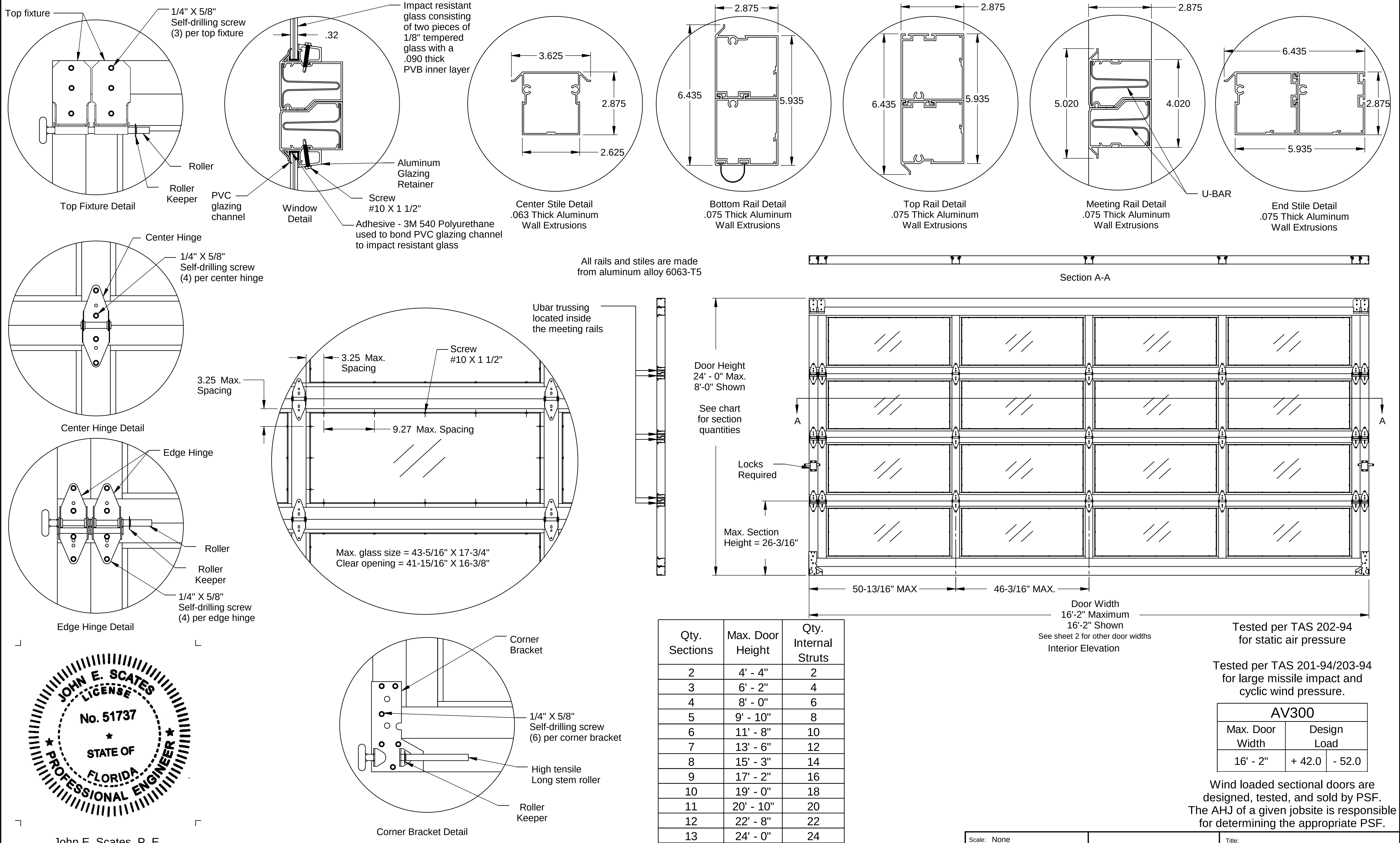




All rails and stiles are made from aluminum alloy 6063-T5

Door Height 24' - 0" Max. 8'-0" Shown

See chart for section quantities

Locks Required

Max. Section Height = 26'-3/16"

50'-13/16" MAX 46'-3/16" MAX.

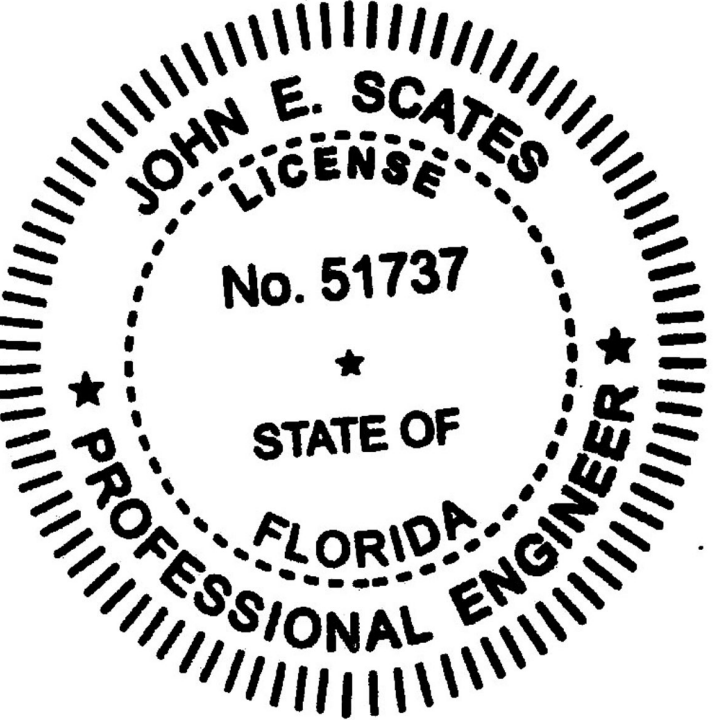
Door Width 16'-2" Maximum 16'-2" Shown See sheet 2 for other door widths Interior Elevation

Tested per TAS 202-94 for static air pressure

Tested per TAS 201-94/203-94 for large missile impact and cyclic wind pressure.

| AV300           |             |        |
|-----------------|-------------|--------|
| Max. Door Width | Design Load |        |
| 16' - 2"        | + 42.0      | - 52.0 |

Wind loaded sectional doors are designed, tested, and sold by PSF. The AHJ of a given jobsite is responsible for determining the appropriate PSF.



