



**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)

**Nucor Building Systems
200 Whetstone Road
Swansea, SC 29160**

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: "Reverse Classic" 0.024" (min.) Structural Steel Wall Panel

APPROVAL DOCUMENT: Drawing No. 1445, titled "Reverse Classic, 24 Gage Structural Steel Wall System", sheets 1 and 2 of 2, prepared by Bala Sockalingam, P.E., dated November 01, 2006, last revision #2 dated May 16, 2007, signed and sealed by Bala Sockalingam, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by 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 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
06/21/2007

**NOA No 06-1116.05
Expiration Date: 06/21/2012
Approval Date: 06/21/2007**



Nucor Building Systems

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. 1445, titled "Reverse Classic, 24 Gage Structural Steel Wall System", sheets 1 and 2 of 2, prepared by Bala Sockalingam, P.E., dated November 01, 2006, last revision #2 dated May 16, 2007, signed and sealed by Bala Sockalingam, P.E.*

B. TEST

1. *Test report on Large Missile Impact test, Cyclic Wind Pressure test and Uniform Static Air Pressure test on "Reverse Classic Panels – 24 Ga. thickness (.024")", prepared by Architectural Testing, report No. 65370.01-801-18, dated 07/26/06, signed and sealed by Joseph A. Reed, P.E.*
2. *Accelerated Weathering test.*
3. *Salt spray test.*

C. CALCULATIONS

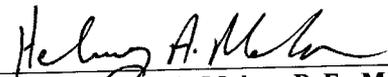
1. *Reverse Classic Wall Panel Calculation, dated 11/07/06, pages 1 through 4, prepared by Bala Sockalingam, P.E., signed and sealed by Bala Sockalingam, P.E.*

D. QUALITY ASSURANCE

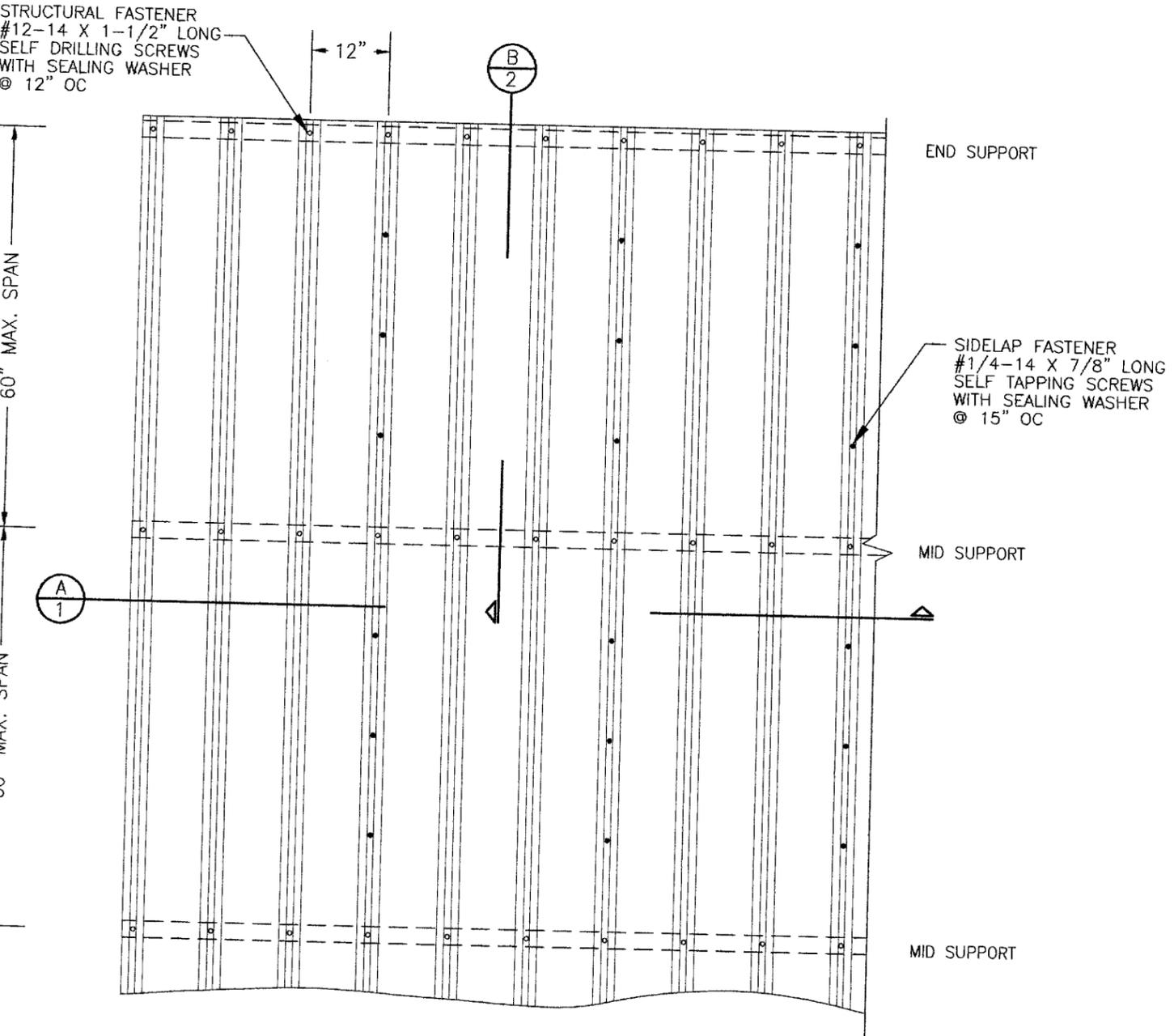
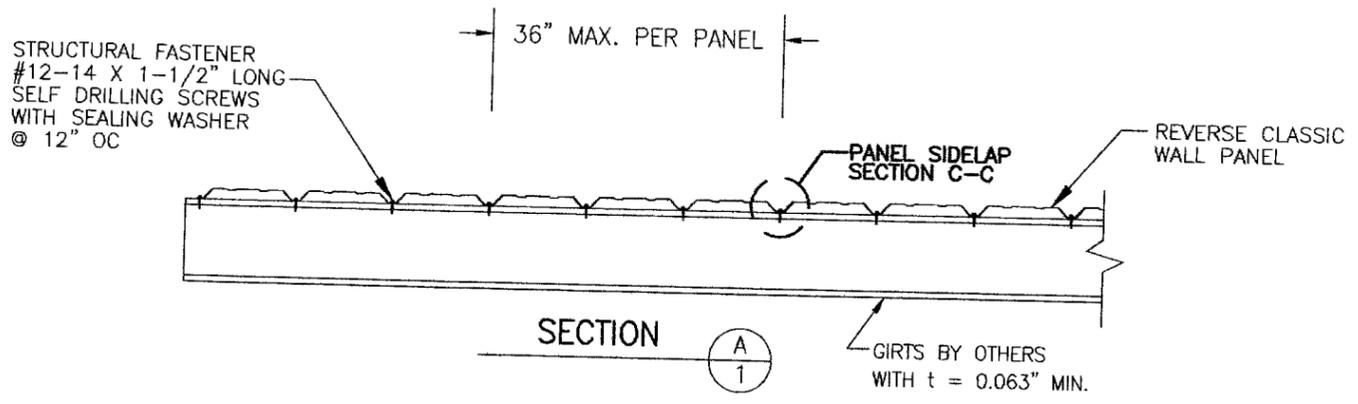
1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATION

1. *Tensile test report 01-65370, prepared by Architectural Testing, dated 07/25/06, signed and sealed by Joseph A. Reed, P.E.*



Helmy A. Makar, P. E., M.S.
Product Control Examiner
NOA No 06-1116.05
Expiration Date: 06/21/2012
Approval Date: 06/21/2007



TYPICAL EXTERIOR WALL ELEVATION

GENERAL NOTES:

1. THIS STRUCTURAL WALL PANEL SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH 2004 FLORIDA BUILDING CODE (F.B.C.).
2. WALL PANELS ARE FABRICATED FROM A MAX. 46.5" WIDE COIL & SHALL BE 24 GA. (t = 0.0240" MIN.) ASTM 792 GR 80 STEEL WITH Fy = 100 KSI (MIN) WITH A SILICONIZED POLYESTER COATING APPLIED. EFFECTIVE COVERING WIDTH OF PANEL = MAX. 36".
3. THE WALL PANELS SHALL BE INSTALLED OVER WALL STRUCTURE AS SPECIFIED ON THESE DRAWINGS.
4. HORIZONTAL SEAMS MAY BE PRESENT AT CENTERLINE OF SUPPORTING GIRTS PROVIDED THE SEAMS ARE FLASHED AND PROPERLY SEALED PER NUCOR SPECIFICATIONS AND EACH PANEL END IS SECURED PER THESE DRAWINGS.
5. REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED FOR EACH PROJECT.
6. THIS WALL PANEL SYSTEM HAS BEEN TESTED AS AN IMPACT SYSTEM IN ACCORDANCE WITH PROTOCOLS TAS-201, 202 & 203.
7. WALL PANEL MANUFACTURER'S PERMANENT LABEL SHALL BE PLACED AT THE END OF EACH PANEL RUN AND SHALL READ: NUCOR BUILDING SYSTEMS SWANSEA, SOUTH CAROLINA MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED
8. ALL SCREWS SHALL BE CORROSION RESISTANT SCREWS.
9. THE SUPPORTING STRUCTURE, OVER WHICH THE PANELS ARE TO BE INSTALLED, MUST BE MINIMUM 16 GAGE (MIN. 0.063") STEEL WITH MIN. Fy = 50 KSI.
10. MAXIMUM POSITIVE AND NEGATIVE DESIGN LOADS FOR 24 GA. REVERSE CLASSIC IN THE WALL FIELD AND CORNER ZONES SHALL BE THE LOWEST PRESSURE CALCULATED BASED ON THE PANEL ALLOWABLES. MAXIMUM ALLOWABLE DEFLECTION LIMIT = L/240.

