



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

NOTICE OF ACCEPTANCE (NOA)

www.buildingcodeonline.com

Alcan Composites USA, Inc.
P. O. Box 507
208 W. 5th Street
Benton, KY 42025

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 Florida Building Code including the High Velocity Hurricane Zone.

DESCRIPTION: "Alucobond Composite Wall Panel"

APPROVAL DOCUMENT: Drawing No. ALU-1, titled "Dade County – Alucobond over Steel and over Plywood", sheet 1 and 2 of 2, prepared by Alcan Composites USA, Inc., dated 10/25/00 & 01/05/06, with last revision on 12/04/06, signed and sealed by A. N. Reeves PE, bearing the Miami-Dade County Product Control Revision 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 or MDCPCA", 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 # 05-0620.04** and consists of this page, evidence page(s) as well as approval document mentioned above.

The submitted documentation was reviewed by **Candido F. Kont, P.E.**


01/11/07

NOA No. 06-1019.02
Expiration Date: July 31, 2010
Approval Date: January 11, 2007
Page 1



Alcan Composite USA, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A DRAWINGS

- 1 Drawings prepared by Alcan Composites, Inc., titled "Dade County – Alucobond over steel & over plywood", No.ALU-1, dated 10/25/00 & 01/05/06 with last revision on 12/04/06, sheet 1 & 2 of 2 signed and sealed by, PE.

B TEST

1. Test report on Cyclic Wind Pressure Loading test per PA 203 and Uniform Static Air Pressure Loading test per PA 202 and Air Infiltration test per PA 202 on "Alucobond 4mm Aluminum Composite Wall Panel System", prepared by Architectural Testing Inc., report No. ATI-58412.01-122-18, dated 08/17/05, signed and sealed by S. M. Urich, PE.
2. Self Ignition Temperature test report per ASTM D-1929 on "Alucobond ", prepared by Southwest Research Institute; Project No. 01-10934.01.657, dated 10/14/05, signed by R. L. Vinson III PE.
3. Surface Burning Characteristic test report per ASTM E-84 on "Alucobond " prepared by Southwest Research Institute, Project No. 01-10932.01.256(1), dated 10/11/05, and signed by R. L. Vinson III PE.
4. Time of Burning test report per ASTM D-635 on "Alucobond " prepared by Southwest Research Institute, Project No. 01-10932.01.257, dated 10/11/05, and signed by R. L. Vinson III PE..

C CALCULATIONS

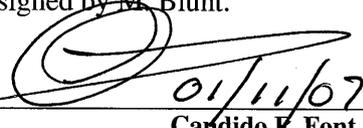
- 1 Fastener Loading Affidavit, prepared by Richard Boyette, PE., on 08/01/96, signed and sealed by R. Boyette, PE.

D QUALITY ASSURANCE

1. Building Code Compliance Office

E STATEMENTS

- 1 No change letter issued by Alusuisse Composites, Inc., on 06/30/2000, signed by Dan Glover.
- 2 Code compliance letter prepared by H. R. Engineering Inc, on 07/12/06, signed and sealed by A. N. Reeves, PE.
- 3 No financial interest letter prepared by H. R. Engineering, Inc., on 07/12/06, signed by A. N. Reeves PE.
- 4 Corporate Division Certificate of Amendment dated 06/18/01 and signed by M. Blunt.



Candido F. Font, P. E.
Product Control Examiner
NOA No. 06-1019.02
Expiration Date: July 31, 2010
Approval Date: January 11, 2007

DESCRIPTION:

THIS IS 4mm THICK ALUCOBOND, A NON-FIRE RATED COMPOSITE PANEL CONSISTING OF TWO 0.020" ALUMINUM FACE SHEETS WITH A LOW DENSITY POLYETHYLENE CORE. THE PANEL EDGES ARE FOLDED OVER AND THE FOLDED CORNERS ARE REINFORCED WITH 0.035" THICK ALUMINUM CORNER ANGLES WHICH ARE ATTACHED WITH #10x3/4" SHEET METAL SCREWS.

