

# ALUMINUM BALCONY RAILING PICKET SYSTEM

## RAILING MASTERS INC.

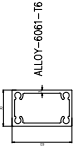
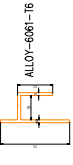
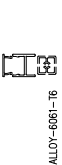
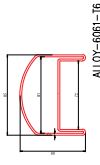
110 CLAIREPORT CRESCENT Unit #4 ,ETOBICOKE , ON, M9W 6P3  
T: (647) 838.7345 E: info@railingmasters.ca

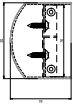
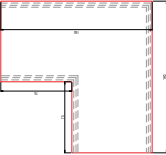
|                                                                                                                                                 |                                                  |                                       |                                                                                                        |           |            |                                            |                                                                                                                                                                                                                                                                                                 |                                 |                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------|-----------|------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------|
| PROJECT:<br><br>RAILING MASTERS INC.<br>110 CLAIREPORT CRESCENT Unit #4 ,ETOBICOKE , ON, M9W 6P3<br>T: (647) 838.7345 E: info@railingmasters.ca | DESIGN ARCHITECTS:<br><br>STRUCTURAL CONSULTANT: | CLIENT:<br><br>STRUCTURAL CONSULTANT: | NOTES:<br>1. DIMENSIONS ARE IN MILLIMETERS.<br>2. ALL LEVELS ARE IN METERS UNLESS OTHERWISE MENTIONED. | REVISIONS |            | DRAWING NO.<br><br>CP                      | ISSUED TO:<br><input type="checkbox"/> CLIENT<br><input type="checkbox"/> LDD<br><input type="checkbox"/> TENDER<br><input type="checkbox"/> GFC DRAWING<br><input checked="" type="checkbox"/> SHOP DRAWING<br><input type="checkbox"/> ADVANCE COPY<br><input type="checkbox"/> FOR REFERENCE | DRAWING TITLE<br><br>COVER PAGE | REVISION                                                     |
|                                                                                                                                                 |                                                  |                                       |                                                                                                        | 00        | 07-07-2025 |                                            |                                                                                                                                                                                                                                                                                                 |                                 | 02                                                           |
|                                                                                                                                                 |                                                  |                                       |                                                                                                        | 01        | 08-07-2025 |                                            |                                                                                                                                                                                                                                                                                                 |                                 | PROJECT RAILING DRAWING<br>TOP RAIL AND CONNECTOR<br>UPDATED |
|                                                                                                                                                 |                                                  |                                       |                                                                                                        | 02        | 14-07-2025 | CHECKED BY<br>APPROVED BY<br>DATE OF ISSUE |                                                                                                                                                                                                                                                                                                 |                                 | PROJECT NO.<br><br>02                                        |
|                                                                                                                                                 |                                                  |                                       |                                                                                                        |           |            | UPDATED AS PER NEW DESIGN                  |                                                                                                                                                                                                                                                                                                 |                                 | SHEET SIZE - A3<br>SCALE<br>AS SHOWN                         |

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.

