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Product Approval
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OFFICE OF THE SECRETARY

| FL # | FL18604-R2 | | | | | | | | |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|---------|------|---------|------|---------|------|
| Application Type | Revision | | | | | | | | |
| Code Version | 2017 | | | | | | | | |
| Application Status | Validated | | | | | | | | |
| Comments | | | | | | | | | |
| Archived | <input type="checkbox"/> | | | | | | | | |
| Product Manufacturer | SOUTH FLORIDA ROLLING DOOR, INC. | | | | | | | | |
| Address/Phone/Email | 3590 NW 34 St MIAMI, FL 33142 (305) 556-6633 aboveall2003@bellsouth.net | | | | | | | | |
| Authorized Signature | Yiping Wang mcy@mcyengineering.com | | | | | | | | |
| Technical Representative | | | | | | | | | |
| Address/Phone/Email | | | | | | | | | |
| Quality Assurance Representative | | | | | | | | | |
| Address/Phone/Email | | | | | | | | | |
| Category | Exterior Doors | | | | | | | | |
| Subcategory | Roll-Up Exterior Door Assemblies | | | | | | | | |
| Compliance Method | Certification Mark or Listing | | | | | | | | |
| Certification Agency | National Accreditation & Management Institute | | | | | | | | |
| Validated By | Sifu Zhou, P.E. <input type="checkbox"/> Validation Checklist - Hardcopy Received | | | | | | | | |
| Referenced Standard and Year (of Standard) | <table border="0"> <thead> <tr> <th>Standard</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>TAS 201</td> <td>1994</td> </tr> <tr> <td>TAS 202</td> <td>1994</td> </tr> <tr> <td>TAS 203</td> <td>1994</td> </tr> </tbody> </table> | Standard | Year | TAS 201 | 1994 | TAS 202 | 1994 | TAS 203 | 1994 |
| Standard | Year | | | | | | | | |
| TAS 201 | 1994 | | | | | | | | |
| TAS 202 | 1994 | | | | | | | | |
| TAS 203 | 1994 | | | | | | | | |
| Equivalence of Product Standards Certified By | | | | | | | | | |
| Product Approval Method | Method 1 Option A | | | | | | | | |
| Date Submitted | 08/31/2018 | | | | | | | | |
| Date Validated | 08/31/2018 | | | | | | | | |

Summary of Products

| FL # | Model, Number or Name | Description |
|---------|--------------------------------|--------------------------------------------|
| 18604.1 | Series 1675 Steel Rolling Door | Series 1675 Steel Rolling Door (LMI & SMI) |

| | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +75/-75 Other: Max. door width 16'-9 1/2". See installation instructions for NOA #14-1001.05 and limitations of use.</p> | | <p>Certification Agency Certificate FL18604_R2_C_CAC_NOA_14-1001.05.pdf Quality Assurance Contract Expiration Date 04/16/2020 Installation Instructions FL18604_R2_II_Limitations of use .pdf FL18604_R2_II_NOA_14-1001.05.pdf Verified By: Yiping Wang PE #55983 Created by Independent Third Party: Yes Evaluation Reports Created by Independent Third Party:</p> |
| <p>18604.2</p> | <p>Series 1675 Steel Rolling Door</p> | <p>Series 1675 Steel Rolling Door (LMI & SMI)</p> |
| <p>Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +75/-75 Other:</p> | | <p>Certification Agency Certificate FL18604_R2_C_CAC_NI014189.pdf Quality Assurance Contract Expiration Date 08/31/2020 Installation Instructions FL18604_R2_II_07.05.2018_AD14-11_final_FA_SS.pdf Verified By: National Accreditation & Management Institute Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:</p> |

[Back](#) [Next](#)

