



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

McQuay International
13600 Industrial Park Blvd.
Minneapolis, 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 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 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 9 of 9, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated August 20, 2007, Last revision #A2, dated November 16, 2011, signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number & the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Faribault or Owatonna, MN, 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 #11-1118.02 and consists of this page 1, evidence submitted page E-1 as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P.E.



J. Gascon
4/19/13

NOA No. 13-0206.14
Expiration Date: 04/17/2018
Approval Date: 04/25/2013

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. 1516, titled "Vision / Skyline Air Handling Unit", sheets 1 through 9 of 9, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated August 20, 2007, Last revision #A2, dated November 16, 2011, signed and sealed by Warren W. Schaefer, P.E.*

B. TESTS (Submitted under Previous Approval #07-1003.03.)

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 prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 11/16/11, signed and sealed by W. W. Schaefer, P.E. (Submitted under Previous Approval #11-1118.02.)*
2. *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. (Submitted under Previous Approval #07-1003.03.)*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS (Submitted under Previous Approval #07-1003.03.)

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 and compliance with the FBC-2010, dated 02/13/13, signed and sealed by Warren W. Schaefer, P.E.*
2. *Statement of independence dated 02/13/13, signed and sealed by Warren W. Schaefer, P.E.*
3. *Statement letter indicating that the product has not changed since last approved, dated 01/15/13, signed by Steven E. Wold, P.E.*

G. OTHER

1. *Notice of Acceptance No. 11-1118.02, issued to McQuay International for their "Vision / Skyline Air Handling Unit", approved on 03/29/12 and expiring on 04/17/13.*



Jaime D. Gascon, P.E.
Product Control Section Supervisor
NOA No. 13-0206.14
Expiration Date: 04/17/2018
Approval Date: 04/25/2013

GENERAL NOTES:

- IT SHALL BE THE RESPONSIBILITY OF THE PERMIT HOLDER TO VERIFY THE STRUCTURAL INTEGRITY OF THE EXISTING STRUCTURE TO SUPPORT THE LOADS SUPERIMPOSED BY THE AIR HANDLING UNIT.
- THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCT DESIGNED & TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC) PROTOCOLS TAS-201, 202 & 203, ASTM E72 RACKING TEST & ASTM E8-03 TENSILE TEST.
- EACH AIR HANDLING UNIT ASSEMBLY SHALL BE PERMANENTLY LABELED AS FOLLOWS: McQUAY INTERNATIONAL
MINNEAPOLIS, MN
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED
- MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
- THIS AIR HANDLING UNIT HAS BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN LOADS" TABLE(S).
- THIS AIR HANDLING UNIT HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
- ALL ANCHORS SHALL BE INSTALLED AS SPECIFIED ON THESE DRAWINGS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND ALL FINISHES.
- ALL ANCHORS SECURING AIR HANDLING UNIT TO PRESSURE TREATED WOOD SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
- INTERIOR MOUNTED EQUIPMENT AND THEIR MOUNTING DETAILS ARE NOT PART OF THIS PRODUCT APPROVAL.

ANCHORING NOTE:

ALL ANCHOR SPECIFICATIONS SHOWN IN THIS DRAWING ARE BASED ON TESTED CONDITIONS AND ARE MEANT TO COVER MOST, IF NOT ALL FIELD CONDITIONS. IF FIELD CONDITIONS REQUIRE INSTALLATION TO BE DIFFERENT THAN WHAT IS SPECIFIED HERE-IN, THOSE CONDITIONS SHALL BE REVIEWED AND THE INSTALLATION METHOD SHALL BE DESIGNED & CERTIFIED BY A FLORIDA LICENSED DESIGN PROFESSIONAL WITH THE CERTIFIED DESIGN BEING SUBMITTED TO THE APPLICABLE BUILDING DEPARTMENT FOR JOB REVIEW & PERMIT.

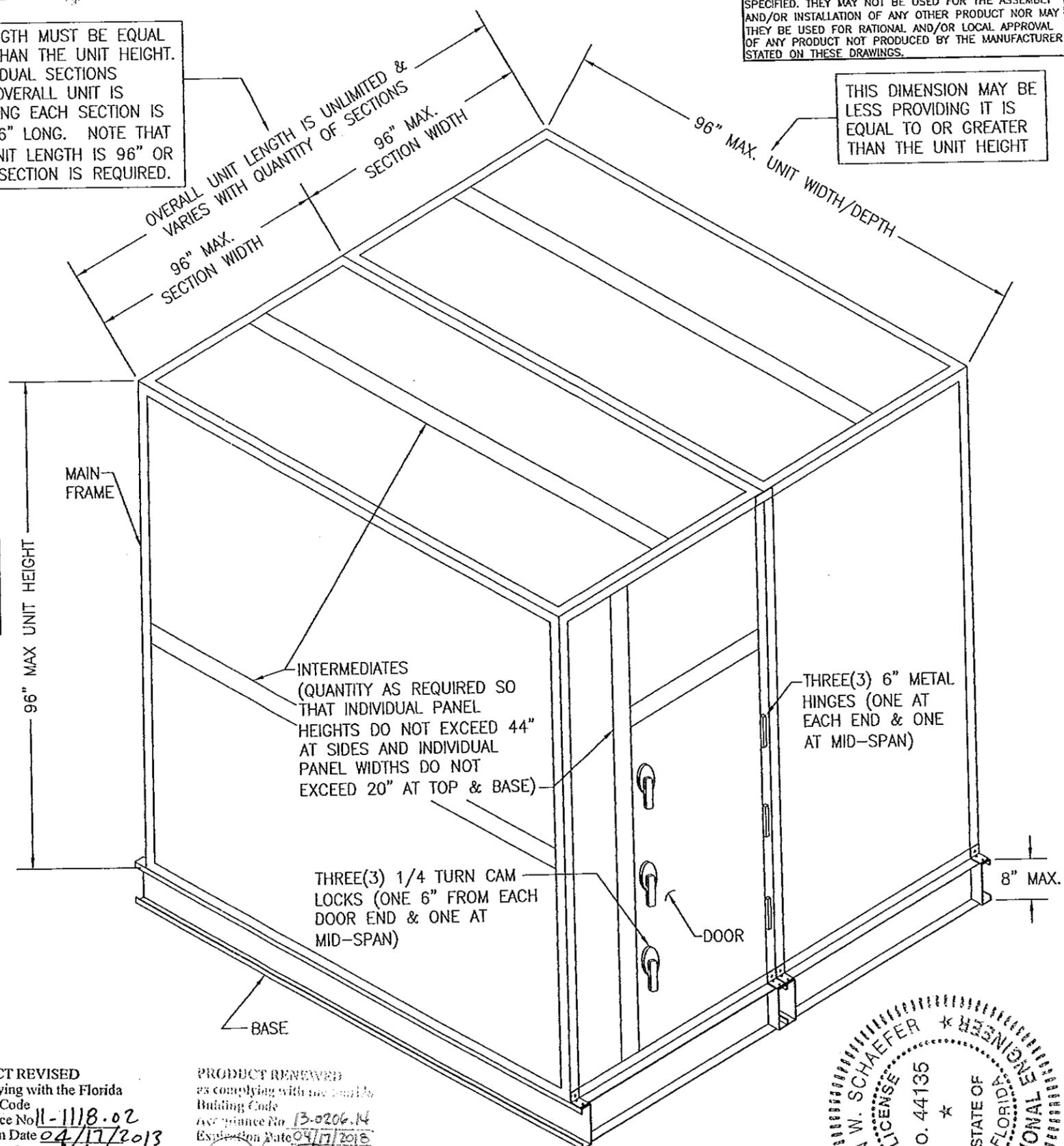
ALLOWABLE DESIGN LOAD

POSITIVE	NEGATIVE
75 PSF	75 PSF

OVERALL UNIT LENGTH MUST BE EQUAL TO OR GREATER THAN THE UNIT HEIGHT. NUMBER OF INDIVIDUAL SECTIONS MAKING UP THIS OVERALL UNIT IS UNLIMITED PROVIDING EACH SECTION IS NO MORE THAN 96" LONG. NOTE THAT WHEN OVERALL UNIT LENGTH IS 96" OR LESS, ONLY ONE SECTION IS REQUIRED.

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
DATE: 11/16/11	DATE: 08/20/07
REVISION DESCRIPTION	NO.
A1 UPDATE TO CURRENT STANDARDS	A1
A2 ADD NEMA BOX	A2



BASE ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	ANCHOR TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
BASE RAIL FRAMING OPTION 1			
MIN. 3000 PSI CONCRETE	(1) 1/2" WEDGE/SLEEVE ANCHOR	3 1/2"	3"
WOOD (MIN. GR. 2 & G=0.55)	1/2" GALV. H.H. LAG SCREW	3"	2"
MIN. 12 GA. (0.102" THICK) 36 KSI STEEL	(2) 1/2" BOLT WITH NUT & WASHER	FULL	1"
CURB FRAMING OPTION 2			
MIN. 3000 PSI CONCRETE	(3) 1/4" H.H. CONCRETE SCREW	1 1/2"	1 3/4"
WOOD (MIN. GR. 2 & G=0.55)	NO. 14 S.S. SMS H.H. OR OR 3/8" GALV. H.H. LAG SCREW	2"	1"
MIN. 12 GA. (0.102" THICK) 36 KSI STEEL	1/4"-20 OR 1/4"-14 SELF TAP/DRILLING GR. 5 SCREW	FULL	1"

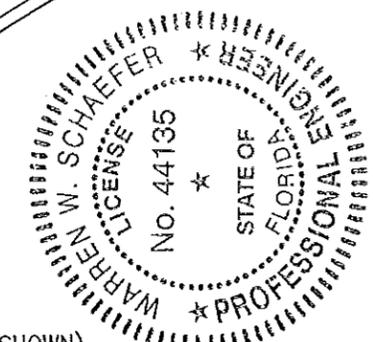
(1) WEDGE/SLEEVE ANCHORS SHALL BE ITW RAMSET/RED HEAD DYNABOLT OR TRUBOLT, POWERS RAWL POWER-BOLT, POWER-STUD OR WEDGE-BOLT OR HILTI KWIK BOLT 3 (GRADE 5 STEEL OR 304 S.S.).

(2) BOLTS SHALL BE MIN. A307 GALVANIZED OR 304 S.S. WITH NUT & WASHER.

(3) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ELCO CRETE-FLEX, ITW RAMSET/RED HEAD TAPCONS OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).

PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No. 11-1118.02
 Expiration Date 04/17/2013
 By *Heather Hollister*
 Miami Dade Product Control

PRODUCT RENEWED as complying with the Florida Building Code
 Acceptance No. 13-0206.14
 Expiration Date 04/17/2018
 By *Warren W. Schaefer*
 Miami Dade Product Control



ISOMETRIC VIEW

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

(SEE VIEWS & DETAILS OTHER SHEETS FOR DETAIL NOT SHOWN)

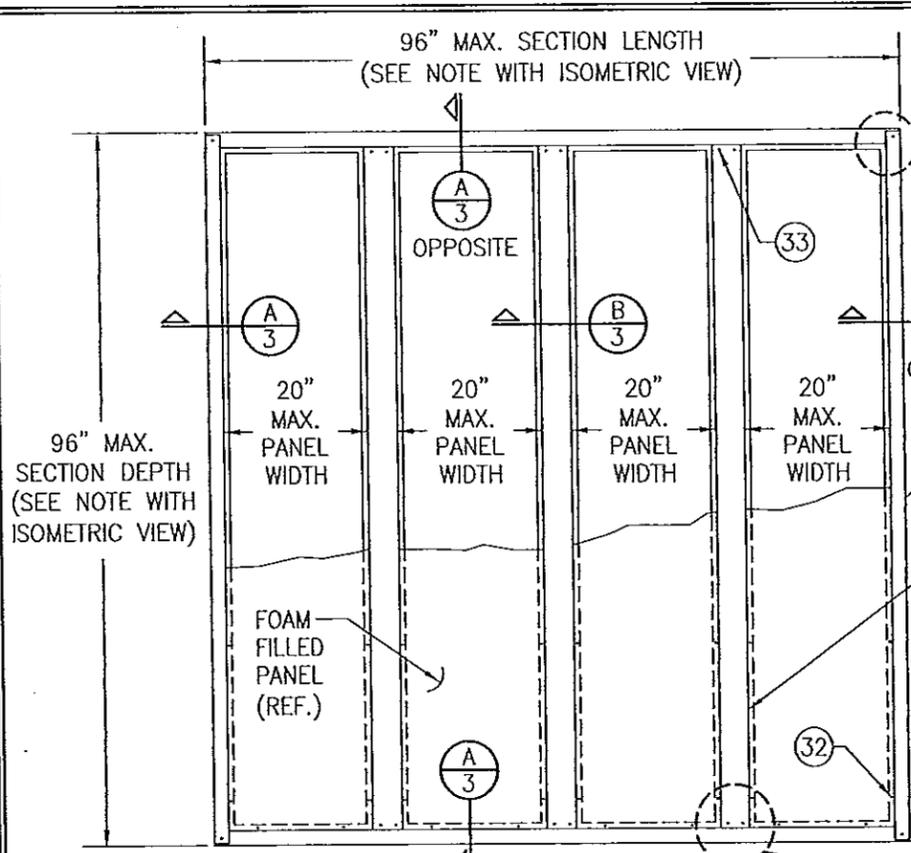
DRAWING TITLE: VISION/SKYLINE AIR HANDLING UNIT

MANUFACTURER: MCQUAY INTERNATIONAL
 13600 INDUSTRIAL PARK BLVD.
 MINNEAPOLIS, MN 55441
 800-432-1342

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
 7480 150TH COURT NORTH
 PALM BEACH GARDENS, FL 33418
 PHONE: 561-744-3424

CERTIFICATION: NOV 16 2011
 WARREN W. SCHAEFER, P.E.
 P.E. NO. 44135

DRAWING NO. 1516
 SHEET NO. 1 OF 9



TOP VIEW: AIR HANDLING BOX SECTION
BOTTOM VIEW IS SAME

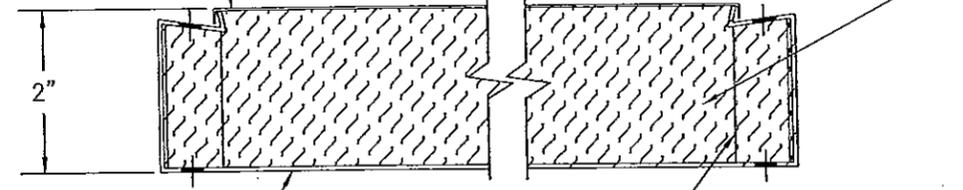
BOX FRAME CORNER CONSTRUCTION:
EACH FRAME MEMBER IS END CUT TO FORM 2 FLANGES PER END. THE VERTICAL AND 2 HORIZONTAL FRAME MEMBERS ARE THEN LAPPED TOGETHER AND SECURED WITH THREE(3) 5/16-18 X 3/4" GR. 5 F.H. THREAD TAPPING SCREWS.

①
②③
QUANTITY DEPENDS ON THE UNIT LENGTH

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 13-0206-14
Expiration Date 04/17/2018
By: *[Signature]*
Miami Dade Product Control

①⑨
50 KSI GALV. STEEL 0.022" THICK INNER LINER

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).

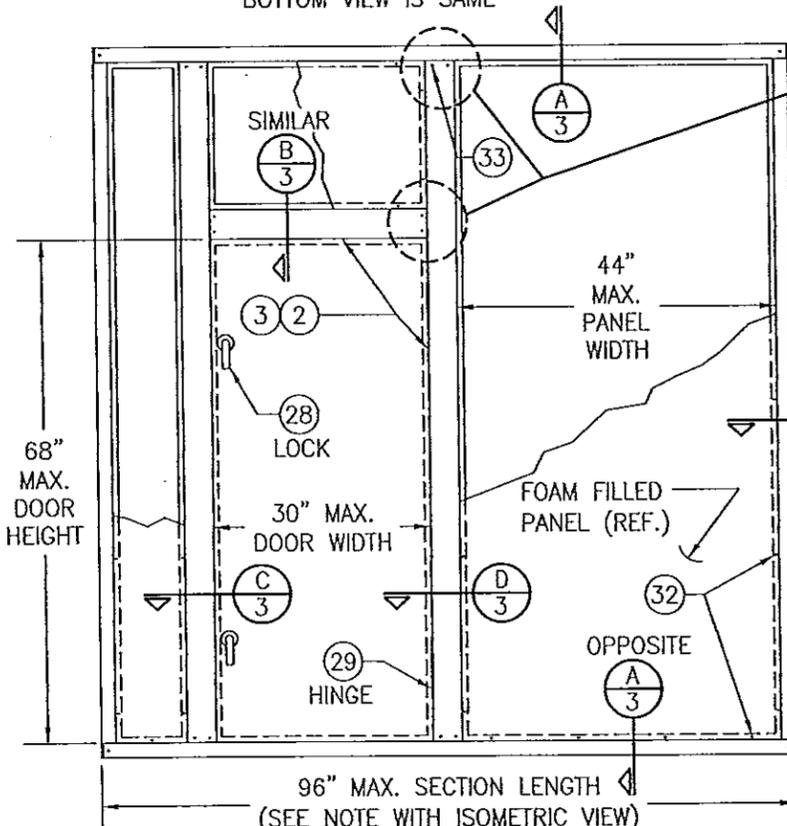


①⑧
50 KSI GALV. STEEL 0.046" THICK OUTER PANEL

PANEL CROSS SECTION
SCALE: 1/2" FULL

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

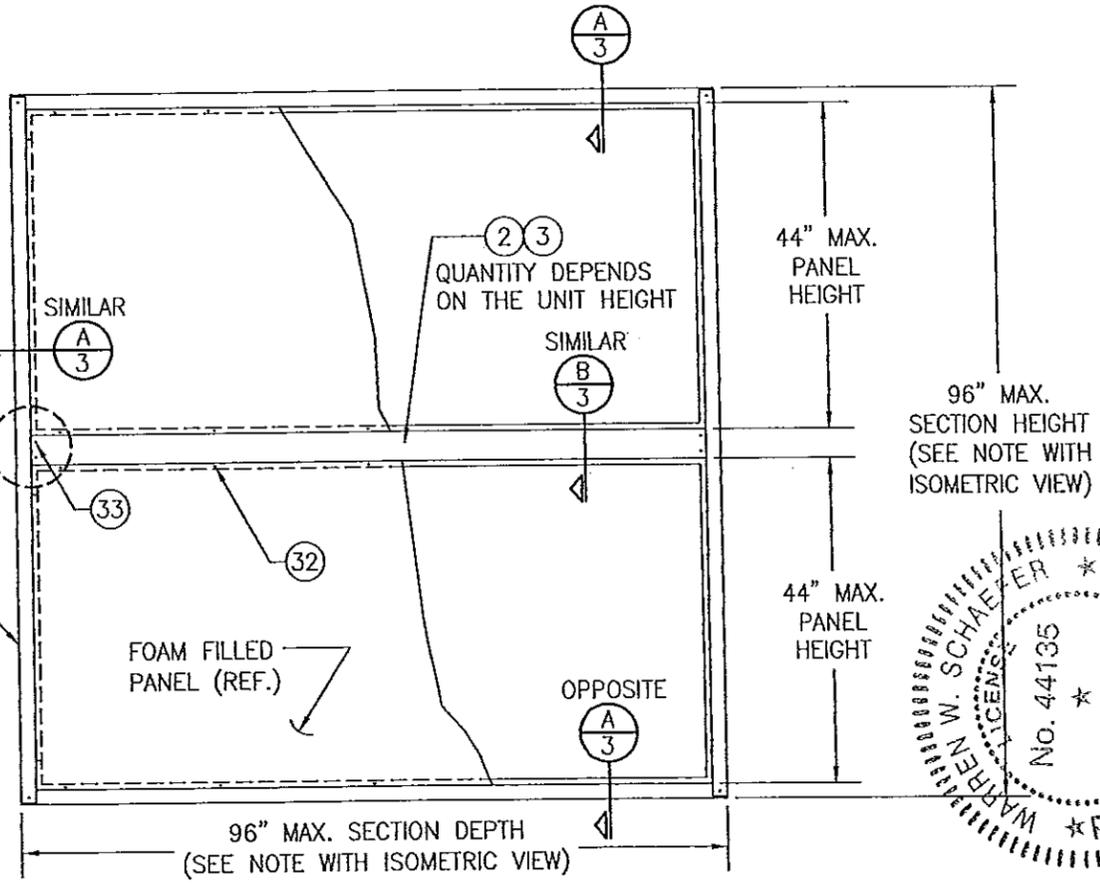
FOAM DATA	
DENSITY	2.1 LB/CFT
FLAME SPREAD INDEX	0
SMOKE DENSITY INDEX	5
NOTE: FLAME SPREAD & SMOKE DENSITY TESTING WAS COMPLETED USING ASSEMBLED PANEL SECTIONS.	



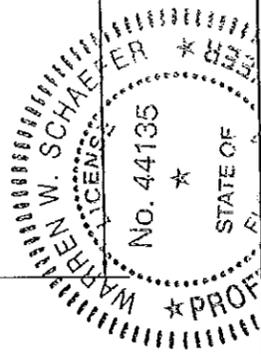
FRONT VIEW: AIR HANDLING BOX SECTION

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 WAFER HEAD TAP FORMING SCREWS THROUGH BOTH THE INTERMEDIATE & ITS LINER AND INTO THE SUPPORTING FLANGE (REF. DETAIL ON SHEET 3)

PRODUCT REVISED
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Expiration Date 04/17/2013
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Miami Dade Product Control



