



MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Raynolds Metals Company
Construction Products Division
Richmond VA 23230

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT SECTION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

Your application for Product Approval of:

20 ga., 7.2" Rib Rollformed Structural Galvanized Steel 1-1/2" x 36" Wall Panel

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This approval shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at anytime from a jobsite or manufacturer's plant for quality control testing.

If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

Acceptance No.: 00-0118.11

Expires: 01/16/2003

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS

BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director

Miami-Dade County
Building Code Compliance Office

Approved: 03/03/2000

1 of 3



Reynolds Metal Company

ACCEPTANCE No. : 00-0118.11

APPROVED : MAR 03 2000

EXPIRES : 01/16/2003

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

This renews the Notice of Acceptance No. 96-0731.04, which was issued on January 16, 1997. It approves a 20 gage 7.2" Rib Rollformed Structural Galvanized Steel (1-1/2" x 36") Wall non-insulated Panel, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County, for the locations where the load requirements, as determined by SFBC Chapter 23, do not exceed the design load values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

This 20 gage 7.2" Rib Rollformed Structural Galvanized Steel (1-1/2" x 36") Wall non-insulated Panel and its components shall be constructed in strict compliance with the following documents: Drawing No. 2S012065, sheets 1 through 6 of 6, prepared by Dean A. Peppel, P.E., dated November 4, 1996, signed and sealed by Dean A. Peppel, P.E., bearing the Miami-Dade County Product Control Approval and Renewal stamps with the Notice of Acceptance numbers and approval dates by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

All permanent set components must be protected against corrosion, contamination and damage at all times.

4. INSTALLATION

This 20 gage 7.2" Rib Rollformed Structural Galvanized Steel (1-1/2" x 36") Wall non-insulated Panel and its components shall be installed in strict compliance with the approved drawings.

5. 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".

6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance.

6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.

6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.



Helmy A. Makar, P.E. - Product Control Examiner
Product Control Division

Reynolds Metal Company

ACCEPTANCE No. : 00-0118.11

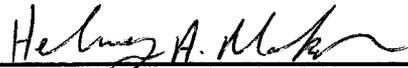
APPROVED : MAR 03 2000

EXPIRES : 01/16/2003

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documents, including test-supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
 - b. The product is no longer the same product (identical) as the one originally approved.
 - c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
 - d. The engineer, who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a. Unsatisfactory performance of this product or process.
 - b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer needs not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE



Helmy A. Makar, P.E.- Product Control Examiner
Product Control Division

PRODUCT RENEWED

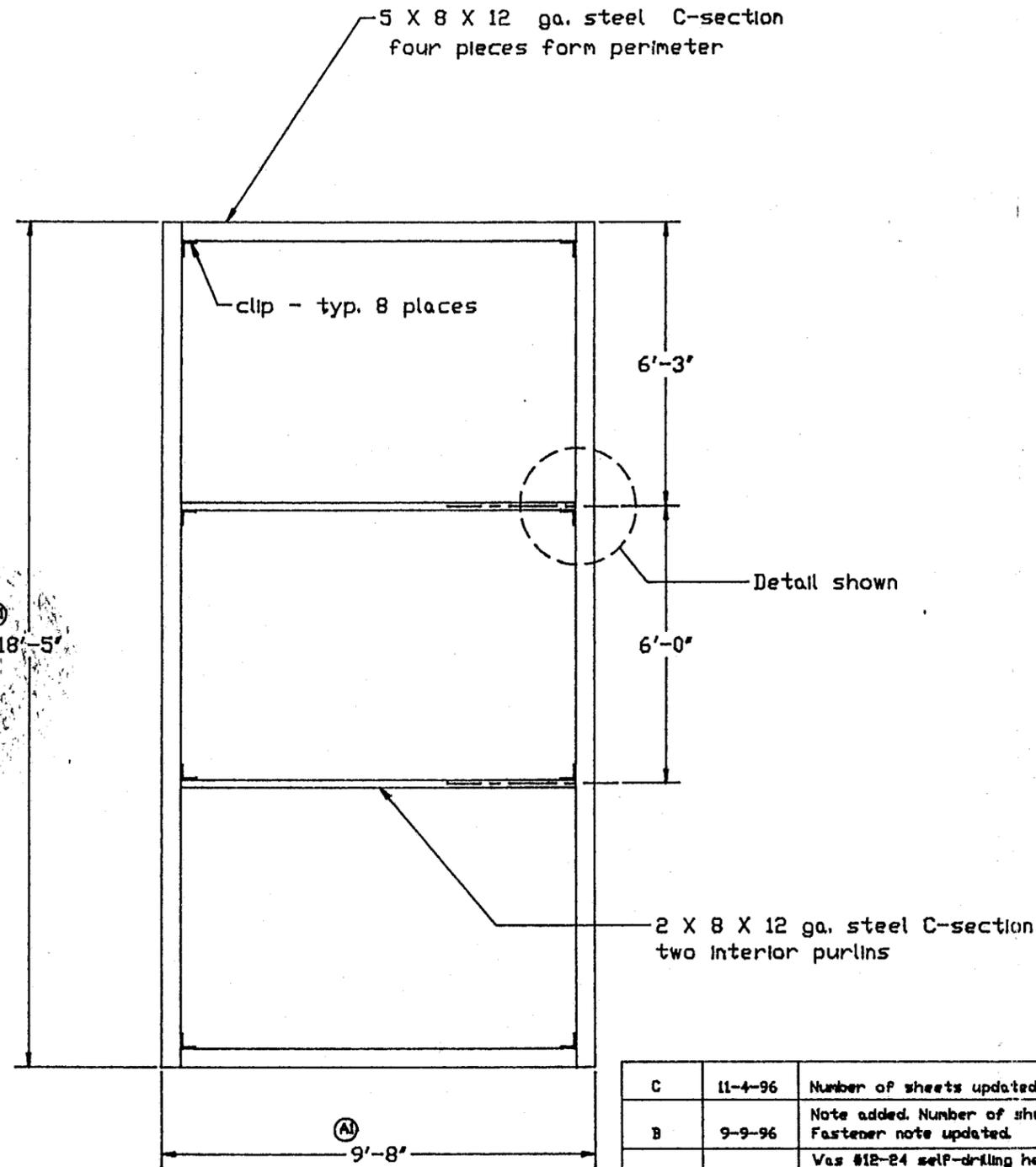
ACCEPTANCE No. 00-0118.11

EXPIRATION DATE January 16, 2003

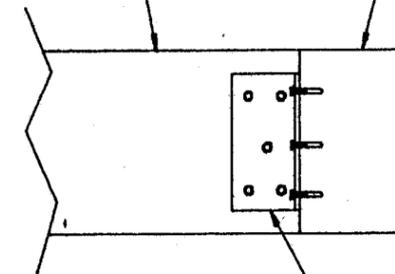
By Helmut A. Mehn

PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JANUARY 16, 1997
BY Helmut A. Mehn
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 96-0731.04



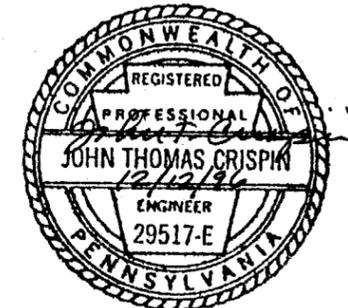
2 X 8 C-section 5 X 8 C-section



3 X 3 X 3/16 th. X 6 lg
steel clip angle with five
Drill-it screws per leg
(10 per clip) ^{A2} ^B

Typical Joint Detail

Other joints similar



^B General Notes and Material Specifications are given on sheet 5 of 6. ^C

7.2" Rib Siding (20 ga., .040" th.) test for Dade County
Mounting Frame for 6' Spans

Reynolds Metals Company
P.O. Box 27003
Richmond, VA 23261

Drawn by: Travis Wood, Test Engineer, ME

Reviewed and Signed by:

John T. Crispin, PENNSYLVANIA P.E. NO. 29517-E

REV.	DATE	CHANGE
C	11-4-96	Number of sheets updated.
B	9-9-96	Note added. Number of sheets updated. Fastener note updated.
A2	7-11-96	Was #12-24 self-drilling hex head. Drill-it #5 is a #12-24 self-drilling, hex head screw w/ 3/4" lg bit.
A1	7-11-96	Frame was specified as 18'-6" X 9'-9" but built to 18'-5" X 9'-8" due to material error.
REV.	DATE	CHANGE

Dwg. No. 2S012065

Sheet 1 of 6 ^B ^C

June 14, 1996

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE JANUARY 16 1997
 BY Helmut A. Mota
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 96-0731.04

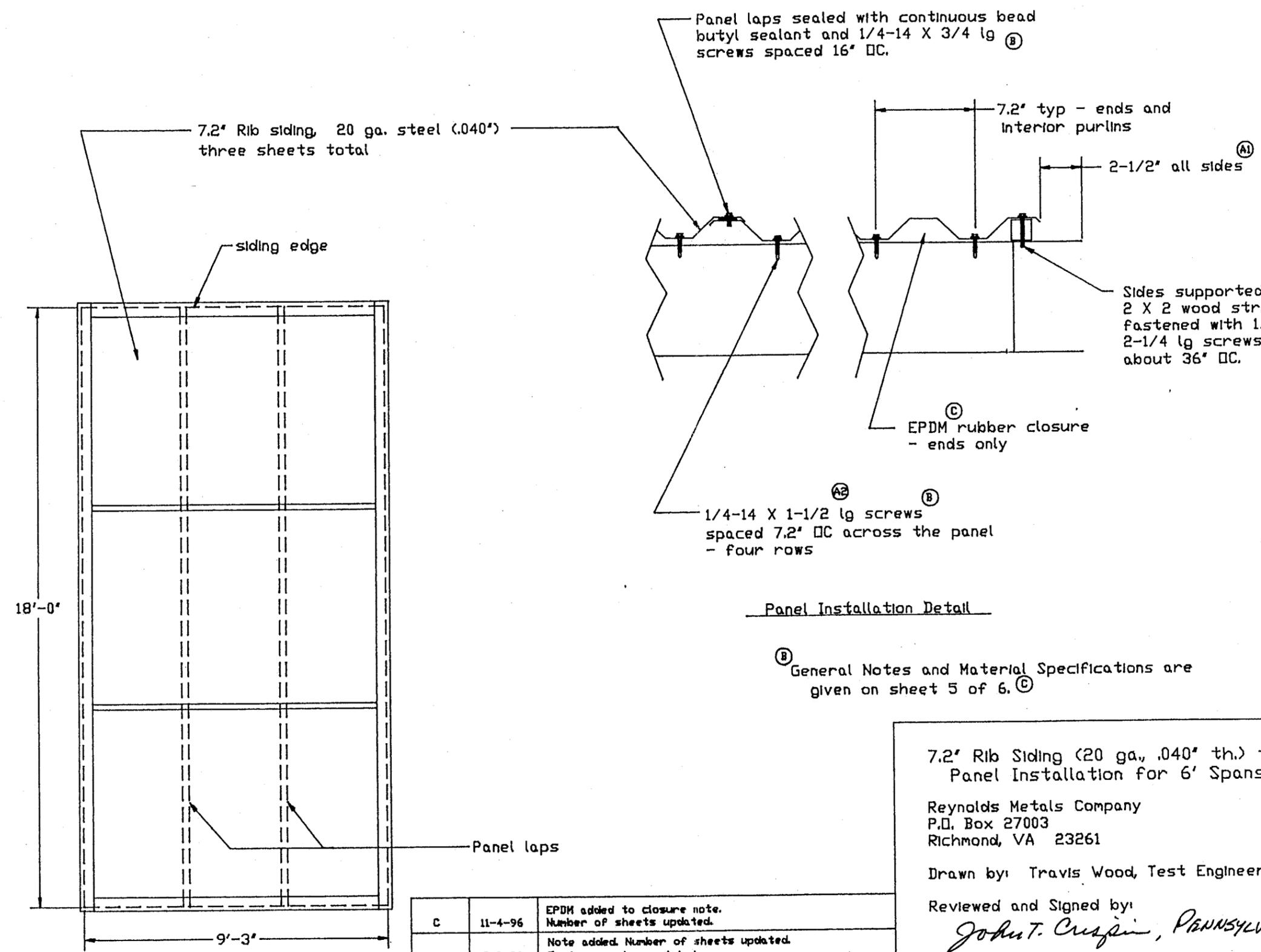
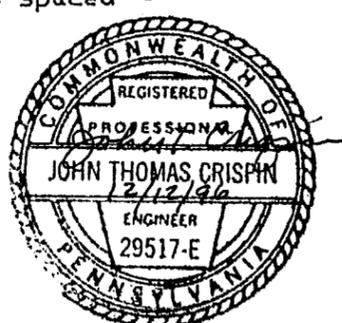
PRODUCT RENEWED

