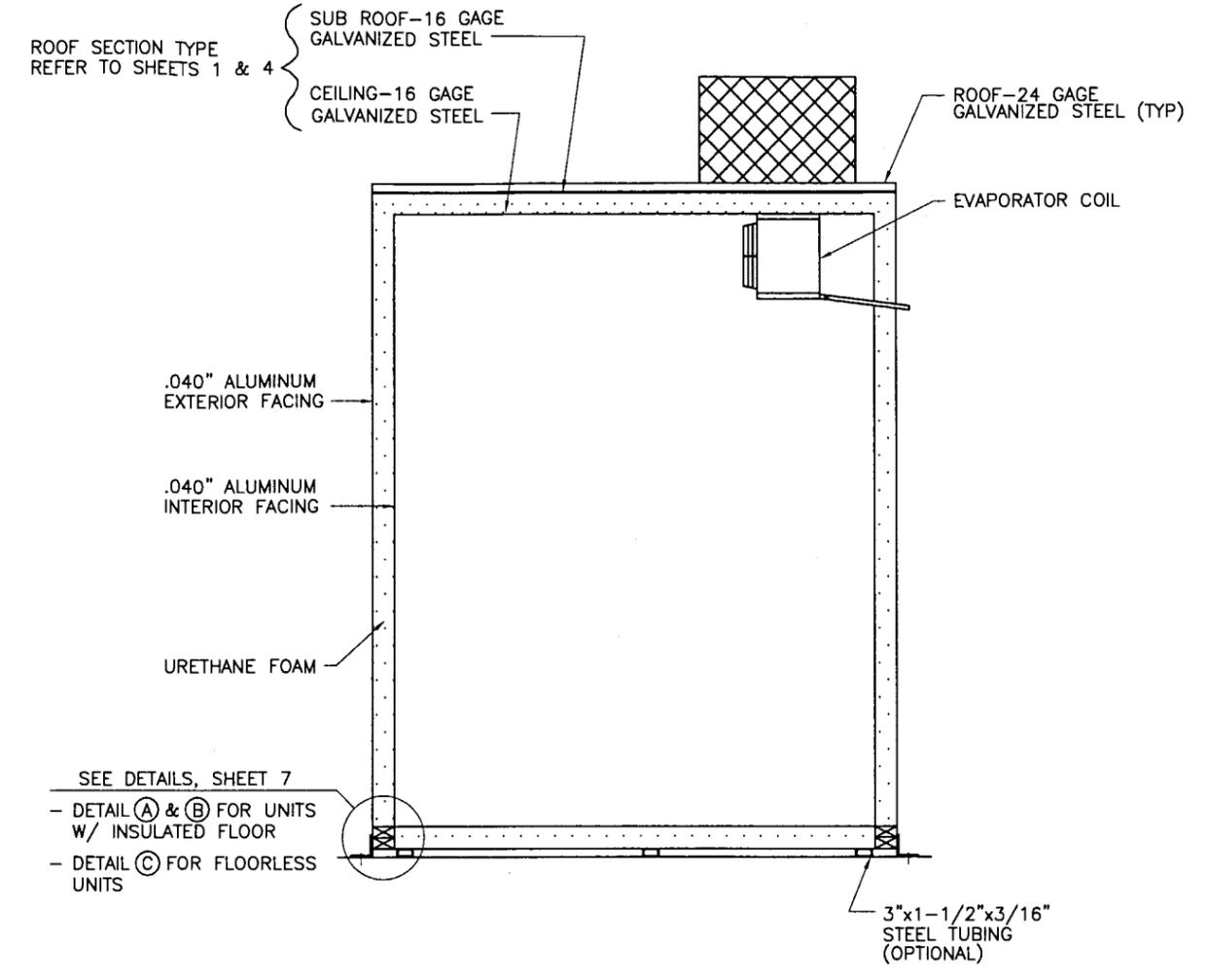
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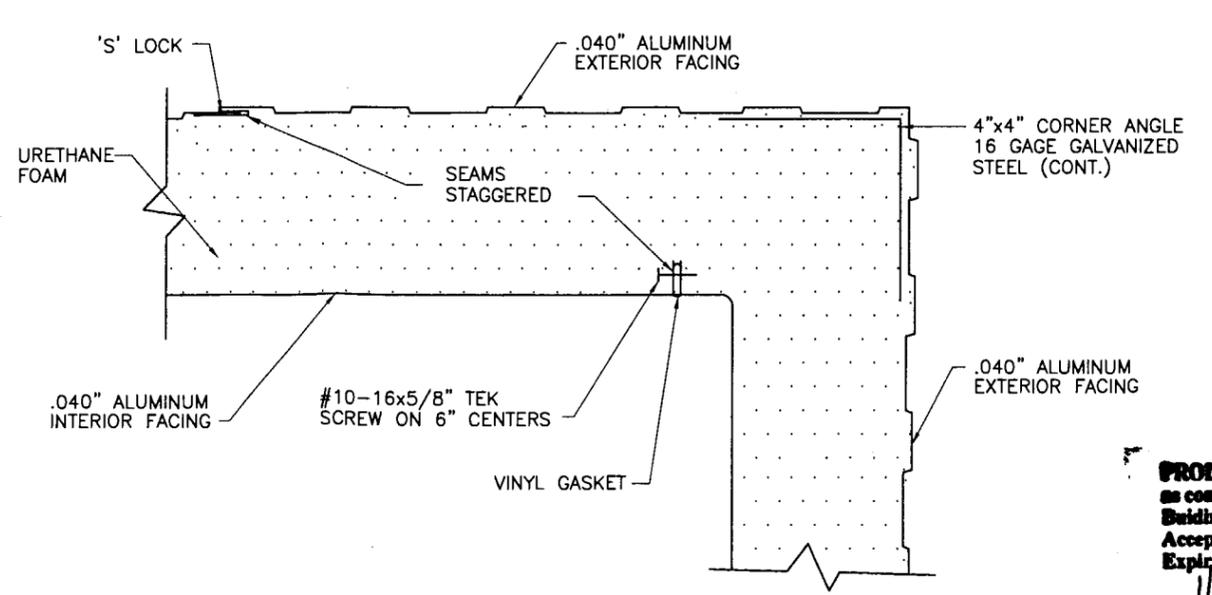
**SECTION A-A**  
SCALE: 3/8" = 1'-0"



