



MIAMI-DADE COUNTY
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

www.miamidade.gov

NOTICE OF ACCEPTANCE (NOA)

McQuay International
13600 Industrial Park Blvd.
Plymouth, MN 55441

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: Vision / Skyline Air Handling Unit

APPROVAL DOCUMENT: Drawing No. 1516, titled " Vision / Skyline Air Handling Unit ", sheets 1 through 8 of 8, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated August 20, 2007, signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and the approval 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 consists of this page 1, evidence submitted page E-1 as well as approval document mentioned above. The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
04/17/2008

NOA No. 07-1003.03
Expiration Date: 04/17/2013
Approval Date: 04/17/2008
Page 1

McQuay International

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. 1516, titled " Vision / Skyline Air Handling Unit ", sheets 1 through 8 of 8, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated August 20, 2007, signed and sealed by Warren W. Schaefer, P.E.*

B. TESTS

1. *Test reports on 1) Uniform Static Air Pressure Test, Loading per TAS 202-94, 2) Large Missile Impact Test per TAS 201-94, 3) Cyclic Wind Pressure Loading per TAS 203-94, along with marked-up drawings and installation diagram of Vision/Skyline Air Handling Unit, prepared by Architectural Testing, Test Report No. 72777.01-201-18, dated 05/25/07, signed and sealed by Joseph A. Reed, P.E.*
2. *Test reports on 1) Uniform Static Air Pressure Test, Loading per TAS 202-94, 2) Large Missile Impact Test per TAS 201-94, 3) Cyclic Wind Pressure Loading per TAS 203-94, along with marked-up drawings and installation diagram of Vision/Skyline Air Handling Unit, prepared by Architectural Testing, Test Report No. 66799.01-201-18, dated 08/23/07, signed and sealed by Joseph A. Reed, P.E.*

C. CALCULATIONS

1. *Calculation of Panel Fastener Suitability, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 08/29/07, signed and sealed by W. W. Schaefer, P.E.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

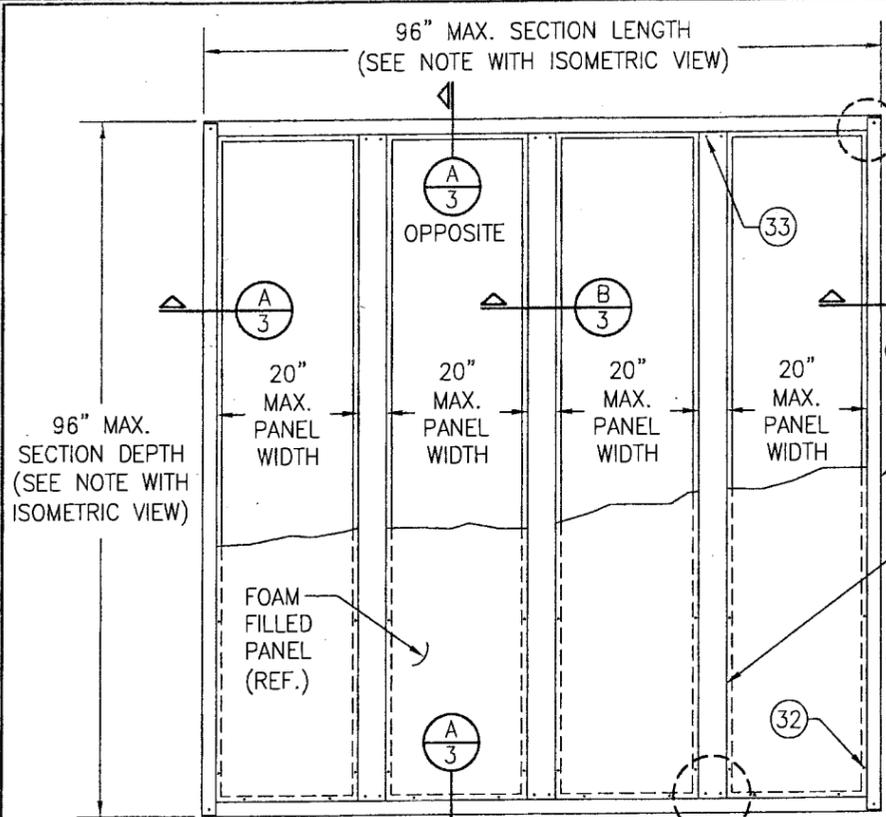
1. *Tensile test report by Architectural Testing, Test Report No. 66799.01-201-18, dated 08/23/07, signed and sealed by Joseph A. Reed, P.E.*
2. *Tensile test report by Architectural Testing, Test Report No. 72777.01-201-18, dated 05/25/07, signed and sealed by Joseph A. Reed, P.E.*

F. STATEMENTS

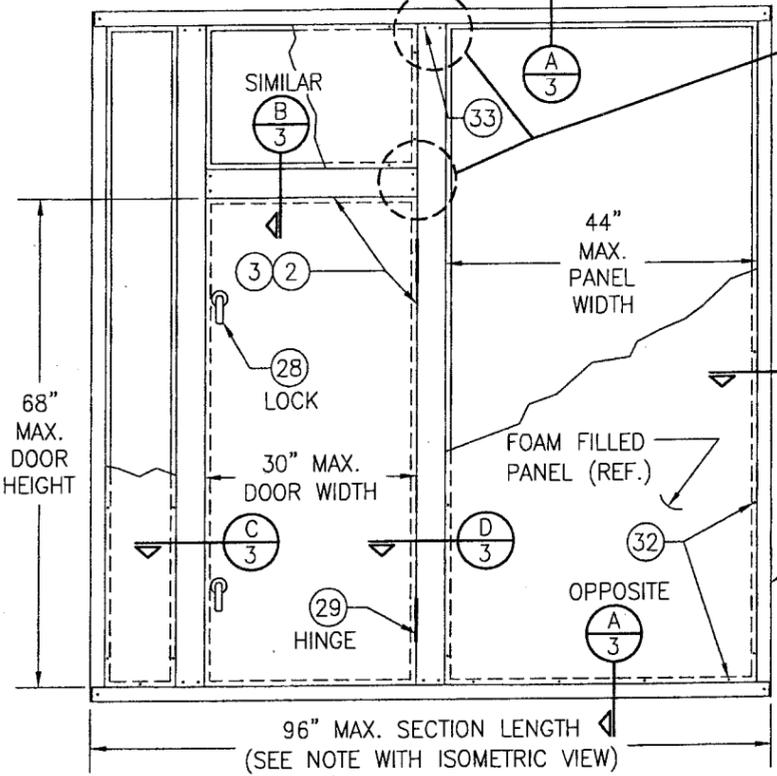
1. *Statement letter of conformance, signed and sealed by W. W. Schaefer, P.E.*



Helmy A. Makar, P.E., M.S.
Product Control Examiner
NOA No. 07-1003.03
Expiration Date: 04/17/2013
Approval Date: 04/17/2008



TOP VIEW: AIR HANDLING BOX SECTION
BOTTOM VIEW IS SAME



FRONT VIEW: AIR HANDLING BOX SECTION

BACK VIEW IS SIMILAR EXCEPT THAT INTERMEDIATE SHOWN LEFT OF DOOR IS POSITIONED MIDWAY BETWEEN THE MIDDLE INTERMEDIATE AND THE BOX EDGE.

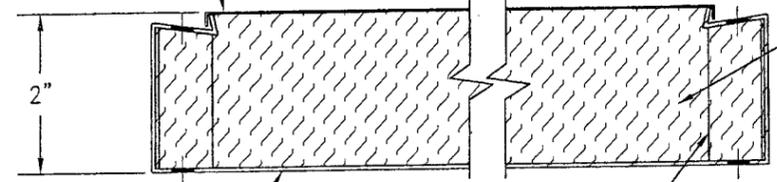
BOX FRAME CORNER CONSTRUCTION:
EACH FRAME MEMBER IS END CUT TO FORM 2 FLANGES PER END. THE VERTICAL AND 2 HORIZONTAL FRAME MEMBERS ARE THEN LAPPED TOGETHER AND SECURED WITH THREE(3) 5/16-18 X 3/4" GR. 5 F.H. THREAD TAPPING SCREWS.

QUANTITY DEPENDS ON THE UNIT LENGTH

END CONNECTION OF INTERMEDIATES TO CORNER FRAMING & OTHER INTERMEDIATE:
AFTER FRAMING ASSEMBLY, PLACE THE INTERMEDIATE END AGAINST THE CHANNEL FRAME OR INTERMEDIATE FLANGE & FLANGE GASKET & SECURE TO THE CHANNEL FRAME/INTERMEDIATE FLANGE WITH 2 NO. 14-10 X 2.5" TORX WAFFER HEAD TAP FORMING SCREWS THROUGH BOTH THE INTERMEDIATE & ITS LINER AND INTO THE SUPPORTING FLANGE (REF. DETAIL ON SHEET 3)

TWO COMPONENT POLYURETHANE FOAM INSULATION SYSTEM EXPANDED WITH HFC-134A & WATER. COMPONENT "A" VORACOR CE 108 FROM DOW (McQUAY PART #0112054101) IS MIXED WITH COMPONENT "B" VORACOR CD 865 FROM DOW (McQUAY PART #0112054201) AT A RATIO OF 100 PARTS OF "A" TO 70 PARTS OF "B". AMOUNT OF MATERIAL NEEDED IS 2.1 LBS OF FOAM PER CUBIC FOOT OF INSULATION SPACE (EQUIVALENT TO AN R VALUE OF 13).