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



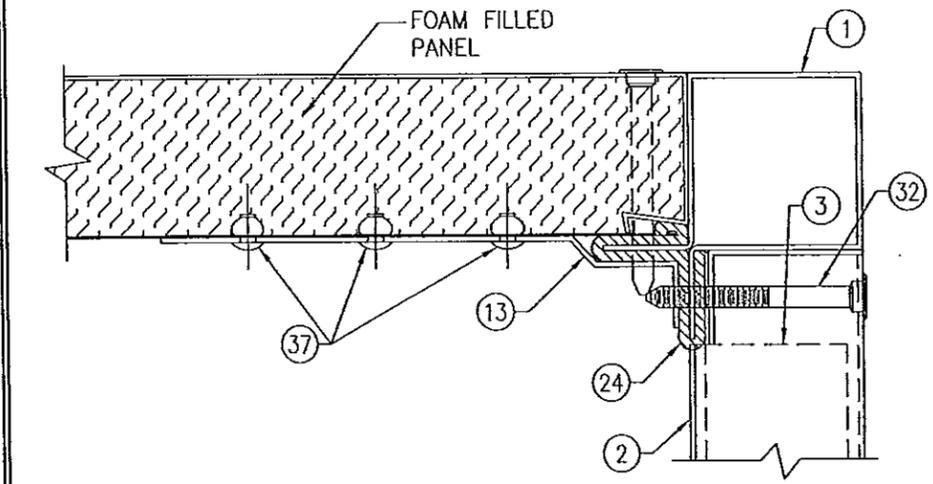
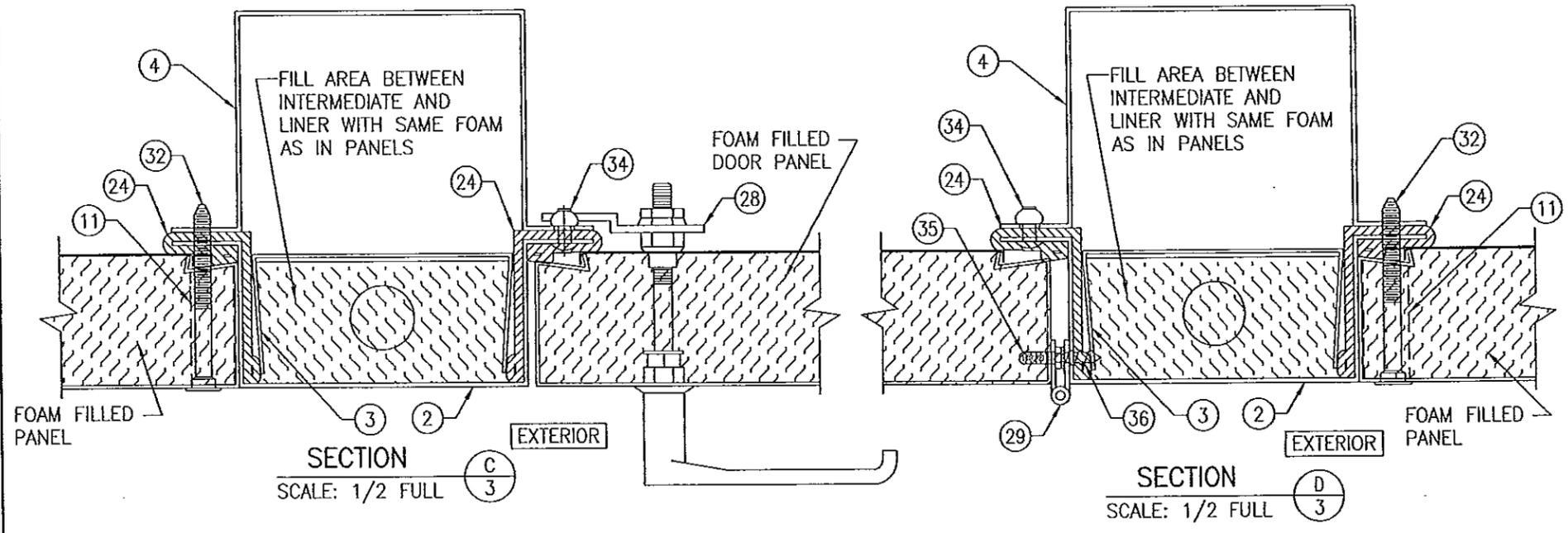
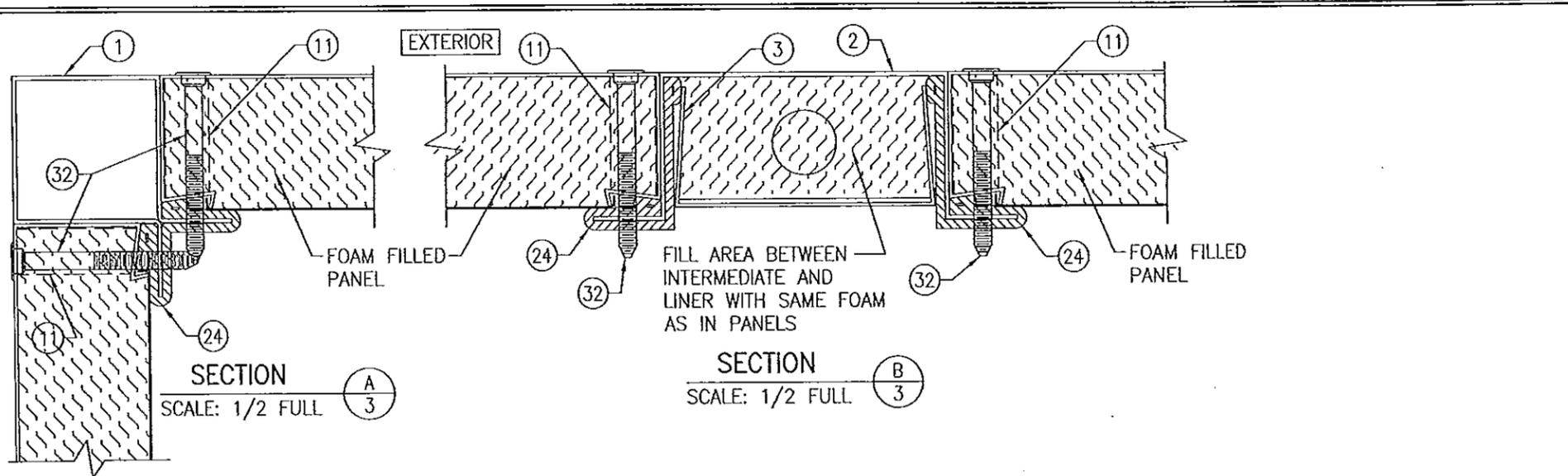
DRAWN BY:	W.W.S.	CHECKED BY:	W.W.S.
PLOT:	1-24	DATE:	08/20/07
NO.		REVISION DESCRIPTION	

VISION/SKYLINE AIR HANDLING UNIT
MANUFACTURER
MCQUAY INTERNATIONAL
13600 INDUSTRIAL PARK BLVD.
MINNEAPOLIS, MN 55441
800-432-1342

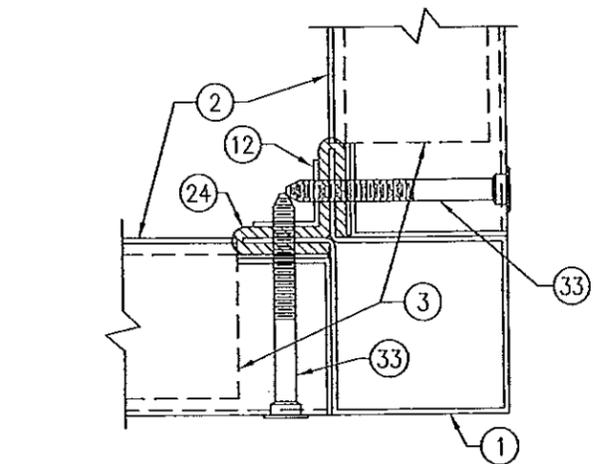
CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

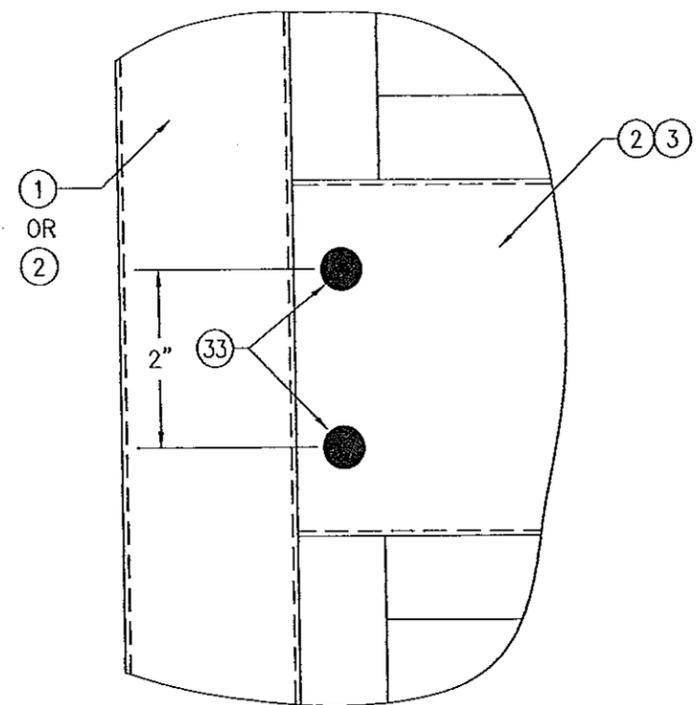
DRAWING NO.	1516	REV.	A
SHEET NO.	2	OF	9



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

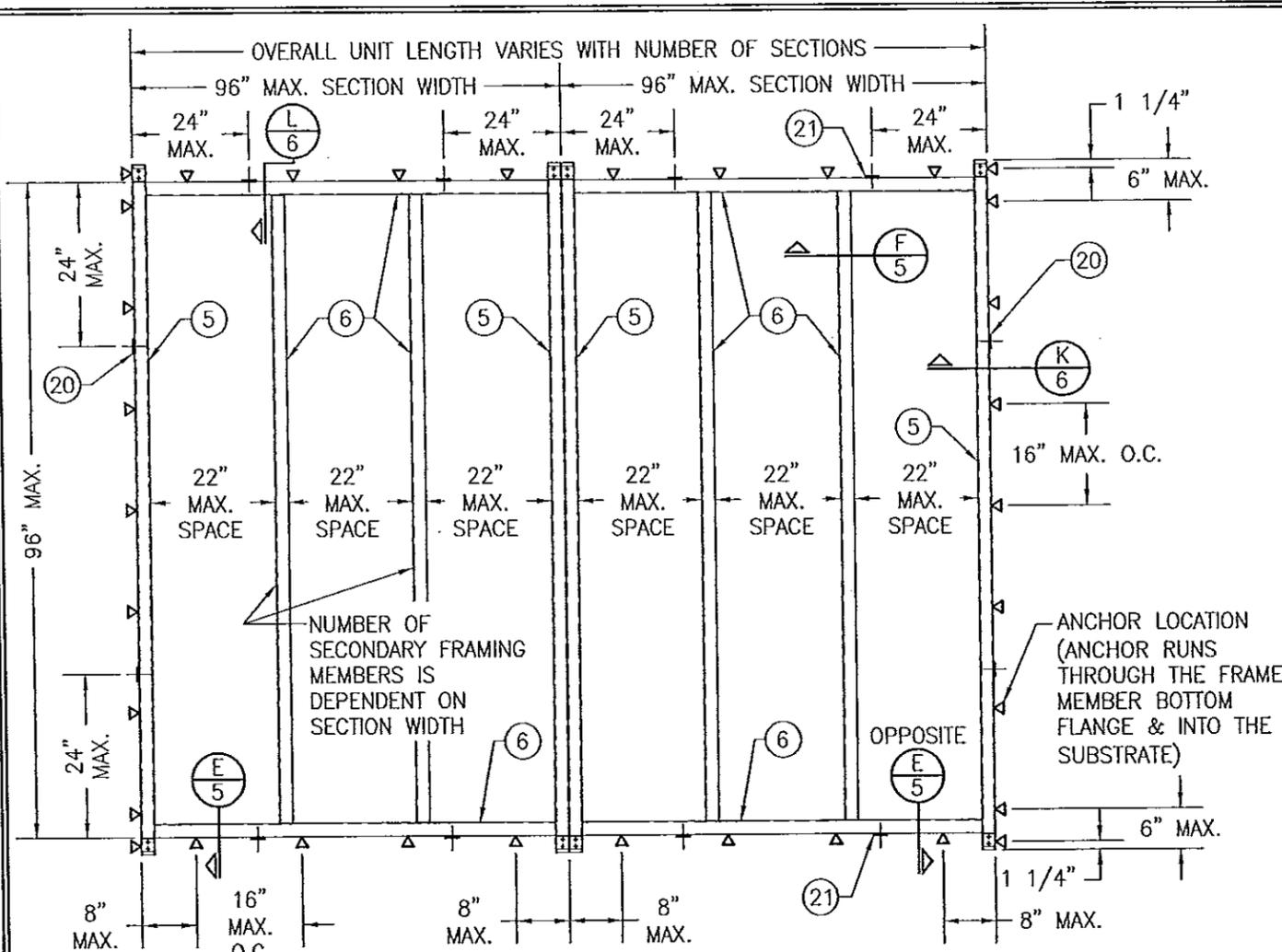


PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 13-020614
Expiration Date 04/17/2013
By *[Signature]*
Miami Dade Product Control