John E. Scates, P. E.  
2560 King Arthur Blvd, Ste 124-54  
Lewisville, TX 75056  
FL PE #51737

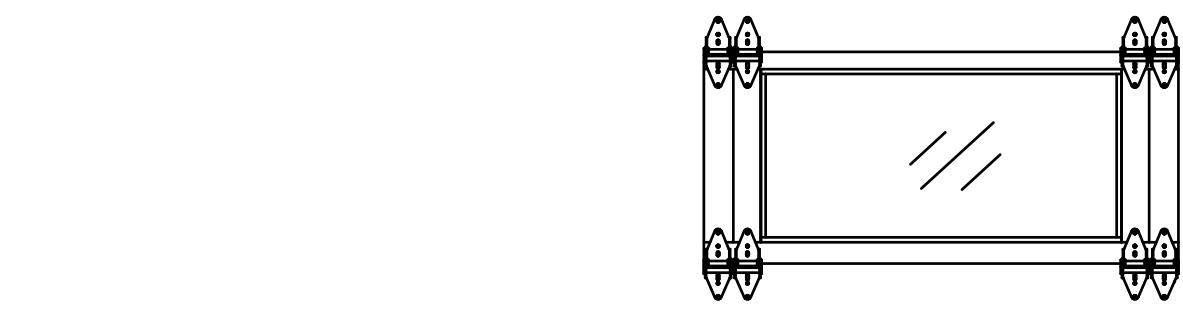
Digitally signed by John E Scates  
Date: 2023.09.29 08:39:30 -05'00'

Complies with the Wind Load requirements of the IBC/IRC 2018

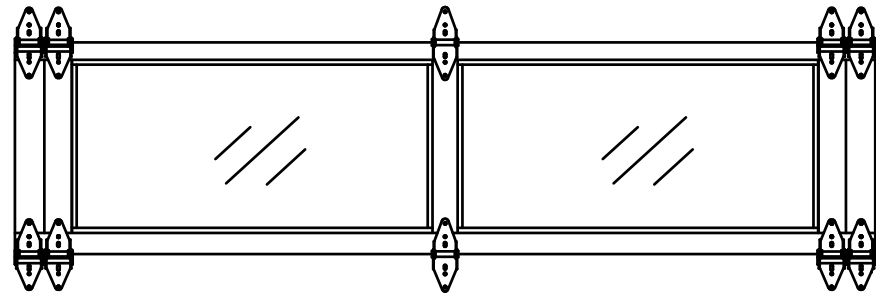
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

|      |                                                                    |         |          |                         |
|------|--------------------------------------------------------------------|---------|----------|-------------------------|
| B    | Updated border, added IBC/IRC & PSF notes, was kwikbolt 3 on sht.3 | 8940.01 | 09/25/23 | Scale: None             |
| A    | Released for production                                            | 7237.02 | 11/30/16 | Drawn by: G. Wedekind   |
| Rev. | Description                                                        | ECO     | Date     | Checked by: G. Wedekind |
|      |                                                                    |         |          | Date: 09/06/16          |
|      |                                                                    |         |          | ECO: 7237.02            |

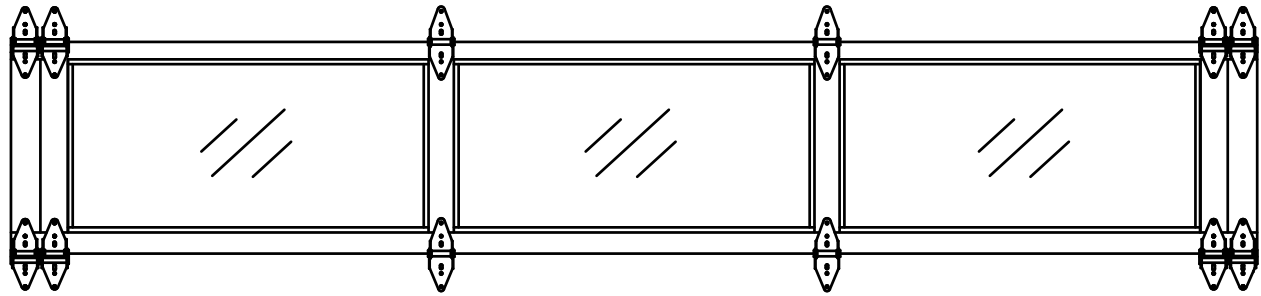
|                                                                                                                                   |                                    |                 |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------|----------|
| <br>1101 East River Road<br>Dixon, IL. 61021 | Title:<br>Spec, Wind Load<br>AV300 |                 | Rev<br>B |
|                                                                                                                                   |                                    |                 |          |
| No.                                                                                                                               | P-3338                             | Sheet<br>1 of 3 |          |