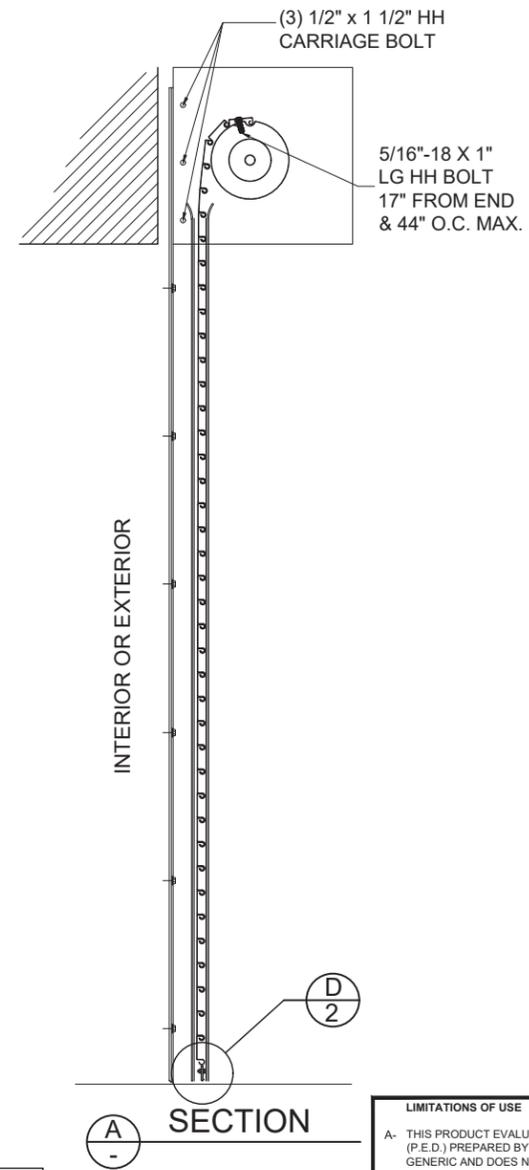
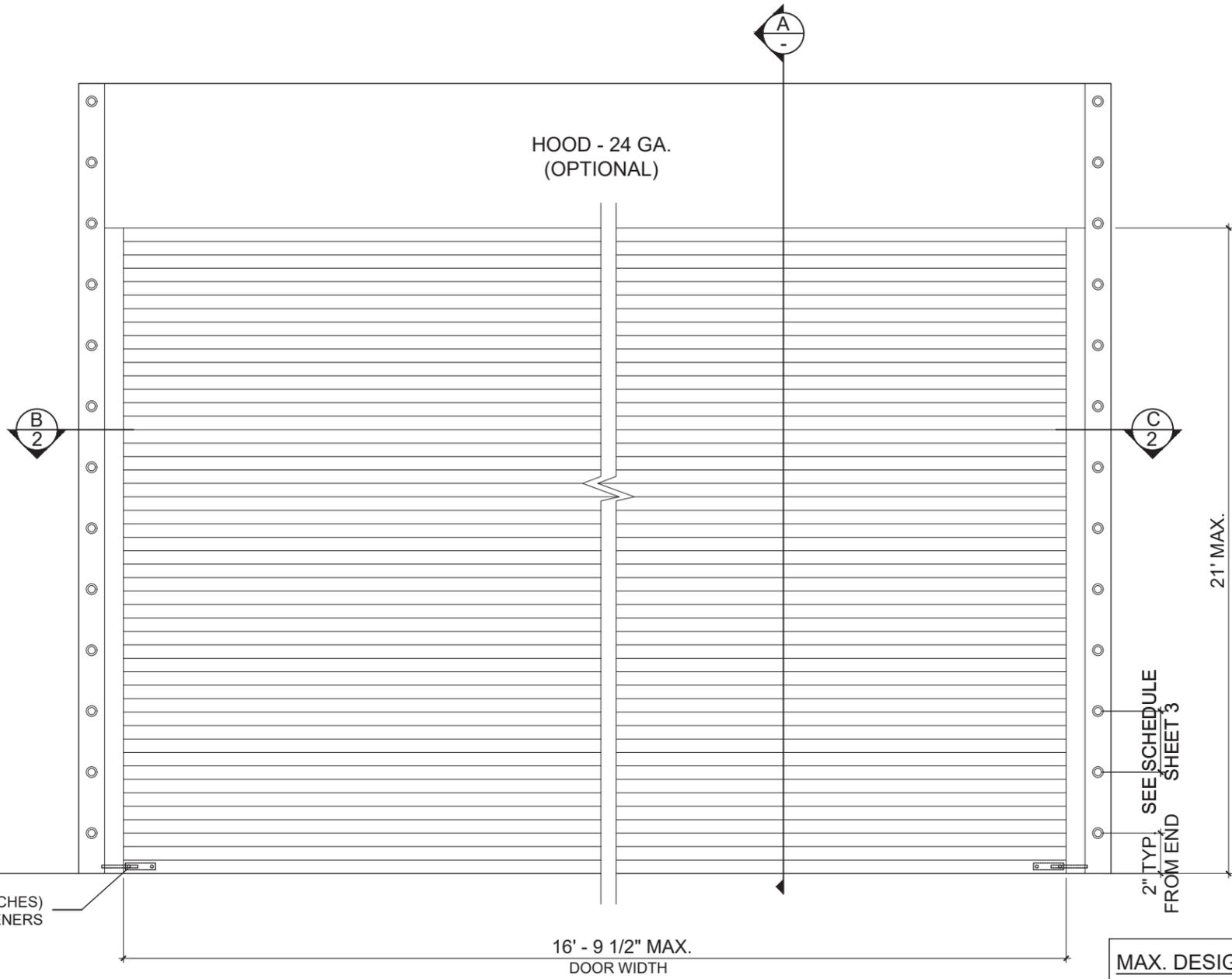
Contact Us :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

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Product Approval Accepts:





MAX. DESIGN LOADS
 + 75 PSF
 - 75 PSF

TYPICAL ELEVATION

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2017 FLORIDA BUILDING CODE 6TH EDITION. INCLUDED HIGH VELOCITY HURRICANE ZONE (HVHZ).
- THE ROLLING UP DOOR HAVE BEEN TESTED AS PER FBC 2010 TAS 201, 202 AND 203 FOR LARGE MISSILE IMPACT. FORCE ENTRY RESISTANCE TEST PER AAMA 1303.5 IN ACCORDANCE WITH CHAPTER 17 OF THE 2010 FBC.
- DESIGN LOAD SHALL BE DETERMINED BASED ON BASIC WIND SPEED, BUILDING HEIGHT AND WIND ZONE USING APPLICABLE ASCE 7 STANDARD
- ULTIMATE DESIGN LOAD OBTAINED FROM ASCE 7-10, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO DESIGN LOAD IN THIS DOCUMENT.

- HOOD TO BE 24 GA. ASTM A653 DESIGNATION G - 90 FINISH TYPE COATING
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2017 FLORIDA BUILDING CODE SECTION AS APPLICABLE.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE EXISTING STRUCTURE IS DESIGNED TO SUPPORT Vx & Vy FORCES AT BOTH JAMBS. REFER TO SHEET 3 FOR Vx AND Vy.

LIMITATIONS OF USE

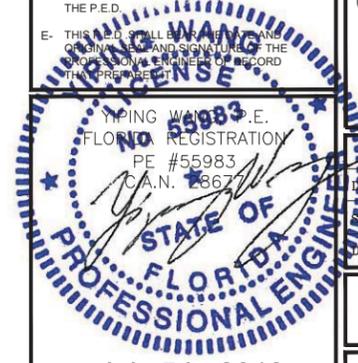
A- THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.

B- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.

C- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

D- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D.

E- THIS P.E.D. SHALL BE VOID IF ANY ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD IS ALTERED OR REMOVED.



| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
| | | |
| | | |
| | | |

MCY ENGINEERING, INC.
 GLAZING CONSULTANTS

8501 SW 124 AVE STE. 205A P: 305.271.0117
 MIAMI, FL 33183 F: 786.573.5063

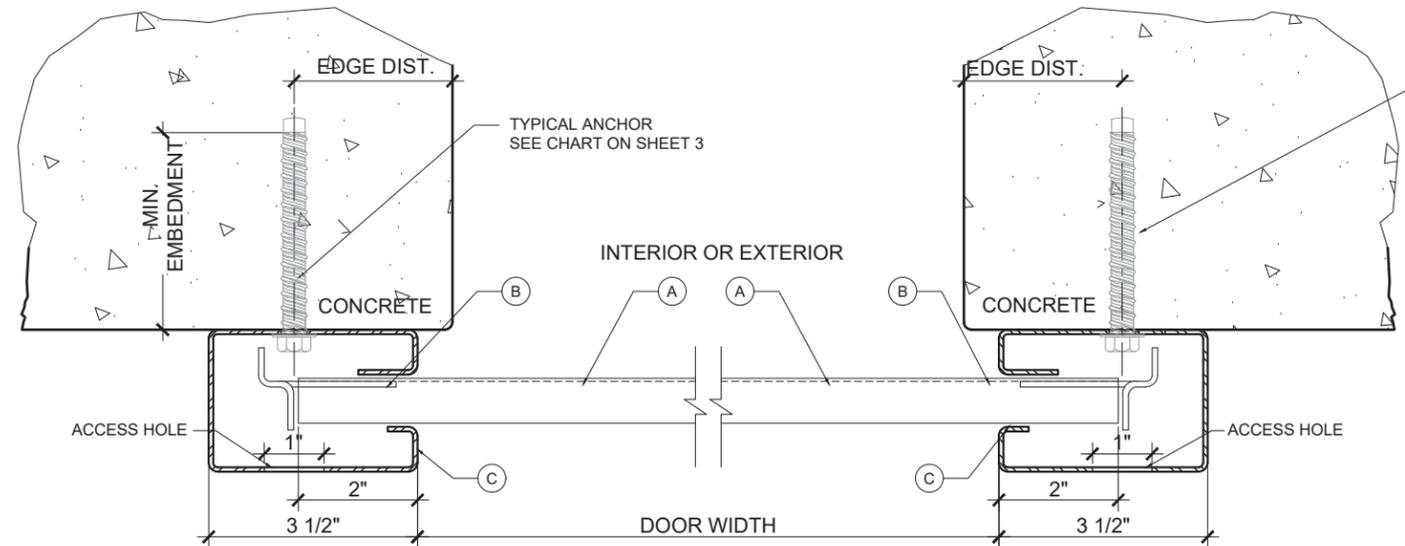
www.MCYEngineering.com MCY.Engineering@Att.net

SERIES 1675 ROLLING DOOR (LMI & SMI)
SOUTH FLORIDA ROLLING DOORS, INC.
 3590 NW 34TH ST.
 MIAMI, FL 33142
 P: (305) 556 - 6633 P: (305) 362 - 9477

| | |
|-------|----------|
| FL# | 18604 |
| DATE | 09-24-14 |
| SCALE | AS NOTED |
| DRAWN | Joe |

DRAWING NO.
 AD14-11

July 5th, 2018

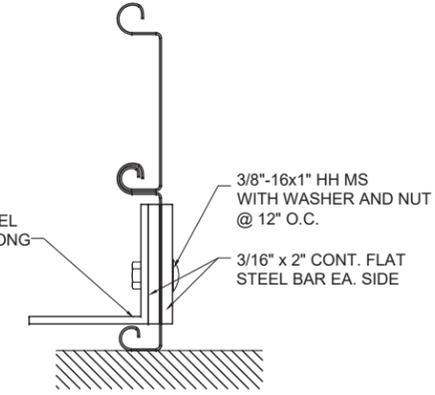


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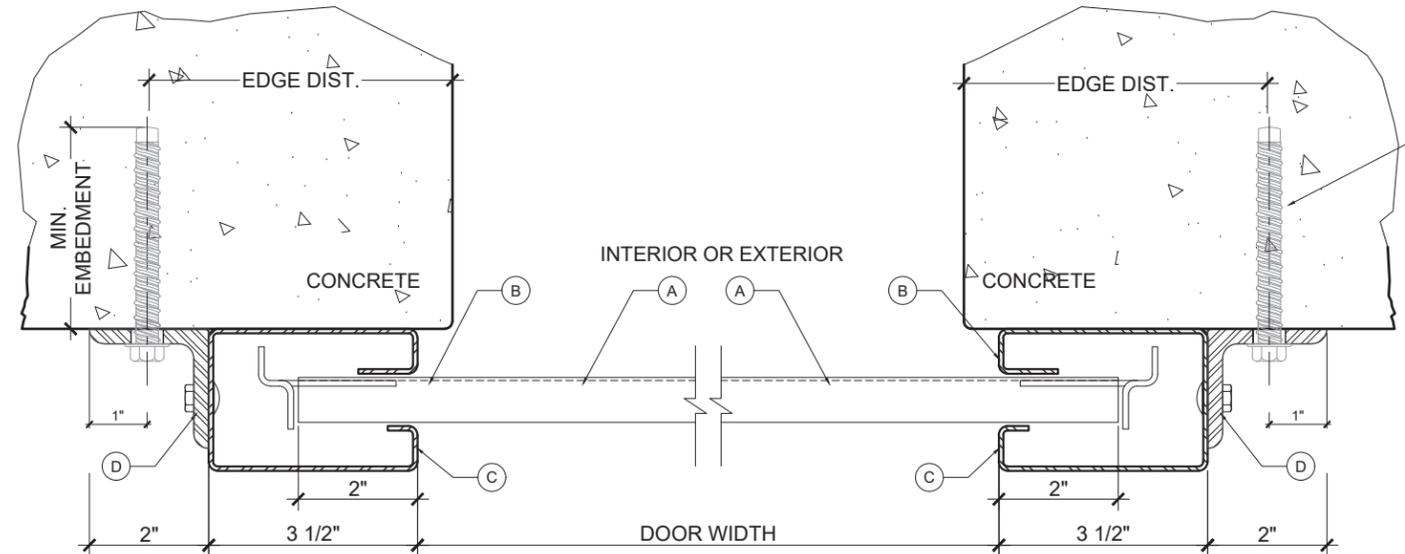
C