M (SUPPORT) (lb.ft/ft)	120
M (SPAN) (lb.ft/ft)	96
REACTION (lb/ft)	253
EI (lb.in ³ /ft)	955337

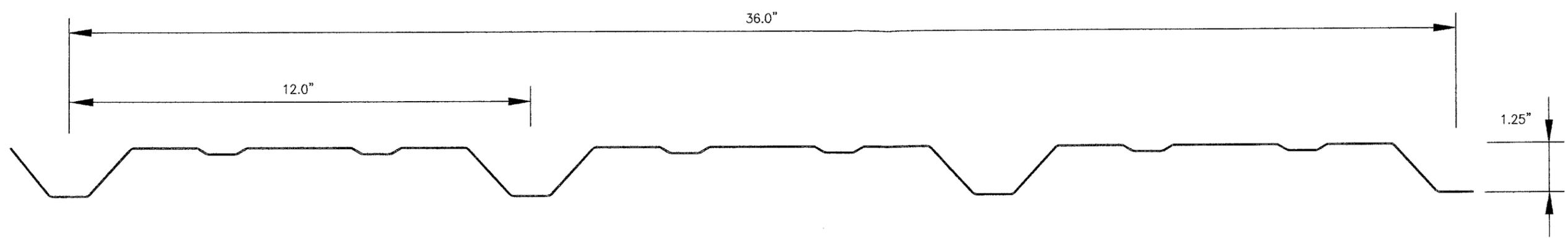
PRODUCT APPROVAL IS LIMITED TO THE WALL PANEL & ITS CONNECTING FASTENERS. THE STRUCTURAL ADEQUACY OF ALL OTHER STRUCTURAL ITEMS (BEAMS, COLUMNS, GIRTS, FACIA SUPPORTS, CONNECTIONS OF STRUCTURE, ETC.) SHALL BE VERIFIED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT. THE METAL WALL PANELS SHALL NOT BE DESIGNED TO ACT AS A DIAPHRAGM.

Approved as complying with the Florida Building Code
 Date: 06/21/2007
 NOA# 06-1116-05
 Miami Dade Product Control
 Division
 By: *Helmut A. Nelson*

DRAWN BY: B.S.	CHECKED BY: A.B.	
DATE: 5.16.07	DATE: 11/1/06	
REVISION DESCRIPTION	BY	DATE
1 REVISE SUP. THICKNESS	B.S.	5.16.07
2 ADD Fy = 100 KSI (MIN)	B.S.	5.16.07
DRAWING TITLE REVERSE CLASSIC, 24 GAGE STRUCTURAL STEEL WALL SYSTEM		
CONSULTANTS BALA SOCKALINGAM, PH.D., P.E.		
MANUFACTURER NUCOR BUILDING SYSTEMS 200 WHEATSTONE ROAD SWANSEA, SC 29160 803-568-2100		
6717 S. YALE AVE, SUITE 200 TULSA, OK 74136 PHONE: 918-492-5992 FAX: 918-493-3568		
CERTIFICATION	5.16.07	
BALA SOCKALINGAM, P.E. P.E. NO. 62240		
DRAWING NO. 1445	REV. A	
SHEET NO. 1 OF 2		