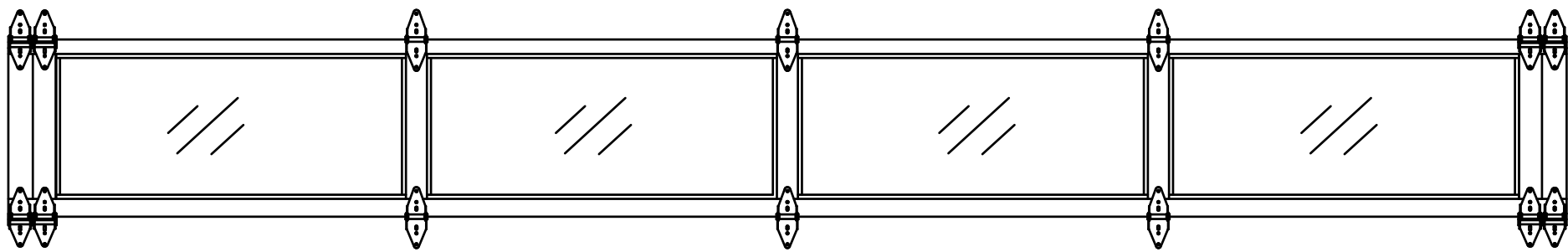
1 Panel Wide  
4' - 7-7/16" Max. Width



2 Panels Wide  
8' - 5-5/8" Max. Width

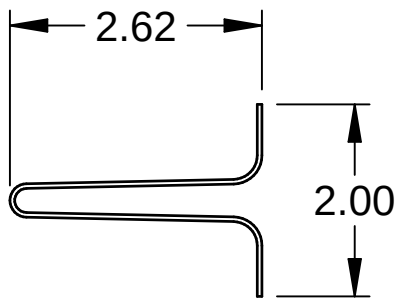


3 Panels Wide  
12' - 3" Max. Width

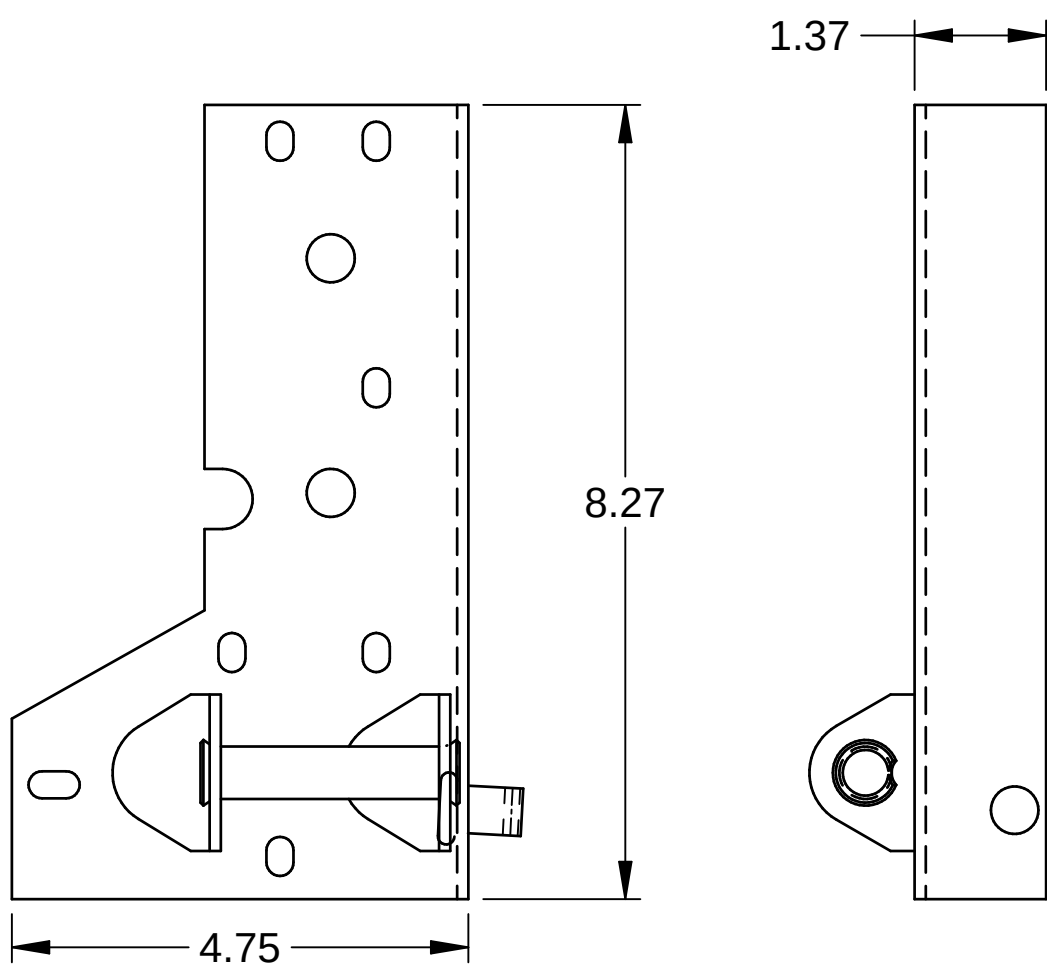


4 Panels Wide  
16' - 2" Max. Width

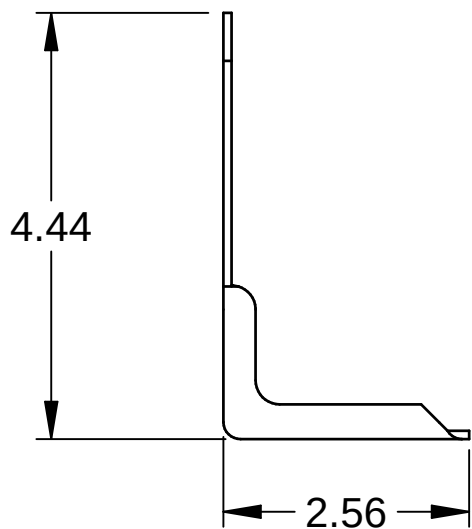
Center stile and panel layout  
Interior view  
Intermediate sections shown