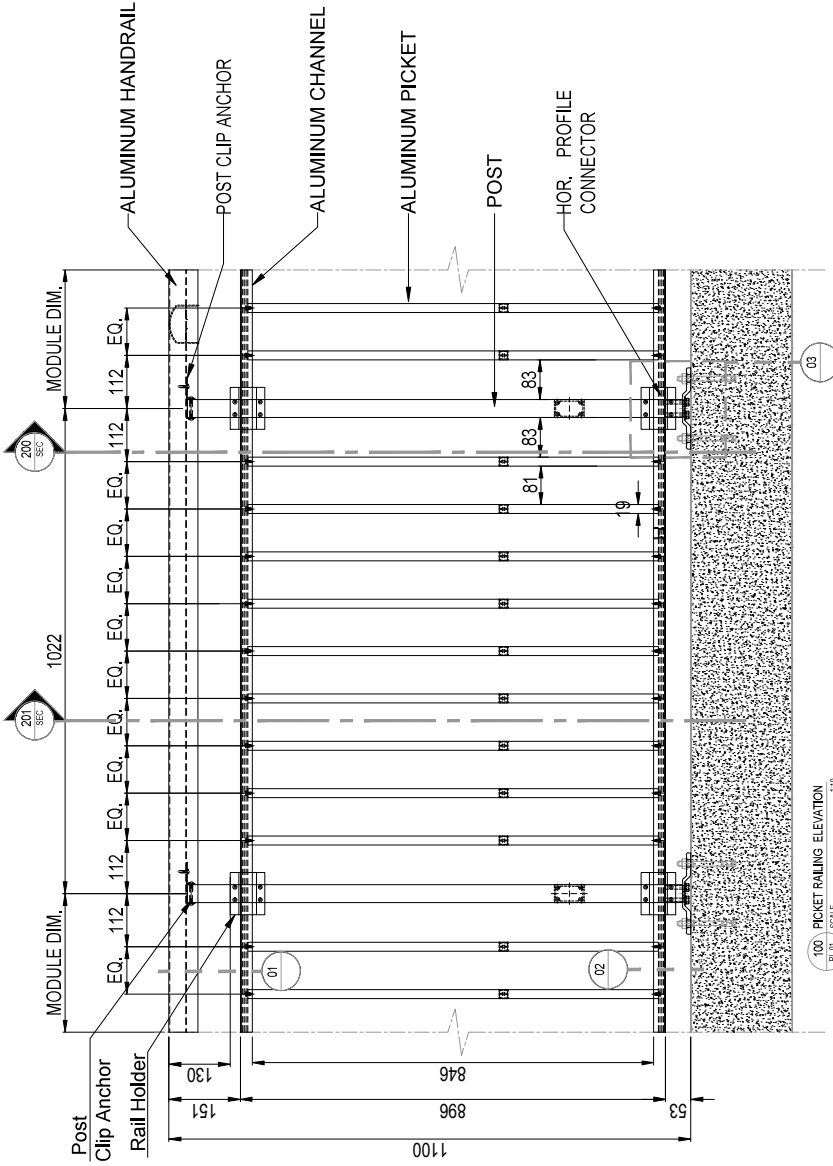


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| PROJECT:                                                                                                                    |  | CLIENT:                |  | NOTES                                                       |  | REVISONS |  | DRAWING NO. |  | ISSUED TO :               |  | DRAWING TITLE |  | REVISION        |  |
| RAILING MASTERS INC.<br>110 CLAREPORT CRESCENT UNIT #4, ETOBICOKE, ON M9W 6P3<br>T(416) 888 7345    Email@railingmasters.ca |  | DESIGN ARCHITECTS:     |  | 1. ALL DIMENSIONS ARE IN MILLIMETERS.                       |  | No.      |  | Date        |  | Description               |  | PROJECT       |  | PROJECT NO.     |  |
|                                                                                                                             |  |                        |  | 2. ALL DIMENSIONS ARE IN METRIC UNLESS OTHERWISE MENTIONED. |  | 01       |  | 07/27/2025  |  | PICKET RAILING DRAWING    |  | DEED          |  |                 |  |
|                                                                                                                             |  |                        |  |                                                             |  | 02       |  | 08/07/2025  |  | TOP RAIL AND CONNECTOR    |  | DEED          |  |                 |  |
|                                                                                                                             |  | STRUCTURAL CONSULTANT: |  |                                                             |  | 01       |  | 08/07/2025  |  | TOP RAIL AND CONNECTOR    |  | DEED          |  |                 |  |
|                                                                                                                             |  |                        |  |                                                             |  | 02       |  | 11/07/2025  |  | UPDATED AS PER NEW DESIGN |  | DEED          |  |                 |  |
|                                                                                                                             |  |                        |  |                                                             |  |          |  |             |  | CHECKED BY                |  | DESIGNED      |  | SHEET SIZE - A3 |  |
|                                                                                                                             |  |                        |  |                                                             |  |          |  |             |  | APPROVED BY               |  | SHOP DRAWING  |  | SCALE           |  |
|                                                                                                                             |  |                        |  |                                                             |  |          |  |             |  | DATE OF ISSUE             |  | ADVANCE COPY  |  | AS SHOWN        |  |
|                                                                                                                             |  |                        |  |                                                             |  |          |  |             |  |                           |  | JOB REFERENCE |  |                 |  |