50 KSI GALV. STEEL 0.022" THICK INNER LINER



50 KSI GALV. STEEL 0.046" THICK OUTER PANEL

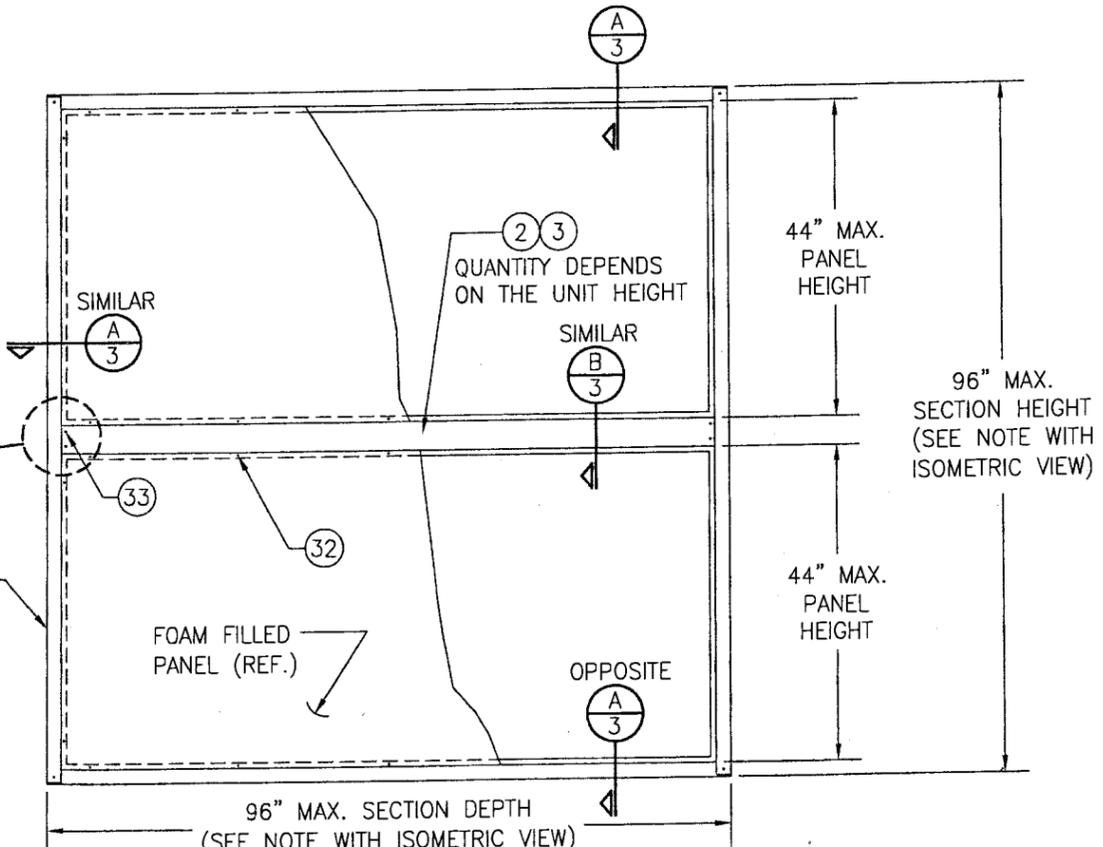
PANEL CROSS SECTION
SCALE: 1/2" FULL

PLACE SPACER PART NUMBER 11 AT EACH PREDRILLED HOLE TO RESIST ANCHOR COMPRESSION OF PANEL

FOAM DATA	
DENSITY	2.1 LB/CFT
FLAME SPREAD INDEX	0
SMOKE DENSITY INDEX	5

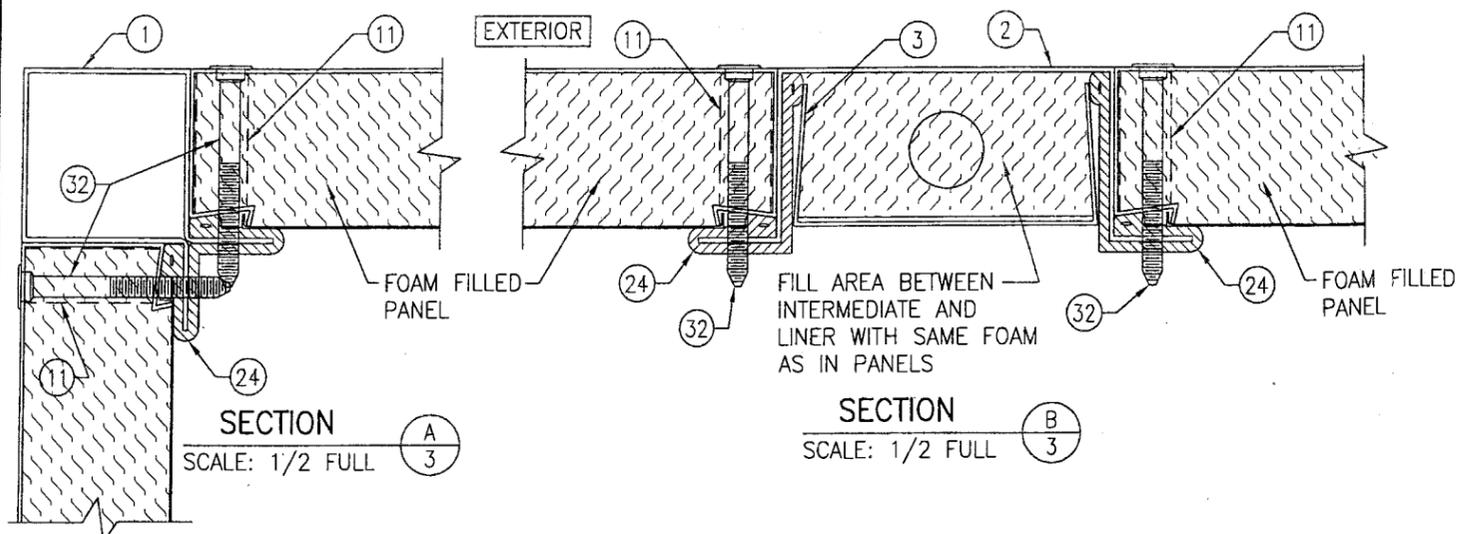
NOTE: FLAME SPREAD & SMOKE DENSITY TESTING WAS COMPLETED USING ASSEMBLED PANEL SECTIONS.

Approved as complying with the Florida Building Code
Date: 04/17/2008
NOA: 07-1003.03
Miami Code Product Control
Division By: *Helmy A. Alab*



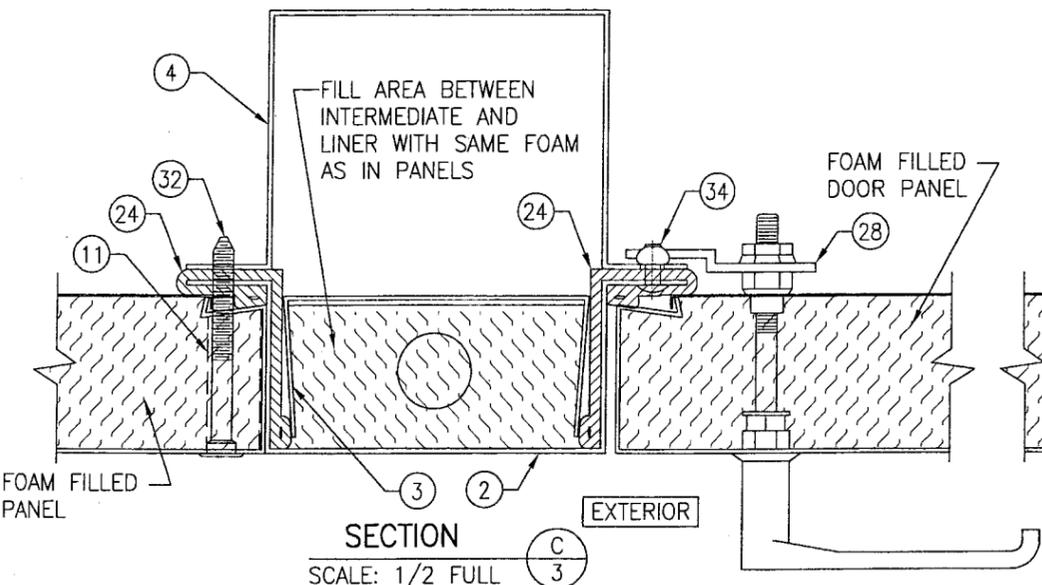
SIDE VIEW: AIR HANDLING BOX SECTION
SCALE: 1/2"=1'-0"

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=24	DATE: 08/20/07
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE VISION/SKYNE AIR HANDLING UNIT	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	MANUFACTURER MCQUAY INTERNATIONAL
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	13600 INDUSTRIAL PARK BLVD. MINNEAPOLIS, MN 55441 800-432-1342
CERTIFICATION MAR 06 2008	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1516	REV.
SHEET NO. 2	OF 8