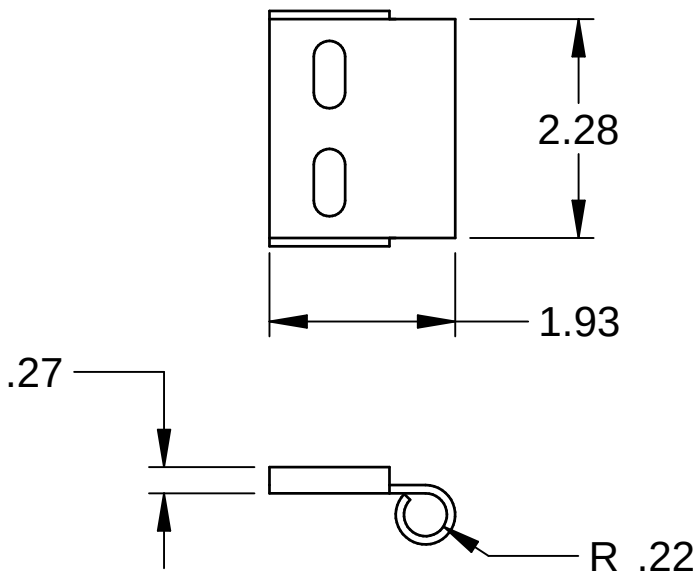
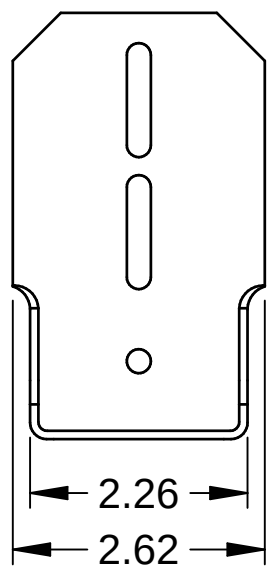
Scale: 1:2  
U-bar  
.049 80 KSI Galv. Steel



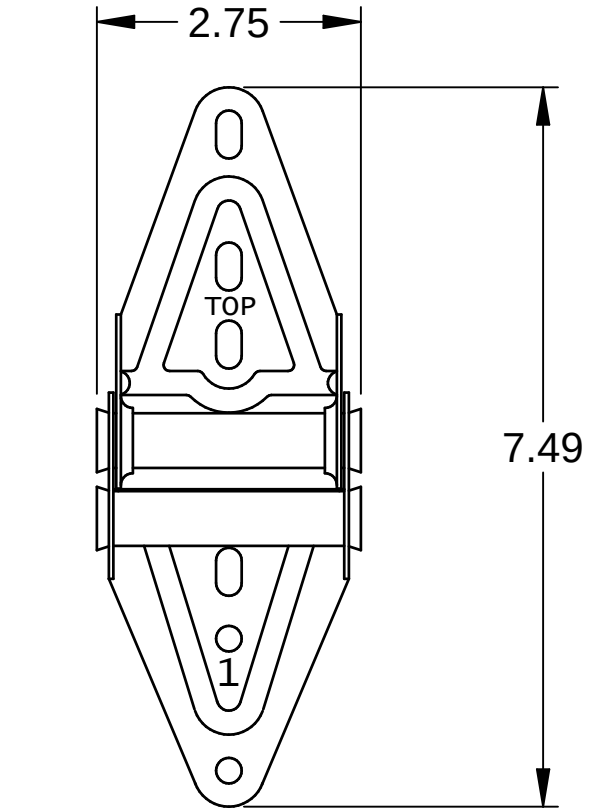
Scale 1:2  
Corner Bracket(.086 MIN)  
Galv. Steel



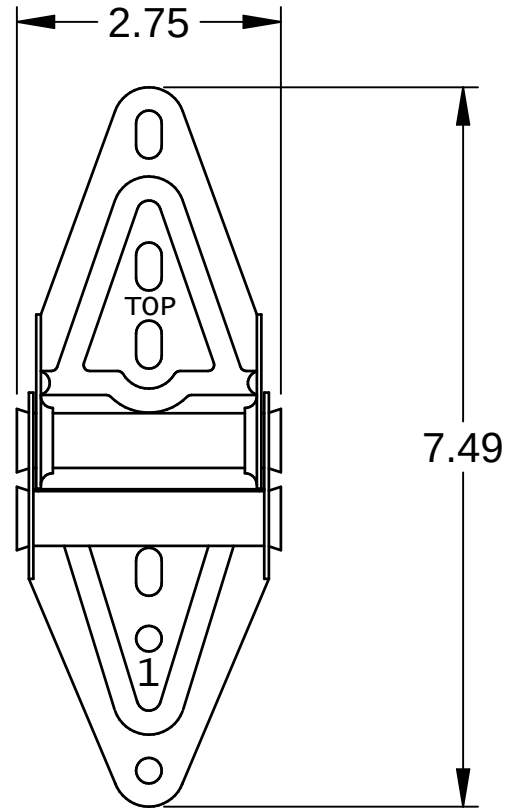
Scale 1:2  
Top Fixture  
.086 Galv. Steel



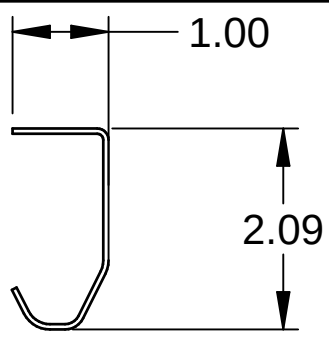
Scale: 1:2  
Roller Carrier  
.116 Galv. Steel  
Attached to light commercial top fixture  
with (2) track bolts and whiz nuts