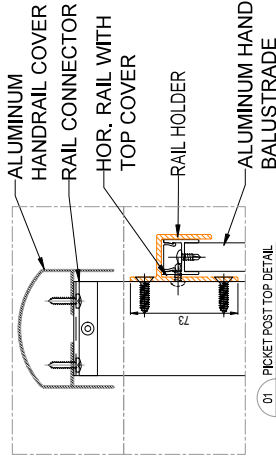
| PROFILE                                                                                               | PROFILE NAME                                    | DESCRIPTION                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>ALLOY-6061-T6  | BASE PLATE                                      | BASE PLATE ANCHORED TO THE POST WITH (4) #5/16" x 1 1/2" S.S. EXPANSION ANCHOR (90mm EMBEDMENT) +/- LOCK & FLAT WASHER                                                                                                                                                                                                               |
| <br>ALLOY-6061-T6  | RAILING POST                                    | (4) TAP #8" -18 TO MIN-1-5/8" TO THE POST WITH (4) #5/16" -18 TAPPING S.S. SCREW FASTENED TO POST FULLY THREADED WITH S.S. T316 #5/16" WASHER & LOCK WASHER                                                                                                                                                                          |
| <br>ALLOY-6061-T6  | GLASS RAIL HOLDER                               | (4) #12 x 1" PAINTED PAN HEAD SELF TAPPING S.S. SCREW FASTENED TO POST                                                                                                                                                                                                                                                               |
| <br>ALLOY-6061-T6  | PICKET RAIL COVER<br>PICKET RAIL<br>PICKET POST | (1) #10 x 1/2" PAN HEAD SELF TAPPING S.S. SCREW FASTENED TO PICKET RAIL AND EACH PICKET                                                                                                                                                                                                                                              |
|                    | DOUBLE SIDED TAPE                               | 15mm DOUBLE SIDED TAPE INSTALLED BETWEEN GLASS RAIL HOLDER AND GLASS CHANNEL                                                                                                                                                                                                                                                         |
| <br>ALLOY-6061-T6  | POST CLIP ANCHOR                                | POST CLIP ANCHOR INSTALLED AT THE TOP OF POST FASTENED TO THE POST WITH (2) #10 x 3/4" PAINTED PAN HEAD SELF TAPPING S.S. SCREW                                                                                                                                                                                                      |
| <br>ALLOY-6061-T6  | HAND RAIL                                       | HAND RAIL FASTENED TO POST WITH (2) #10 x 3/4" PAINTED PAN HEAD SELF TAPPING S.S. SCREW                                                                                                                                                                                                                                              |
| <br>ALLOY-6061-T6 | 127mm LONG CONNECTING SLEEVE                    | EXPANSION JOINT TO BE AT EVERY 1270mm (50") FASTENED WITH (2) #10 x 3/4" PAN HEAD SELF TAPPING S.S. SCREW ON ONE SIDE ONLY.<br><br>CONNECTING SLEEVE TO BE LOCATED WHERE THE RAIL ON EITHER SIDE WILL BE MOUNTED BETWEEN THE POSTS FASTENED TO THE RAIL WITH (4) #12 x 1" PAINTED PAN HEAD SELF TAPPING S.S. SCREW2 SCREWS EACH SIDE |

| PROFILE                                                                           | PROFILE NAME             | DESCRIPTION                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | END CAP                  | PAINTED END CAP FASTENED TO S.S. ANGLE WITH (2x) #10 x 3/4" PAINTED PAN HEAD SELF TAPPING S.S. SCREW                                                                                                                               |
|  | S.S. ANGLE               | 25mm/25mm X 25MM THICKNESS X 10mm/10mm S.S. ANGLE FASTENED TO PAINTED END CAP WITH (2) #10 X 3/4" PAINTED PAN HEAD SELF TAPPING S.S. SCREW AND TO UNDERSIDE OF THE HAND RAIL WITH (2x) #10 x 3/4" PAN HEAD SELF TAPPING S.S. SCREW |
|  | 180mm LONG CORNER SLEEVE | CORNER SLEEVE FASTENED TO HAND RAIL WITH (4) #10 x 3/4" PAN HEAD SELF TAPPING S.S. SCREW 2. SCREWS EACH DIRECTION                                                                                                                  |