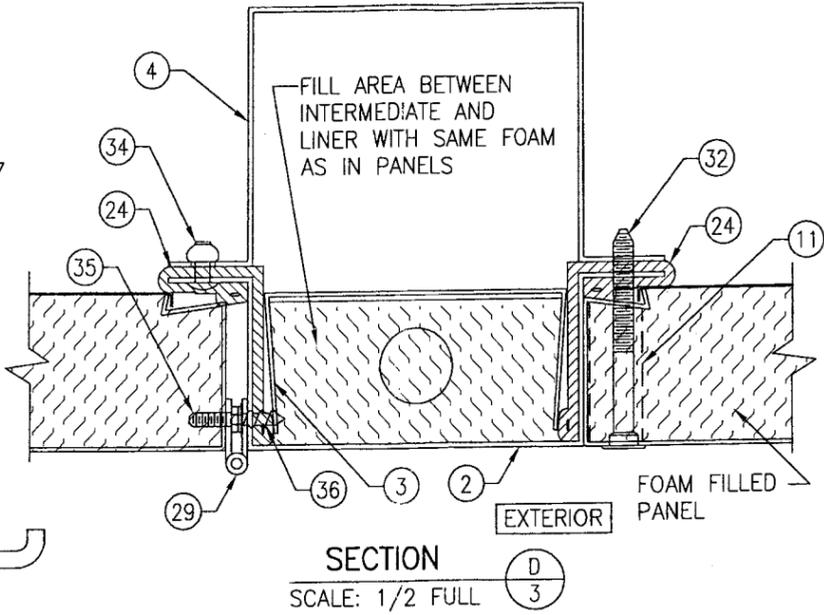


SECTION A
SCALE: 1/2 FULL

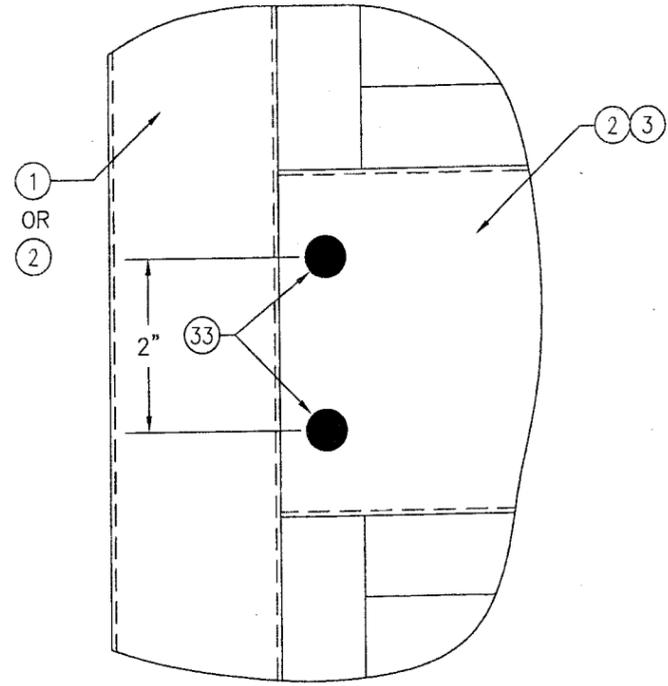
SECTION B
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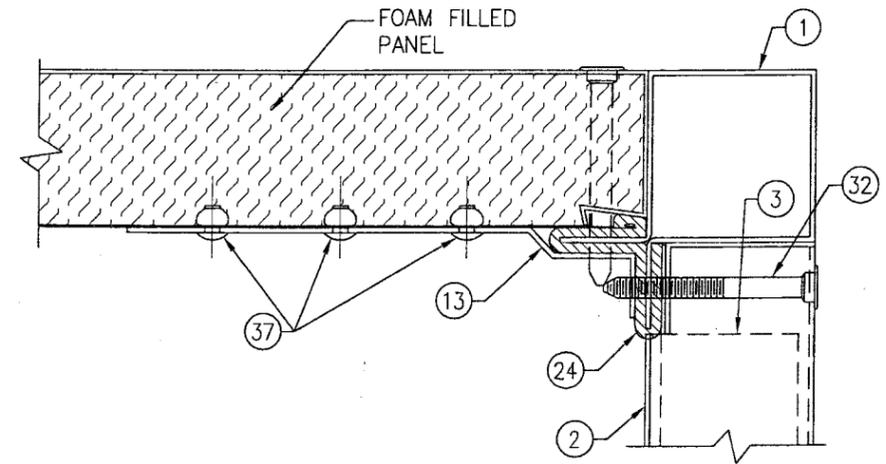
SECTION C
SCALE: 1/2 FULL



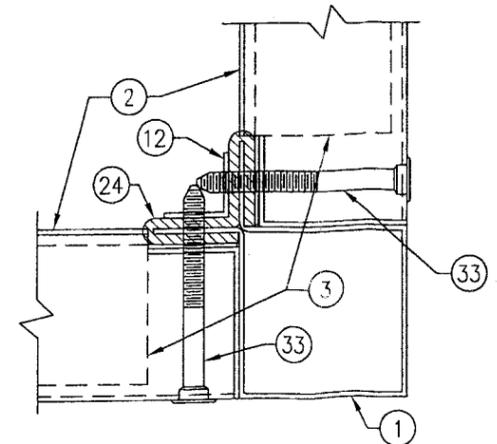
SECTION D
SCALE: 1/2 FULL



EXTERIOR VIEW:
INTERMEDIATE END CONNECTION DETAIL
PANELS NOT SHOWN FOR CLARITY.



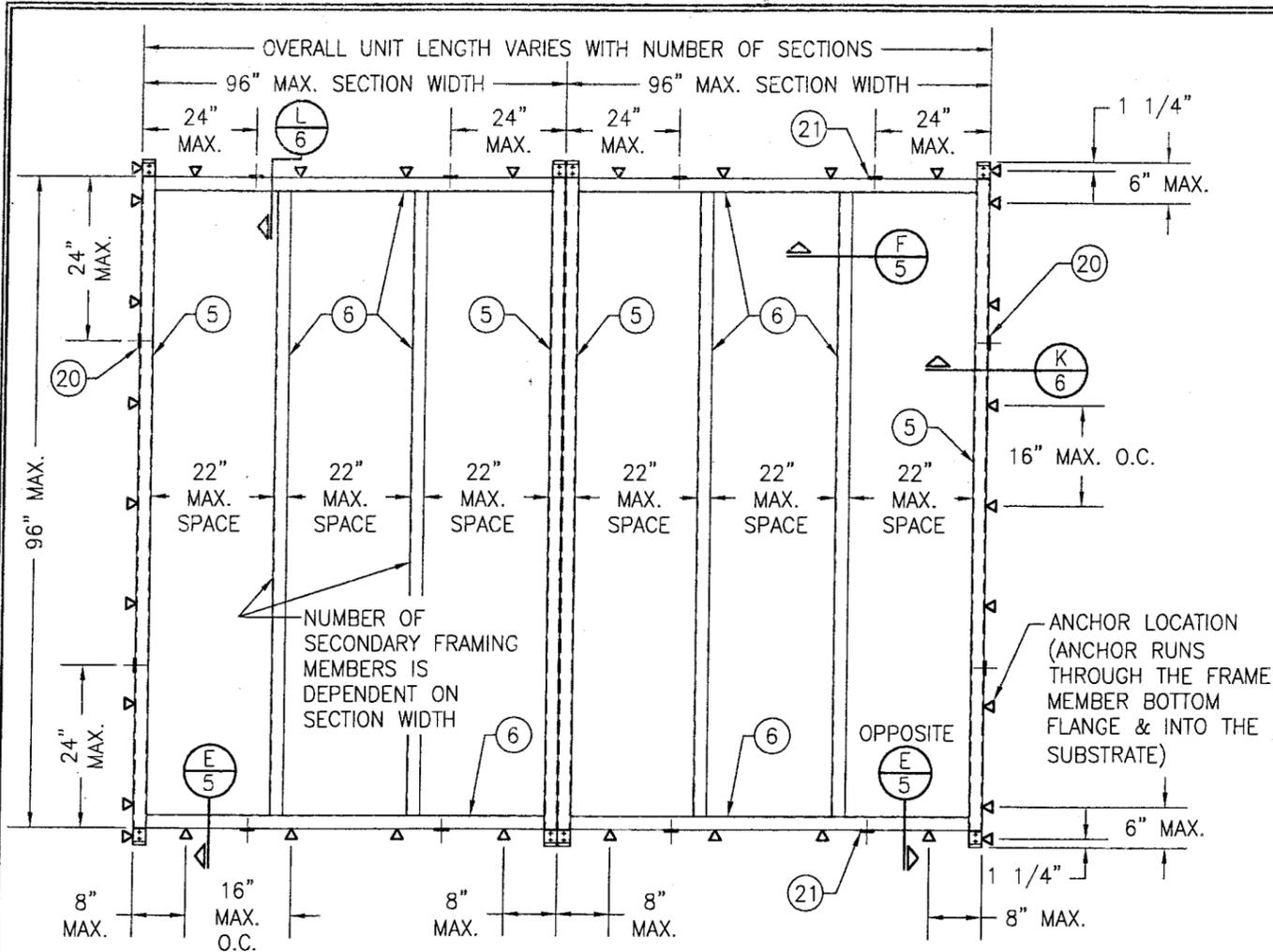
CORNER STRAP REINFORCEMENT DETAIL
OCCURS WHERE INTERMEDIATE ENDS MEET A PANEL



CORNER ANGLE REINFORCEMENT DETAIL
OCCURS WHERE INTERMEDIATE ENDS MEET EACH OTHER AT A CORNER

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Date: 04/17/2008
NOA#: 07-1003.03
Miami Dade Precursor Control Division
By: *Heley A. Melton*