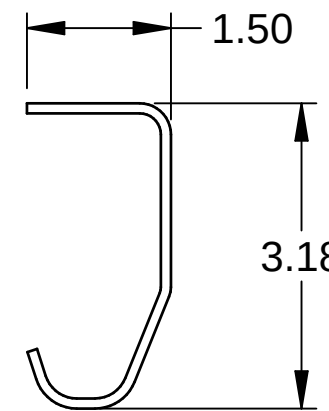
Scale: 1:2  
Center Hinge  
.055 Galv. Steel



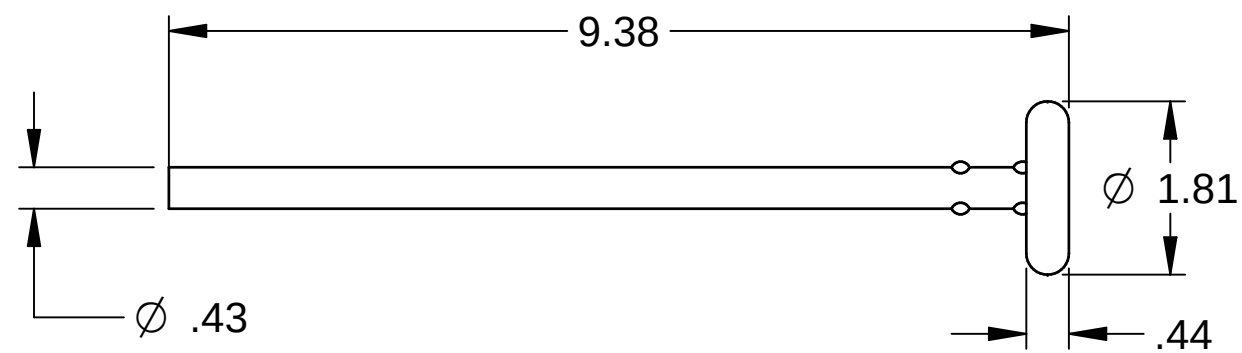
Scale 1:2  
Edge Hinge  
.086 Galv. Steel



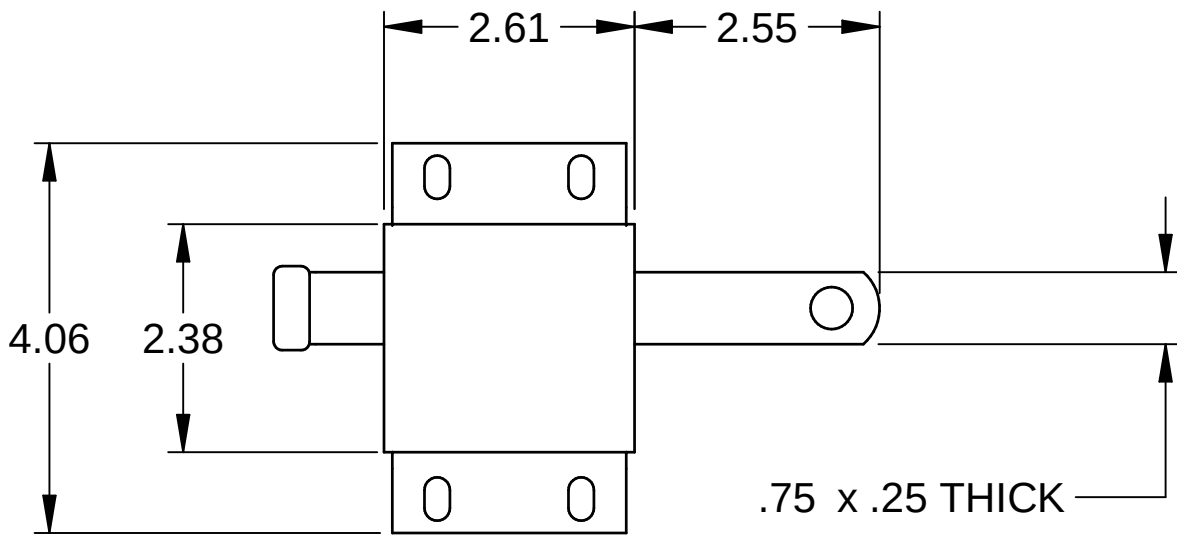
Scale: 1:2  
2" Track  
.086 Min. Galv. Steel



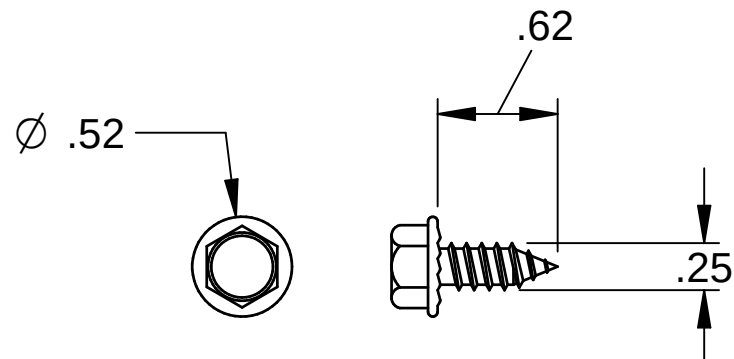
Scale: 1:2  
3" Track (Optional)  
.105 Galv. Steel



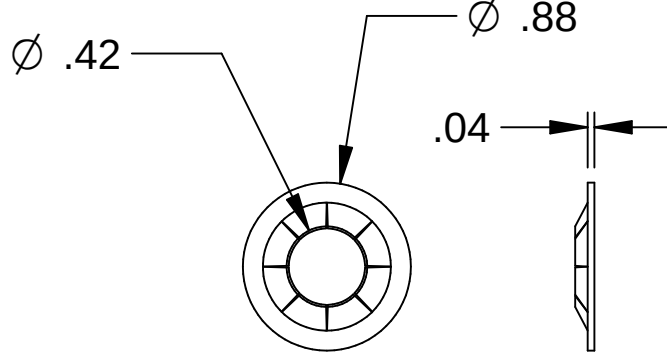
Scale 1:2  
Track Roller  
80 KSI Tensile Steel Shaft



