



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

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: Decade 9' wide Sectional Steel Garage Door

APPROVAL DOCUMENT: Drawing No. **P-3304**, titled "Spec. Wind Load Decade", sheets 1 through 3 of 3, dated 07/31/07, 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, as well as approval document mentioned above. The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



[Handwritten Signature]
 10/16/08

NOA No. 08-0709.11
Expiration Date: November 6, 2013
Approval Date: November 6, 2008
 Page 1

Raynor Garage Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **P-3304**, titled "Spec. Wind Load Decade", sheets 1 through 3 of 3, dated 07/31/07, 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 7.5' Decade Sectional Steel Garage Door, prepared by Hurricane Test Laboratory, LLC, Test Report No. **G493-0305-08**, dated 04/14/08, 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).

E. MATERIAL CERTIFICATIONS

1. None.

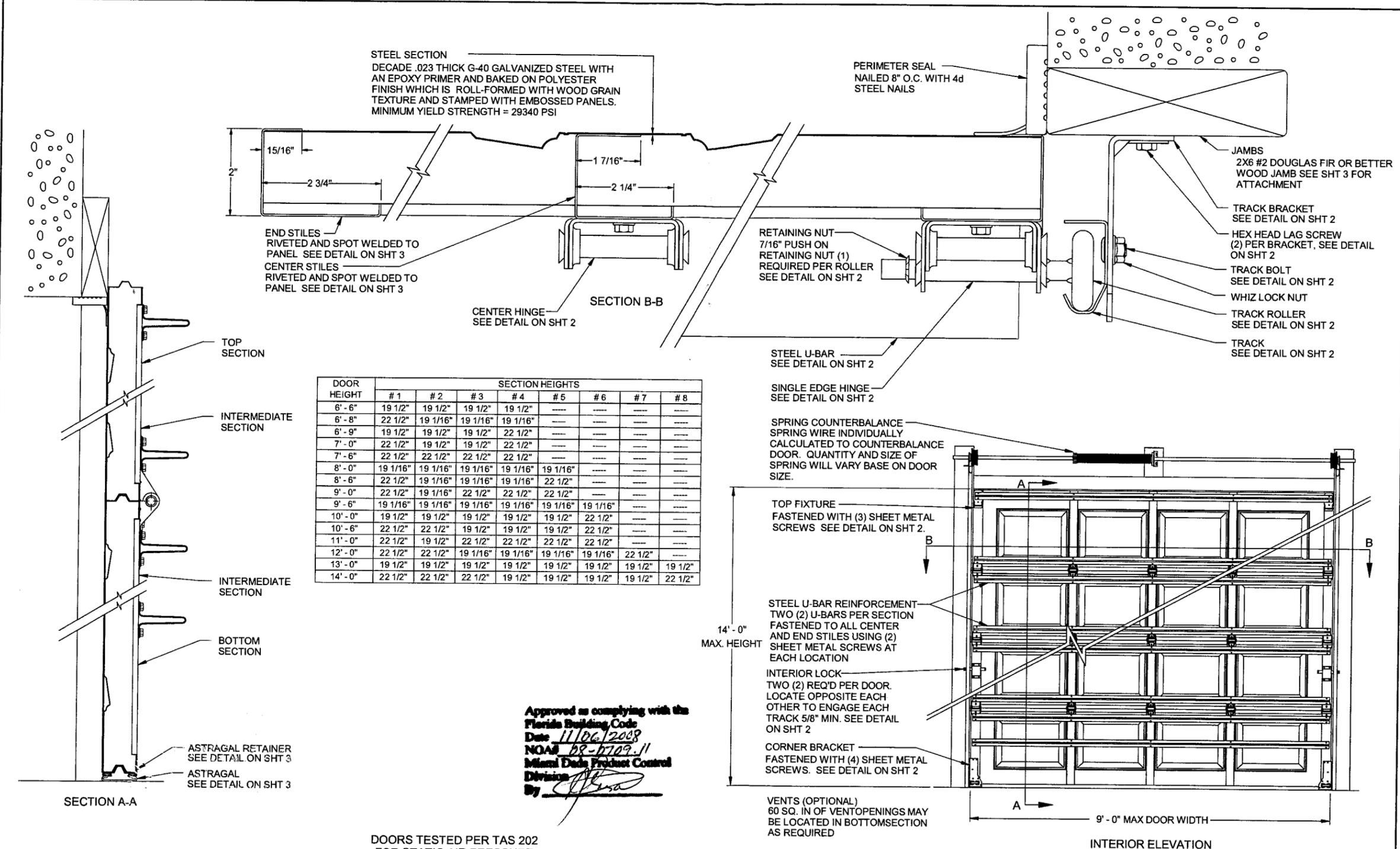
F. STATEMENTS

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.

 10/16/08

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 08-0709.11

Expiration Date: November 6, 2013
Approval Date: November 6, 2008



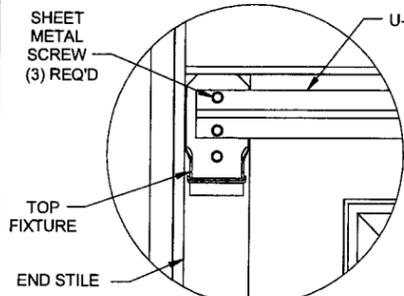
DOOR HEIGHT	SECTION HEIGHTS							
	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8
6'-6"	19 1/2"	19 1/2"	19 1/2"	19 1/2"	---	---	---	---
6'-8"	22 1/2"	19 1/16"	19 1/16"	19 1/16"	---	---	---	---
6'-9"	19 1/2"	19 1/2"	19 1/2"	22 1/2"	---	---	---	---
7'-0"	22 1/2"	19 1/2"	19 1/2"	22 1/2"	---	---	---	---
7'-6"	22 1/2"	22 1/2"	22 1/2"	22 1/2"	---	---	---	---
8'-0"	19 1/16"	19 1/16"	19 1/16"	19 1/16"	19 1/16"	---	---	---
8'-6"	22 1/2"	19 1/16"	19 1/16"	19 1/16"	22 1/2"	---	---	---
9'-0"	22 1/2"	19 1/16"	22 1/2"	22 1/2"	22 1/2"	---	---	---
9'-6"	19 1/16"	19 1/16"	19 1/16"	19 1/16"	19 1/16"	19 1/16"	---	---
10'-0"	19 1/2"	19 1/2"	19 1/2"	19 1/2"	19 1/2"	22 1/2"	---	---
10'-6"	22 1/2"	22 1/2"	19 1/2"	19 1/2"	19 1/2"	22 1/2"	---	---
11'-0"	22 1/2"	19 1/2"	22 1/2"	22 1/2"	22 1/2"	22 1/2"	---	---
12'-0"	22 1/2"	22 1/2"	19 1/16"	19 1/16"	19 1/16"	19 1/16"	22 1/2"	---
13'-0"	19 1/2"	19 1/2"	19 1/2"	19 1/2"	19 1/2"	19 1/2"	19 1/2"	19 1/2"
14'-0"	22 1/2"	22 1/2"	22 1/2"	19 1/2"	19 1/2"	19 1/2"	19 1/2"	22 1/2"

Approved as complying with the
 Florida Building Code
 Date 11/06/2008
 NOA# 68-6709-11
 Miami Dade Product Control
 Division
 By *[Signature]*

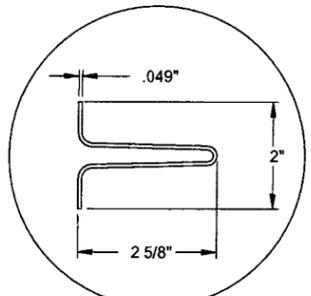
DOORS TESTED PER TAS 202
 FOR STATIC AIR PRESSURE
 TESTED PER TAS 201 AND TAS 203 FOR LARGE
 MISSILE IMPACT AND CYCLIC WIND PRESSURE
 DESIGN PRESSURE +52.0 / -58.0 PSF
 LARGE MISSILE IMPACT RESISTANT