**TYPICAL HORIZONTAL SECTION AT INTERIOR DIVIDING WALL**  
SCALE: 3" = 1'-0"

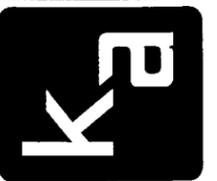


**SECTION B-B**  
SCALE: 3/8" = 1'-0"



**TYPICAL HORIZONTAL SECTION AT EXTERIOR WALL**  
SCALE: 3" = 1'-0"

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By *Helmut A. Moller*  
Miami Dade Product Control Division



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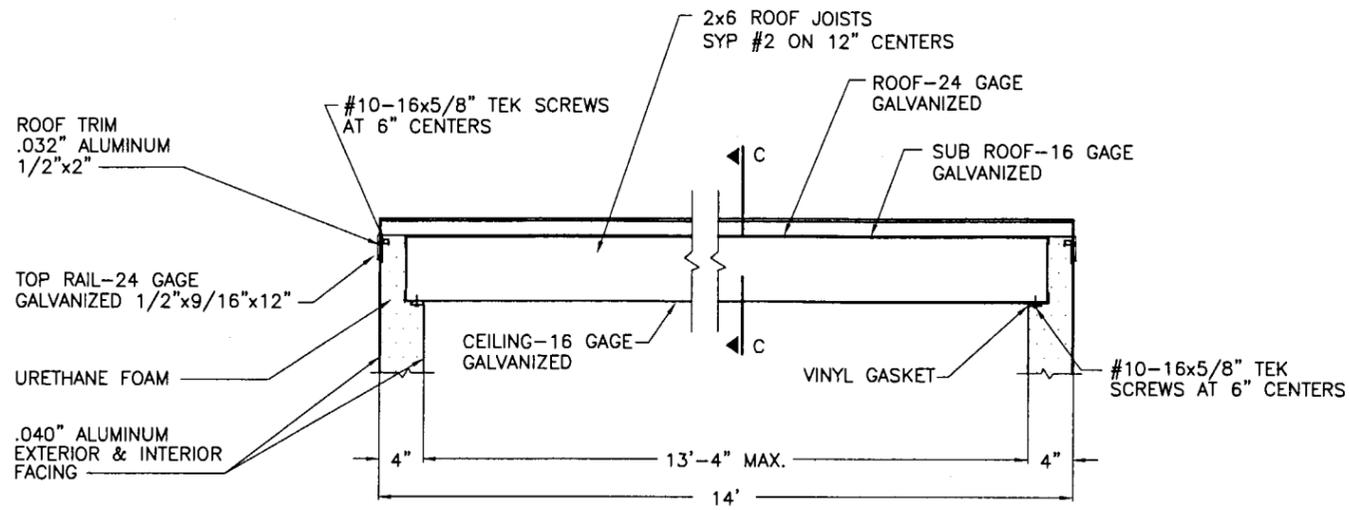
V.J. KNEZEVICH  
PROFESSIONAL ENGINEER  
FL License No: PE 0070983

JUN 14 2002

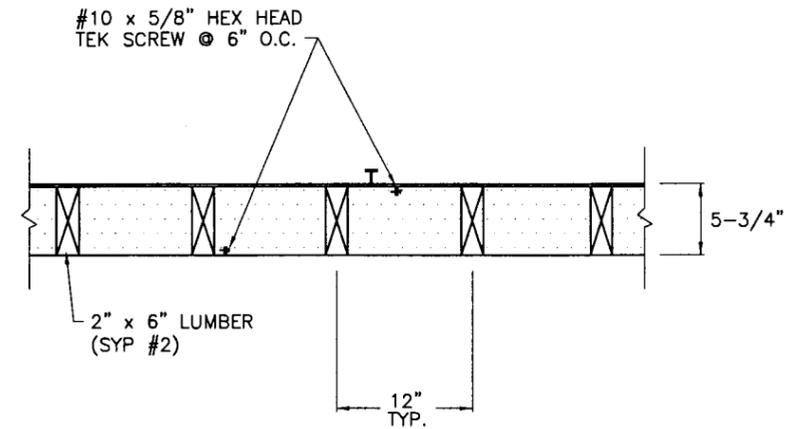
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date 04/22/1999  
scale AS NOTED  
design by ZMS  
checked by VJK  
drawing no. **99-053**  
sheet 3 of 7

