



Product Approval
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > **Application Detail**

FL #	FL21372-R1
Application Type	Affirmation
Code Version	2017
Application Status	Approved
Comments	
Archived	<input type="checkbox"/>
Product Manufacturer	Raynor Garage Doors
Address/Phone/Email	1101 East River Road Dixon, IL 61021 (815) 285-7286 garyw@raynor.com
Authorized Signature	Gary Wedekind garyw@raynor.com
Technical Representative	Gary Wedekind
Address/Phone/Email	1101 E River Road Dixon, IL 61021 garw@raynor.com
Quality Assurance Representative	Nathan Stralow
Address/Phone/Email	1101 East River Road Dixon, IL 61021 (815) 285-7443 nstralow@raynor.com
Category	Exterior Doors
Subcategory	Sectional Exterior Door Assemblies
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input type="checkbox"/> Evaluation Report - Hardcopy Received
Florida Engineer or Architect Name who developed the Evaluation Report	John E. Scates
Florida License	PE-51737
Quality Assurance Entity	
Quality Assurance Contract Expiration Date	07/31/2020

Validated By

Gordon Thomas, P.E.

Validation Checklist - Hardcopy Received

Certificate of Independence

[FL21372 R1 COI Cert of Ind Scates 2016 s.pdf](#)

Referenced Standard and Year (of Standard)

<u>Standard</u>	<u>Year</u>
TAS 201	1994
TAS 202	1994
TAS 203	1994

Equivalence of Product Standards Certified By

Sections from the Code

I affirm that there are no changes in the new Florida Building Code which affect my product(s) and my product(s) are in compliance with the new Florida Building Code.

Documentation from approved Evaluation or Validation Entity

Yes No N/A

[FL21372 R1 COC FL 21372 Affirm for FBC 6th 2017s.pdf](#)