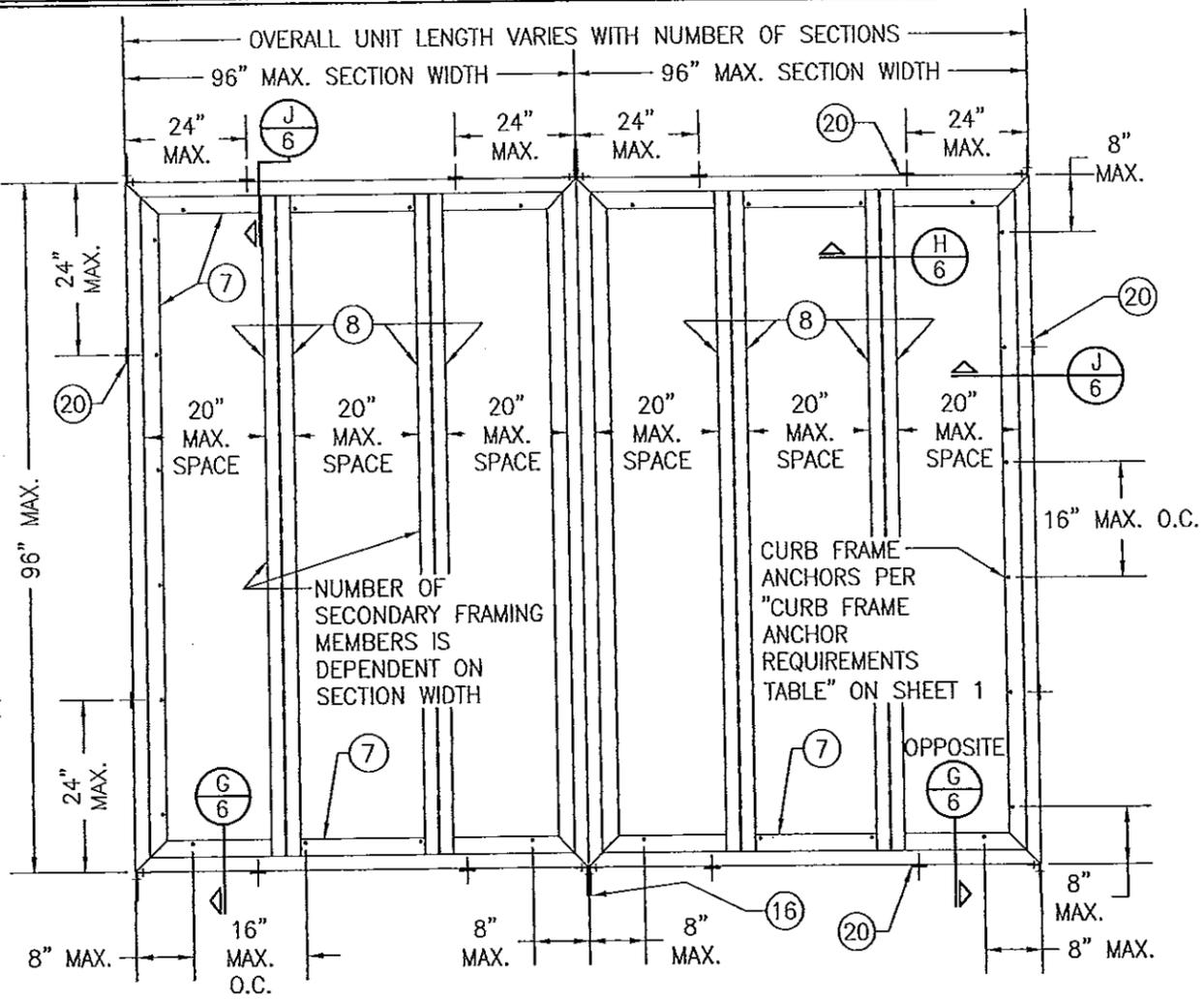
PRODUCT REVISED
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Building Code
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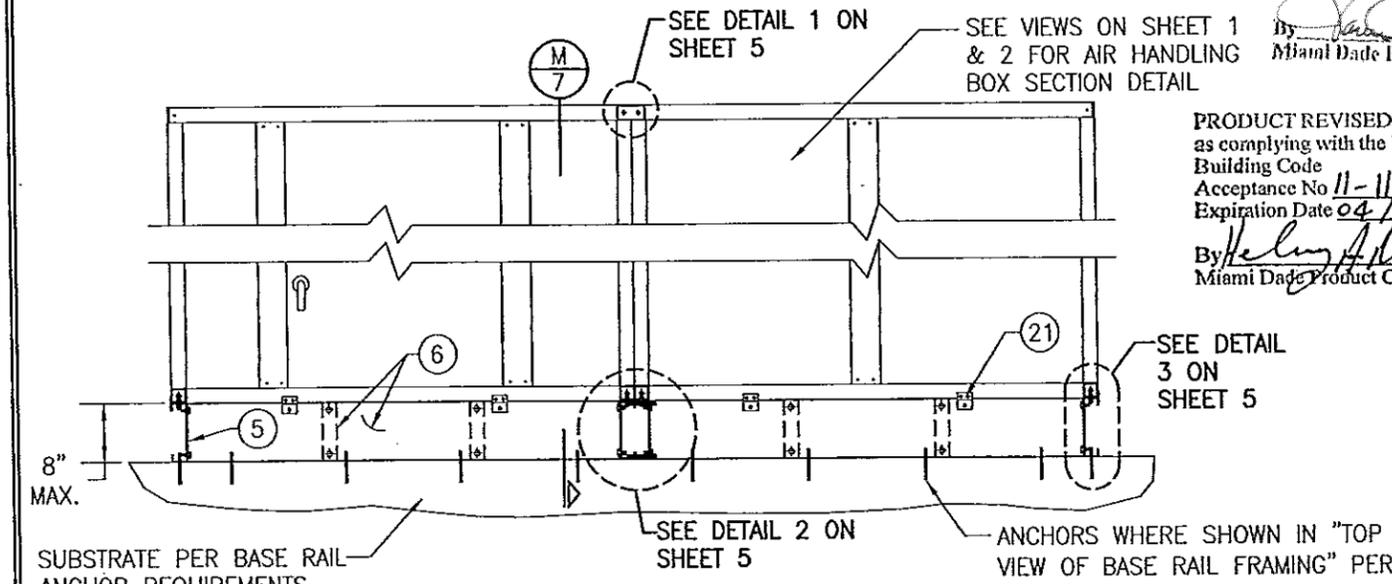
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 08/20/07
NO.	REVISION DESCRIPTION
BY	DATE
DRAWING TITLE VISION/SKYLINE AIR HANDLING UNIT	
MANUFACTURER MCQUAY INTERNATIONAL 13600 INDUSTRIAL PARK BLVD. MINNEAPOLIS, MN 55441 800-432-1342	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION	NOV 16 2011
DRAWING NO. 1516	REV. A
SHEET NO. 3 OF 9	



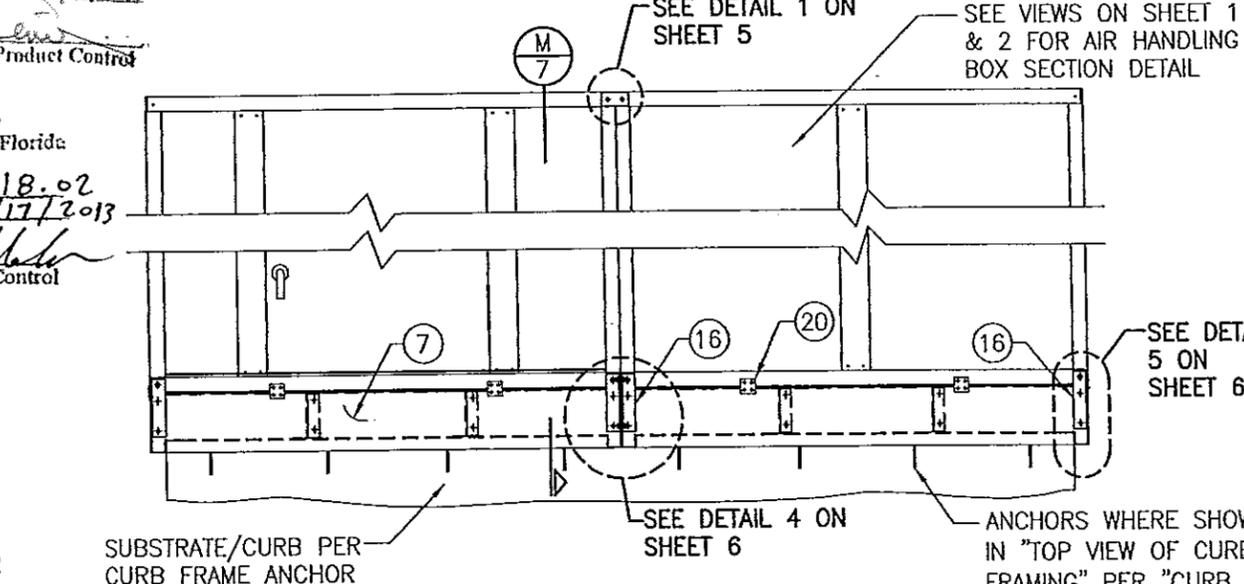
TOP VIEW; BASE RAIL FRAMING
(BASE OPTION 1)
AIR HANDLING BOX NOT SHOWN FOR CALRITY.



TOP VIEW; BASE CURB FRAMING
(BASE OPTION 2)
AIR HANDLING BOX NOT SHOWN FOR CALRITY.



