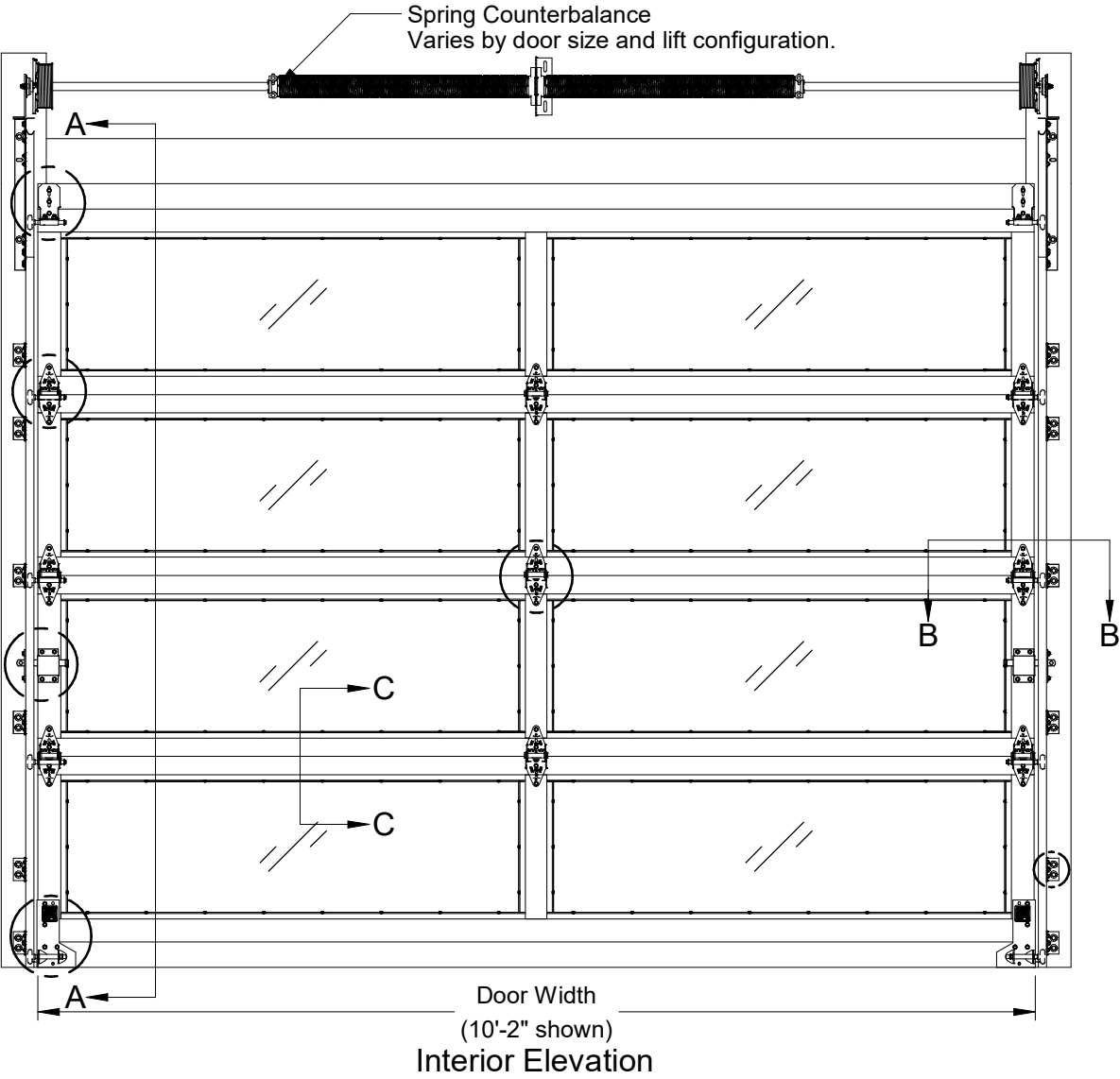




Doors tested per
ANSI/DASMA 108 for static air pressure
ANSI/DASMA 115 for large missile impact and
cyclic wind pressure

AV300				
Max. Opening Width	Max. Section Width	Stiles	Design Load	
10'-0"	10'-2"	1	45.9	-51.9