Product Approval Method

Method 1 Option D

Date Submitted

09/19/2017

Date Validated

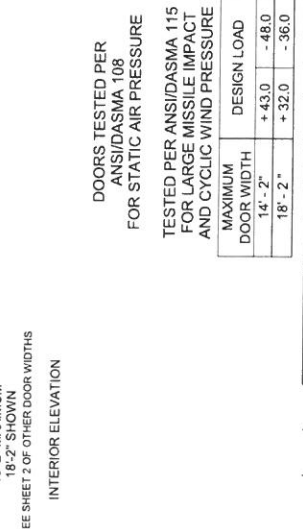
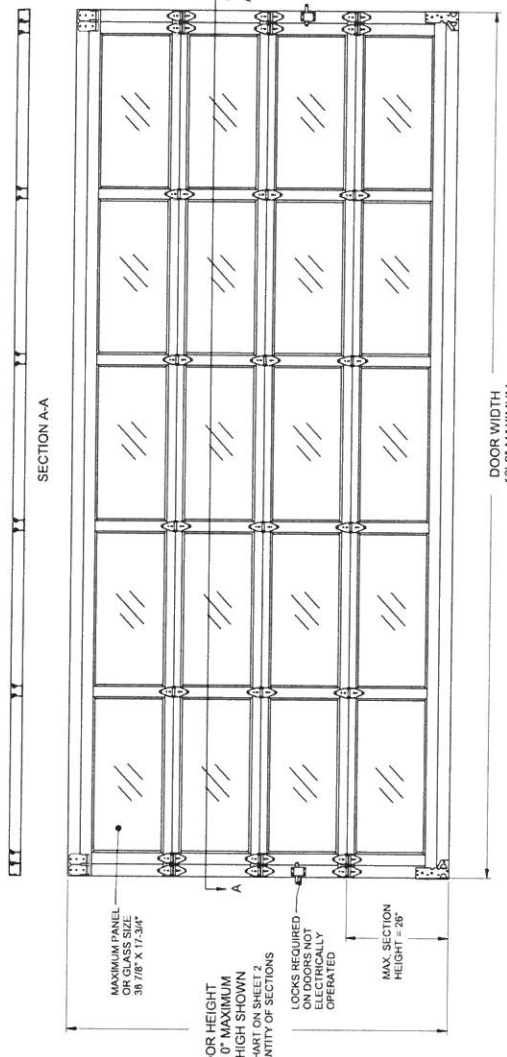
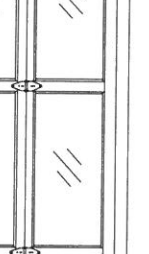
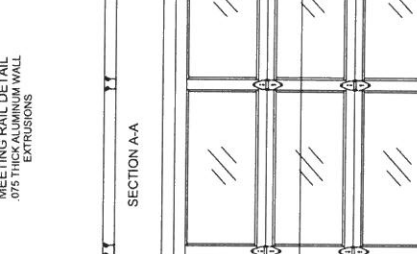
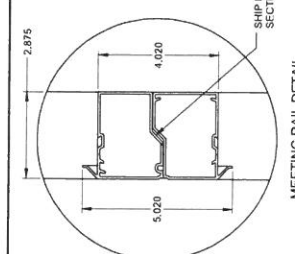
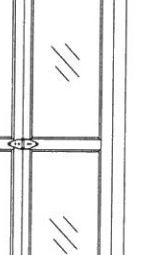
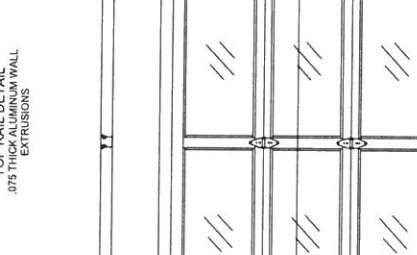
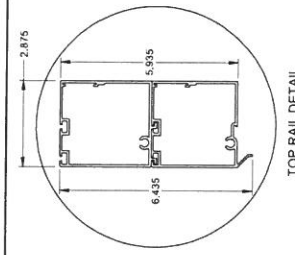
