



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)

The Trane Company
1515 Mercer Road
Lexington, KY 40511

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: T-Series Climate Changer Air Handler Impact Wall Panel

APPROVAL DOCUMENT: Drawing No. 1068, titled " T-Series Climate Changer Air Handler Impact Wall Panel ", sheets 1 & 2 of 2, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated June 5, 2003, signed and sealed by Warren W. Schaefer, P.E., 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 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 **renews NOA #01-1210.04** and 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
 05/15/2008

NOA No. 08-0213.06
Expiration Date: 08/21/2013
Approval Date: 05/15/2008
Page 1

The Trane Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #01-1210.04

A. DRAWINGS:

1. *Drawing No. 1068, titled "T-Series Climate Changer Air Handler Impact Wall Panel", sheets 1 & 2 of 2, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated July 21, 2003, signed and sealed by Warren W. Schaefer, P.E.*

B. TESTS:

1. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test of Trane T-Series Climate Changer Air Handler Wall Panel, prepared by Hurricane Test Laboratory, Inc., Report No. 0254-0112-01 and 0254-0803-01, dated November 12, 2001, signed and sealed by Vinu J. Abraham, P.E.*

C. CALCULATIONS:

1. *Panel and fasteners analysis prepared by W. W. Schaefer Engineering & Consulting, P.A., dated August 30, 2003, signed and sealed by Warren W. Schaefer, P.E.*

D. MATERIAL CERTIFICATIONS

1. *Tensile Test Report No. 11M-1295, prepared by QC Metallurgical, Inc., dated October 30, 2001.*
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. *None.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*



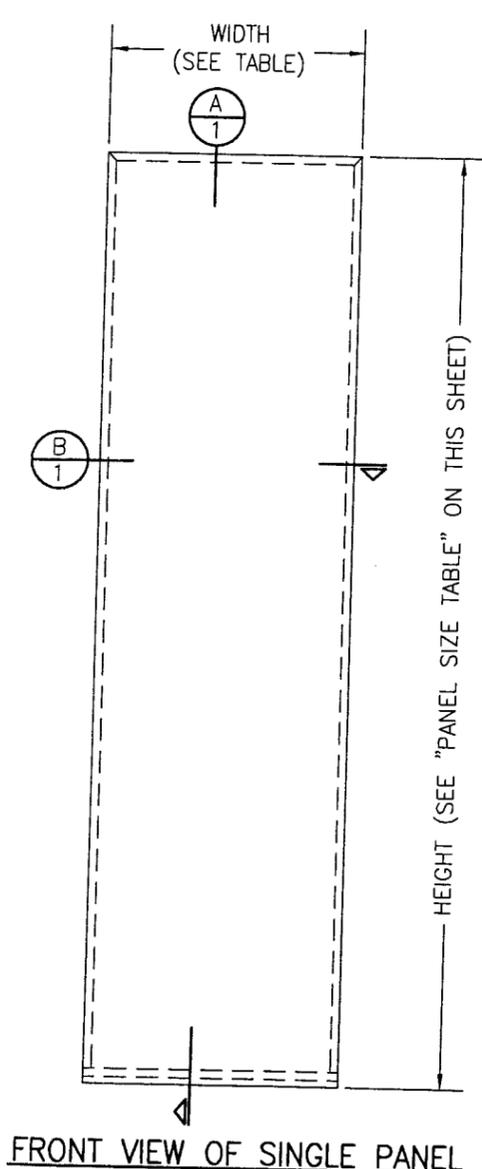
Helmy A. Makar, P.E., M.S.