TYPICAL ANCHOR
SEE CHART ON SHEET 3

2" x 2" x 1/8" STEEL
ANGLE 11 7/8" LONG
AT EACH END



D BOTTOM BAR DETAIL



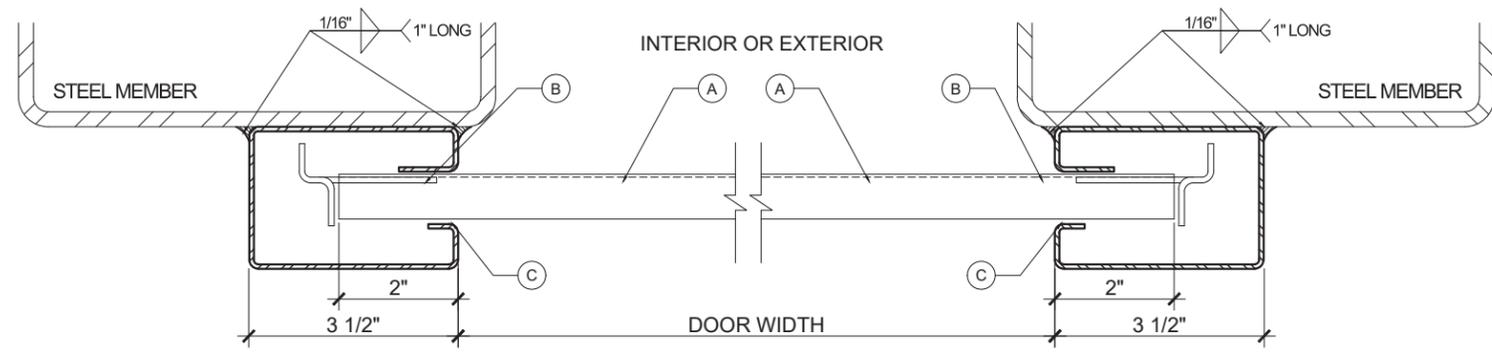
B

C

TYPICAL ANCHOR
SEE CHART ON SHEET 3

NOTES:
DOOR MAY BE INSTALLED ON THE INSIDE OR
OUTSIDE OF AN EXISTING OPENING.

THE DETAILS CAN BE USED IN ANY
COMBINATION.



B

C

| NO. | DATE | DESCRIPTION |
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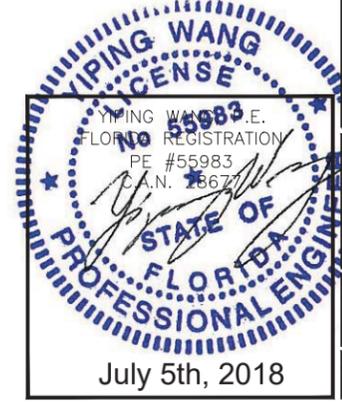
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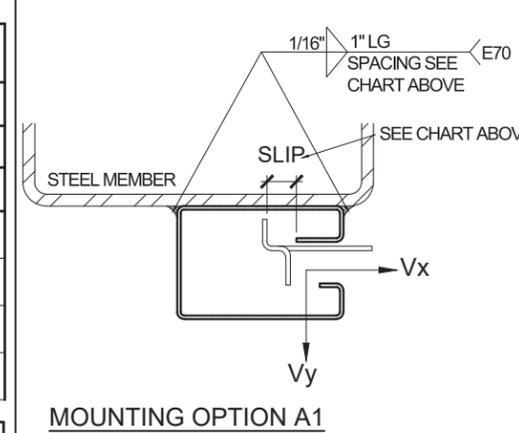
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AD14-11

SHEET 2 of 4

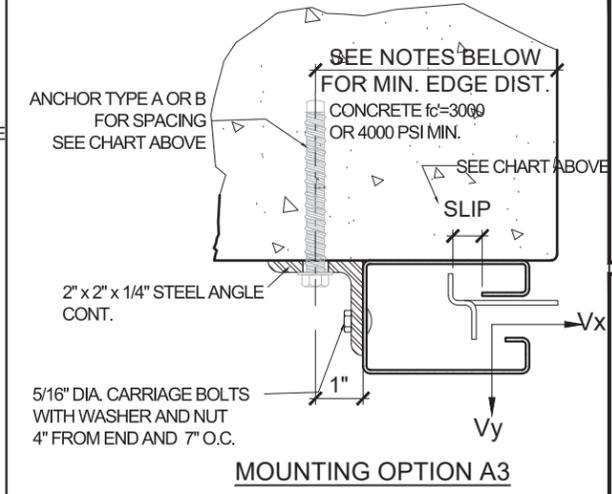
July 5th, 2018

| MAXIMUM DESIGN LOAD (PSF) | DOOR WIDTH (IN) | DESIGN SLIP (IN) | MAX. LOADS AT EACH SIDE OF JAMB | | ANCHOR SPACING (INCHES) | | | | | | |
|---------------------------|-----------------|------------------|---------------------------------|------------------------|-------------------------|-------------|--------|--------|-------------|--------|--------|
| | | | V _x (LB/FT) | V _y (LB/FT) | MOUNTING A1 | MOUNTING A2 | | | MOUNTING A3 | | |
| | | | | | TYPE D | TYPE A | TYPE B | TYPE C | TYPE A | TYPE B | TYPE C |
| ±68 | ≤ 201.5 | 3/4 | 2050 | 591 | 7 1/2" | 4 1/8" | 6 1/4" | 8" | 4 3/4" | 6 7/8" | 8" |
| | 180 | 1/2 | 2043 | 530 | 7 3/4" | 4 1/8" | 6 1/4" | 8" | 4 5/8" | 6 7/8" | 8" |
| | 156 | 3/8 | 1818 | 462 | 8 3/4" | 4 5/8" | 7" | 8" | 5 1/4" | 7 3/4" | 8" |
| | 132 | 1/4 | 1600 | 394 | 10" | 5 1/4" | 8" | 8" | 6" | 8" | 8" |

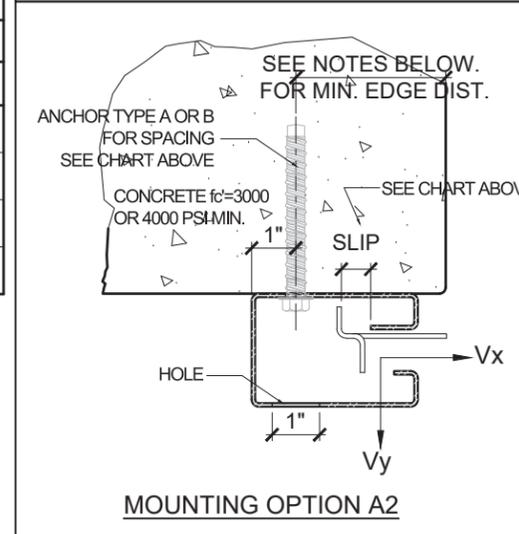
| MAXIMUM DESIGN LOAD (PSF) | DOOR WIDTH (IN) | DESIGN SLIP (IN) | MAX. LOADS AT EACH SIDE OF JAMB | | ANCHOR SPACING (INCHES) | | | | | | |
|---------------------------|-----------------|------------------|---------------------------------|------------------------|-------------------------|-------------|--------|--------|-------------|--------|--------|
| | | | V _x (LB/FT) | V _y (LB/FT) | MOUNTING A1 | MOUNTING A2 | | | MOUNTING A3 | | |
| | | | | | TYPE D | TYPE A | TYPE B | TYPE C | TYPE A | TYPE B | TYPE C |
| ±75 | ≤ 201.5 | 3/4 | 2265 | 652 | 7 1/2" | - | 6 5/8" | 7 3/4" | 5" | 7 1/4" | 8 1/4" |
| | 180 | 1/2 | 2261 | 584 | 7 3/4" | - | 6 5/8" | 7 3/4" | 5" | 7 1/4" | 8 1/4" |
| | 156 | 3/8 | 2022 | 509 | 8 3/4" | 5" | 7 3/8" | 8" | 5 5/8" | 8 1/8" | 8 1/4" |
| | 132 | 1/4 | 1794 | 434 | 10" | 5 5/8" | 8" | 8" | 6 3/8" | 8 1/4" | 8 1/4" |



MOUNTING OPTION A1



MOUNTING OPTION A3



MOUNTING OPTION A2

| NO | DATE | DESCRIPTION |
|----|------|-------------|
| | | |
| | | |

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| FL# | 18604 |
| DATE | 09-24-14 |
| SCALE | AS NOTED |
| DRAWN | Joe |
| DRAWING NO. | AD14-11 |
| SHEET | 3 of 4 |

TYPICAL ANCHORS @ JAMB:

(SEE CHART FOR SPACING)

TYPE A. 1/2" DIA. LDT ANCHOR BY ITW (SEE CHART FOR SPACING)
 DIRECTLY INTO fc'=3000 OR 4000 PSI CONCRETE,
 4 1/2" MIN. EMBED.
 MIN EDGE 4" @ MOUNTING A2
 MIN EDGE 4" @ MOUNTING A3

TYPE B. 3/8" DIA. WEDGE BOLT ANCHOR BY POWER
 DIRECTLY INTO CONCRETE fc'=3000 OR 4000 PSI MIN.
 3 1/2" MIN. EMBED
 MIN EDGE 4" @ MOUNTING A2
 MIN EDGE 4" @ MOUNTING A3

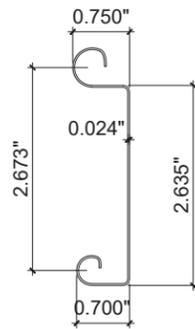
TYPE C. 1/2" DIA. WEDGE BOLT ANCHOR BY POWER
 DIRECTLY INTO CONCRETE fc'=3000 OR 4000 PSI MIN.
 4" MIN. EMBED
 MIN EDGE 5" @ MOUNTING A2
 MIN EDGE 5" @ MOUNTING A3

TYPE D 1/16" x 1" LONG WELDS ELECTRODE E70
 WELDED TO STEEL 3/16" MIN. THICK STEEL : Fy = 36 KSI MIN.
 MOUNTING A1

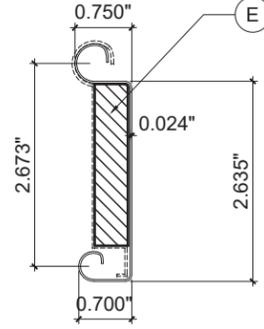
TYPE E. 5/16 DIA. CARRIAGE BOLTS W/ WASHER & NUTS
 CONNECT STEEL ANGLE TO TRACK @ 7" O.C.
 MOUNTING A3



