

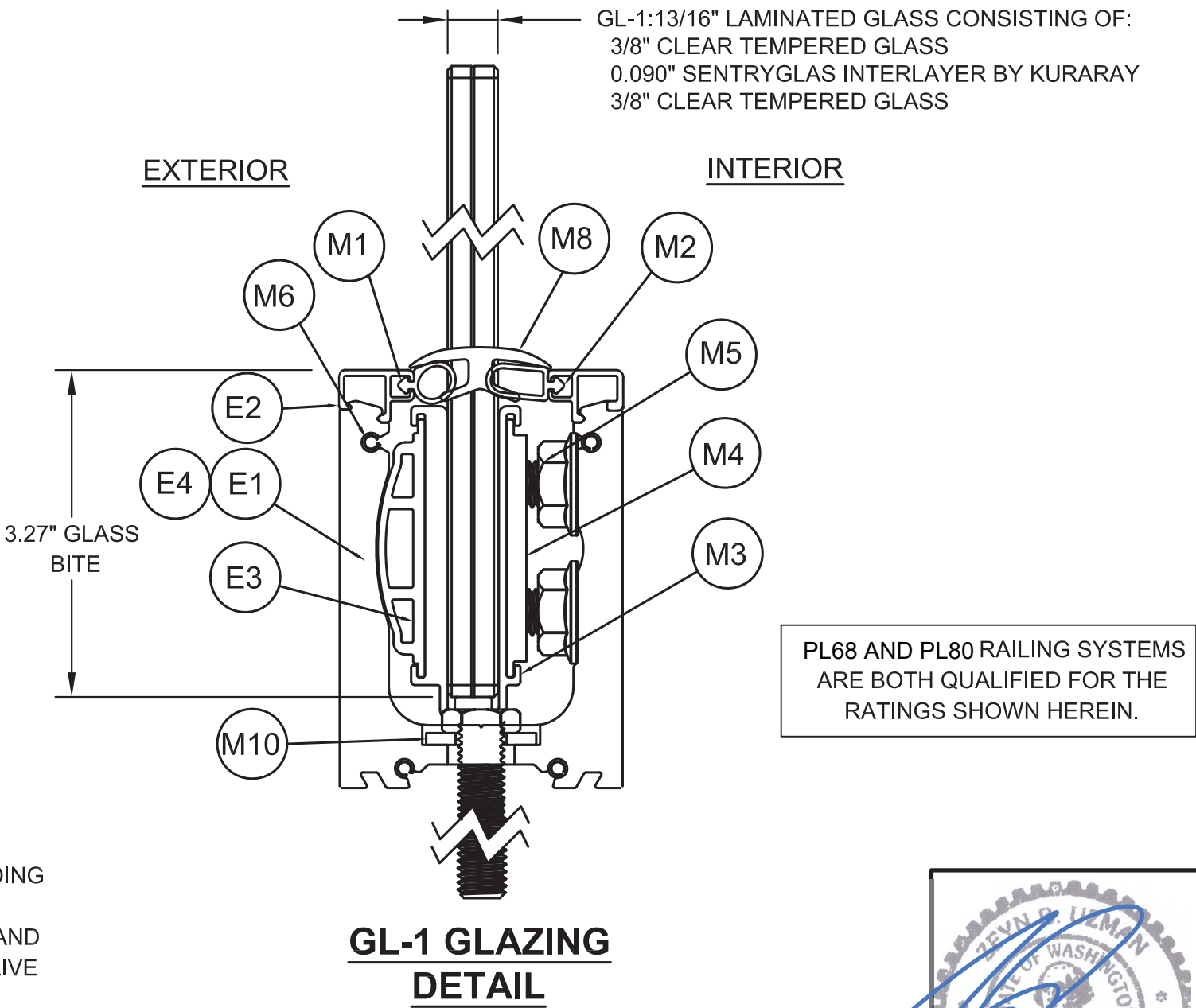
PL68/PL80 RAILING SYSTEM WITH LAMINATED GLASS

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2003, 2012, 2015 AND 2018 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC).
2. PRODUCT IS RATED FOR SMALL AND LARGE MISSILE IMPACT.
3. ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON THE DETAILS AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS. SPECIFIED EMBEDMENT TO BASE MATERIALS SHALL BE BEYOND FLOOR DRESSING.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
5. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE SUBSTRATE AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
6. THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.
7. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300

INSTRUCTIONS FOR USE:

1. DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BUILDING HEIGHT, WIND ZONE, USING APPLICABLE ASCE 7 STANDARD.
2. SEE CHARTS ON SHEETS 3 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE AND THE MAXIMUM RAILING HEIGHT BASED ON THE CONCETRATED AND DISTRIBUTED LIVE LOADS.
3. SEE ANCHOR SPECIFICATIONS ON SHEET 3.



