



**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)

**CENTRIA
1005 Beaver Grade Road
Moon Township, PA 15108**

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: "Formawall Dimension Series" Steel Skins with Urethane Foam Core Wall Panel

APPROVAL DOCUMENT: Drawing No. 1, titled "Formawall Dimension Series Cross Sections and Details", sheets 1 through 5 of 5, prepared by Chunbo Shim, P.E., dated August 26, 2002, sheet 1 of 5; February 06, 2002, sheet 2 of 5; September 25, 2002, sheet 3 of 5; December 13, 2001, sheets 4 & 5 of 5, 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", 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.

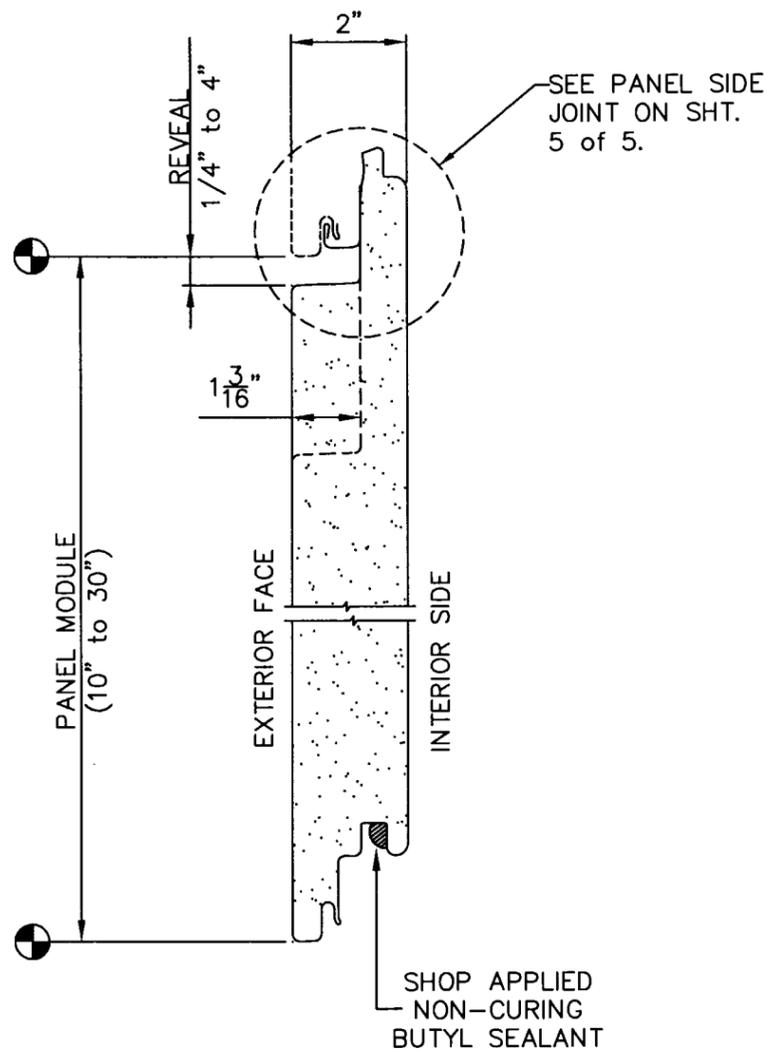
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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.

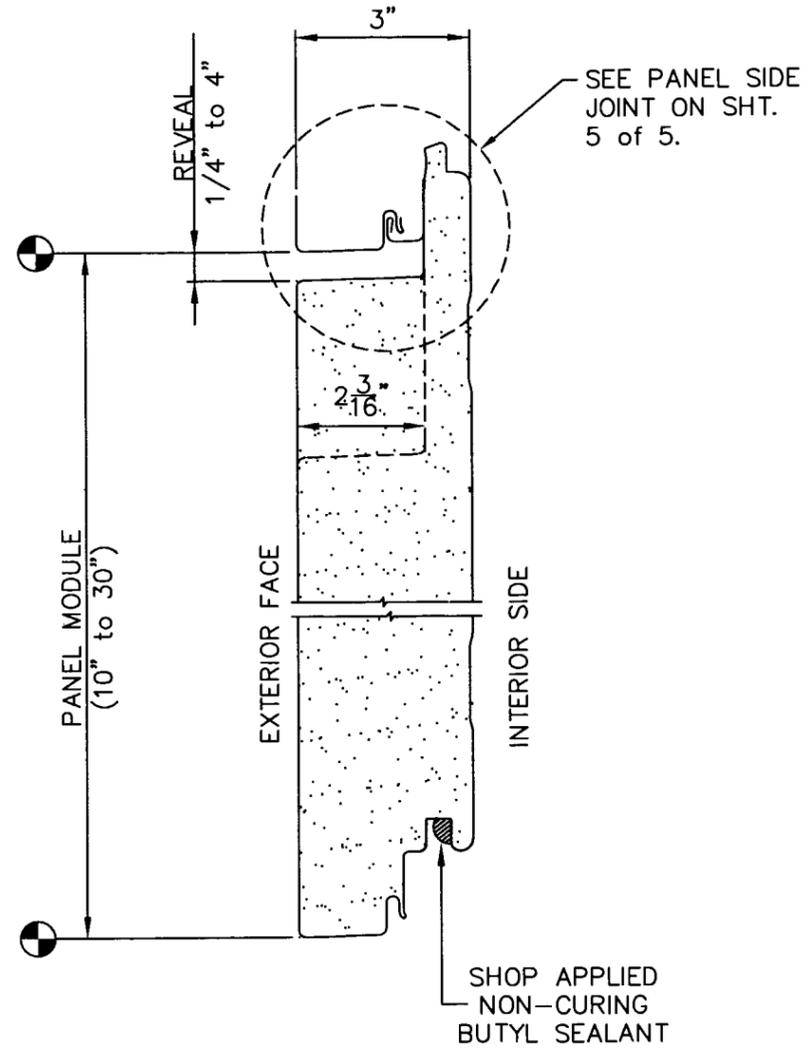
This NOA revises NOA # 00-1107.01 and consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Helmy A. Makar, P.E.**



