



**BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)  
BOARD AND CODE ADMINISTRATION DIVISION**

**MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION**  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

**NOTICE OF ACCEPTANCE (NOA)**

[www.miamidade.gov/building](http://www.miamidade.gov/building)

**Crane Plastic Siding, LLC dba Exterior Portfolio**  
1441 Universal Road  
Columbus, OH 43207

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County BNC - Product Control Section 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 Section (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. BNC reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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: Vinyl Siding and Soffit**

**APPROVAL DOCUMENT:** Drawing No. **08-01056**, titled "Siding and Soffit, Extruded Rigid PVC" sheets 1 through 5 of 5, dated 07/26/10, with revision A dated 04/19/11, prepared by Exterior Portfolio by Crane, signed and sealed by Luis R. Lomas, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, City, State, and 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 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*[Handwritten Signature]*  
05/17/11

NOA No. 11-0223.16  
Expiration Date: May 26, 2016  
Approval Date: May 26, 2011  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **08-01056**, titled "Siding and Soffit, Extruded Rigid PVC" sheets 1 through 5 of 5, dated 07/26/10, with revision A dated 04/19/11, prepared by Exterior Portfolio by Crane, signed and sealed by Luis R. Lomas, P.E.

**B. TESTS**

	<b>Test Report No.</b>	<b>Standard</b>	<b>Date</b>	<b>Signature</b>
1.	98951.01-109-18	TAS 202 and 203	05/20/10	Michael D. Stremmel, P.E.
2.	98951.02-109-18	TAS 202 and 203	05/20/10	Michael D. Stremmel, P.E.
3.	98951.03-109-18	TAS 202 and 203	05/20/10	Michael D. Stremmel, P.E.
4.	98952.01-109-18	TAS 202 and 203	05/20/10	Michael D. Stremmel, P.E.
5.	98952.02-109-18	TAS 202 and 203	05/20/10	Michael D. Stremmel, P.E.
6.	98953.01-109-18	TAS 202 and 203	05/20/10	Michael D. Stremmel, P.E.
7.	98953.02-109-18	TAS 202 and 203	05/20/10	Michael D. Stremmel, P.E.
8.	98955.01-109-18	TAS 202 and 203	06/14/10	Michael D. Stremmel, P.E.
9.	A4167.01-106-18	ASTM E84-10, D2843-99 (2004)	01/31/11	Joseph A. Reed, P.E.
10.	A0417.01-106-18	ASTM D3679-05, D696-08, D635-03, G155-04, D638-03, D1929-96 (2000)e01	03/01/11	Joseph A. Reed, P.E.

**C. CALCULATIONS:**

1. Anchor verification calculations, complying with FBC-2007, dated 07/28/10 and 04/20/11, prepared, signed and sealed by Luis R. Lomas, P.E.

**D. QUALITY ASSURANCE**

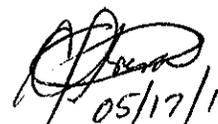
1. Miami-Dade Building and Neighborhood Compliance Department (BNC)

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Statement letter of code conformance with FBC 2007 and no financial interest, dated 08/09/10, signed and sealed by Luis R. Lomas, P.E.
2. Laboratory compliance letters for test reports listed on section B above.

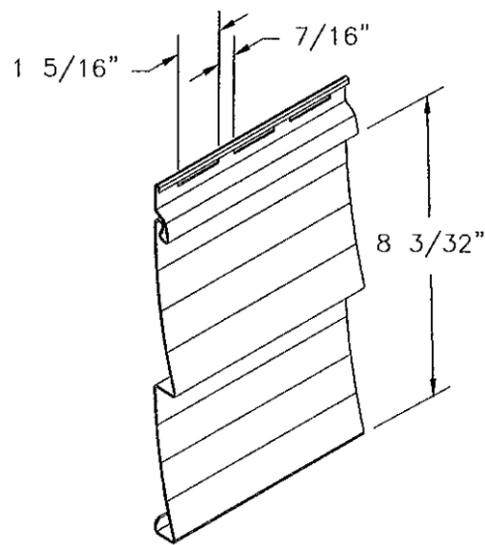


05/17/11

---

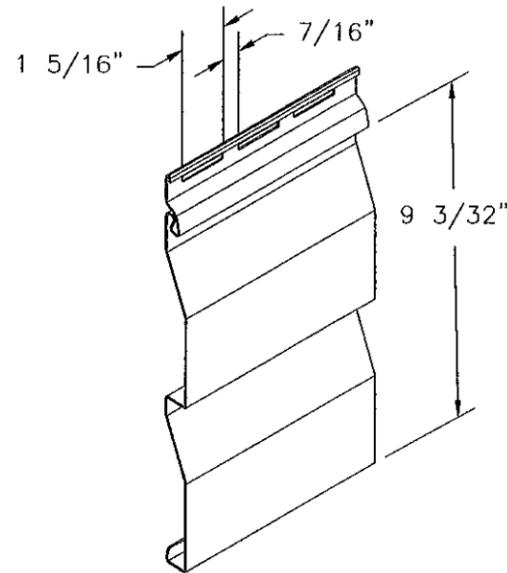
Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 11-0223.16  
Expiration Date: May 26, 2016  
Approval Date: May 26, 2011

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER MARKED UP DRAWINGS FROM DADE	04/19/11	R.L.



