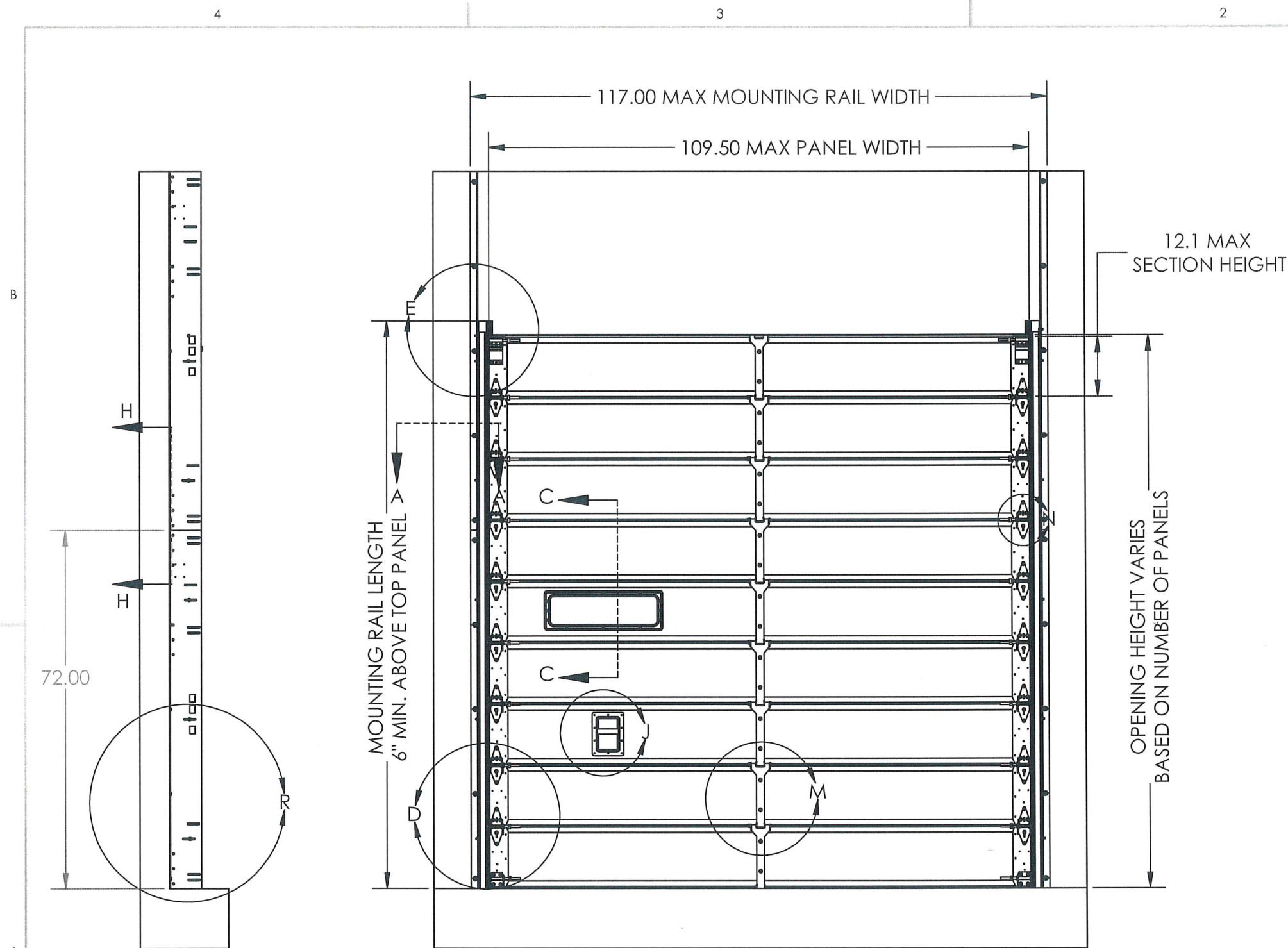


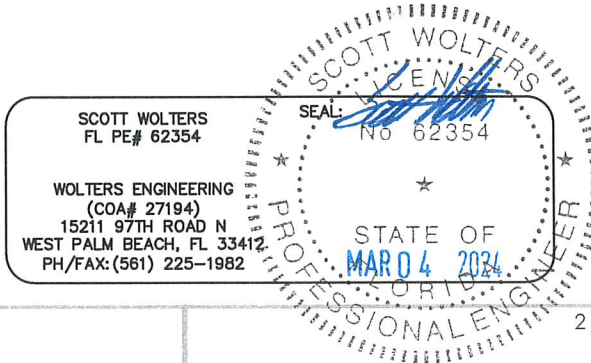


DESIGN PRESSURE ± 67.5 PSF

REVISIONS				
REV.	DESCRIPTION	ECN#	DATE	APPROVED
~	INITIAL RELEASE		5/23/2022	
A	ADDED WINDLOAD MOUNTUNG RAIL, CENTER HINGES AND CHANGED DOOR SIZE		10/5/2022	
B	ADJUSTED CALLOUTS TO INCLUDE PART NUMBERS AND SCREW SIZES		4/25/2023	
C	ADDED ADDITIONAL SHEETS FOR WINDOW AND PANEL DETAILS. UPDATED NOTES TO 8TH (2023) EDITION OF FLORIDA BUILDING CODE		8/17/2023	
D	CHANGED SHEET FORMAT FOR LEGIBILITY		2/26/2024	