MATERIAL CHARACTERISTICS

1. ALUCOBOND WITH POLYETHYLENE CORE

DESCRIPTION	TEST	PROPERTIES
SELF IGNITION TEMP.	ASTM D1929	716°F
FLASH IGNITION TEMP.	ASTM D1929	716°F
RATE OF BURNING	ASTM D635	CC1
FLAME SPREAD INDEX	ASTM E84	5
SMOKE DEVELOPMENT	ASTM E84	0

2. ALUMINUM SKINS

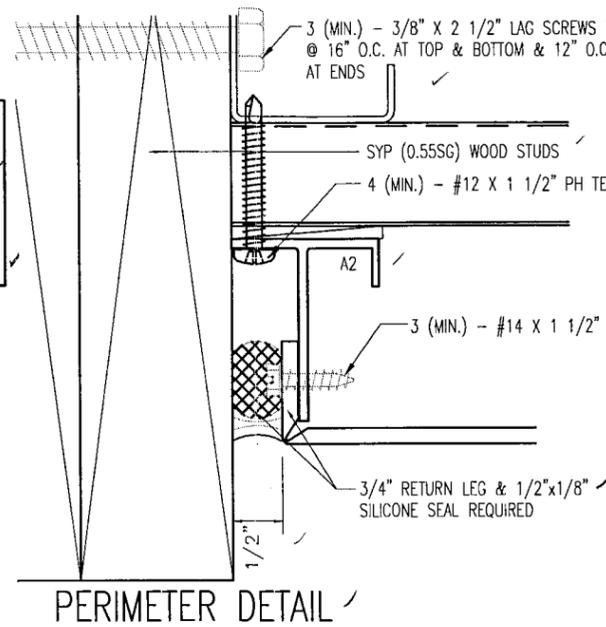
THICKNESS	0.02 INCHES
ALLOY	3003-H24
FINISH	PVDF PAINT

3. PANEL SIZES

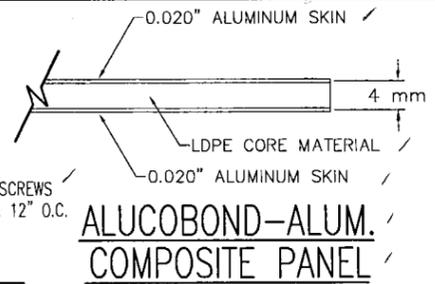
WIDTH	39", 48", 50", 60" & 62"
LENGTH	8', 10', 12', & 16'
THICKNESS	0.16 INCHES (4.00mm)

4. STEEL STUDS GREATER THAN 4'-0" IN HEIGHT MUST BE DESIGNED BY A FLORIDA P.E. FOR A MINIMUM OF ±90 PSF WIND PRESSURE.

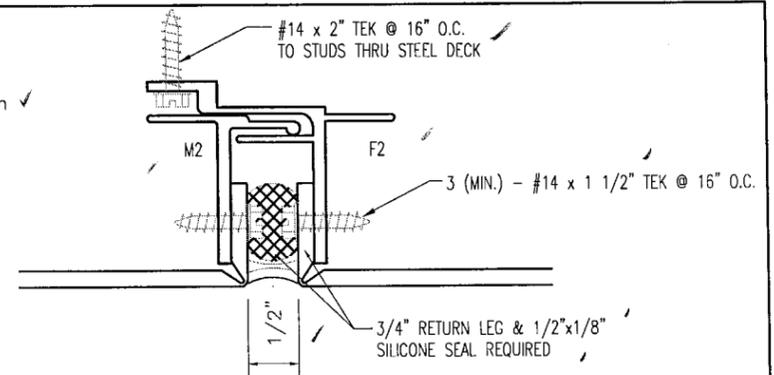
DESIGN PRESSURE RATING
 +90 PSF -90 PSF
 LARGE MISSILE IMPACT RESISTANCE
 INSTALLED IN FRONT OF 1" RIB CORRUGATED 22 GAUGE STEEL DECKING SUPPORTED 16" O.C.