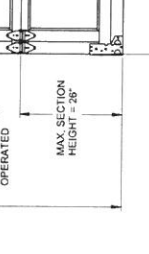
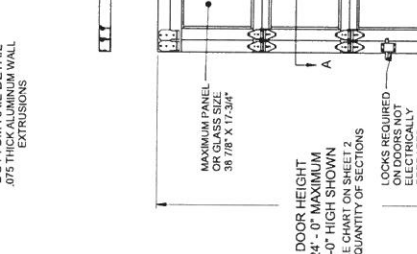
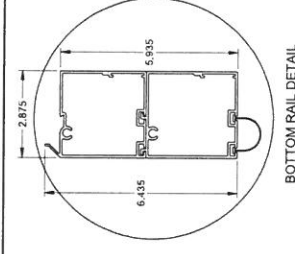
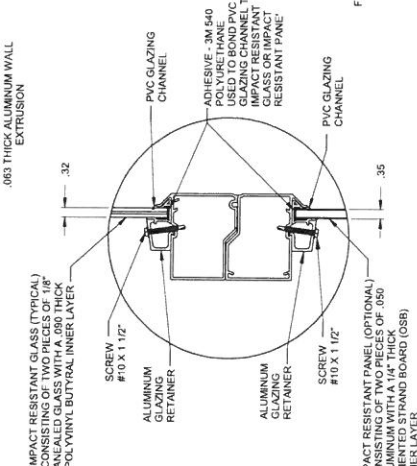
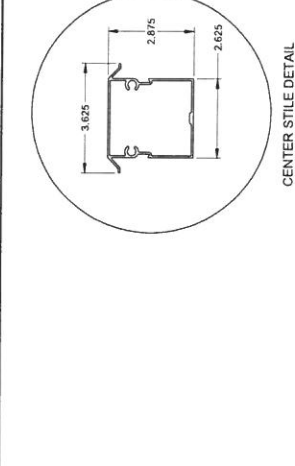
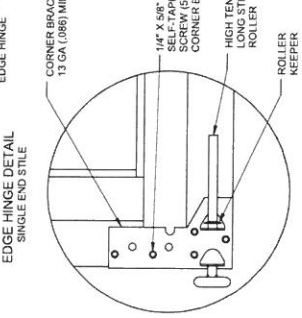
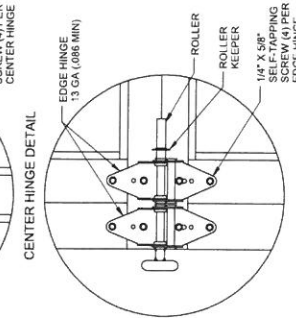
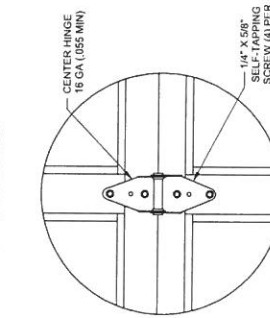
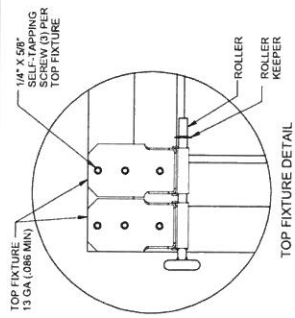
09/19/2017