**NOA No 02-0927.11
Expiration Date: 03/07/2007
Approval Date: 10/31/2002
Page 1**



2" HORIZONTAL PANEL



3" HORIZONTAL PANEL

PANEL SPECIFICATIONS

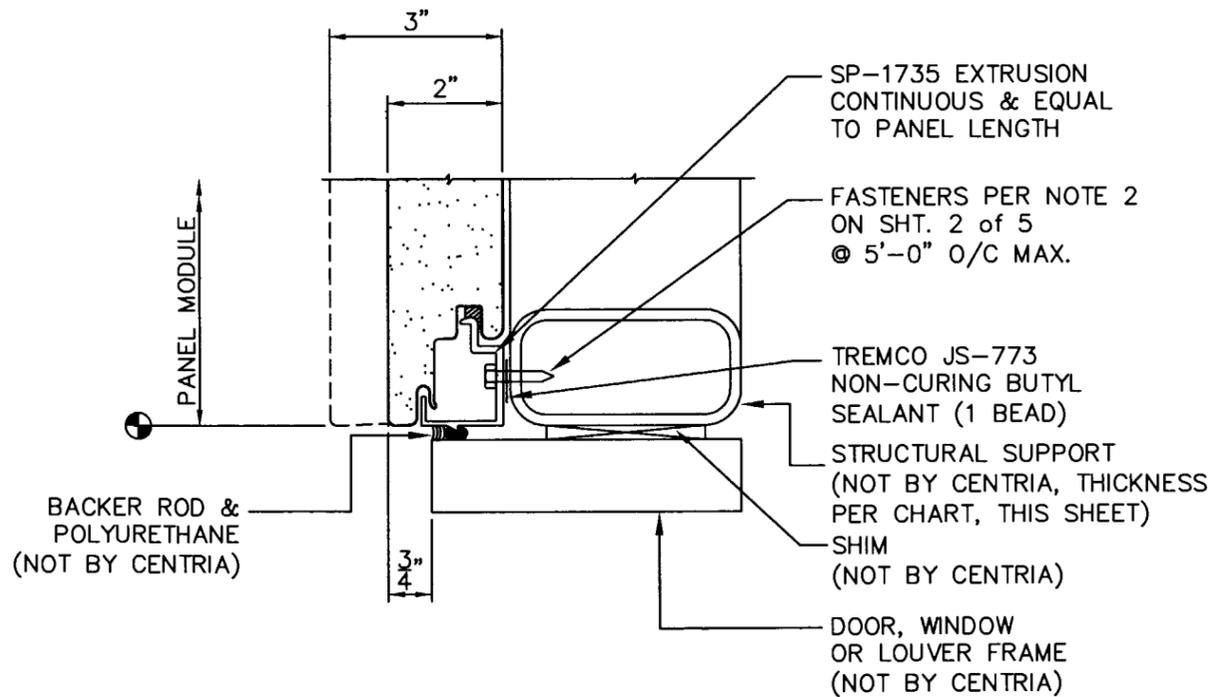
- 1) INTERIOR SKIN SHALL BE ASTM A653, GRADE 50, G90 GALVANIZED STEEL WITH 0.030" MINIMUM THICKNESS.
- 2) EXTERIOR SKIN SHALL BE ASTM A653, GRADE 50, G90 GALVANIZED STEEL WITH 0.031" MINIMUM THICKNESS.
- 3) SHOP APPLIED SEALANT SHALL BE 3/8"x 3/8" CONTINUOUS BEAD OF NON-CURING BUTYL (JS-773) MANUFACTURED BY TREMCO, BEACHWOOD, OHIO.
- 4) FIELD APPLIED SEALANT SHALL BE: TREMCO JS-773, NON-CURING BUTYL BY TREMCO, BEACHWOOD, OHIO.
- 5) CORE MATERIAL IS URETHANE FOAM WITH A DENSITY OF 2.78 (MIN.) PCF TO 3.1 PCF.
- 6) URETHANE FOAM PLASTIC PROPERTIES:
 SELF IGNITION TEMPERATURE per ASTM D1929 - 806°F.
 FLASH IGNITION TEMPERATURE per ASTM D1929 - 686°F.
 FLAME SPREAD INDEX per ASTM E84 - LESS THAN 25.
 SMOKE DEVELOPED per ASTM E84 - LESS THAN 450.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 02-0927.11
 Expiration Date 03/07/2007
 By *Helmut A. Malin*
 Miami Dade Product Control
 Division