[Signature]
 9-22-08
 Sheets 1, 2, 3 of 3

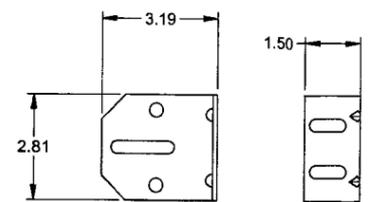
SCALE: NONE			 1101 EAST RIVER ROAD DIXON, IL 61021	TITLE: SPEC, WINDLOAD DECADE	
B	INCREASED TEXT HEIGHT, RELEASED FOR PRODUCTION	5319.001		08/29/08	CHECKED BY: G. WEDEKIND
A	PRELIMINARY RELEASE		07/31/07	DATE: 07/31/07	SHEET 1 OF 3
REV.	DESCRIPTION	ECO	DATE	ECO: 5319.001	REV B



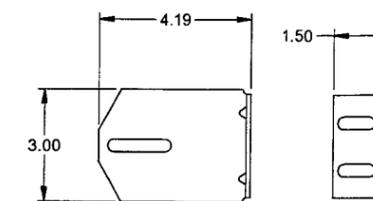
TOP FIXTURE / U-BAR DETAIL



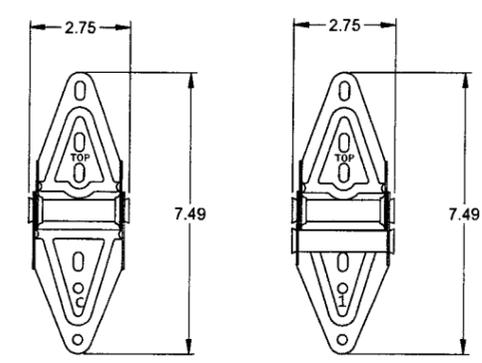
STEEL U-BAR DETAIL
18 GA. (.049" MIN) GALVANIZED
HIGH TENSILE STEEL
80 KSI MINIMUM YIELD