Date Pending FBC Approval

Date Approved

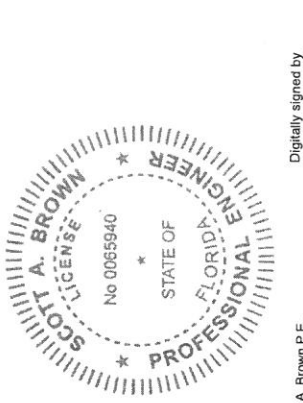
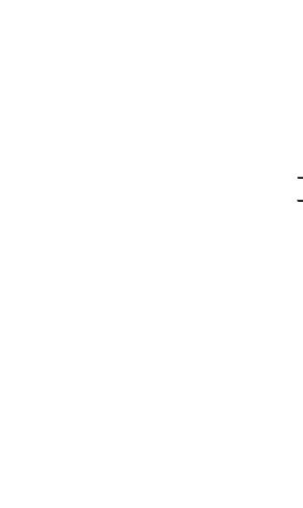
09/21/2017

FL #	Model, Number or Name	Description
21372.1	AV300	2-7/8" thick Aluminum Rail and Stile Full View Sectional Door with Impact Resistant Windows
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +42.0/-52.0 Other: Maximum door width = 16' -2"		Installation Instructions FL21372 R1 II P-3338-A s.pdf Verified By: John E. Scates 51737 Created by Independent Third Party: Yes Evaluation Reports FL21372 R1 AE EvaluationReport AV300 r0 s.pdf Created by Independent Third Party: Yes



MAXIMUM DOOR WIDTH	DESIGN LOAD
14' - 2"	+43.0
18' - 2"	+32.0
	-48.0
	-36.0

DOORS TESTED PER ANS/DASMA 108 FOR STATIC AIR PRESSURE
TESTED PER ANS/DASMA 115 FOR LARGE MISSILE IMPACT AND CYCLIC WIND PRESSURE



Digitally signed by
Scott A. Brown, PE
F.P.E. #65940
Date: 2017.10.11
16:30:56

688 Timber Creek Road
Dixon Illinois 61021

SCALE	NO.	DATE
AS SHOWN	000012	05/08/14
FOR PRODUCTION	000013	05/08/14
FOR REVIEW	000014	08/11/14
FOR DESIGN	000017	09/27/17