FRONT VIEW; BASE RAIL FRAMING & UNIT INSTALLATION
(BASE OPTION 1)

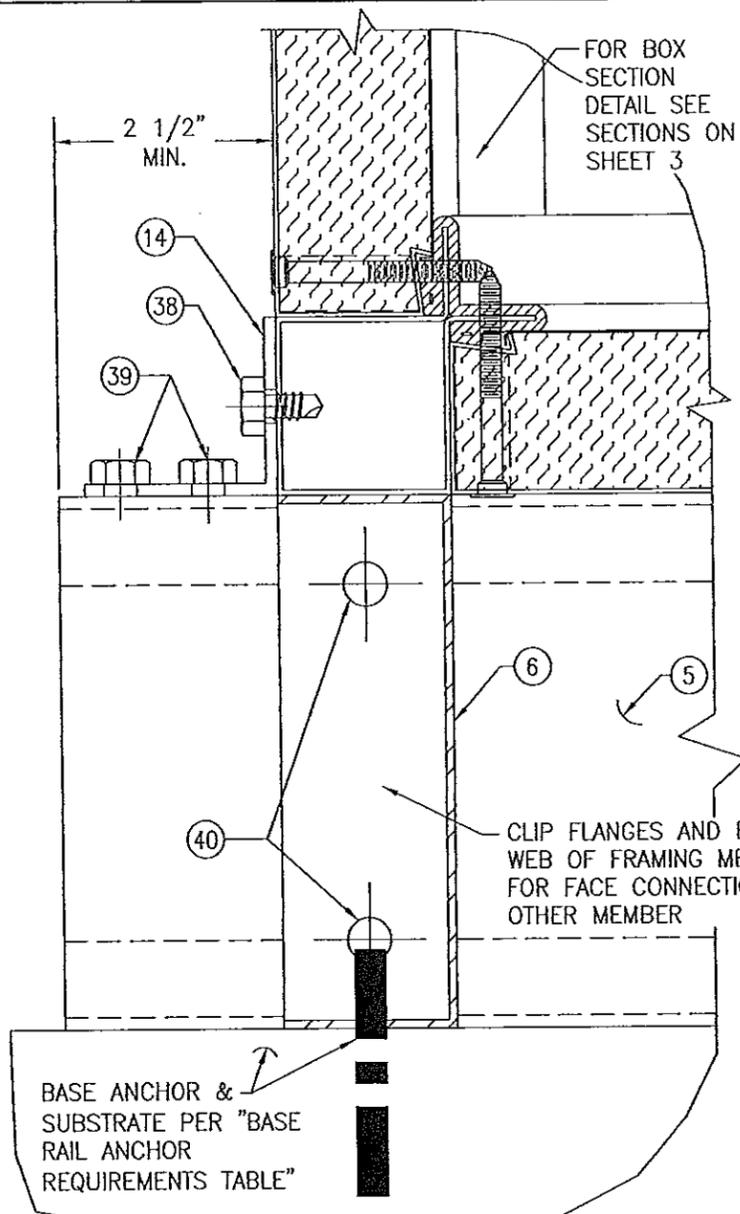


FRONT VIEW; CURB FRAMING & UNIT INSTALLATION
(BASE OPTION 2)

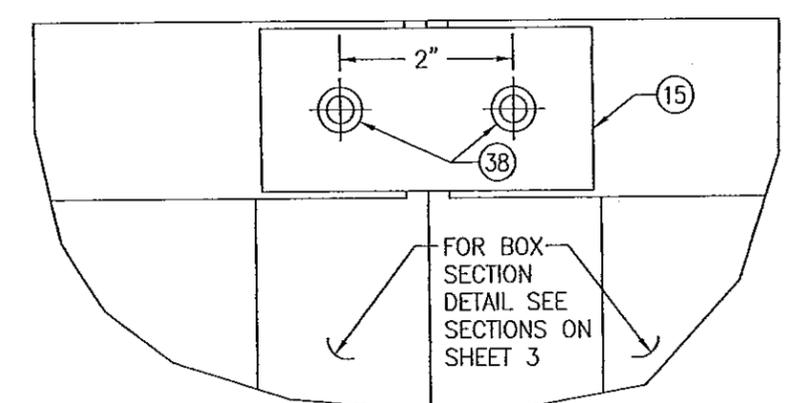
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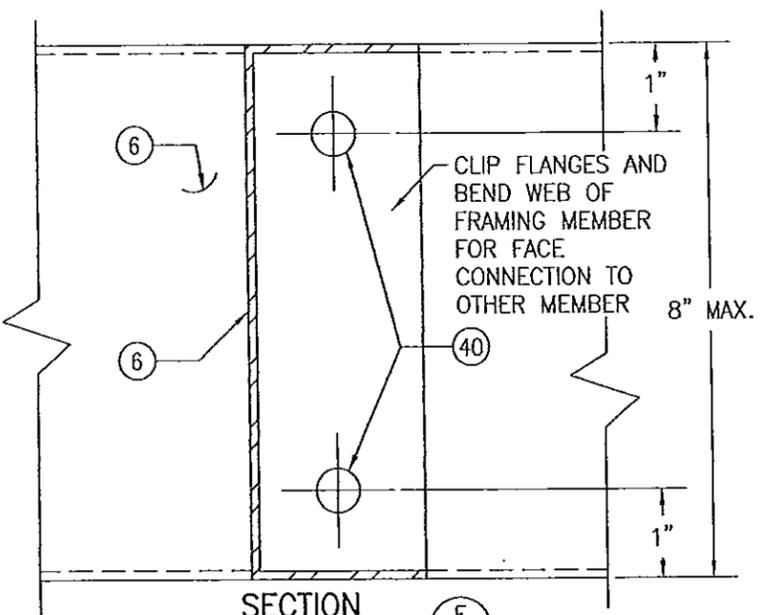
DRAWN BY: W.N.S.	CHECKED BY: W.N.S.
PLOT: 1-24	DATE: 08/20/07
NO.	REVISION DESCRIPTION
BY	DATE
<p>VISION/SKYLINE AIR HANDLING UNIT</p> <p>MANUFACTURER MCQUAY INTERNATIONAL 13600 INDUSTRIAL PARK BLVD. MINNEAPOLIS, MN 55441 800-432-1342</p> <p>CONSULTANTS W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424</p>	
DRAWING TITLE	<p>STATE OF FLORIDA PROFESSIONAL ENGINEER WARREN W. SCHAEFER, P.E. NO. 44133</p>
DRAWING NO.	REV.
1516	A
SHEET NO.	4 OF 9



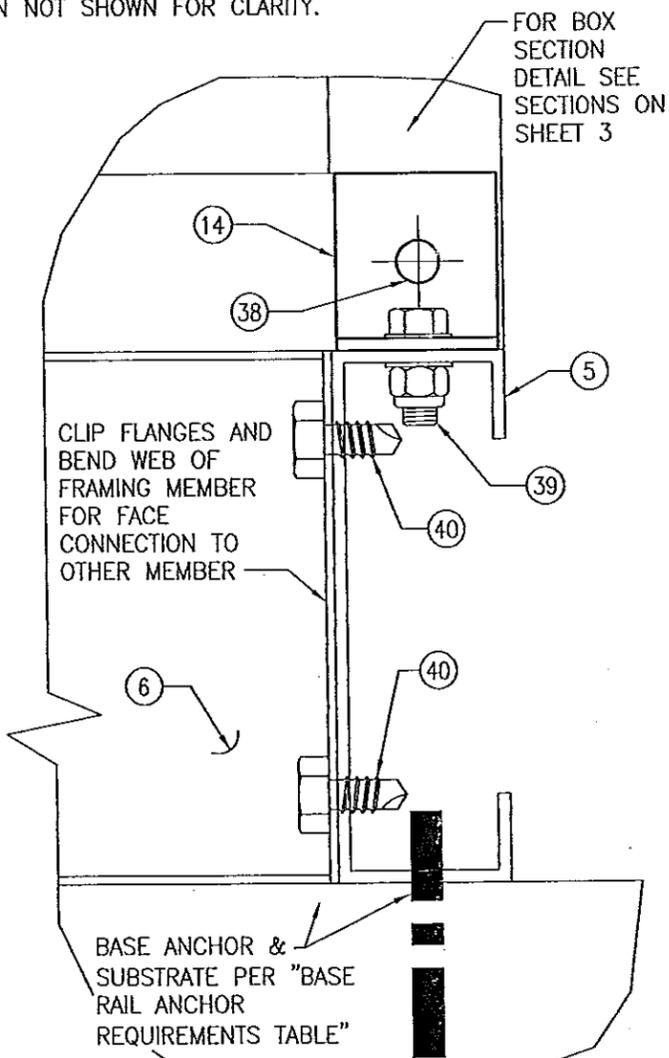
SECTION E
SCALE: 1/2 FULL



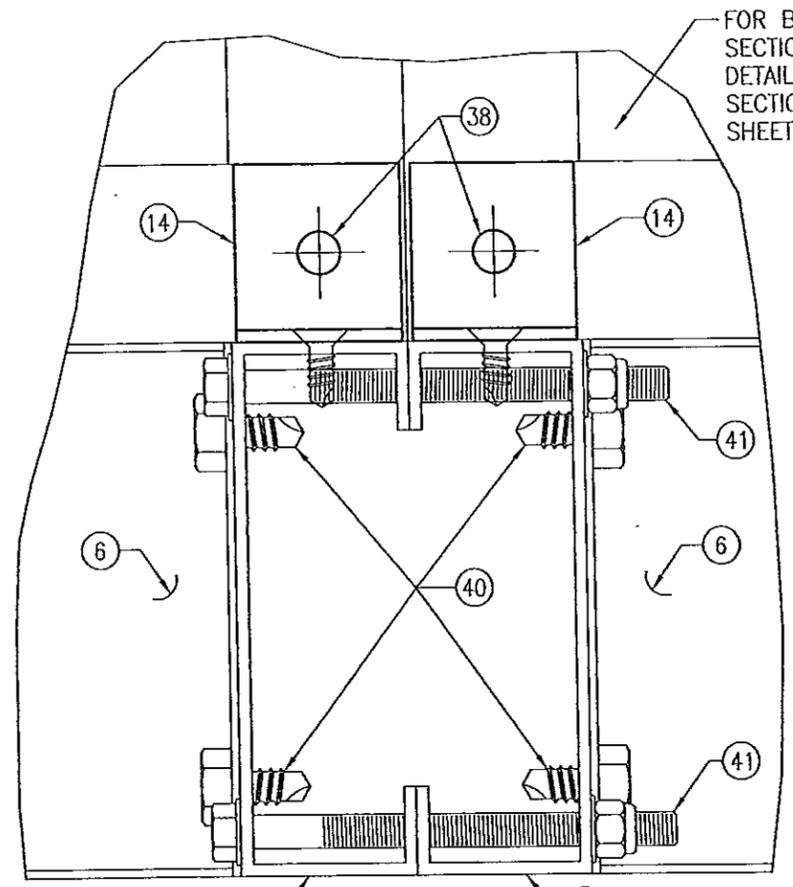
DETAIL 1
SCALE: 1/2 FULL



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

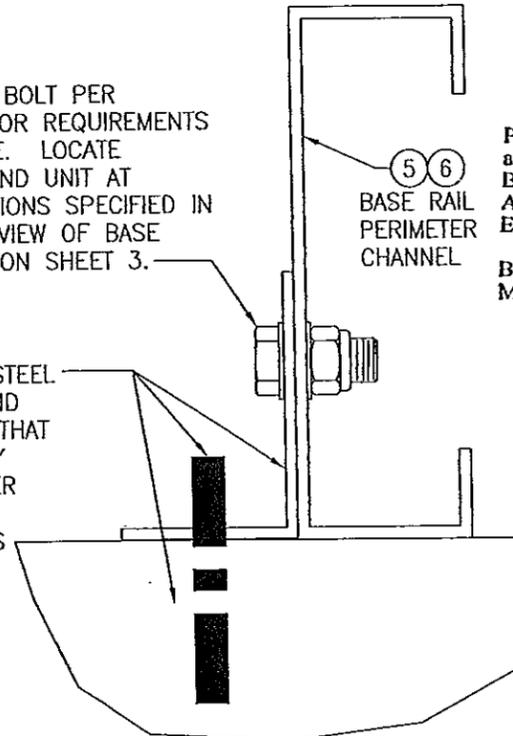


DETAIL 3
SCALE: 1/2 FULL



DETAIL 2
SCALE: 1/2 FULL

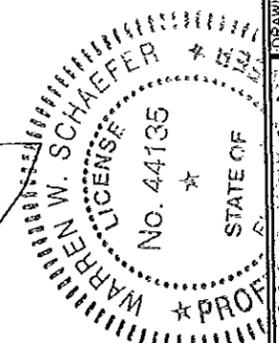
1/2" BOLT PER ANCHOR REQUIREMENTS TABLE. LOCATE AROUND UNIT AT POSITIONS SPECIFIED IN TOP VIEW OF BASE RAIL ON SHEET 3.