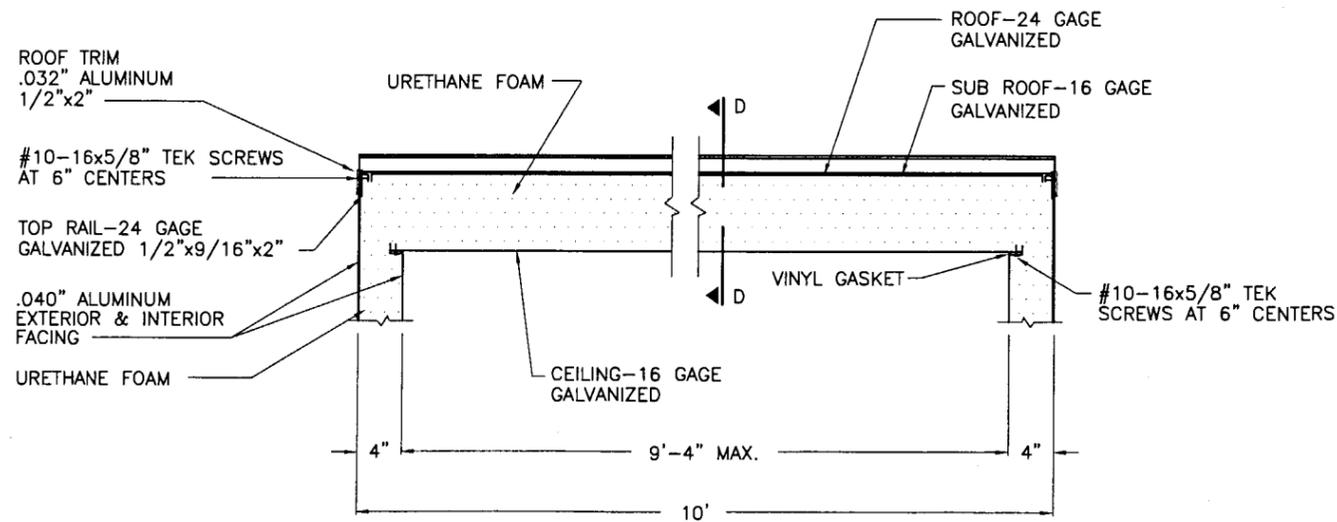
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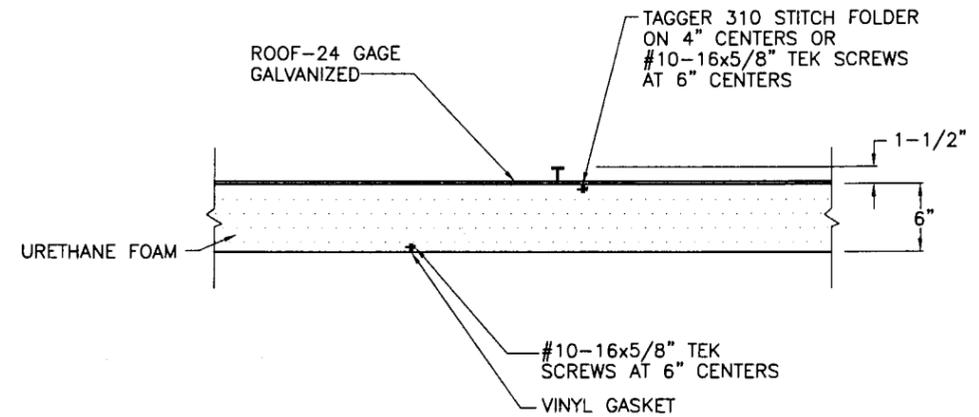
ROOF SECTION TYPE 1



SECTION C - C  
SCALE: 3/4" = 1'-0"

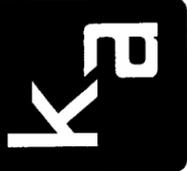


ROOF SECTION TYPE 2



SECTION D - D  
SCALE: 3/4" = 1'-0"

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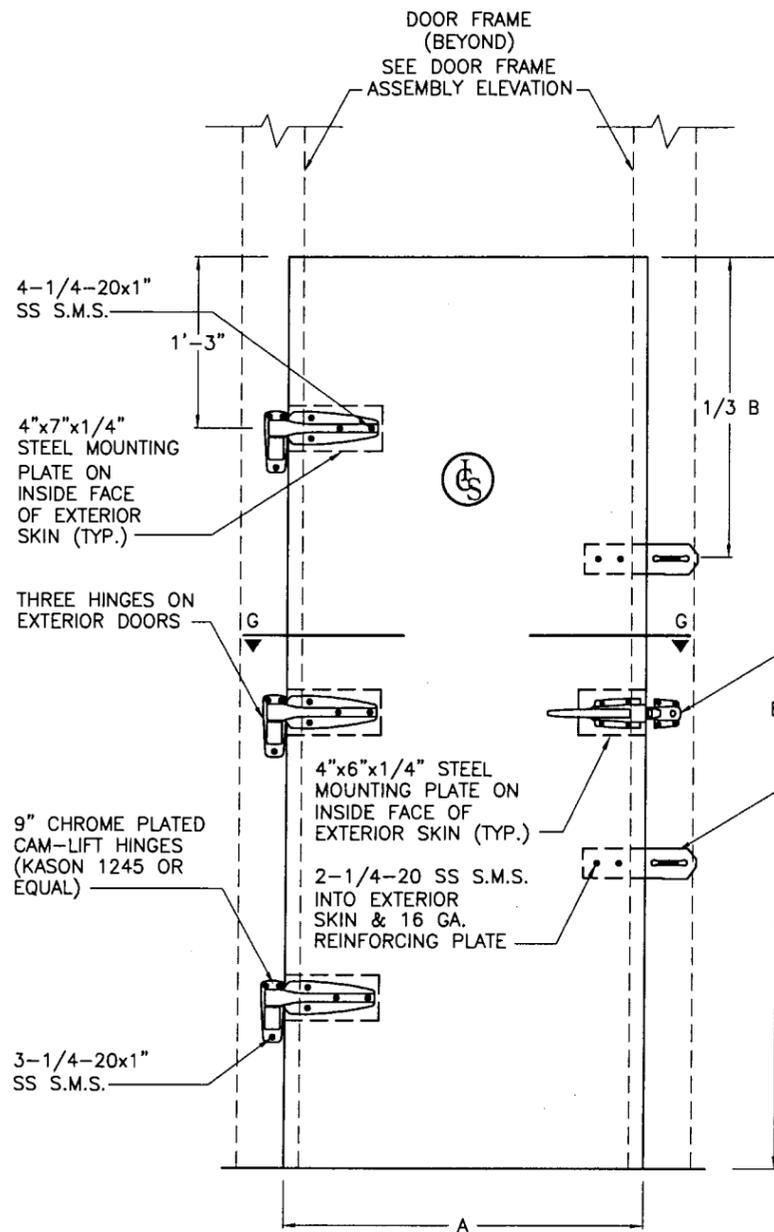
**V.J. KNEZEVICH**  
PROFESSIONAL ENGINEER  
FL License No. PE 0710983