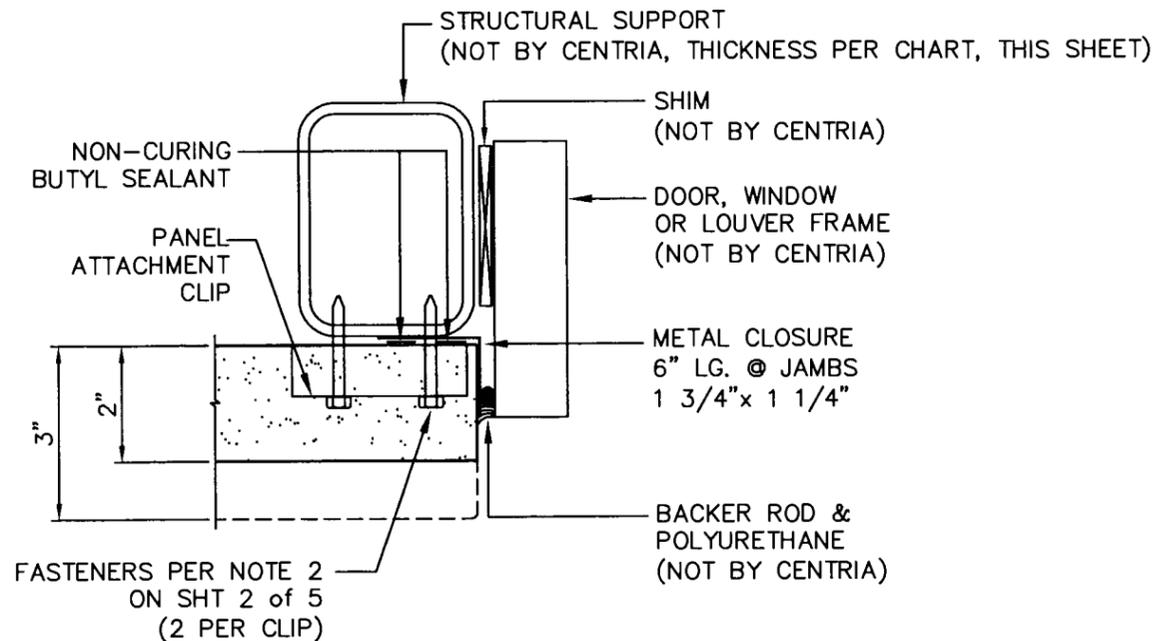
Formawall Dimension Series
 Cross Sections and Details
 CENTRIA
 1005 BEAVER GRADE ROAD
 MOON TOWNSHIP, PA 15108

Charles...
 10-4-02

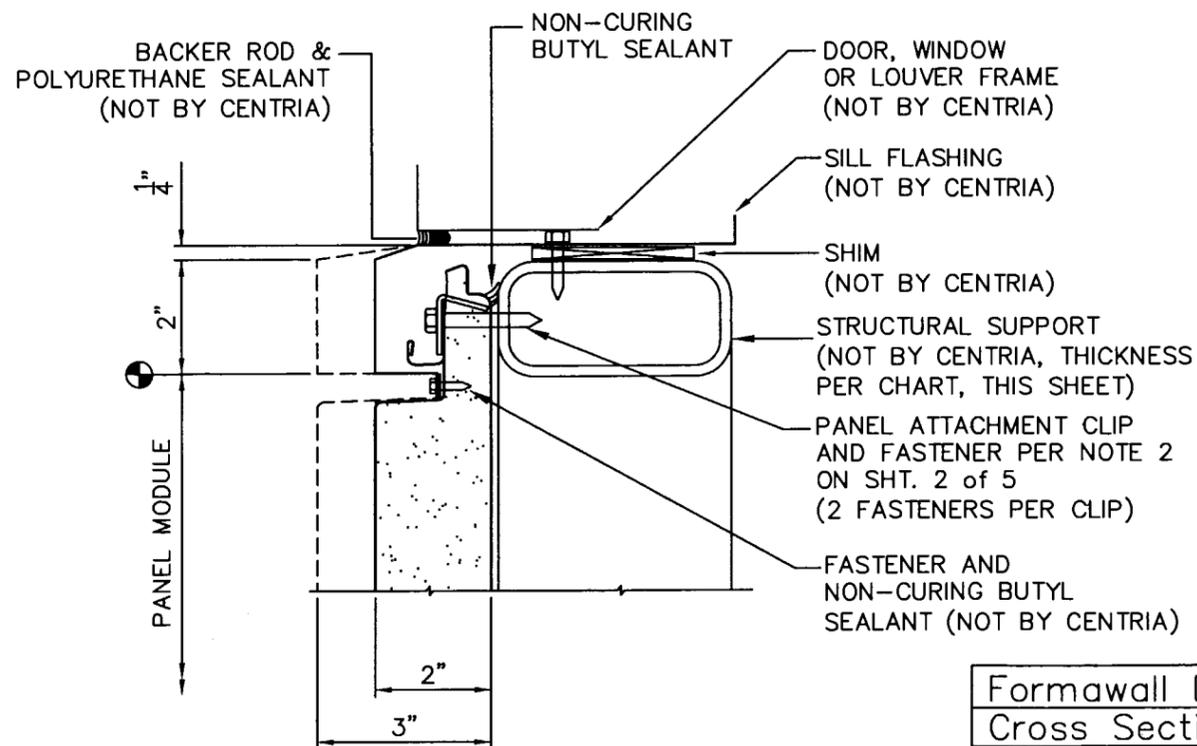
DWG.	SH.	DATE	REV.
1	1 of 5	08/26/02	5



HEAD OPENING for HORIZONTAL PANEL



JAMB OPENING for HORIZONTAL PANEL



SILL OPENING for HORIZONTAL PANEL

DESIGN PARAMETERS for HORIZONTAL and VERTICAL PANELS *					
PANEL ALLOWABLE BENDING MOMENT		PANEL ALLOWABLE REACTION		E x I	SUPPORT THICKNESS (MIN.)
IN-SPAN	AT SUPPORT	END SUPT.	INTERIOR SUPT.		
165 lb-ft	293 lb-ft	146 lb	488 lb	$3.747 \times 10^6 \text{ lb-in}^2$	**

* MAXIMUM PANEL SPAN = 6'-0" AND MINIMUM PANEL SPAN = 1'-4". FOR MAXIMUM DESIGN PRESSURE SEE NOTE #6 BELOW.