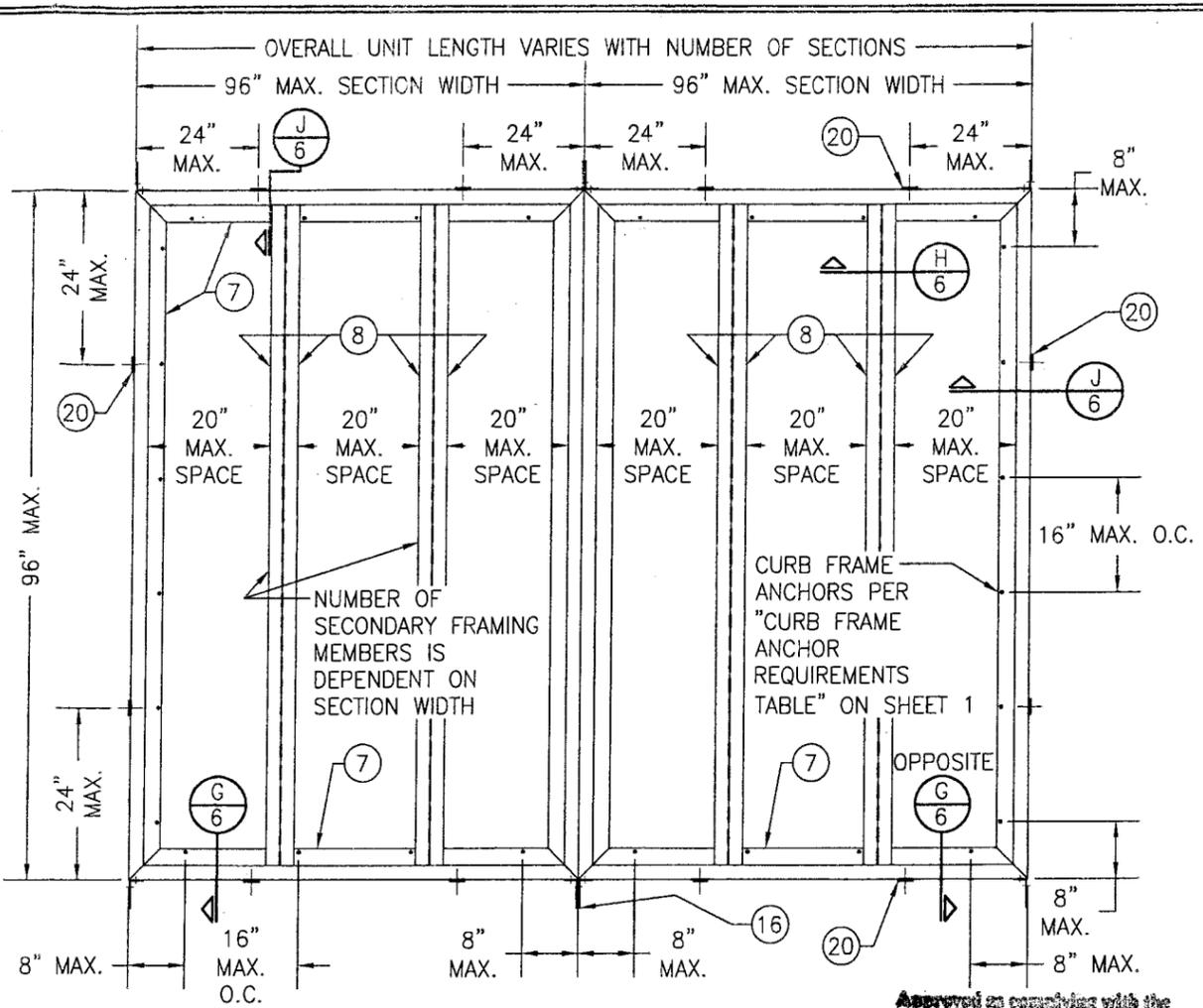
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 08/20/07
NO.	REVISION DESCRIPTION
DATE	BY
DRAWING TITLE VISION/SKYNE AIR HANDLING UNIT	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4802 FAX: 561-775-4903	MANUFACTURER MCQUAY INTERNATIONAL 13600 INDUSTRIAL PARK BLVD. MINNEAPOLIS, MN 55441 800-432-1342
CERTIFICATION MAR 06 2008	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1516	REV.
SHEET NO. 3	OF 8



TOP VIEW; BASE RAIL FRAMING

(BASE OPTION 1)

AIR HANDLING BOX NOT SHOWN FOR CALRITY.

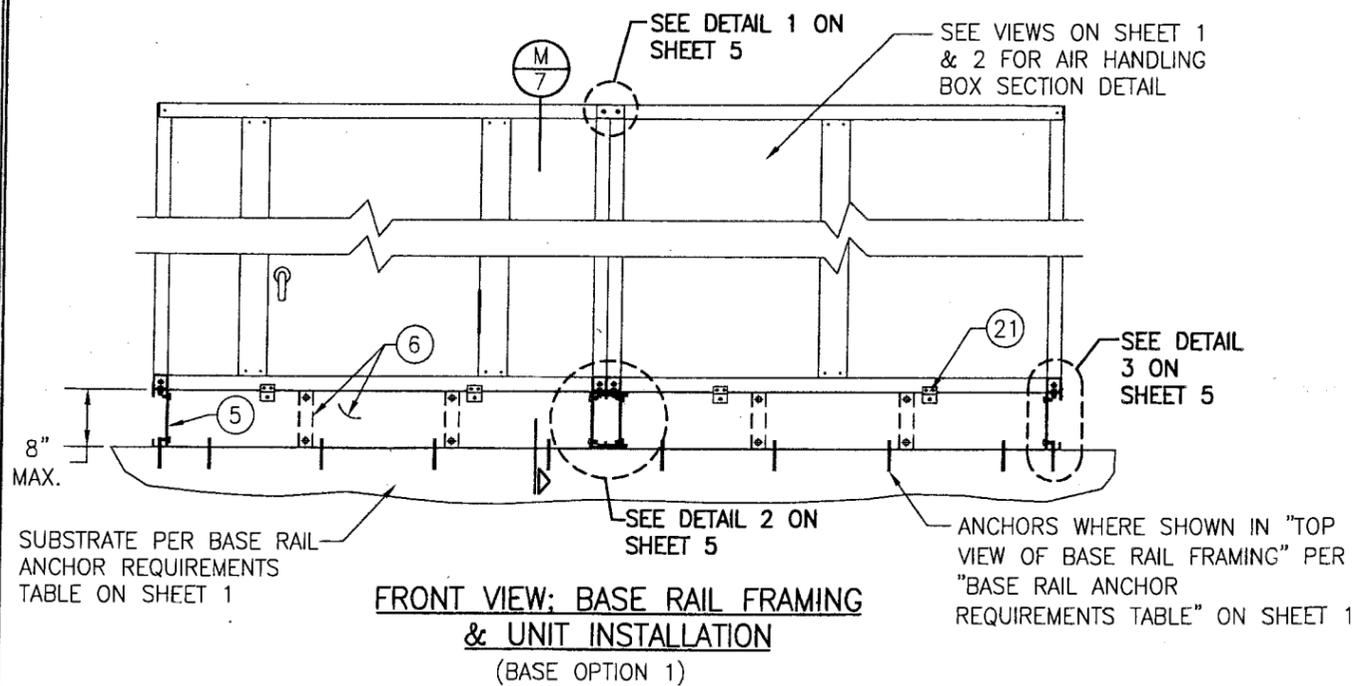


TOP VIEW; BASE CURB FRAMING

(BASE OPTION 2)

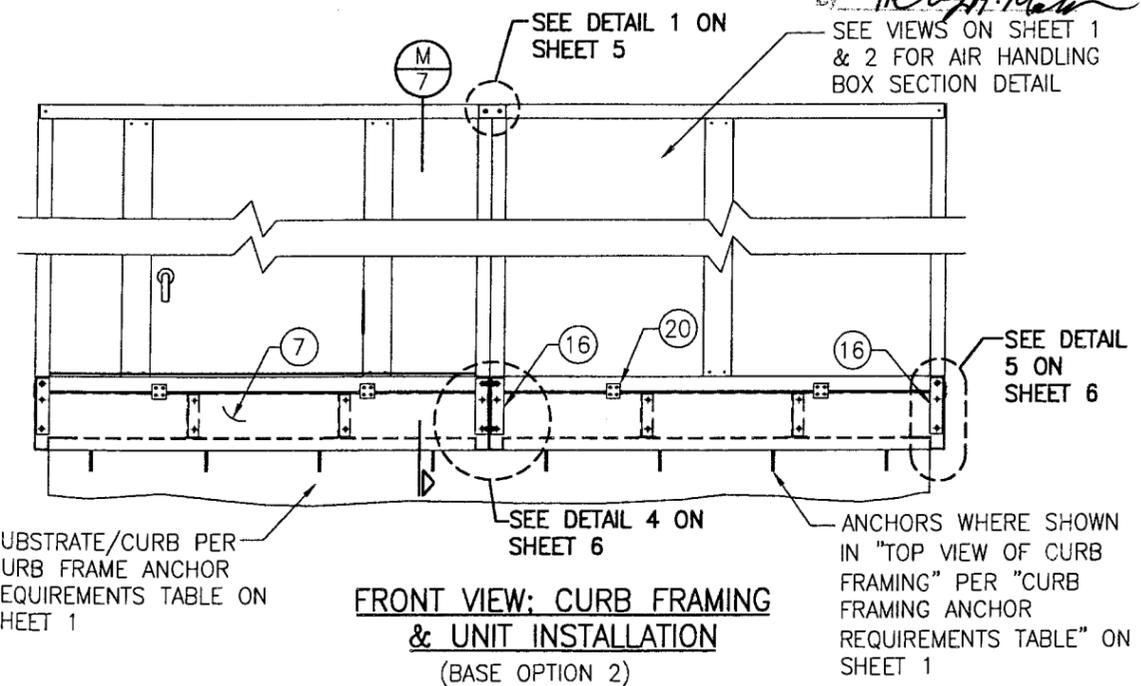
AIR HANDLING BOX NOT SHOWN FOR CALRITY.

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Florida Building Code
Date 04/17/2008
NOA# 07-1003.03
Miami Dade Product Control
Division
By *Healy A. Mah*



FRONT VIEW; BASE RAIL FRAMING & UNIT INSTALLATION

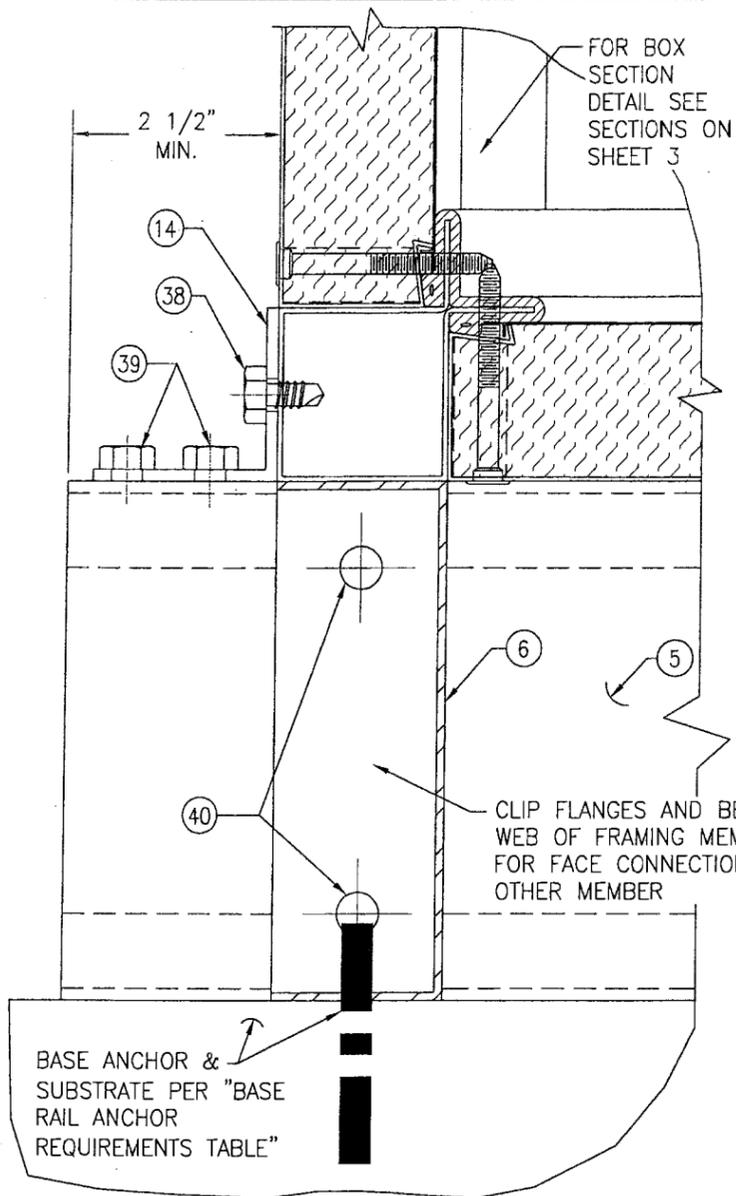
(BASE OPTION 1)



