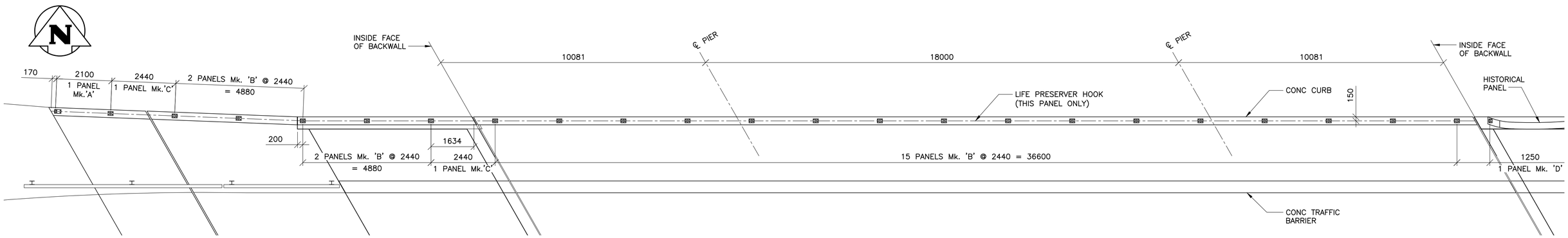
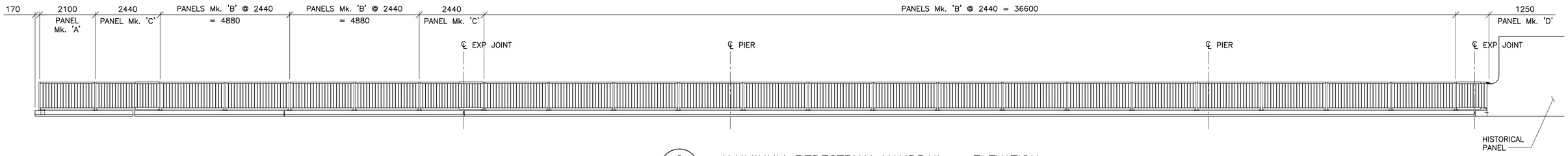
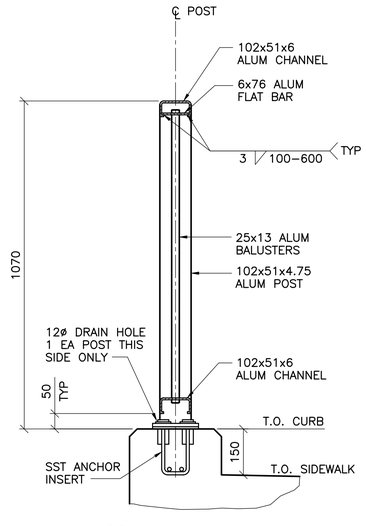


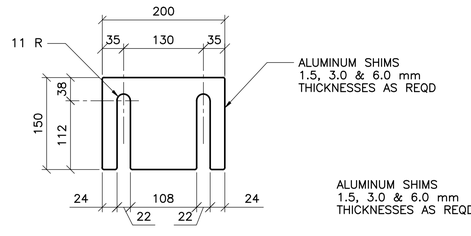
1 — ALUMINUM PEDESTRIAN HANDRAIL – LAYOUT
1 : 75



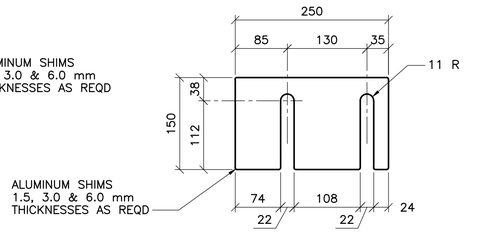
2 — ALUMINUM PEDESTRIAN HANDRAIL – ELEVATION
1 : 75



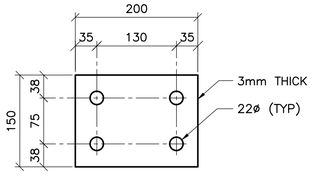
3 — TYP SECTION
1 : 10



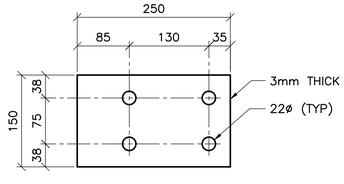
4 — SHIM DETAIL
1 : 5
– TYP AT ALL INTERMEDIATE POST



6 — SHIM DETAIL – END POST
1 : 5
– TYP AT ALL END POST



5 — NEOPRENE PAD DETAIL
1 : 5
– TYP AT ALL INTERMEDIATE POST



7 — NEOPRENE PAD DETAIL – END POST
1 : 5
– TYP AT ALL END POST

PHASE 1 – ALUMINUM PEDESTRIAN HANDRAIL PANEL DATA			
PANEL	No. REQ'D	POST SPACING	REMARKS
A	1	2100	END PANEL
B	19	2440	INTERMEDIATE PANEL
C	2	2440	EXPANSION PANEL
D	1	1250	EXPANSION PANEL
TOTAL =	23 PANELS		

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. SST DENOTES STAINLESS STEEL.
4. RAIL POSTS AND BALUSTERS SHALL BE SET VERTICAL.
5. PLACE NEOPRENE PAD UNDER EACH POST BETWEEN BASE PLATE/ OR SHIM AND CONC SURFACE. ALUMINUM SHIMS MAY BE REQUIRED FOR VERTICAL ALIGNMENT.
6. HANDRAIL ANCHOR INSERTS SHALL BE ACROW–RICHMOND TYPE DGRS–1.

APEGM Certificate of Authorization TETRA TECH WEI Inc. No. 5313 Date: April 30, 2014

B.M. ELEV.		F.B.		
0	ISSUED FOR TENDER	13.12.09	V.B.	
NO.	REVISIONS	DATE	BY	

TETRA TECH

DESIGNED BY	D.M.	CHECKED BY	V.B.
DRAWN BY	G.I.	APPROVED BY	E.F.S.
HOR. SCALE: / VERTICAL:	AS NOTED	RELEASED FOR CONSTRUCTION	DATE
DATE	13.07.18	ORIGINAL SIGNED	13.12.09
		D. BURMEY, P.ENG. BRIDGE PROJECTS ENGINEER	

ORIGINAL SIGNED 13.12.09 V. BANTHIA Member 23477 PROFESSIONAL ENGINEER PROVINCE OF MANITOBA

CONSULTANT DRAWING NO. 1300070700–DWG–S0026

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

PORTAGE AVENUE TWIN BRIDGES
OVER STURGEON CREEK
REHABILITATION AND RELATED WORKS

CITY DRAWING NUMBER B178–14–026

SHEET 26 OF 70

PHASE 1 CONSTRUCTION
NORTH STRUCTURE
ALUMINUM PEDESTRIAN HANDRAIL LAYOUT

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