ACCEPTANCE No. 00-0118.11

EXPIRATION DATE January 16, 2003

By Helmut A. Mota

PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE



Panel Installation Detail

General Notes and Material Specifications are given on sheet 5 of 6.

7.2' Rib Siding (20 ga., .040" th.) test for Dade County
 Panel Installation for 6' Spans

Reynolds Metals Company
 P.O. Box 27003
 Richmond, VA 23261

Drawn by: Travis Wood, Test Engineer, ME

Reviewed and Signed by:
John T. Crispin, PENNSYLVANIA P.E. NO. 29517-E

REV.	DATE	CHANGE
C	11-4-96	EPDM added to closure note. Number of sheets updated.
B	9-9-96	Note added. Number of sheets updated. Fastener notes updated.
A2	7-11-96	1-1/2 lg was 1-1/4 lg, was typo error.
A1	7-11-96	2-1/2' was 3', changed due to change in frame size shown on sheet 1.

PRODUCT RENEWED

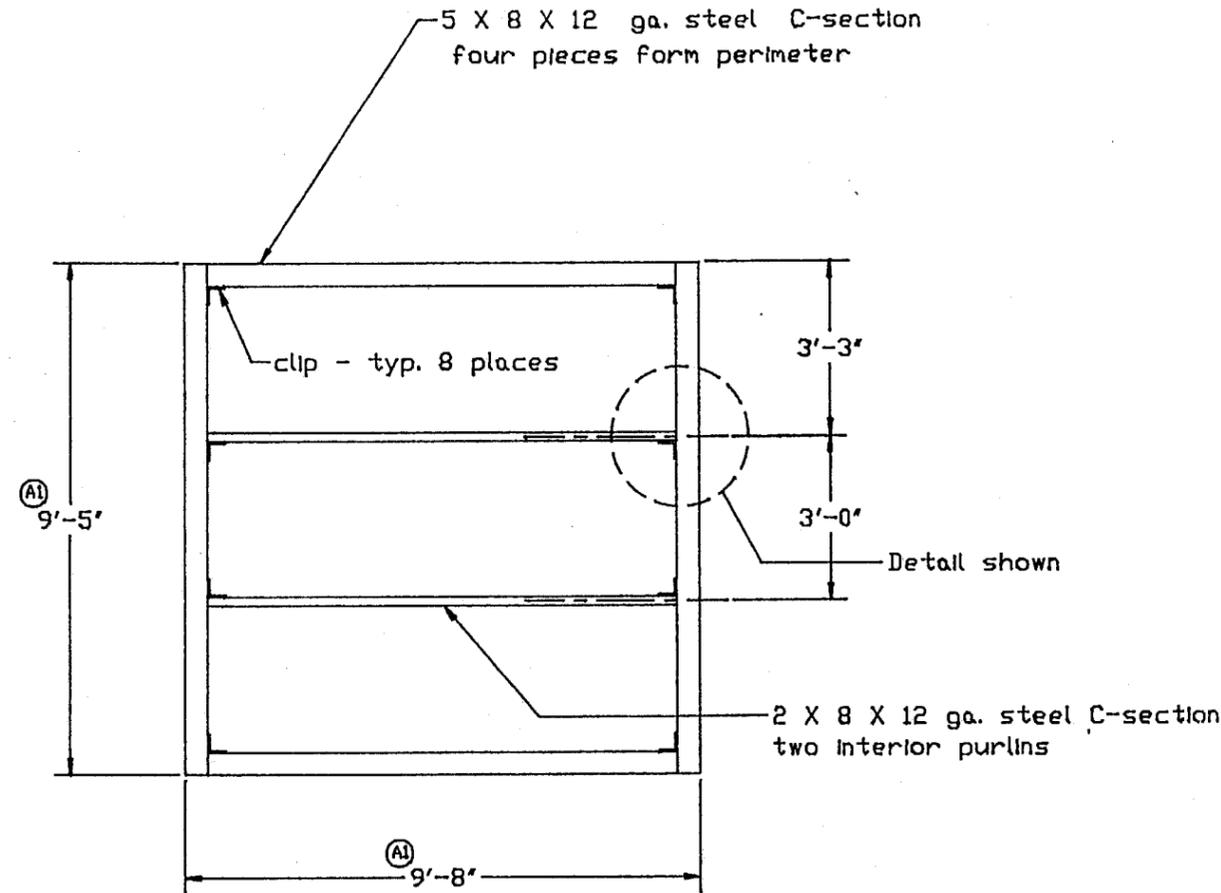
ACCEPTANCE No. 00-0118.11

EXPIRATION DATE January 16, 2003

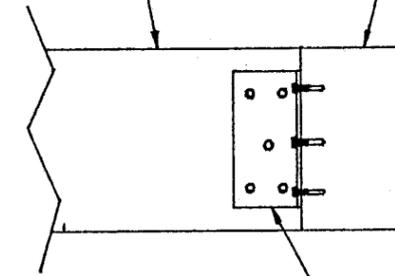
By Herling A. Matar

PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

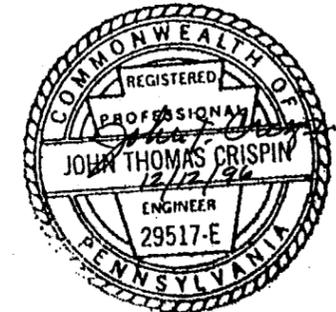
APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JANUARY 16, 1997
BY Herling A. Matar
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 96-0731.04



2 X 8 C-section 5 X 8 C-section



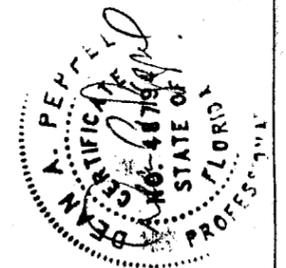
3 X 3 X 3/16 th. X 6 lg
steel clip angle with five
Drill-it screws per leg
(10 per clip) A2 B



Typical Joint Detail

Other joints similar

General Notes and Material Specifications are given on sheet 5 of 6.



7.2' Rib Siding (20 ga., .040" th.) test for Dade County
Mounting Frame for 3' Spans

Reynolds Metals Company
P.O. Box 27003
Richmond, VA 23261

Drawn by: Travis Wood, Test Engineer, ME

Reviewed and Signed by:

John T. Crispin, PENNSYLVANIA P.E. NO. 29517E

REV.	DATE	CHANGE
C	11-4-96	Number of sheets updated.
B	9-9-96	Note added. Number of sheets updated. Fastener note updated.
A2	7-11-96	Was #12-24 self-drilling hex head Drill-it #5 is a #18-24 self-drilling, hex head screw w/ 3/4" lg bit.
A1	7-11-96	Frame was specified as 9'-6" X 9'-9" but built to 9'-5" X 9'-8" due to material error.
REV.	DATE	CHANGE