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

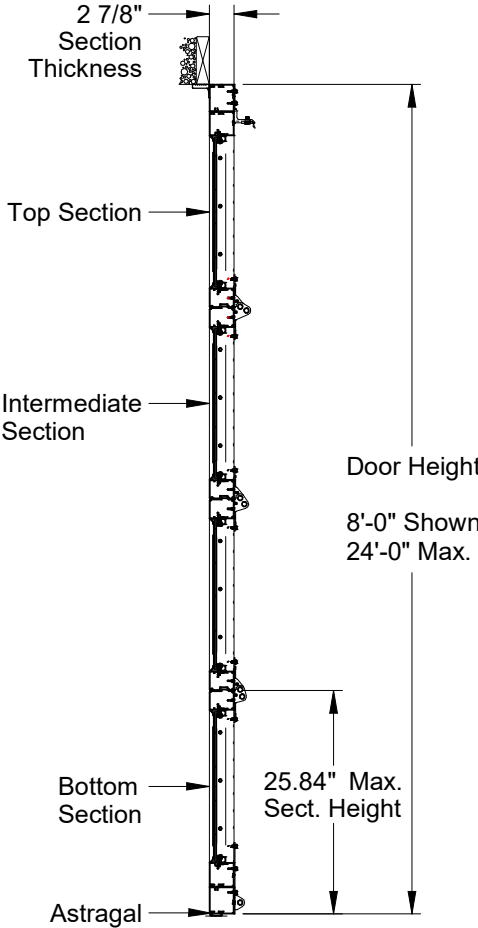
Complies with the Wind Load
requirements of the IBC/IRC 2021



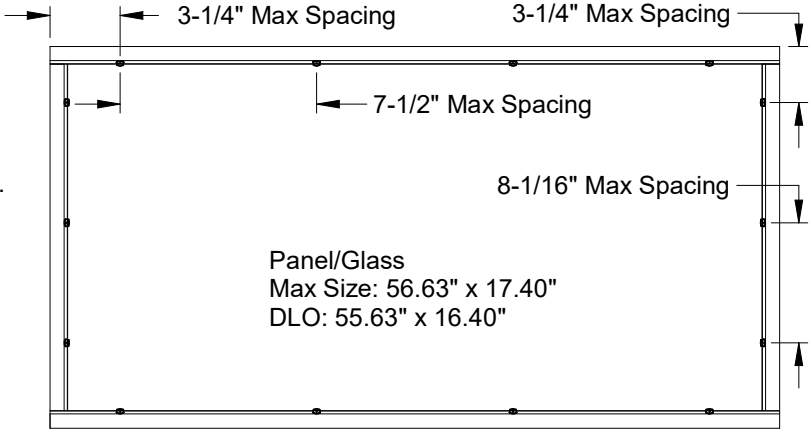
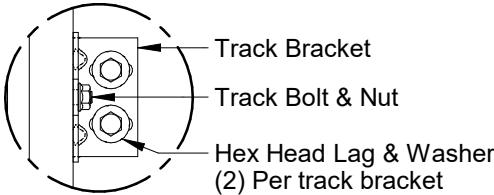
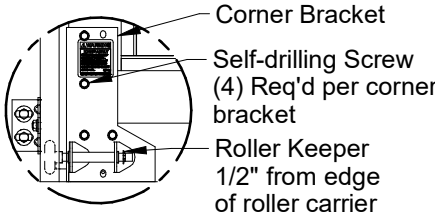
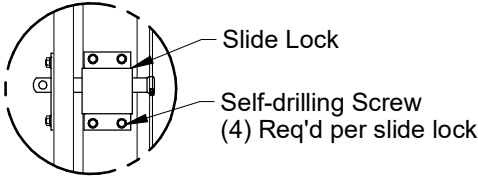
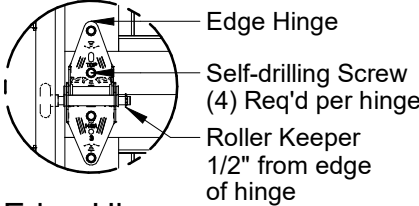