Product Control Examiner

NOA No. 08-0213.06

Expiration Date: 08/21/2013

Approval Date: 05/15/2008

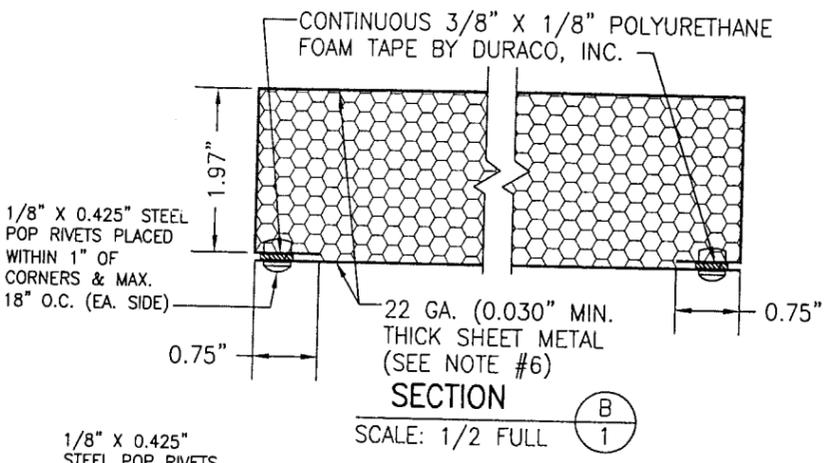


FRONT VIEW OF SINGLE PANEL

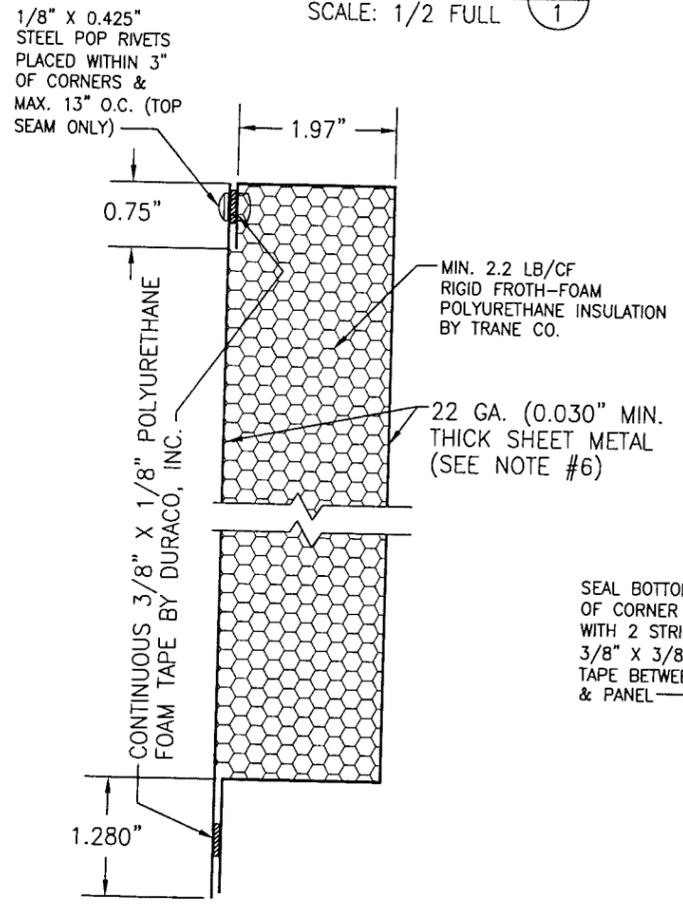
PANEL SIZE TABLE	
MAX. WIDTH (IN.)	MAX. HEIGHT (IN.)
59.0	34.00
49.5	48.50
40.0	54.75
36.0	62.00
31.0	74.00
24.0	99.00
19.0	111.50

