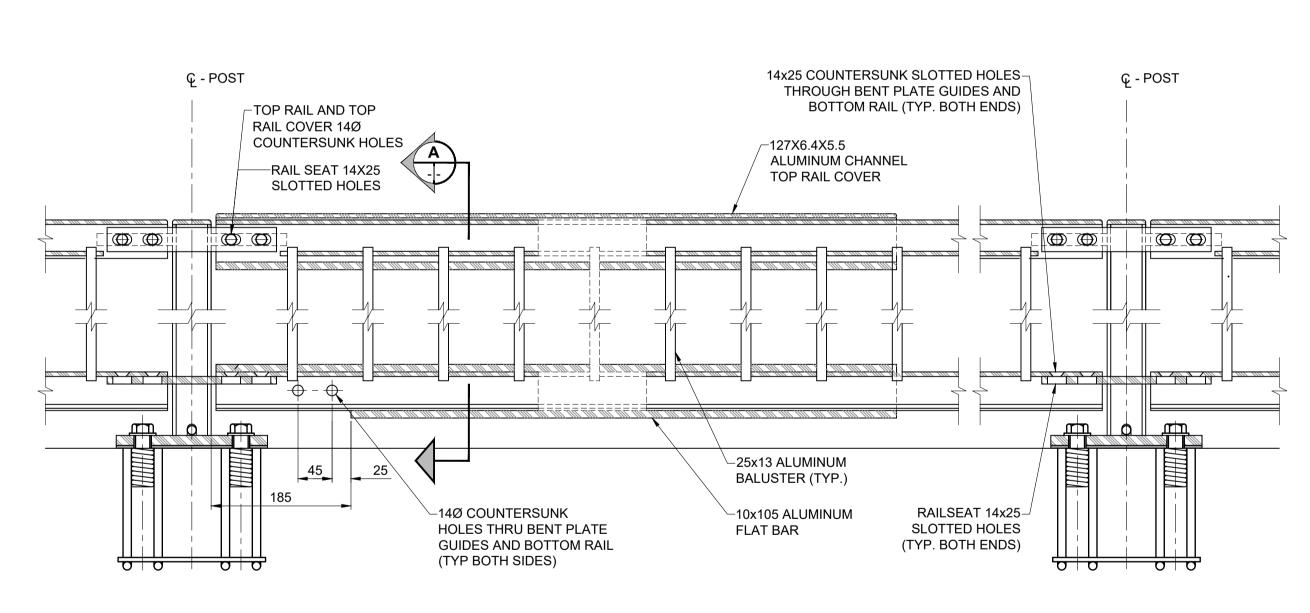


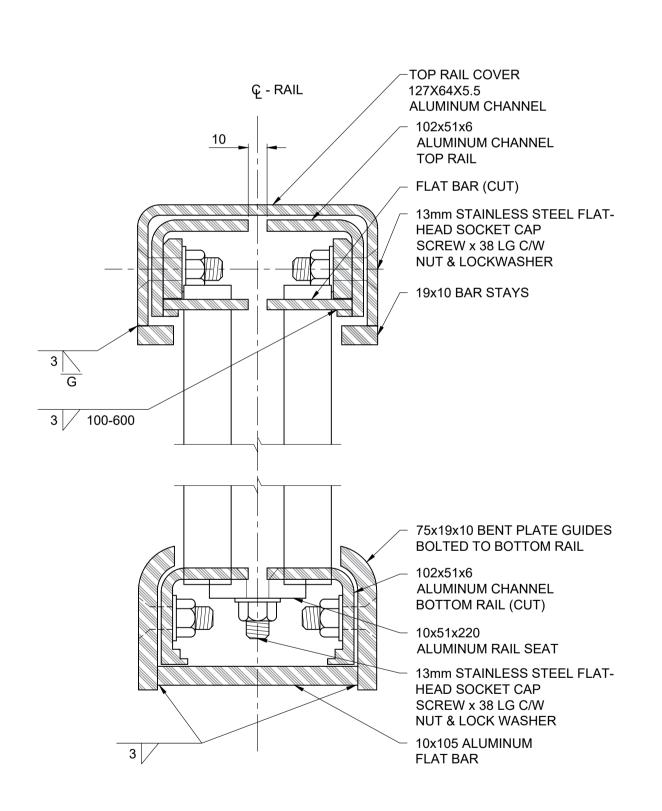
# **EXPANSION PANEL Mk. A ELEVATION**

SCALE: 1:10



### **EXPANSION PANEL SECTION**

AT CENTRELINE OF RAILS SCALE: 1:5



# **SECTION - HANDRAIL POST**

- 1. ALUMINUM EXTRUSIONS SHALL CONFORM TO ASTM B221 ALLOY 6351-T6.
- 2. ALUMINUM PLATES SHALL CONFORM TO ASTM B221 ALLOY 5083.
- 3. THE M.I.G. PROCESS OF WELDING SHALL BE USED. 4. RAIL POSTS AND BALUSTERS SHALL BE SET PLUMB.
- 5. PLACE NEOPRENE PAD UNDER EACH POST BETWEEN BASE PLATE OR
- SHIM AND CONCRETE SURFACE. ALUMINUM SHIMS MAY BE REQUIRED FOR VERTICAL ALIGNMENT.
- 6. HANDRAIL ANCHOR INSERTS SHALL BE ACROW-RICHMOND TYPE DGRS-1.

BID OPPORTUNITY No. 602-2018

CITY DRAWING NUMBER



LOCATION APPROVED UNDERGROUND STRUCTURES SUPR. U/G STRUCTURES DATE COMMITTEE NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.





B.A.F.

Member

32723

## THE CITY OF WINNIPEG **PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION**

**EMPRESS STREET PROJECT** 

PEDESTRIAN ACCESSIBILITY RAMPS

**NORTH RAMP** 

PEDESTRIAN HANDRAIL DETAILS 3

	P-3494-157	
SHEET	OF	
	157	169
DRAWIN	DRAWING No.	
	157	С