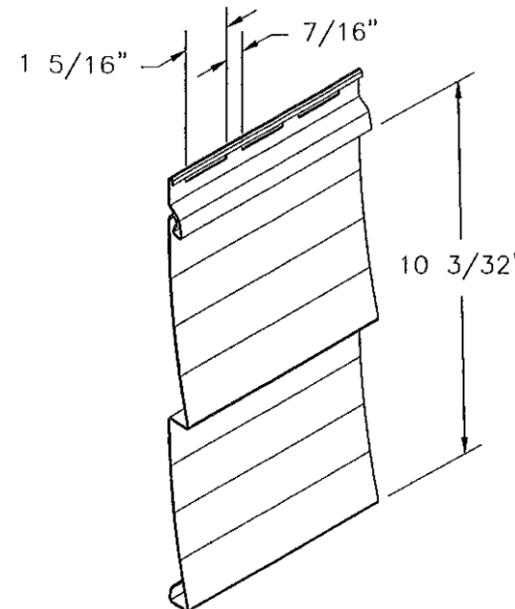
① MARKET SQUARE  
D4STD VINYL SIDING  
WITH J-CHANNEL ITEM #9

DESIGN PRESSURE RATING	IMPACT RATING
±45PSF	LARGE AND SMALL MISSILE IMPACT



② MARKET SQUARE  
D45DLSTD VINYL SIDING  
WITH J-CHANNEL ITEM #9

DESIGN PRESSURE RATING	IMPACT RATING
±45PSF	LARGE AND SMALL MISSILE IMPACT



③ MARKET SQUARE  
D5STD VINYL SIDING  
WITH J-CHANNEL ITEM #9

DESIGN PRESSURE RATING	IMPACT RATING
±40PSF	LARGE AND SMALL MISSILE IMPACT

NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
- SHEATHING OVER WOOD FRAMING AND MASONRY/CONCRETE WALLS TO BE DESIGNED BY OTHERS. FRAMING, MASONRY/CONCRETE WALL AND SHEATHING ARE THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- SIDING AND SOFFIT MATERIAL: EXTRUDED RIGID PVC.
- FOR ANCHORING SIDING INTO 5/8" THICK SHEATHING OR 1X MINIMUM FURRING STRIPS USE ELECTRO-GALVANIZED ROOFING NAILS WITH 1/8" SHANK, 3/8" HEAD OR #6 WOOD SCREW AND 3/4" x 1/16" WASHER. NAIL OR WOOD SCREW TO BE OF SUFFICIENT LENGTH TO ACHIEVE A 5/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. SEE CHARTS SHEET 1 FOR ANCHOR SPACING.
- FOR ANCHORING SOFFIT INTO FURRING STRIPS USE ELECTRO-GALVANIZED ROOFING NAILS WITH 1/8" SHANK, 3/8" HEAD AND 3/4" x 1/16" WASHER. NAIL TO BE OF SUFFICIENT LENGTH TO ACHIEVE A 5/8" MINIMUM EMBEDMENT INTO SUBSTRATE. ANCHORS TO BE INSTALLED AT EACH SOFFIT PANEL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- ALL FASTENERS TO BE CORROSION RESISTANT.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
  - SHEATHING: 5/8" MINIMUM THICKNESS WITH MINIMUM SPECIFIC GRAVITY OF G=0.5.
  - FURRING STRIP: 1X MINIMUM WITH MINIMUM SPECIFIC GRAVITY OF G=0.50.

