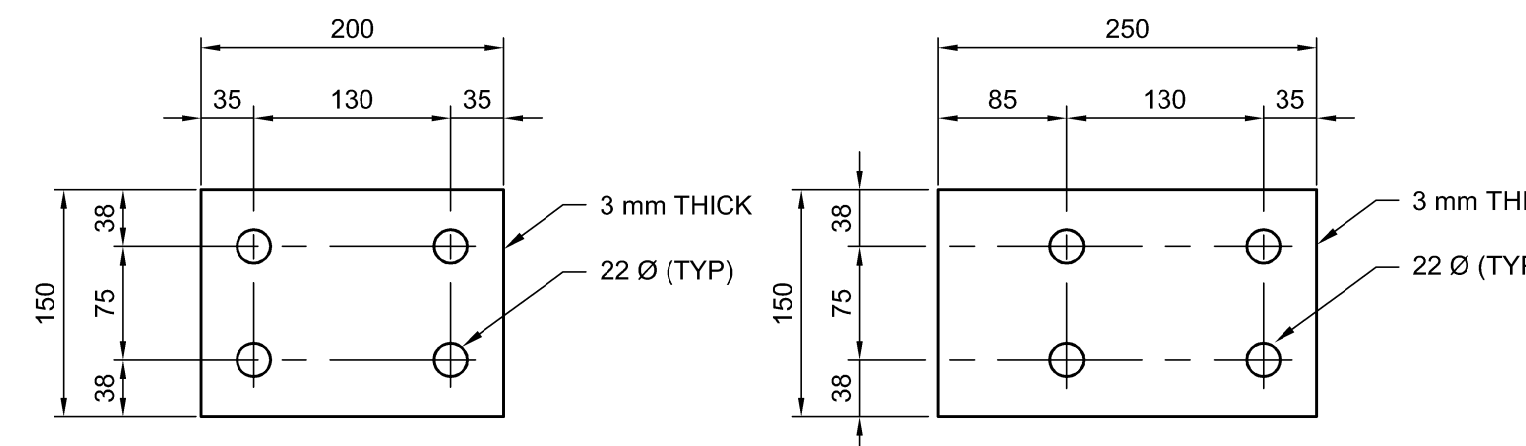
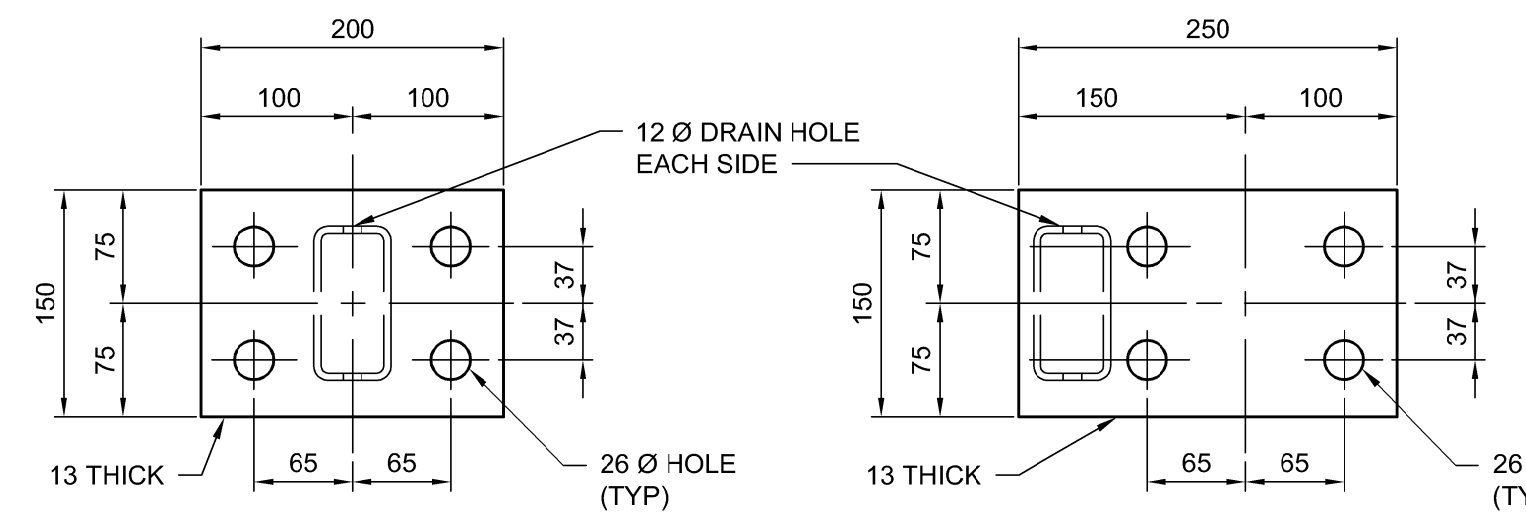