THICKNESS (MINIMUM) TYPICAL
ATTACHMENT
ADDRESS
RELEASED FOR PRODUCTION

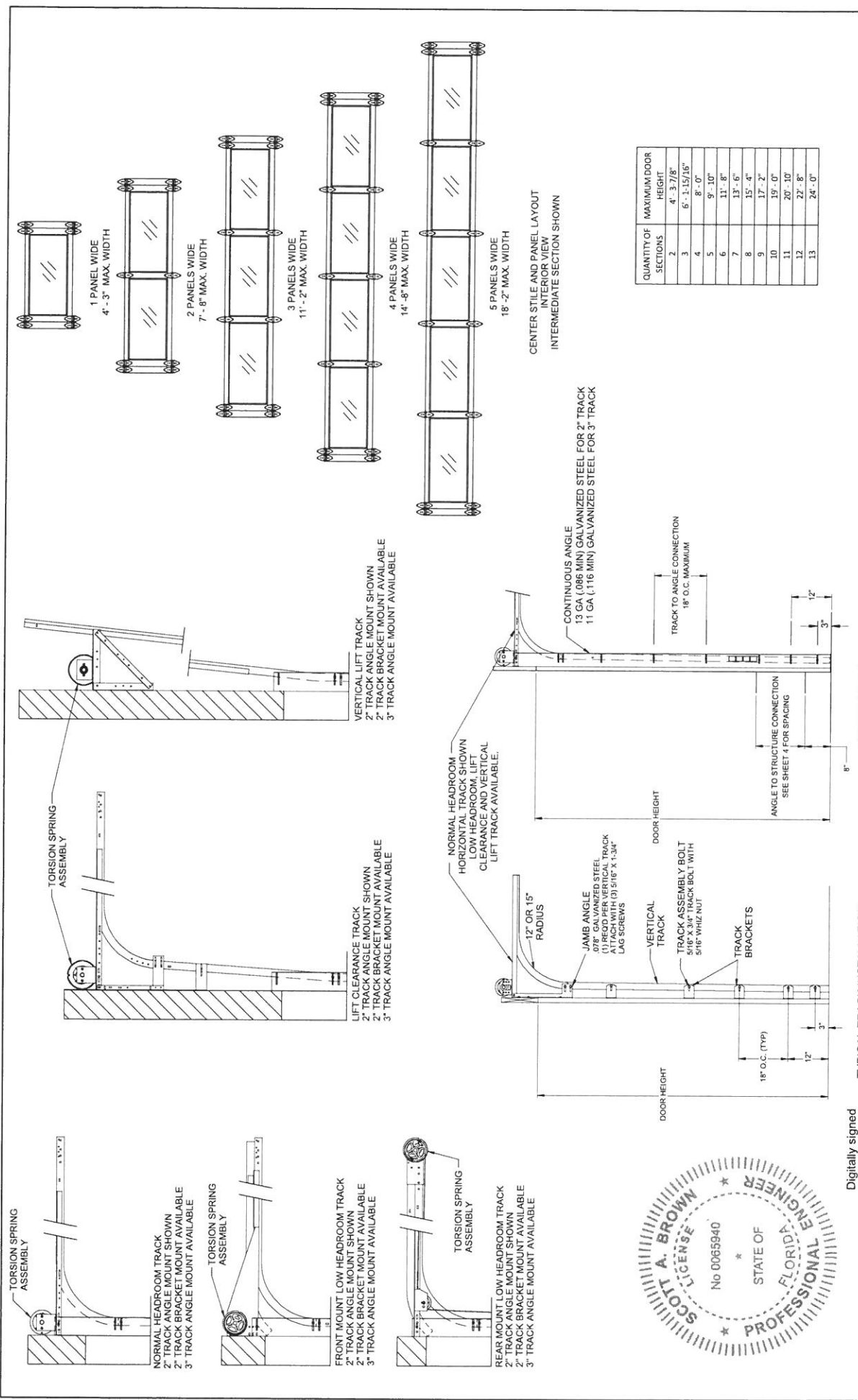
NO. P-3330

SPEC. WIND LOAD AV300

RAVNOR GARAGE DOORS

NO. P-3330

1 OF 4

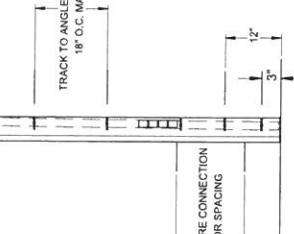


QUANTITY OF SECTIONS	MAXIMUM DOOR HEIGHT
2	4' - 3" / 8"
3	6' - 1-15/16"
4	8' - 0"
5	9' - 10"
6	11' - 8"
7	13' - 6"
8	15' - 4"
10	19' - 0"
11	20' - 10"
12	22' - 8"
13	24' - 0"