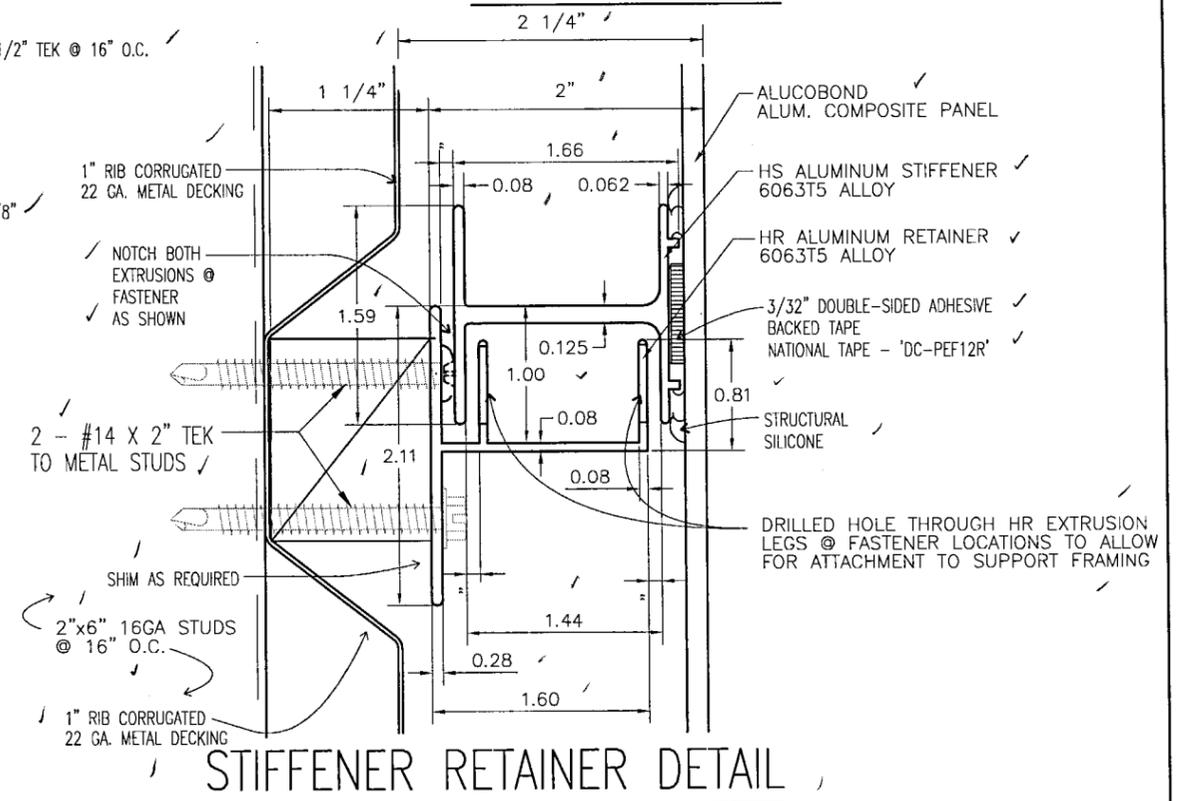
PERIMETER DETAIL



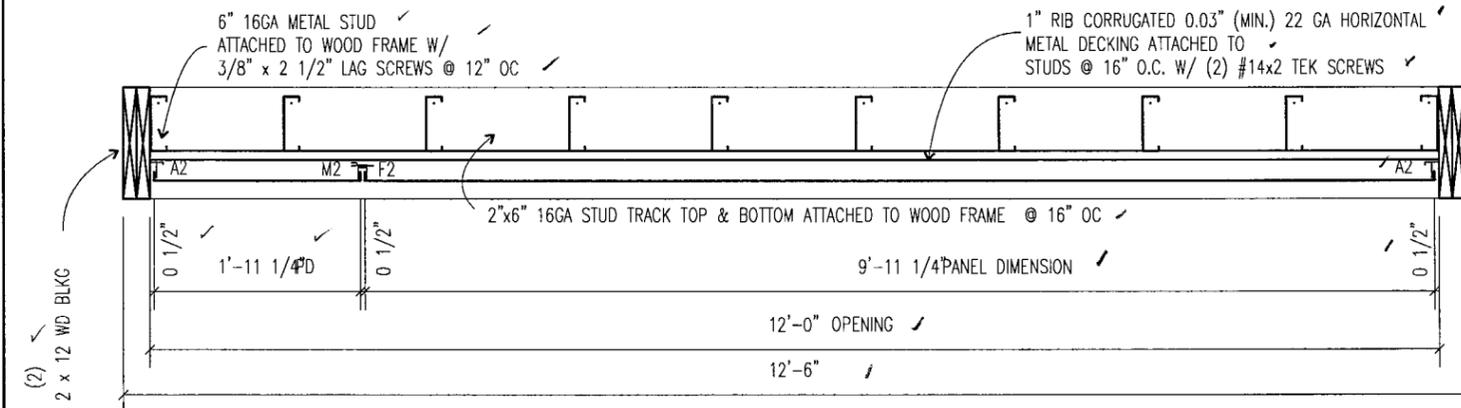
ALUCOBOND-ALUM. COMPOSITE PANEL



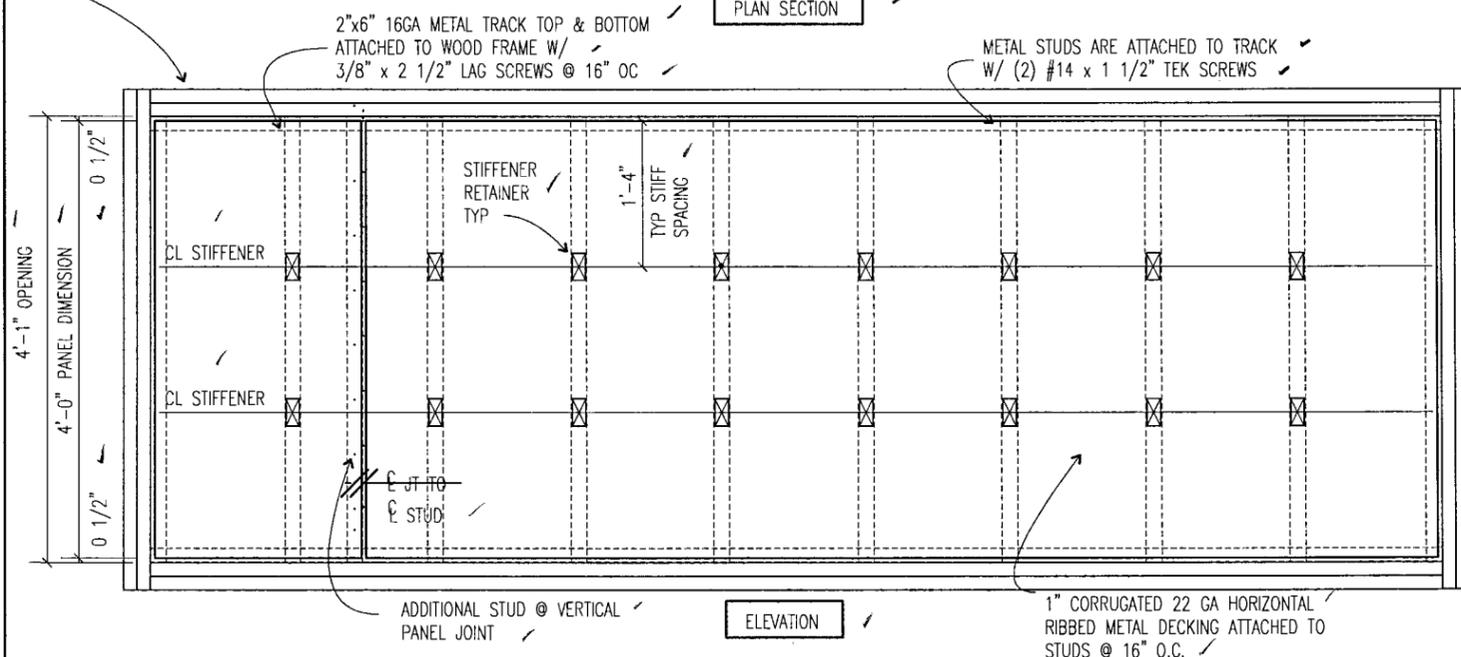
VERTICAL JT DETAIL



STIFFENER RETAINER DETAIL



PLAN SECTION



ELEVATION

PRODUCT PROVIDED
 as per drawing by Florida
 Registered Professional Engineer
 06-1019.02
 07/31/06
 Allen N. Reeves
 P.E.