3" TRACK BRACKET
.116 GALV. STEEL

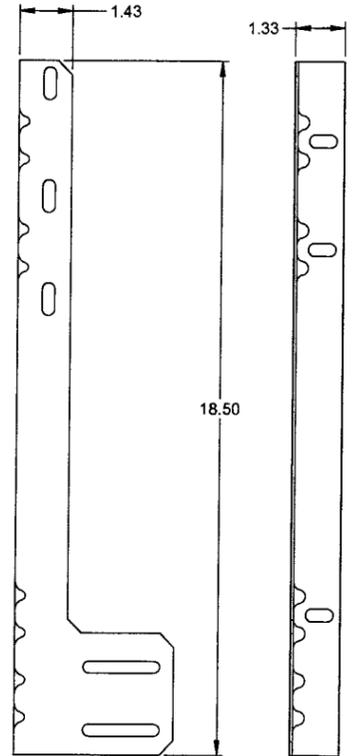


4" TRACK BRACKET
.116 GALV. STEEL

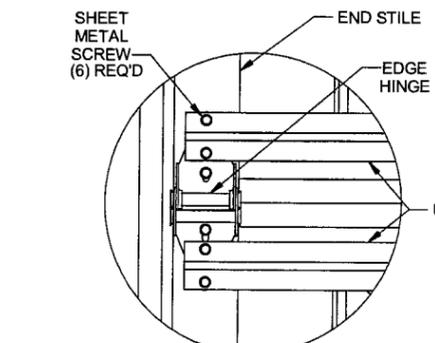


CENTER HINGE
.045 GALV. STEEL

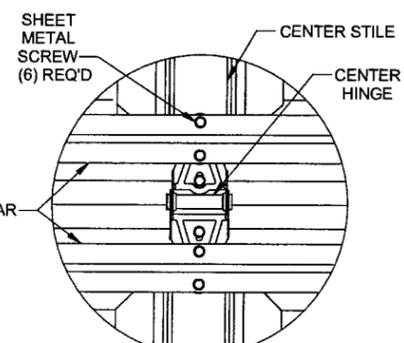
EDGE HINGE
.086 GALV. STEEL



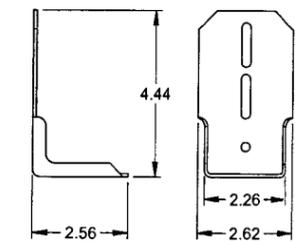
JAMB ANGLE
.078 GALV. STEEL



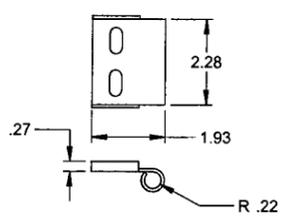
EDGE HINGE / U-BAR DETAIL



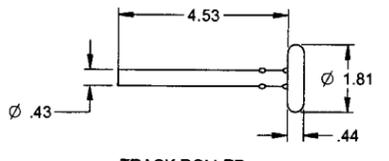
CENTER HINGE / U-BAR DETAIL



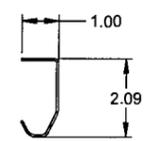
TOP FIXTURE
.086 GALV. STEEL



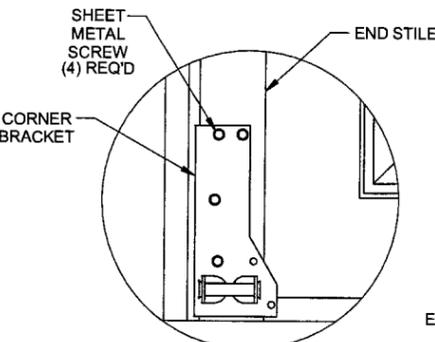
ROLLER CARRIER
.086 GALV. STEEL
ATTACHED TO TOP FIXTURE WITH
(2) TRACK BOLTS AND WHIZ NUTS



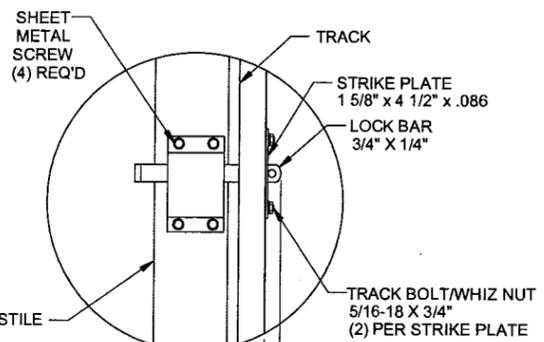
TRACK ROLLER



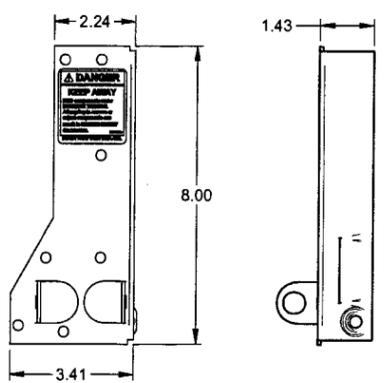
TRACK
.086 GALV. STEEL



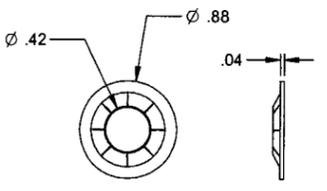
CORNER BRACKET DETAIL



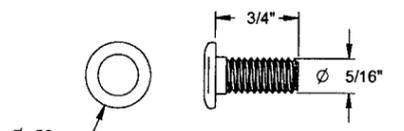
INTERIOR LOCK DETAIL



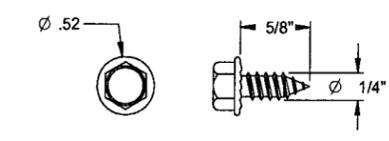
CORNER BRACKET
.086 GALV. STEEL



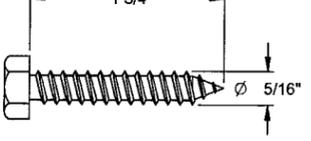
RETAINING NUT



TRACK BOLT



SHEET METAL SCREW



HEX HEAD LAG SCREW

Approved as complying with the
Florida Building Code
Date 11/06/2008
NOAF 08-0707-11
Missile Data Product Control
Division
By *[Signature]*