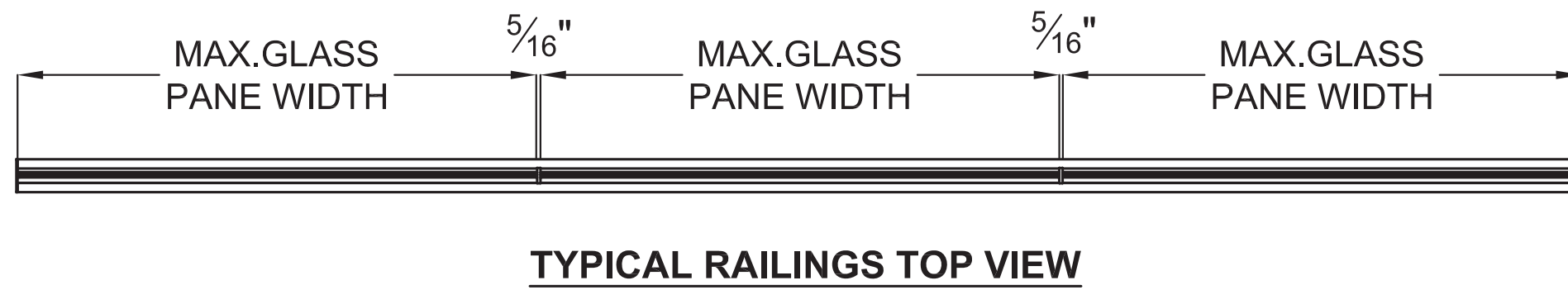
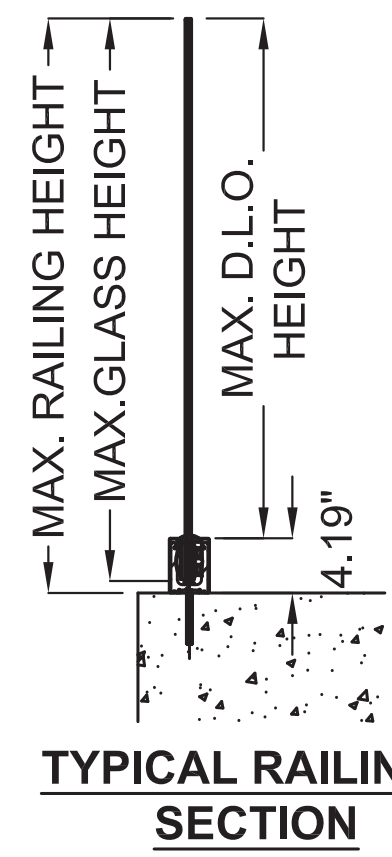
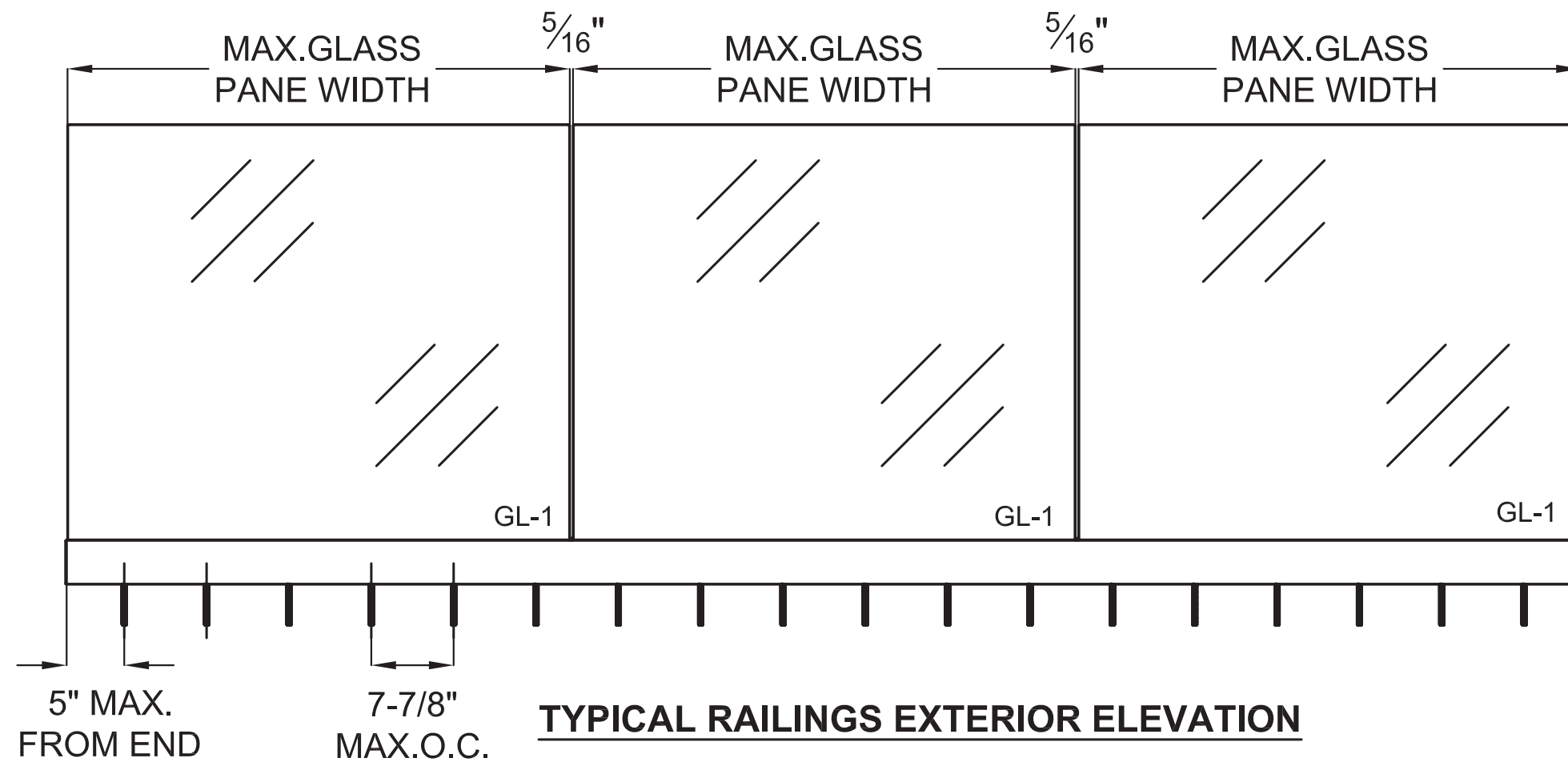
Channel Manufacturer



Designed by Hardware and Glass.
Distributed by Morse Industries

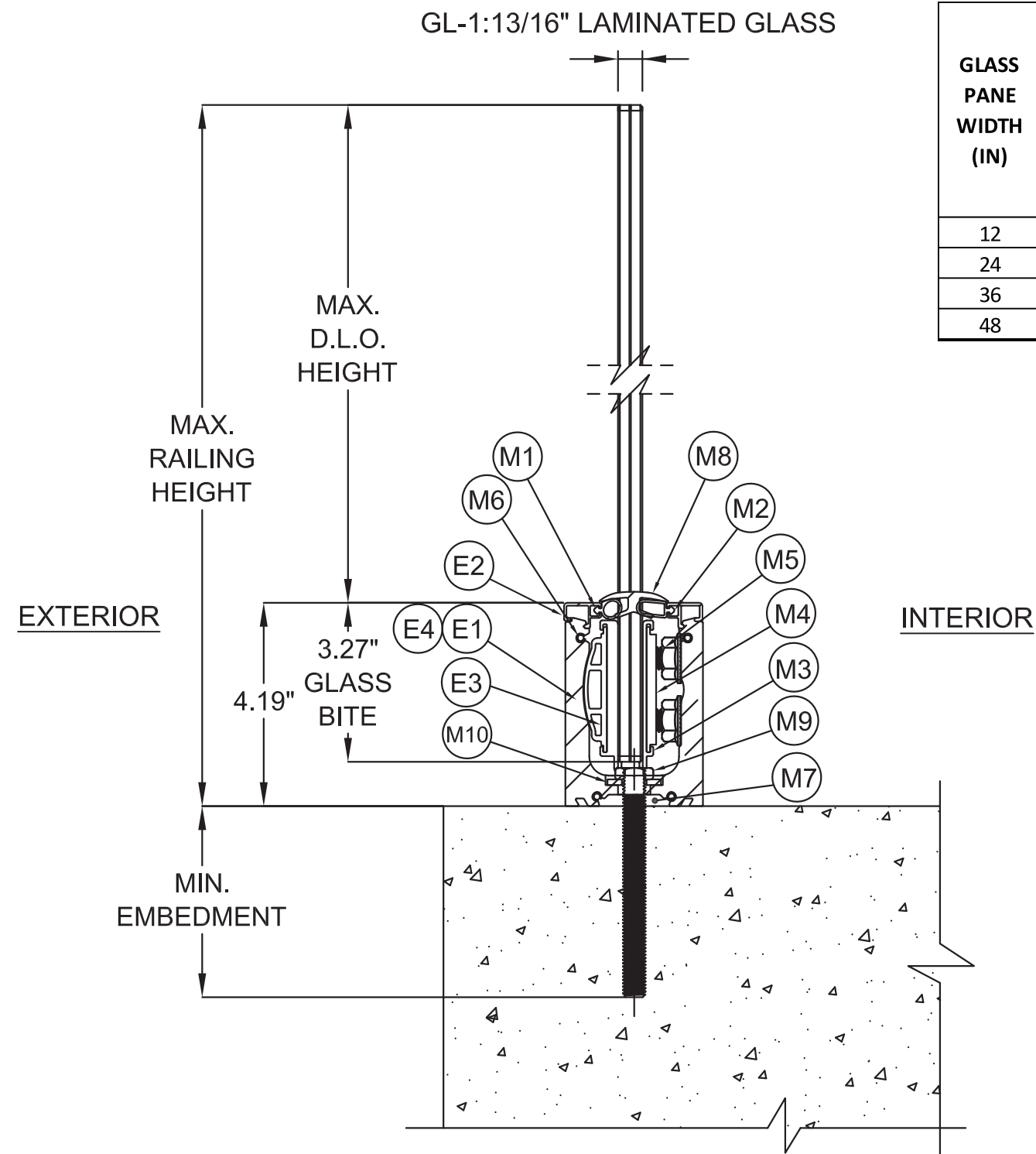


Drawing Spec.	A4	WEIGHT(KG)		Drawn by	Michael	Drawn NO. BR68-T3680
Projection		Date	2020/02/12	Auditing by		
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GLASS PANE WIDTH (IN)	EFFECTIVE GLASS THICKNESS		ALLOWABLE DESIGN PRESSURE (PSF)				200 LB LIVE LOAD		50 LB/FT LIVE LOAD	
	DEFLECTION (IN)	STRESS (IN)	MAX. D.L.O. HEIGHT (IN)				MAX. UNSSUPPORTED GLASS HEIGHT (IN)		MAX. UNSSUPPORTED GLASS HEIGHT (IN)	
			36	39.81	42	48	STRESS	DEFLECTION	STRESS	DEFLECTION
12	0.5384	0.6023	66.7	66.7	59.9	45.9	21.8	53.4	87.1	46.0
24	0.6399	0.6901	66.7	66.7	59.9	45.9	57.1	76.6	114.3	54.7
36	0.6938	0.7272	66.7	66.7	59.9	45.9	95.2	92.3	126.9	59.3
48	0.7216	0.744	66.7	66.7	-	-	132.8	103.1	132.8	61.7

ANCHOR SPECIFICATIONS:

- 1/2" SCREW-BOLT+, DEWALT
4-1/4" MIN. EMBEDMENT
4" MAX. EDGE DISTANCE
7-7/8" MAX. SPACING
3000 PSI MIN. CONCRETE F'_c
- 1/2" LDT ITW RED HEAD
4-1/2" MIN. EMBEDMENT
4" MIN. EDGE DISTANCE
7-7/8" MAX. SPACING
3000 PSI MIN. CONCRETE F'_c