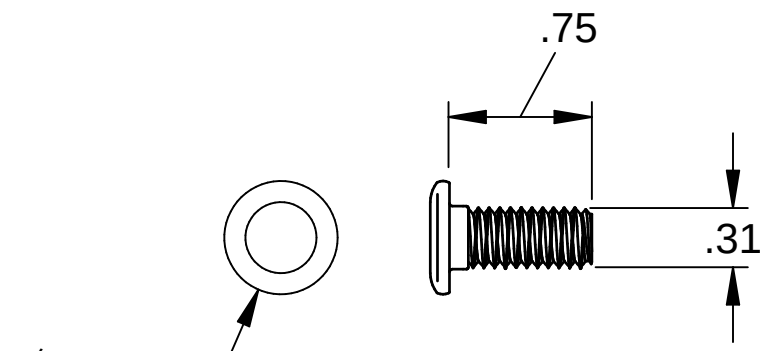
Scale 1:2  
Slide Lock  
Case .086 Galv. Steel



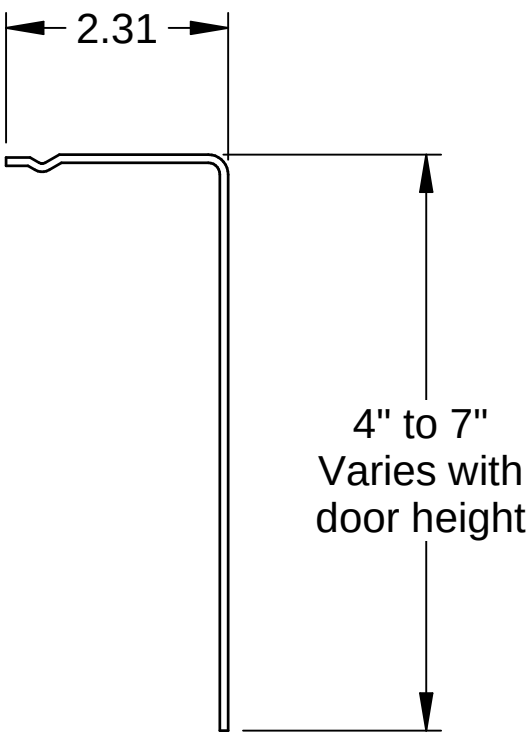
Scale: 1:1  
Sheet Metal Screw



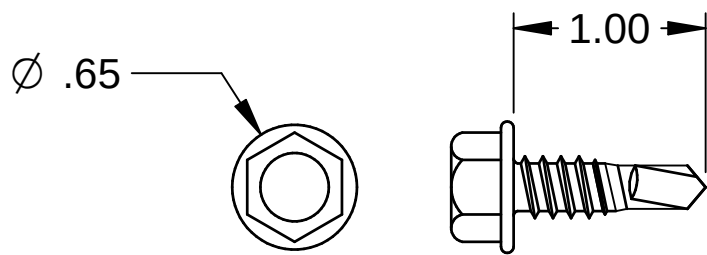
Scale: 1:1  
Retaining Nut



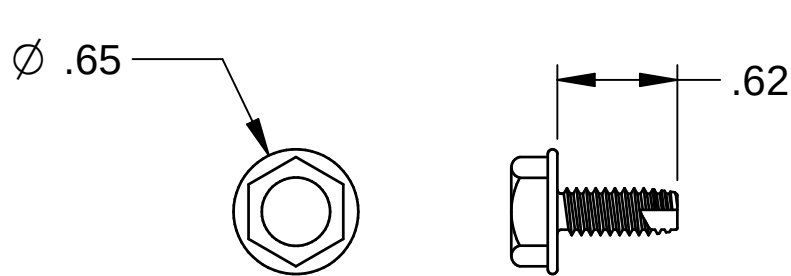
Scale 1:1  
Track Bolt



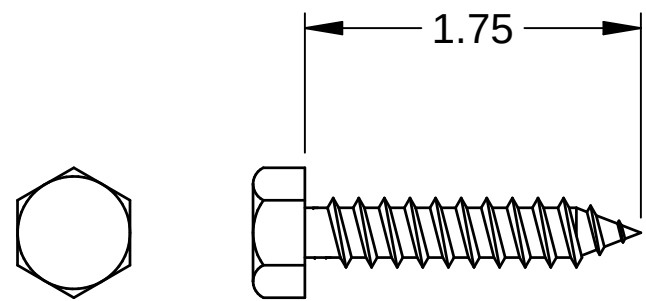
Scale 1:2  
Angle Mount  
.086 Galv. Steel



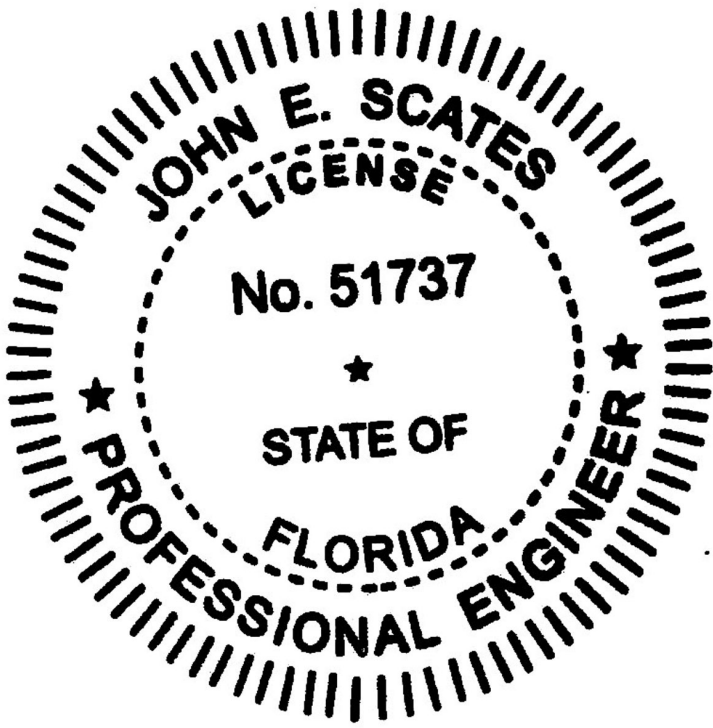
Scale: 1:1  
5/16" X 1" Self-Drilling  
Screw