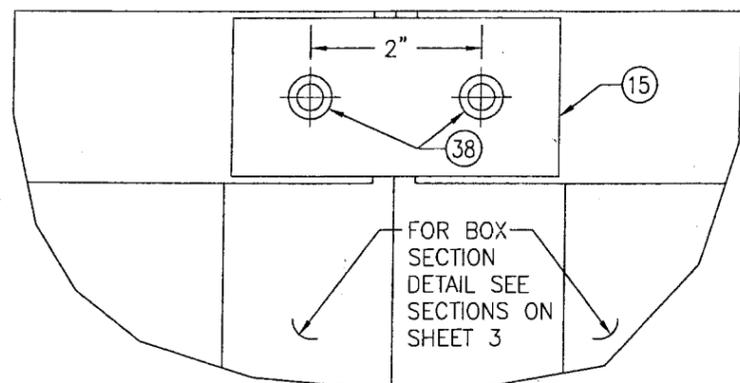
FRONT VIEW; CURB FRAMING & UNIT INSTALLATION

(BASE OPTION 2)

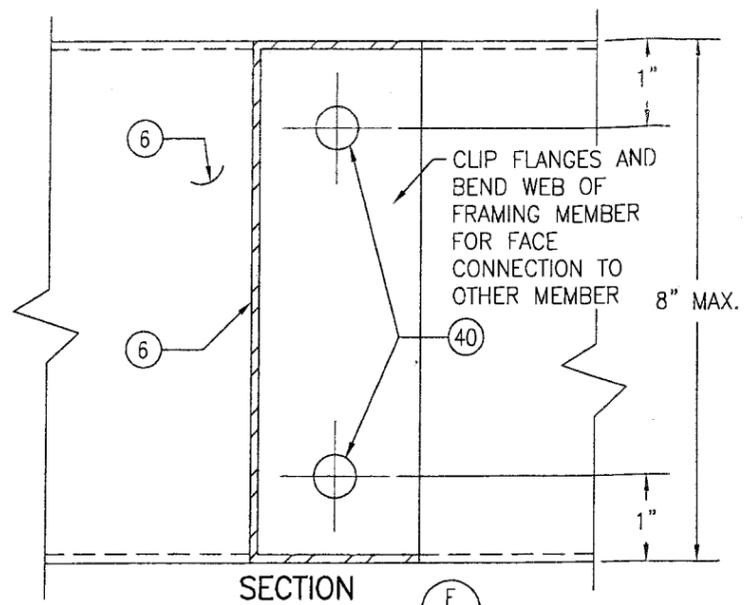
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PLOT: 1-24		DATE: 08/20/07	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: VISION/SKYLINE AIR HANDLING UNIT			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: MCQUAY INTERNATIONAL	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		13600 INDUSTRIAL PARK BLVD. MINNEAPOLIS, MN 55441 800-432-1342	
CERTIFICATION: MAR 06 2008			
DRAWING NO. 1516			
SHEET NO. 4 OF 8			



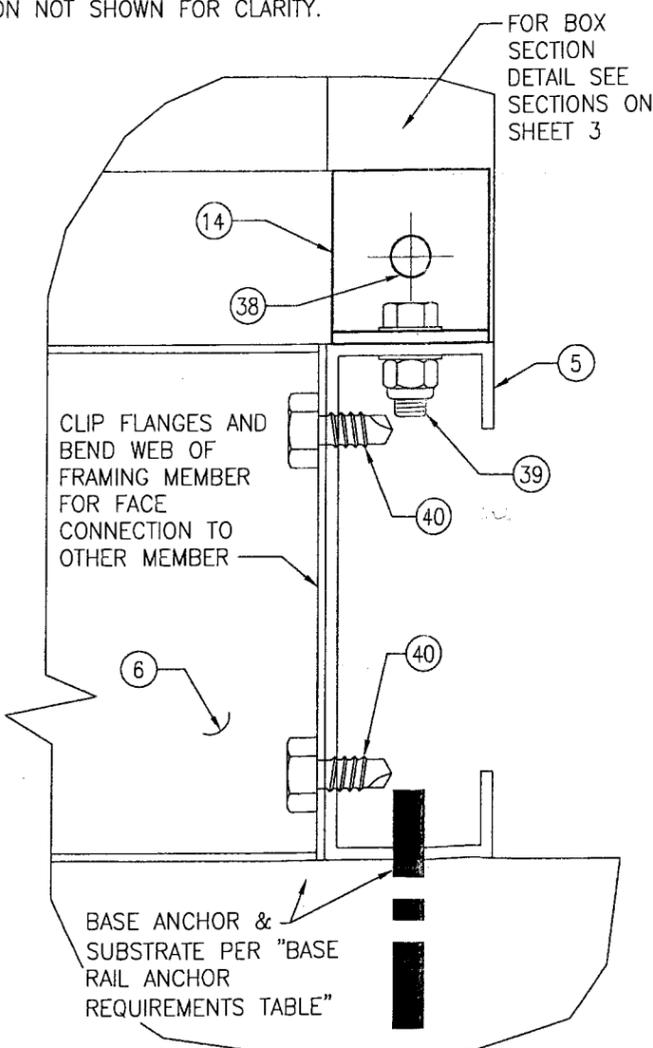
SECTION E
SCALE: 1/2 FULL



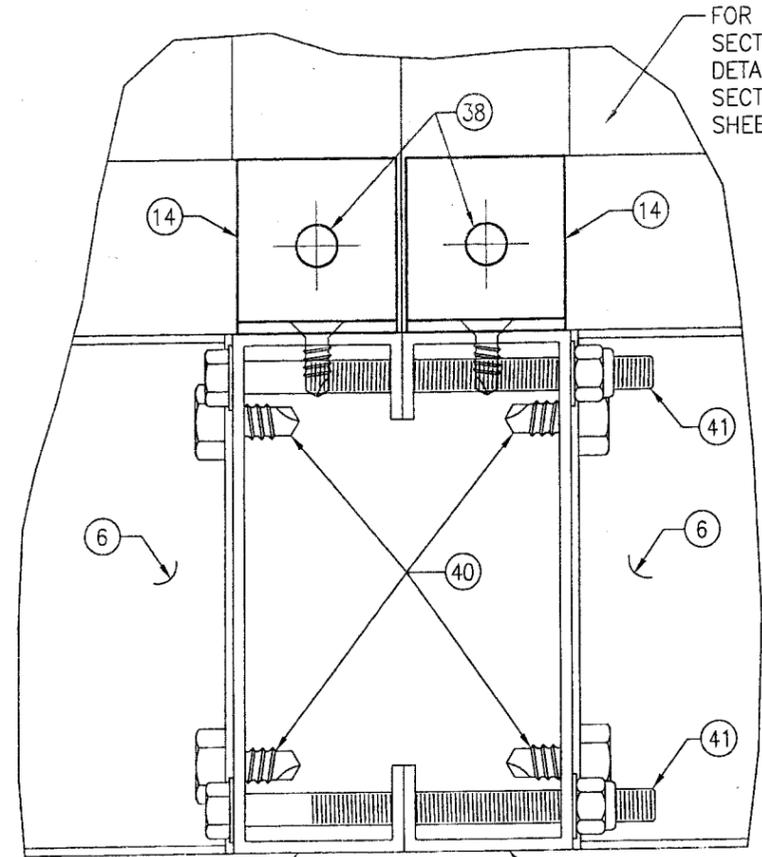
DETAIL 1
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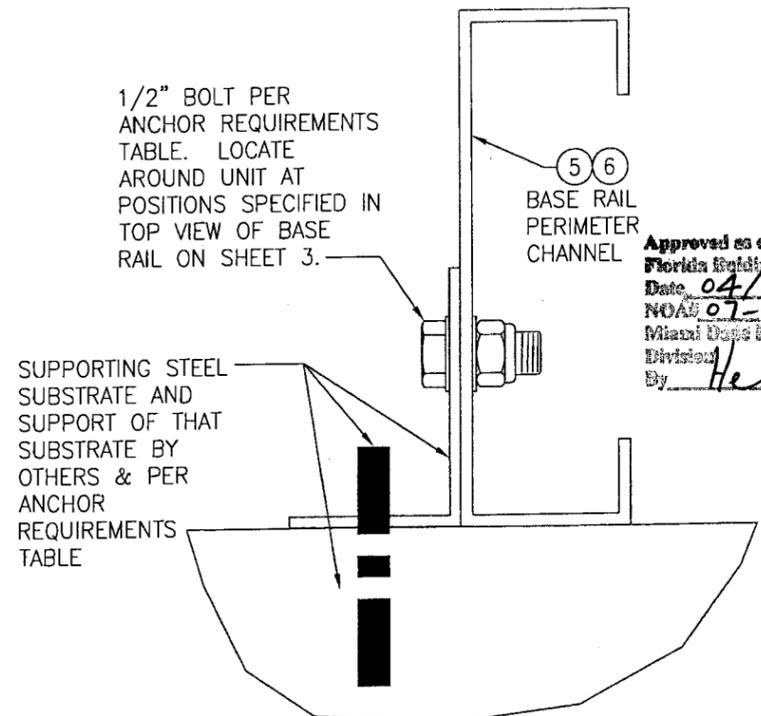
SECTION F
SCALE: 1/2 FULL
BOX SECTION NOT SHOWN FOR CLARITY.



DETAIL 3
SCALE: 1/2 FULL



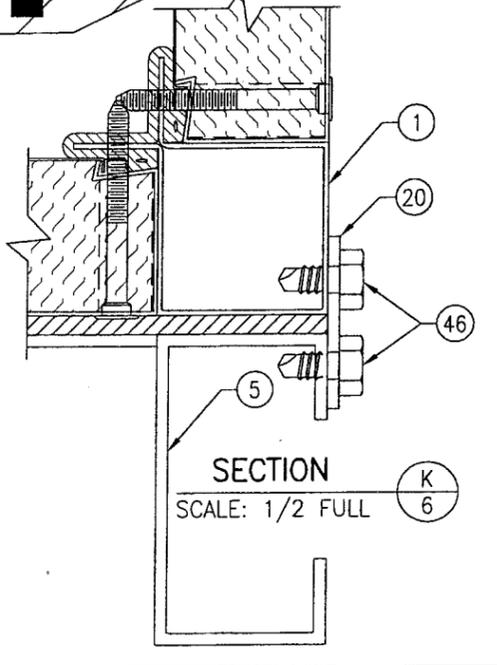
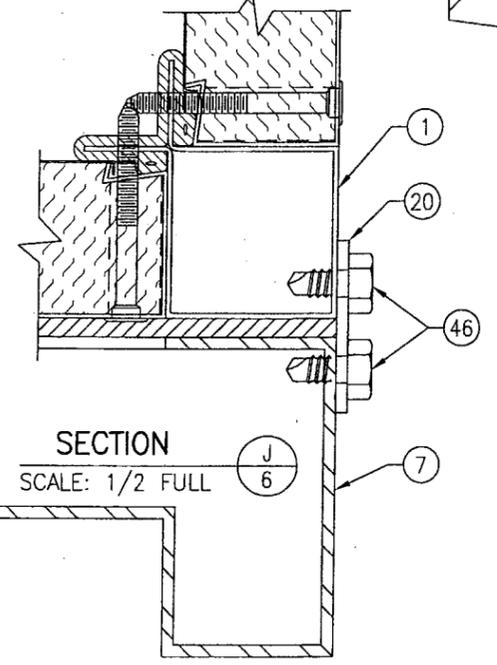
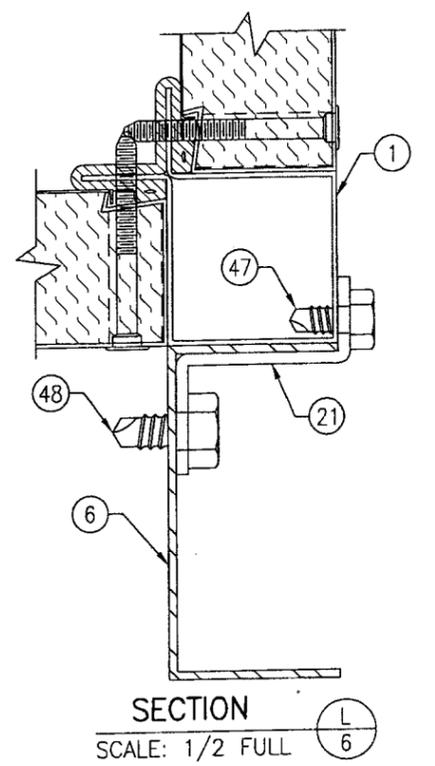
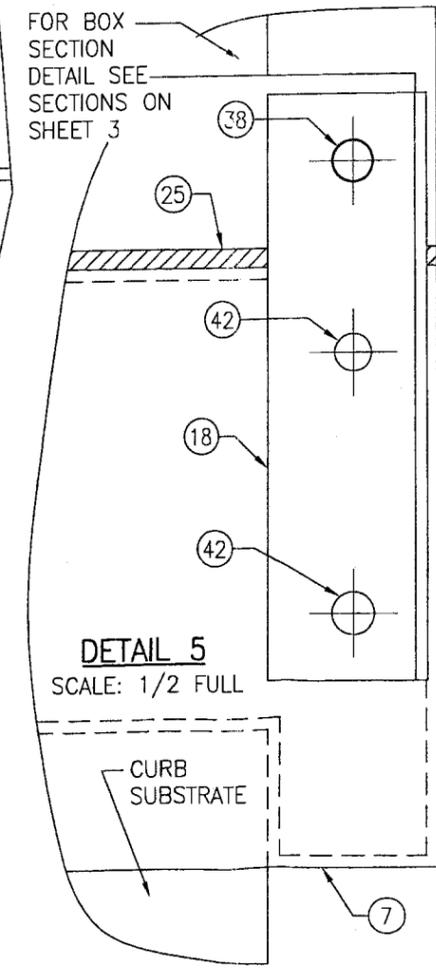
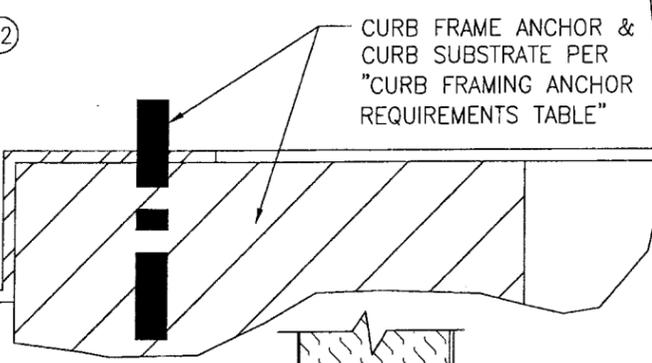
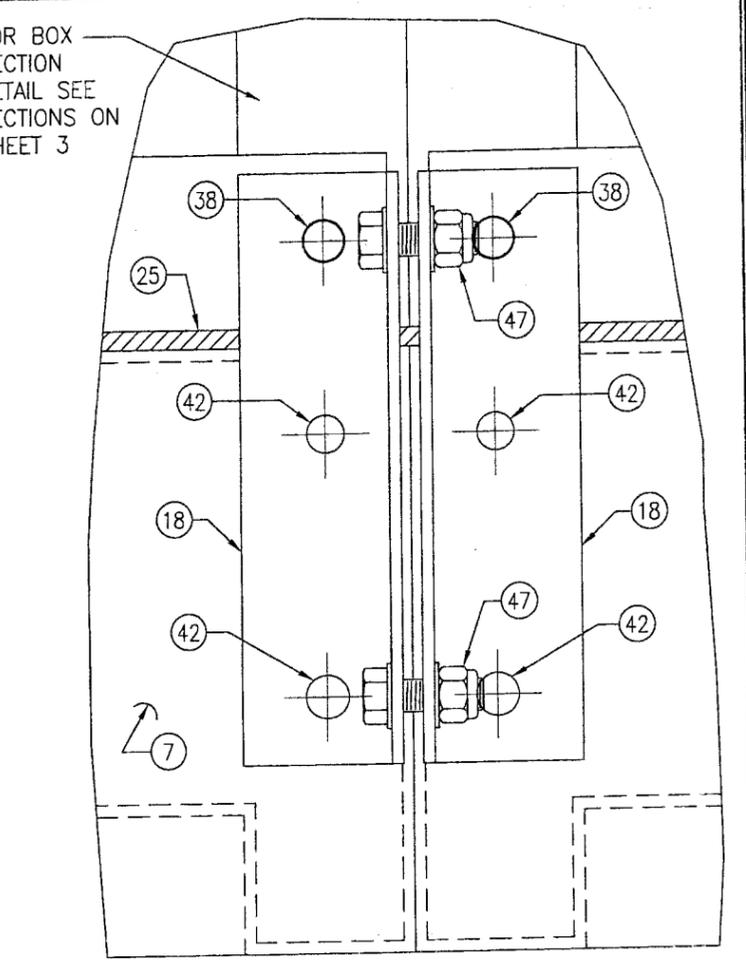
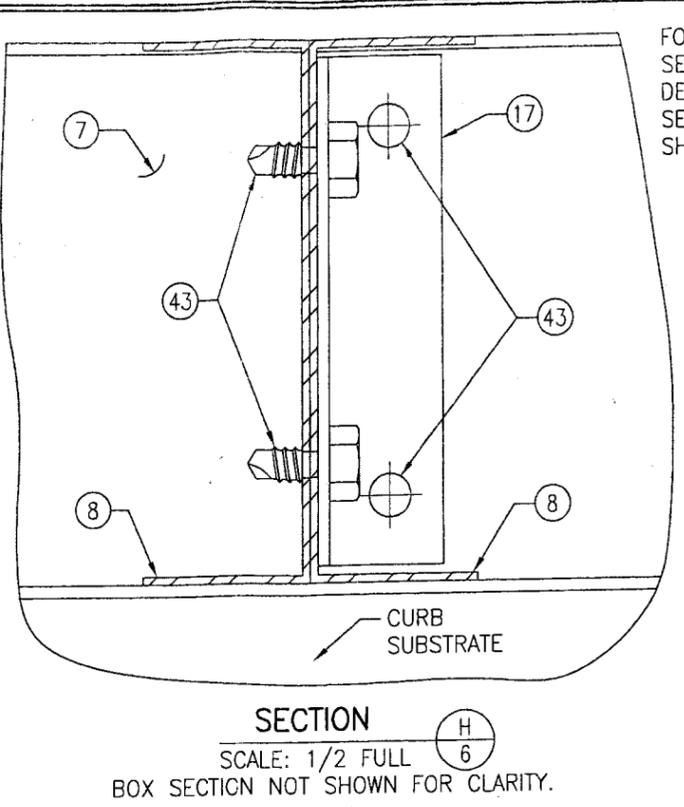
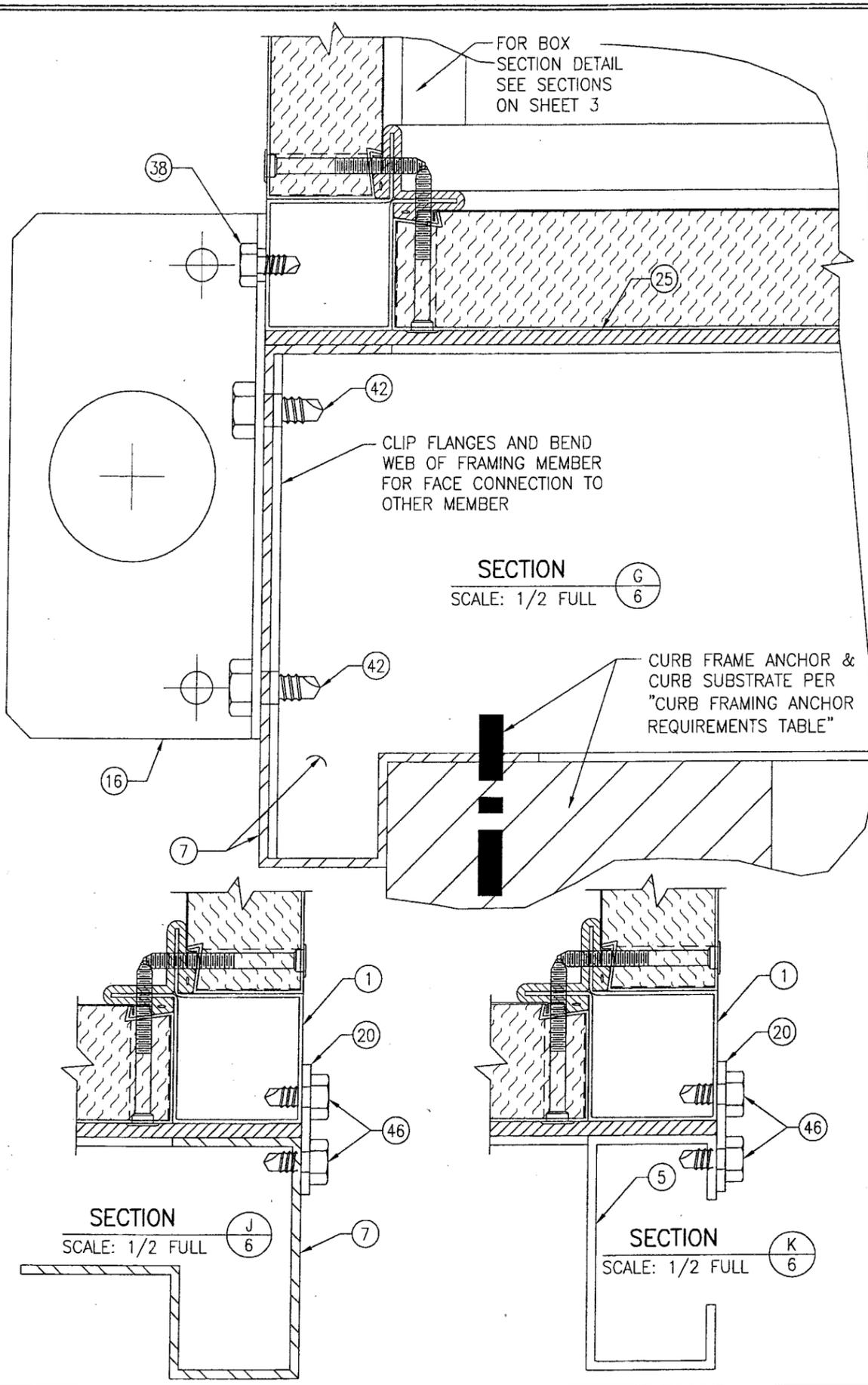
DETAIL 2
SCALE: 1/2 FULL