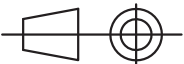


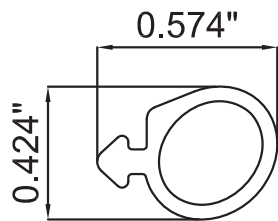
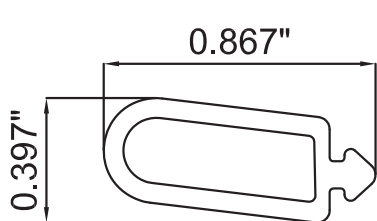
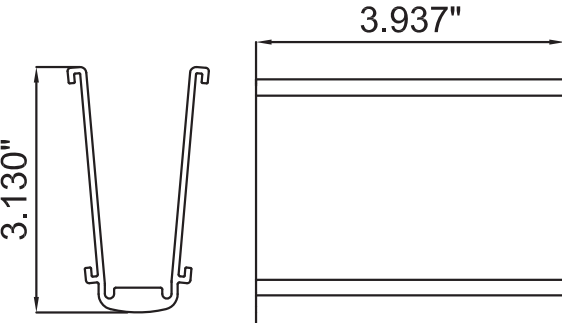
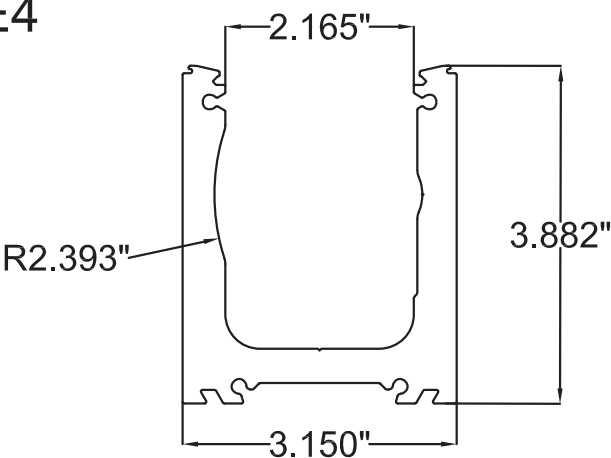
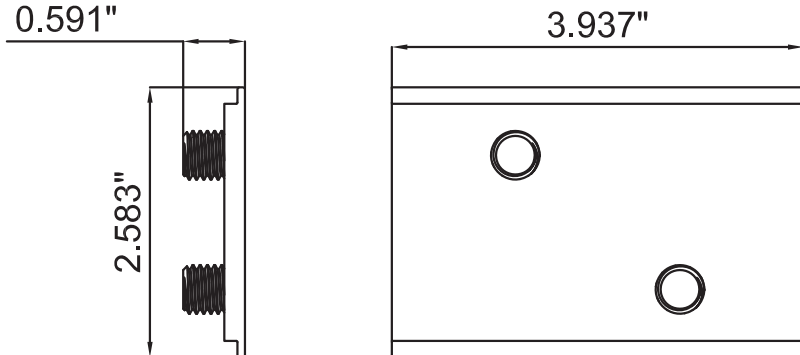