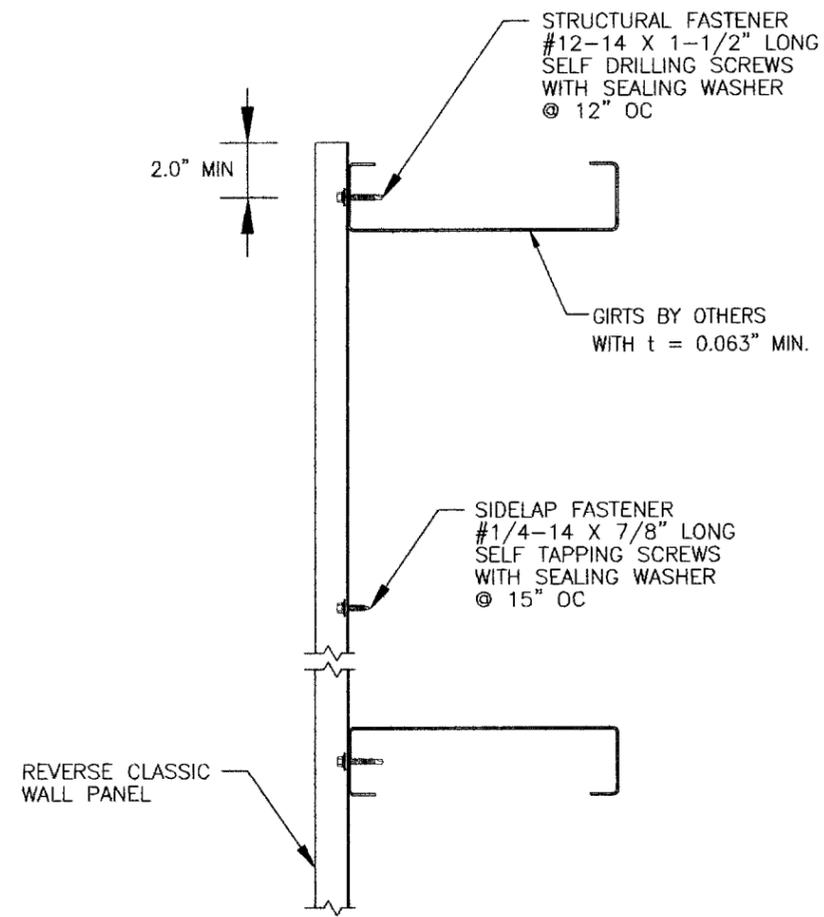
NO.	REVISION DESCRIPTION	BY	DATE
1	REVISE SUP. THICKNESS	B.S.	5.16.07
2	REVISE TITLES	B.S.	5.16.07

DRAWING TITLE		REVERSE CLASSIC, 24 GAGE STRUCTURAL STEEL WALL SYSTEM	
CONSULTANTS		BALA SOCKALINGAM, PH.D., P.E.	
MANUFACTURER		NUCOR BUILDING SYSTEMS 200 WHETSTONE ROAD SWANSEA, SC 29160 803-568-2100	
DATE		5.16.07	
DRAWN BY		B.S.	
CHECKED BY		A.B.	
PLOT		DATE: 11/1/06	

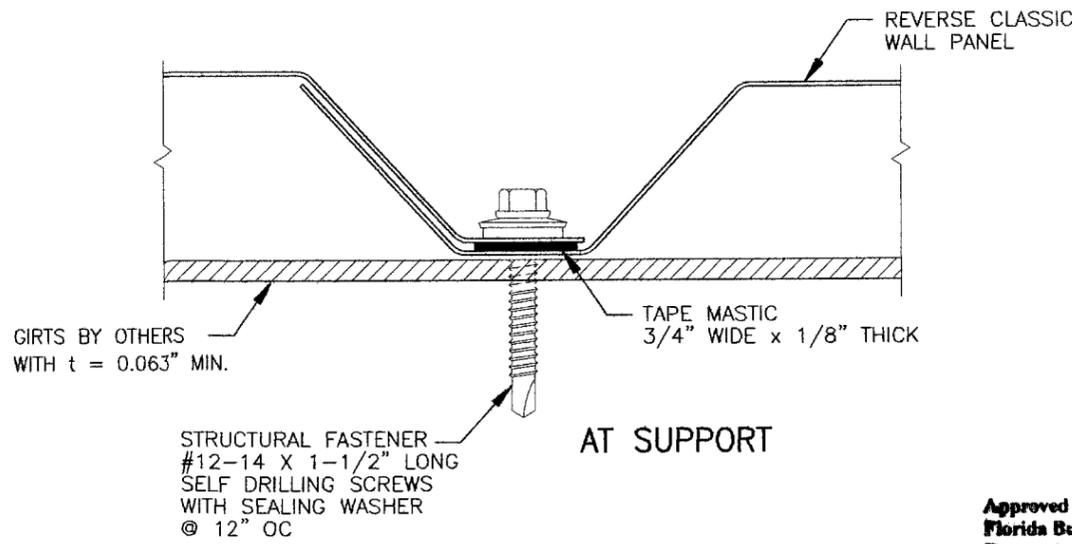


TYPICAL PANEL PROFILE

24 GA. ALUMINUM/ZINC COATED STEEL WITH PAINTED FINISH



**SECTION B-B
TYPICAL EXTERIOR WALL ELEVATION**



**SECTION C-C
PANEL SIDELAP**

Approved as complying with the Florida Building Code
 Date: 06/21/2007
 NOA# 06-1116.05
 Miami Code Product Control
 Division
 By: *Helmy A. M. ...*

CERTIFICATION	DATE
<i>[Signature]</i>	5.16.07
BALA SOCKALINGAM, P.E. P.E. NO. 62240	

DRAWING NO.	REV.
1445	A
SHEET NO.	
2 OF 2	