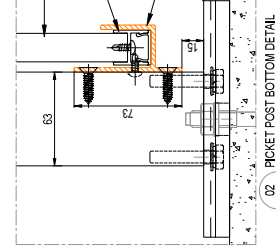
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| RAILING MASTERS INC.<br>110 CLAREMONT CRESCENT UNIT #4, ETOBICOKE, ON, M9W 6P3<br>T: (416) 738-7345 Email: info@railingsmasters.ca |  |  |  |  |  |  |  |  |  | PROJECT:               |  | CLIENT: |  | NOTES<br>1. ALL DIMENSIONS ARE IN MILLIMETERS.<br>2. ALL LEVELS ARE IN METERS UNLESS OTHERWISE MENTIONED. |  | DRAWING NO. 02 |  |  |  |                |  |  |  |  |  | REVISION |  |  |  |                 |
| DESIGN ARCHITECTS:                                                                                                                 |  |  |  |  |  |  |  |  |  | STRUCTURAL CONSULTANT: |  |         |  |                                                                                                           |  |                |  |  |  | PROJECT NO.    |  |  |  |  |  |          |  |  |  | SHEET SIZE • A3 |
|                                                                                                                                    |  |  |  |  |  |  |  |  |  |                        |  |         |  |                                                                                                           |  |                |  |  |  | MATERIALS LIST |  |  |  |  |  |          |  |  |  | AS SHOWN        |
|                                                                                                                                    |  |  |  |  |  |  |  |  |  |                        |  |         |  |                                                                                                           |  |                |  |  |  | DRAWING TITLE  |  |  |  |  |  |          |  |  |  | AS SHOWN        |
|                                                                                                                                    |  |  |  |  |  |  |  |  |  |                        |  |         |  |                                                                                                           |  |                |  |  |  | ISSUED TO :    |  |  |  |  |  |          |  |  |  | SCALE           |
|                                                                                                                                    |  |  |  |  |  |  |  |  |  |                        |  |         |  |                                                                                                           |  |                |  |  |  | CONCEPT        |  |  |  |  |  |          |  |  |  | AS SHOWN        |
|                                                                                                                                    |  |  |  |  |  |  |  |  |  |                        |  |         |  |                                                                                                           |  |                |  |  |  | REDD           |  |  |  |  |  |          |  |  |  | AS SHOWN        |
|                                                                                                                                    |  |  |  |  |  |  |  |  |  |                        |  |         |  |                                                                                                           |  |                |  |  |  | TENDER         |  |  |  |  |  |          |  |  |  | AS SHOWN        |
|                                                                                                                                    |  |  |  |  |  |  |  |  |  |                        |  |         |  |                                                                                                           |  |                |  |  |  | GFC DRAWING    |  |  |  |  |  |          |  |  |  | AS SHOWN        |
|                                                                                                                                    |  |  |  |  |  |  |  |  |  |                        |  |         |  |                                                                                                           |  |                |  |  |  | SHOP DRAWING   |  |  |  |  |  |          |  |  |  | AS SHOWN        |
|                                                                                                                                    |  |  |  |  |  |  |  |  |  |                        |  |         |  |                                                                                                           |  |                |  |  |  | ADVANCE COPY   |  |  |  |  |  |          |  |  |  | AS SHOWN        |
|                                                                                                                                    |  |  |  |  |  |  |  |  |  |                        |  |         |  |                                                                                                           |  |                |  |  |  | FOR REFERENCE  |  |  |  |  |  |          |  |  |  | AS SHOWN        |
|                                                                                                                                    |  |  |  |  |  |  |  |  |  |                        |  |         |  |                                                                                                           |  |                |  |  |  | DATE OF ISSUE  |  |  |  |  |  |          |  |  |  | AS SHOWN        |