ALCAN COMPOSITES USA, INC.

208 WEST 5TH STREET
 BENTON, KY. 42025
 270-527-4200

TITLE :	DADE CO. - ALUCOBOND OVER STEEL		
DWG NO. :	SHT NO. :	DWG DATE :	REV. DATE :
ALU-1	1	01-05-06	12-04-06
ALLEN N. REEVES, P.E. FLORIDA #19354			

Allen N. Reeves
 7 DECEMBER 2006

DESCRIPTION:

THIS IS 4mm THICK ALUCOBOND, A NON-FIRE RATED COMPOSITE PANEL CONSISTING OF TWO 0.020" ALUMINUM FACE SHEETS WITH A LOW DENSITY POLYETHYLENE CORE. THE PANEL EDGES ARE FOLDED OVER AND THE FOLDED CORNERS ARE REINFORCED WITH 0.035" THICK ALUMINUM CORNER ANGLES WHICH ARE ATTACHED WITH #10x3/4" SHEET METAL SCREWS.

MATERIAL CHARACTERISTICS

1. ALUCOBOND WITH POLYETHYLENE CORE

DESCRIPTION	TEST	PROPERTIES
SELF IGNITION TEMP.	ASTM D1929	747°F
FLASH IGNITION TEMP.	ASTM D1929	678°F
RATE OF BURNING	ASTM D635	C1
FLAME SPREAD INDEX	ASTM E84	0
SMOKE DEVELOPMENT	ASTM E84	5

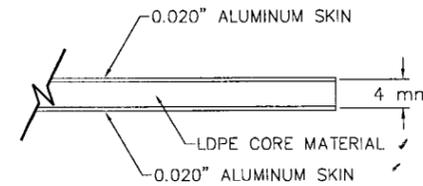
DESIGN PRESSURE RATING
 +61.8 PSF - 81.3 PSF
 LARGE MISSILE IMPACT RESISTANCE
 INSTALLED IN FRONT OF
 5/8" PLYWOOD SUPPORTED 16" O.C.

2. ALUMINUM SKINS

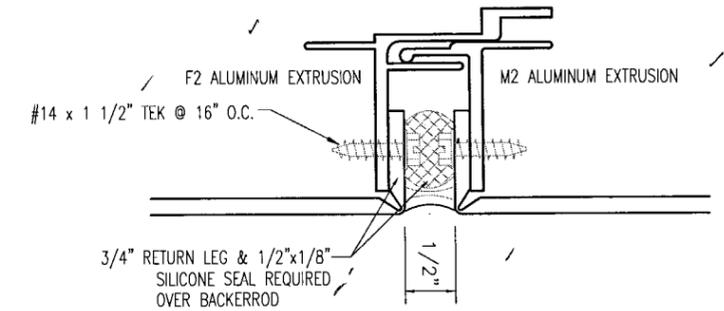
THICKNESS	0.02 INCHES
ALLOY	3003-H24
FINISH	PVDF PAINT