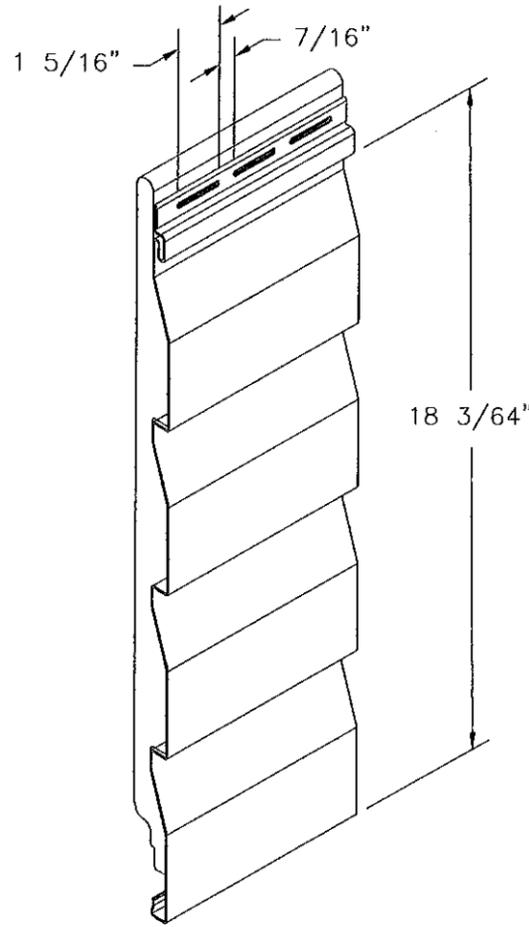
Product name	Maximum siding anchor spacing based on design pressure using roofing nail (in)							
	±25psf	±30psf	±35psf	±40psf	±45psf	±50psf	±55psf	±60psf
① D4STD	16.00	16.00	14.80	12.90	11.50	-	-	-
② D45DLSTD	16.00	15.30	13.10	11.50	10.20	-	-	-
③ D5STD	16.00	13.80	11.80	10.30	-	-	-	-
④ TMQ45IP	8.00	7.70	6.60	5.80	5.10	4.60	-	-
⑤ TMQ4IP	8.00	8.00	7.40	6.50	5.80	5.20	-	-
⑥ TMT6IP	8.00	7.70	6.60	5.80	5.10	4.60	-	-
⑦ TMD7IP	8.00	8.00	8.00	7.40	6.60	5.90	5.40	4.90

Product name	Maximum siding anchor spacing based on design pressure using #6 wood screw (in)							
	±25psf	±30psf	±35psf	±40psf	±45psf	±50psf	±55psf	±60psf
① D4STD	16.00	16.00	16.00	16.00	16.00	-	-	-
② D45DLSTD	16.00	16.00	16.00	16.00	16.00	-	-	-
③ D5STD	16.00	16.00	16.00	16.00	-	-	-	-
④ TMQ45IP	8.00	8.00	8.00	8.00	8.00	8.00	-	-
⑤ TMQ4IP	8.00	8.00	8.00	8.00	8.00	8.00	-	-
⑥ TMT6IP	8.00	8.00	8.00	8.00	8.00	8.00	-	-
⑦ TMD7IP	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1 - 2	SIDING AND SOFFIT PROFILES, CHARTS AND NOTES
3	BILL OF MATERIALS AND COMPONENTS
4 - 5	INSTALLATION DETAILS

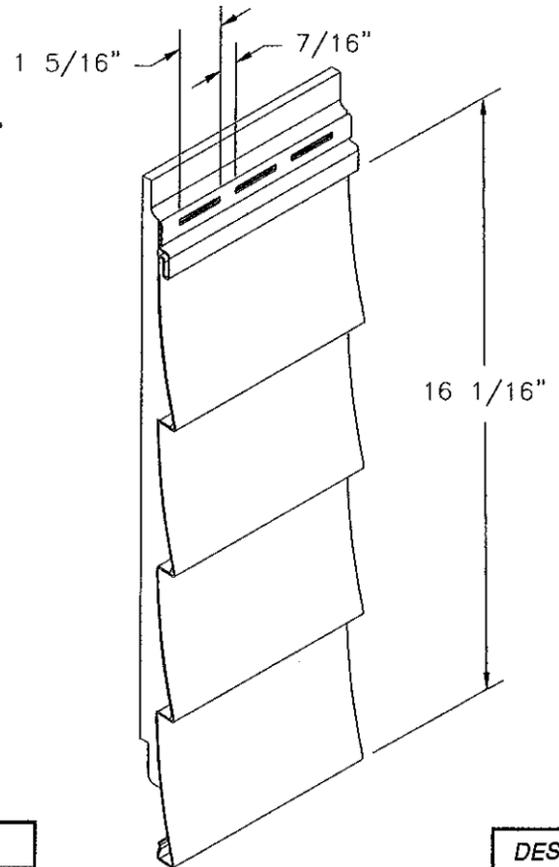
Approved as complying with the Florida Building Code Date 05/26/2011 NOAH II-0223.16 Miami Dade Product Control By <i>[Signature]</i>	<b>EXTERIOR PORTFOLIO BY CRANE</b> 1441 UNIVERSAL RD. COLUMBUS, OH 43216		
	SIDING AND SOFFIT EXTRUDED RIGID PVC SIDING PROFILES, INSTALLATION CHARTS AND NOTES		
DRAWN: TJH	DWG NO. 08-01056	REV A	
SCALE NTS	DATE 07/26/10	SHEET 1 OF 5	

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER MARKED UP DRAWINGS FROM DADE	04/19/11	R.L.