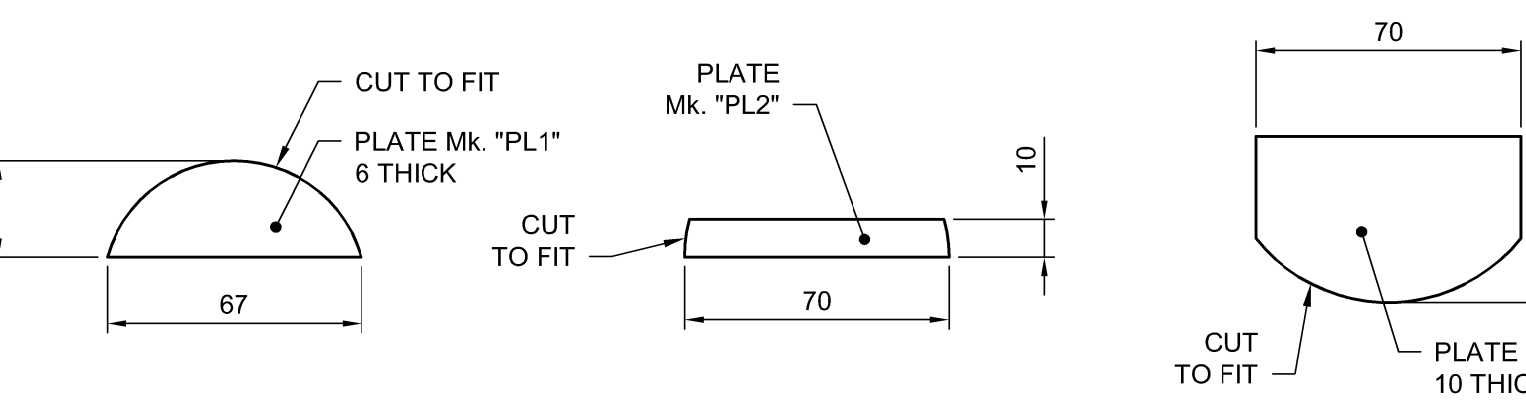
**DETAIL 1**  
1:5  
TYPICAL SHIM DETAIL AT ALL INTERMEDIATE POSTS