Dwg. No. 2S012065

Sheet 3 of 6

June 14, 1996

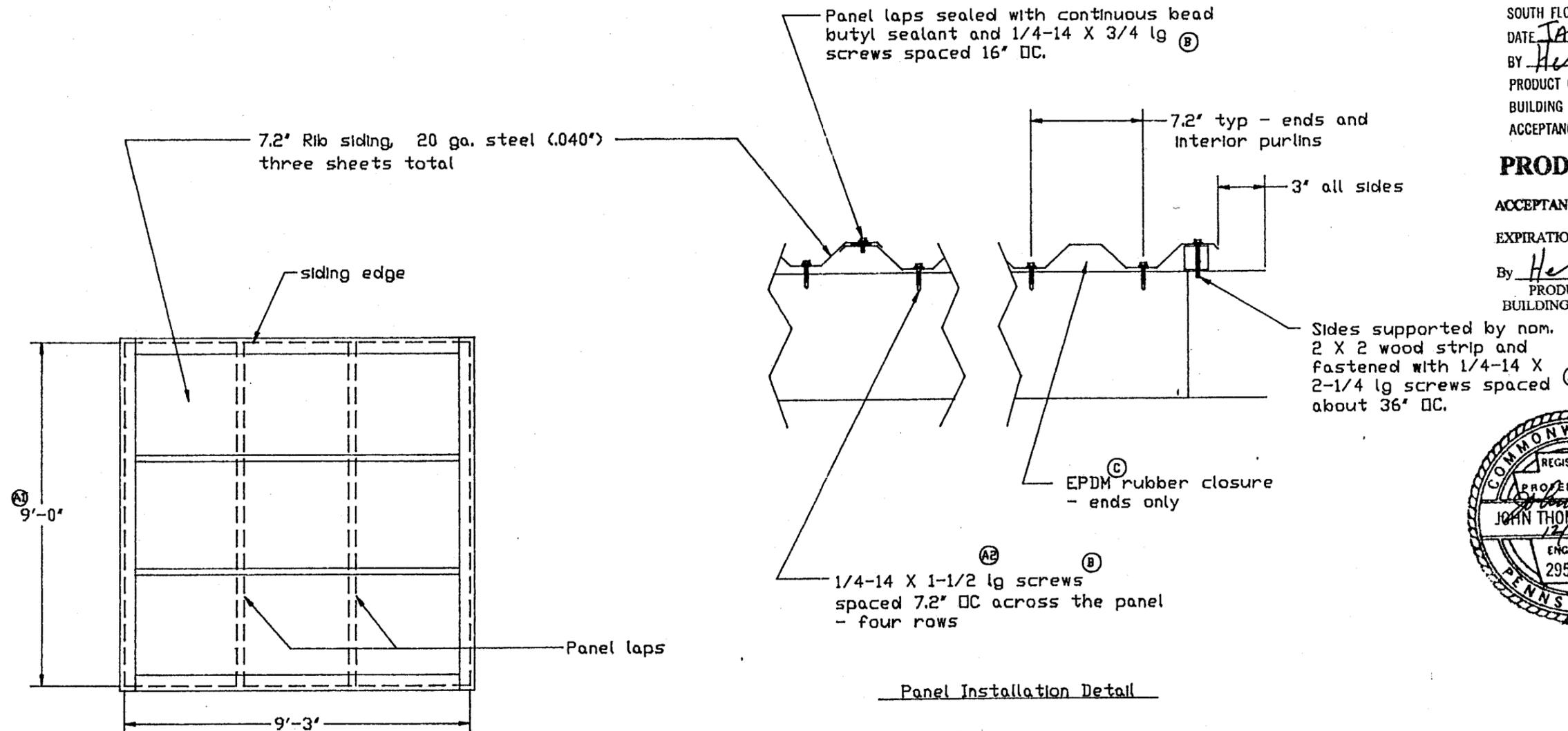
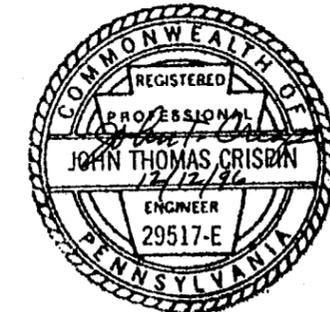
APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JANUARY 16, 1997
BY Helmy A. Maher
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 96-0731.04