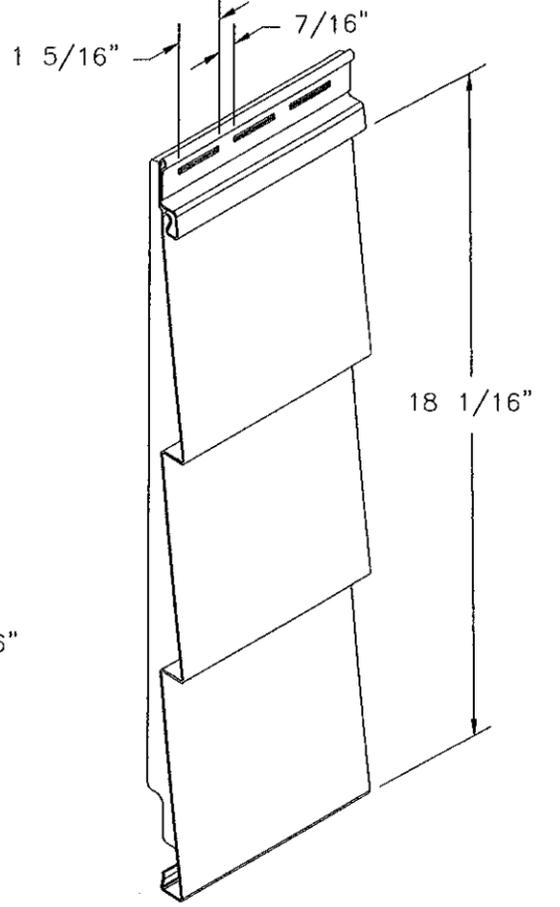
④ ORACLE TMQ45IP  
FOAM BACKED VINYL SIDING  
WITH J-CHANNEL ITEM #8

DESIGN PRESSURE RATING	IMPACT RATING
±50PSF	LARGE AND SMALL MISSILE IMPACT



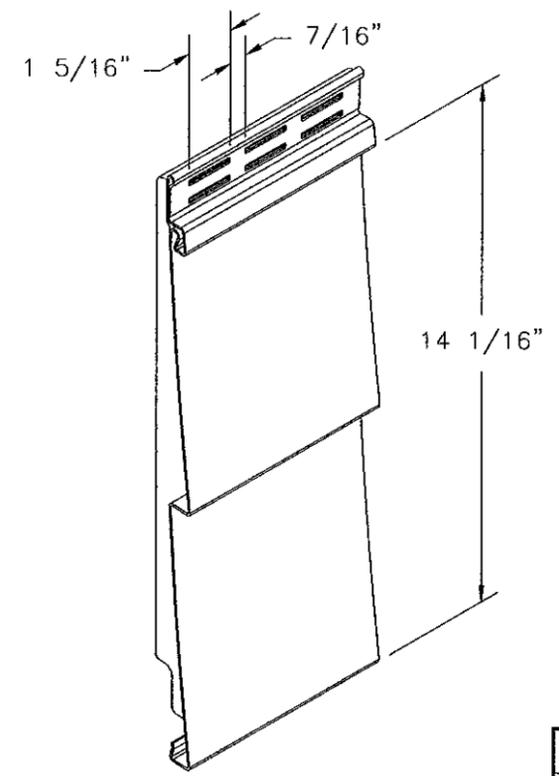
⑤ ORACLE TMQ4IP  
FOAM BACKED VINYL SIDING  
WITH J-CHANNEL ITEM #8

DESIGN PRESSURE RATING	IMPACT RATING
±50PSF	LARGE AND SMALL MISSILE IMPACT



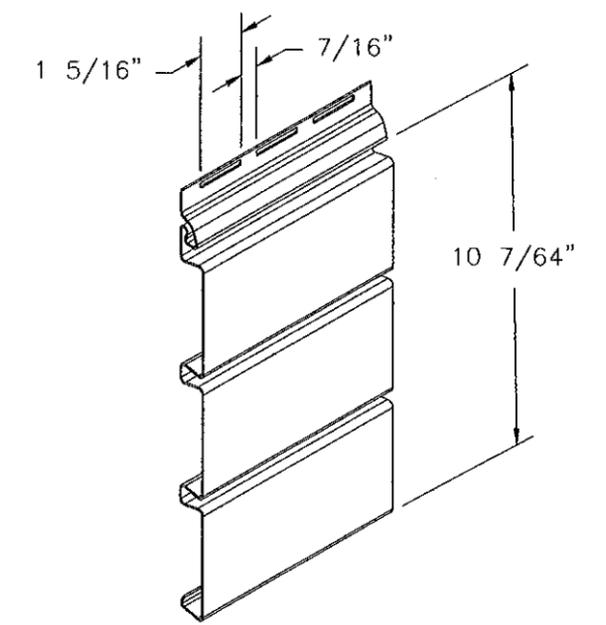
⑥ CRANEBOARD TMT6IP  
FOAM BACKED VINYL SIDING  
WITH J-CHANNEL ITEM #8

