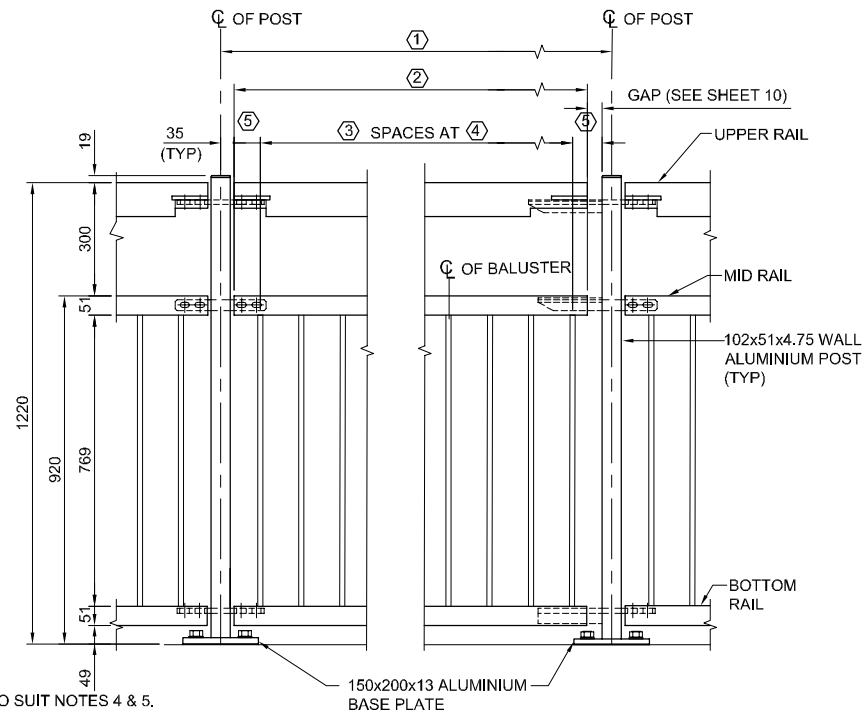


ELEVATION FOR PANEL TYPES 'A', 'C', 'D' & 'E'

0 100 200 300 mm SCALE 1:10



ELEVATION FOR PANEL TYPE 'B'

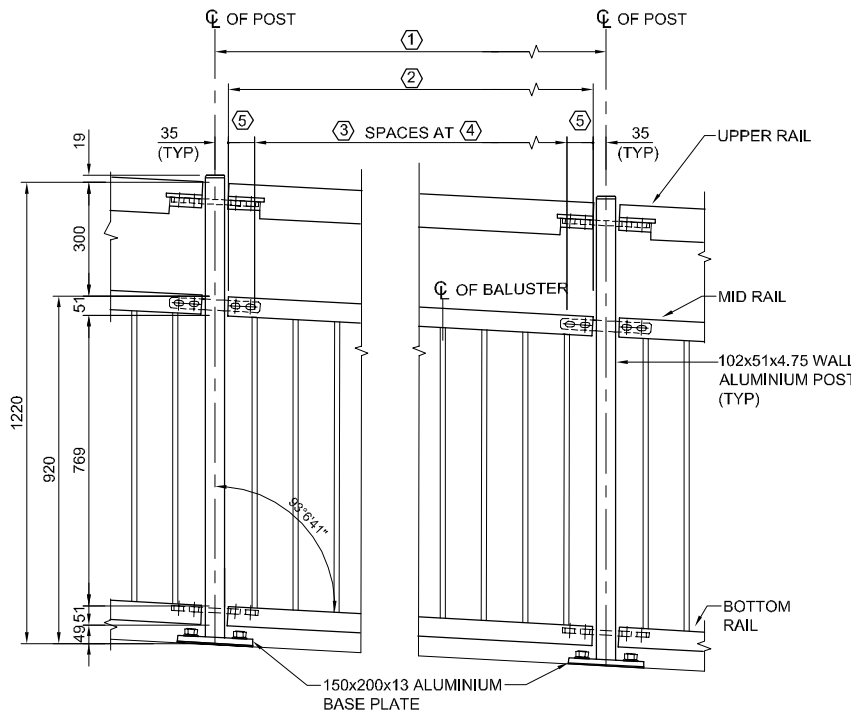
0 100 200 300 mm SCALE 1:10

NOTE: ADJUST PANELS TO SUIT NOTES 4 & 5.