PRODUCT RENEWED

ACCEPTANCE No. 00-0118.11

EXPIRATION DATE January 16, 2003

By Helmy A. Maher
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE



Panel Installation Detail

^(B) General Notes and Material Specifications are given on sheet 5 of 6. ^(C)

7.2" Rib Siding (20 ga., .040" th.) test for Dade County
Panel Installation for 3' Spans

Reynolds Metals Company
P.O. Box 27003
Richmond, VA 23261

Drawn by: Travis Wood, Test Engineer, ME

Reviewed and Signed by:
John T. Crispin, PENNSYLVANIA P.E. NO. 29517-E

REV.	DATE	CHANGE
C	11-4-96	EPDM added to closure note. Number of sheets updated.
B	9-9-96	Note added. Number of sheets updated. Fastener notes updated.
A2	7-11-96	1-1/2 lg was 1-1/4 lg. was typo error.
A1	7-11-96	Dimension had been drawn as 9'-6" to end of frame instead of 9'-0" to end of panel.
REV.	DATE	CHANGE

PRODUCT RENEWED

ACCEPTANCE No. 00-0118.11

EXPIRATION DATE January 16, 2003

By Helmut A. Mahr

PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE

DATE JANUARY 16, 1997

BY Helmut A. Mahr

PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 96-0731.04

Material Specifications

Steel C-sections and clip angles - ASTM A446 Grade 50 with minimum properties of 50 ksi yield, 65 ksi ultimate, 12% elongation in 2", and 30 Mpsi modulus of elasticity.

Frame fasteners - #12-24 self-drilling, self-tapping, hex-head screw, 1-1/4" lg. with 5/8" lg. bit (Drill-it® #5 style) and with Stalgard coating. Manufactured by Elco Industries, Inc. of Rockford, IL.

7.2" rib - Formed per Reynolds Metals Company drawing number 2S012065, Sheet 6 of 6, dated Nov. 6, 1996. Metal used conforms to ASTM A446-89, Grade A, with minimum yield of 38 ksi, and is galvanized to ASTM A525-87, Class G90. (A3)

Panel fasteners - 1/4-14 self-drilling, self-tapping, hex-head screw (TEK® style) with 5/8" dia. bonded neoprene washer, in 3/4" and 1-1/2" lengths. 1/4-14 self-tapping, hex-head screw with 5/8" dia. bonded neoprene washer, in 2-1/4" length. All styles manufactured by Construction Fasteners Inc. of Wyomissing, PA.

Closures - EPDM closed cells synthetic rubber conforming to ASTM D1056. Manufactured by Closures, Inc. of Houston, TX. (A2)

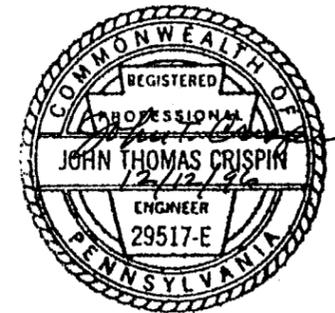
Butyl caulk - DAP Butyl-flex® caulk conforming to Federal Specification TT-C-001657, Type I. Manufactured by DAP, Inc. of Dayton, OH.

General Notes

1. This structural 7.2" rib panel shall be used for wall construction only. Each actual wall project shall be constructed using the details shown on these drawings as minimum required specifications.

2. Allowable pressures for 20 ga. steel 7.2" rib are:

Wall Interior Zone	6'-0" max. span	±67 psf
Wall End Zone	3'-0" max. span	±121 psf



7.2" Rib Siding (20 ga., .040" th.) test for Dade County
General Notes and Material Specifications

