



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)

Trane US, Inc.
9900 Aire Circle
Fort Smith, Arkansas 72916

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: Trane Custom Climate Changer Air Handler Units

APPROVAL DOCUMENT: Drawing No. S6538-0029, titled "Trane Custom Climate Changer Air Handler Units", sheets 1 through 13 of 13, prepared by Wolters Engineering, Inc., dated May 29, 2013, signed and sealed by Scott Wolters, P.E., on May 29, 2013, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each panel 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 revises & renews NOA # 08-0530.02 and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.



Helmy A. Makar
08/08/2013

NOA No. 13-0708.07
Expiration Date: 08/28/2018
Approval Date: 08/08/2013

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 08-0530.02

A. DRAWINGS:

1. *Drawing No. S6538-0029, titled "Trane Custom Climate Changer Air Handler Units", sheets 1 through 13 of 13, prepared by Wolters Engineering, Inc., dated July 29, 2008, signed and sealed by Scott Wolters, P.E., on July 29, 2008.*

B. TESTS:

1. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test of Trane Custom Climate Changer Air Handler Unit, prepared by Hurricane Test Laboratory, Inc., Report No. 0254-0519-07, dated 02/18/2008, signed and sealed by Vinu J. Abraham, P.E.*

C. CALCULATIONS:

1. *Panel and fasteners analysis prepared by Wolters Engineering, Inc., dated May 12, 2008, signed and sealed by Scott Wolters, P.E.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *Tensile Test Report No. 11M-1295, prepared by QC Metallurgical, Inc., dated 10/30/01.*
2. *Tape properties by SikaLastomer Technique.*
3. *Tape properties by Durace, Inc.*
4. *Rigid Froth-Foam properties from Foam Enterprises.*
5. *Salt Spray test per ASTM B117.*
6. *Industrial Polyurethane Adhesive/Sealant properties by Sikaflex.*

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS:

1. *Drawing No. S6538-0029, titled "Trane Custom Climate Changer Air Handler Units", sheets 1 through 13 of 13, prepared by Wolters Engineering, Inc., dated May 29, 2013, signed and sealed by Scott Wolters, P.E., on May 29, 2013.*

B. TESTS:

1. *None.*

C. CALCULATIONS:

1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor
NOA No. 13-0708.07
Expiration Date: 08/28/2018
Approval Date: 08/08/2013

Trane US, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

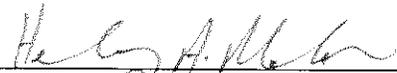
1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

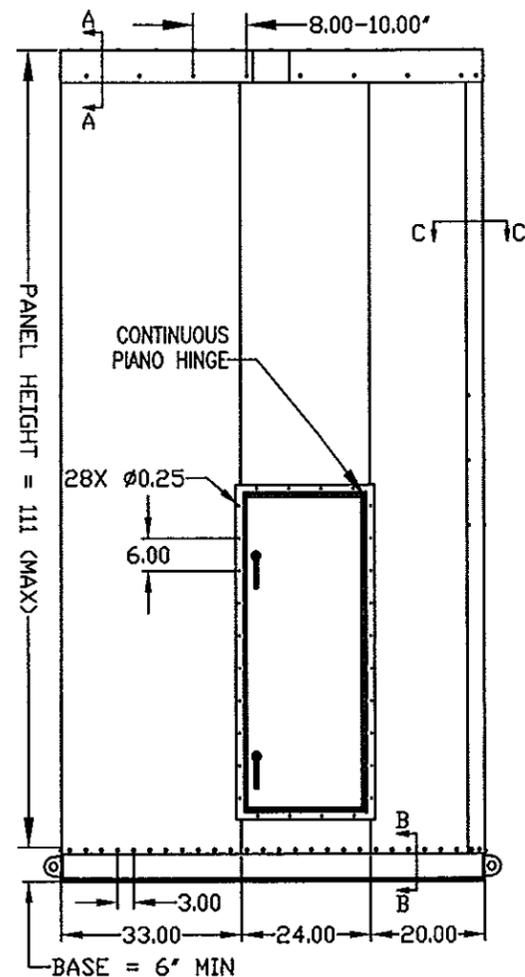
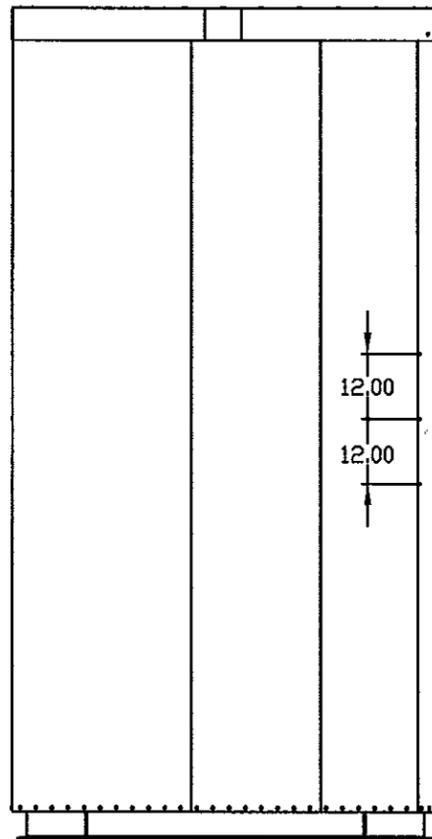
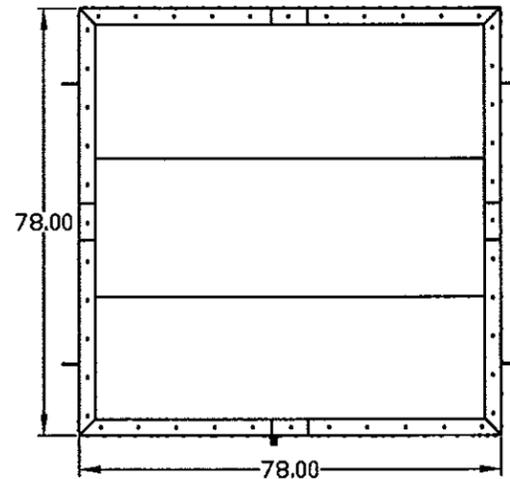
1. *None.*

F. STATEMENTS

1. *FBC, 2010 conformance letter, dated May 29, 2013, signed and sealed by Scott Wolters, P.E., on May 29, 2013.*

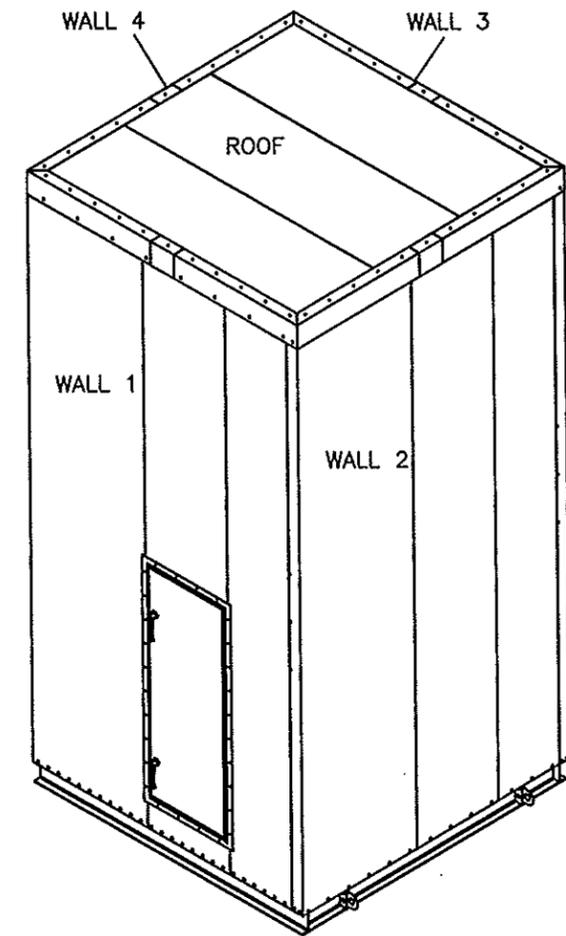


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Product Control Unit Supervisor
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APPROVED MAX. SIZE FOR WALL PANELS At design wind load of 100 PSF for foam and 65 PSF for fiberglass	
Wall 1,2,3 and 4 Foam (2" Thick) 33" x 111" 24" x 111" 20" x 111"	Wall 5 Fiberglass and Foam (4" Thick) 30" x 121"
FASTENERS Panels secured to the Base Structural Steel Frame with 1/4" Hex Head, Zinc Plated, Fasteners and Neoprene Washers Self-Tapping 3.0" O.C.(MAX)	
UNIT BASE Fully Welded 0.123"(min.) Thick Structural U Beam with intermediate U Beam Cross Supports at 24" O.C. (See notes Sht. 5)	
UNIT FLOORS Inner walk on Floor is 14 ga Steel	
ACCESS DOOR (60H x 24W AND 48H x 30W) 20ga G-90 Galv. (Outer) 20ga G-90 Galv. (Inner) ITM 4 Doors 2 Door handles- VENTLOK 260	
Wall Construction Detail (wall 1 and wall 3) Inner Skin 20 ga steel/Outer Skin 18 ga steel <u>Internal Stiffener Layout</u> 33" wide panel contains 3 internal stiffeners 24" wide panel contains 2 internal stiffeners 18" wide panel contains 2 internal stiffeners <u>External Hat channels</u> Applied to door/opening seams only (wall 1) No Hat channels for wall 3	
WALL CONSTRUCTION DETAIL (4) Inner Skin 20 ga steel Outer Skin 18 ga steel 1 Stiffener per panel (Internal) Hat Channels at external wall panel seams Panel Widths: 33", 24" and 18"	
WALL CONSTRUCTION DETAIL (2) Inner Skin 0.050" AL Material Outer Skin 0.050" AL Material 1 Stiffeners per panel (Internal) Hat Channels at external wall panel seams Panel Widths: 33", 24" and 18"	
ROOF CONSTRUCTION DETAIL Inner AND Outer Skin 0.050" AL Material 1 Stiffener per panel (Internal) No Hat Channel Up To 77"L X 25"W, The Rest Follow Wall Panel Construction.	