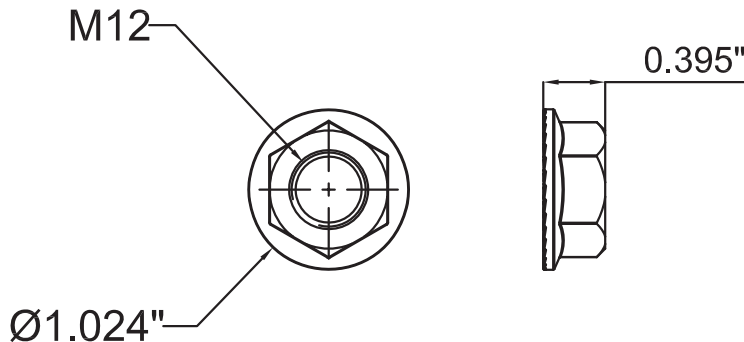
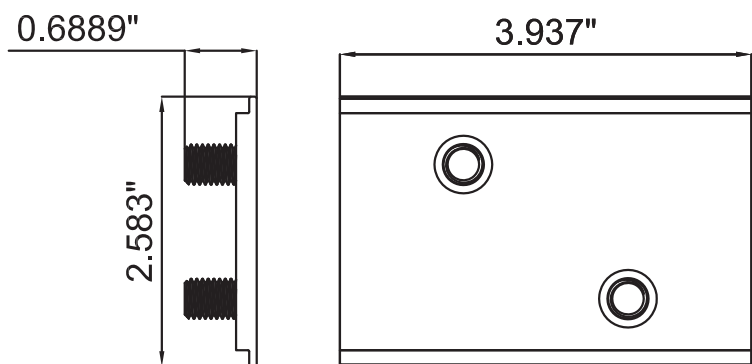
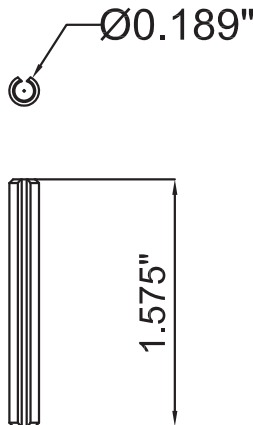
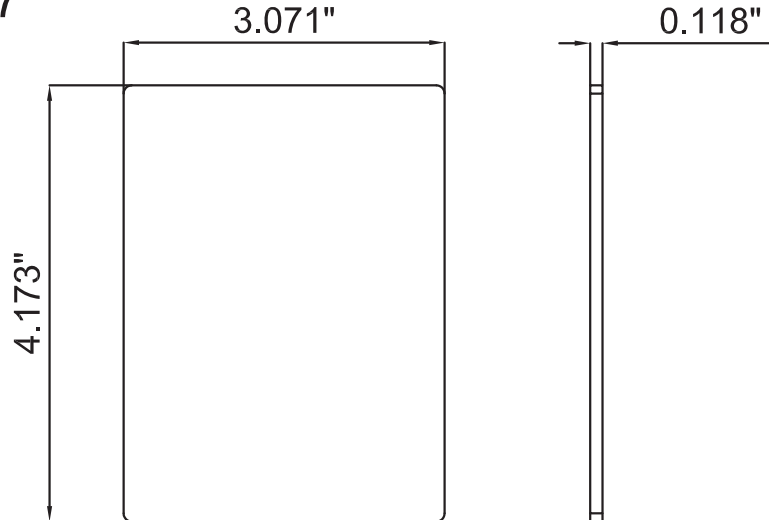
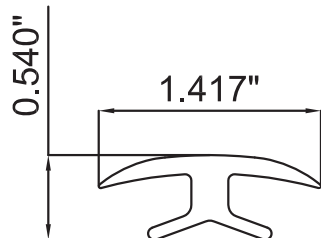
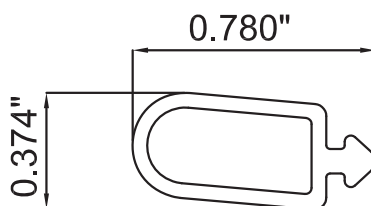