100 PICKET RAILING ELEVATION  
P-01 SCALE 1:10

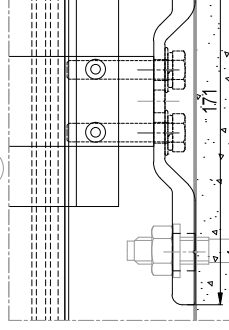


01 PICKET POST TOP DETAIL  
P-01 SCALE 1:2

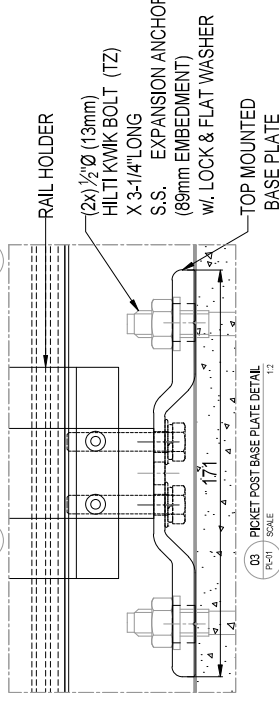


02 PICKET POST BOTTOM DETAIL  
P-01 SCALE 1:2

200 PICKET RAILING SECTION  
P-01 SCALE 1:10



201 PICKET RAILING SECTION  
P-01 SCALE 1:10



03 PICKET POST BASE PLATE DETAIL  
P-01 SCALE 1:2

|                                                                                                                                                            |                                                   |                                                      |                                                                                                                                       |                           |             |                     |                                                                                                                                                                                                                                                                                                                   |                                                                  |                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|----------------|
| <div>RAILING MASTERS INC.</div> <div>110 CLAIRPORT CRESCENT UNIT #4, ETOBICOKE, ON, M9W 6P3</div> <div>1-(416) 838-7345 Email:info@railingmasters.ca</div> | <div>PROJECT:</div> <div>DESIGN ARCHITECTS:</div> | <div>CLIENT:</div> <div>STRUCTURAL CONSULTANT:</div> | <div>NOTES:</div> <div>1. ALL DIMENSIONS ARE IN MILLIMETERS.</div> <div>2. ALL LEVELS ARE IN METERS UNLESS OTHERWISE MENTIONED.</div> | REVISIONS                 |             | DRAWING NO.<br>P.R. | ISSUED TO :<br><div><input type="checkbox"/> CLIENT</div> <div><input type="checkbox"/> ARCHITECT</div> <div><input type="checkbox"/> TENDER</div> <div><input checked="" type="checkbox"/> SHOP DRAWING</div> <div><input type="checkbox"/> ADVANCE COPY</div> <div><input type="checkbox"/> FOR REFERENCE</div> | DRAWING TITLE<br>PICKET RAILING ELEVATION<br>SECTION AND DETAILS | REVISION<br>02 |
|                                                                                                                                                            |                                                   |                                                      |                                                                                                                                       | No.                       | Date        |                     |                                                                                                                                                                                                                                                                                                                   |                                                                  |                |
|                                                                                                                                                            |                                                   |                                                      |                                                                                                                                       | 00                        | 07-22-2025  |                     |                                                                                                                                                                                                                                                                                                                   |                                                                  |                |
|                                                                                                                                                            |                                                   |                                                      |                                                                                                                                       | Description               |             |                     |                                                                                                                                                                                                                                                                                                                   |                                                                  |                |
|                                                                                                                                                            |                                                   |                                                      |                                                                                                                                       | PICKET RAILING DRAWING    |             |                     |                                                                                                                                                                                                                                                                                                                   |                                                                  |                |
|                                                                                                                                                            |                                                   |                                                      |                                                                                                                                       | TOP RAIL AND CONNECTOR    |             |                     |                                                                                                                                                                                                                                                                                                                   |                                                                  |                |
|                                                                                                                                                            |                                                   |                                                      |                                                                                                                                       | UPDATED 30 DRAWING ADDED  |             |                     |                                                                                                                                                                                                                                                                                                                   |                                                                  |                |
|                                                                                                                                                            |                                                   |                                                      |                                                                                                                                       | 01                        | 08-07-2025  |                     |                                                                                                                                                                                                                                                                                                                   |                                                                  |                |
|                                                                                                                                                            |                                                   |                                                      |                                                                                                                                       | GFC DRAWING               |             |                     |                                                                                                                                                                                                                                                                                                                   |                                                                  |                |
|                                                                                                                                                            |                                                   |                                                      |                                                                                                                                       | UPDATED AS PER NEW DESIGN |             |                     |                                                                                                                                                                                                                                                                                                                   |                                                                  |                |
| 02                                                                                                                                                         |                                                   | 14-07-2025                                           | CHECKED BY                                                                                                                            |                           | APPROVED BY | DATE OF ISSUE       |                                                                                                                                                                                                                                                                                                                   |                                                                  |                |
|                                                                                                                                                            |                                                   |                                                      |                                                                                                                                       |                           |             |                     |                                                                                                                                                                                                                                                                                                                   |                                                                  |                |
|                                                                                                                                                            |                                                   |                                                      |                                                                                                                                       |                           |             |                     |                                                                                                                                                                                                                                                                                                                   |                                                                  |                |
|                                                                                                                                                            |                                                   |                                                      |                                                                                                                                       |                           |             |                     |                                                                                                                                                                                                                                                                                                                   |                                                                  |                |