APPROVED MAX. SIZE FOR ROOF PANELS
 At design wind load of 75 PSF for foam
 and 48.75 PSF for fiberglass
 (see Roof Construction details below)



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 13-0708-07
 Expiration Date 06/23/2018
 By *[Signature]*
 Manual Date Product Control

NOTE:
 UNIT CAN BE CONSTRUCTED WITH ANY ONE OF THESE WALL CONSTRUCTION METHODS OR ANY COMBINATION OF THESE CONSTRUCTION METHODS.
 SEE ALLOWABLE DESIGN WIND LOAD FOR FOAM AND FIBERGLASS. WHEN COMBINED THE ALLOWABLE DESIGN WIND LOAD SHALL BE LIMITED TO FIBERGLASS AS DESIGN LOAD (65 PSF FOR WALL AND 48.75 PSF FOR ROOF)

SHEET 1 OF 13

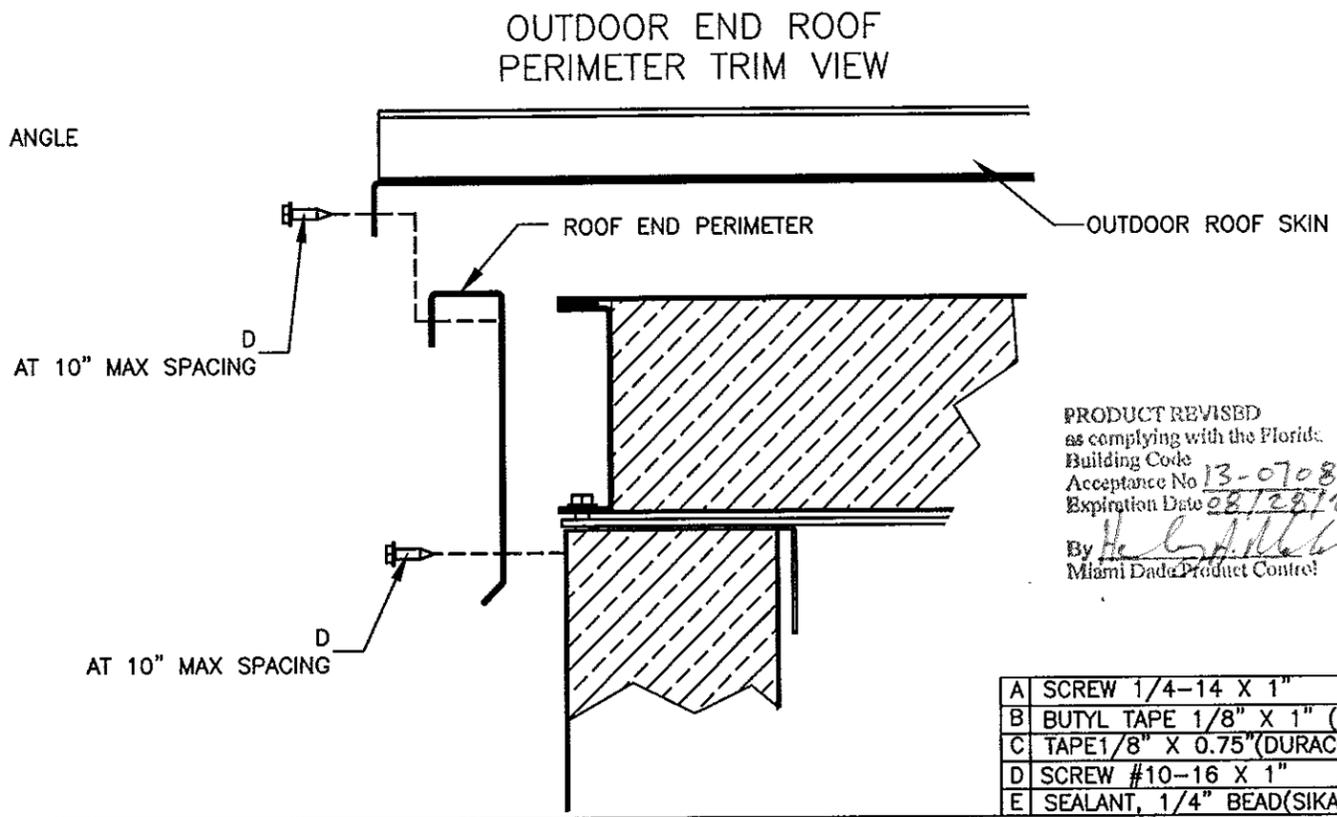
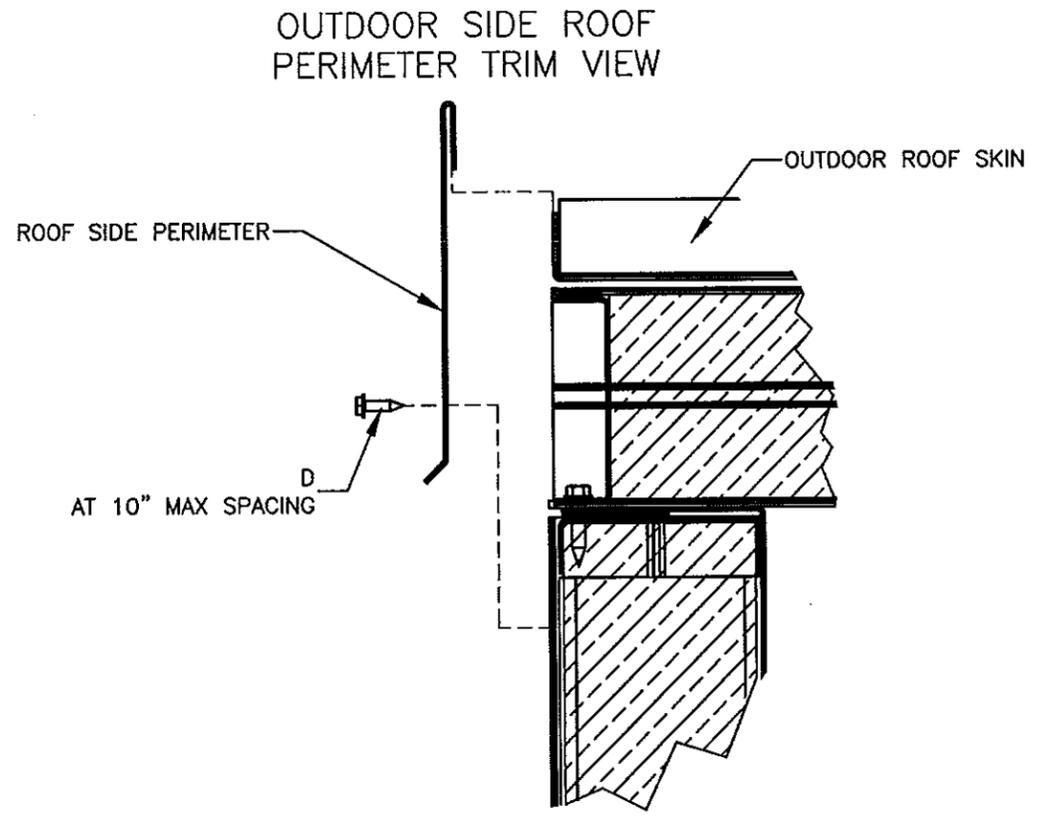
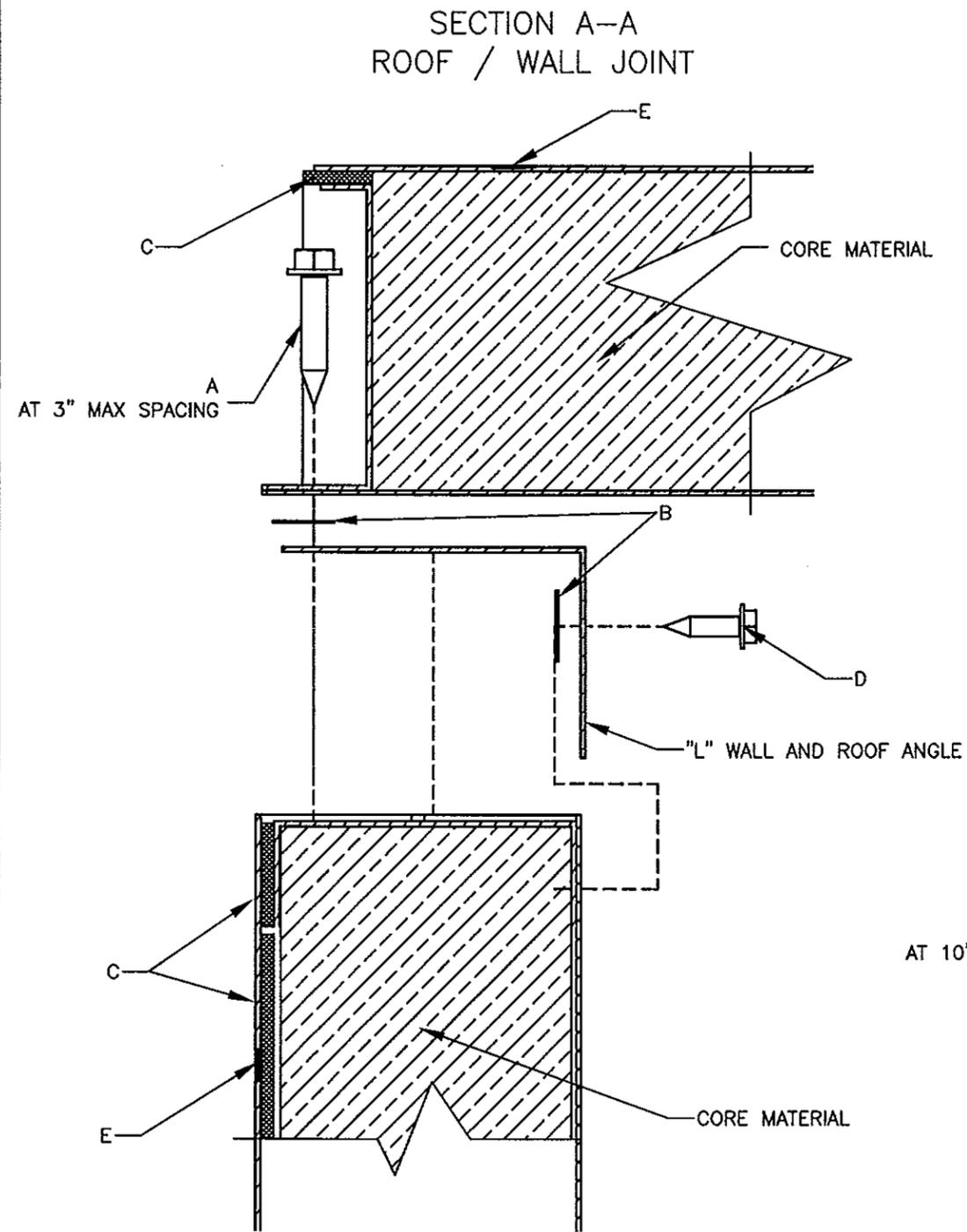
OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER: SCOTT VOLTERS
 FL PE# 62354
 VOLTERS ENGINEERING, INC.
 (CO# 87194)
 5358 SW 32ND TERRACE
 FT. LAUDERDALE, FL 33312
 MAY 29 2013

PROJECT: HURRICANE CERT
 DESCRIPTION: TEST UNIT SPECIFICATION
 SALES OFFICE:

JOB NUMBER:
 PROPOSAL #:
 DWG #: S6538-0029
 UNIT TAG:
 SHIP WT:

TRANE CUSTOM
 Climate Changer™ Air Handler Units



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as complying with the Florida
Building Code
Acceptance No 13-0708.07
Expiration Date 08/23/2018
By Heather A. Miller
Miami Dade Product Control

A	SCREW 1/4-14 X 1"
B	BUTYL TAPE 1/8" X 1" (SIKA)
C	TAPE 1/8" X 0.75" (DURACO/STIKII)
D	SCREW #10-16 X 1"
E	SEALANT, 1/4" BEAD (SIKAFLEX)