** MINIMUM STRUCTURAL SUPPORT MATERIAL THICKNESS "t" SHALL BE AS FOLLOWS:
 6'-0" ≥ PANEL SPAN > 1'-4": t = 3/16"
 PANEL SPAN = 1'-4": t = 0.0710"

1. ABOVE DESIGN PARAMETERS BASED ON ONE FOOT UNIT WIDTH.
2. FASTENERS TO BE 1/4-14 x 1 3/4" HEX HEAD STAINLESS STEEL-2 PER CLIP.
3. FASTENERS TO BE FROM ATLAS BOLT AND SCREW, ASHLAND, OHIO.
4. PANELS PROVIDE NO DIAPHRAGM CAPACITY.
5. MAXIMUM PANEL SPAN IS 6'-0".
6. THE MAXIMUM ALLOWABLE DESIGN PRESSURE SHALL BE THE LOWEST PRESSURE DERIVED FROM THE PANEL ALLOWABLE DESIGN CRITERIA SHOWN ABOVE. THE MAXIMUM DESIGN PRESSURE IS 170.0 PSF.
7. THE MAXIMUM PANEL DEFLECTION SHALL BE L/180.
8. PANEL SHALL BE ATTACHED TO STEEL SUPPORTS USING CLIPS IN THE SIDE JOINT AND SP-1735 BASE EXTRUSION AT THE BASE AS SHOWN ON DWGS 2 & 5 of 5.

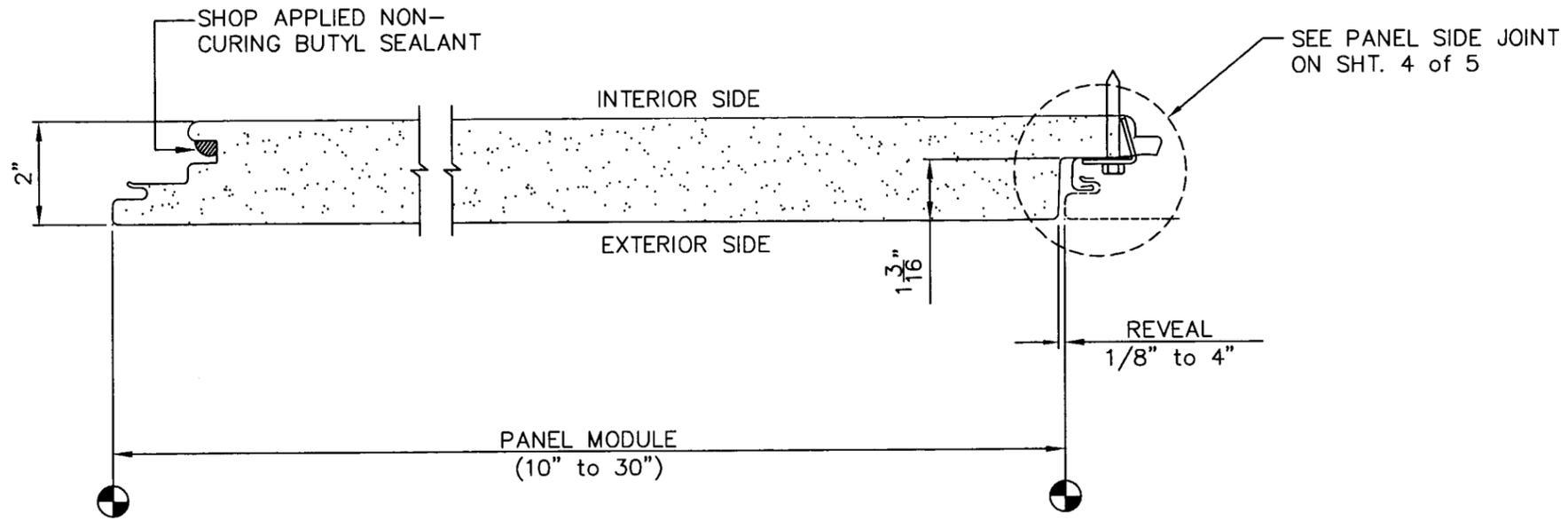
NOTE: PRODUCT CONTROL APPROVAL IS LIMITED TO THE WALL PANEL AND ITS ATTACHMENT FASTENERS TO THE STRUCTURAL STEEL FRAMING. THE STRUCTURAL ADEQUACY OF THE STEEL FRAMING AND ALL OTHER STRUCTURAL MEMBERS, CONNECTIONS AND FOUNDATION SHALL BE REVIEWED BY THE STRUCTURAL PLANS EXAMINER OF THE APPROPRIATE BUILDING DEPARTMENT.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 02-0927.11
 Expiration Date 03/07/2007
 By *Helmut A. Weber*
 Miami Dade Product Control
 Division