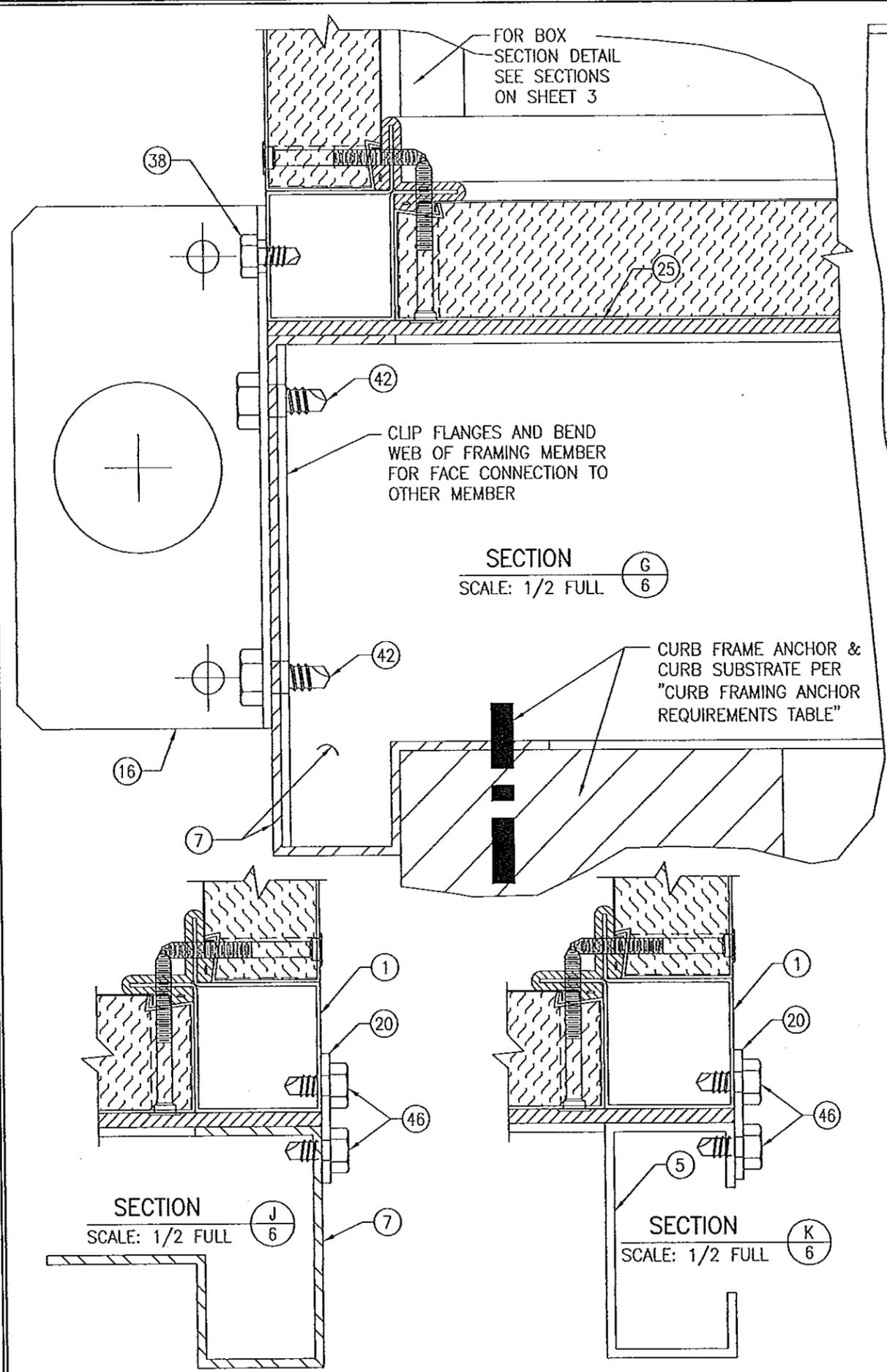
OPTIONAL BASE RAIL INSTALLATION DETAIL
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS & DETAILS

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No 13-0206-14
Expiration Date 04/17/2018
By *[Signature]*
Miami Dade Product Control

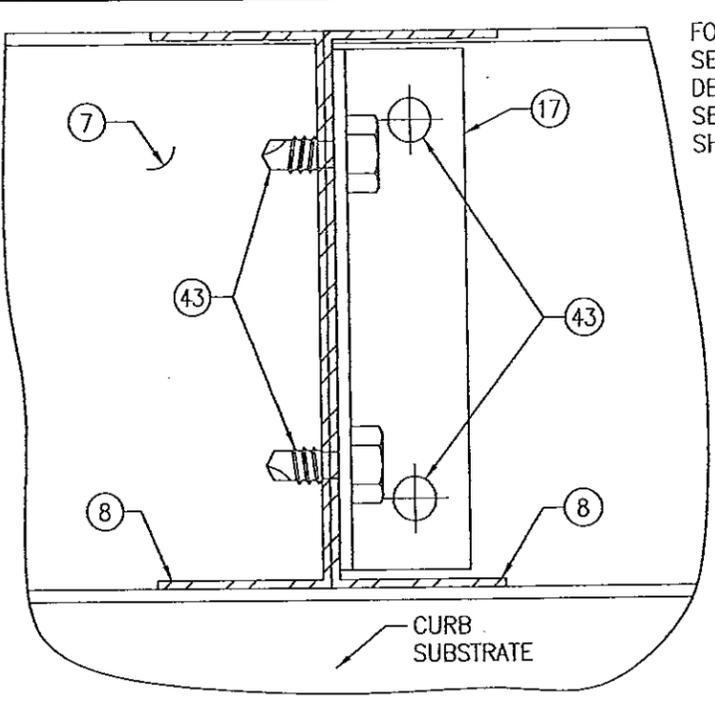
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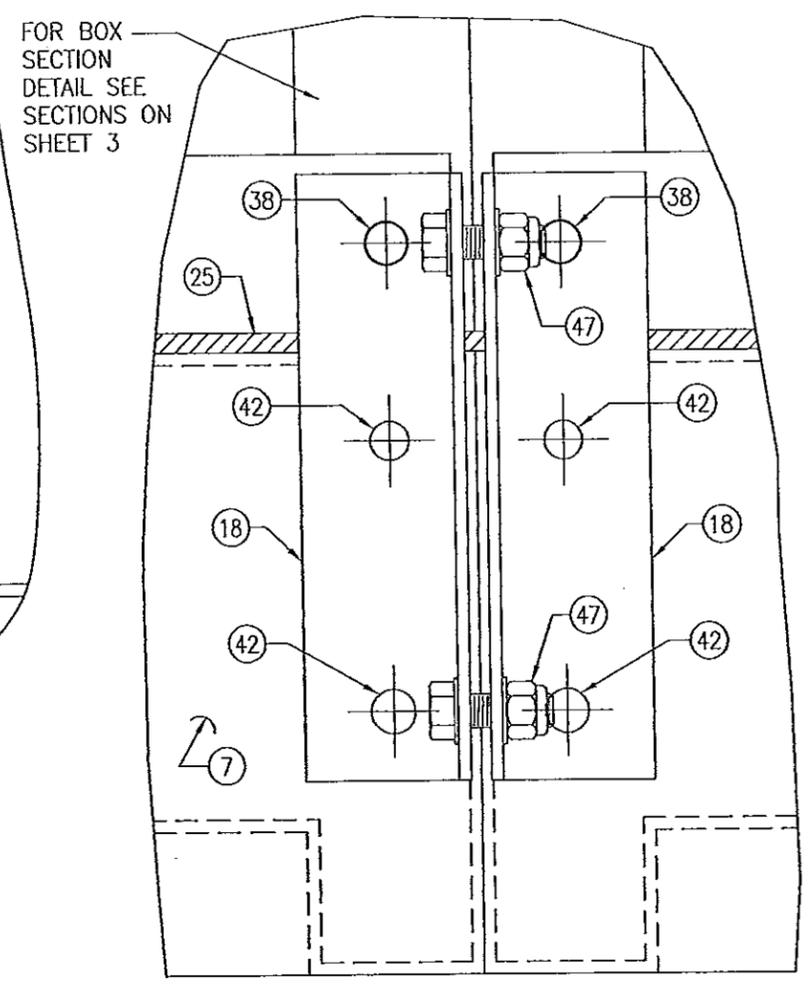
DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 08/20/07	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE VISION/SKYLINE AIR HANDLING UNIT			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER MCQUAY INTERNATIONAL 13600 INDUSTRIAL PARK BLVD. MINNEAPOLIS, MN 55441 800-432-1342	
DRAWING NO. 1516		REV. A	
SHEET NO. 5		OF 9	



