



**MIAMI-DADE COUNTY**  
**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) 372-6339

**NOTICE OF ACCEPTANCE (NOA)**

[www.maimidade.gov/buildingcode](http://www.maimidade.gov/buildingcode)

**Raynor Garage Doors**  
**1101 E. River Road**  
**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 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 Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Showcase/Masterpiece/TC200 9' wide Sectional Steel Garage Door**

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

**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 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*  
 11/18/08

**NOA No. 08-0709.12**  
**Expiration Date: December 11, 2013**  
**Approval Date: December 11, 2008**  
 Page 1

**Raynor Garage Doors**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

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

**B. TESTS**

1. 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 7' Showcase/Masterpiece/TC200 Sectional Steel Garage Door, prepared by Hurricane Test Laboratory, LLC, Test Report No. **G493-0205-08**, dated 03/12/08, signed and sealed by Vinu J. Abraham, P.E.
2. Test report on Tensile Test per ASTM E8, of steel sheet, prepared by Certified Testing Laboratories, Test Report No. **0156Q**, dated 04/01/08, signed and sealed by Ramesh Patel, P.E.
3. Test report on Salt Spray per ASTM B117 of painted G40 galvanized painted steel, prepared by Wendler Engineering Services, Inc., dated 09/25/08, signed and sealed by Richard A. Baumann, P.E.

**C. CALCULATIONS**

1. Jamb attachment verification calculations, prepared by Wendler Engineering Services, Inc., dated 05/16/08, signed and sealed by Richard A. Baumann, P.E.

**D. QUALITY ASSURANCE**

1. Miami Dade Building Code Compliance Office (BCCO).



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Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 08-0709.12  
Expiration Date: December 11, 2013  
Approval Date: December 11, 2008

**Raynor Garage Doors**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**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 04/10/08, 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 05/26/06, signed by Chris Bowness, P.E.
3. Notice of Acceptance No. **07-1107.08**, issued to Dyplast Products LLC., for their EPS Block Type Insulation, approved on 02/28/08, and expiring on 01/11/12.

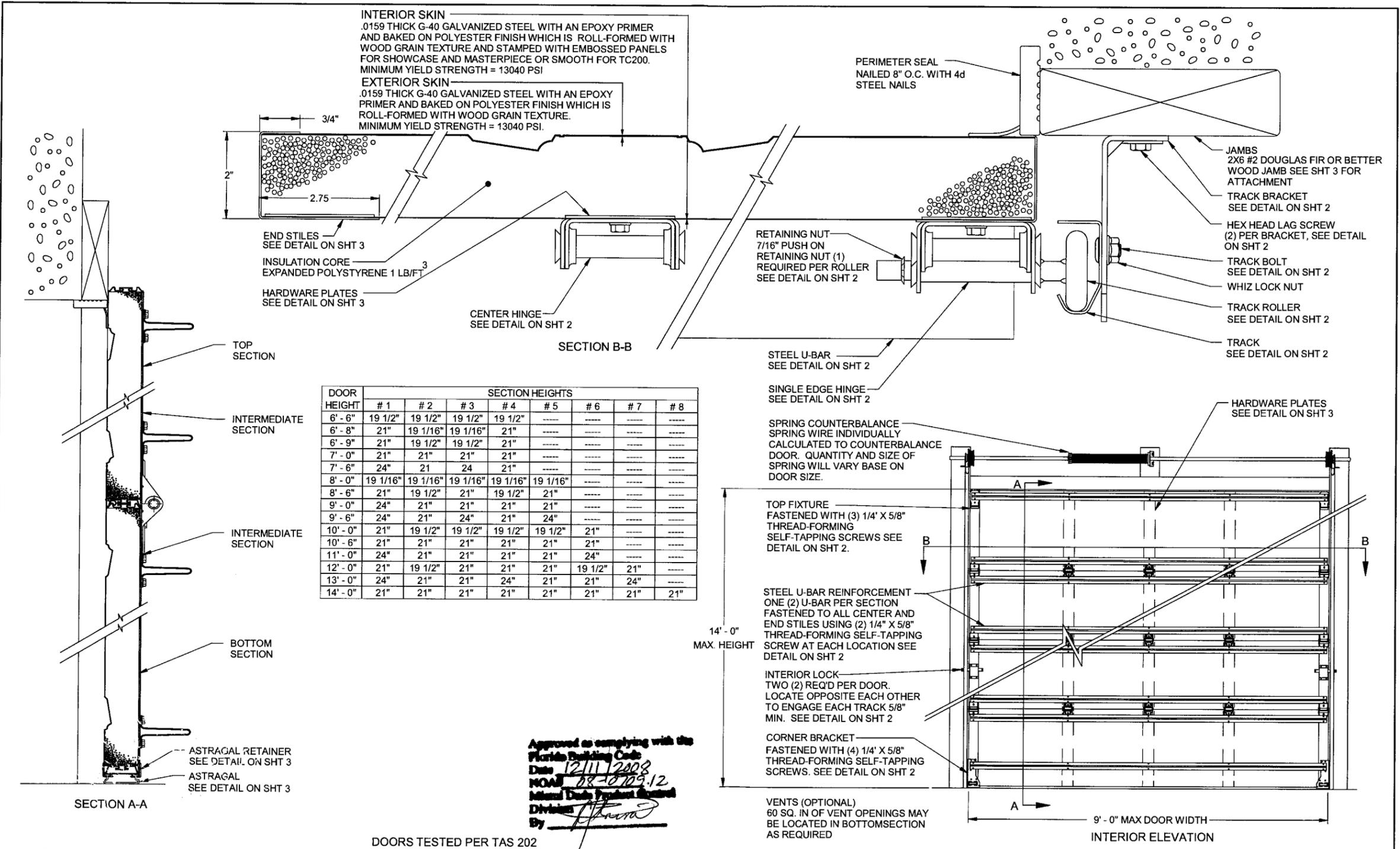
**F. STATEMENTS**

1. Statement letter of code conformance issued by Wendler Engineering Services, Inc., dated 05/19/08, signed and sealed by Richard A. Baumann, P.E.
2. Statement letter of no financial interest issued by Wendler Engineering Services, Inc., dated 05/19/08, signed and sealed by Richard A. Baumann, P.E.



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Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 08-0709.12  
Expiration Date: December 11, 2010  
Approval Date: December 11, 2008



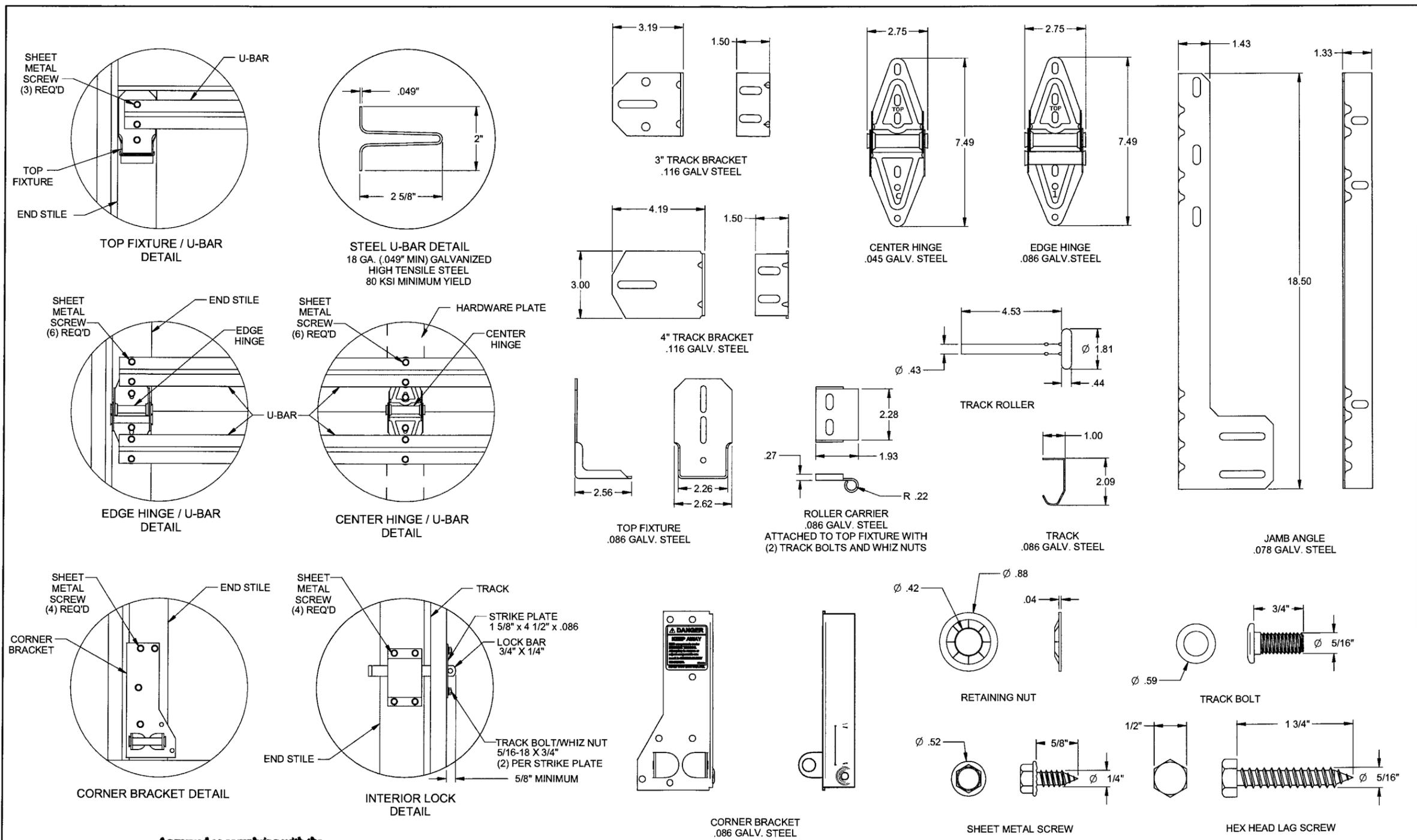
Approved as complying with the Florida Building Code  
 Date 12/11/2008  
 MOA 02-10-209.12  
 Division  
 By