OPTIONAL BASE RAIL INSTALLATION DETAIL
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS & DETAILS

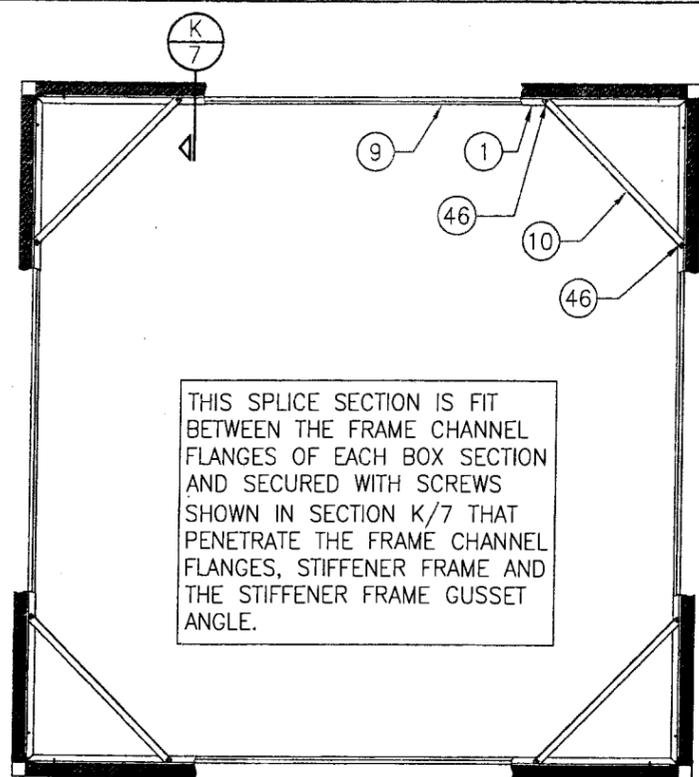
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 08/20/07
DATE	BY
REVISION DESCRIPTION	
NO.	
DRAWING TITLE VISION/SKYLINE AIR HANDLING UNIT	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	MANUFACTURER MCQUAY INTERNATIONAL
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	13600 INDUSTRIAL PARK BLVD. MINNEAPOLIS, MN 55441 800-432-1342
CERTIFICATION MAR 06 2008	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1516	REV.
SHEET NO. 5	OF 8

Approved as complying with the Florida Building Code
Date: 04/17/2008
NOA: 07-1003.03
Miami Data Product Control
Division
By: *Heidi A. Webb*



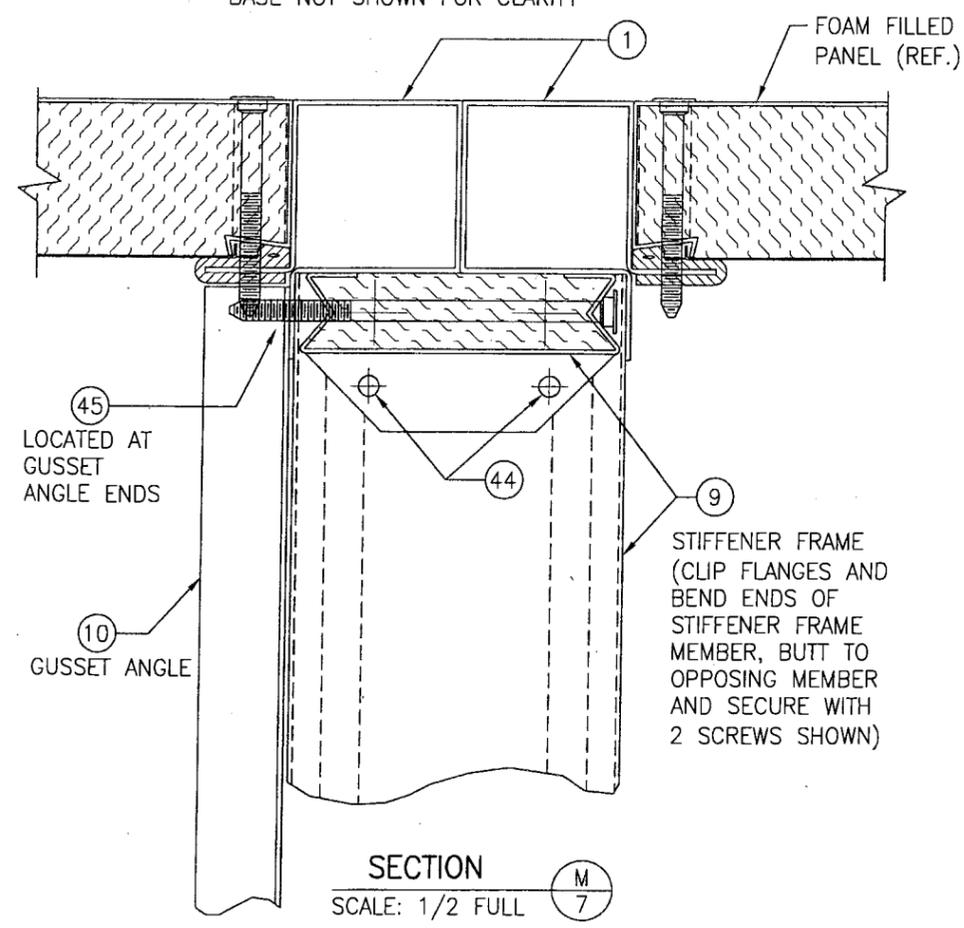
Approved as complying with the
 Florida Building Code
 Date: 04/17/2008
 NOA# 07-1003.03
 Miami-Dade Fire-Resistant
 Division
 By: *Healy A. Mohr*

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 08/20/07	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: VISION/SKYLINE AIR HANDLING UNIT			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: MCQUAY INTERNATIONAL	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		13600 INDUSTRIAL PARK BLVD. MINNEAPOLIS, MN 55441 800-432-1342	
CERTIFICATION: <i>WARREN W. SCHAEFER, P.E.</i> MAR 06 2008 P.E. NO. 44135			
DRAWING NO. 1516		REV.	
SHEET NO. 6 OF 8			



THIS SPLICE SECTION IS FIT BETWEEN THE FRAME CHANNEL FLANGES OF EACH BOX SECTION AND SECURED WITH SCREWS SHOWN IN SECTION K/7 THAT PENETRATE THE FRAME CHANNEL FLANGES, STIFFENER FRAME AND THE STIFFENER FRAME GUSSET ANGLE.