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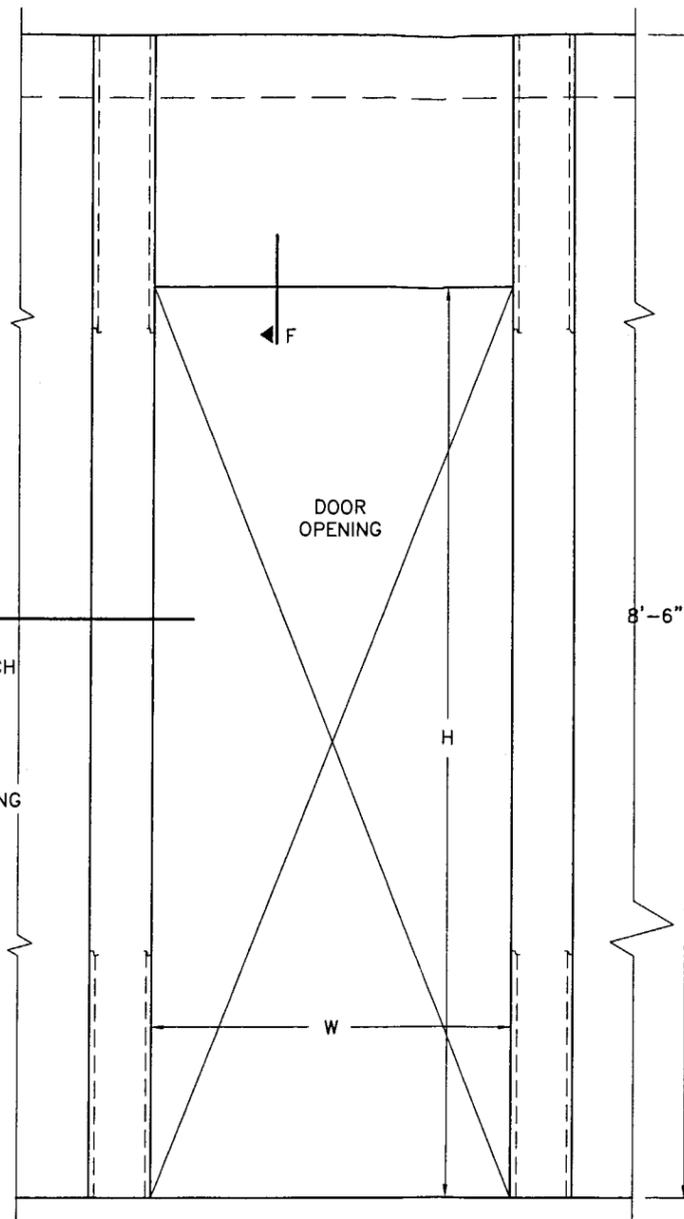
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2	06/12/02ZMS	FBC 2001 / RENEWAL

date 04/22/1999  
scale AS NOTED drawn by MCR  
design by ZMS checked by VJK  
drawing no. 99-053  
sheet 4 of 7

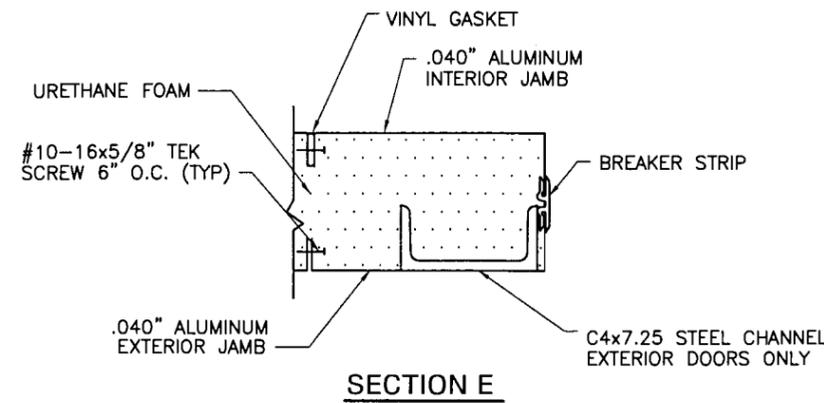
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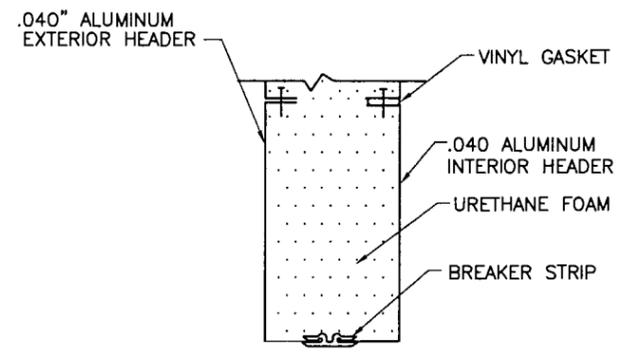
**TYPICAL 30" - 36" DOORS**  
SCALE: 3/4" = 1' - 0"