3. PANEL SIZES

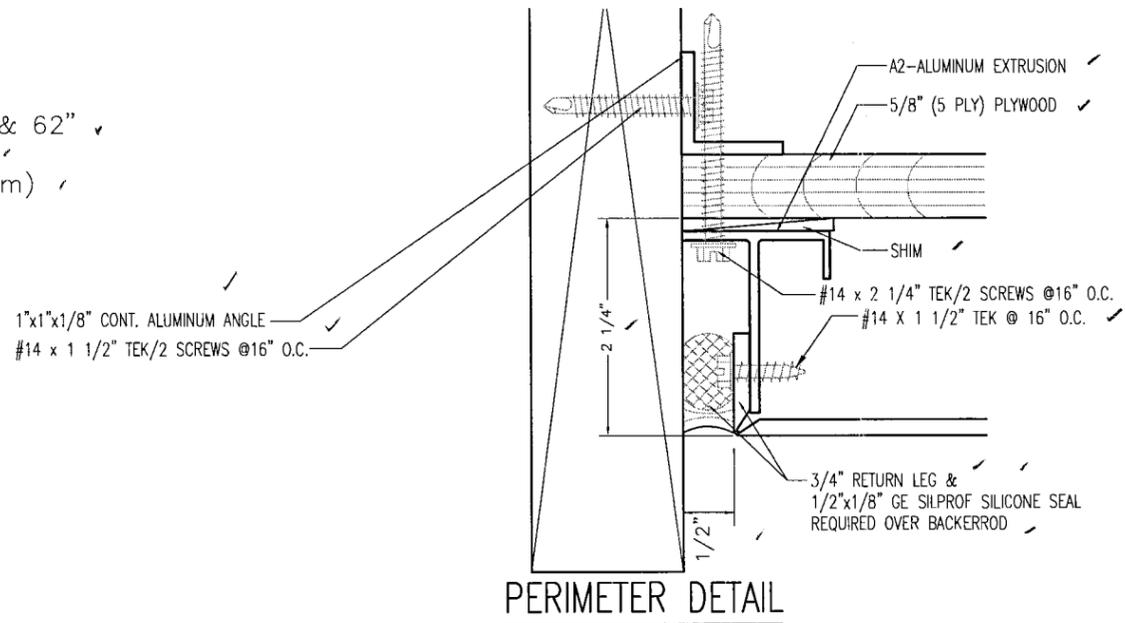
WIDTH	39", 48", 50", 60" & 62"
LENGTH	8', 10', 12', & 16'
THICKNESS	0.16 INCHES (4.00mm)



