



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Raynor Garage Doors
1101 East River Road, P.O. Box 448
Dixon, IL 61021

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 RER-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. RER 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: Showcase / Masterpiece / TC200 Steel Sectional Garage Door up to 9'-0" Wide

APPROVAL DOCUMENT: Drawing No. P-3305, titled "Spec. Wind Load Showcase / Masterpiece / TC200", sheets 1 through 3 of 3, dated 07/31/2007, with last revision B dated 08/29/2008, prepared by Raynor Garage Doors, signed and sealed by Richard A. Baumann, P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: A permanent label with the manufacturer's name or logo, manufacturing address, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

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 # 12-0517.11 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



[Signature]
10/30/2013

NOA No. 13-0829.15
Expiration Date: December 11, 2018
Approval Date: November 7, 2013
Page 1

Raynor Garage Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS “Submitted under NOA # 08-0709.12”

1. Drawing No. **P-3305**, titled “Spec. Wind Load Showcase / Masterpiece / TC200”, sheets 1 through 3 of 3, dated 07/31/2007, with last revision B dated 08/29/2008, prepared by Raynor Garage Doors, signed and sealed by Richard A. Baumann, P.E.

B. TESTS “Submitted under NOA # 10-0420.03”

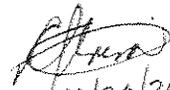
1. Test report on Forced Entry Resistance Test, per FBC 2411 3.2.1, TAS 202-94 of two 16’x 7’ Sectional Garage Doors, prepared by Hurricane Test Laboratory, LLC, Test Report No. **G493-0706-10**, dated 08/10/2010, signed and sealed by Vinu J. Abraham, P.E.

“Submitted under NOA # 08-0709.12”

2. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
Along with marked-up drawings and installation diagram of a 9’x Showcase / Masterpiece / TC200 Sectional Steel Garage Door, prepared by Hurricane Test Laboratory, LLC, Test Report No. **G493-0205-08**, dated 03/12/2008, signed and sealed by Vinu J. Abraham, P.E.
3. Test report on Tensile Test per ASTM E8, of steel sheet, prepared by Certified Testing Laboratories, Test Report No. **0156Q**, dated 04/01/2008, signed and sealed by Ramesh Patel, P.E.
4. Test report on Salt Spray per ASTM B117 of painted G40 galvanized painted steel, prepared by Wendler Engineering Services, Inc., dated 09/25/2008, signed and sealed by Richard A. Baumann, P.E.

C. CALCULATIONS “Submitted under NOA # 08-0709.12”

1. Jamb attachment verification calculations, prepared by Wendler Engineering Services, Inc., dated 05/16/2008, signed and sealed by Richard A. Baumann, P.E.



10/30/2013

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 13-0829.15
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D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

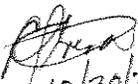
E. MATERIAL CERTIFICATIONS

1. Test report on Surface Burning Characteristics, per ASTM E84 of Type IX EPS, Report No. **3147467SAT-001**, prepared by Intertek Testing Services, NA, Inc., dated 04/10/2008, signed by Chris Bowness, P.E.
2. Test report on Self-Ignition Temperature per ASTM D1929 of Type IX EPS, prepared by Intertek Testing Services, NA, Test Report No. **3147467SAT-002**, dated 05/26/2006, signed by Chris Bowness, P.E.
3. Notice of Acceptance No. **11-0926.07**, issued to Dyplast Products LLC., for their EPS Block Type Insulation, approved on 11/10/2011, and expiring on 01/11/2017.

F. STATEMENTS

1. Statement letter of code conformance to 2010 FBC, issued by Wendler Engineering Services, Inc., dated 08/26/2013, signed and sealed by Richard A. Baumann, P.E.

"Submitted under NOA # 08-0709.12"
2. Statement letter of no financial interest issued by Wendler Engineering Services, Inc., dated 05/19/2008, signed and sealed by Richard A. Baumann, P.E.