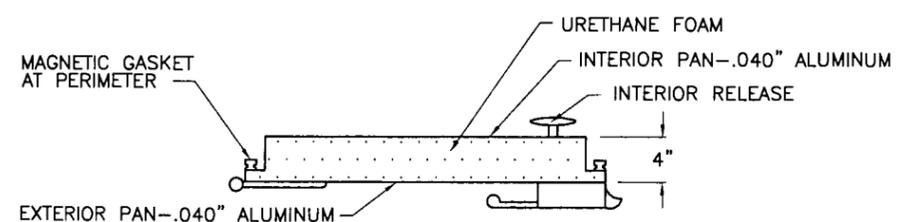
**ELEVATION - DOOR FRAME ASSEMBLY**  
SCALE: 3/4" = 1' - 0"



**SECTION E**



**SECTION F  
(THRU HEADER)**



**SECTION G - G**

DOOR SIZE W x H (IN)	A (IN)	B (IN)
30 x 72	32	74
30 x 78	32	80
36 x 72	38	74
36 x 78	38	80

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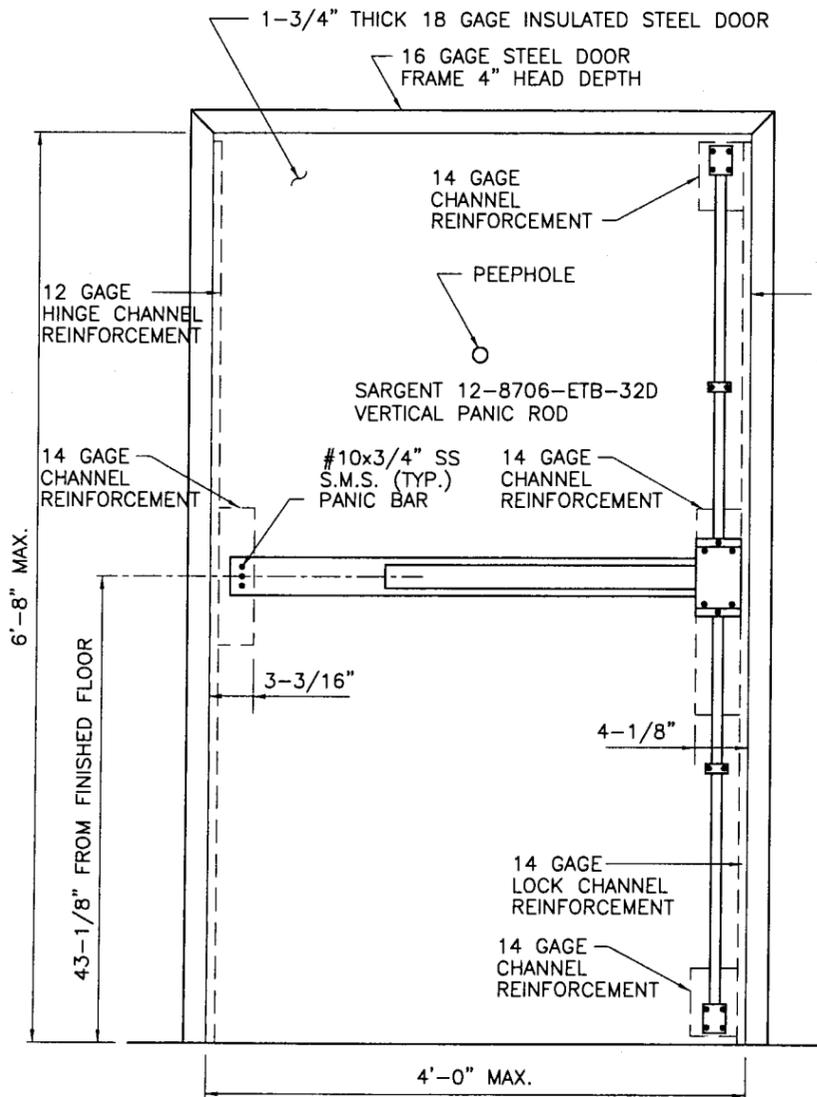
V.J. KNEZEVICH  
PROFESSIONAL ENGINEER  
FL License No: PE 0010983