GENERAL NOTES

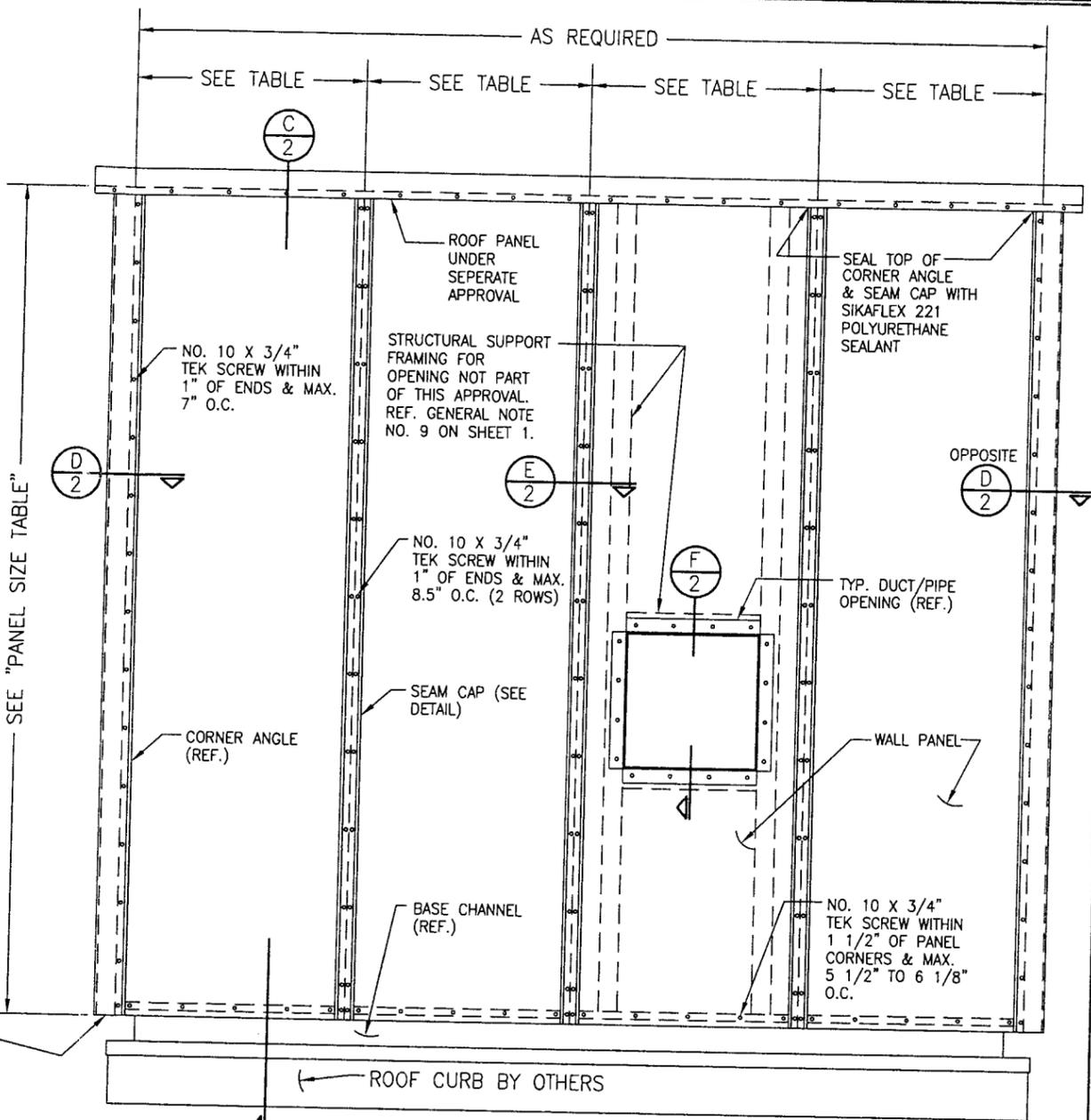
1. THIS AIR HANDLER WALL PANEL SYSTEM HAS BEEN TESTED AND ANALYZED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN LOADS" TABLE FOR THE SIZES SHOWN IN THE PANEL SIZE TABLE.
2. THE ROOF CURB AND SUPPORT OF THE ROOF CURB TO THE STRUCTURE SHALL BE BY OTHERS AND AS REQUIRED TO PROPERLY SUPPORT ALL WIND AND UNIT LOADS TRANSFERRED TO THE STRUCTURE (MIN. ALLOWABLE ROOF CURB MATERIAL = 14 GA. 33 KSI STEEL).
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH FLORIDA STATE CODE PROTOCOLS TAS 201, 202 & 203 FOR LARGE MISSILE IMPACT PANELS.
5. NUMBER OF PANELS STACKED HORIZONTALLY SHALL BE AS REQUIRED BY THE AIR HANDLING UNIT SIZE WITH PANEL HEIGHT AND WIDTH LIMITED AS SHOWN IN THE "PANEL SIZE TABLE".



SECTION B-1
SCALE: 1/2 FULL



SECTION A-1
SCALE: 1/2 FULL



AIR HANDLER WALL ELEVATION

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 08-0213.06
Expiration Date 08/21/2013
By *Helmut A. Walker*
Miami Dade Product Control Division

ALLOWABLE DESIGN LOAD	
POSITIVE	NEGATIVE
65 PSF	65 PSF

Approved as complying with the Florida Building Code
Date 08/21/2003
NOA# 01-1210-04
Miami Dade Product Control Division
By *Helmut A. Walker*

DRAWN BY: W.W.S.
CHECKED BY: W.W.S.
PLOT: 1=1
DATE: 06/05/03

NO.	REVISION DESCRIPTION	DATE

DRAWING TITLE: T-SERIES CLIMATE CHANGER AIR HANDLER IMPACT WALL PANEL
MANUFACTURER: THE TRANE COMPANY
1515 MERCER ROAD
LEXINGTON, KY 40511
859-259-2500

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
600 SANDTREE DRIVE, SUITE 203B
PALM BEACH GARDENS, FL 33403
PHONE: 561-775-4902 FAX: 561-775-4903

CERTIFICATION: JUL 21 2003
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO. 1068
SHEET NO. 1 OF 2

1/4-20 X 3/4" TEK SCREW
WITHIN 4" OF CORNERS
& MAX. 6" O.C.

ROOF PANEL UNDER
SEPERATE APPROVAL

1" X 1/8" SIKALASTOMER
95 ISOBUTYLENE TRIPOLYMER
TAPE (CONTINUOUS)

STRUCTURAL SUPPORT
FRAMING NOT PART OF
THIS APPROVAL. REF.
GENERAL NOTE NO. 9
ON SHEET 1.