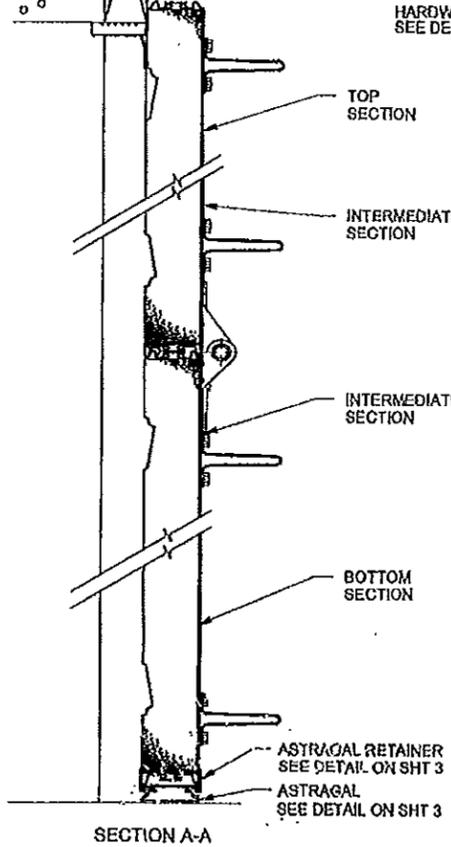
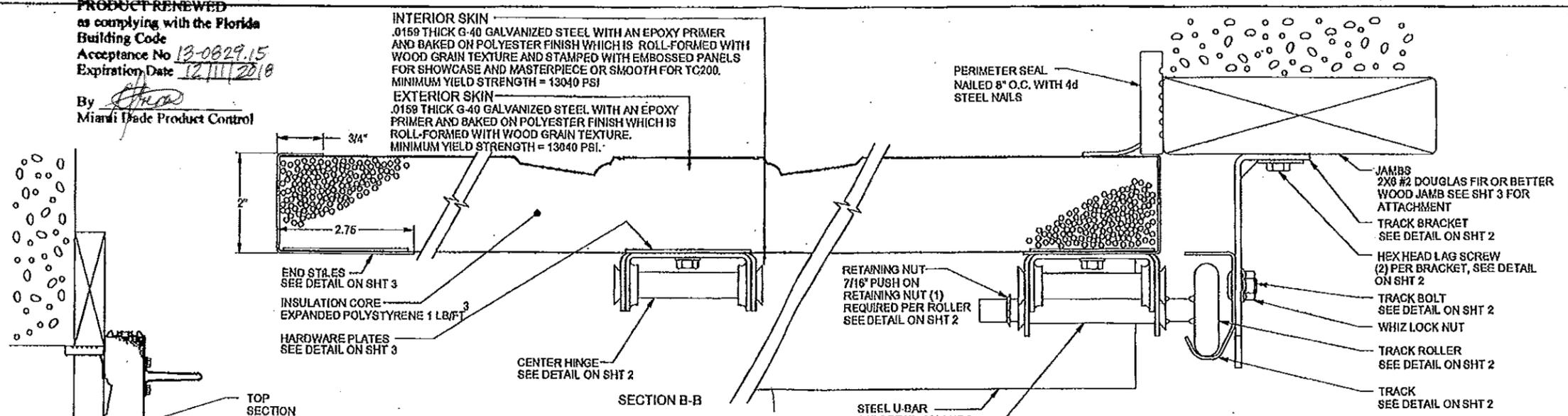

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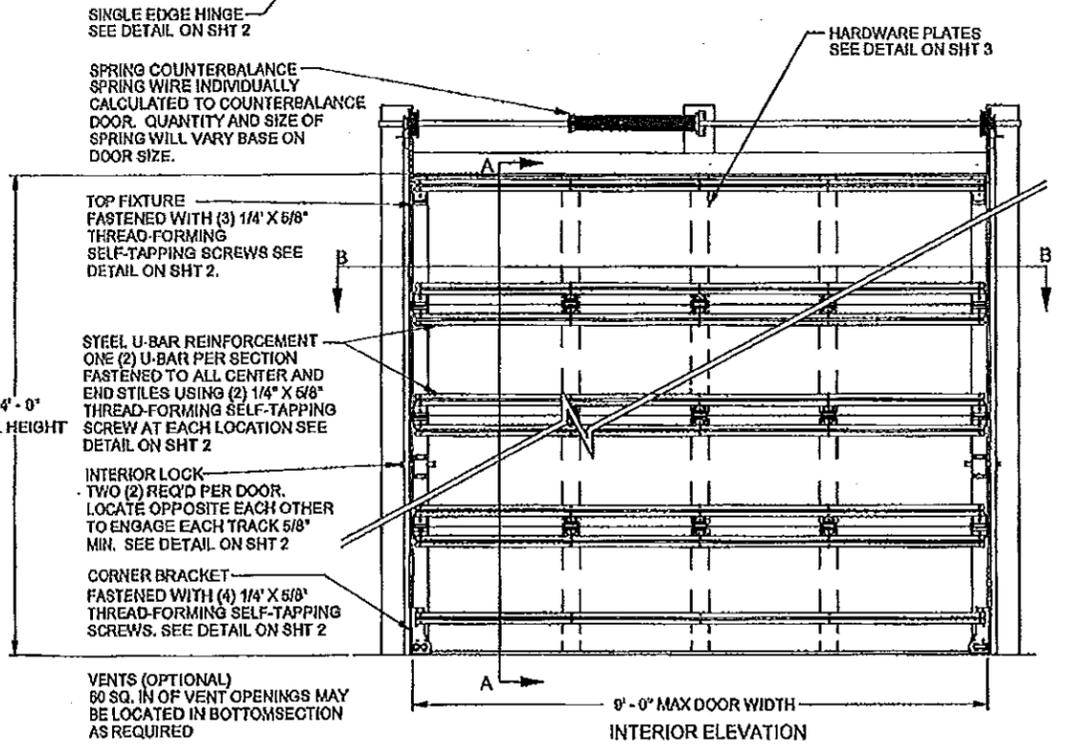
PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No 13-0829.15
 Expiration Date 12/11/2018
 By [Signature]
 Miami Trade Product Control