JUN 14 2002

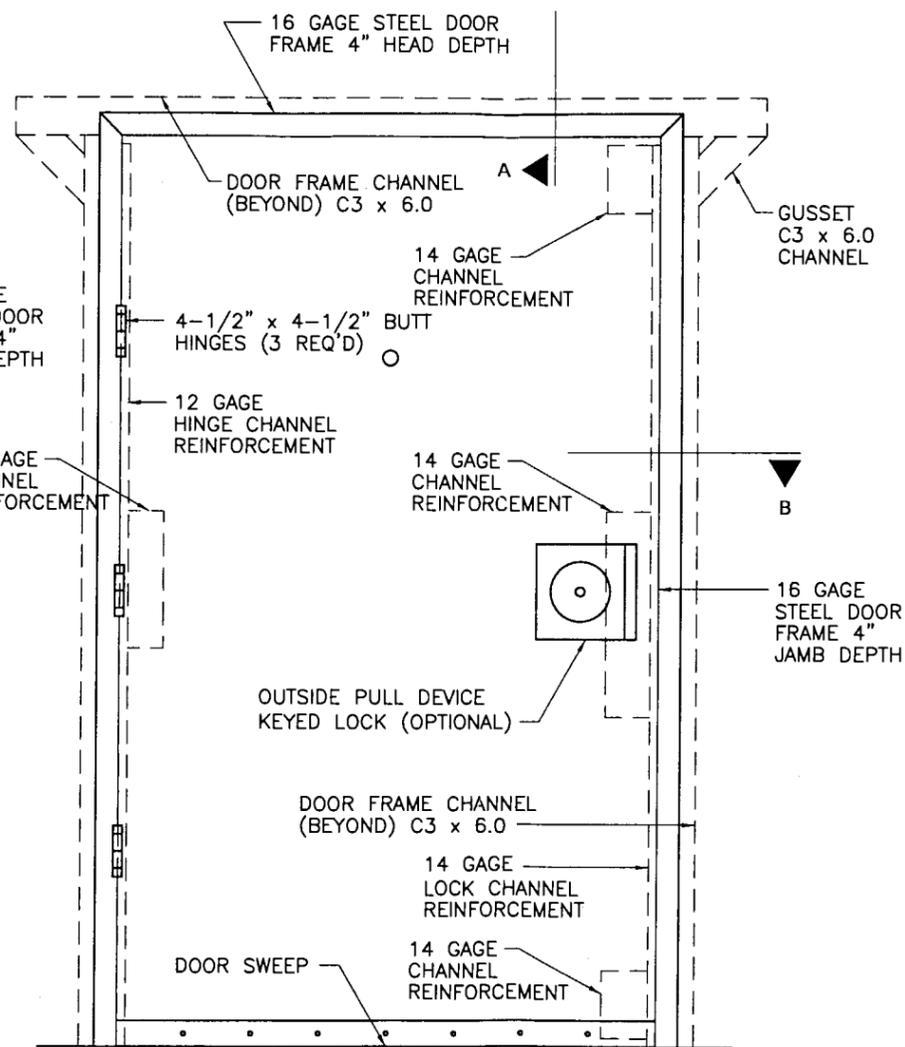
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2	06/12/02	ZMS - FBC 2001 / RENEWAL

date 04/22/1999  
scale AS NOTED drawn by MCR  
design by ZMS checked by VJK  
drawing no. **99-053**  
sheet 5 of 7

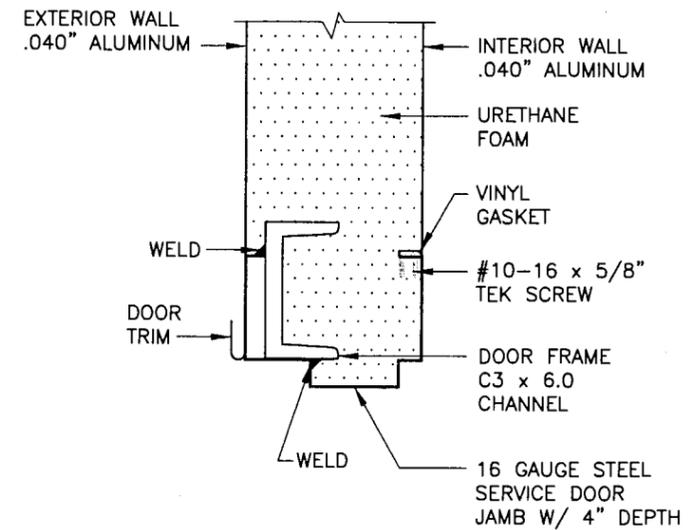
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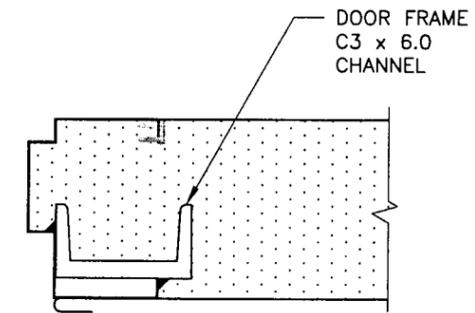
**SERVICE DOOR - VIEW FROM INSIDE**  
SCALE: 3/4" = 1'-0"



**SERVICE DOOR - VIEW FROM OUTSIDE**  
SCALE: 3/4" = 1'-0"



**SECTION A**  
SCALE: 3" = 1'-0"



**SECTION B**  
SCALE: 3" = 1'-0"

**NOTE:**  
SAME DETAILED DESCRIPTION  
AS SHOWN ABOVE ON SECTION A.

DOOR SIZES
36" x 80"
42" x 80"
48" x 80"



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1260 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33322  
TEL: (954) 382-2800 • FAX: (954) 382-2989 • FLORIDA COA #3205  
WEBSITE: WWW.KNEZEVICH.COM • E-MAIL: KA@KNEZEVICH.COM  
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**V.J. KNEZEVICH**  
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FL License No. FE 0076983

