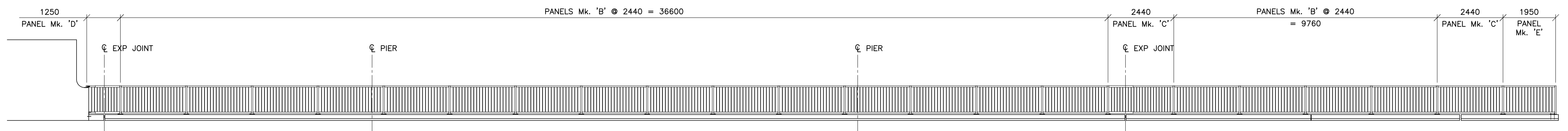
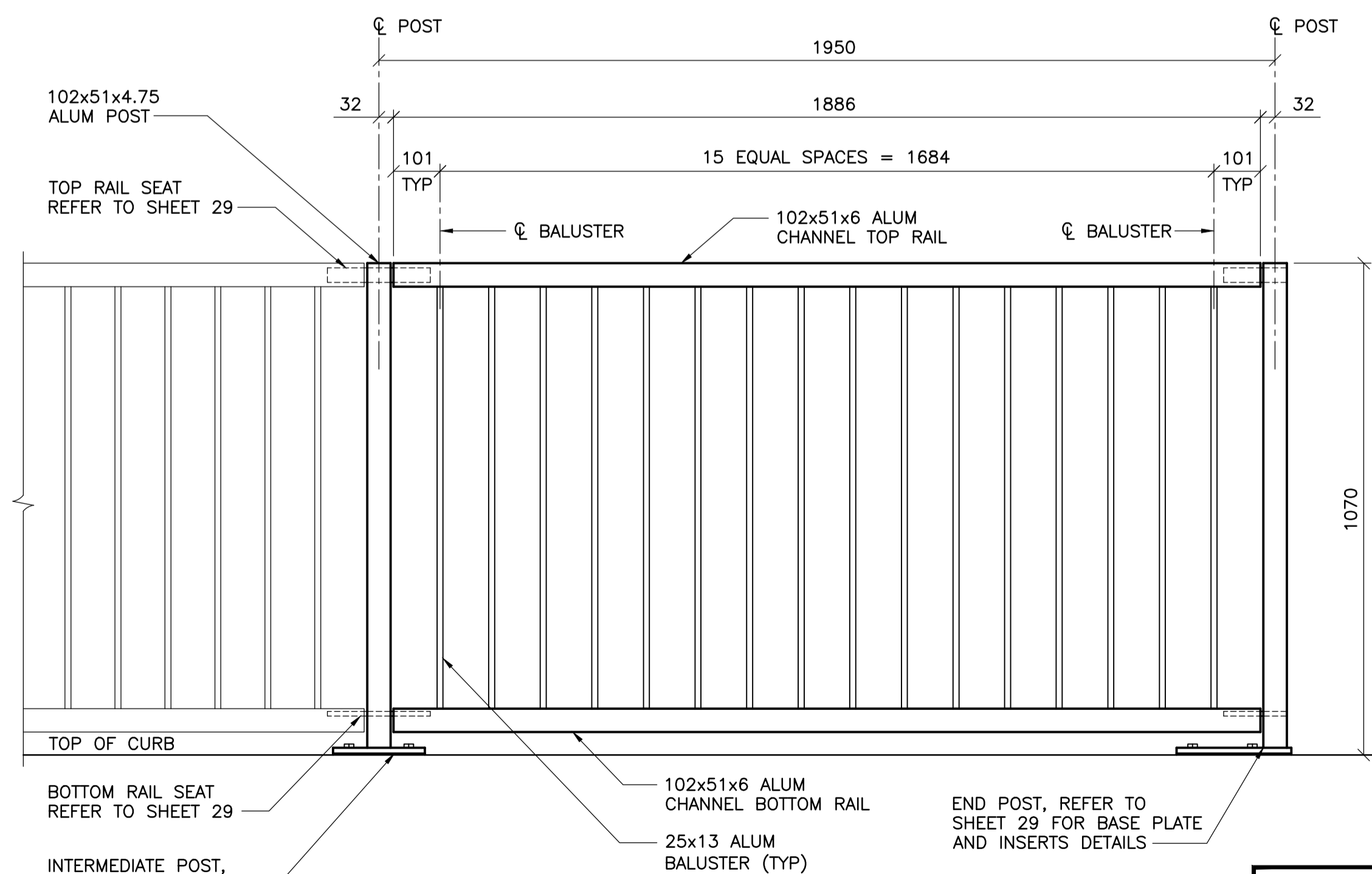


1 ALUMINUM PEDESTRIAN HANDRAIL - LAYOUT
1 : 75



2 ALUMINUM PEDESTRIAN HANDRAIL - ELEVATION
1 : 75



3 ELEVATION - PANEL Mk. 'E'
1 : 10

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.

REFER TO PHASE 1 CONSTRUCTION ALUM HANDRAIL DWGS FOR ALL OTHER PANEL DETAILS.

PHASE 2 - ALUMINUM PEDESTRIAN HANDRAIL PANEL DATA			
PANEL	No. REQ'D	POST SPACING	REMARKS
B	19	2440	INTERMEDIATE PANEL
C	2	2440	EXPANSION PANEL
D	1	1250	EXPANSION PANEL
E	1	1950	END PANEL
TOTAL = 23 PANELS			



B.M. ELEV.	F.B.	DATE	BY
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: AS NOTED	RELEASED FOR CONSTRUCTION DATE: 13.12.09
VERTICAL: AS NOTED	ORIGINAL SIGNED: 13.12.09

J. BURNETT, P. ENG. BRIDGE PROJECTS ENGINEER

ORIGINAL SIGNED 13.12.09
V. BANTHIA
Member 23477

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

PORTAGE AVENUE TWIN BRIDGES
OVER STURGEON CREEK
REHABILITATION AND RELATED WORKS

PHASE 2 CONSTRUCTION
ALUMINUM PEDESTRIAN HANDRAIL
LAYOUT - SOUTH STRUCTURE

CITY DRAWING NUMBER
B178-14-055
SHEET 55 OF 70

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