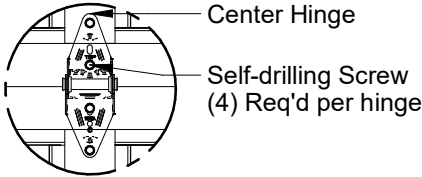
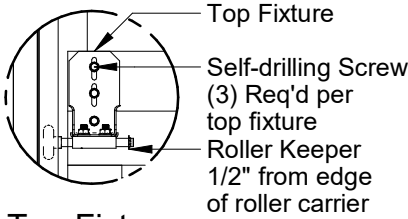
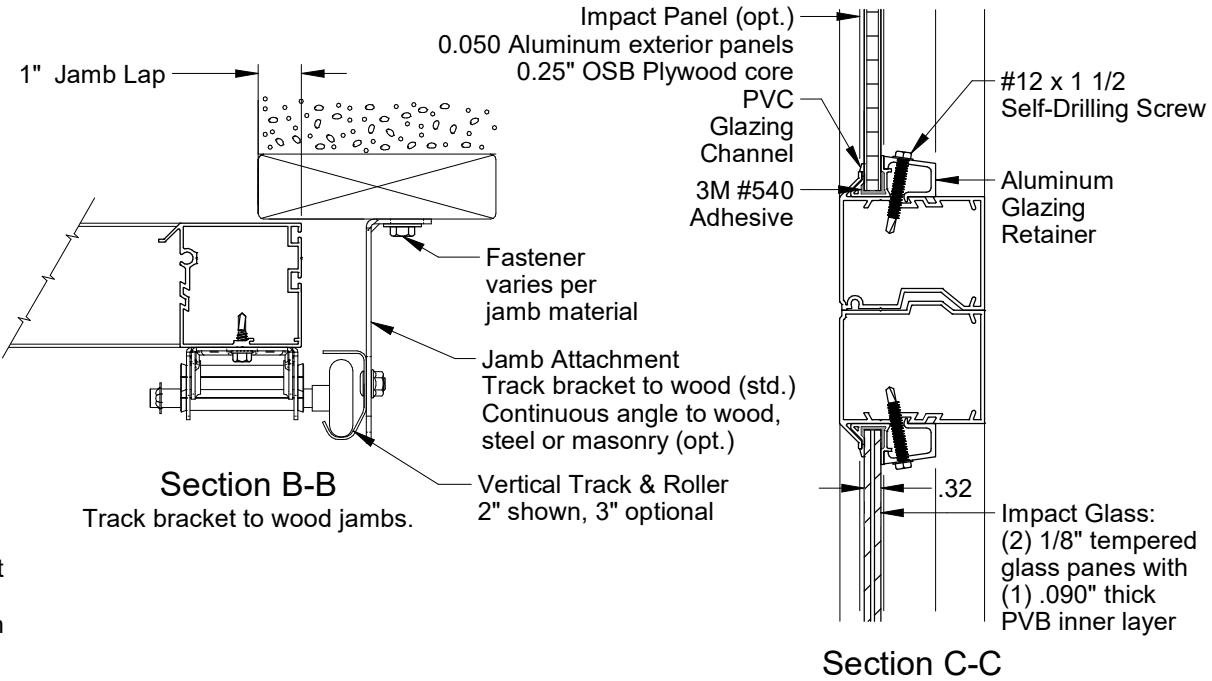
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Willett, Hofmann & Associates, Inc.
809 E. 2nd Street, Dixon, IL 61021
FBPE CA Lic. No. 35415
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Date: 2024.12.13 14:55:48-0600

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Section A-A



Aluminum Glazing Retainer
Screw Placement

Rev.	Description	ECO	Date	ECO: 8919.02
A	New release for production.	8919.02	12/04/24	Date: 12/04/24

Scale: None
Drawn by: R. Frey
Checked by: G. Wedekind
Date: 12/04/24
ECO: 8919.02



1101 East River Road
Dixon, IL. 61021

Title: Spec, Wind Load AV300		
No. P-3355	Sheet 1 of 4	Rev A

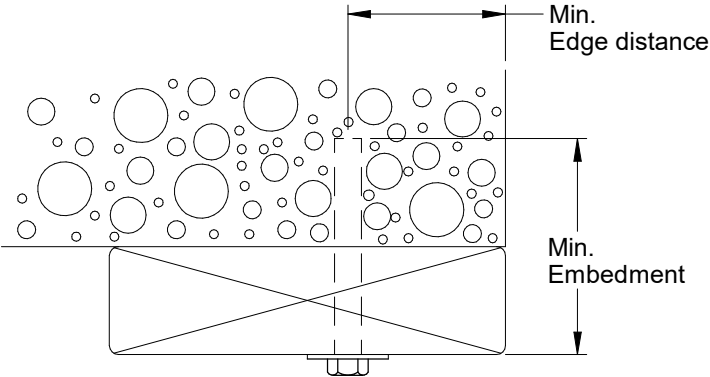
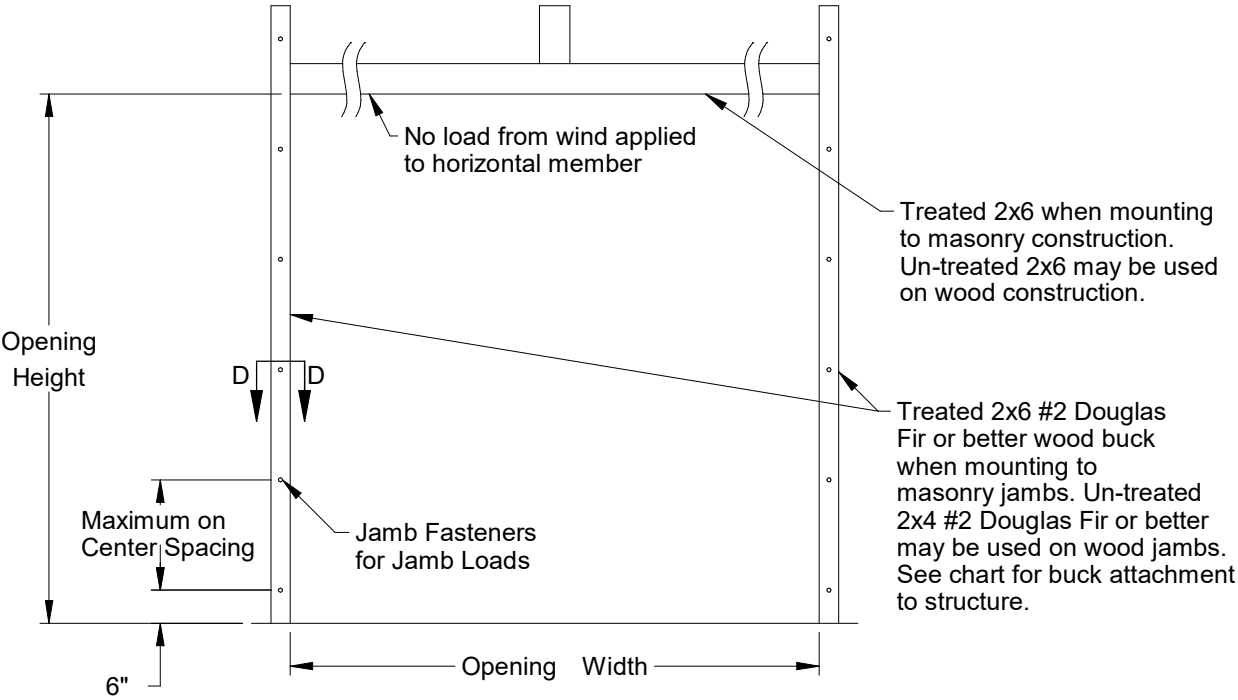
FL#16225

1. Design of the supporting structure shall be the sole responsibility of the building designer and shall be designed for the maximum jamb loads listed.
2. DASMA Technical Data Sheet TDS-161 may be used for alternate jamb attachments. Alternate jamb attachments may be used if approved by a registered Professional Engineer.
3. 3/8" diameter lag screws required 1/4" pilot hole and 1-1/2" minimum required distance.
4. Masonry fasteners by others.
5. Garage doors evaluated as attached to enclosed buildings.
6. Garage doors evaluated as components and cladding.

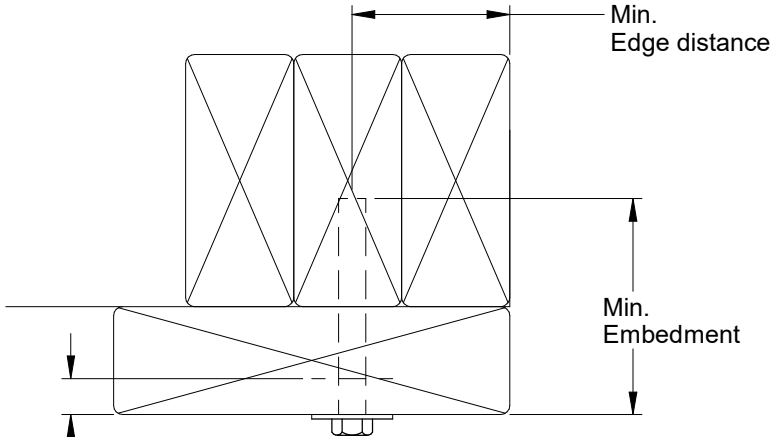
Max. Positive Jamb Load	
(10'-2" x 45.9 PSF) / 2 =	234 lbs. per foot

Max. Negative Jamb Load	
(10'-2" x -51.9 PSF) / 2 =	264 lbs. per foot

2x6 Attachment to Structure						
Structure Type	Fastener Type	Minimum Embedment	Minimum Edge Distance	Minimum on Center Spacing	Maximum on Center Spacing	Allowable Tension Load
2500 PSI Min. Concrete	1/4" Tapcon+ (Plus) with 1-1/8" OD Washer	2"	2.5	6"	24"	526
Southern Pine	3/8" x 3" Lag with 1-1/8" OD Washer	1.50"	1.50"	1.50"	24"	655
Spruce Pine Fir	3/8" x 3" LAG with 1-1/8" OD Washer	1.50"	1.50"	1.50"	24"	482

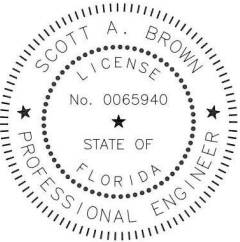


Section D-D
2500 PSI Min. Concrete



Fasteners may be countersunk up to 1/2"

Section D-D
Southern Pine or
Spruce Pine Fir



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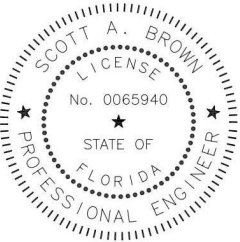
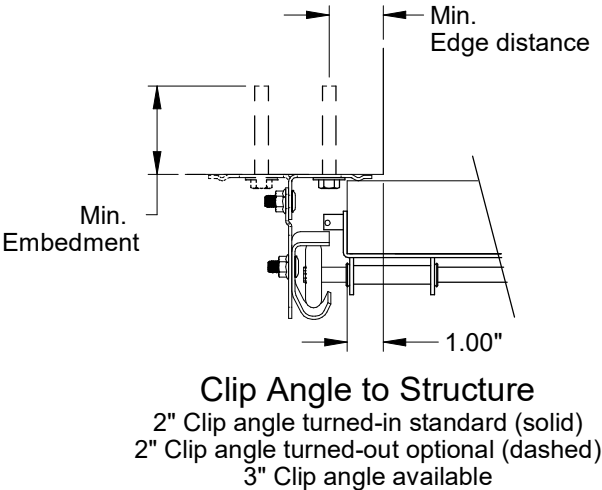
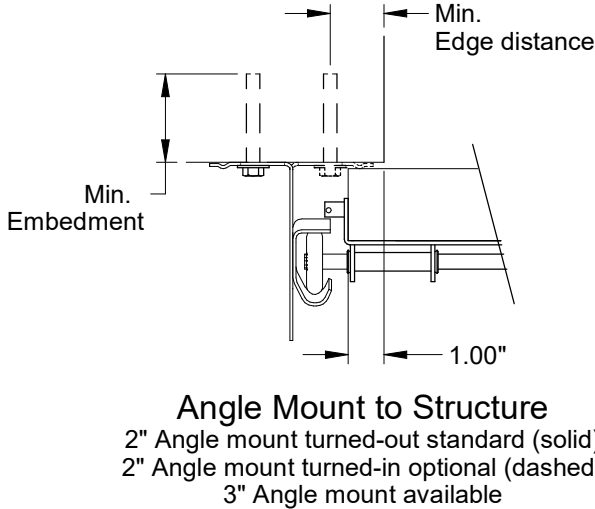