INTERIOR SKIN
 .0159 THICK G-40 GALVANIZED STEEL WITH AN EPOXY PRIMER
 AND BAKED ON POLYESTER FINISH WHICH IS ROLL-FORMED WITH
 WOOD GRAIN TEXTURE AND STAMPED WITH EMBOSSED PANELS
 FOR SHOWCASE AND MASTERPIECE OR SMOOTH FOR TC200.
 MINIMUM YIELD STRENGTH = 13040 PSI

EXTERIOR SKIN
 .0159 THICK G-40 GALVANIZED STEEL WITH AN EPOXY
 PRIMER AND BAKED ON POLYESTER FINISH WHICH IS
 ROLL-FORMED WITH WOOD GRAIN TEXTURE.
 MINIMUM YIELD STRENGTH = 13040 PSI.



DOOR HEIGHT	SECTION HEIGHTS							
	#1	#2	#3	#4	#5	#6	#7	#8
6'-0"	19 1/2"	19 1/2"	19 1/2"	19 1/2"	21"	21"	21"	21"
6'-8"	21"	19 1/16"	19 1/16"	21"	21"	21"	21"	21"
6'-9"	21"	19 1/2"	19 1/2"	21"	21"	21"	21"	21"
7'-0"	21"	21"	21"	21"	21"	21"	21"	21"
7'-6"	24"	21"	24"	21"	21"	21"	21"	21"
8'-0"	19 1/16"	19 1/16"	19 1/16"	19 1/16"	19 1/16"	21"	21"	21"
8'-6"	21"	19 1/2"	21"	19 1/2"	21"	21"	21"	21"
9'-0"	24"	21"	21"	21"	21"	21"	21"	21"
9'-6"	21"	21"	24"	21"	24"	21"	24"	21"
10'-0"	21"	19 1/2"	19 1/2"	19 1/2"	19 1/2"	21"	21"	21"
10'-6"	21"	21"	21"	21"	21"	21"	21"	21"
11'-0"	24"	21"	21"	21"	21"	21"	24"	21"
12'-0"	21"	19 1/2"	21"	21"	21"	19 1/2"	21"	21"
13'-0"	24"	21"	21"	24"	21"	21"	24"	21"
14'-0"	21"	21"	21"	21"	21"	21"	21"	21"



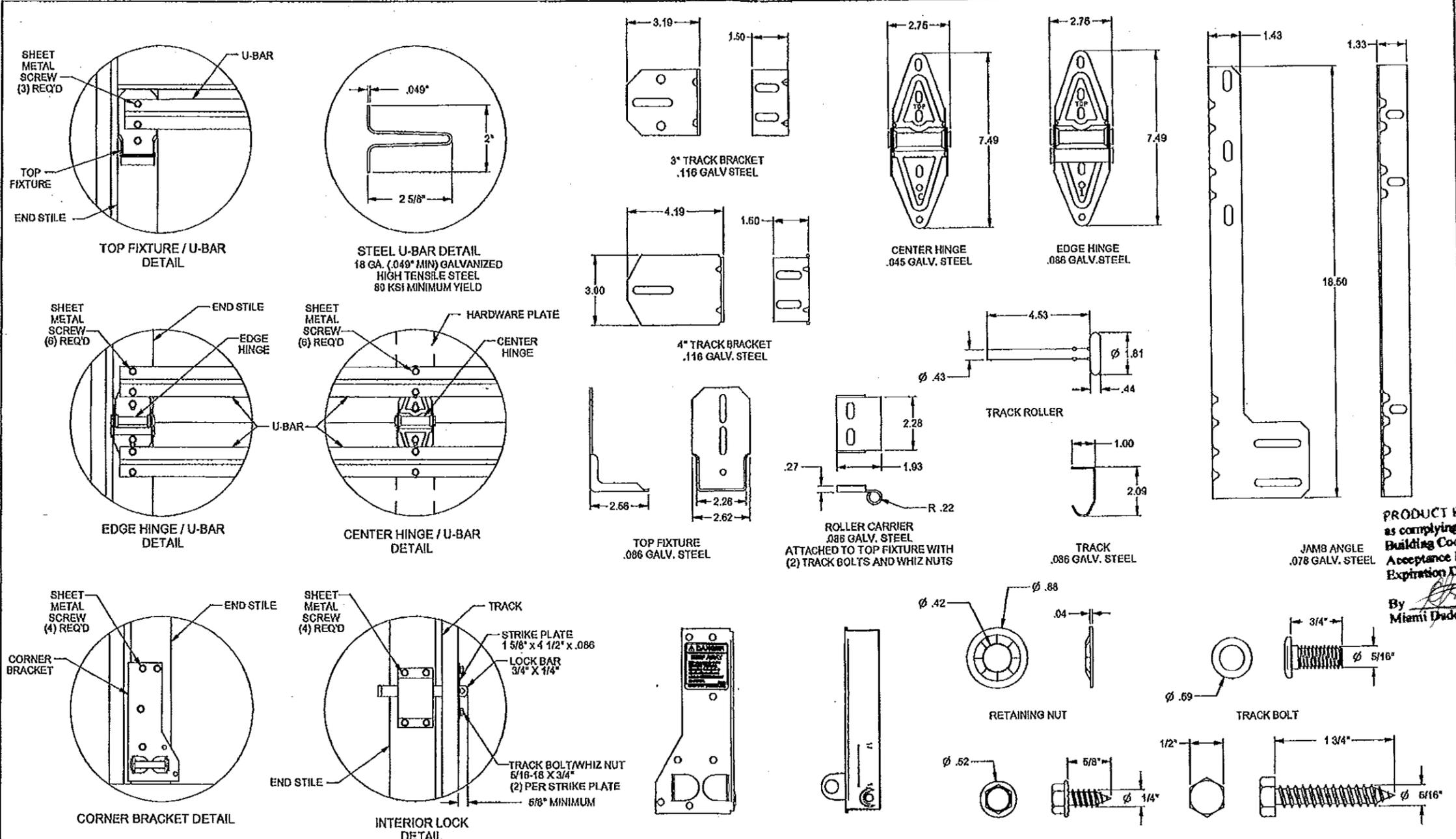
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 12-0517.11
 Expiration Date 12/11/2013
 By [Signature]
 Miami Trade Product Control

Approved as complying with the
 Florida Building Code
 Date 12/11/2008
 NOA# 12-0209.12
 Miami Trade Product Control
 By [Signature]

DOORS TESTED PER TAS 202
 FOR STATIC AIR PRESSURE
 TESTED PER TAS 201 AND TAS 203 FOR LARGE
 MISSILE IMPACT AND CYCLIC WIND PRESSURE
 DESIGN PRESSURE +52.0 / -58.0 PSF
 LARGE MISSILE IMPACT RESISTANT

[Signature]
 9-26-08
 Sheets 1, 2, 3 / 3

SCALE: NONE	DRAWN BY: G. WEDEKIND	TITLE: SPEC, WINDLOAD SHOWCASE / MASTERPIECE / TC200
NO. P-3305	CHECKED BY: G. WEDEKIND	SHEET 1 OF 3
DATE: 07/31/07	DATE: 07/31/07	REV B
ECO: 6318.001	ECO: 6318.001	