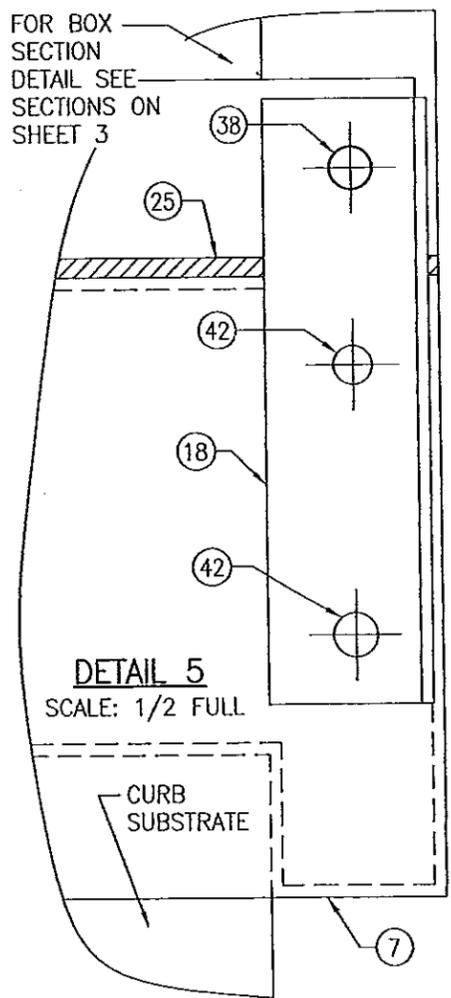
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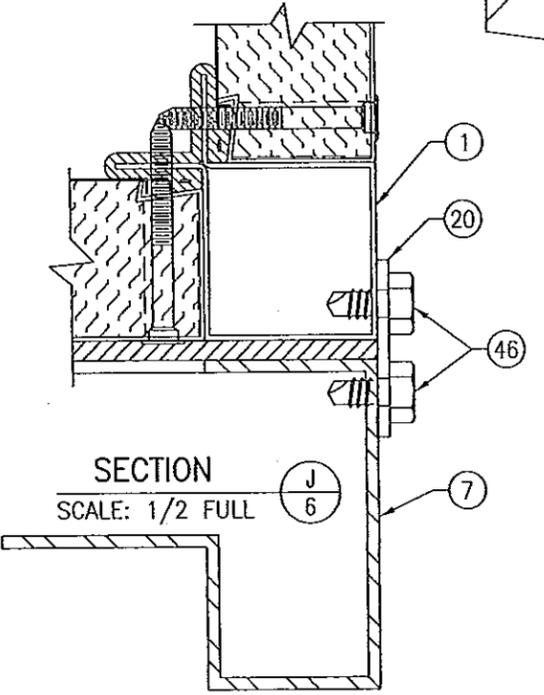
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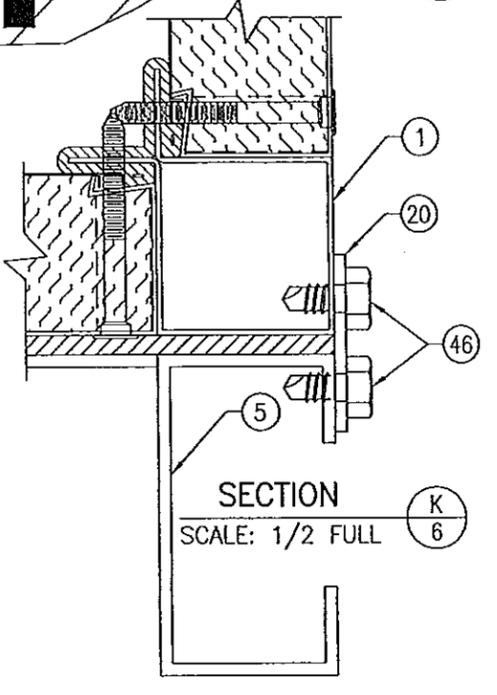
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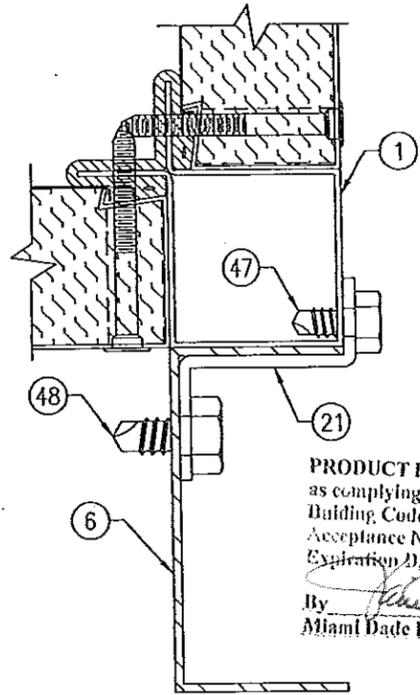
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SECTION J
SCALE: 1/2 FULL



SECTION K
SCALE: 1/2 FULL



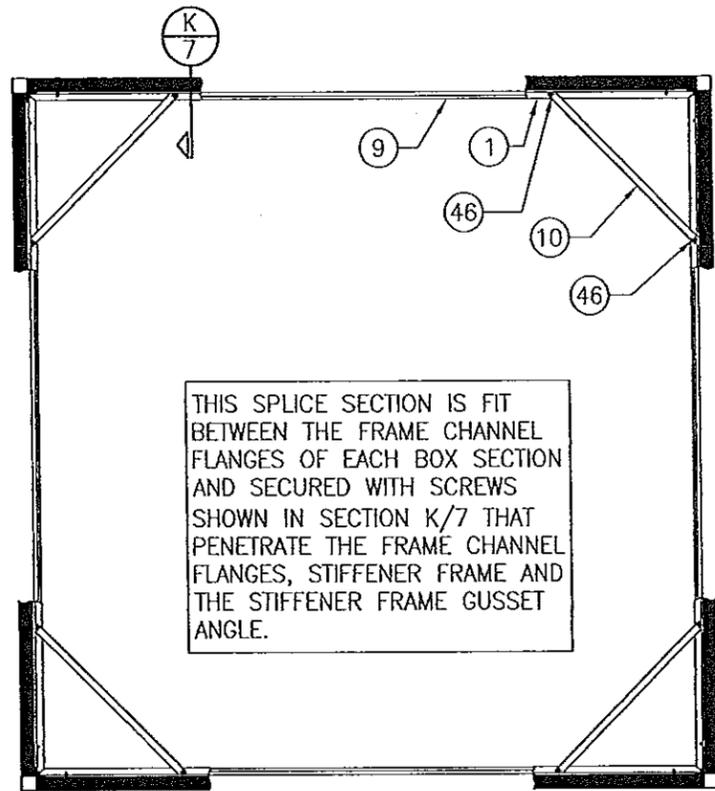
SECTION L
SCALE: 1/2 FULL

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-1118.02
Expiration Date 04/17/2013
By *Heather A. Miller*
Miami Dade Product Control

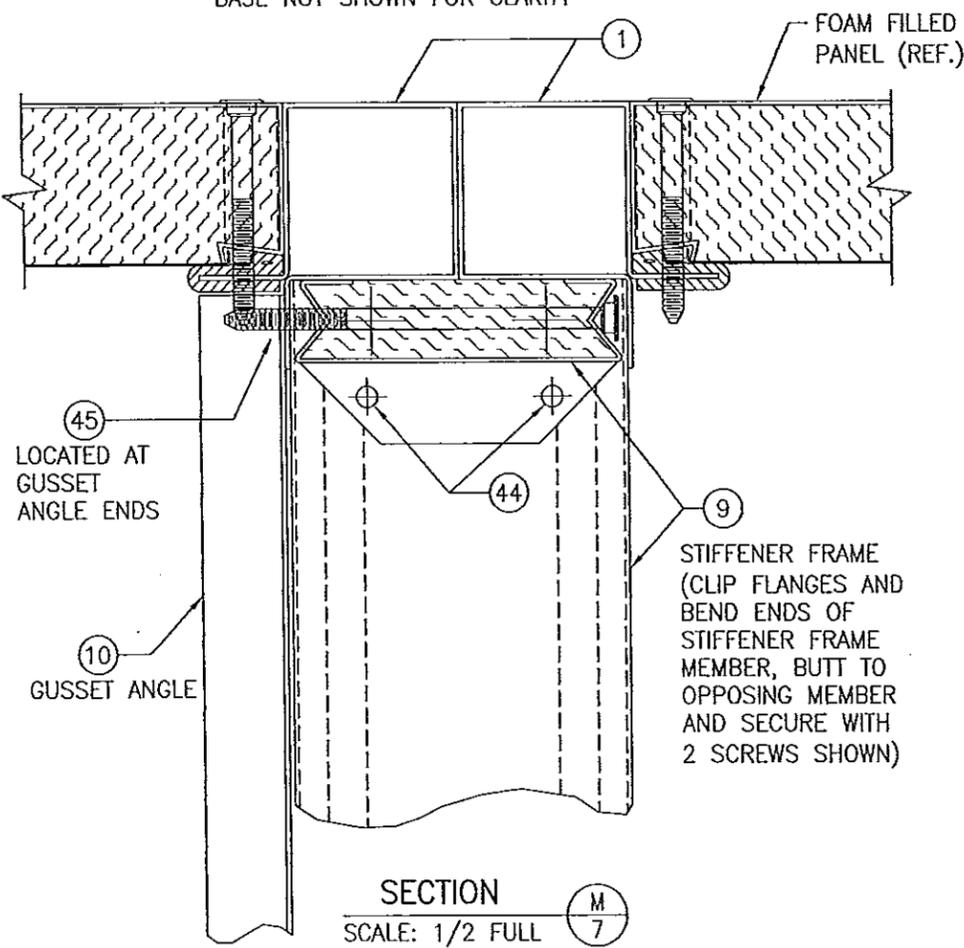
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 13-0706.14
Expiration Date 04/17/2018
By *Warren W. Schaefer*
Miami Dade Product Control



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/SKYNE AIR HANDLING UNIT			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		MANUFACTURER: MCQUAY INTERNATIONAL	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		13600 INDUSTRIAL PARK BLVD. MINNEAPOLIS, MN 55441 800-432-1342	
CERTIFICATION: NOV 16 2011		P.E. NO. 44135	
DRAWING NO. 1516		REV. A	
SHEET NO. 6		OF 9	



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



SECTION **J/7**
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

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/SKYLINE AIR HANDLING UNIT

MANUFACTURER
MCQUAY INTERNATIONAL
13600 INDUSTRIAL PARK BLVD.
MINNEAPOLIS, MN 55441
800-432-1342

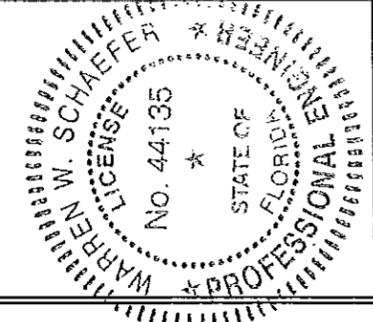
CONSULTANTS
W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

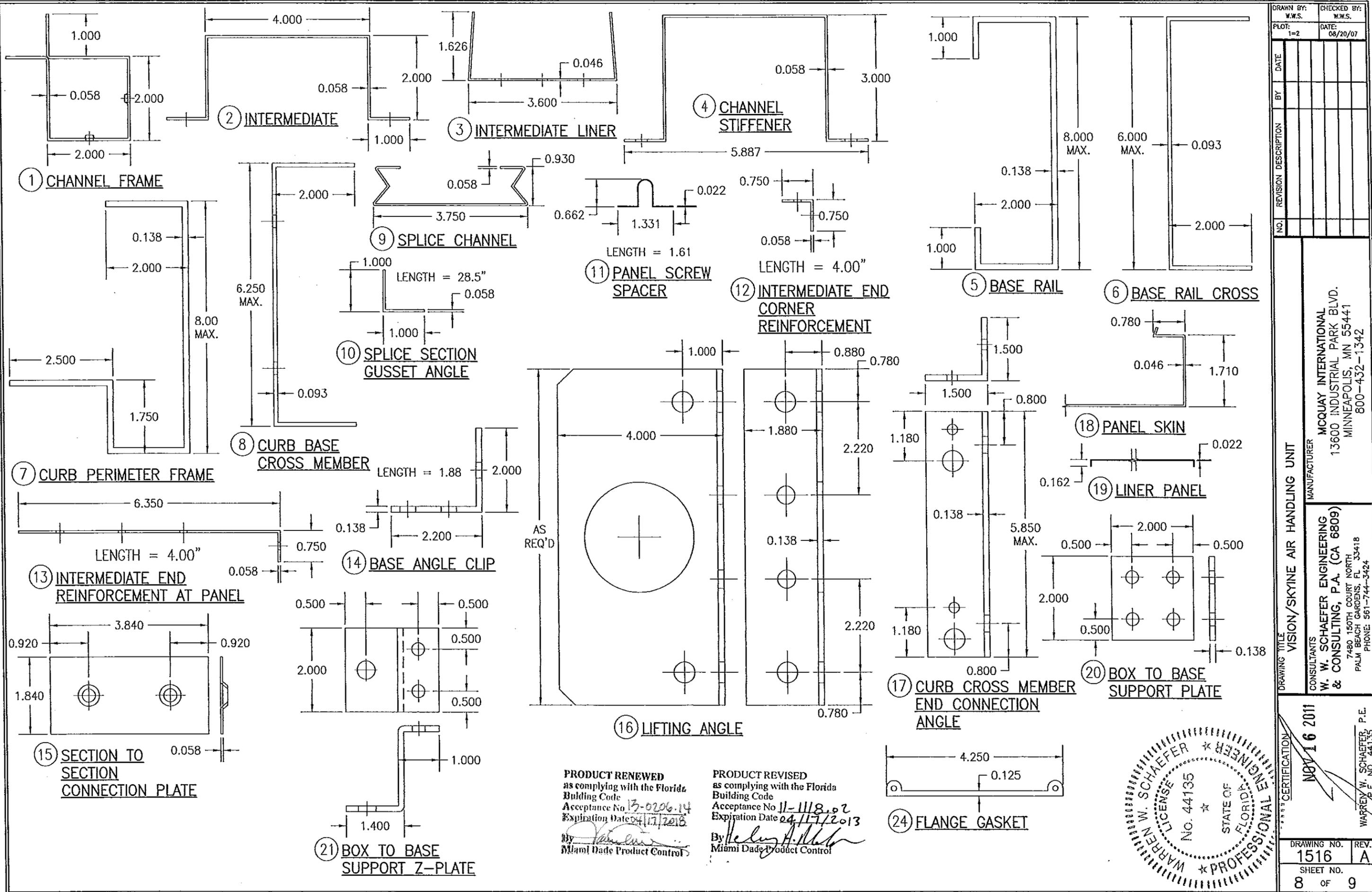
CERTIFICATION
NOV 16 2011

WARREN W. SCHAEFER
P.E. NO. 44135

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 13-0206.14
Expiration Date 04/07/2018
By [Signature]
Miami Dade Product Control