Scale: 1:1  
5/16" X 5/8" Thread  
Cutting Screw



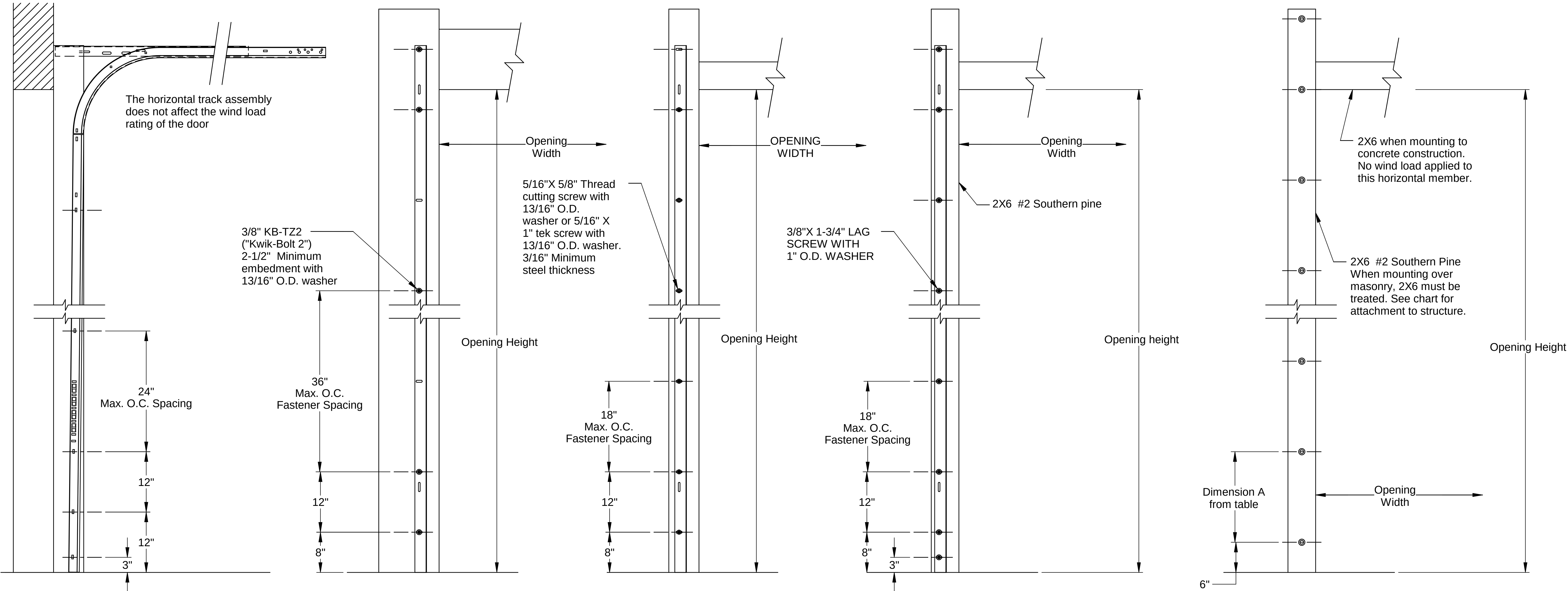
Scale: 1:1  
3/8" X 1-3/4" Lag  
Screw



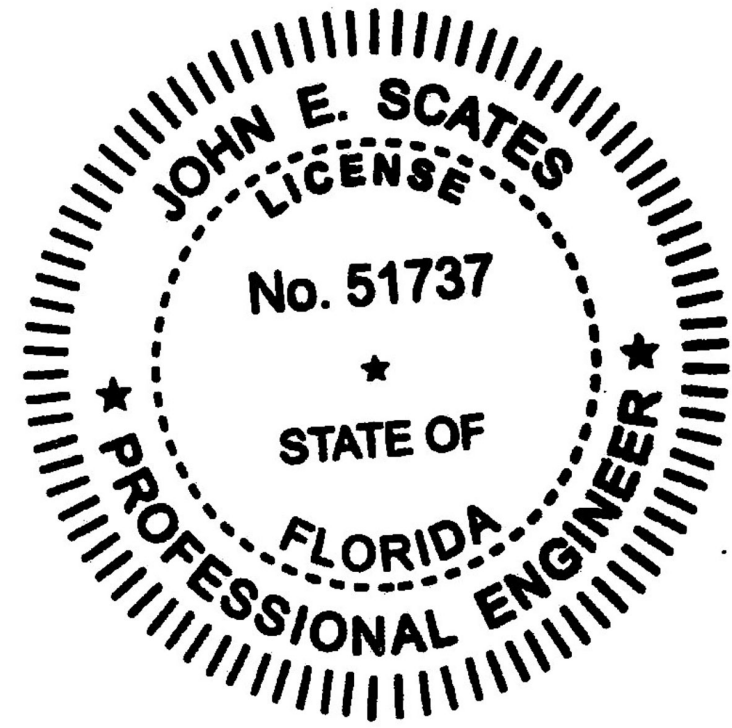
John E. Scates, P. E.  
2560 King Arthur Blvd, Ste 124-54  
Lewisville, TX 75056  
FL PE #51737