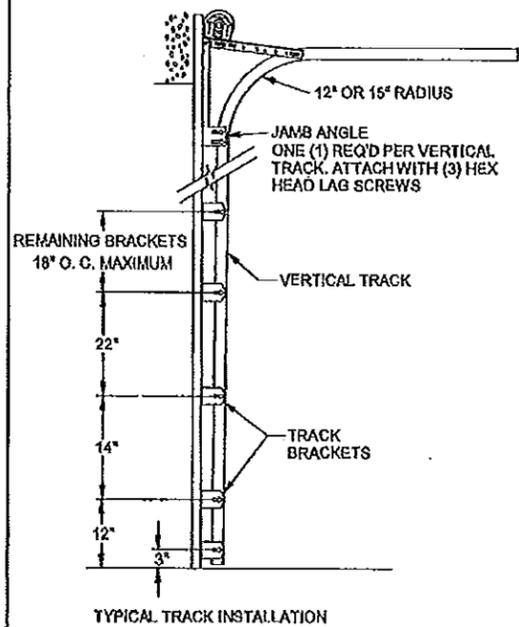
PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No 13-0829.15
Expiration Date 12/11/2018
By *[Signature]*
Miami Dade Product Control

PRODUCT REVISED as complying with the Florida Building Code
Approved as complying with the Florida Building Code
Acceptance No 12-0517.11
Date 12/11/2013
Expiration Date 12/11/2018
By *[Signature]*
Miami Dade Product Control

DOORS TESTED PER TAS 202 FOR STATIC AIR PRESSURE
TESTED PER TAS 201 AND TAS 203 FOR LARGE MISSILE IMPACT AND CYCLIC WIND PRESSURE
DESIGN PRESSURE +52.0 / -68.0 PSF
LARGE MISSILE IMPACT RESISTANT

REV.	DESCRIPTION	ECO	DATE

SCALE: NONE	 111 EAST RIVER ROAD DIXON, IL 61011	TITLE: SPEC, WINDLOAD SHOWCASE / MASTERPIECE / TC200
DRAWN BY: G. WEDERND		NO. P-3305 SHEET 2 OF 3 REV B
CHECKED BY: G. WEDERND		
DATE: 07/31/07 ECO: 6242.001		

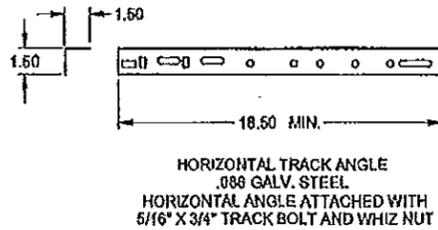


PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No 13-0829.15
 Expiration Date 12/11/2018
 By [Signature]
 Miami Dade Product Control

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 12-0517.11
 Expiration Date 12/11/2013
 By [Signature]
 Miami Dade Product Control

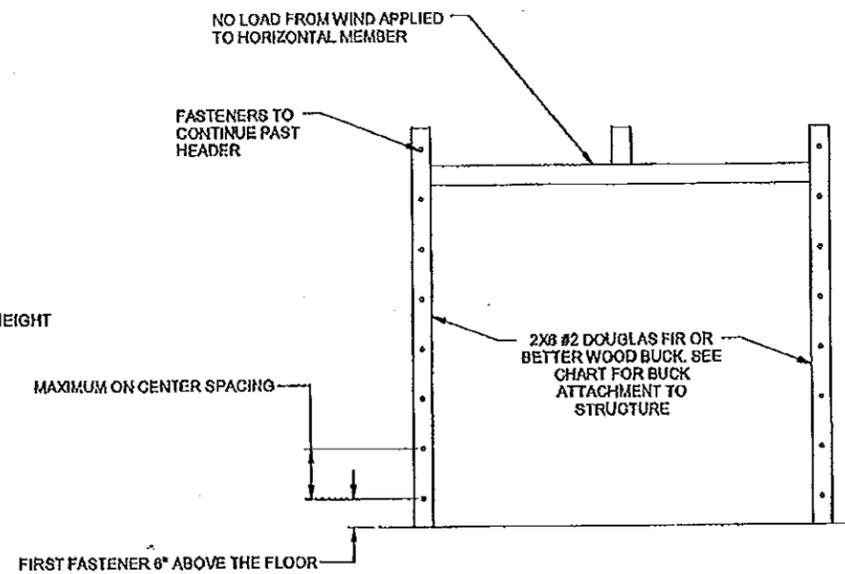
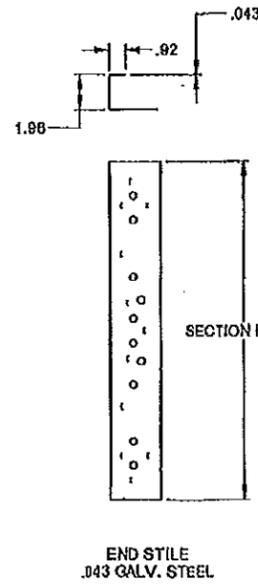
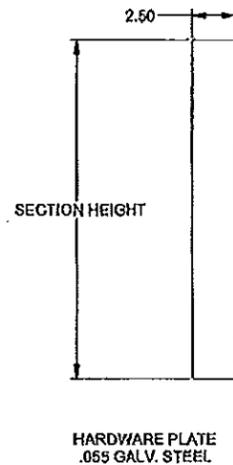
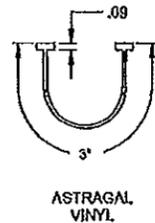
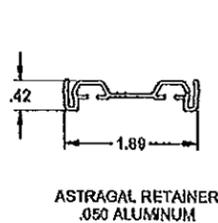
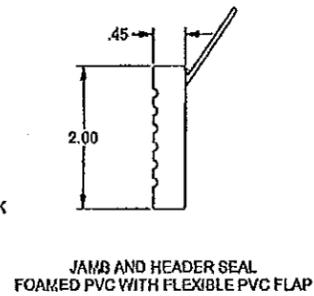
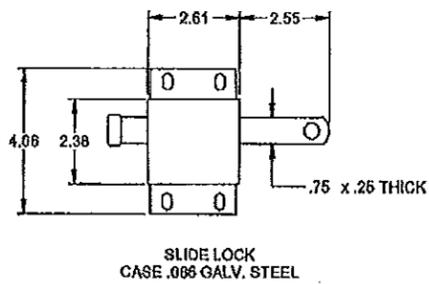
JAMB ATTACHMENT NOTES