PRODUCT REVISED
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Building Code
Acceptance No 11-1118.02
Expiration Date 04/17/2013
By [Signature]
Miami Dade Product Control





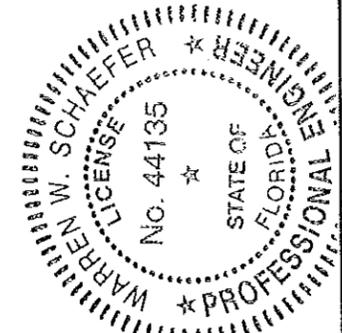
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PLOT: 1=2	DATE: 08/20/07
NO.	REVISION DESCRIPTION

DRAWING TITLE
VISION/SKYLINE AIR HANDLING UNIT

MANUFACTURER
MCQUAY INTERNATIONAL
13600 INDUSTRIAL PARK BLVD.
MINNEAPOLIS, MN 55441
800-432-1342

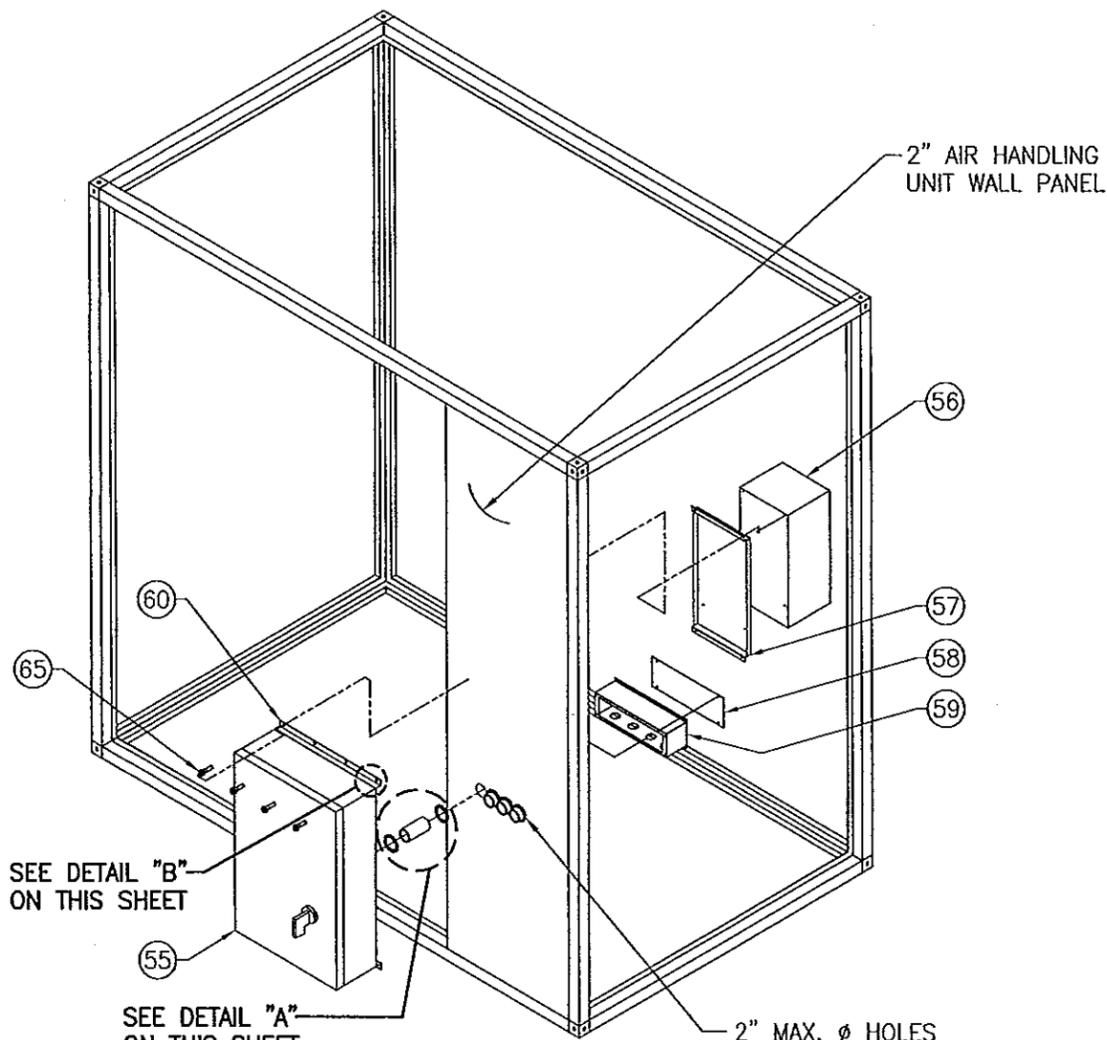
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& CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

CERTIFICATION
NOV 16 2011
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135



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By *[Signature]*
Miami Dade Product Control

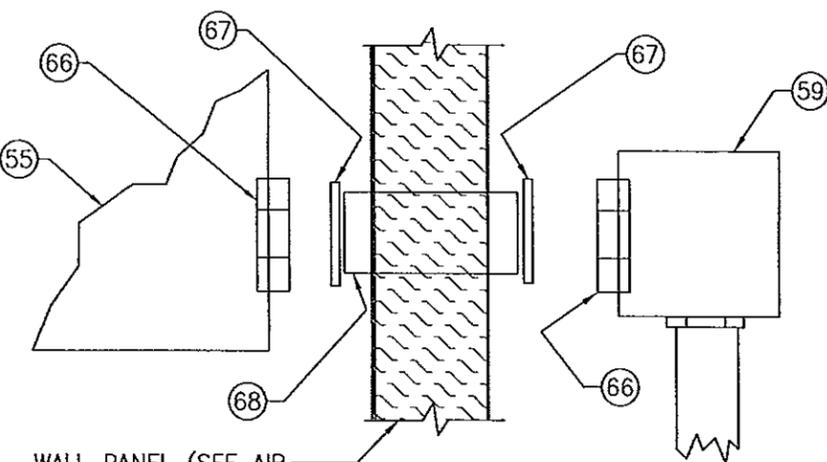
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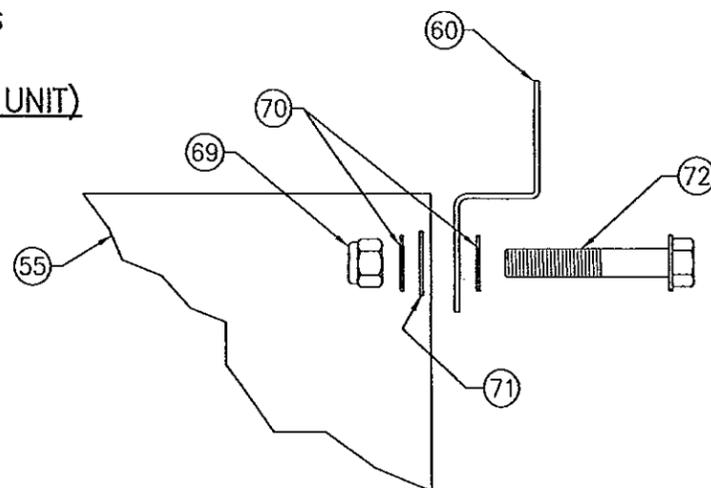
ISOMETRIC VIEW

(NEMA BOX & ITS INSTALLATION TO THE AIR HANDLING UNIT)

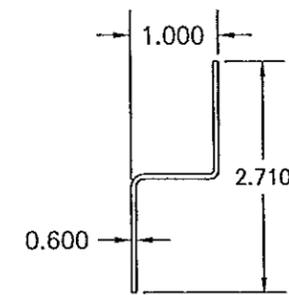
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DETAIL "A"
SCALE: N.T.S.



DETAIL "B"
SCALE: N.T.S.



LENGTH = AS REQ'D FOR NEMA BOX

60 CONTROL PANEL MOUNTING BRACKET

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
NEMA BOX PARTS		
55	CONTROL PANEL	NEMA 3R
56	VFD	AS REQUIRED
57	VFD MOUNT	AS REQUIRED
58	JUNCTION COVER	0.46 THICK GALVANIZED STEEL
59	JUNCTION BOX	0.46 THICK GALVANIZED STEEL
60	CONTROL PANEL MOUNTING BRACKET	0.60 THICK GALVANIZED STEEL
MISC. FASTENERS		
65	1/4-20 X 1" TYPE "TT" SCREW	4 PER TOP & BOTTOM OF NEMA BOX
66	BUSHING	2 PER 4" SPACER
67	GROMMET	2 PER 4" SPACER
68	4" SPACER	SCH. 40 PVC
69	5/16" NUT	1 AT EACH END OF EACH CONTROL MOUNTING BRACKET
70	5/16" FLAT WASHER	2 AT EACH END OF EACH CONTROL MOUNTING BRACKET
71	SEALING WASHER	1 AT EACH END OF EACH CONTROL MOUNTING BRACKET
72	5/16-18 X 1"	1 AT EACH END OF EACH CONTROL MOUNTING BRACKET

DATE	BY	REVISION DESCRIPTION	NO.

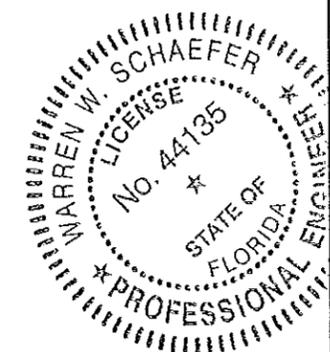
VISION/SKYLINE AIR HANDLING UNIT
 MANUFACTURER
MCQUAY INTERNATIONAL
 13600 INDUSTRIAL PARK BLVD.
 MINNEAPOLIS, MN 55441
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CONSULTANTS
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DRAWING NO.	REV.
1516	A
SHEET NO.	
9	OF 9