DESIGN PRESSURE RATING	IMPACT RATING
±50PSF	LARGE AND SMALL MISSILE IMPACT



⑦ CRANEBOARD TMD7IP  
FOAM BACKED VINYL SIDING  
WITH J-CHANNEL ITEM #8

DESIGN PRESSURE RATING	IMPACT RATING
±60PSF	LARGE AND SMALL MISSILE IMPACT



⑧ SOFFIT  
PPSS/PPVS VINYL SOFFIT  
WITH J-CHANNEL ITEM #8

DESIGN PRESSURE RATING	IMPACT RATING
±50PSF	LARGE AND SMALL MISSILE IMPACT

Approved as complying with the  
Florida Building Code  
Date 05/26/2011  
NOAH 11-0223-16  
Miami Dade Product Control  
By *[Signature]*

EXTERIOR PORTFOLIO BY CRANE  
1441 UNIVERSAL RD.  
COLUMBUS, OH 43216

SIDING AND SOFFIT  
EXTRUDED RIGID PVC  
SIDING AND SOFFIT PROFILES

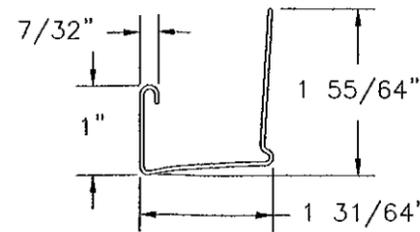
DRAWN: TJH	DWG NO. 08-01056	REV A
SCALE NTS	DATE 07/26/10	SHEET 2 OF 5

*[Signature]*  
5/10/11  
Luis R. Lomas P.E.  
Florida No. 62514

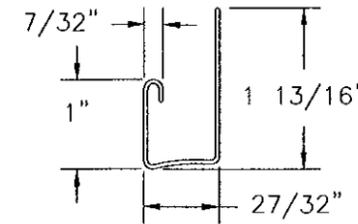
PARTS LIST

NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	D4STD SIDING	MARKET SQUARE HOLLOW BACK	EXTERIOR PORTFOLIO	EXTRUDED PVC
2	D45DLSTD SIDING	MARKET SQUARE HOLLOW BACK	EXTERIOR PORTFOLIO	EXTRUDED PVC
3	D5STD	MARKET SQUARE HOLLOW BACK	EXTERIOR PORTFOLIO	EXTRUDED PVC
4	TMQ45IP SIDING	ORACLE EPS FOAM BACKED	EXTERIOR PORTFOLIO	EXTRUDED PVC
5	TMQ4IP SIDING	ORACLE EPS FOAM BACKED	EXTERIOR PORTFOLIO	EXTRUDED PVC
6	TMT6IP SIDING	CRANEBOARD EPS FOAM BACKED	EXTERIOR PORTFOLIO	EXTRUDED PVC
7	TMD7IP SIDING	CRANEBOARD EPS FOAM BACKED	EXTERIOR PORTFOLIO	EXTRUDED PVC
8	PPSS/PPVS SOFFIT	SOFFIT HOLLOW BACK	EXTERIOR PORTFOLIO	EXTRUDED PVC
9	118JN	J-CHANNEL	EXTERIOR PORTFOLIO	EXTRUDED PVC
10	1JNU	J-CHANNEL	EXTERIOR PORTFOLIO	EXTRUDED PVC
11		STARTER STRIP	EXTERIOR PORTFOLIO	EXTRUDED PVC

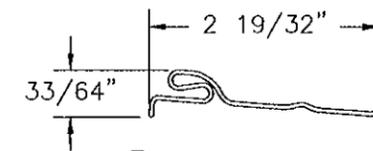
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER MARKED UP DRAWINGS FROM DADE	04/19/11	R.L.



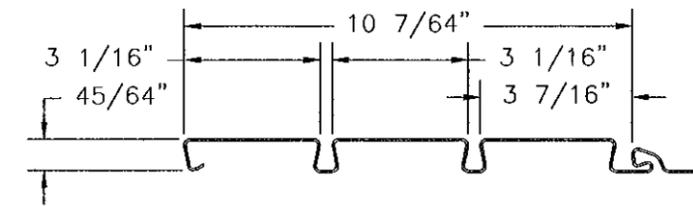
9 118JN J-CHANNEL  
EXTRUDED PVC .045" THICK



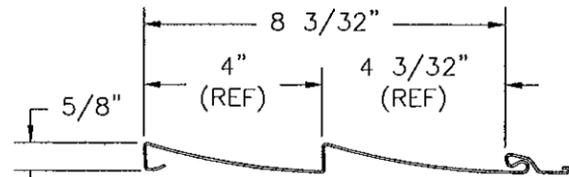
10 1JNU J-CHANNEL  
EXTRUDED PVC .045" THICK