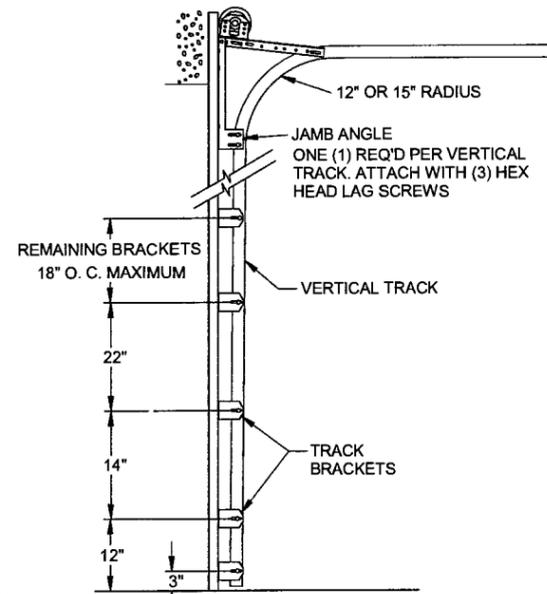
DOORS TESTED PER TAS 202
FOR STATIC AIR PRESSURE
TESTED PER TAS 201 AND TAS 203 FOR LARGE
MISSILE IMPACT AND CYCLIC WIND PRESSURE
DESIGN PRESSURE +52.0 / -58.0 PSF
LARGE MISSILE IMPACT RESISTANT

REV	DESCRIPTION	ECO	DATE

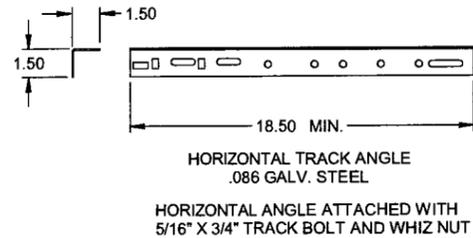
SCALE: NONE
DRAWN BY: G. WEDEKIND
CHECKED BY: G. WEDEKIND
DATE: 07/31/07
ECO: 5242.001



TITLE: SPEC, WINDLOAD DECADE		
NO. P-3304	SHEET 2 OF 3	REV B



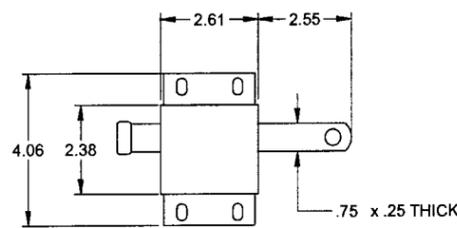
TYPICAL TRACK INSTALLATION



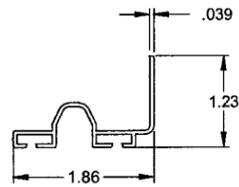
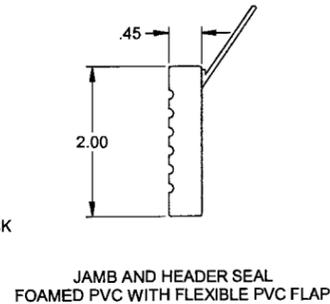
JAMB MATERIAL	FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE	ALLOWABLE TENSION LOAD	MAXIMUM ON CENTER SPACING
GROUT FILLED BLOCK	5/16" DIA X 3 1/4" LONG ITW TAPCON	1 3/4"	4"	487	24 7/8"
3192 PSI CONCRETE	1/4" DIA X 3 1/4" LONG ITW TAPCON	1 3/4"	1"	510	26 1/8"
2899 PSI CONCRETE	5/16" DIA X 3 3/4" 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=48)	5/16" DIA. X 3 1/2"	1 1/2"	1"	353	18"
WOOD SYP (G=61)	5/16" DIA. X 3 1/2"	1 1/2"	1"	460	23 1/2"

JAMB ATTACHMENT NOTES

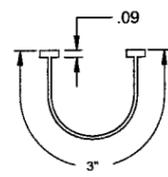
- 1/4" DIAMETER ANCHORS REQUIRE 5/8" MIN. O.D. STEEL WASHER.
- 5/16" AND 3/8" DIAMETER FASTENERS REQUIRE 7/8" MIN O.D. STEEL WASHER.
- MAXIMUM POSITIVE LOAD PER JAMB = (9' X 52 PSF) / 2 = 234 LBS PER FOOT
- MAXIMUM NEGATIVE LOAD PER JAMB = (9' X 58 PSF) / 2 = 261 LBS PER FOOT.
- DESIGN OF THE SUPPORTING STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE BUILDING DESIGNER AND SHALL BE DESIGNED FOR THE JAMB LOADS LISTED IN NOTES 3 AND 4.