NOTES:

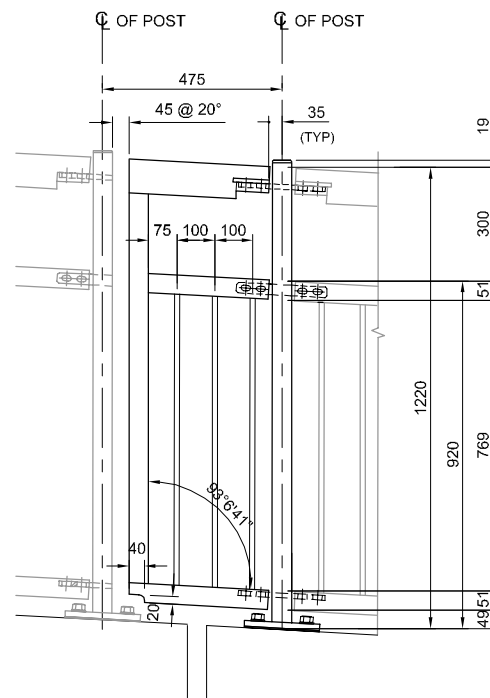
- THIS DRAWING TO BE READ IN CONJUNCTION WITH SHEET Nos. 11, 12 AND 13 AND THE SPECIFICATIONS.
- ALUMINIUM EXTRUSIONS SHALL CONFORM TO ASTM B221, ALLOY 6351-T6. ALUMINIUM PLATES SHALL CONFORM TO ASTM B221, ALLOY 5083. STAINLESS STEEL HEXAGONAL HEAD CAP SCREWS SHALL MEET THE ASTM A276, TYPE 316 REQUIREMENTS.
- M.I.G. WELDING PROCESS SHALL BE USED.
- RAIL POST AND BALUSTERS SHALL BE SET VERTICAL.
- PRESET ANCHORS AND BASE PLATE FOR THE RAIL POSTS SHALL NOT INTERFERE WITH THE CURB JOINTS. ADJUST PANELS TO SUIT.
- PLACE NEOPRENE PAD UNDER EACH POST BETWEEN BASE PLATE OR SHIM AND CONCRETE SURFACE. ALUMINIUM SHIMS MAY BE REQUIRED FOR VERTICAL ALIGNMENT
- ANTI-SEIZE COATING TO BE SUPPLIED AND APPLIED TO ALL THREADED COMPONENTS WHEN BEING ASSEMBLED, IE. LPS-3- MANUFACTURED BY HOLT-LLOYD (CANADA) LTD. MARKUM ONTARIO.
- SS DENOTES STAINLESS STEEL.
- ALL SLOTTED HOLES MUST BE FINISHED SMOOTH AND TRUE.

PANEL DATA - ELM PARK								
PANEL TYPE	NO. REQ'D		①	②	③	④	⑤	
	WEST	EAST						
'A'	2	2	1665	1595	14	100	97.5	
'B'	4	4	1220	1150	10	100	75	
'C'	9	9	1905	1835	17	95	110	
'D'	1	1	1220	1150	10	100	75	
'E'	61	61	2440	2370	22	100	85	
'F'	10	10	1800	1730	15	104	85	
'G'	1	1	AS PER DETAIL					
'H'	2	2	1950	1880	17	100	90	