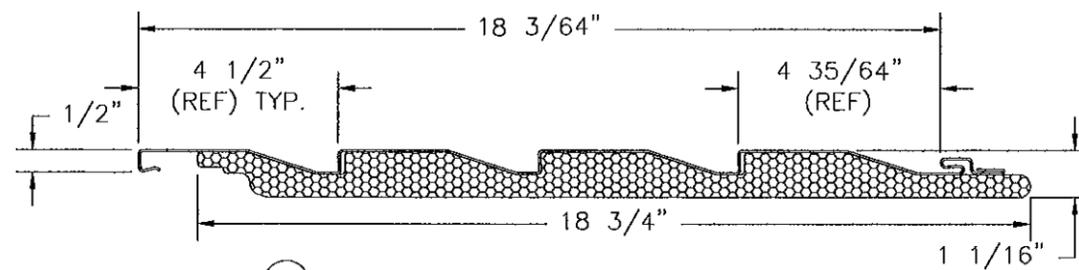
11 STARTER STRIP  
EXTRUDED PVC .039" THICK



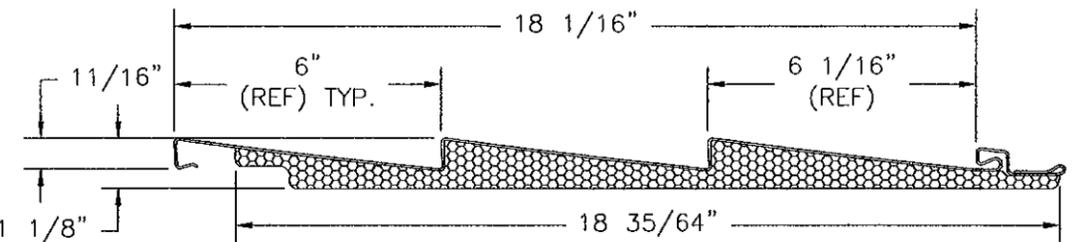
8 PPSS/PPVS VINYL SOFFIT  
EXTRUDED PVC .042" THICK



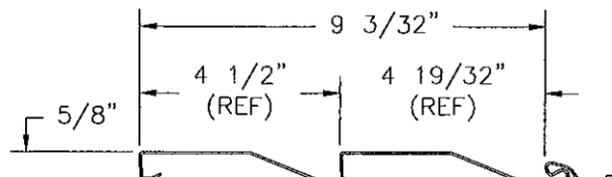
1 MARKET SQUARE  
D4STD VINYL SIDING  
EXTRUDED PVC .044" THICK



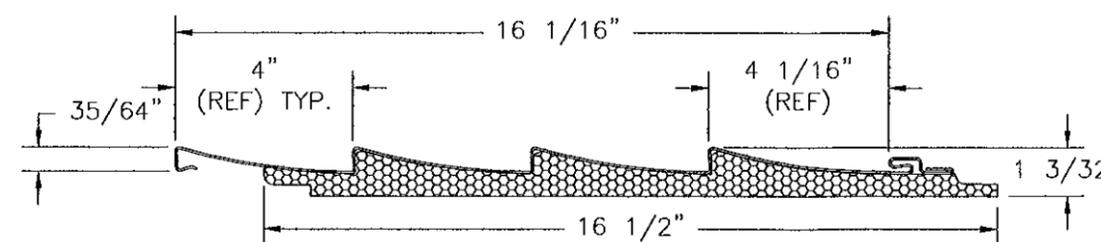
4 ORACLE TMQ45IP VINYL SIDING  
EXTRUDED PVC .044" THICK  
W/LAMINATED EPS FOAM 1" MAX. THICK  
THERMAL RESISTANCE .67(3.72) Km2 / W (Ft2h/Btu)



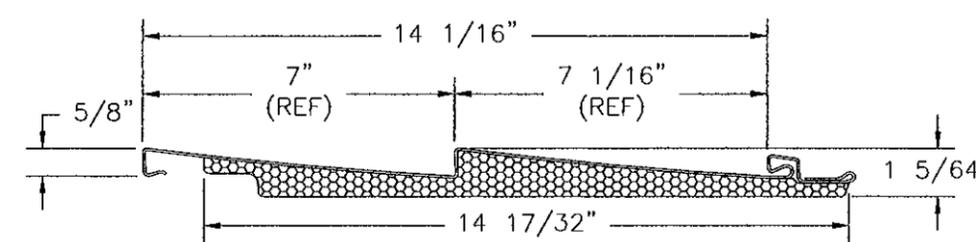
6 CRANEBOARD TMT6IP VINYL SIDING  
EXTRUDED PVC .047" THICK  
W/LAMINATED EPS FOAM 1" MAX. THICK  
THERMAL RESISTANCE .67(3.72) Km2 / W (Ft2h/Btu)



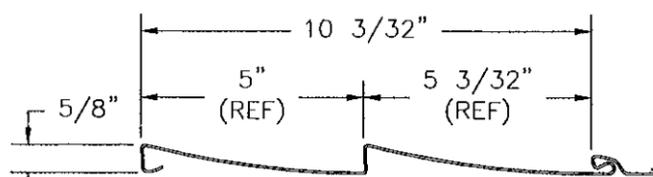
2 MARKET SQUARE  
D45DLSTD VINYL SIDING  
EXTRUDED PVC .044" THICK