**DETAIL 3**  
1:5  
TYPICAL NEOPRENE PAD DETAIL AT INTERMEDIATE POSTS



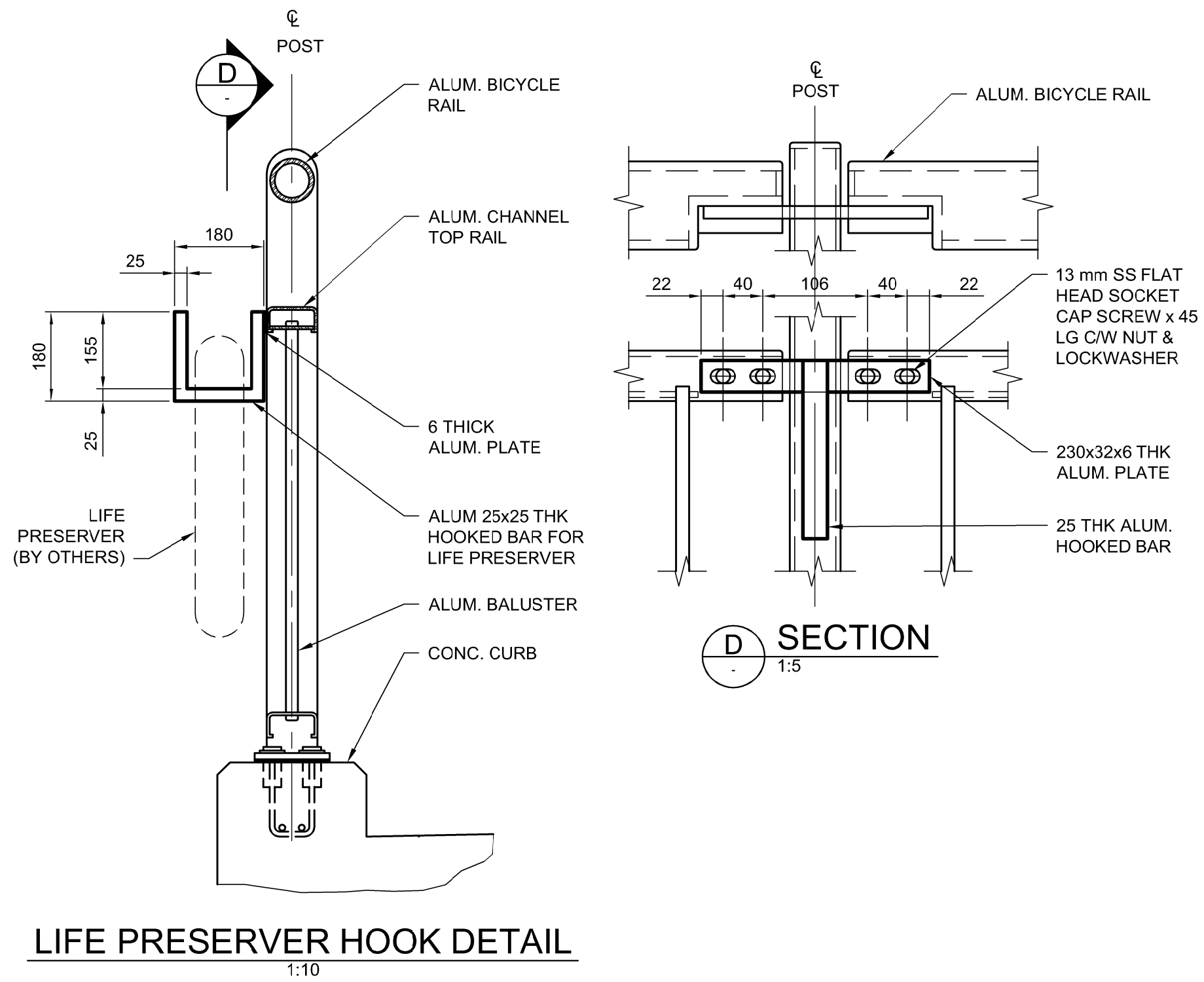
**BASE PLATE DETAIL Mk. 'BP2'**  
1:5



**PLATE Mk. 'PL1'**  
1:2  
SHOWING SLOTS FOR RAIL SEATS

**PLATE Mk. 'PL2'**  
1:2  
SHOWING SLOTS FOR RAIL SEATS

**PLATE Mk. 'PL3'**  
1:2  
SHOWING SLOTS FOR RAIL SEATS



**BILL OF MISCELLANEOUS ALUMINUM  
FOR PEDESTRIAN HANDRAIL/BICYCLE RAIL**

Table with columns: PANEL No., DESCRIPTION, SIZE, LENGTH, REMARKS, COMPONENT MASS, MASS PER UNIT, TOTAL MASS. Includes items for Standard and Expansion Handrail/Bicycle Rail Panels.

**BILL OF MISCELLANEOUS ALUMINUM (CONT'D)  
FOR PEDESTRIAN HANDRAIL/BICYCLE RAIL**

Table with columns: PANEL No., DESCRIPTION, SIZE, LENGTH, REMARKS, COMPONENT MASS, MASS PER UNIT, TOTAL MASS. Includes items for Expansion Handrail/Bicycle Panel and Aluminum End Post.

**BILL OF MISCELLANEOUS METAL  
FOR PEDESTRIAN HANDRAIL (FASTENERS)**

Table with columns: PANEL No., DESCRIPTION, MASS PER UNIT, TOTAL MASS. Lists various fasteners and hardware for the handrail.

**NOTES:**

- 1. ALUMINUM EXTRUSIONS SHALL CONFORM TO ASTM B221 ALLOY 6351-T6. ALUMINUM PLATES SHALL CONFORM TO ASTM B221 ALLOY 5083.
2. THE M.I.G. PROCESS OF WELDING SHALL BE USED.
3. RAIL POSTS AND BALUSTER SHALL BE SET VERTICAL.
4. PLACE NEOPRENE PAD UNDER EACH POST BETWEEN BASE PLATE OR SHIM AND CONCRETE SURFACE. ALUMINUM SHIMS MAY BE REQUIRED FOR VERTICAL ALIGNMENT.
5. HANDRAIL ANCHOR INSERTS SHALL BE STAINLESS STEEL.
6. FOR PANEL LAYOUT, REFER TO SHEET CS-046.

APEGM Certificate of Authorization
Dillon Consulting Limited (MB)
No. 1789 Date: 2018/02/09

Table with columns: DESIGNED BY, CHECKED BY, DRAWN BY, APPROVED BY, HOR. SCALE, VERTICAL, ISSUED FOR TENDER, REVISIONS.

Professional Engineer seal for D.R.C. AMORIM, Member 33215. City of Winnipeg Public Works Department logo. Project information: FERMOR AVENUE BRIDGE OVER SEINE RIVER, ALUMINUM PEDESTRIAN HANDRAIL DETAILS 3 OF 3, CS-046.

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