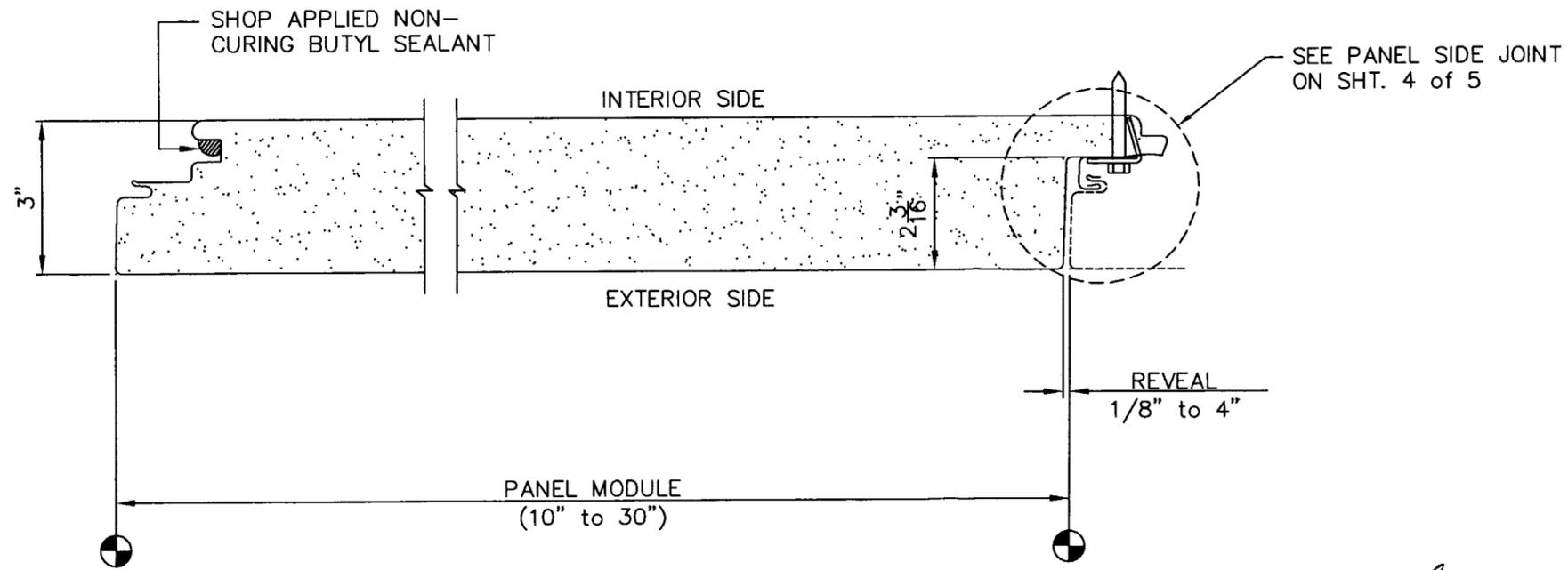
Formawall Dimension Series
 Cross Sections and Details
 CENTRIA
 1005 BEAVER GRADE ROAD
 MOON TOWNSHIP, PA 15108

DWG.	SH.	DATE	REV.
1	2 of 5	02/06/02	4

Chunbo Lin
 10-6-02



2" VERTICAL PANEL



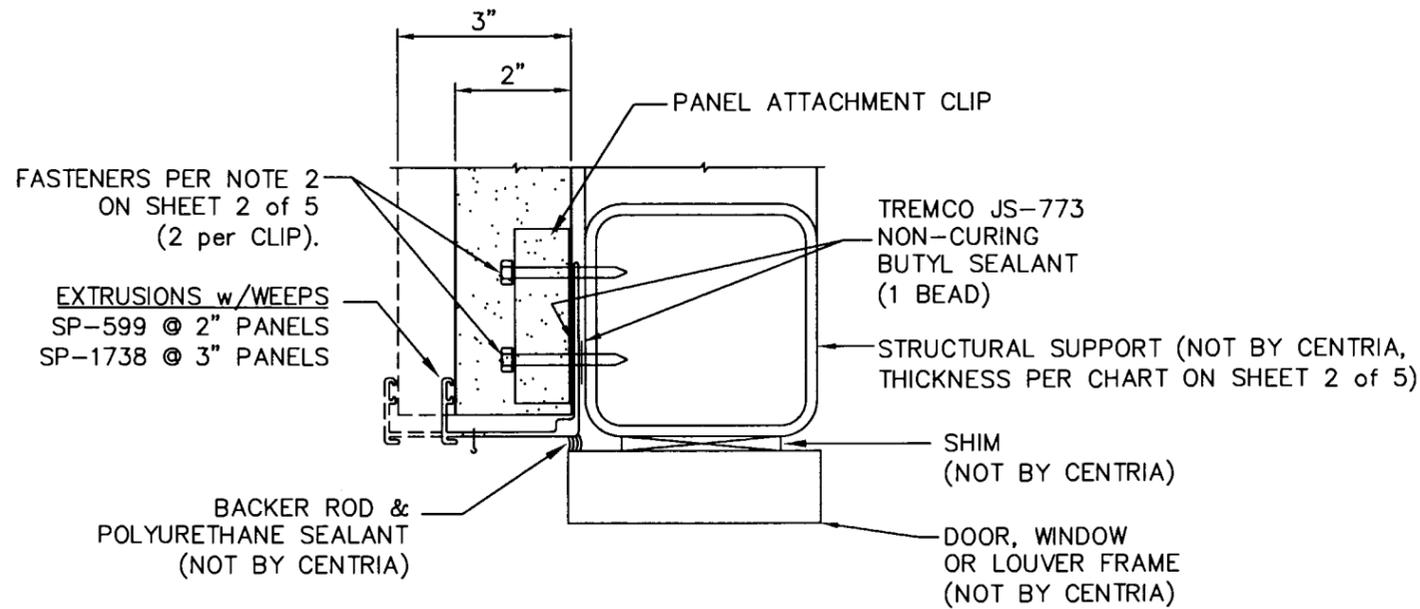
3" VERTICAL PANEL

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 By *Helmut A. M... ..*
 Miami Dade Product Control
 Division