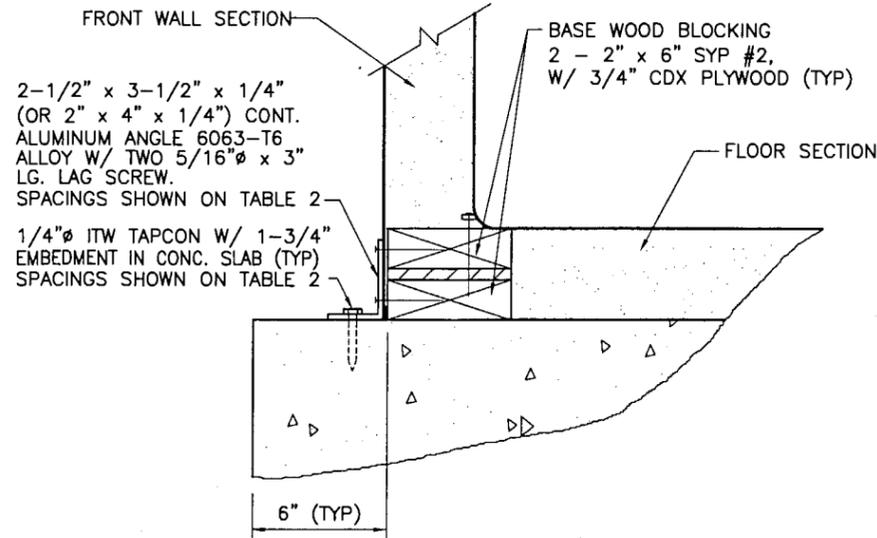
*[Signature]*  
JUN 14 2002

no.	date	description
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2	06/12/02	ZMS / RENEVAL

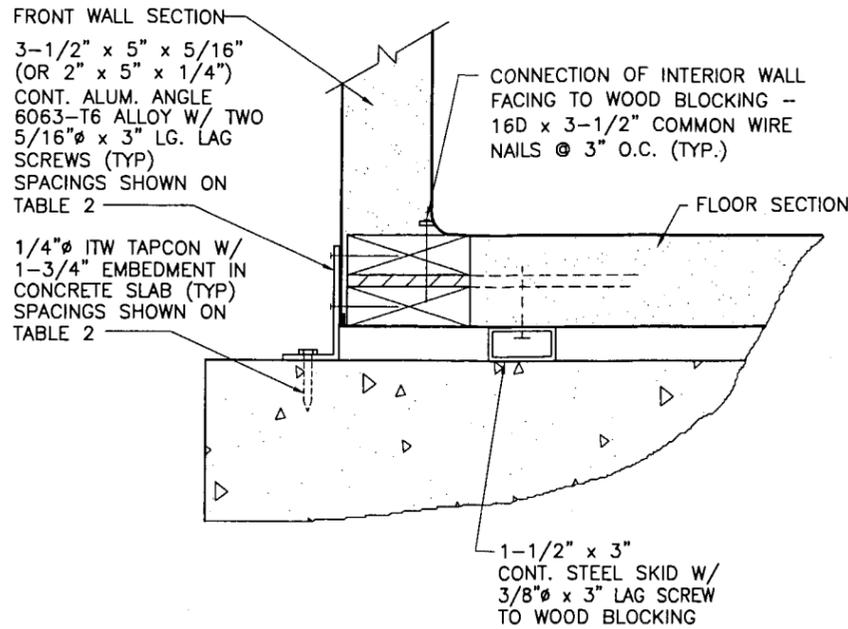
date 04/22/1999  
scale AS NOTED drawn by MCR  
design by ZMS checked by VJK  
drawing no. **99-053**  
sheet 6 of 7

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No. 02-0625.04  
Expiration Date 08/22/2007  
By *Helmut A. Knezevich*  
Miami Dade Product Control  
Division

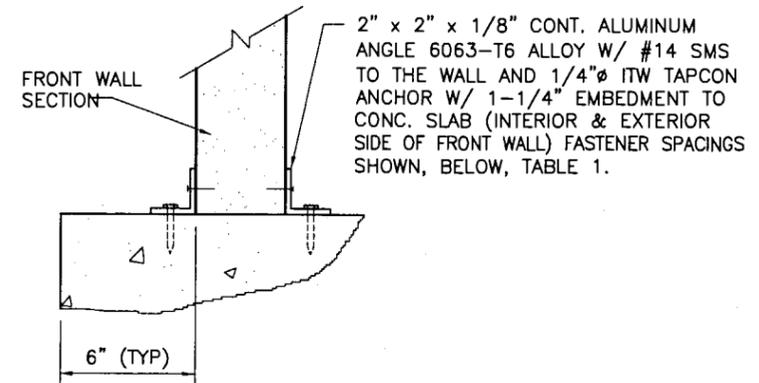
Print Information: \\hurricane\ka\CADD\Cadd99\99-053\92-sub\99-053-07.dwg MContu 06/14/2002 12:18:02pm



DETAIL **A** INSULATED FLOOR W/O SKIDS  
SCALE: 1-1/2" = 1'-0"



DETAIL **B** INSULATED FLOOR WITH SKIDS  
SCALE: 1-1/2" = 1'-0"



DETAIL **C** "FLOORLESS"  
(TYPICAL WALL TO SLAB CONNECTION)  
SCALE: 1-1/2" = 1'-0"