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

|                         |                                                                                                                                   |                              |         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|
| Scale: None             | <br>1101 East River Road<br>Dixon, IL. 61021 | Title: Spec, Wind Load AV300 |         |
| Drawn by: G. Wedekind   |                                                                                                                                   | No. P-3338                   | Sheet 2 |
| Checked by: G. Wedekind |                                                                                                                                   |                              |         |
| Date: 09/06/16          |                                                                                                                                   |                              |         |
| ECO: 7237.02            |                                                                                                                                   |                              | Rev B   |

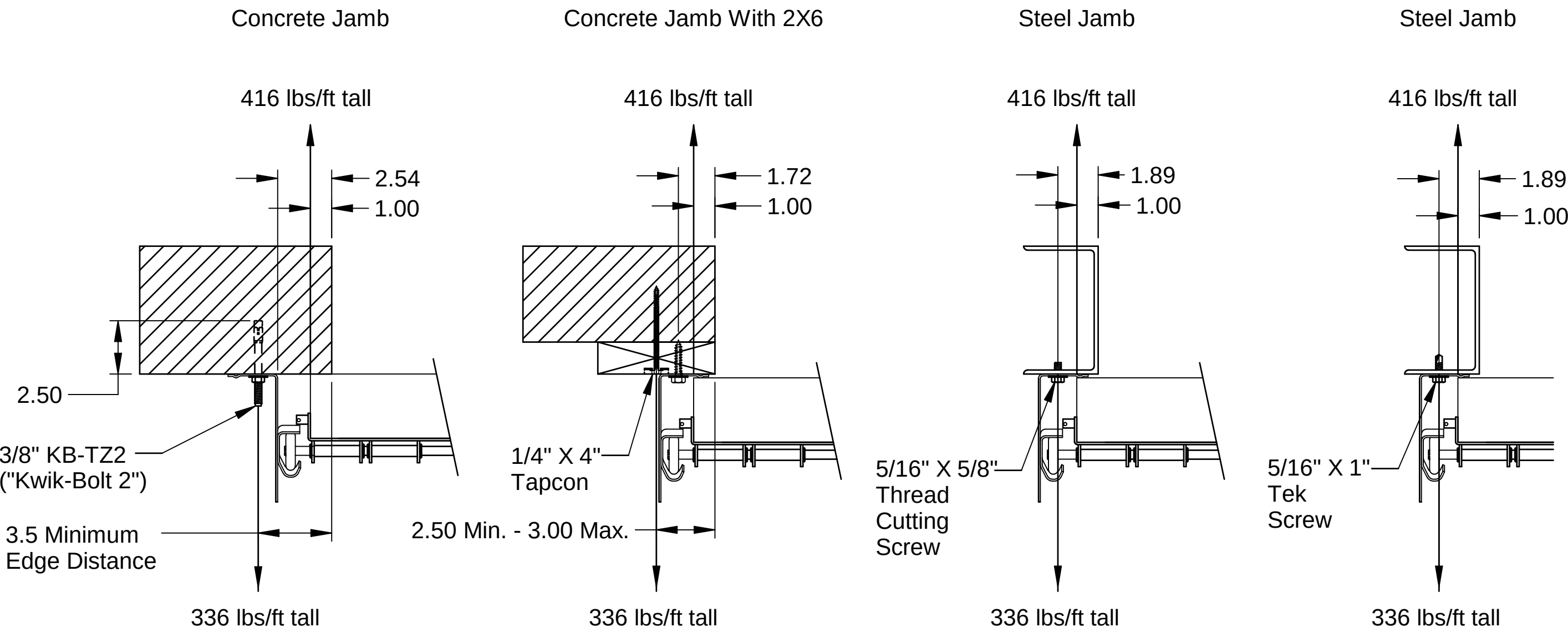


| 2X6 ATTACHMENT TO STRUCTURE |                                           |                |                    |                   |                            |                        |
|-----------------------------|-------------------------------------------|----------------|--------------------|-------------------|----------------------------|------------------------|
| Structure Type              | Fastener Type                             | Min. Embedment | Min. Edge Distance | Min. O.C. Spacing | Dim. A (Max. O.C. Spacing) | Allowable Tension Load |
| 2500 PSI Min. Concrete      | 1/4" Tapcon+ (PLUS) With 1-1/8" OD Washer | 2"             | 2.5                | 6"                | 24"                        | 691                    |
| Southern Pine               | 3/8" X 3" Lag With 1-1/8" OD Washer       | 1.50"          | 1.50"              | 1.50"             | 22"                        | 620                    |
| Spruce Pine Fir             | 3/8" X 3" Lag With 1-1/8" OD Washer       | 1.50"          | 1.50"              | 1.50"             | 17"                        | 482                    |



John E. Scates, P. E.  
2560 King Arthur Blvd, Ste 124-54  
Lewisville, TX 75056  
FL PE #51737

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



Jamb Loads Per Foot Of Door Height

|                         |                                                                                                                                       |                                 |         |       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------|-------|
| Scale: None             | <br><br>1101 East River Road<br>Dixon, IL. 61021 | Title: Spec, Wind Load<br>AV300 |         |       |
| Drawn by: G. Wedekind   |                                                                                                                                       | No. P-3338                      | Sheet 3 | Rev B |
| Checked by: G. Wedekind |                                                                                                                                       |                                 |         |       |
| Date: 09/06/16          |                                                                                                                                       |                                 |         |       |
| ECO: 7237.02            |                                                                                                                                       |                                 |         |       |