DRAWING NO. P-3330
 SPEC. WIND LOAD AV300
 DATE 08/21/13
 REV. 2 OF 4
 C

RAYNOR
 RAYNOR DOOR SYSTEMS
 1000 W. 10TH ST.
 ST. LOUIS, MO 63103
 TEL: 314.585.8100

Digitally signed by Scott A Brown, PE
 Date: 2017-10-11 16:34:49



TYPICAL TRACK INSTALLATION
 BRACKET MOUNT
 WOOD JAMBS

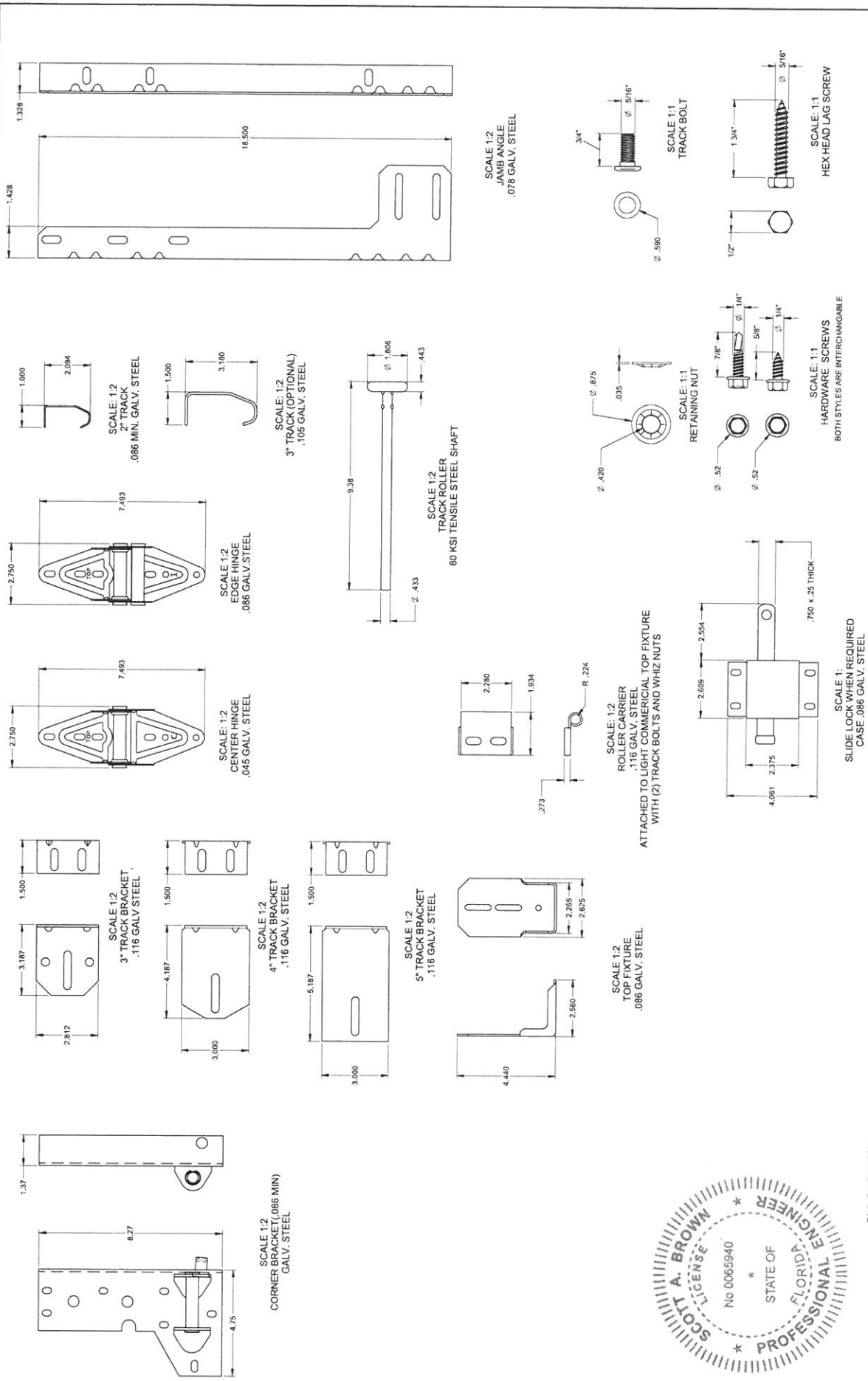
TYPICAL TRACK INSTALLATION
 ANGLE MOUNT
 WOOD, STEEL OR MASONRY JAMBS

TYPICAL TRACK INSTALLATION
 TORSION SPRING ASSEMBLY

TYPICAL TRACK INSTALLATION
 LIFT CLEARANCE TRACK

TYPICAL TRACK INSTALLATION
 NORMAL HEADROOM TRACK

TYPICAL TRACK INSTALLATION
 CONTINUOUS ANGLE



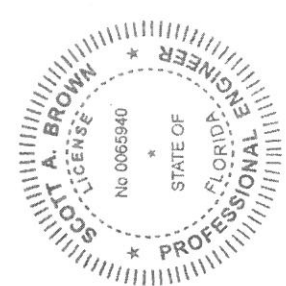
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 Scott A. Brown, PE
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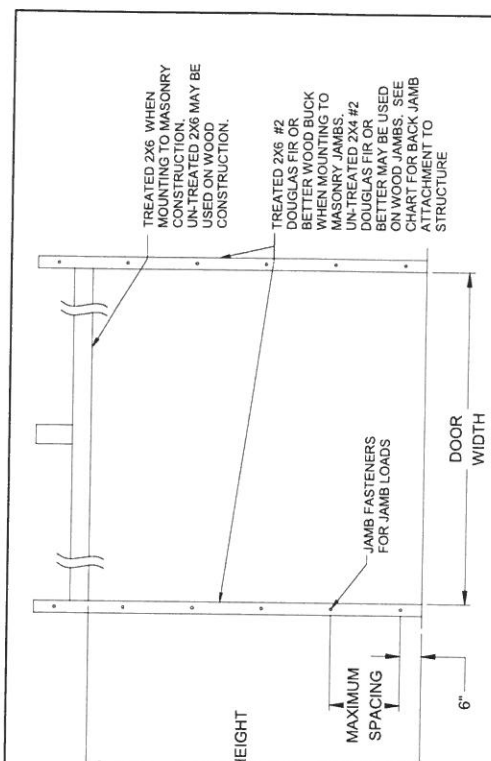
Scott A. Brown P.E.
 F.P.E. #65940
 698 Timber Creek Road
 Dixon Illinois 61021

SCALE NAME: JAMB ANGLE
 DRAWN BY: G.WEISZAND
 CHECKED BY: G.W.
 DATE: 08/02/13
 TITLE: WINDOW TRACKS
 TOTAL SHEETS: 1
 SHEET NO.: 3 OF 4
 REV: C