GENERAL NOTES:

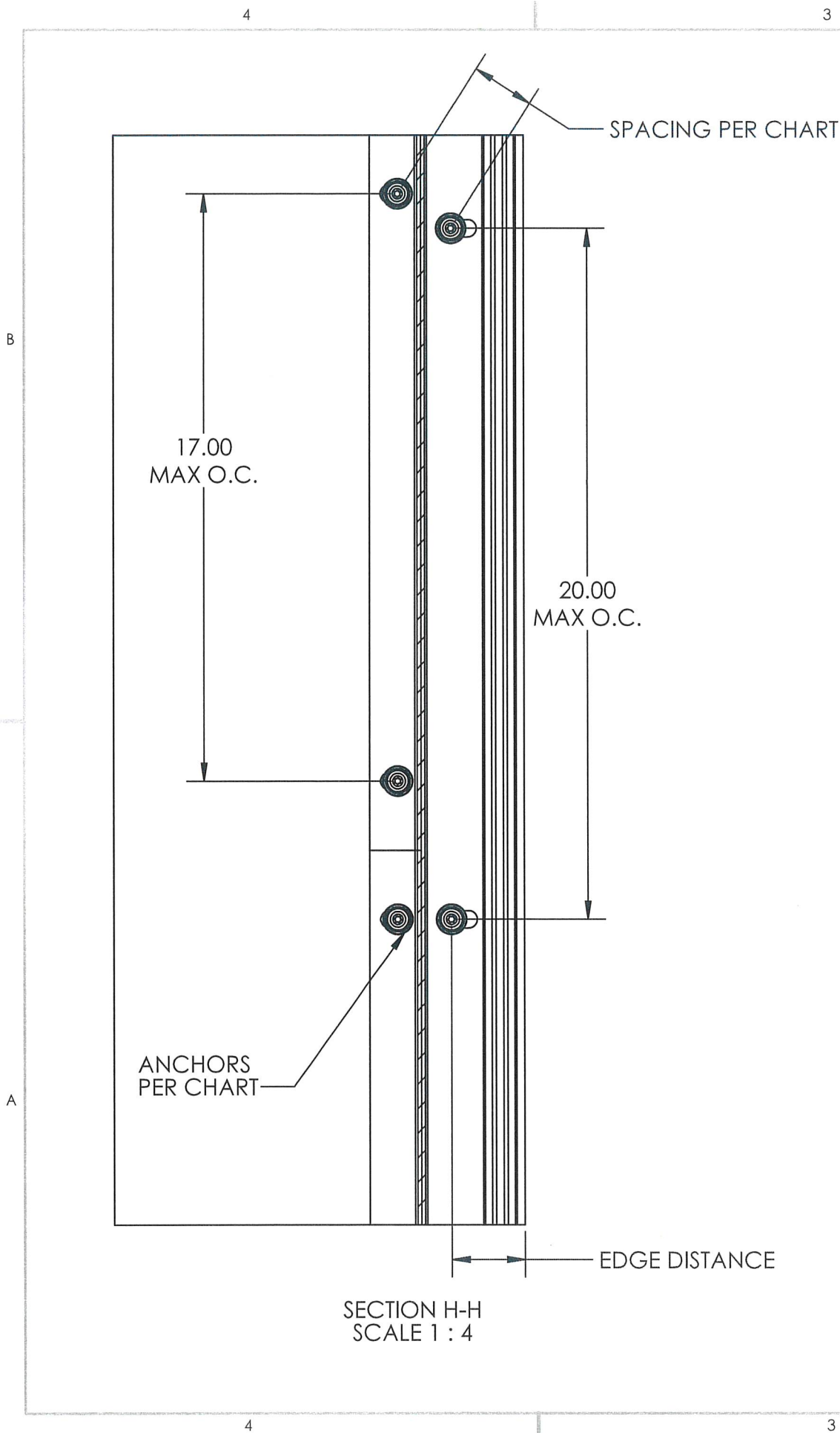
- THIS DOOR SYSTEM HAS BEEN DESIGNED AND TESTED TO ANSI/DASMA 108-2017 IN ACCORDANCE WITH THE REQUIREMENTS OF THE 8TH EDITION (2023) FLORIDA BUILDING CODE (FBC) FOR USE OUTSIDE OF THE HIGH VELOCITY HURRICANE ZONE.
- THIS DOOR SYSTEM HAS NOT BEEN TESTED FOR IMPACT RESISTANCE. AN IMPACT RESISTANT SHUTTER SYSTEM IS REQUIRED IN WINDBORNE DEBRIS REGIONS.
- STEEL OR MASONRY OPENINGS, WOOD BUCKS AND BUCK FASTENERS, BY OTHERS, SHALL BE PROPERLY DESIGNED AND INSTALLED TO TRANSFER WIND LOADS IMPOSED BY THE DOOR SYSTEM TO THE BUILDING STRUCTURE.
- ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS SPECIFIED IN THESE DRAWINGS. EMBEDMENT TO SUBSTRATES SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATED CHEMICALS.
- DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT REACTIONS IN ACCORDANCE WITH FBC CHAPTERS 20 AND 23.
- A WIND LOAD DURATION FACTOR $C_d=1.6$ WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.
- SUBSTRATES SHALL MEET THE MINIMUM REQUIREMENTS AS SHOWN IN INSTALLATION ANCHOR REQUIREMENTS ON SHEET 2. CONCRETE OR MASONRY SUBSTRATES SHALL NOT BE CRACKED. FOR INSTALLATION TO METAL SUBSTRATES, ANCHORS SHALL BE LONG ENOUGH TO BE FULLY THREADED THROUGH THE METAL THICKNESS WITH AN ADDITIONAL 3/16" MIN OF THREADS BEYOND.



SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982

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DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL $\pm 1/32$ ANGULAR: MACH $\pm 1^\circ$ BEND $\pm 1^\circ$ TWO PLACE DECIMAL $\pm .02$ THREE PLACE DECIMAL $\pm .005$		DRAWN	JMP	5/17/2022		TITLE: QXV WINDLOAD APPROVAL DOC					
		ENG APPR.									
		MFG APPR.									
		MTRL APPR.									
		Q.A.									
INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DL MANUFACTURING. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF DL MANUFACTURING IS PROHIBITED.				SIZE		DWG. NO.		REV.	
MATERIAL						B		DR9312		D	
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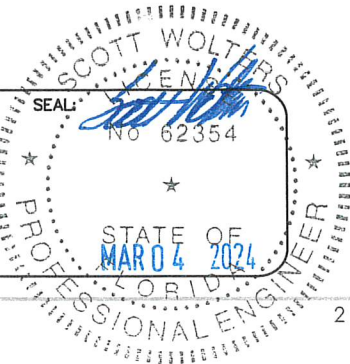


REVISIONS				
REV.	DESCRIPTION	ECN#	DATE	APPROVED
-	See COVER	-	-	-

ANCHOR SCHEDULE				
BASE MATERIAL	FASTENER TYPE	EMBEDMENT	EDGE DISTANCE (MIN)	SPACING (MIN)
WOOD (S.G. = 0.5 MIN)	3/8 DIA LAG SCREW SAE GRADE 2 MIN	1-1/2"	1-1/2"	3"
	5/16" X 3" GRK RSS (10221) WITH 5/16" USS WASHER	3"	1-1/2"	3"
STEEL (A36 - 1/8" MIN)	5/16" DIA, TEKS TYPE SELF-TAPPING SCREW (SAE GR. 5 MIN)	FULL	1"	1-1/2"
CONCRETE (3000 PSI MIN)	3/8" DEWALT SCREWBOLT OR 3/8" HILTI KWIK HUS EZ	2-1/2"	2-1/2"	4-1/2"
CMU (ASTM C90 MIN)	3/8" DEWALT POWER-STUD SD1 OR 3/8" DIA HILTI KWIK BOLT 3	2-1/2"	4"	4-1/2"

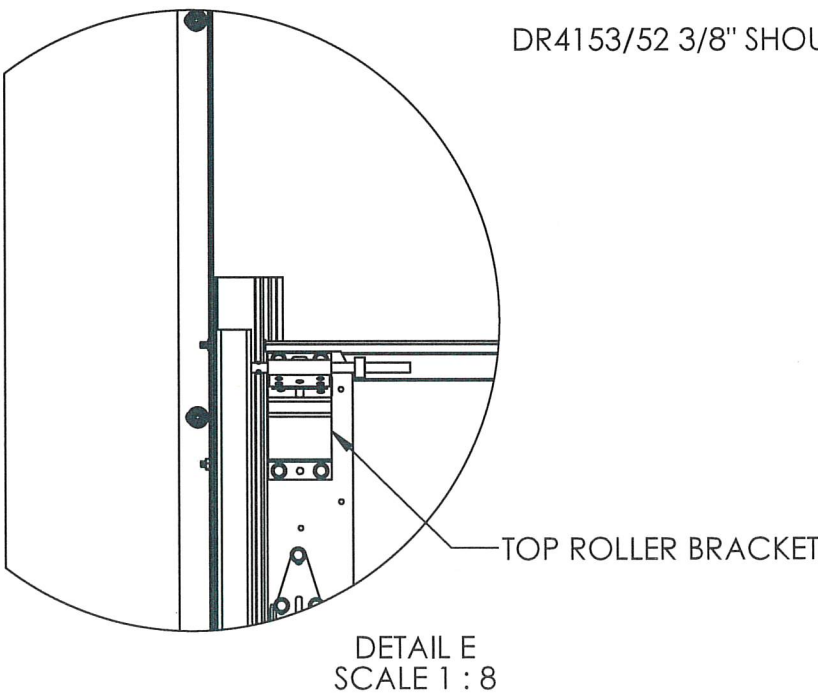
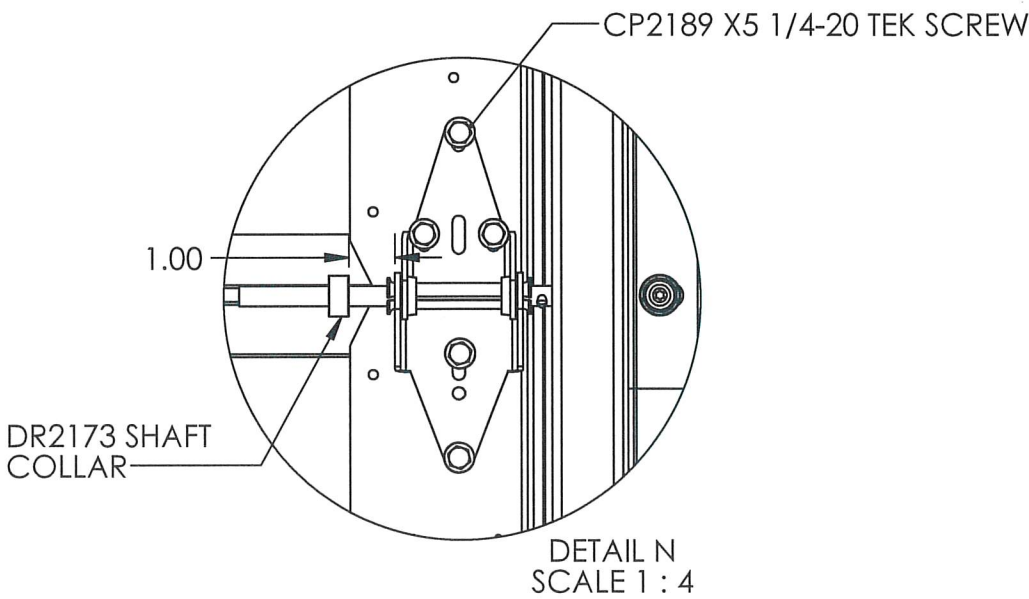
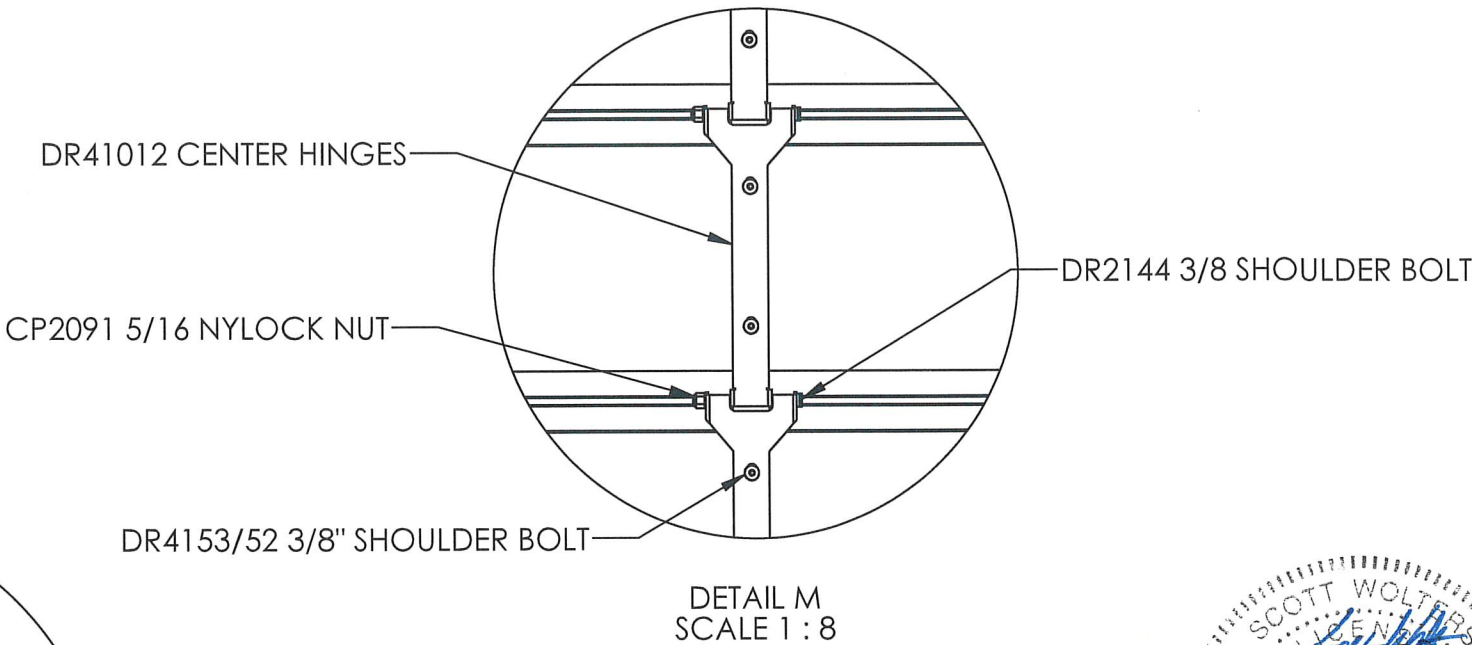
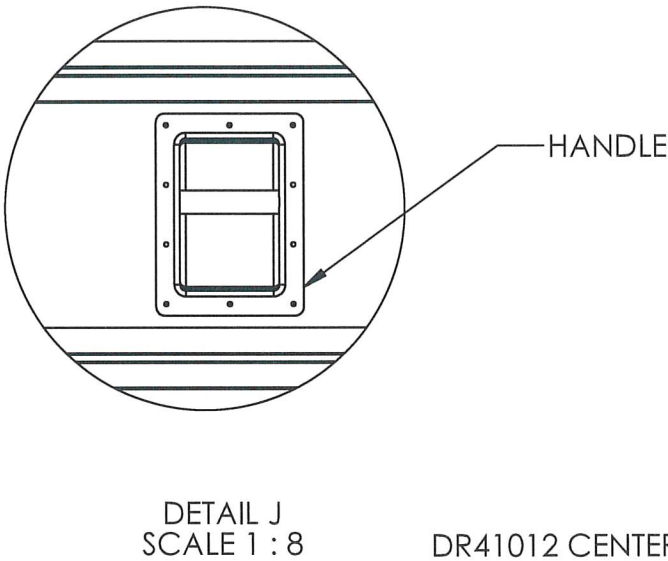
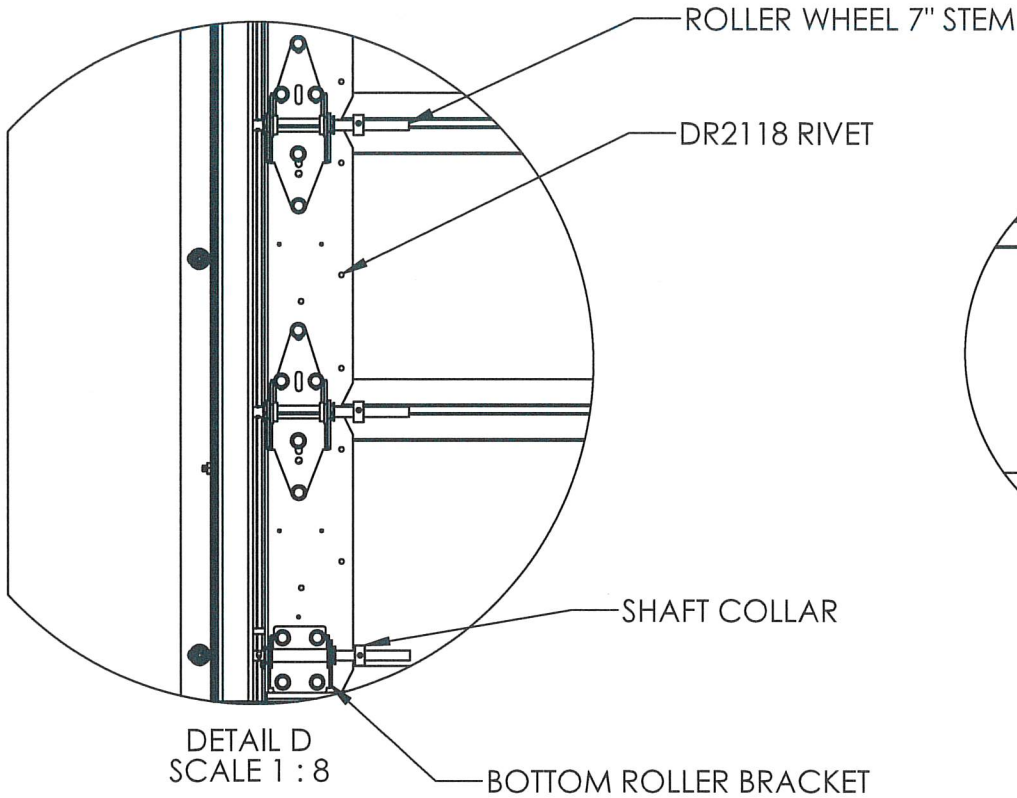
SCOTT WOLTERS
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(COA# 27194)
15211 97TH ROAD N
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		ENG APPR.									
		MFG APPR.									
		MTRL APPR.									
INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5		Q.A.				SIZE B DWG. NO. DR9312 REV. D					
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REVISIONS				
REV.	DESCRIPTION	ECN#	DATE	APPROVED
-	See Sheet1	-	-	-