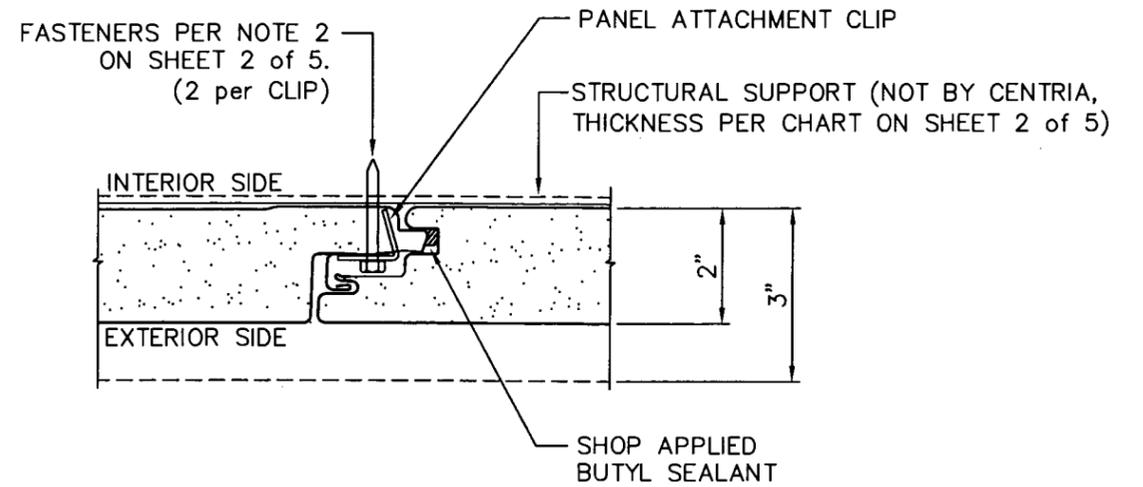
Formawall Dimension Series
 Cross Sections and Details
 CENTRIA
 1005 BEAVER GRADE ROAD
 MOON TOWNSHIP, PA 15108