SHEET 2 OF 13

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

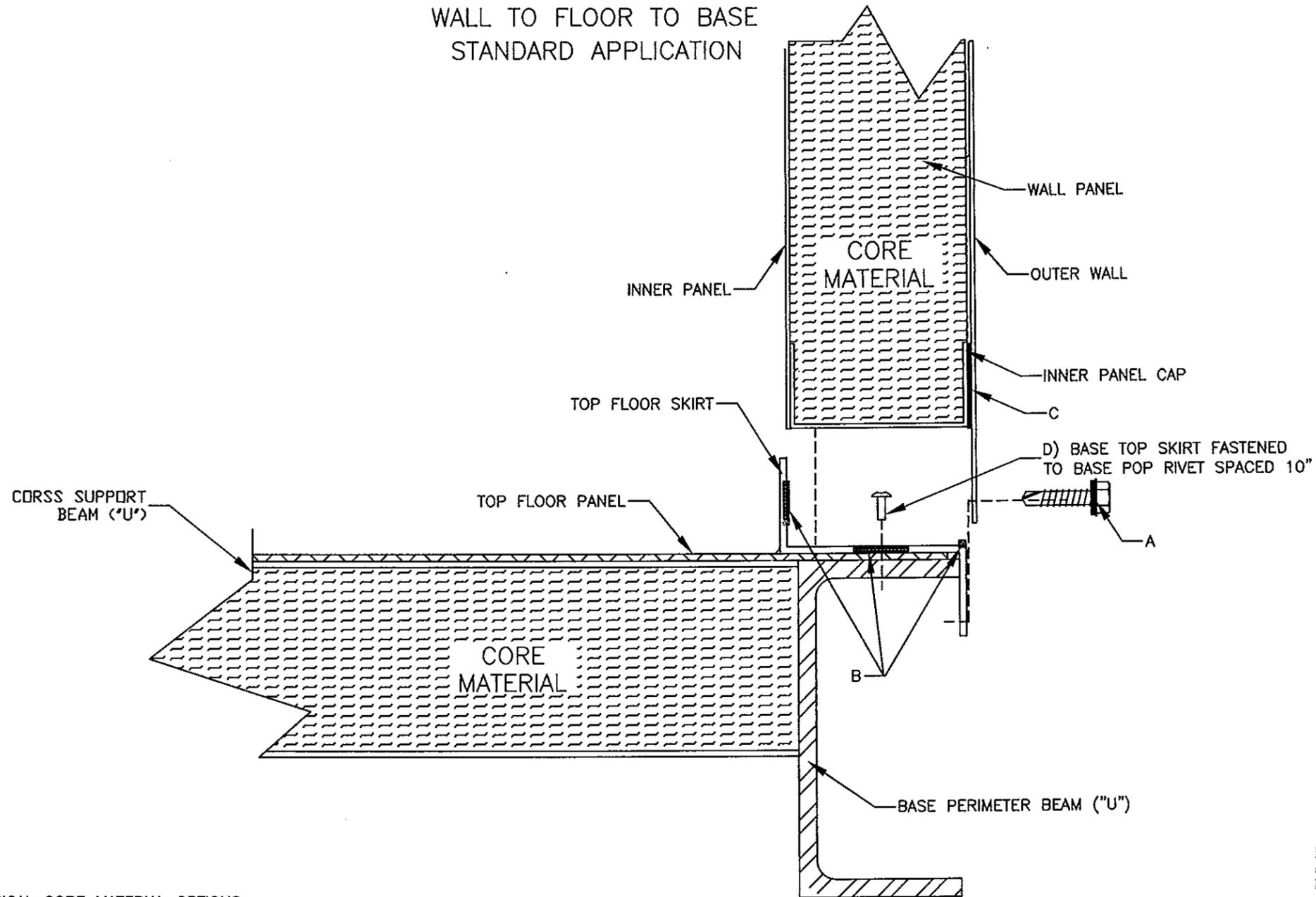
ENGINEER: SCOTT WOLTERS
FL PE# 62354
SEAL: *Scott Wolters*
VOLTERS ENGINEERING, INC.
(COAR 27194)
5358 SW 32ND TERRACE
FT. LAUDERDALE, FL 33312
MAY 29 2013

PROJECT: HURRICANE CERT
DESCRIPTION: ROOF/WALL JOINT
SALES OFFICE:

JOB NUMBER:
PROPOSAL #:
DWG #S6538-0029
UNIT TAG:
SHIP WT:

TRANE CUSTOM
Climate Changer™ Air Handler Units

WALL TO FLOOR TO BASE
STANDARD APPLICATION



TYPICAL CORE MATERIAL OPTIONS
 WALL: 2"-4" FOAM AND 4" FIBERGLASS
 FLOOR: 2"-4" FOAM OR FIBERGLASS

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 as complying with the Florida
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 Expiration Date 08/08/2018
 By *[Signature]*
 Miami Dade Product Control

A	SCREW 1/4-14 X 1"
B	SEALANT, 1/4" BEAD(SIKAFLEX)
C	TAPE 1/8" X 0.75"(DURACO/STIKI)
D	RIVET, 5/16 X 1"

SECTION B-B

SHEET 3 OF 13

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER: SCOTT WALTERS
 FL PER 62354
 SEAL: *[Signature]*
 WALTERS ENGINEERING, INC.
 (CDA# 27194)
 5358 SW 32ND TERRACE
 FT. LAUDERDALE, FL 33312
 MAY 29 2013

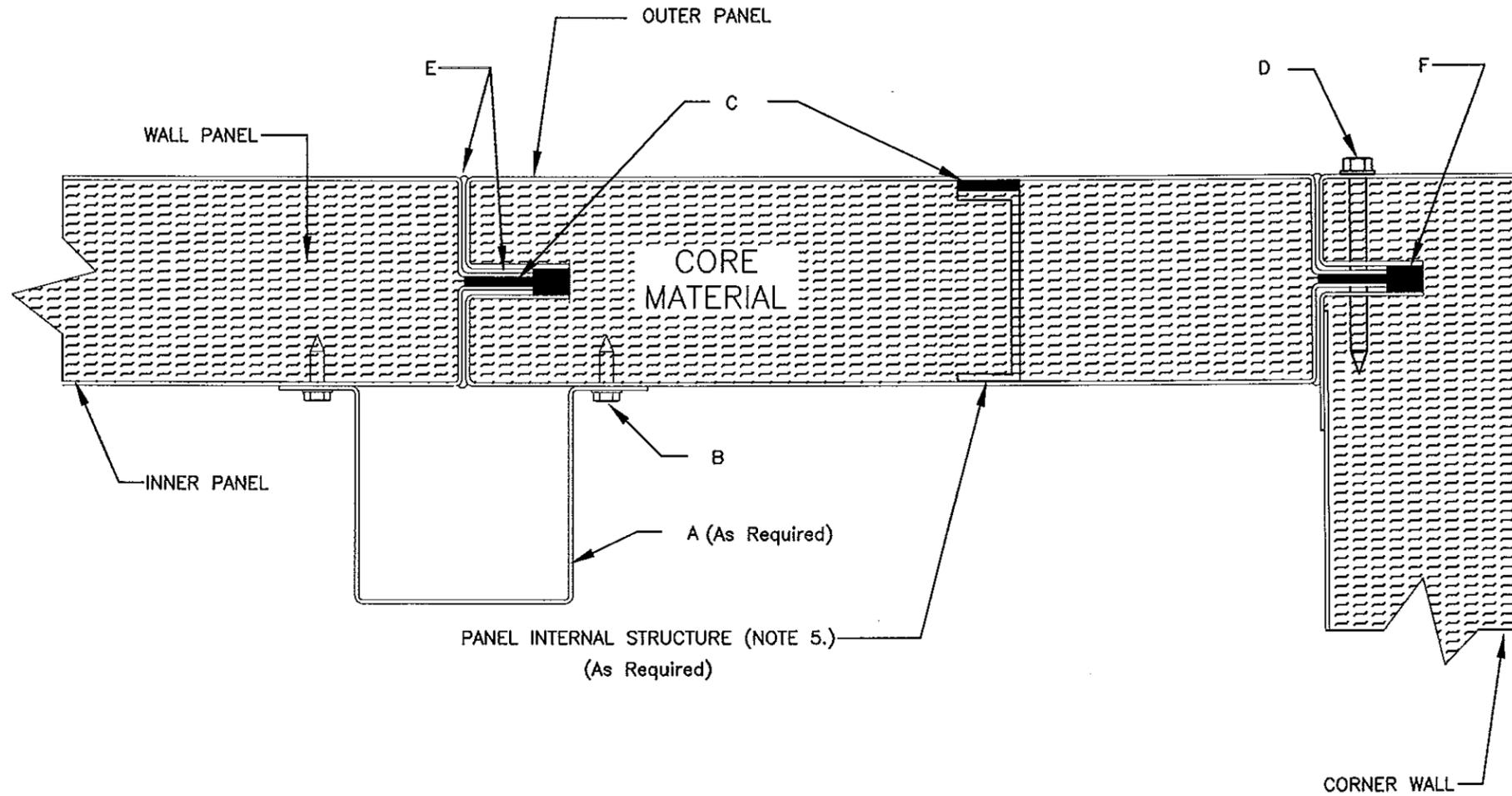
PROJECT: HURICANE CERT
 DESCRIPTION:
 SALES OFFICE:

JOB NUMBER:
 PROPOSAL #:
 DWG #: S6538-0029
 UNIT TAG:
 SHIP WT:



TRANE CUSTOM
 Climate Changer™ Air Handler Units

TYPICAL WALL CASING DETAIL
SECTION C-C



NOTES:

1. DOUBLE WALL THICKNESS CAN BE FROM 2 TO 4 INCHES. FOR FOAM CORE MATERIAL AND 4" FOR FIBERGLASS.
2. FOR MAXIMUM ROOF/FLOOR & WALL PANEL SIZES AND DETAILS, (SEE SHT. 1).
3. MAXIMUM WIND LOAD FOR FOAM WALL AND FLOOR PANEL DESIGN IS 100 PSF.
4. MAXIMUM WIND LOAD FOR FOAM ROOF PANEL DESIGN IS 75 PSF.
5. MAXIMUM WIND LOAD FOR FIBERGLASS WALL AND FLOOR PANEL IS 65 PSF.
6. MAXIMUM WIND LOAD FOR FIBERGLASS ROOF PANEL DESIGN IS 48.75 PSF.
7. PANEL INTERNAL STRUCTURAL "C" CHANNELS ARE SPOT WELDED TO INSIDE SKIN.