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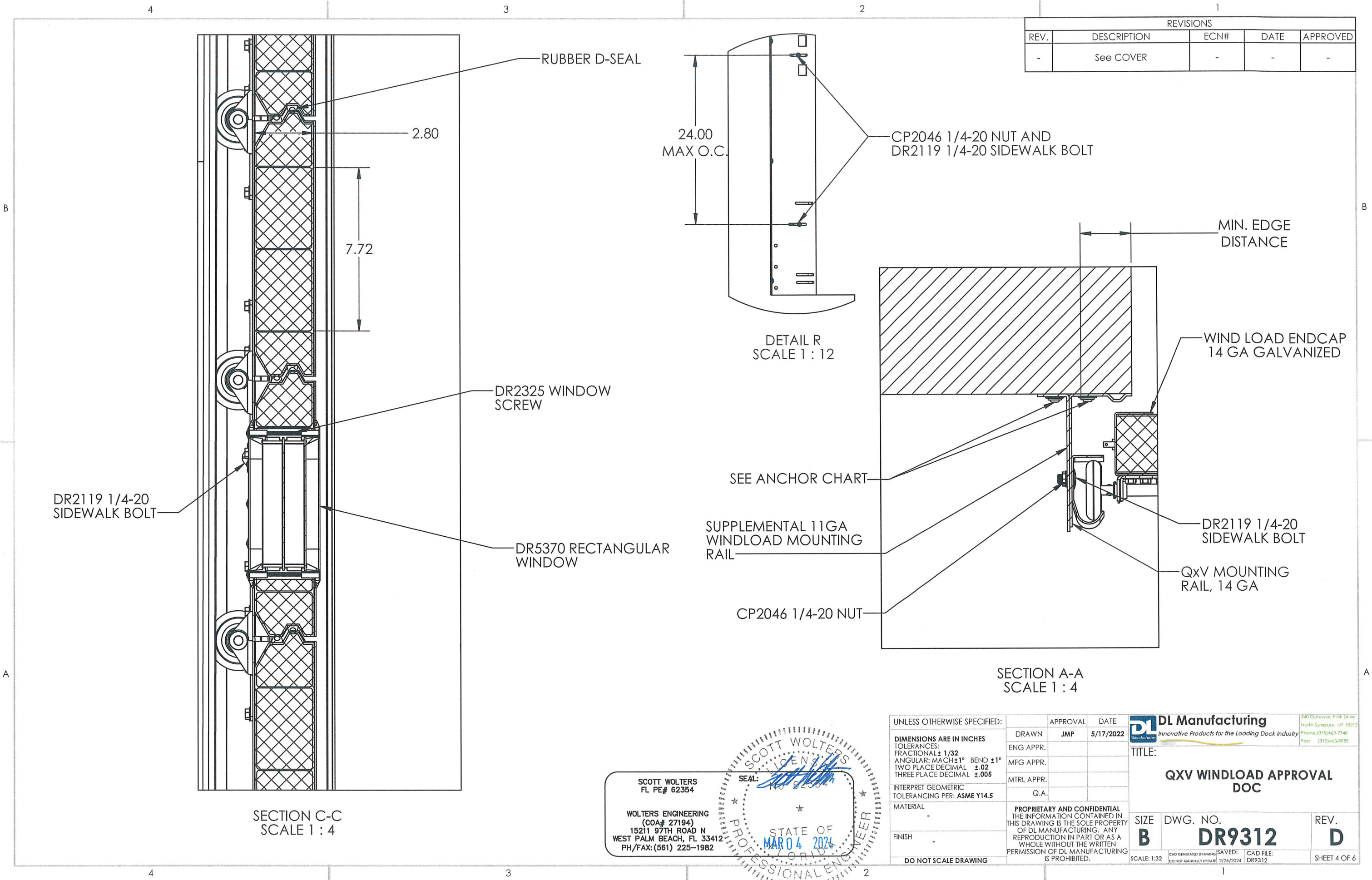
STATE OF
MAR 04 2024
PROFESSIONAL ENGINEER