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 /10-4-02

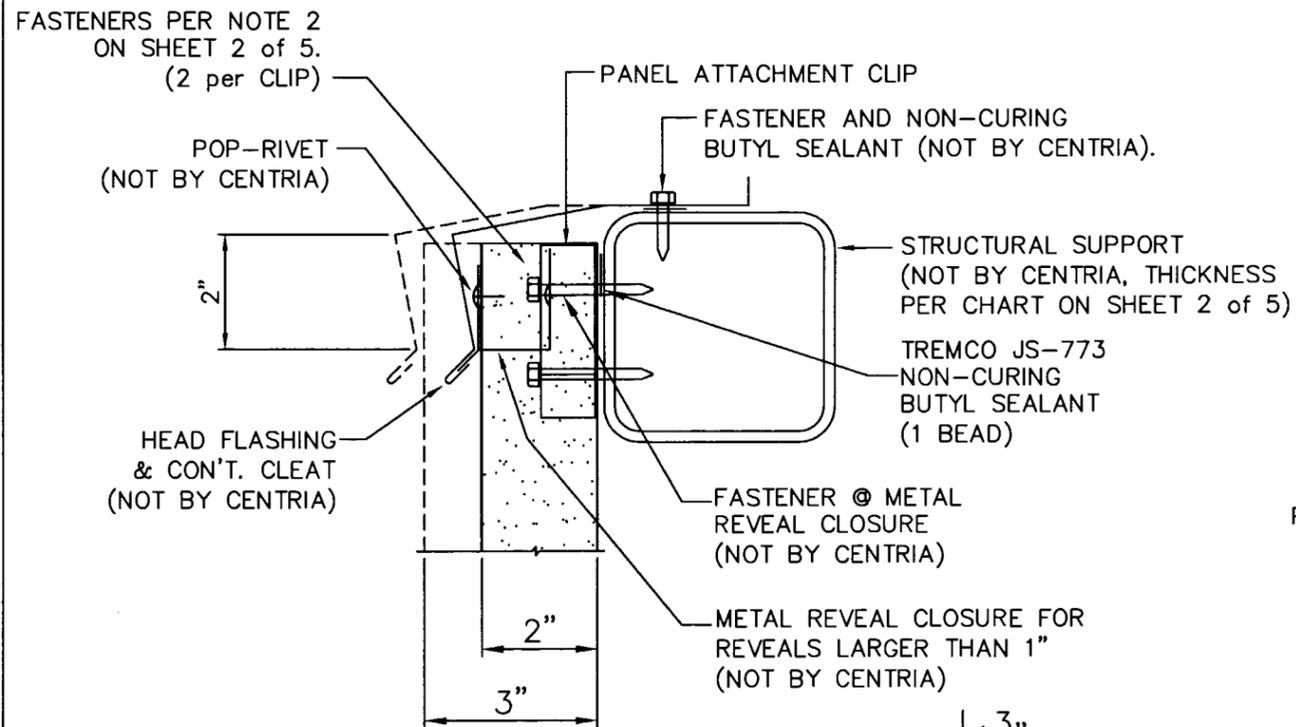
DWG.	SH.	DATE	REV.
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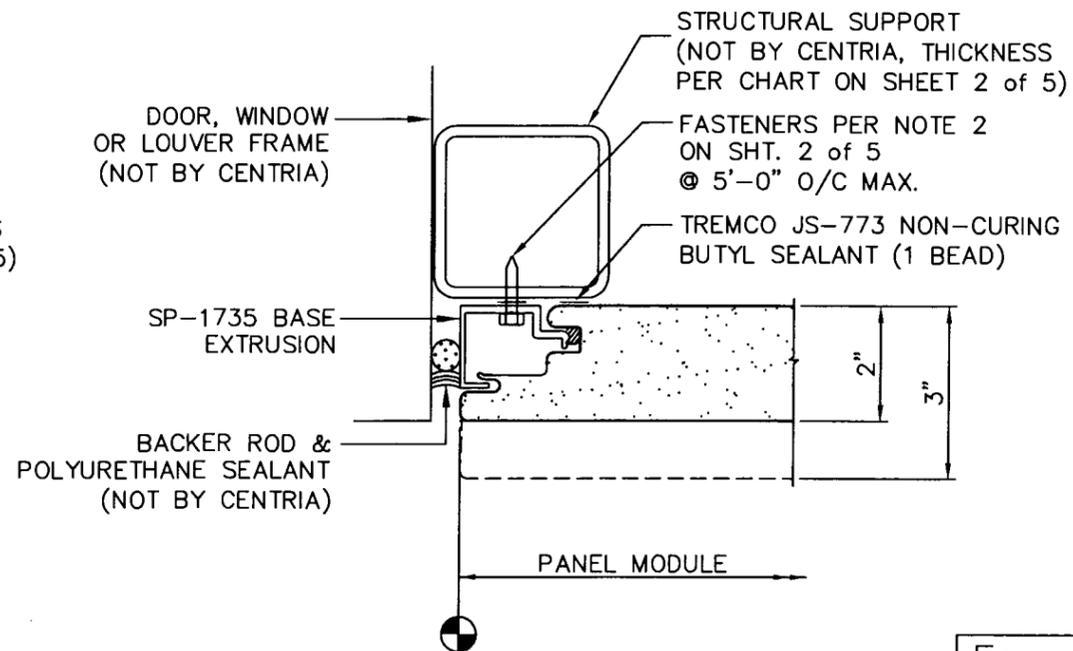
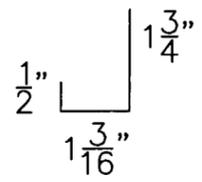
HEAD OPENING for VERTICAL PANELS