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

9-26-08  
 Sheets 1, 2, 3 / 3

SCALE: NONE	TITLE: SPEC, WINDLOAD SHOWCASE / MASTERPIECE / TC200
DRAWN BY: G. WEDEKIND	NO. P-3305
CHECKED BY: G. WEDEKIND	SHEET 1 OF 3
DATE: 07/31/07	REV B
ECO: 5319.001	

1101 EAST RIVER ROAD  
 DIXON, IL 61021

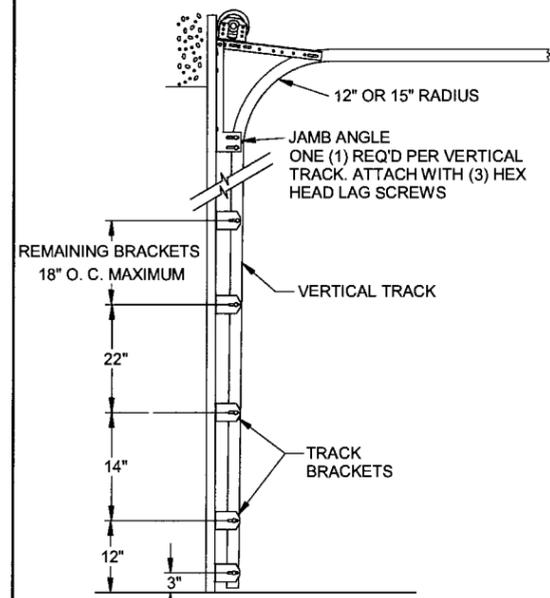


Approved as complying with the  
 Florida Building Code  
 Date: 12/11/2008  
 NOA# 08-10709-12  
 Miami-Dade Product Control  
 Division  
 By: *[Signature]*

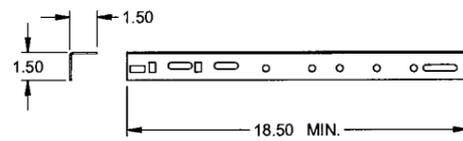
DOORS TESTED PER TAS 202  
 FOR STATIC AIR PRESSURE  
 TESTED PER TAS 201 AND TAS 203 FOR LARGE  
 MISSILE IMPACT AND CYCLIC WIND PRESSURE  
 DESIGN PRESSURE +52.0 / -58.0 PSF  
 LARGE MISSILE IMPACT RESISTANT

REV.	DESCRIPTION	ECO	DATE	ECO: 5242.001

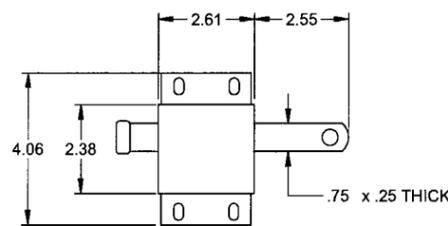
SCALE: NONE	 1101 EAST RIVER ROAD DIXON, IL 61021	TITLE: SPEC, WINDLOAD SHOWCASE / MASTERPIECE / TC200
DRAWN BY: G. WEDEKIND		NO. P-3305
CHECKED BY: G. WEDEKIND		
DATE: 07/31/07		REV B