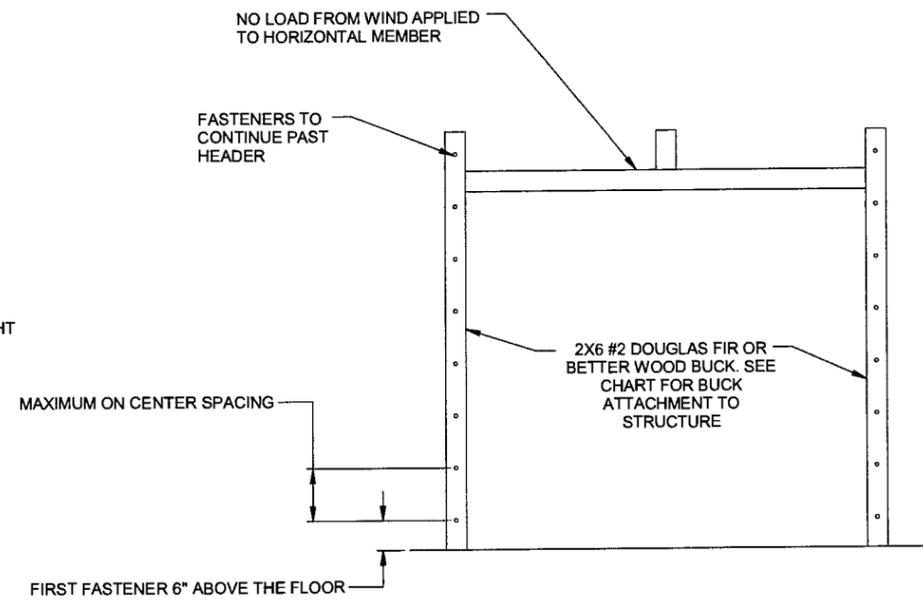
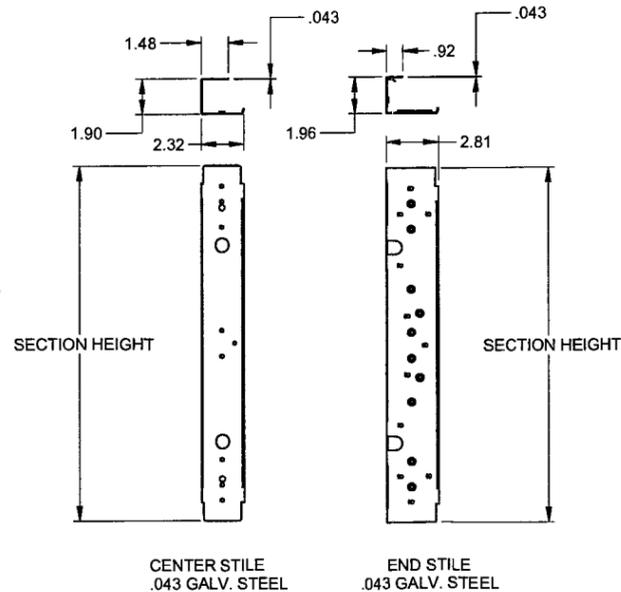
SLIDE LOCK CASE .086 GALV. STEEL



ASTRAGAL RETAINER .039 ALUMINUM



ASTRAGAL VINYL



Approved as complying with the Florida Building Code
 Date 11/06/2008
 NOA# 08-0709-11
 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

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

RAYNOR
 1101 EAST RIVER ROAD
 DIXON, L. 61021

TITLE: SPEC. WINDLOAD DECADE	NO. P-3304	SHEET 3 OF 3	REV B
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