- 1/4" DIAMETER ANCHORS REQUIRE 5/8" MIN. O.D. STEEL WASHER.
- 5/16" AND 3/8" DIAMETER FASTENERS REQUIRE 7/8" MIN O.D. STEEL WASHER.
- MAXIMUM POSITIVE LOAD PER JAMB = (9' X 52 PSF) / 2 = 234 LBS PER FOOT.
- MAXIMUM NEGATIVE LOAD PER JAMB = (9' X 68 PSF) / 2 = 281 LBS PER FOOT.
- DESIGN OF THE SUPPORTING STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE BUILDING DESIGNER AND SHALL BE DESIGNED FOR THE JAMB LOADS LISTED IN NOTES 3 AND 4.



JAMB MATERIAL	FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE	ALLOWABLE TENSION LOAD	MAXIMUM ON CENTER SPACING
GROUT FILLED BLOCK	5/16" DIA X 3 1/4" LONG ITW TAPCON	1 3/4"	4"	487	24 7/8"
3192 PSI CONCRETE	1/4" DIA X 3 1/4" LONG ITW TAPCON	1 3/4"	1"	510	28 1/8"
2859 PSI CONCRETE	5/16" DIA X 3 3/4" LONG ITW TAPCON	2 1/4"	1 5/16"	713	38 1/2"
2000 PSI CONCRETE	3/8" DIA X 3 1/2" POWER STUD ANCHOR	1 5/8"	1 7/8"	380	18 1/2"
4000 PSI CONCRETE	3/8" DIA X 3 1/2" POWER STUD ANCHOR	1 5/8"	1 7/8"	870	29 1/4"
WOOD DOUGLAS FIR (3-4E)	5/16" DIA X 3 1/2"	1 1/2"	1"	352	18"
WOOD GYP (3-65)	5/16" DIA X 3 1/2"	1 1/2"	1"	460	23 1/2"

TYPICAL TRACK INSTALLATION



Approved as complying with the
 Florida Building Code
 Date 12/11/2008
 NOAH 08-0829.12
 Miami Dade Product Control
 Division [Signature]
 By [Signature]

DOORS TESTED PER TAS 202
 FOR STATIC AIR PRESSURE
 TESTED PER TAS 201 AND TAS 203 FOR LARGE
 MISSILE IMPACT AND CYCLIC WIND PRESSURE
 DESIGN PRESSURE +52.0 / -58.0 PSF
 LARGE MISSILE IMPACT RESISTANT

REV.	DESCRIPTION	ECO	DATE

SCALE: NONE
DRAWN BY: G. WEECKND
CHECKED BY: G. WEECKND
DATE: 07/31/07
ECO: 6242.001



TITLE: SPEC, WINDLOAD SHOWCASE / MASTERPIECE / TC200	
NO. P-3305	SHEET 3 OF 3
REV B	