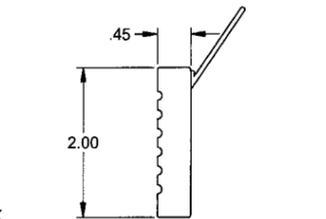
TYPICAL TRACK INSTALLATION



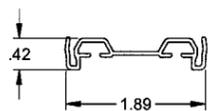
HORIZONTAL TRACK ANGLE  
.086 GALV. STEEL  
HORIZONTAL ANGLE ATTACHED WITH  
5/16" X 3/4" TRACK BOLT AND WHIZ NUT



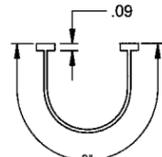
SLIDE LOCK  
CASE .086 GALV. STEEL



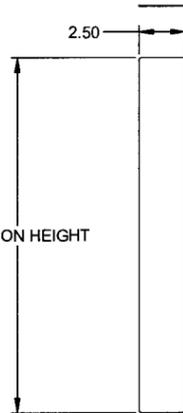
JAMB AND HEADER SEAL  
FOAMED PVC WITH FLEXIBLE PVC FLAP



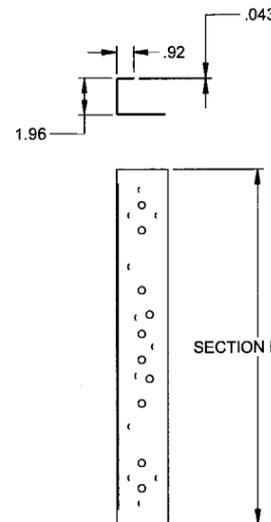
ASTRAGAL RETAINER  
.050 ALUMINUM



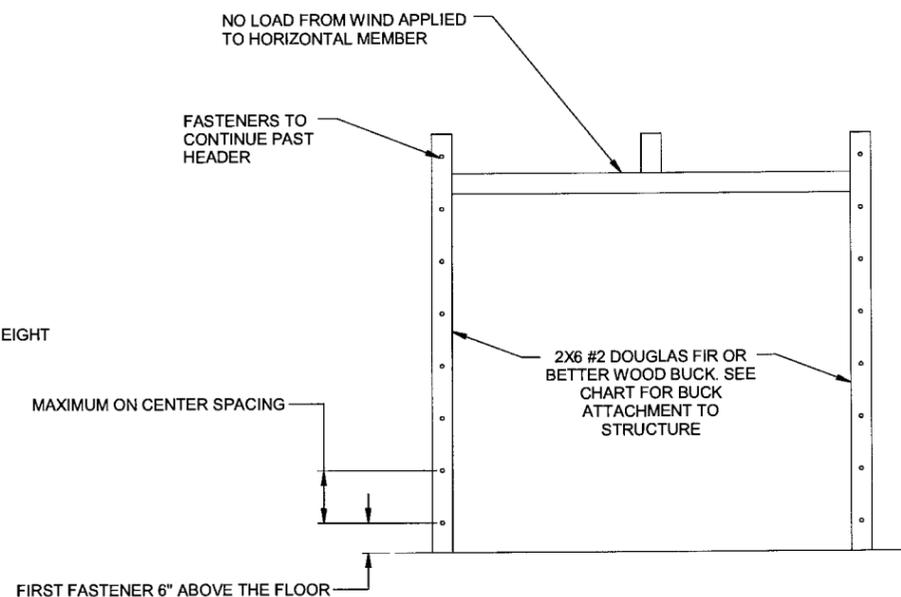
ASTRAGAL  
VINYL



HARDWARE PLATE  
.055 GALV. STEEL



END STILE  
.043 GALV. STEEL



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 58 PSF) / 2 = 261 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	26 1/8"
2899 PSI CONCRETE	5/16" DIA X 3 3/4" LONG ITW TAPCON	2 1/4"	1 9/16"	713	36 1/2"
2000 PSI CONCRETE	3/8" DIA X 3 1/2" POWER STUD ANCHOR	1 5/8"	1 7/8"	360	18 1/2"
4000 PSI CONCRETE	3/8" DIA X 3 1/2" POWER STUD ANCHOR	1 5/8"	1 7/8"	570	29 1/4"
WOOD DOUGLAS FIR (G=46)	5/16" DIA. X 3 1/2"	1 1/2"	1"	352	18"
WOOD SYP (G=55)	5/16" DIA. X 3 1/2"	1 1/2"	1"	460	23 1/2"

Approved as complying with the  
Florida Building Code  
Date 12/11/2008  
NOA# 08-8709.12  
Miami Design Product Control  
Division  
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  
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REV.	DESCRIPTION	ECO	DATE

SCALE: NONE
DRAWN BY: G. WEDEKIND
CHECKED BY: G. WEDEKIND
DATE: 07/31/07
ECO: 5242.001



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