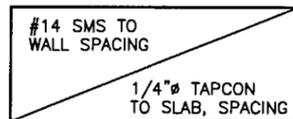


TABLE 1 ALLOWABLE UNIT LENGTH (L) FOR A GIVEN UNIT WIDTH (W) AND FASTENER SPACING \* (FLOORLESS UNITS, DETAIL C)

W	12" O.C.		8" O.C.		6" O.C.		4" O.C.	
	18" O.C.	12" O.C.	12" O.C.	9" O.C.	9" O.C.	6" O.C.	6" O.C.	
6'	6' - 16'	16' - 23'-7"	-	-	-	-	-	
7'	7' - 18'	18' - 28'	28' - 28'-4"	-	-	-	-	
8'	8' - 18'	18' - 30'	30' - 31'-2"	-	-	-	-	
9'	9' - 20'	20' - 34'	34' - 35'	-	-	-	-	
10'	10' - 20'	20' - 36'	36' - 38'-10"	-	-	-	-	
11'	11' - 22'	22' - 38'	38' - 42'-8"	-	-	-	-	
12'	12' - 23'	23' - 42'	42' - 46'-6"	-	-	-	-	
13'	13' - 25'	25' - 43'	43' - 50'	-	-	-	-	
14'	14' - 25'	25' - 45'	45' - 50'	-	-	-	-	

\* FASTENER SPACINGS SHOWN ABOVE COVER ZONE  $a$  (8'-0" FROM EACH SIDE WALL) AS NOTED IN SCHEME 1. FOR REMAINING LENGTH  $b$  USE: #14 SMS @ 12" O.C. TO THE WALL & 1/4" ITW TAPCON @ 18" O.C. TO CONCRETE SLAB (TYPICAL FOR ALL UNIT DIMENSIONS)

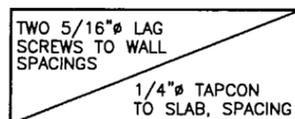


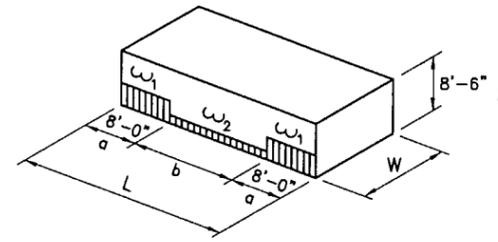
TABLE 2 ALLOWABLE UNIT LENGTH (L) FOR A GIVEN UNIT WIDTH (W) AND FASTENER SPACING \* (UNITS WITH INSULATED FLOOR, DETAILS A & B)

W	15" O.C.		10" O.C.		8" O.C.		5" O.C.	
	14" O.C.	10" O.C.	10" O.C.	7" O.C.	7" O.C.	5" O.C.	5" O.C.	
6'	6' - 16'	16' - 23'-7"	-	-	-	-	-	
7'	7' - 18'	18' - 28'	28' - 28'-4"	-	-	-	-	
8'	8' - 18'	18' - 30'	30' - 31'-2"	-	-	-	-	
9'	9' - 20'	20' - 34'	34' - 35'	-	-	-	-	
10'	10' - 20'	20' - 36'	36' - 38'-10"	-	-	-	-	
11'	11' - 22'	22' - 38'	38' - 42'-8"	-	-	-	-	
12'	12' - 23'	23' - 42'	42' - 46'-6"	-	-	-	-	
13'	13' - 25'	25' - 43'	43' - 50'	-	-	-	-	
14'	14' - 25'	25' - 45'	45' - 50'	-	-	-	-	

TABLE 3 FOUNDATION LOAD TABLE \* (PLF)

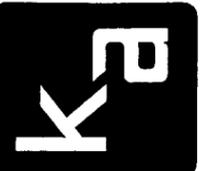
L \ W	< 8'		> 8' - 10'		> 10' - 12'		> 12' - 14'	
	$w_1$	$w_2$	$w_1$	$w_2$	$w_1$	$w_2$	$w_1$	$w_2$
< 20'	±472	-95	±397	-122	±364	-149	±350	-176
20' - 30'	±673	-95	±551	-122	±485	-149	±450	-176
30' - 40'	±875	-95	±700	-122	±607	-149	±551	-176
40' - 50'	-	-	-	-	±728	-149	±629	-176

- \* NOTES:
- LOADS SHOWN ARE NET UPLIFT FORCES DUE TO WIND PRESSURE.
  - FOUNDATION SHALL BE DESIGNED TO RESIST OVERTURNING AND UPLIFT FORCES WITH SAFETY FACTOR = 1.5.
  - DEAD AND LIVE LOADS SHALL BE BASED UPON LOADS SPECIFIED IN GENERAL NOTES.
  - CONCRETE TO DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AFTER 28 DAYS.



SCHEME 1 - DISTRIBUTION OF OVERTURNING & UPLIFT WIND FORCES

**PRODUCT RENEWED**  
as complying with the Florida Building Code  
Acceptance No. 02-0625.04  
Expiration Date 08/22/2007  
By *Helmut A. Malar*  
Miami Dade Product Control Division



**KNEZEVICH & ASSOCIATES, INC.**  
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**V.J. KNEZEVICH**  
PROFESSIONAL ENGINEER  
FL License No. PE 0010983

JUN 14 2002

no.	date	description
1	04/22/99	PREV. DRAWING No. 99-053
2	06/12/02	RENEWAL

date 04/22/1999  
scale AS NOTED  
design by ZMS  
checked by VJK  
drawing no. **99-053**  
sheet 7 of 7