RACE WAY NOT PART OF THIS
APPROVAL (MIN. 0.055" THICK 50
KSI COATED STEEL WHEN PANEL
SPAN IS 56" OR LESS & 0.067"
THICK WHEN PANEL SPAN IS
GREATER THAN 56"). REF. GENERAL
NOTE NO. 9 ON SHEET 1.

STRUCTURAL SUPPORT
FRAMING NOT PART OF
THIS APPROVAL. REF.
GENERAL NOTE NO. 9
ON SHEET 1.

#10-16 X 3/4"
TEK SCREW 1 1/2"
FROM PANEL
CORNERS & MAX.
5 1/2" TO 6 1/8"
O.C.

WALL PANEL
(REF.)

3/8" X 1/8"
FOAM TAPE
(REF. PANEL
SECTION A)

1" X 1/8" SIKALASTOMER
95 ISOBUTYLENE TRIPOLYMER
TAPE (CONTINUOUS)

BASE SUPPORT CHANNEL NOT
PART OF THIS APPROVAL (MIN.
0.122" THICK 50 KSI COATED
STEEL). REF. GENERAL NOTE
NO. 9 ON SHEET 1.

SECTION C
SCALE: 1/2 FULL

CORNER
CHANNEL
(REF.)

1 1/4" X 3/16"
SIKALASTOMER 95
ISOBUTYLENE TRIPOLYMER
TAPE (CONTINUOUS EA. SIDE)

SECTION D
SCALE: 1/2 FULL

1 1/4" X 3/16"
SIKALASTOMER 95
ISOBUTYLENE
TRIPOLYMER TAPE
(CONT. ALL SIDES)

#10-16 X 3"
TEK SCREW 1 1/2"
FROM OPENING
CORNERS & MAX.
5 1/2" TO 6 1/8"
AT ALL SIDES

OPENING
EDGE CHANNEL
(REF.)

CLIP FLANGES
OF CHANNEL
& BEND AT
CORNERS

SECTION F
SCALE: 1/2 FULL

NOTE: ALL DUCTS/PIPES PENETRATING THE
PANELS MUST BE FLANGED AND SEALED
AGAINST WATER INFILTRATION.

NO. 10-16 X 3" TEK SCREW 1"
FROM ENDS & MAX. 7" O.C.

STRUCTURAL SUPPORT
FRAMING
NOT PART OF THIS APPROVAL.
REF. GENERAL NOTE NO. 9 ON
SHEET 1.

NO. 10-16 X 3/4" TEK SCREW 1"
FROM ENDS & MAX. 7" O.C.

1 1/4" X 3/16" SIKALASTOMER
95 ISOBUTYLENE TRIPOLYMER
TAPE (COMPRESSED TO FILL
GAP)

0.06" (TYP.)

WALL PANEL
(REF.)

3/8" X 1/8"
FOAM TAPE (REF.)
PANEL SECTION B)

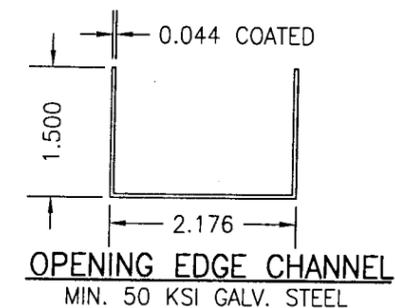
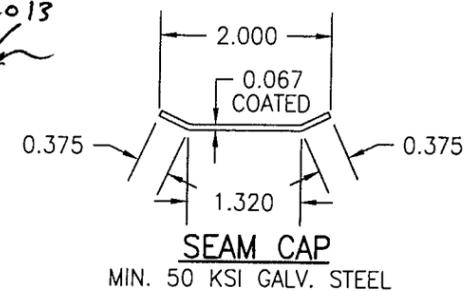
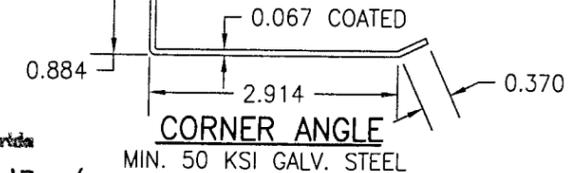
NO. 10-16 X 3/4" TEK
SCREWS 1" FROM ENDS
& MAX. 8" O.C.

SEAM CAP (REF.)

SECTION E
SCALE: 1/2 FULL

Approved as complying with the
Florida Building Code
Date 08/21/2003
NOA# 01-1210-04
Miami Dade Product Control
Division
By Helmut A. Weber

PRODUCT RENEWED
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CERTIFICATION
JUL 21 2003
WARREN W. SCHAEFER, P.E.
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DRAWING NO. 1068
SHEET NO. 2 OF 2