BILL OF MATERIALS			
CODE	PART	DESCRIPTION	MATERIAL
E1	A42-PL68	CHANNEL	ALUMINIUM 6063-T6
E2	A16-PL68SOMF	SNAP ON EXTRUSION	ALUMINIUM 6063-T5/6463-T5
E3	MECHANISM	CURVE PLATE	ALUMINIUM 6063-T5
E4	A42-PL80	CHANNEL	ALUMINIUM 6063-T6
M1	V11-PLG	RUBBER	EPDM (UVSTABLE)
M2	V11-PLG	RUBBER	EPDM (UVSTABLE)
M3	MECHANISM	U GASKET	TPV (UVSTABLE)
M4	MECHANISM	STAINLESS STEEL PLATE	STAINLESS STEEL 2205
M5	MECHANISM	RECOMMENDED 26 LB-FT TORQUE	STAINLESS STEEL 316
M6	A42-PLSP-8	ALIGNING PIN	STAINLESS STEEL 316
M7	A17-PL68	END CAP	ALUMINIUM 6063-T5/6463-T5
M8	V50-PL	GLASS DIVIDER	EPDM (UVSTABLE)
M9	F92-0073CA	ANCHOR BOLT	STAINLESS STEEL 316
M10	MECHANISM	STAINLESS STEEL PLATE	STAINLESS STEEL 2205

E1

E2

E3



M1			M2			M3			E4			
M4					M5					M10		
M6			M7			M8			M13	 <div></div>		
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