SHEET 4 OF 13

PRODUCT REVISED
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Expiration Date 08/28/2018
By *[Signature]*
Miami Dade Product Control

A	HAT CHANNEL
B	SCREW #10-16 X 1"
C	TAPE 1/8" X 0.75" (DURACO/STIKII)
D	SCREW #10-16 X 3"
E	SEALANT, 1/4" BEAD (SIKAFLEX)
F	TAPE, 1/4" X 0.75" (DURACO/STIKII)

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

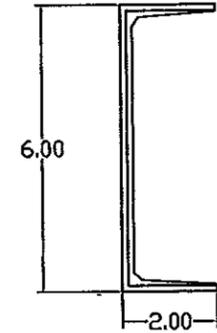
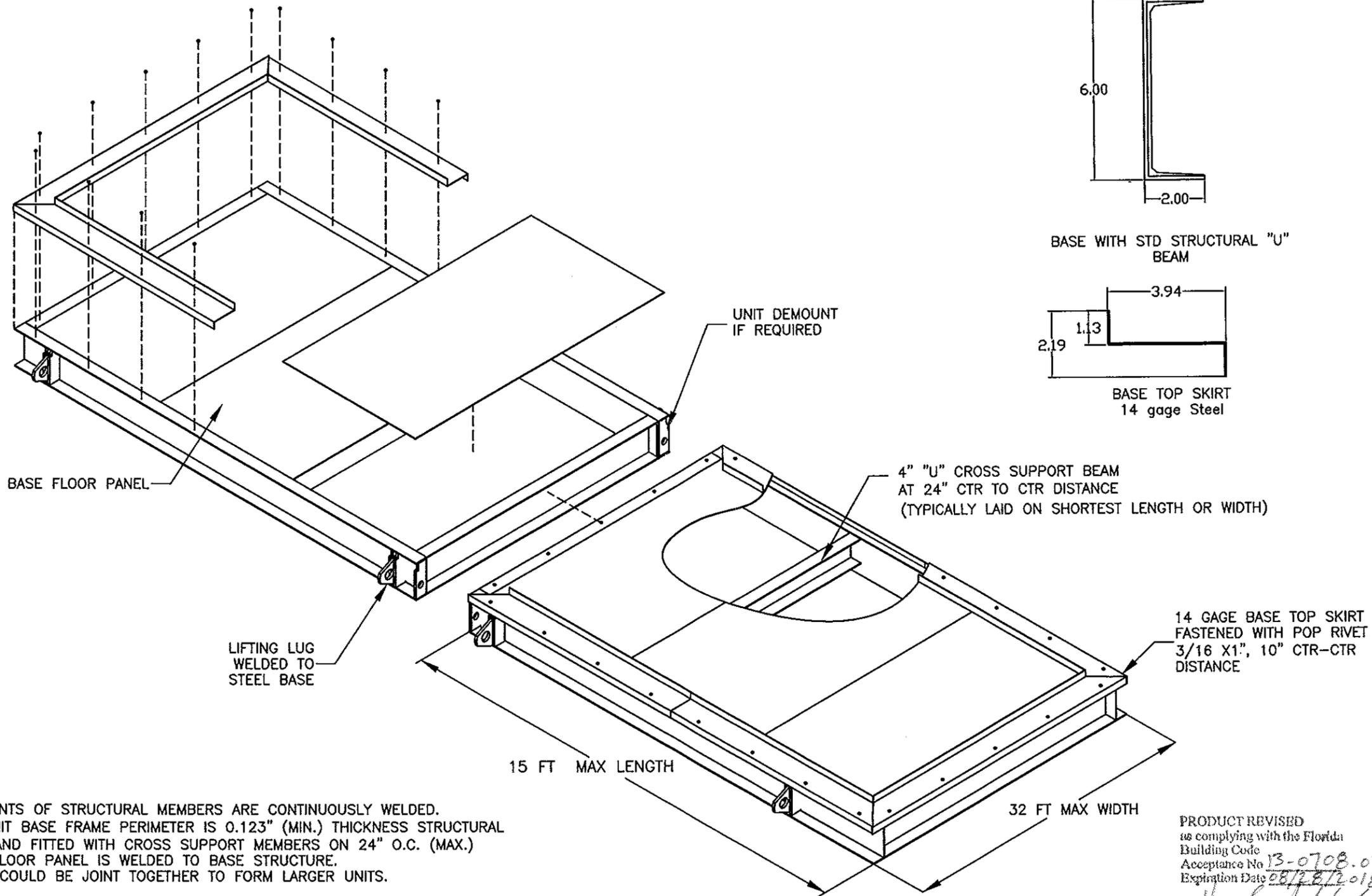
ENGINEER: SCOTT WOLTERS
FL PE# 62354
SEAL: *[Signature]*
VOLTERS ENGINEERING, INC.
(COA# 27194)
9398 SW 32ND TERRACE
FT. LAUDERDALE, FL 33312
MAY 29 2013

PROJECT: HURRICANE CERT
DESCRIPTION:
SALES OFFICE:

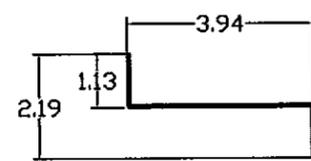
JOB NUMBER:
PROPOSAL #:
DWG #S6538-0029
UNIT TAG:
SHIP WT:



TRANE CUSTOM
Climate Changer™ Air Handler Units



BASE WITH STD STRUCTURAL "U" BEAM



BASE TOP SKIRT
14 gage Steel

- NOTES:
1. ALL JOINTS OF STRUCTURAL MEMBERS ARE CONTINUOUSLY WELDED.
 2. THE UNIT BASE FRAME PERIMETER IS 0.123" (MIN.) THICKNESS STRUCTURAL STEEL AND FITTED WITH CROSS SUPPORT MEMBERS ON 24" O.C. (MAX.)
 3. BASE FLOOR PANEL IS WELDED TO BASE STRUCTURE.
 4. BASES COULD BE JOINT TOGETHER TO FORM LARGER UNITS.

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By *Heather H. H.*
Miami Dade Product Control

SHEET 5 OF 13

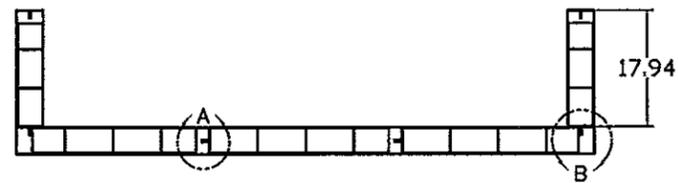
OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER: SCOTT VOLTERS FL PE# 68354 <i>Scott Volters</i>	PROJECT: HURRICANE CERT	JOB NUMBER:
	DESCRIPTION:	PROPOSAL#:
VOLTERS ENGINEERING, INC. (CO# 27194) 5358 SW 32ND TERRACE FT. LAUDERDALE, FL 33312 MAY 29 2013	SALES OFFICE:	DWG #: S6538-0029
		UNIT TAG:
		SHIP WT:

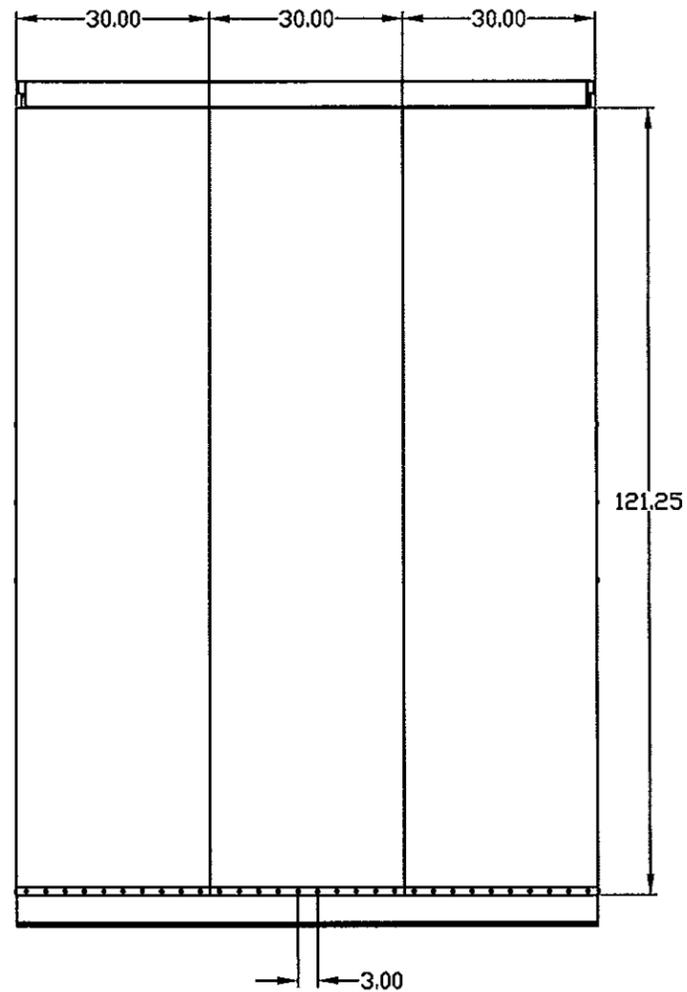


TRANE CUSTOM
Climate Changer™ Air Handler Units

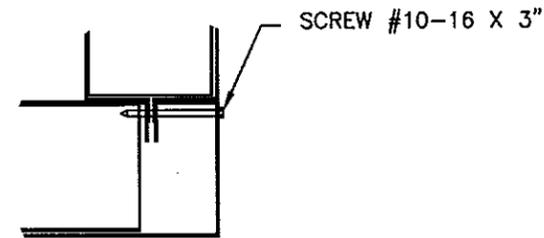
FIBERGLASS PANEL ASSEMBLY
(WALL 5)



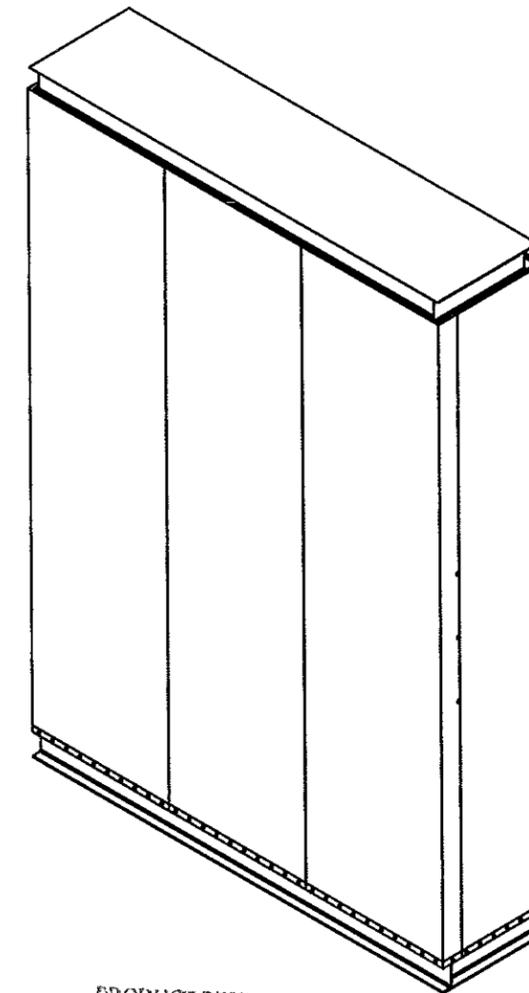
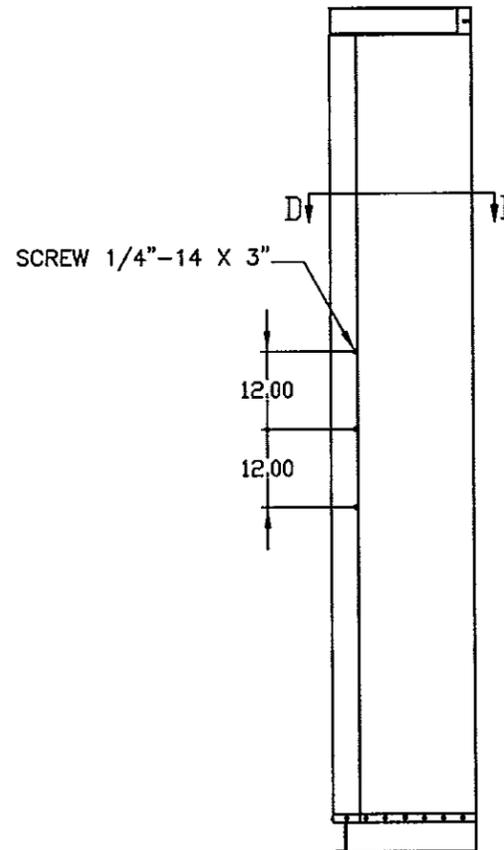
SECTION D-D