UNLESS OTHERWISE SPECIFIED:		APPROVAL	DATE	DL Manufacturing Manufacturing Innovative Products for the Loading Dock Industry 1000 Highway Park Drive North Syracuse, NY 13211 Phone: (315) 463-7348 Fax: (315) 463-8559	
DIMENSIONS ARE IN INCHES		DRAWN	JMP	5/17/2022	TITLE: QXV WINDLOAD APPROVAL DOC
TOLERANCES:		ENG APPR.			
FRACTIONAL: $\pm 1/32$		MFG APPR.			
ANGULAR: MACH $\pm 1^\circ$ BEND $\pm 1^\circ$		MTRL APPR.			
TWO PLACE DECIMAL $\pm .02$					
THREE PLACE DECIMAL $\pm .005$					
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MATERIAL		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DL MANUFACTURING. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF DL MANUFACTURING IS PROHIBITED.			
FINISH					
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		SIZE			DWG. NO.
		B			DR9312
		SCALE: 1:32			CAD GENERATED DRAWING: 2/26/2024 DO NOT MANUALLY UPDATE
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REVISIONS				
REV.	DESCRIPTION	ECN#	DATE	APPROVED
-	See COVER	-	-	-



REVISIONS				
REV.	DESCRIPTION	ECN#	DATE	APPROVED
-	See Sheet1	-	-	-

SINGLE PANEL SECTION

SHAFT COLLAR

SUPPLEMENTAL 11GA
WINDLOAD MOUNTING RAIL

DETAIL L
SCALE 1 : 8

DR41269 SUPPLEMENTAL 11GA
WINDLOAD MOUNTING RAIL

QxV 14GA MOUNTING RAIL

3" ROLLER TRACK

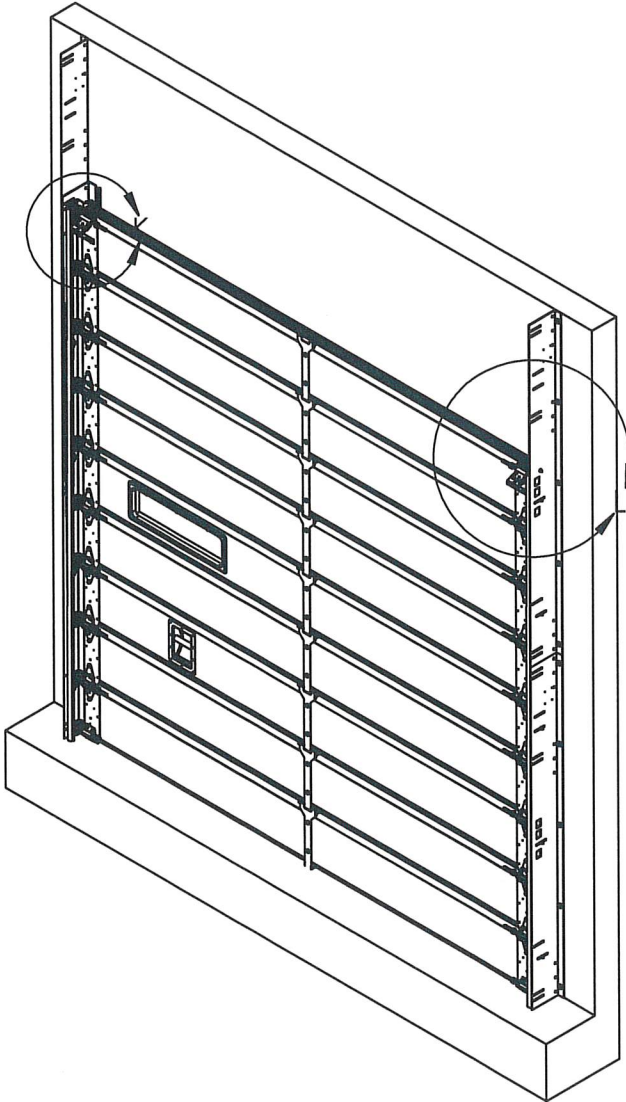
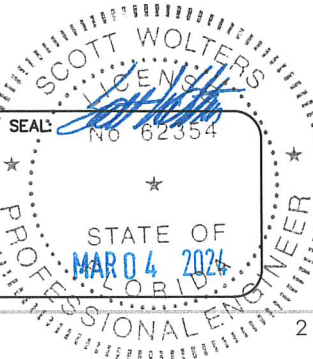
DR2259 3" ROLLER
WITH 7" STEM

CP2189 1/4-20 TEK SCREW X4

DETAIL K
SCALE 1 : 4

SCOTT WOLTERS
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WOLTERS ENGINEERING
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TOLERANCES:
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TWO PLACE DECIMAL $\pm .02$
THREE PLACE DECIMAL $\pm .005$

INTERPRET GEOMETRIC
TOLERANCING PER: ASME Y14.5

MATERIAL

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5/17/2022

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Innovative Products for the Loading Dock Industry

340 Gateway Park Drive
North Syracuse, NY 13212
Phone: (315) 463-7348
Fax: (315) 463-8559

TITLE:

**QXV WINDLOAD APPROVAL
DOC**

SIZE
B

DWG. NO.
DR9312

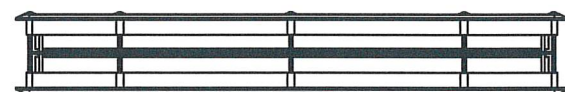
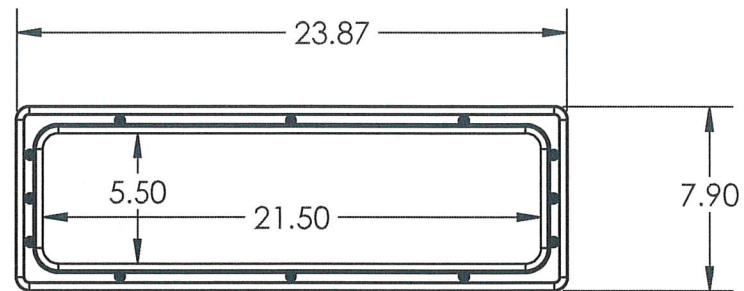
REV.
D

SCALE: 1:32

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DO NOT MANUALLY UPDATE: 2/26/2024