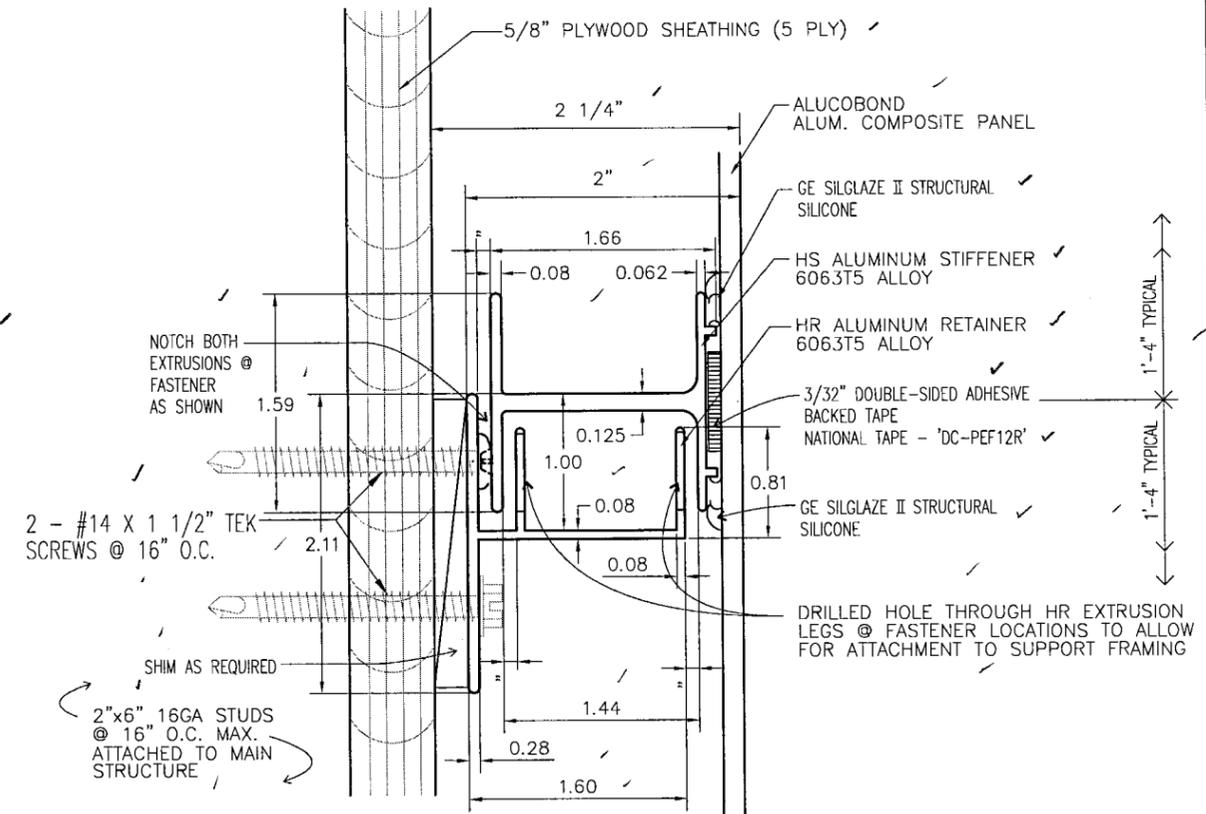
**ALUCOBOND-ALUM.
COMPOSITE PANEL**



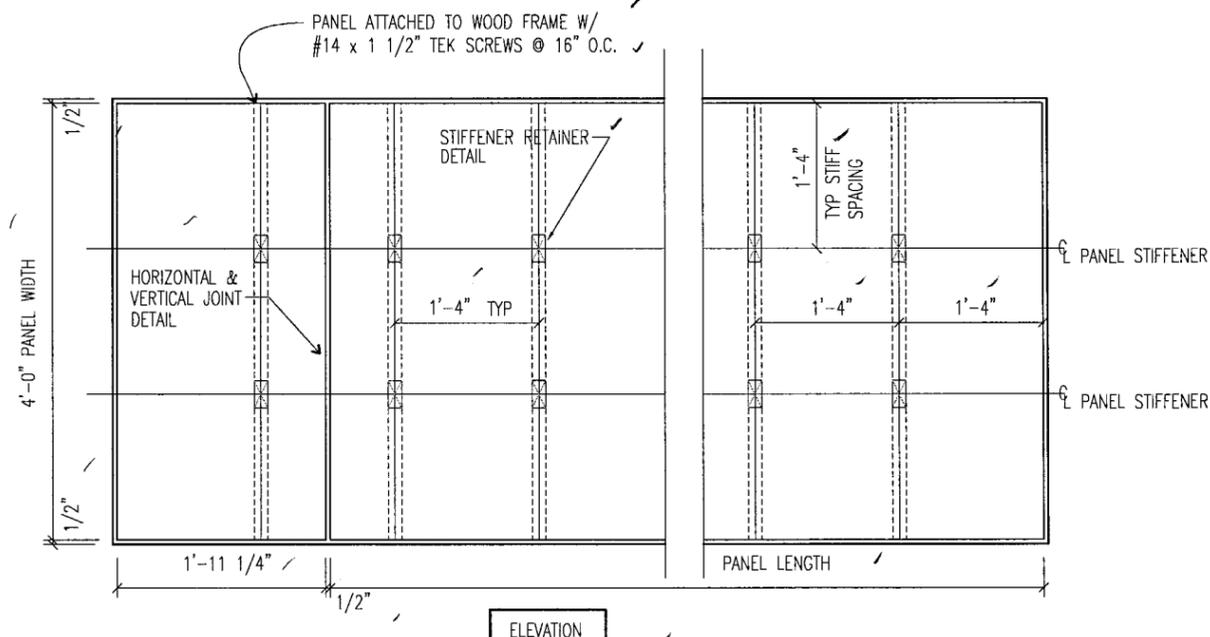
HORIZONTAL & VERTICAL JT DETAIL



PERIMETER DETAIL



STIFFENER RETAINER DETAIL



ELEVATION

REVISIONS
 06-10-19-02
 07/31/10

 ALCAN 208 WEST 5TH STREET BENTON, KY. 42025 270-527-4200	ALCAN COMPOSITES USA, INC.			
	TITLE : DADE CO. - ALUCOBOND OVER PLYWOOD			
	DWG NO. :	SHT NO. :	DWG DATE :	REV. DATE :
	ALU-1	2	10-25-00	12-04-06
ALLEN N. REEVES, P.E. FLORIDA #19354				

Allen N. Reeves
 7 DECEMBER 2006