DETAIL A



DETAIL B



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 13-0708.07
Expiration Date 08/28/2018
By *[Signature]*
Miami Dade Product Con:

NOTES:
FIBERGLASS UNIT WALL PANEL MAXIMUM DESIGN WIND
LOAD 65 PSF
FIBERGLASS UNIT ROOF PANEL MAXIMUM DESIGN WIND
LOAD 48.75 PSF

WALL CONSTRUCTION DETAIL	
4" Thick Solid Wall (1.5 lbs density Fiberglass Insulation)	
Inner Skin 20 ga Galvanized	
Outer Skin 18 ga Galvanized	

PANEL WIDTH	NUMBER OF INTERNAL STIFFENERS
18"	2
30"	3

SHEET 6 OF 13

WALL PANEL FASTENED TO BASE TOP SKIRT WITH 1/4"-14 X 1"

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER: SCOTT WOLTERS
FL. P.E.# 62354
WOLTERS ENGINEERING, INC.
(CO.# 27194)
5358 SW 32ND TERRACE
FT. LAUDERDALE, FL 33312
MAY 29 2013

PROJECT: HURRICANE CERT

DESCRIPTION:

SALES OFFICE:

JOB NUMBER:

PROPOSAL #:

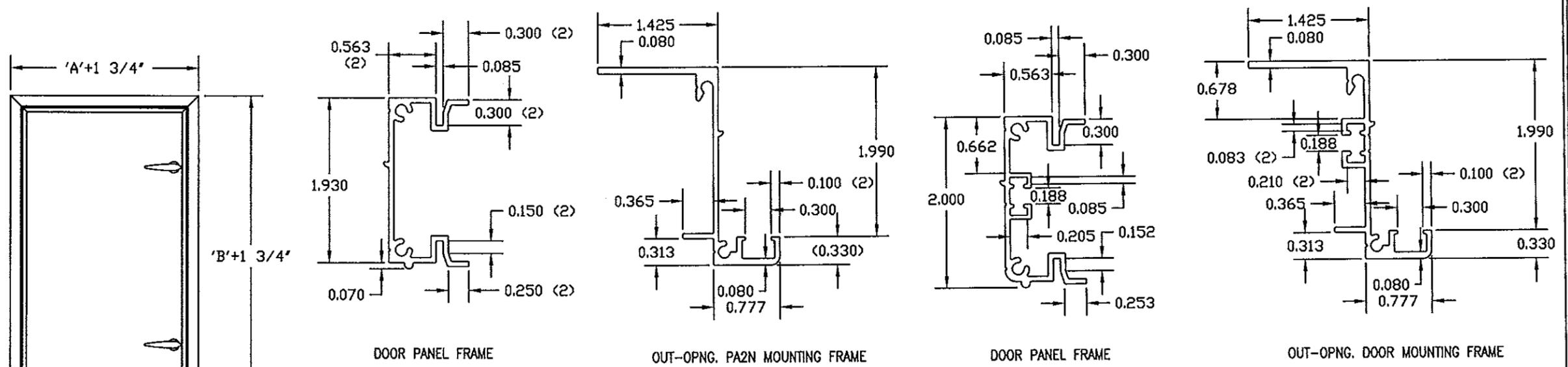
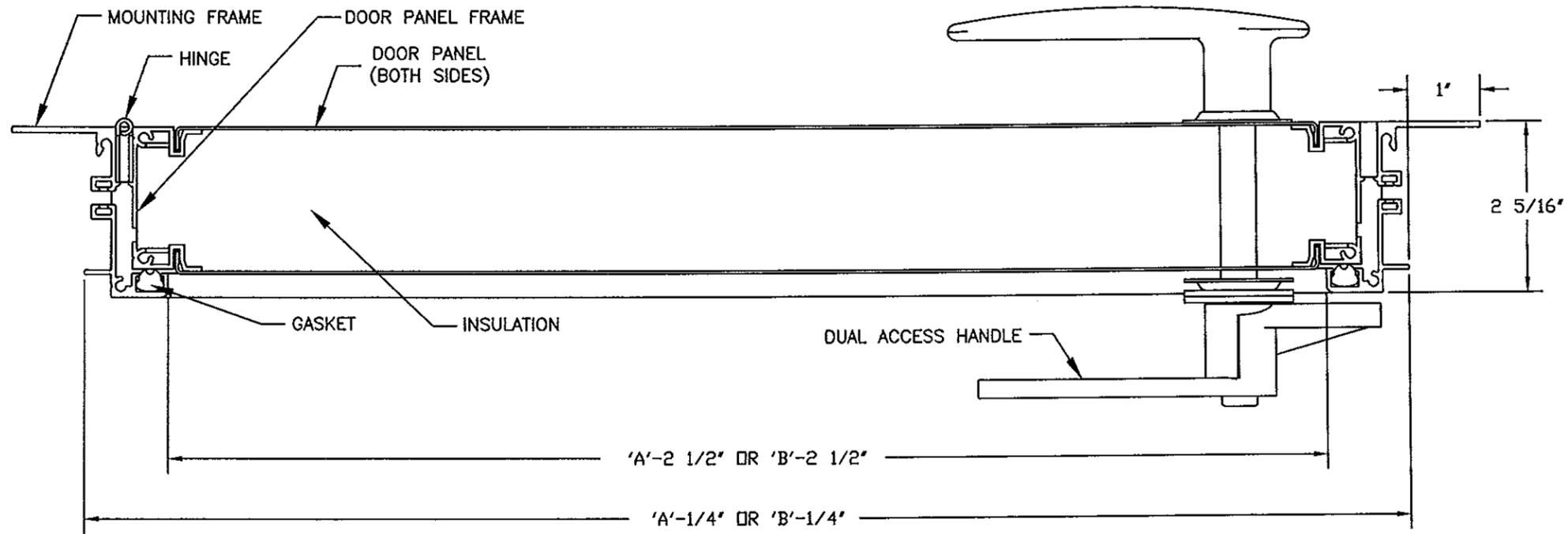
DWG #: S6538-0029

UNIT TAG:

SHIP WT:



TRANE CUSTOM
Climate Changer™ Air Handler Units



ALL MODEL DOORS ARE IN COMPLIANCE WITH UL 1995, 2nd EDITION, STANDARD FOR SAFETY HEATING AND COOLING EQUIPMENT, AND NFPA 90.

SHEET 8 OF 13

SPECIFICATIONS

- MOUNTING FRAME**
.080 6063-T5 EXTRUDED ALUMINUM
- DOOR PANEL FRAME**
.060 6063-T5 EXTRUDED ALUMINUM
- DOOR PANELS**
20 GA. GALVANIZED STEEL SHEET
- INSULATION**
2-1/4# DENSITY, R13 POLYURETHANE FOAM
- HANDLES**
DUAL ACCESS ZINC DIE CAST
- GASKET**
ONE PIECE SANTOPRENE
- HINGE**
.050 STAINLESS STEEL CONTINUOUS TYPE
- FINISH**
MILL

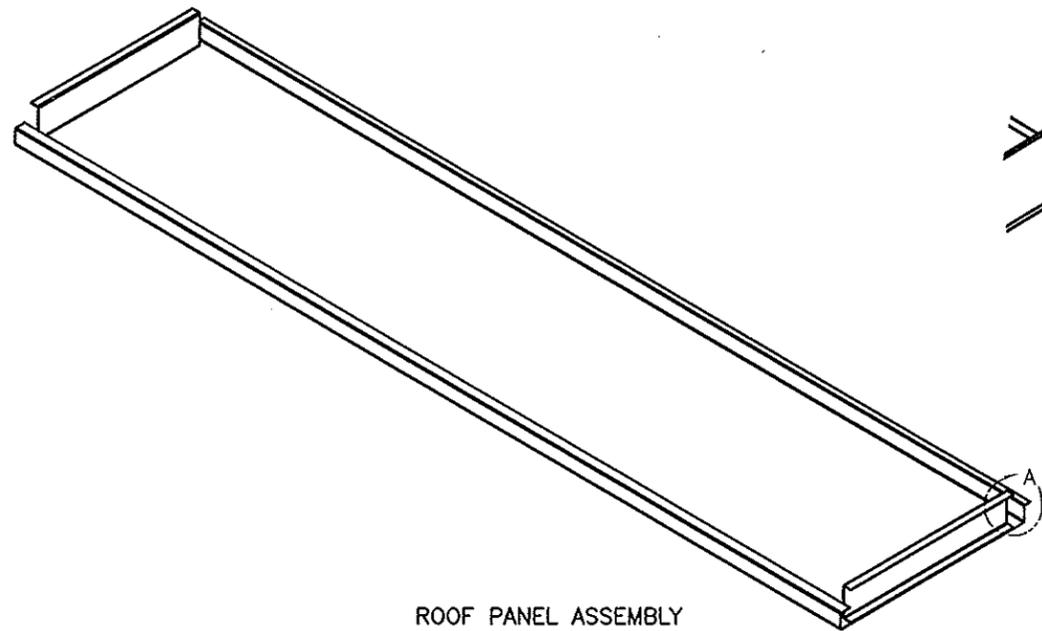
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 13-0708.07 Expiration Date 08/28/2018
By *[Signature]*
Miami Dade Product Control

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

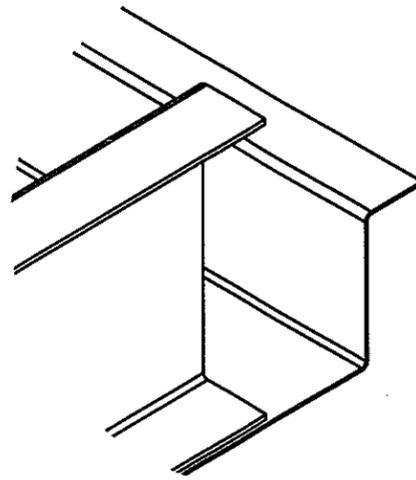
ENGINEER: SCOTT VOLTERS FL PER 62354 <i>[Signature]</i>	PROJECT: HURRICANE CERT	JOB NUMBER:
	DESCRIPTION: ITM4 DOOR	PROPOSAL #:
VOLTERS ENGINEERING, INC. (COA# 27194) 5358 SW 32ND TERRACE FT. LAUDERDALE, FL 33312 MAY 29 2013	SALES OFFICE:	DWG #: S6538-0029
		UNIT TAG:
		SHIP WT:



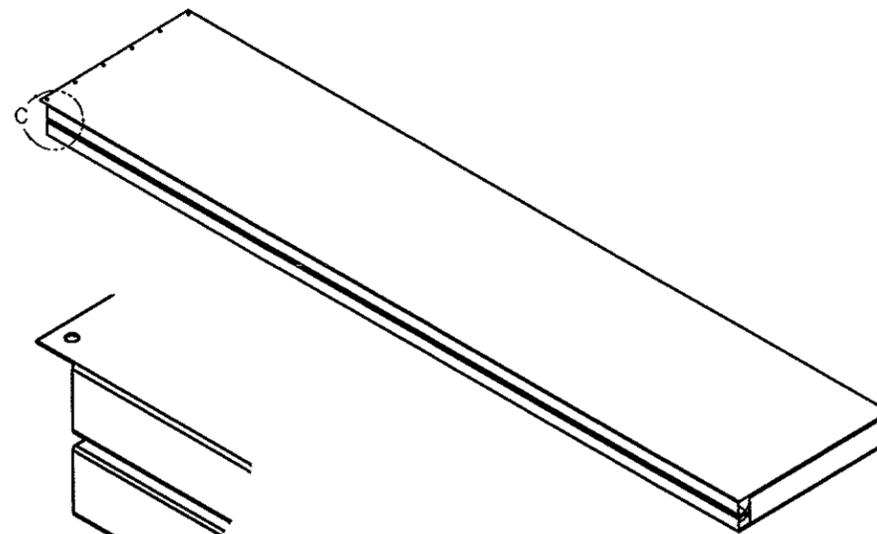
TRANE CUSTOM
Climate Changer™ Air Handler Units



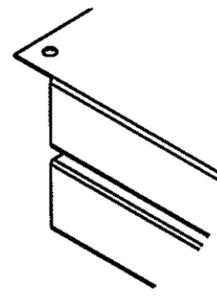
ROOF PANEL ASSEMBLY



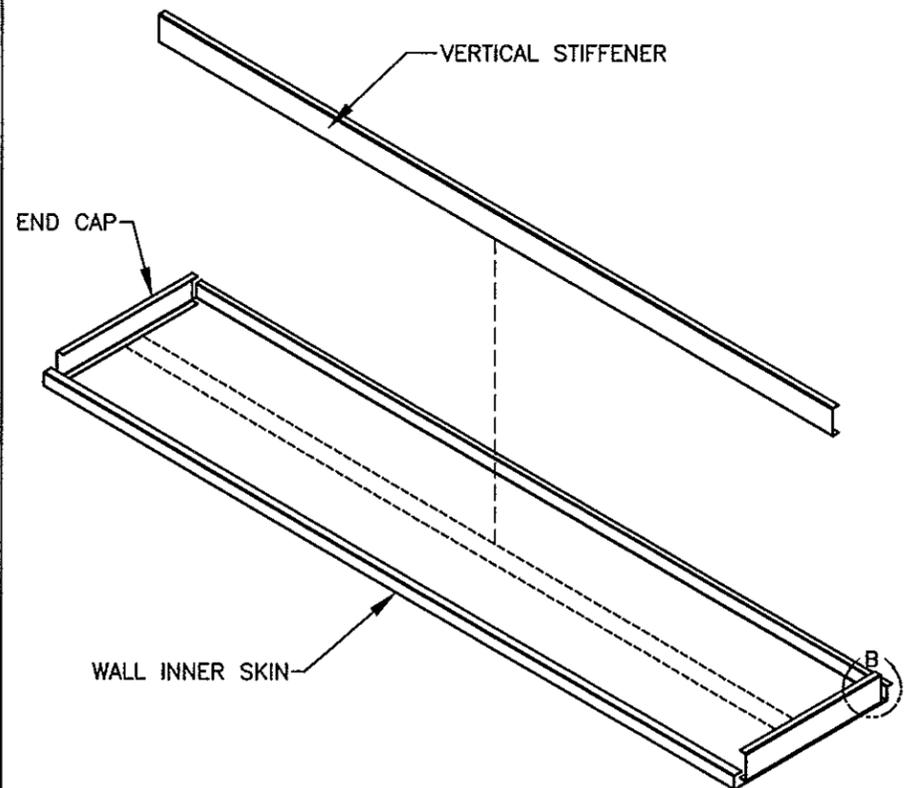
DETAIL A



WALL PANEL BOTTOM VIEW



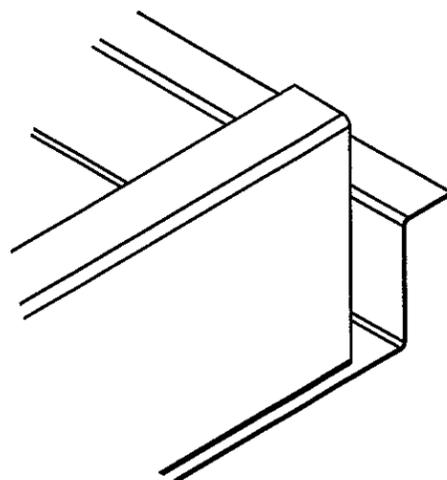
DETAIL C



VERTICAL STIFFENER

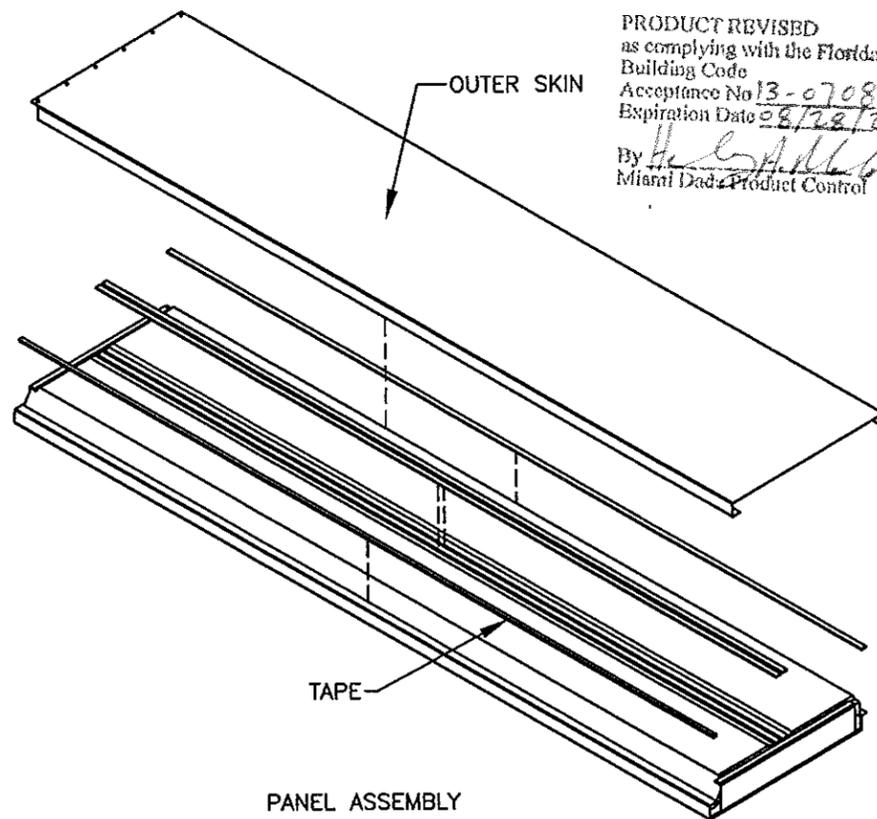
END CAP

WALL INNER SKIN



DETAIL B

- NOTE:
1. SPOTWELD VERTICAL STIFFENER(S) TO THE CENTER OF THE INNER PANEL
 2. IF MORE THAN ONE VERTICAL STIFFENER REQUIRED, SPACE THEM EVENLY



OUTER SKIN

TAPE

PANEL ASSEMBLY

PRODUCT REVISED
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 Expiration Date 08/28/2018
 By *Heidi Adkins*
 Miami Data Product Control

SHEET 9 OF 13

WALL PANEL ASSEMBLY

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

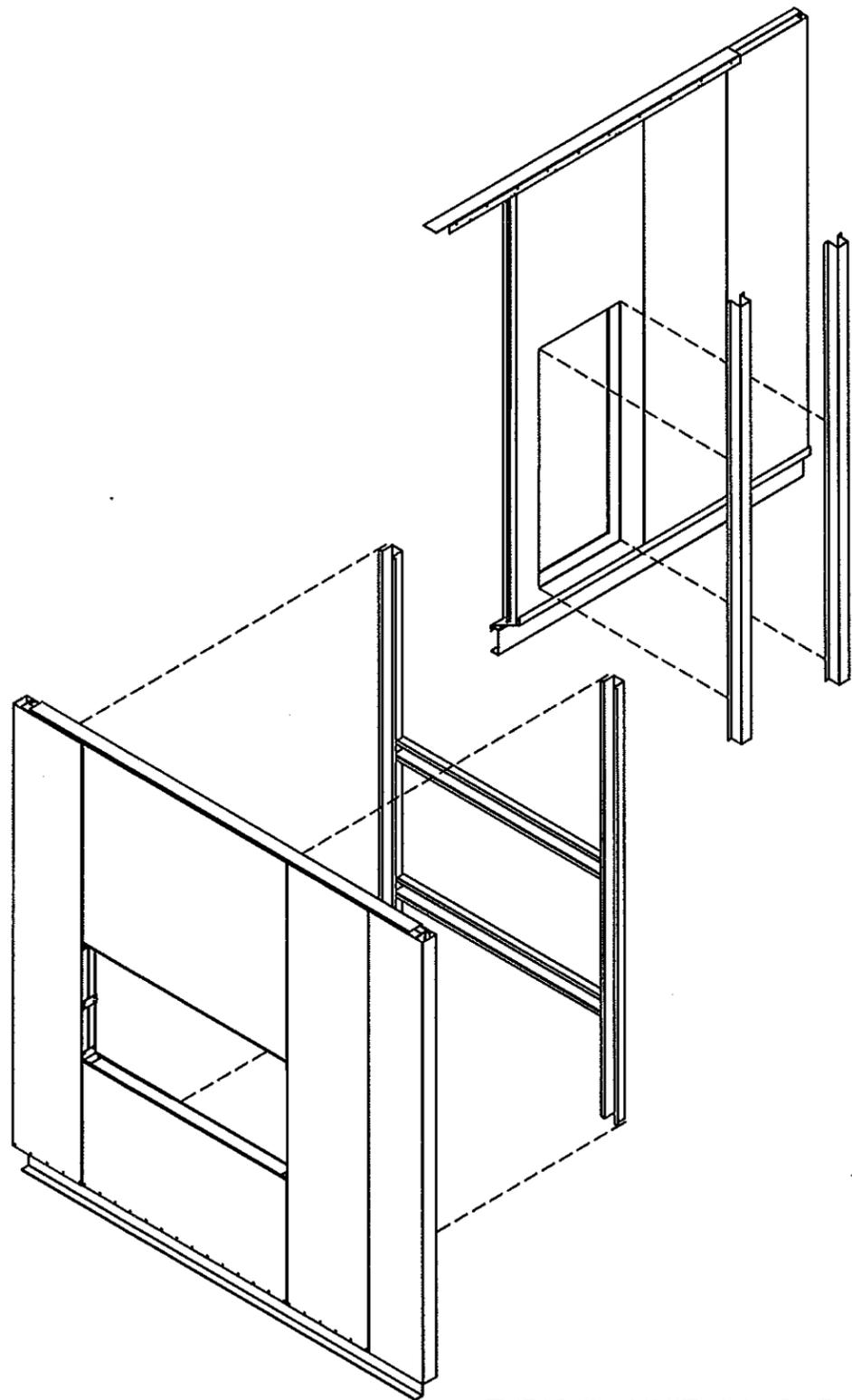
ENGINEER: SCOTT VOLTERS
 FL PE# 62354
 VOLTERS ENGINEERING, INC.
 (CDAB 27194)
 5358 SW 32ND TERRACE
 FT. LAUDERDALE, FL 33312
 SEAL: *Scott Volters*
 MAY 29 2013