5 ORACLE TMQ4IP VINYL SIDING  
EXTRUDED PVC .044" THICK  
W/LAMINATED EPS FOAM 1" MAX. THICK  
THERMAL RESISTANCE .67(3.72) Km2 / W (Ft2h/Btu)



7 CRANEBOARD TMD7IP VINYL SIDING  
EXTRUDED PVC .047" THICK  
W/LAMINATED EPS FOAM 1" MAX. THICK  
THERMAL RESISTANCE .67(3.72) Km2 / W (Ft2h/Btu)



3 MARKET SQUARE  
D5STD VINYL SIDING  
EXTRUDED PVC .044" THICK

Approved as complying with the Florida Building Code Date 05/26/2011 NOAH 11-0223.16 Miami Dade Product Control By <i>[Signature]</i>	EXTERIOR PORTFOLIO BY CRANE 1441 UNIVERSAL RD. COLUMBUS, OH 43216		<i>[Signature]</i> 5/10/11 Luis R. Thomas P.E. Florida No. 62514
	SIDING AND SOFFIT EXTRUDED RIGID PVC BILL OF MATERIALS AND COMPONENTS		
DRAWN: TJH	DWG NO. 08-01056	REV A	Luis R. Thomas P.E. Florida No. 62514
SCALE NTS	DATE 07/26/10	SHEET 3 OF 5	

5/8" MIN. SHEATHING  
BY OTHERS, SEE NOTES  
2 AND 8 SHEET 1

5/8" MIN.  
EMBEDMENT

2X FRAMING OR 1X  
FURRING STRIPS BY OTHERS  
SEE NOTE 2 SHEET 1

INSTALLATION ANCHOR AND  
WASHER SEE NOTE 5  
AND CHARTS SHEET 1

WATER RESISTANT BARRIER  
PER FBC 1404.2

SIDING, SEE SHEETS  
1, 2 AND 3

INSTALLATION ANCHOR AND  
WASHER SEE NOTE 5  
AND CHARTS SHEET 1

EXTERIOR

INTERIOR

INSTALLATION ANCHOR AND  
WASHER SEE NOTE 5  
AND CHARTS SHEET 1

SIDING, SEE SHEETS  
1, 2 AND 3

INSTALLATION ANCHOR AND  
WASHER SEE NOTE 5  
AND CHARTS SHEET 1

STARTER STRIP  
SEE SHEET 3

**SIDING INSTALLATION DETAIL**  
5/8" SHEATHING OVER 2X WOOD FRAMING

TRUSS/RAFTER  
BY OTHERS

ROOFING SHEATHING  
BY OTHERS

FURRING STRIP ANCHOR  
10d NAIL 24" MAX. O.C.;

FURRING STRIP ANCHOR  
10d NAIL 24" MAX. O.C.;

1X FURRING STRIP  
SEE NOTE 8  
SHEET 1, TYPICAL

FASCIA  
BY OTHERS

ROOFING NAIL, SEE  
NOTE 6 SHEET 1

12" MAXIMUM OVERHANG

2 1/4" MIN.  
EMBEDMENT

EXTERIOR

INTERIOR

**SOFFIT INSTALLATION DETAIL**  
2X WOOD FRAMING OR 1X FURRING STRIP

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER MARKED UP DRAWINGS FROM DADE	04/19/11	R.L.

Approved as complying with the  
Florida Building Code  
Date 05/26/2011  
NOAH 11-0223, 16  
Miami Dade Product Control

By *[Signature]*

EXTERIOR PORTFOLIO BY CRANE

1441 UNIVERSAL RD.  
COLUMBUS, OH 43216

SIDING AND SOFFIT  
EXTRUDED RIGID PVC  
INSTALLATION DETAIL

DRAWN:

TJH

DWG NO.