SECTION **K/7**
SCALE: 1/2 FULL
BASE NOT SHOWN FOR CLARITY

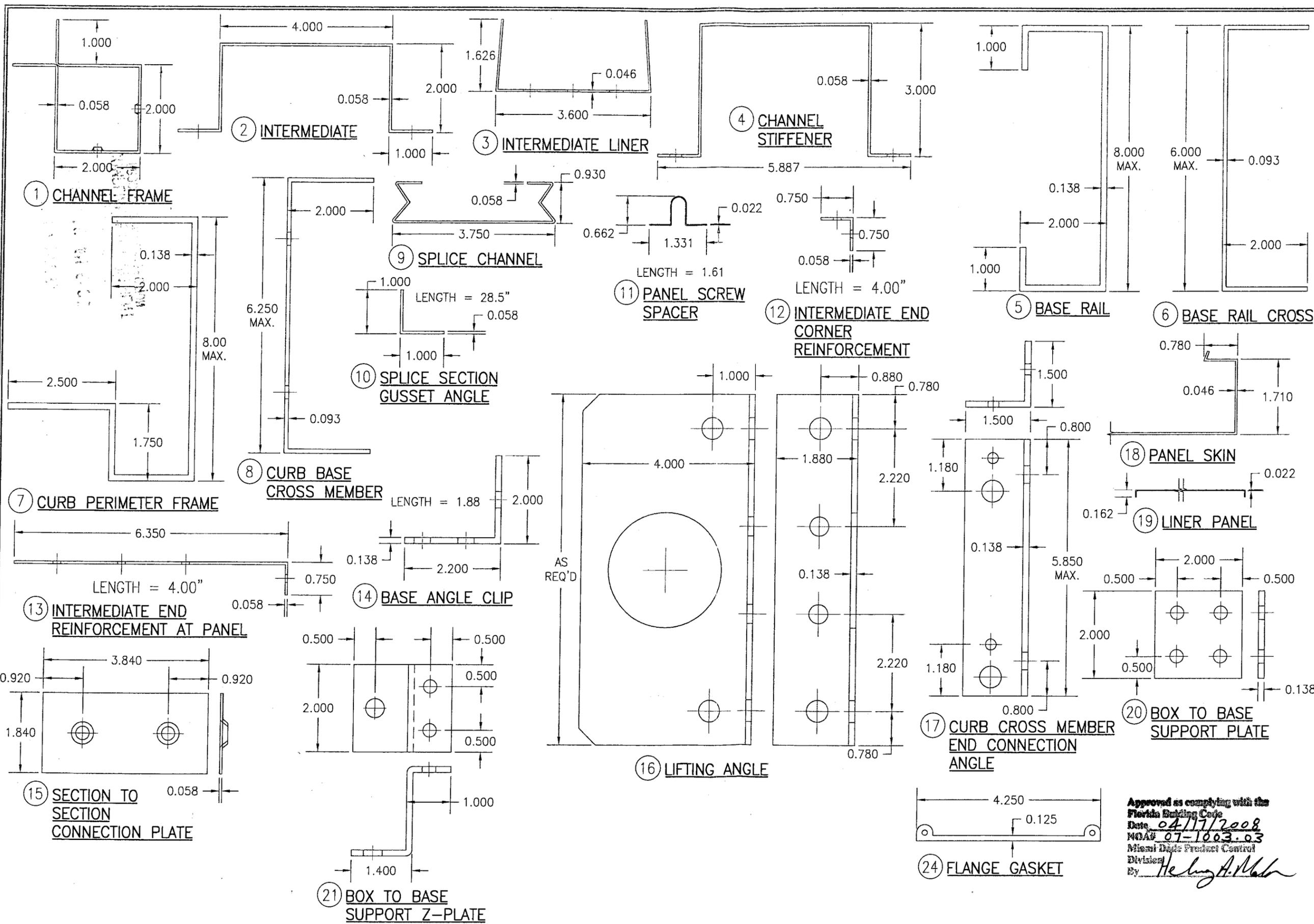


SECTION **J**
SCALE: 1/2 FULL

ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	0586056	CHANNEL FRAME	50 KSI GALVANIZED STEEL
2	2056145	INTERMEDIATE FRAMING	50 KSI GALVANIZED STEEL
3	2058006	INTERMEDIATE LINER	50 KSI GALVANIZED STEEL
4	2058311	CHANNEL STIFFENER	50 KSI GALVANIZED STEEL
5	2052701	BASE RAIL	50 KSI GALVANIZED STEEL
6	2052704	BASE RAIL CROSS MEMBER	50 KSI GALVANIZED STEEL
7	2054287	CURB PERIMETER FRAME	50 KSI GALVANIZED STEEL
8	2054293	CURB BASE CROSS MEMBER	50 KSI GALVANIZED STEEL
9	2058692	SPLICE CHANNEL	50 KSI GALVANIZED STEEL
10	2051782	SPLICE SECTION GUSSET ANGLE	50 KSI GALVANIZED STEEL
11	2057381	PANEL SCREW SPACER	50 KSI GALVANIZED STEEL
12	2058262-33	INTERMEDIATE TO INTERMEDIATE END REINFORCEMENT	50 KSI GALVANIZED STEEL
13	2058262-32	INTERMEDIATE END TO PANEL REINFORCEMENT	50 KSI GALVANIZED STEEL
14	0586869	BASE ANGLE CLIP	50 KSI GALVANIZED STEEL
15	0585470	SECTION TO SECTION CONNECTION PLATE	50 KSI GALVANIZED STEEL
16	2054197	LIFTING ANGLE	50 KSI GALVANIZED STEEL
17	2054349	CURB CROSS MEMBER END CONNECTION ANGLE	50 KSI GALVANIZED STEEL
18	2057136	PANEL SKIN	50 KSI GALVANIZED STEEL
19	2057119	LINER PANEL	50 KSI GALVANIZED STEEL
20	205883401	BOX TO BASE SUPPORT PLATE	50 KSI GALVANIZED STEEL
21	205883501	BOX TO BASE SUPPORT Z-PLATE	50 KSI GALVANIZED STEEL
SEALS AND SEALANTS			
24	0733128	FLANGE GASKET	EPDM/NEOPRENE CLOSED CELL SPONGE RUBBER
25	0244765	1/4" X 1 1/2" CURB GASKET	FLEXIBLE CLOSED CELL RUBBER
HARDWARE			
28	0733118	LOCK	ALLEGIS CORP.; 3 PER DOOR
29	00013385	0.064" THK. X 6" LONG HINGE WITH 0.125" DIA. PIN	304 S.S.; 3 PER DOOR
MISC. FASTENERS			
32	0733203	#14-10 X 2.5" TORX WAFER HEAD SCREW	WITHIN 4" OF PANEL CORNERS & MAX. 16" O.C.
33	0733203	#14-10 X 2.5" TORX WAFER HEAD SCREW	2 PER INTERMEDIATE END
34	188295	3/16" STEEL RIVET	3" ABOVE & BELOW HINGE/LOCK & MIDWAY BETWEEN
35	0389907	NO. 10 X 1/2" H.H. MACHINE SCREW	3 PER HINGE
36	0013783	NO. 10 X 1/2" SELF TAPPING H.H. SCREW	2 PER HINGE
37	188295	3/16" STEEL RIVET	6 PER REINFORCEMENT ANGLE TO PANEL
38	404990	5/16-18 X 3/4" H.H. MACHINE SCREW	3 PER FRAME CHANNEL CORNER
39	-	5/16-18 X 3/4" GR. 5 BOLT WITH LOCK NUT	2 PER BASE ANGLE CLIP TO BASE RAIL
40	0460938	3/8-16 X 1" THREAD ROLLING H.H. SCREW	2 PER BASE RAIL FRAMING CONNECTION
41	040499045	3/8-16 X 5" BOLT WITH NUT	2 PER BASE MEETING RAIL ENDS
42	0460938	3/8-16 X 1" GR. 5 THREAD ROLLING H.H. SCREW WITH NUT	2 PER LIFTING ANGLE TO CURB FRAME
43	0460938	3/8-16 X 1" THREAD ROLLING H.H. SCREW	2 PER CONNECTION ANGLE LEG
44	0389907	NO 10 X 1/2" H.H. MACHINE SCREW	2 PER SPLICE CHANNEL END/CORNER
45	0599881	1/4-14 X 4.5" TORX WAFER HEAD SCREW	1 PER GUSSET ANGLE END
46	-	1/4-14 X 3/4" SELF TAPPING GR. 5 SCREW	4 PER BOX TO BASE SUPPORT PLATE
47	-	1/4-14 X 3/4" SELF TAPPING GR. 5 SCREW	2 PER BOX TO BASE SUPPORT Z-PLATE
48	0460938	3/8-16 X 1" THREAD ROLLING H.H. SCREW	1 PER BOX TO BASE SUPPORT Z-PLATE

Approved as complying with the Florida Building Code
 Date: 04/17/2008
 NOA: 07-1003.03
 Michael Deitz Project Control
 Division
 By: *Heather A. Mohr*

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 08/20/07
DATE	
BY	
REVISION DESCRIPTION	
NO.	
VISION/SKYLINE AIR HANDLING UNIT	
MANUFACTURER	
MCQUAY INTERNATIONAL 13600 INDUSTRIAL PARK BLVD. MINNEAPOLIS, MN 55441 800-432-1342	
CONSULTANTS	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION	
MAR 05 2008 W. W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1516	REV.
SHEET NO. 7	OF 8



DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 08/20/07	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: VISION/SKYLINE AIR HANDLING UNIT			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903			
MANUFACTURER: MCQUAY INTERNATIONAL 13600 INDUSTRIAL PARK BLVD. MINNEAPOLIS, MN 55441 800-432-1342			
CERTIFICATION: MAR 06 2008			
Approved as complying with the Florida Building Code Date: 04/17/2008 MOA#: 07-1003-03 Miami Dade Product Control Division By: <i>Heinz A. Mohr</i>			
DRAWING NO. 1516		REV.	
SHEET NO. 8		OF 8	