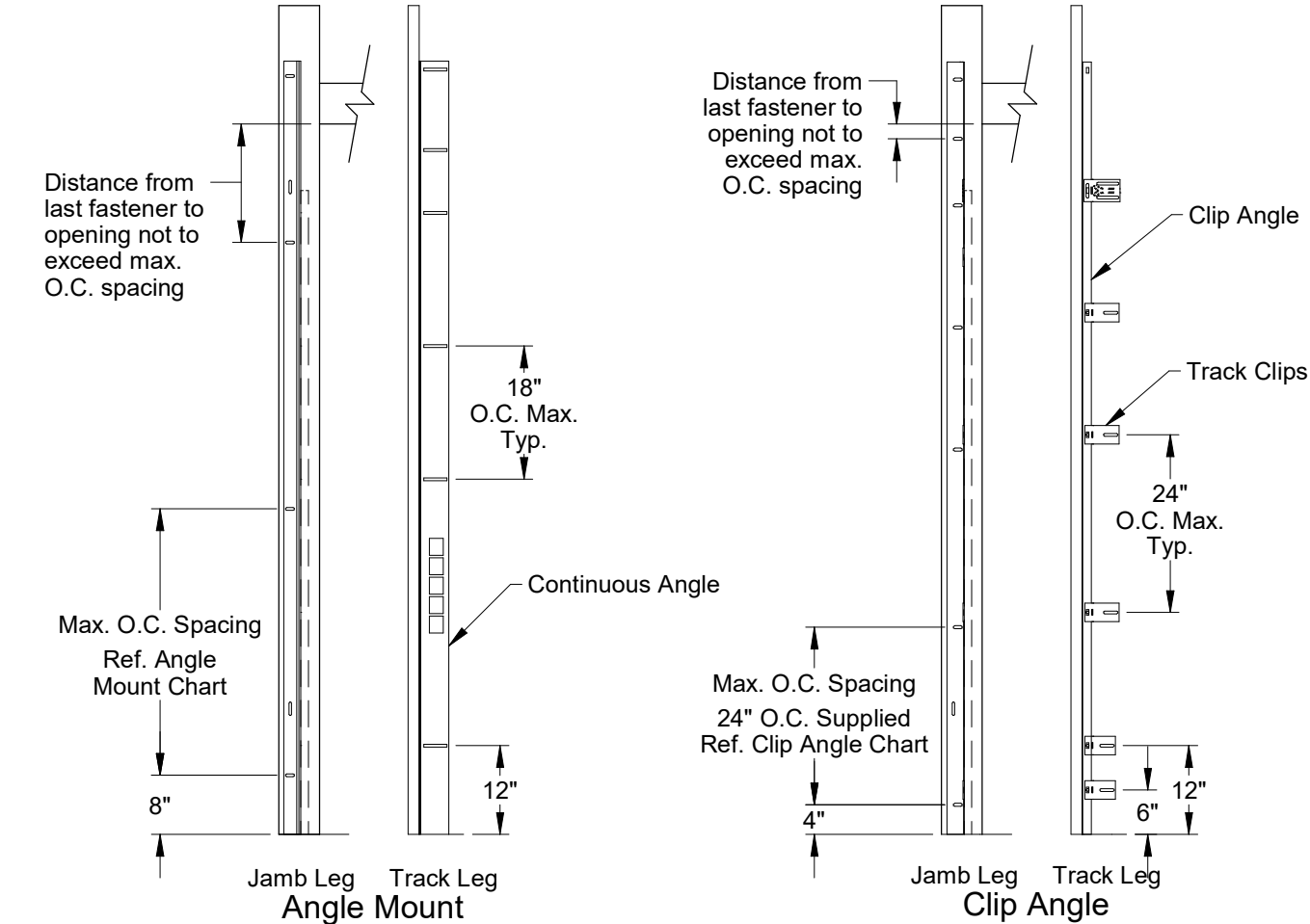
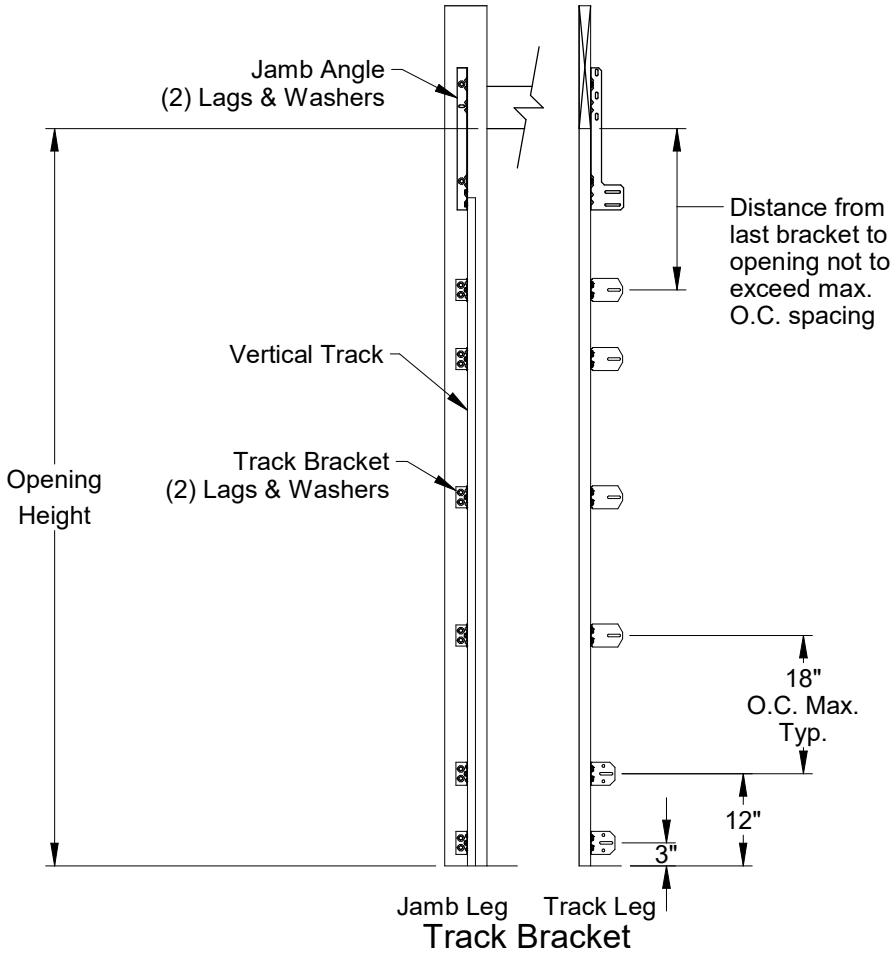
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Drawn by: R. Frey		No. P-3355	Sheet 2
Checked by: G. Wedekind			
Date: 12/04/24			
ECO: 8919.02			Rev A