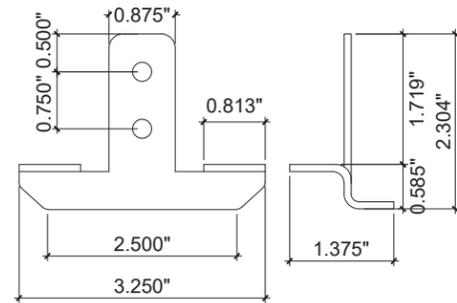
July 5th, 2018



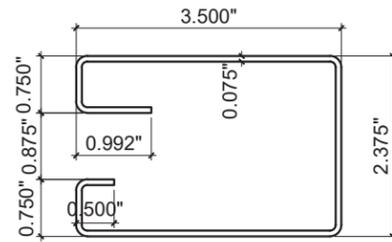
A FLAT SLAT PROFILE
24 GA



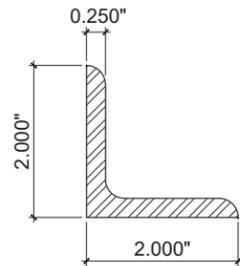
A INSULATED FLAT SLAT
OPTIONAL 24 GA



B WINDLOCKS
11 GA



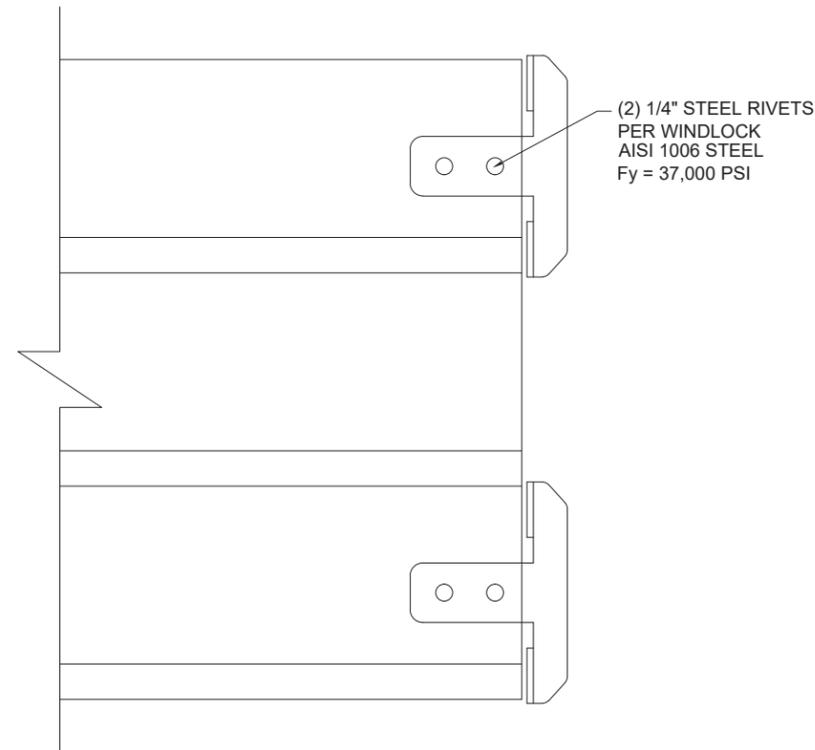
C ROLLFORMED STEEL TRACK



D 2 x 2 x 1/4" STEEL ANGLE

BILL OF MATERIALS

| ITEM # | QTY. | DESCRIPTION | MATERIAL | MANUFACTURER/REMARKS |
|--------|------------------|--------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------|
| A | AS REQD | 24GA (0.024") FLAT SLAT | GALVANIZED STEEL OR STAINLESS STEEL | ASTM A653 Fy = 57 KSI OR STAINLESS STEEL AISI 304 Fy = 57KSI . SOUTH FLORIDA ROLLING DOOR, CORP |
| B | EVERY OTHER SLAT | 11 GA WINDLOCKS | PLATED STEEL | ASTM A36 MIN. SOUTH FLORIDA ROLLING DOOR, CORP. |
| C | 2 PER FRAME | ROLLFORMED STEEL TRACK | GALVANIZED STEEL | ASTM A36 MIN. |
| D | AS REQD. | 2 x 2 x 1/4" STEEL ANGLE | GALVANIZED STEEL | ASTM A36 MIN. |
| E | AS REQD. | EXPANDED POLYSTYRENE BLOCK TYPE INSULATION | POLYSTYRENE | DYPLAST PRODUCTS LLC. (NOA 11-0926.07) |



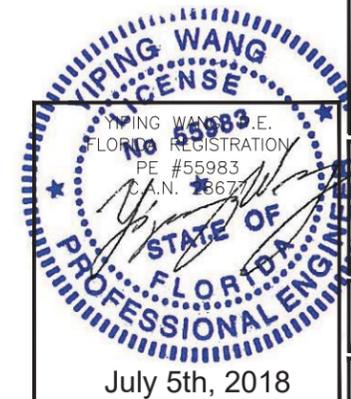
INTERLOCKING SLATS W/ WINDLOCKS @ EVERY OTHER SLAT

| NO. | DATE | DESCRIPTION |
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SHEET 4 of 4