

ALUMINUM BALCONY DIVIDER

RAILING MASTERS INC.

110 CLAIREPORT CRESCENT Unit #4 ,ETOBICOKE , ON, M9W 6P3

T: (647) 838.7345 E: info@railingmasters.ca

PROJECT:		CLIENT:		NOTES		REVISIONS		DRAWING NO.		ISSUED TO		DRAWING TITLE		REVISION	
RAILING MASTERS INC. 110 CLAIREPORT CRESCENT Unit #4 ,ETOBICOKE , ON, M9W 6P3 T: (647) 838.7345 E: info@railingmasters.ca		DESIGN ARCHITECTS:		1. ALL DIMENSIONS ARE IN MILLIMETERS. 2. ALL LEVELS ARE IN METERS UNLESS OTHERWISE NOTED.		No. Date		Description		C.P		COVER PAGE		01 PROJECT NO.	
		STRUCTURAL CONSULTANT:				00 07-07-2025		BALCONY PRIMARY DIMENS		DRAWN BY					
						01 14-07-2025		UPDATED AS PER NEW DESIGN		CHECKED BY					
										APPROVED BY					
										DATE OF ISSUE					
														SHEET SIZE - A3 SCALE AS SHOWN	

DESIGN NOTES

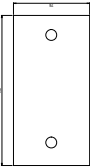
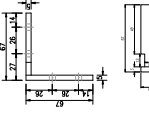
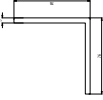
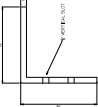
1. ALUMINUM FRAMING ELEMENTS INCLUDING POST, BASE PLATE, TOP RAIL, GLASS CHANNEL, CHANNEL HOLDER ARE EXTRUDED SHAPE OF ALUMINUM ALLOY 6061-T6.
2. ALUMINUM STRUCTURAL ELEMENTS ARE DESIGNED IN COMPLIANCE WITH CAN3-S157-05 "STRENGTH DESIGN IN ALUMINUM".
3. TEMPERED OR LAMINATED GLASS IN COMPLIANCE WITH CAN/CGSB-12.1-M90.
4. HEAT STRENGTHEN GLASS IN COMPLIANCE WITH ASTM C1048.
5. ALUMINUM SHEET OF ALLOY 3003-H14.
6. ANCHORS IN COMPLIANCE WITH ANSI SERIES 300 STAINLESS STEEL.
7. FASTENERS IN COMPLIANCE WITH AAMA TIR-A9.
8. STRUCTURAL CONCRETE SLAB MUST COMPLY WITH MINIMUM COMPRESSIVE STRENGTH OF 30 MPa (4350psi)
9. BALCONY RAILING HAS BEEN DESIGNED TO RESIST APPLICABLE WIND AND GUARD LOAD AS SPECIFIED BY ONTARIO BUILDING CODE 2012-SECTION 4.1.5.14.(1)(C), (2), (4) IN ACCORDANCE WITH OBC SB-13 "GLASS IN GUARDS".
10. EXPANSION/CONTRACTION CONSIDERATION IN ACCORDANCE WITH OBC SB-1.
11. ALL BUILDING COMPONENTS TO WHICH RAILING IS ANCHORED MUST BE DESIGNED TO WITH STAND LOAD REACTION AND MOMENT FROM THE RAILING AND MEETS DURABILITY REQUIREMENTS PER CSA S478-95.



This Review by JRAMCO Inc. for the sole purpose of Framing, Glass and anchors Structural Adequacy in general conformance with OBC and CSA, is not intended to be used for any other purpose. Project Criteria: Design Wind Load = 1.5 kPa, Spacing of post = 1314 mm, Height of post 1800 mm Reviewed by: Fadi Aljabir for different criteria, design to be approved by professional engineer