Jamb Type	Fastener Type	Minimum Embedment	Minimum Edge Distance	Allowable Tension Load (lbs.)	Angle Mount	Clip Angle
					Max. on Center Spacing	Max. on Center Spacing
2500 PSI Min. Concrete	3/8" ITW Trubolt	2-1/2"	2-1/2"	893	36"	24"
	1/4" Tapcon+ (Plus) with 1-1/8" OD Washer	2"	1-5/8"	687	18"	24"
	1/4" x 2-5/8" Screw-Bolt+ with 9/16" OD Washer	2-1/2"	1-1/2"	651	18"	24"
Steel	5/16" x 1" SAE J78, Min. AISI 1022 with 5/16"	3/16"	1-1/2"	971	36"	24"
Wood	5/16" x 1-3/4" Lag with 5/16" Washer	1-1/2"	1-1/2"	352	18"	*12"
Grout Filled CMU Block	3/8" Simpson Titen HD	2-3/4"	4"	480	18"	24"

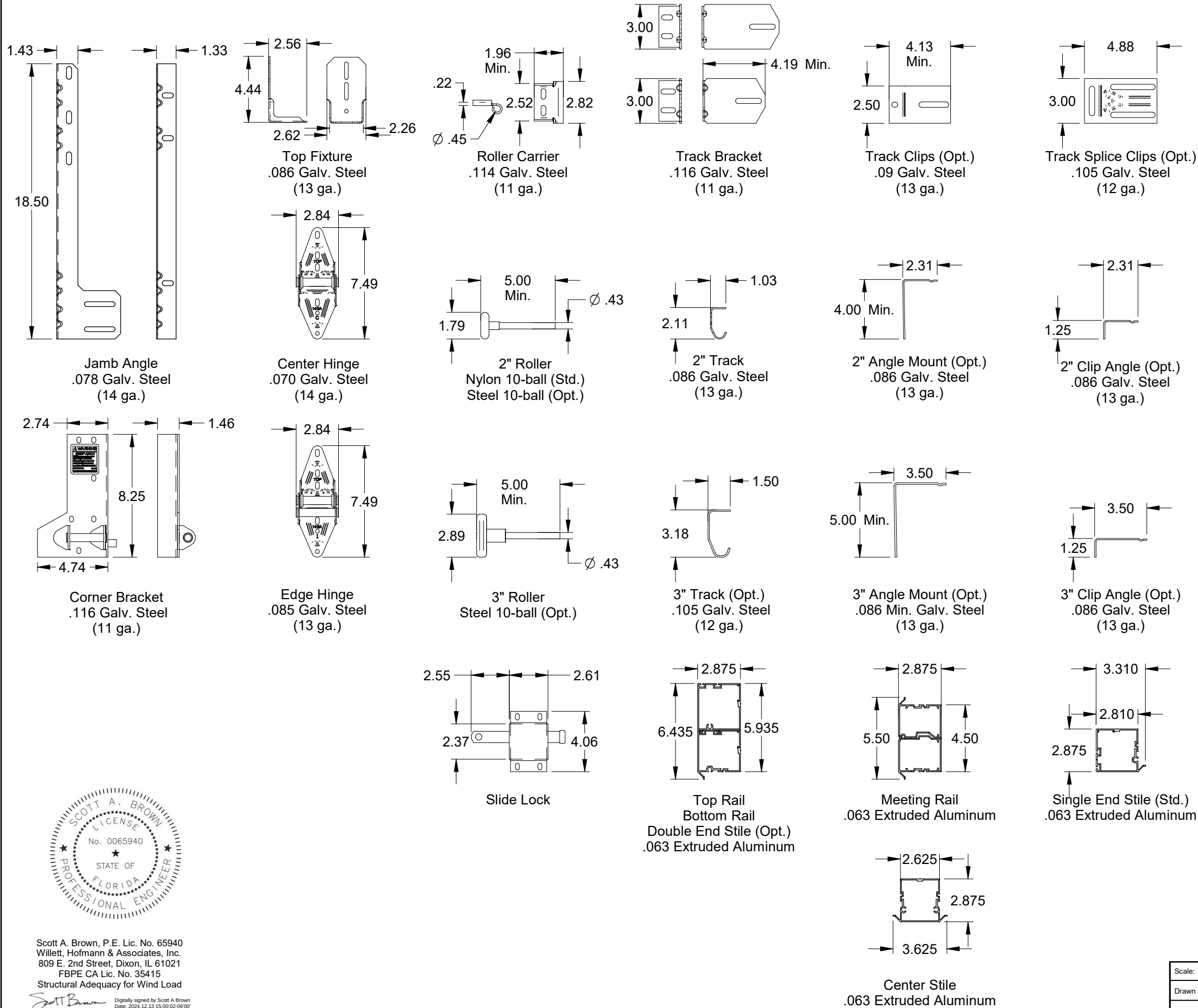
Alternate fasteners may be used if approved by a registered Professional Engineer.
*Field drilling req'd.