Reynolds Metals Company
P.O. Box 27003
Richmond, VA 23261

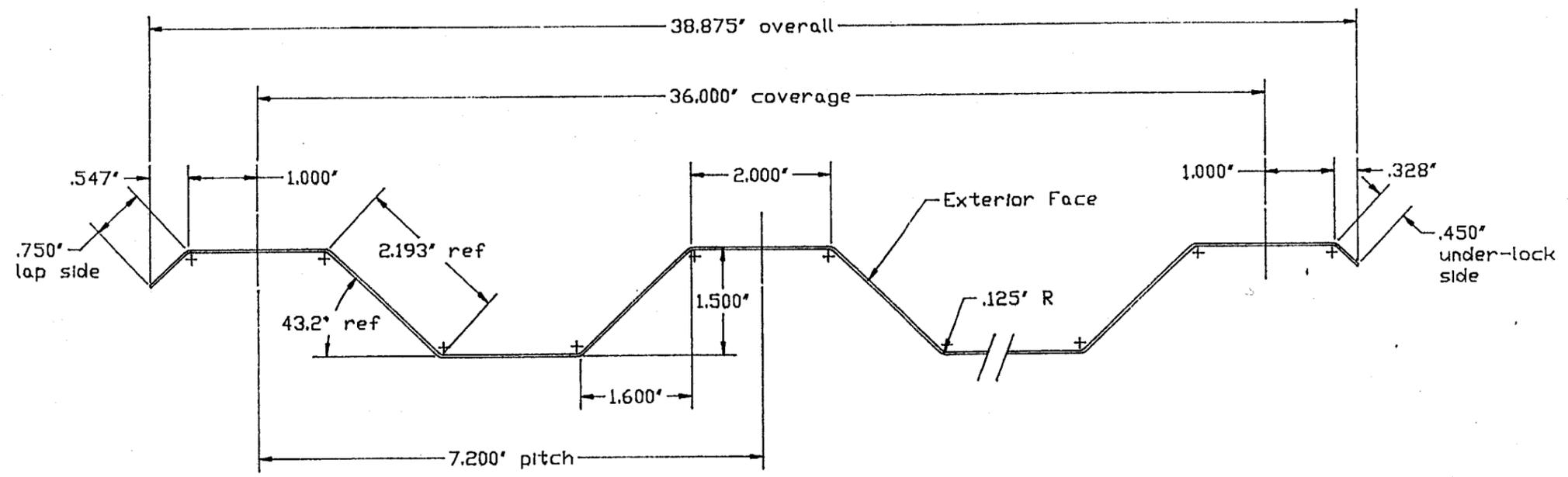
Drawn by: Travis Wood, Test Engineer, ME

Reviewed and Signed by:

John T. Crispin, PENNSYLVANIA P.E. NO. 29517-E

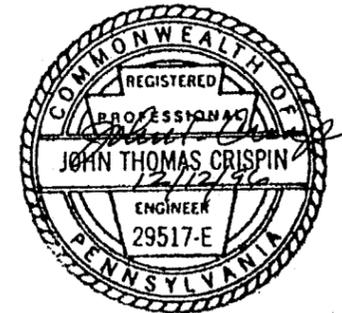
A3	11-4-96	7.2" rib drawing specification changed and note edited per BCCO, Metropolitan Dade County.
A2	11-4-96	Closure note revised due to corrected information from supplier.
A1	11-4-96	Number of sheets updated.
REV.	DATE	CHANGE

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE JANUARY 16, 1997
 BY Helmut A. Meier
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 96-0731.04



7.2' Rib - A Rollformed 20 ga. Galvanized Steel Wall Panel

PRODUCT RENEWED
 ACCEPTANCE No. 00-0118.11
 EXPIRATION DATE January 16, 2003
 By Helmut A. Meier
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE



- NOTES: 1. All dimensions are to the centerline of the metal. Dimensions to a corner are to the zero radius intersection.
 2. All dimensions are typical through-out panel.
 3. Drawing is based on Reynolds Metals Co, Architectural & Building Products Division drawing no. E7, dated 1-31-84.

7.2' Rib Siding (20 ga., .040" th.) test for Dade County
 7.2' Rib Profile

Reynolds Metals Company
 P.O. Box 27003
 Richmond, VA 23261

Drawn by: Travis Wood, Test Engineer, ME

Reviewed and Signed by:
John T. Crispin, PENNSYLVANIA P.E. No. 29517-E

Dwg. No. 2S012065 Sheet 6 of 6 Nov. 6, 1996