RAILING MASTERS INC. 110 CLAIRPORT CRESCENT UNIT #4 ETOBICOKE, ON, M9W 6P3 T: (416) 832-7345 E: info@railingmasters.ca	PROJECT: DESIGN ARCHITECTS:	CLIENT: STRUCTURAL CONSULTANT:	NOTES: 1. ALL DIMENSIONS ARE IN MILLIMETERS. 2. ALL LEVELS ARE IN METERS UNLESS OTHERWISE MENTIONED.	REVISIONS NO. DATE DESCRIPTION 00 07-07-2025 BALCONY PRIVACY UNDER 01 15-07-2025 UPDATED AS PER NEW DESIGN	DRAWING NO. D.N DRAWN BY CHECKED BY APPROVED BY DATE OF ISSUE	ISSUED TO: ☐ CLIENT ☐ LOD ☐ TENDER ☐ GFC DRAWING ☒ SHOP DRAWING ☐ ADVANCE COPY ☐ FOR REFERENCE	DRAWING TITLE DESIGN NOTE	REVISION 01 PROJECT NO. SHEET SIZE - A3 SCALE AS SHOWN
---	--------------------------------	-----------------------------------	--	---	--	---	------------------------------	---



PROFILE	PROFILE NAME	DESCRIPTION
	BASE PLATE	BASE PLATE ANCHORED TO CONCRETE WITH (2x) 5/8" (13mm) X 3'-1/4" LONG HLTI KWK BOLT (TZ) S.S. EXPANSION ANCHOR (89mm EMBEDMENT) w/. LOCK & FLAT WASHER
 ALLOY-6061-T6	DIVIDER POST	(4) TAP 1/4"-18 TO MIN. 2" BASE PLATE BOILED TO THE POST WITH (4x) 1/4"-18 x 2" UNPAINTED FULLY THREADED SCREWS HEX DRIVE FLAT HEAD WASHER & LOCK WASHER
	DIVIDER GASKET	INSERT GASKET INTO DIVIDER GROOVE
 ALLOY-6061-T6	PICKET RAIL COVER PICKET RAIL PICKET POST	(1x) #10 x 1/2" PAN HEAD SELF TAPPING S.S. SCREW FASTENED TO PICKET RAIL AND EACH PICKET POST
 ALLOY-6061-T6	CONNECTING BRACKET	PAINTED CONNECTOR BRACKET FASTENED WITH (4x) #12 X 1/2" S.S. SCREW SELF TAPPING.
	Angle Bracket	Painted aluminum angle 3"x3"x2"x1/4" THICK fastened with (2x) #12x1" s.s. screws to each side of the divider post and fastened with (2x) #12 x 1" s.s. screw to the top rail or railing post.
		3"x3"x2"x1/4" PAINTED ALUMINUM ANGLE TO BE CONNECTED TO THE DIVIDER POST AT TOP WITH (2x) #12 x 1" S.S. SCREWS WITH WASHER (MAKE 2 VERTICAL SLOT ON THE ANGLE 1/4" LONG TO ALLOW FOR DEFLECTION) AND TO CONCRETE WITH (1) 1/2" (13mm) HLTI KWK BOLT (TZ) S.S. EXPANSION ANCHOR (89mm EMBEDMENT) w/. LOCK & FLAT WASHER

PROJECT: RAILING MASTERS INC. 110 CLAIREPORT CRESCENT Unit #4 ETOBICOKE, ON, M9W 6P3 T: (416) 832-7345 E: info@railingmasters.ca	CLIENT: STRUCTURAL CONSULTANT:	NOTES: 1. ALL DIMENSIONS ARE IN MILLIMETERS. 2. ALL LEVELS ARE IN METERS UNLESS OTHERWISE MENTIONED.	REVISIONS <table><tr><th>NO.</th><th>DATE</th><th>DESCRIPTION</th></tr><tr><td>00</td><td>07-07-2025</td><td>BALCONY PRIVACY DIVIDER</td></tr><tr><td>01</td><td>15-07-2025</td><td>UPDATED AS PER NEW DESIGN</td></tr></table>	NO.	DATE	DESCRIPTION	00	07-07-2025	BALCONY PRIVACY DIVIDER	01	15-07-2025	UPDATED AS PER NEW DESIGN	DRAWING NO. M/L	ISSUED TO: ☐ CLIENT ☐ DD ☐ TENDER ☐ GFC DRAWING ☒ SHOP DRAWING ☐ ADVANCE COPY ☐ FOR REFERENCE	DRAWING TITLE MATERIALS LIST	REVISION 01
				NO.	DATE	DESCRIPTION										
				00	07-07-2025	BALCONY PRIVACY DIVIDER										
				01	15-07-2025	UPDATED AS PER NEW DESIGN										
PROJECT NO.																
SHEET SIZE - A3																
SCALE																
AS SHOWN																