RAYNER
 WINDOW TRACKS
 300 W. WILSON ST.
 ST. LOUIS, MO 63103
 TEL: 314.433.4400

SPEC. WIND LOAD
 AN300
 NO P-3330



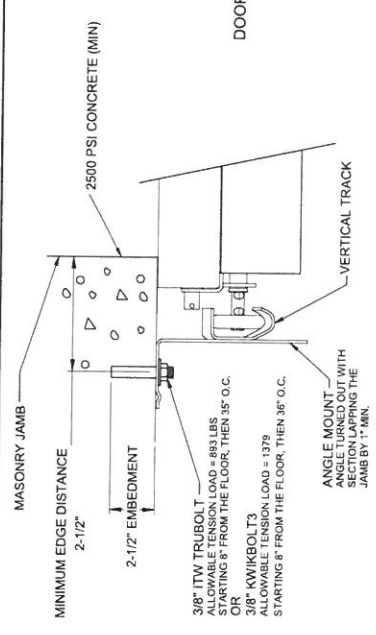


JAMB ATTACHMENT

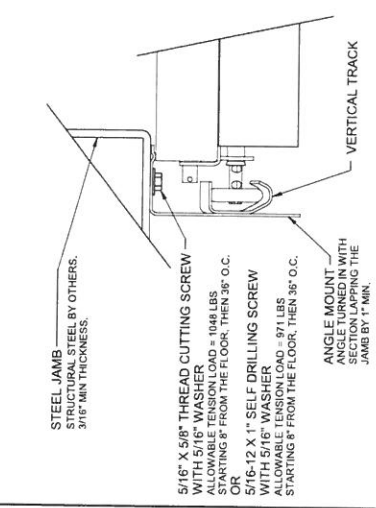
JAMB ATTACHMENT NOTES

1. MAXIMUM POSITIVE LOAD PER JAMB = $(14 \cdot 2' \cdot X \cdot 43.0 \text{ PSF}) / 2 = 305 \text{ LBS PER FOOT}$
2. MAXIMUM NEGATIVE LOAD PER JAMB = $(14 \cdot 2' \cdot X \cdot 48.0 \text{ PSF}) / 2 = 340 \text{ LBS PER FOOT}$.
3. 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 1 AND 2.
4. ALTERNATE JAMB ATTACHMENTS MAY BE USED IF APPROVED BY A REGISTERED PROFESSIONAL ENGINEER.
5. DASHA TECHNICAL DATA SHEET TDS-161 MAY BE USED FOR ALTERNATE JAMB ATTACHMENTS.
6. 3/8" DIAMETER LAG SCREWS REQUIRE 1/16" DIAMETER PILOT HOLE AND 1-1/2" MINIMUM EDGE DISTANCE.

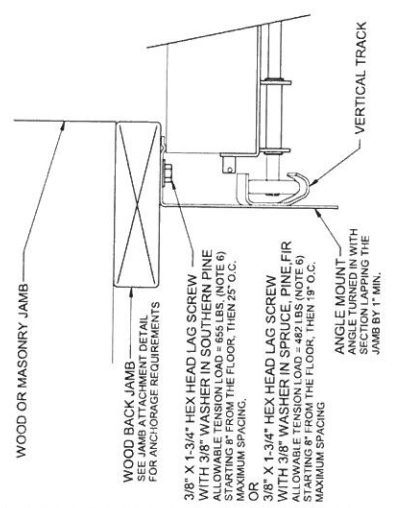
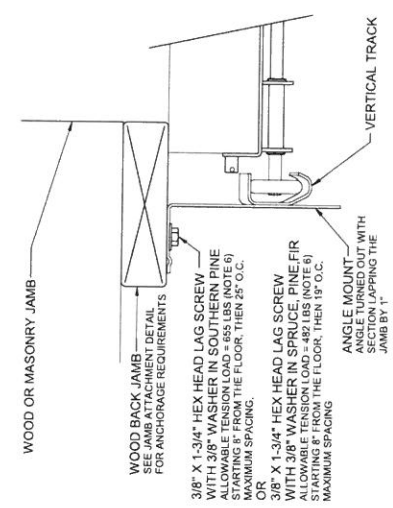
STRUCTURE TYPE	FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE	MINIMUM ON CENTER SPACING	DIMENSION A (MAXIMUM ON CENTER SPACING)	ALLOWABLE TENSION LOAD
2500 PSI MIN. CONCRETE	1/4" TARDON- (PLUS) WITH 1-1/8" OD WASHER	2"	2.5	6"	24"	891
SOUTHERN PINE	3/8" X 1-3/4" LAG WITH 1-1/8" OD WASHER	1.50"	1.50"	1.50"	24"	655
SPRUCE PINE FIR	3/8" X 1-3/4" LAG WITH 1-1/8" OD WASHER	1.50"	1.50"	1.50"	19"	482



TRACK ASSEMBLY ATTACHMENT TO MASONRY JAMB

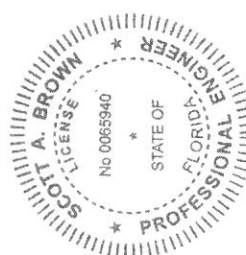


TRACK ASSEMBLY ATTACHMENT TO STEEL JAMB



TRACK ASSEMBLY ATTACHMENT TO WOOD BACK JAMB

TRACK ASSEMBLY ATTACHMENT TO WOOD BACK JAMB



Digitally signed
by Scott A. Brown,
PE
Date: 2017-10-11
16:37:36



AlumaView® AV300

A full 3" thick, the new AV300 is the sturdiest door in the AlumaView family. The increased thickness adds increased strength and durability. With the incorporation of the U-bar trussing inside the rails, there are no obstructions to your view. The AV300 is the clear choice for auto dealerships, car washes, corrosive environments, police, fire and ambulance stations, quick lubes, repair facilities, restaurants, marinas, sports facilities and buildings with large opening sizes.



Integral U-Bar

The first 3" thick aluminum door in the industry provides even greater strength and durability. With an integral U-bar the truss is contained within the rail (as required), providing a clean and unobstructed view.



Air and Water Infiltration Seals

Our EPDM bulb seal in between each section locks out wind and water from the interior of the building.



Certified Wind Load

The AV300 is wind load certified, Florida approved (FL15212) and impact rated up to 18'2" wide. +43/-48 Design PSF.



Large Sizes

Get the size you need with widths and heights available to 24'. Top and bottom rail 6½" high.



Optional Upgrades

Finishes:

- 1. Anodized Aluminum:**
Standard: Clear
Optional: Champagne, Light, Medium, Dark or Extra Dark Bronze, or Black.
- 2. Optional 187 ArmorBrite™ Colors:** Complete the building's "wow" factor by selecting the perfect offsetting color, including finishes that match anodized colors without the long lead times of anodizing.

Windows:

- 3. Glass:** Available in impact resistant, tempered, tinted, double-pane, insulated, acrylic, or polycarbonate in a variety of thicknesses.
- 4. Solid Aluminum Panel:** Ideal for busy environments, prevents glass breakage at critical heights, protecting your investment.

Hardware:

- 5. Optional EnduraCote™ Track Hardware:** Powder coated hardware and nylon rollers provides a finished, clean look to your door.
- 6. Optional High-Cycle Springs:** Providing long, reliable operation in high traffic areas.
- 7. Customized Track:** Available to fit special clearances, inclines or contours.
- 8. Locks:** Raynor locks give you true security, with the strongest spring loaded, positive engaging lock in the market. The extra thick, "jiggle-proof" lock bar is also equipped with an all-weather handle cover.
- 9. Carbon Monoxide Vents:** Channels fumes outside when door is closed.
- 10. Weather Seals:** Flexible vinyl flap header seal and EPDM rubber jamb seals are available to reduce air infiltration by sealing the door when closed.

Standard Limited Warranty*

Sections: 5-years

Hardware, Track and Springs: 1-year

*Limited Warranty: Visit www.raynor.com *products for complete Limited Warranty details.