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CAD FILE:
DR9312

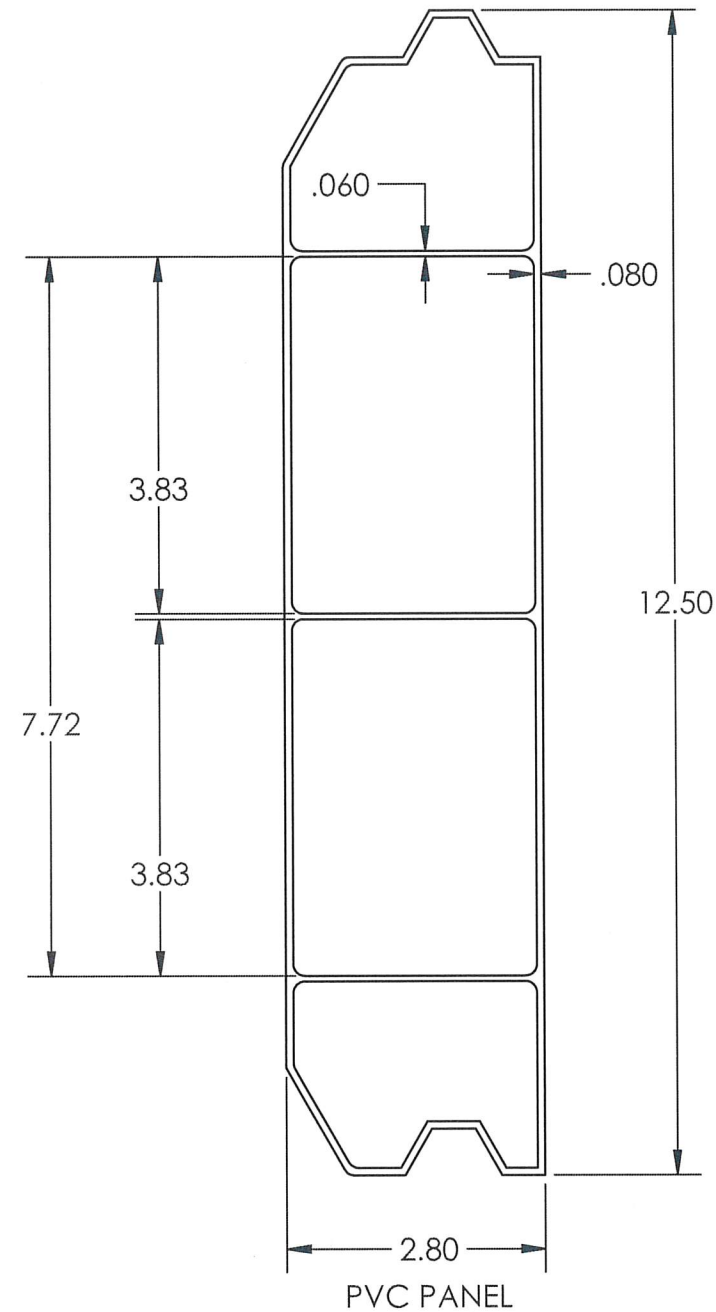
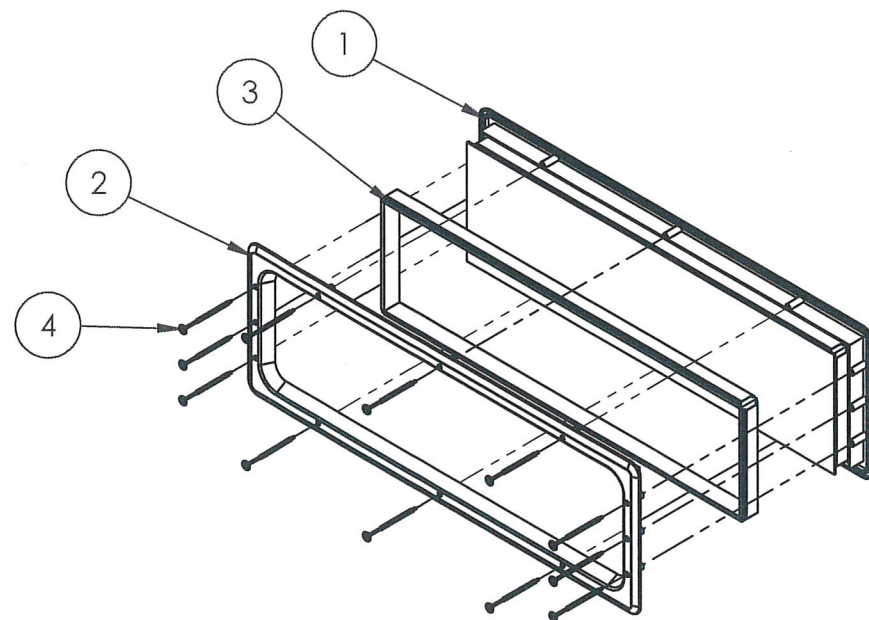
SHEET 5 OF 6



DR5370 WINDOW

NOTES:

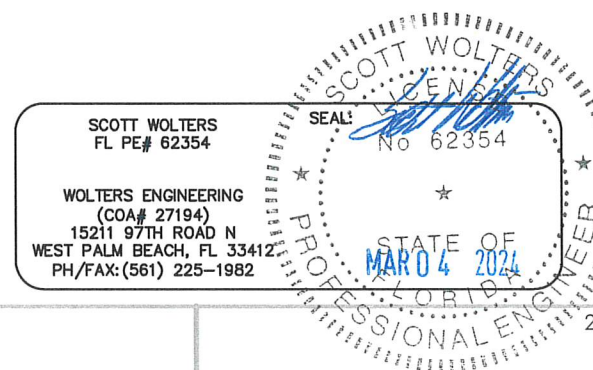
1. MANUFACTURER: ELTON MANUFACTURING.
2. PART NO.: 0824BBS234SP.
3. COLOR: BLACK.
4. CUT OUT SIZE: 7-1/8" X 23-1/8".



PVC PANEL

REVISIONS				
REV.	DESCRIPTION	ECN#	DATE	APPROVED
-	See COVER	-	-	-

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	~	OUTSIDE TRIM PIECE, SEALED PLEXI	1
2	~	INSIDE TRIM PIECE	1
3	~	2-3/4" SHIM PACK	1
4	~	ROUND WASHER HEAD PHILLIPS SCREW	12



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TOLERANCES:		ENG APPR.			
FRACTIONAL: $\pm 1/32$		MFG APPR.			
ANGULAR: MACH $\pm 1^\circ$ BEND $\pm 1^\circ$		MTRL APPR.			
TWO PLACE DECIMAL $\pm .02$		Q.A.			
THREE PLACE DECIMAL $\pm .005$					
INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DL MANUFACTURING. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF DL MANUFACTURING IS PROHIBITED.			
MATERIAL					
FINISH					
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TITLE:		SIZE	DWG. NO.	REV.	
QXV WINDLOAD APPROVAL DOC		B	DR9312	D	
SCALE: 1:4		CAD GENERATED DRAWING DO NOT MANUALLY UPDATE	SAVED: 2/26/2024	CAD FILE: DR9312	
		SHEET 6 OF 6			