PANEL SIDE JOINT for VERTICAL PANELS



SILL OPENING for VERTICAL PANELS

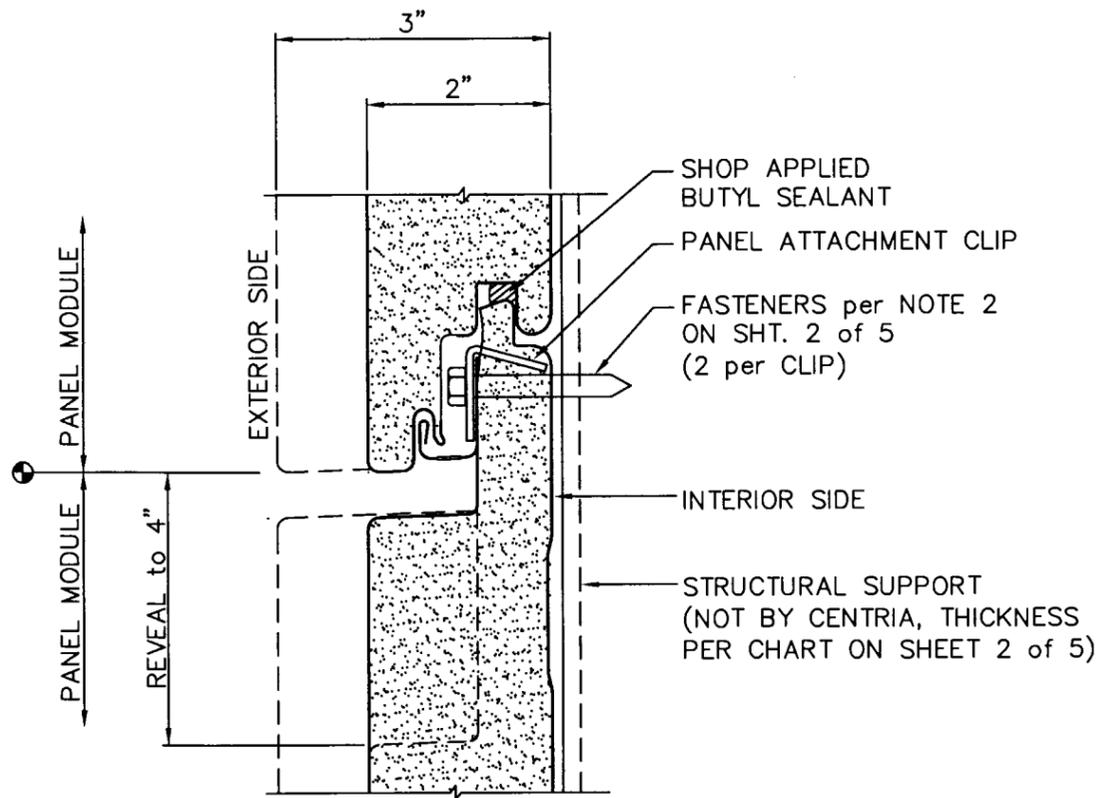


JAMB OPENING for VERTICAL PANELS

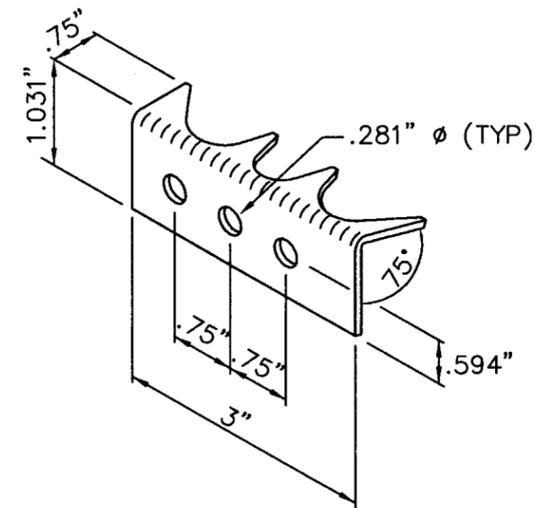
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 02-0927.11 Expiration Date 03/07/2007 By *Helmut A. Meier* Miami Dade Product Control Division

Formawall Dimension Series			
Cross Sections and Details			
CENTRIA			
1005 BEAVER GRADE ROAD			
MOON TOWNSHIP, PA 15108			
DWG.	SH.	DATE	REV.
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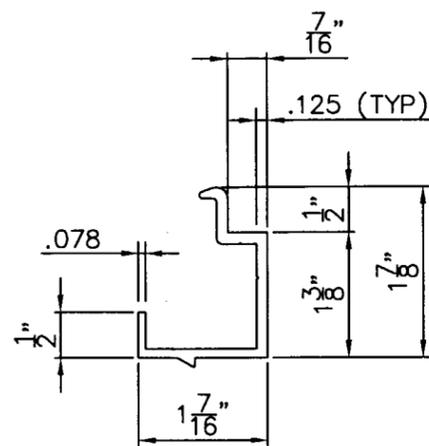
Chubb
10-4-02



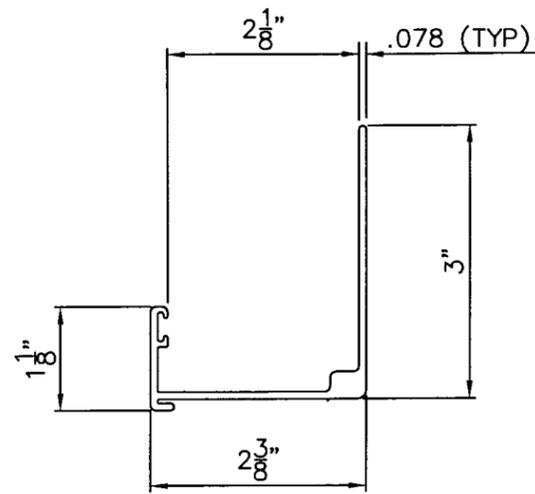
PANEL SIDE JOINT FOR HORIZONTAL PANELS



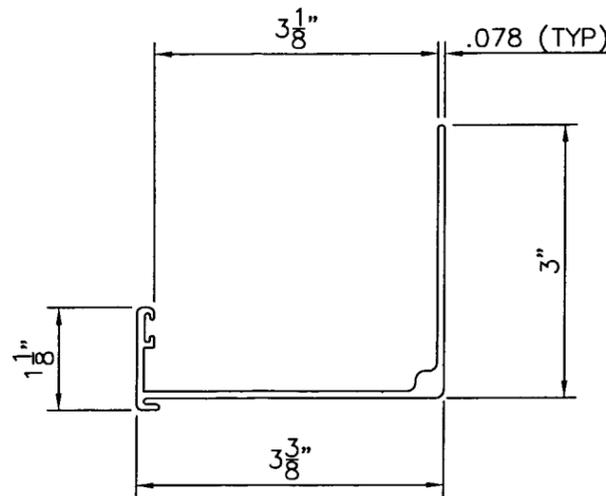
A-31 ATTACHMENT CLIP
12 GAGE, (.1046" MIN) ASTM A-653
GRADE 33, G90 GALV.



SP1735 BASE EXTRUSION
WITH WEEP HOLES
(2" & 3" PANELS)
6063-T5 ALUMINUM



SP599 BASE EXTRUSION
(2" PANELS)
6063-T5 ALUMINUM



SP1738 BASE EXTRUSION
(3" PANELS)
6063-T5 ALUMINUM

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 02-0927-11
Expiration Date 02/07/2007
By *Helmut A. Miller*
Miami Dade Product Control
Division

Formawall Dimension Series
Cross Sections and Details
CENTRIA
1005 BEAVER GRADE ROAD
MOON TOWNSHIP, PA 15108

DWG.	SH.	DATE	REV.
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Chenbo Lin
10-4-02