PROJECT: HURRICANE CERT
 DESCRIPTION:
 SALES OFFICE:

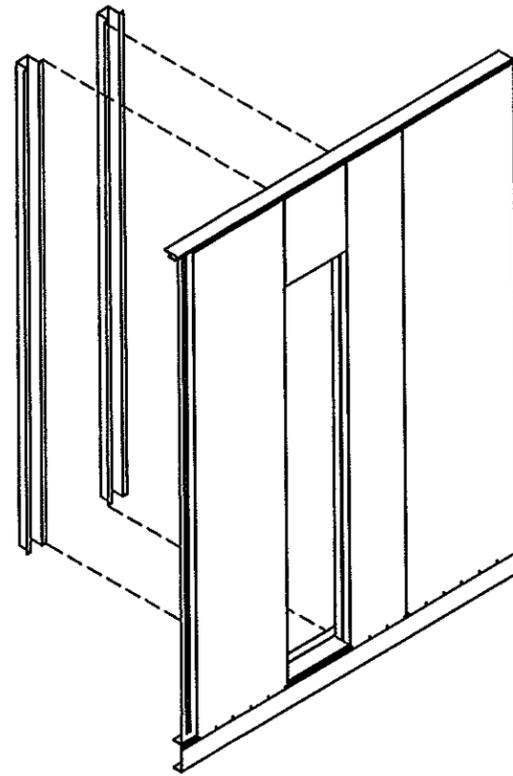
JOB NUMBER:
 PROPOSAL #:
 DWG #: S6538-0029
 UNIT TAG:
 SHIP WT:



TRANE CUSTOM
 Climate Changer™ Air Handler Units



TYPICAL UNIT LAYOUT



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 13-0708.07
 Expiration Date 08/28/2018
 By *[Signature]*
 Miami Dade Product Control

- NOTES:
1. OPENINGS WIDER THAN 24" WILL BE FRAMED AROUND
 2. ONENINGS UP TO 24" WIDE GET VERTICAL HAT CHANNELS AT BOTH ENDS OF THE OPENINGS.
 3. DOOR FRAME, REMOVEABLE PANELS, DAMPERS AND OTHER COMPONENT WILL BE FASTENED TO THE OPENINGS USING 1/4-14-1" SCREWS AT 10" MAX SPACING.

SHEET 10 OF 13

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

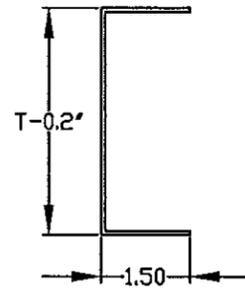
ENGINEER: SCOTT VOLTERS
 FL PE# 62354
 SEAL: *[Signature]*
 VOLTERS ENGINEERING, INC.
 (COAB 27194)
 5358 SW 32ND TERRACE
 FT. LAUDERDALE, FL 33312
 MAY 29 2013

PROJECT: HURRICANE CERT
 DESCRIPTION:
 SALES OFFICE:

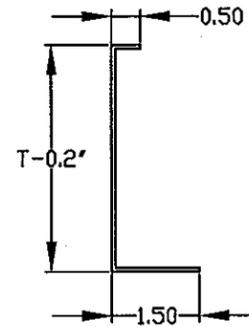
JOB NUMBER:
 PROPOSAL #:
 DWG #: S6538-0029
 UNIT TAG:
 SHIP WT:



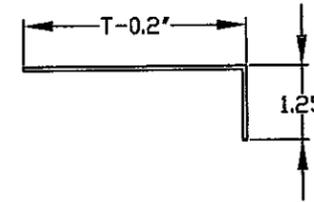
TRANE CUSTOM
 Climate Changer™ Air Handler Units



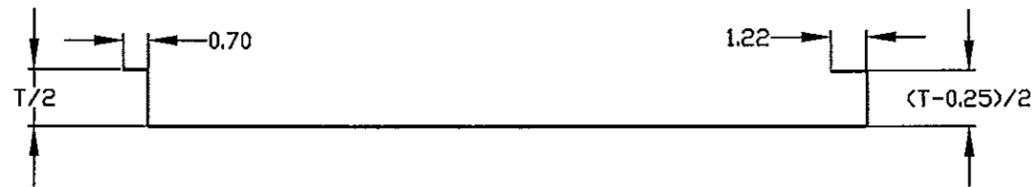
WALL PANEL END CAPS AND ALL
INTERNAL VERTICAL STIFFENERS
18 GAGE MIN
MATERIAL TYPE WILL BE THE SAME
AS THE PANEL INNER SKIN MATERIAL
TYPE.



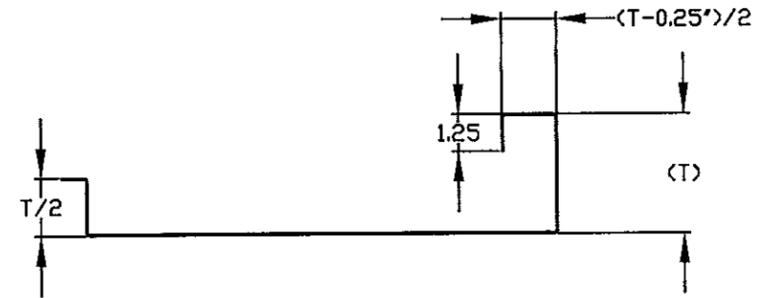
ROOF PANEL END CAP
18 GAGE MIN
MATERIAL TYPE WILL
BE THE SAME AS THE
PANEL INNER SKIN
MATERIAL TYPE.



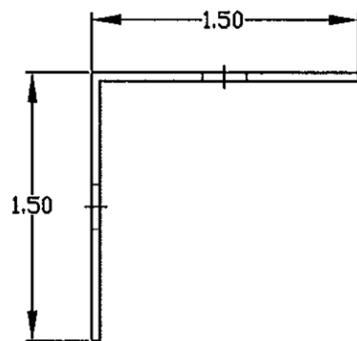
WALL / ROOF TOP "L" ANGLE
18 GAGE MIN



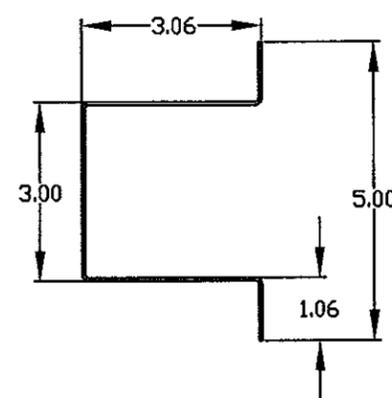
STANDARD PANLE PROFILE



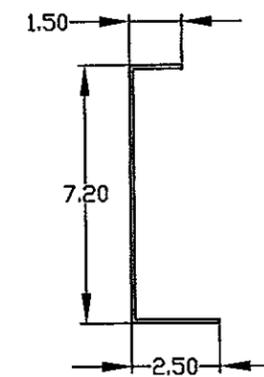
CORNER PANLE PROFILE



HAT CHANNEL "L" BRACKET
18 GAGE MIN



HAT CHANNEL
18 GAGE MIN



MULTIPLE ROOF JOINT
BACK TO BACK CHANNEL
10 GAGE MIN

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By *[Signature]*
Miami Dade Product Control

- NOTES:
1. T="PANEL THICKNESS"
2. ALL OTHER MATERIALS WILL
BE STEEL.

SHEET 11 OF 13

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER: SCOTT WOLTERS
FL PE# 62354
VOLTERS ENGINEERING, INC.
(COAB 27194)
5358 SW 32ND TERRACE
FT. LAUDERDALE, FL 33312
MAY 29 2013

PROJECT: HURRICANE CERT

DESCRIPTION:

SALES OFFICE:

JOB NUMBER:

PROPOSAL#:

DWG #: S6538-0029

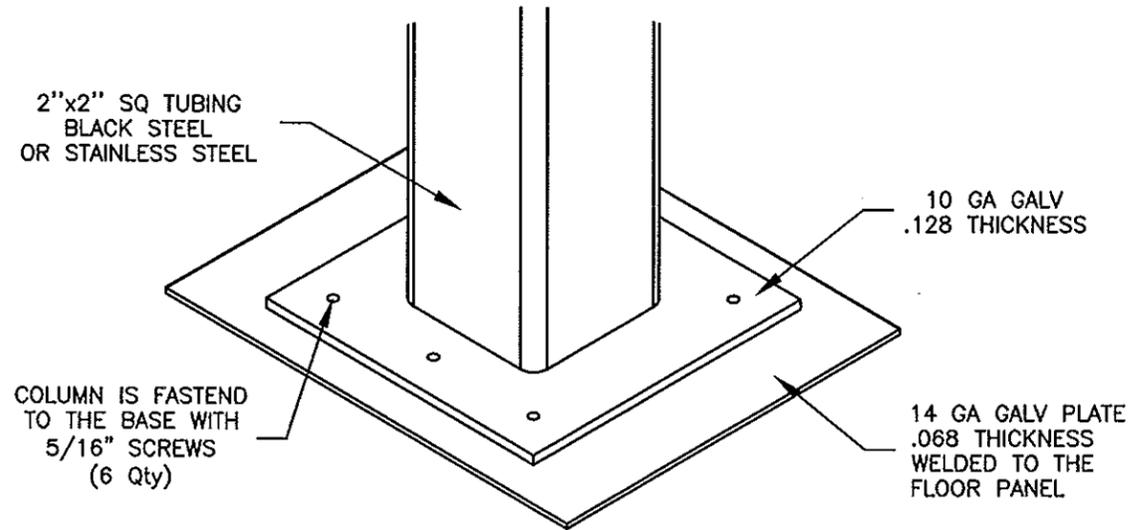
UNIT TAG:

SHIP WT:

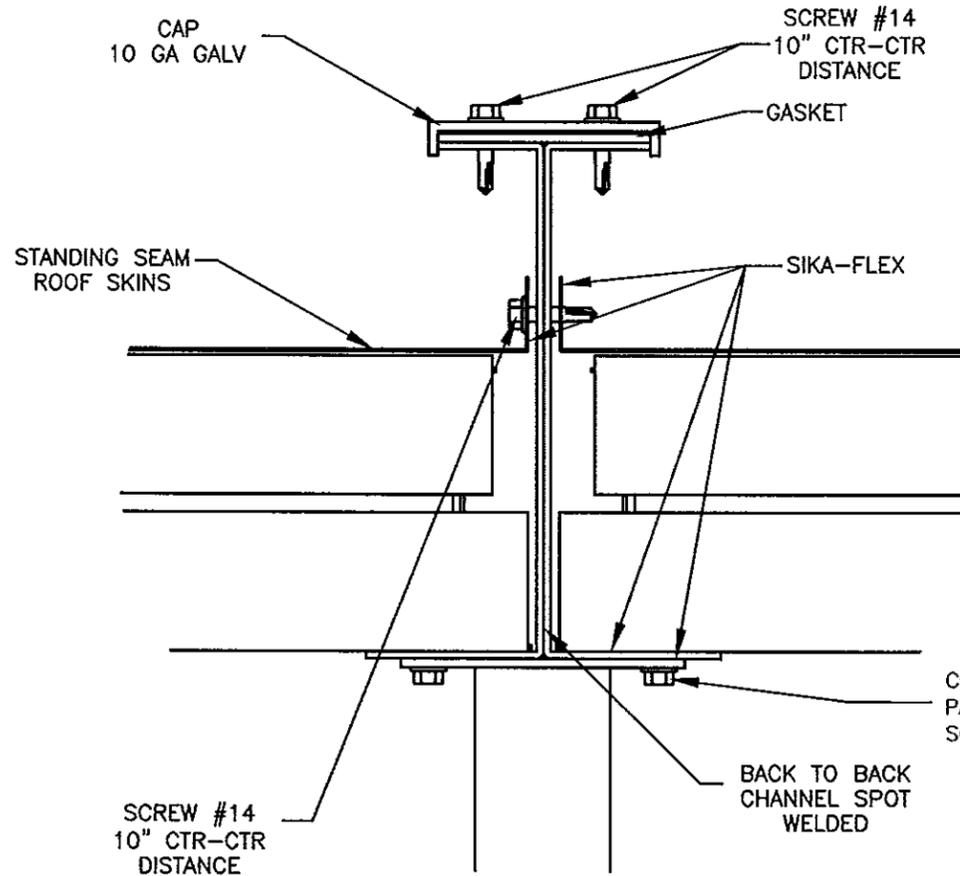


TRANE CUSTOM
Climate Changer™ Air Handler Units

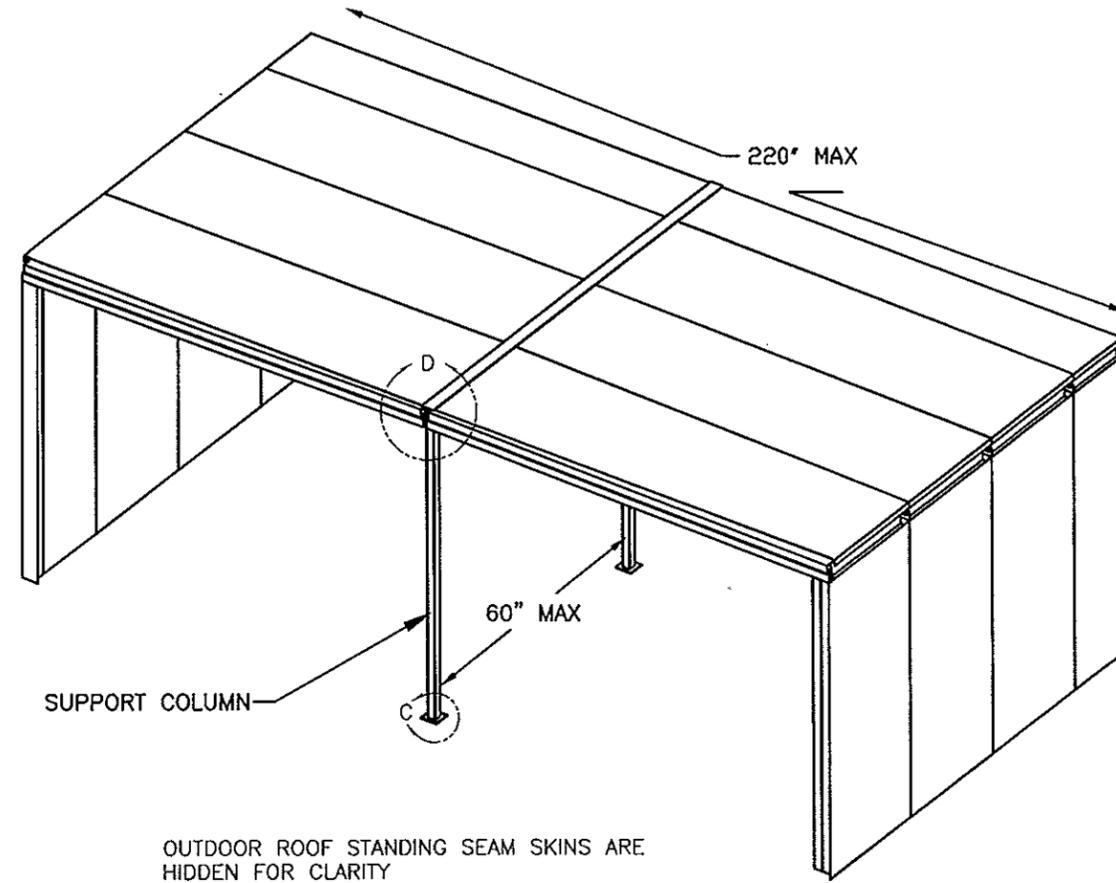
MULTIPLE ROOF PANEL LAYOUT WITH SUPPORT



DETAIL C
BASE IS HIDDEN FOR CLARITY



DETAIL D



OUTDOOR ROOF STANDING SEAM SKINS ARE HIDDEN FOR CLARITY

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By *Heidi A. Miller*
Miami Dade Product Control

NOTES:
1. SINGLE LENGTH ROOF WILL NOT REQUIRE THE SUPPORT COLUMN.

SHEET 12 OF 13

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

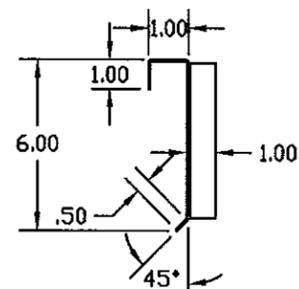
ENGINEER: SCOTT WOLTERS
FL PE# 62354
VOLTERS ENGINEERING, INC.
(CCAB 27194)
5350 SW 32ND TERRACE
FT. LAUDERDALE, FL 33312
MAY 29 2013

PROJECT: HURRICANE CERT
DESCRIPTION:
SALES OFFICE:

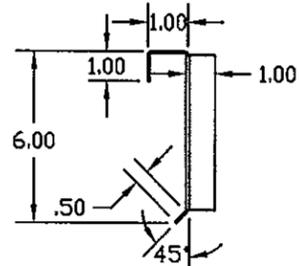
JOB NUMBER:
PROPOSAL #:
DWG #: S6538-0029
UNIT TAG:
SHIP WT:



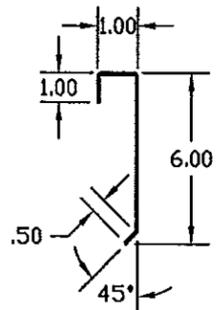
TRANE CUSTOM
Climate Changer™ Air Handler Units



TAB LEFT

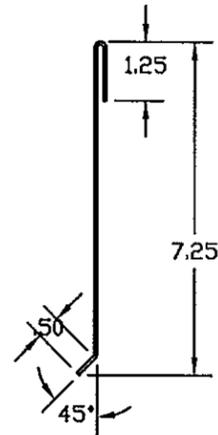


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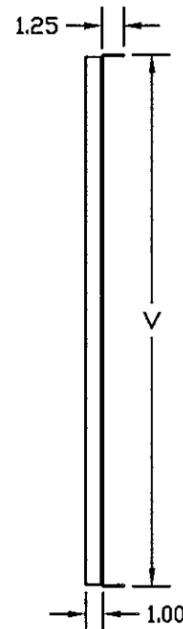


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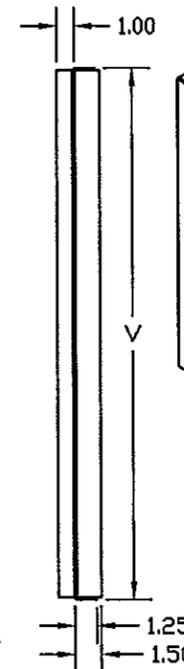
ROOF END PERIMETER TRIM
18 GAGE MIN



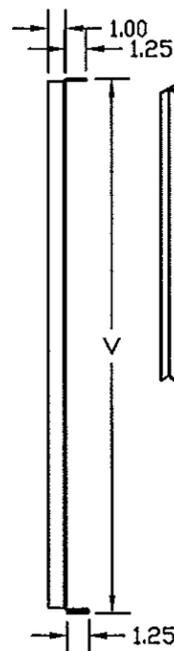
ROOF SIDE PERIMETER TRIM
18 GAGE MIN



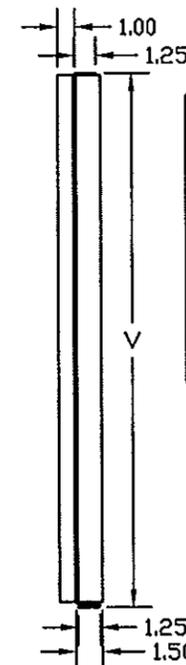
SINGLE ROOF SKIN STARTER PANEL
18 GAGE MIN



MULTIPLE ROOF SKIN STARTER PANEL
18 GAGE MIN



SINGLE ROOF SKIN STANDARD PANEL
18 GAGE MIN



MULTIPLE ROOF SKIN STANDARD PANEL
18 GAGE MIN

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Miami Dade Product Control

NOTE:
ALL PARTS ARE MADE OF GALVANIZED
STEEL

SHEET 13 OF 13

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

ENGINEER: SCOTT VOLTERS
FL PE# 62954
SEAL: *[Signature]*
VOLTERS ENGINEERING, INC.
(CD# 27194)
5358 SW 32ND TERRACE
FT. LAUDERDALE, FL 33312
MAY 29 2013

PROJECT: HURRICANE CERT

DESCRIPTION:

SALES OFFICE:

JOB NUMBER:

PROPOSAL#:

DWG #S6538-0029

UNIT TAG:

SHIP WT:



TRANE CUSTOM
Climate Changer™ Air Handler Units