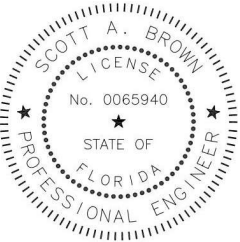
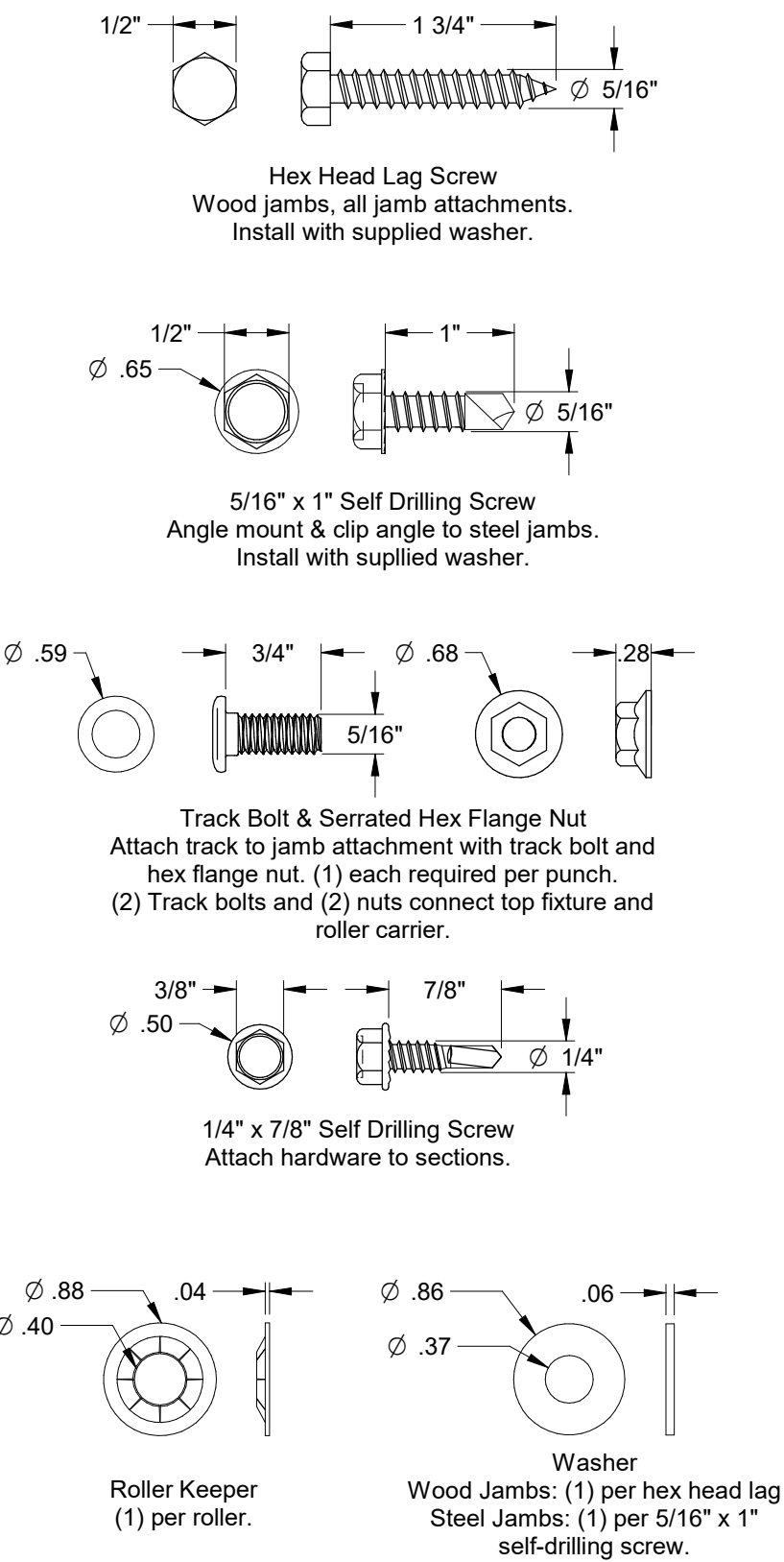
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Structural Adequacy for Wind Load
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Installation Hardware



Fasteners & Small Hardware



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Structural Adequacy for Wind Load

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Date: 2024.12.13 15:00:02-06'00'

Scale: None	 1101 East River Road Dixon, IL. 61021	Title: Spec, Wind Load AV300	
Drawn by: R. Frey		No. P-3355	Sheet 4
Checked by: G. Wedekind			
Date: 12/04/24			
ECO: 8919.02			Rev A