08-01056

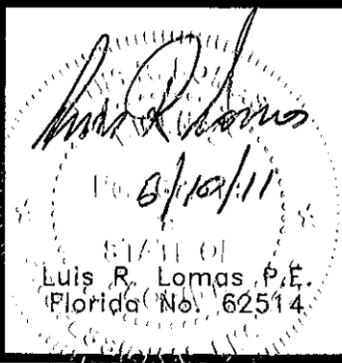
REV

A

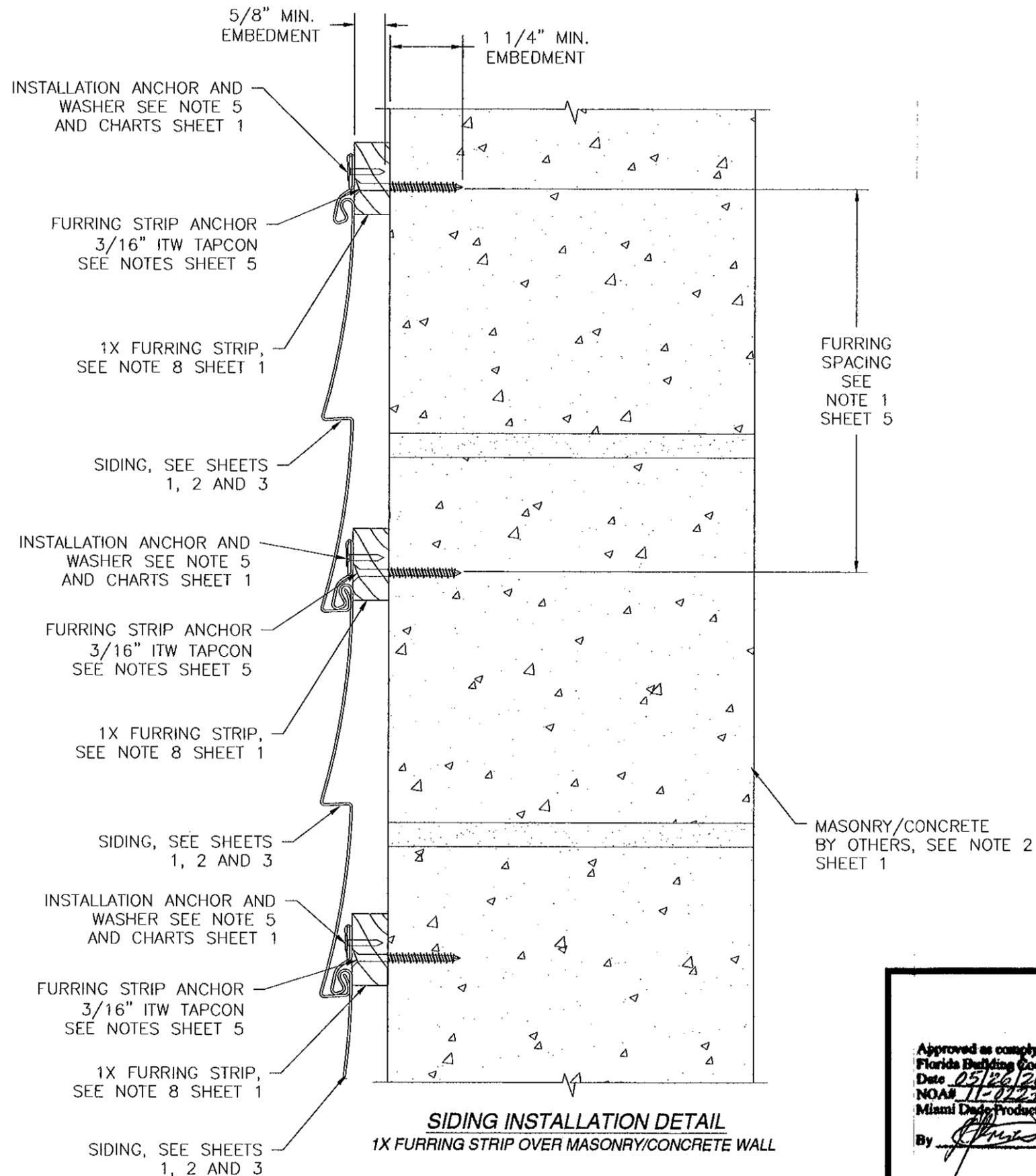
SCALE NTS

DATE 07/26/10

SHEET 4 OF 5



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER MARKED UP DRAWINGS FROM DADE	04/19/11	R.L.



- FURRING INSTALLATION NOTES:
- 1) FURRING SPACING TO BE DETERMINED BY HEIGHT OF SIDING TO BE INSTALLED.
  - 2) INSTALL FURRING STRIPS INTO MASONRY WALL USING 3/16" ITW TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE 1 1/4" MINIMUM EMBEDMENT.
  - 3) FOR SIDING 1, 2, AND 3 LOCATE TAPCONS 4" FROM CORNER OF BUILDING AND 24" MAX. O.C. THEREAFTER.
  - 4) FOR SIDING 4, 5, 6, AND 7 LOCATE TAPCONS 4" FROM CORNER OF BUILDING AND 15" MAX O.C. THEREAFTER.

Approved as complying with the Florida Building Code  
 Date 05/26/2011  
 NOA# 11-0223-16  
 Miami Dade Product Control  
 By *[Signature]*

**EXTERIOR PORTFOLIO BY CRANE**

1441 UNIVERSAL RD.  
 COLUMBUS, OH 43216

SIDING AND SOFFIT  
 EXTRUDED RIGID PVC  
 INSTALLATION DETAIL

DRAWN: TJH	DWG NO. 08-01056	REV. A
SCALE NTS	DATE 07/26/10	SHEET 5 OF 5

*[Signature]*  
 5/10/11  
 Luis R. Lomas P.E.  
 Florida No. 62514