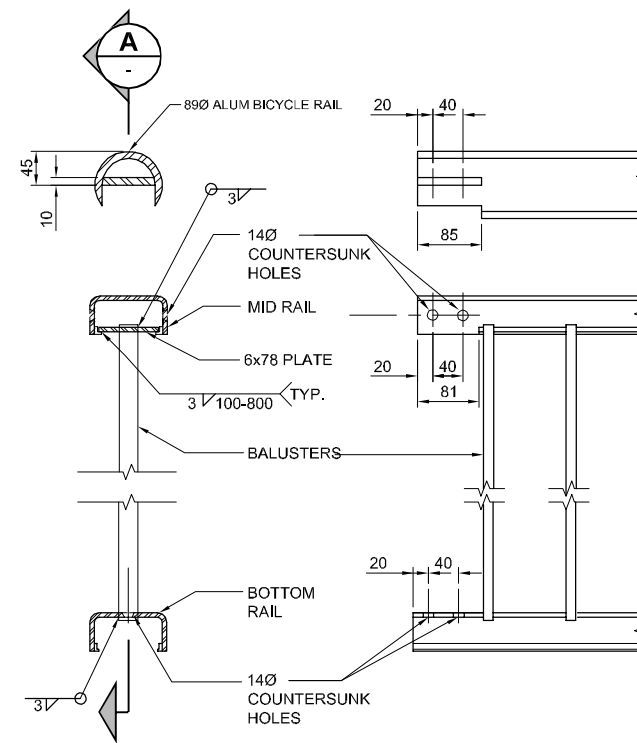
ELEVATION FOR PANEL TYPES 'F' & 'H'

0 100 200 300 mm SCALE 1:10



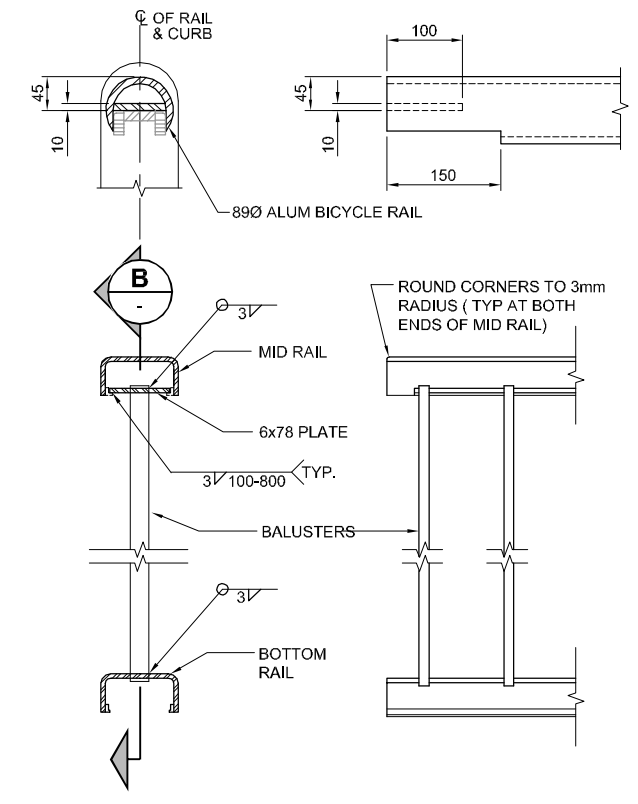
ELEVATION FOR PANEL TYPE 'G'

0 100 200 300 mm SCALE 1:10



TYPICAL PANEL END SECTION A

0 50 100 150 mm SCALE 1:5



PANEL EXPANSION END SECTION B

0 50 100 150 mm SCALE 1:5

SECTION B

0 50 100 150 mm SCALE 1:5

BID OPPORTUNITY NO. 632-2011

LOCATION APPROVED UNDERGROUND STRUCTURES

SUPR. UG 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.



DESIGNED BY MK
DRAWN BY KC
HOR. SCALE AS NOTED
VERT. SCALE AS NOTED
DATE

CHECKED BY KAA/EBL
APPROVED BY EBL
RELEASED FOR CONSTRUCTION
DATE

PROFESSIONAL'S SEAL

ORIGINAL SIGNED BY ANDREW BROMLEY 2011, 07, 28

CONSULTANT DRAWING NO. 60216082-S-502_RX.dwg



THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT

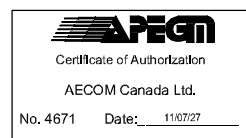
ELM PARK PEDESTRIAN BRIDGE REHABILITATION

PEDESTRIAN HANDRAIL DETAILS - SHEET 1

CITY DRAWING NUMBER B131-11-16

SHEET 12 OF 13

REV 12 0



METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES