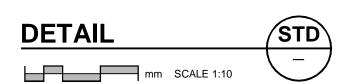
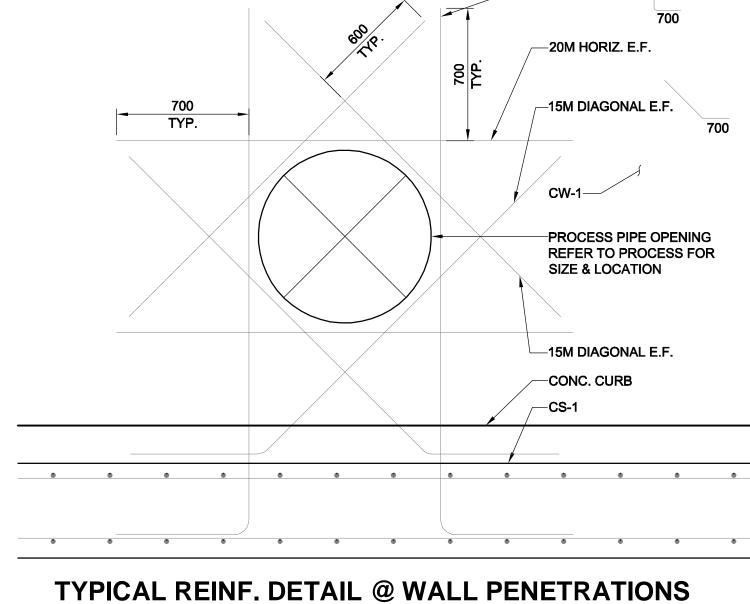


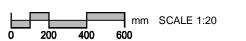
WATERSTOP DETAIL @ PIPES

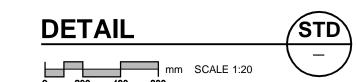


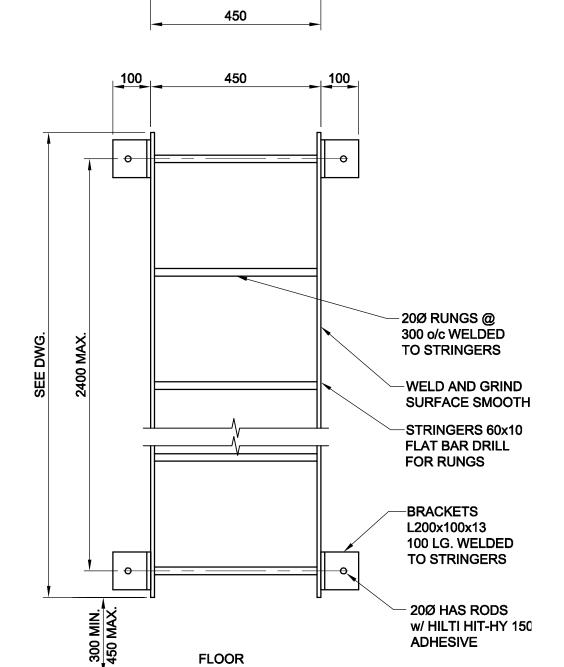




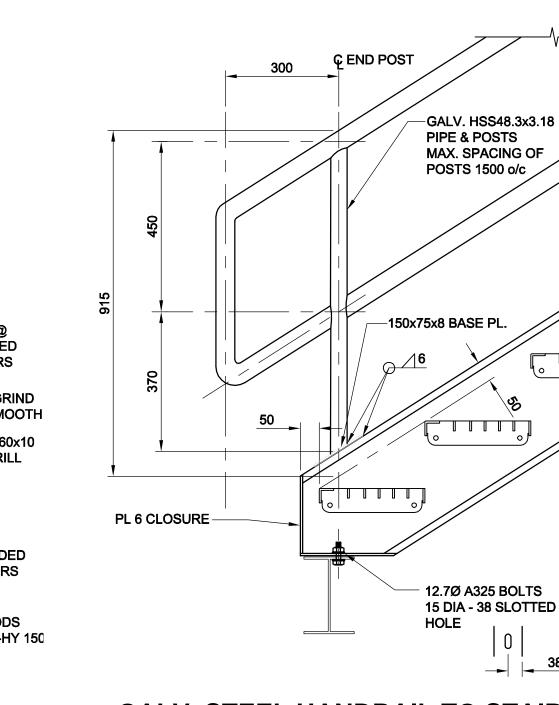


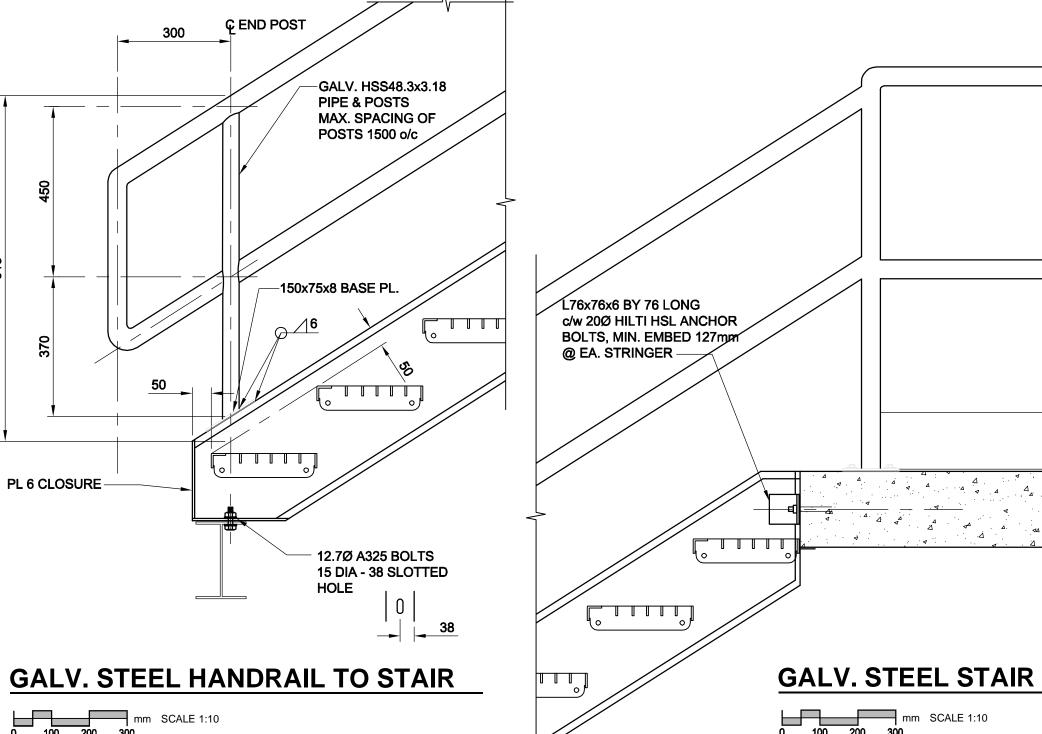






FACE OF WALL





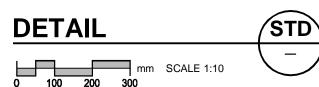


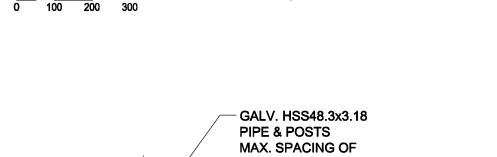
1. NUMBER OF REINFORCING BARS TO BE CUT AT OPENING TO BE KEPT AT A MINIMUM. DEFLECT AS MANY BARS AS POSSIBLE AROUND OPENING.

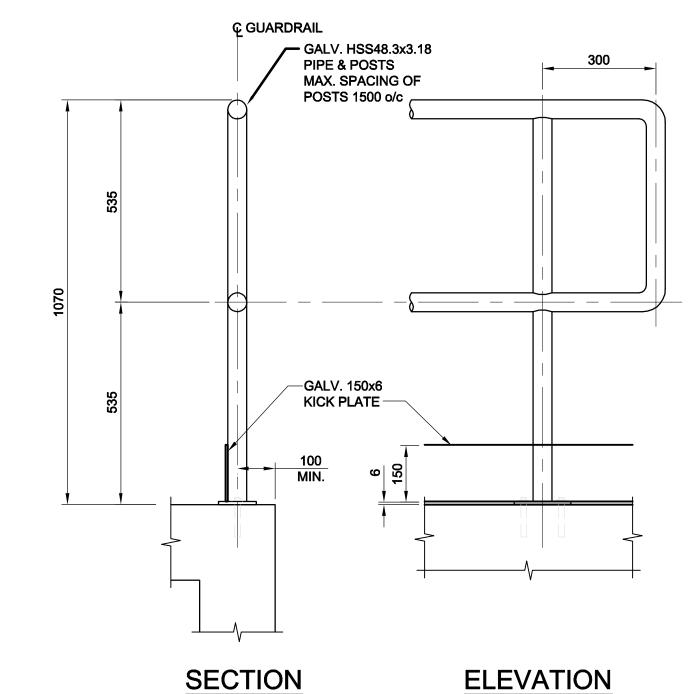
- 2. REINFORCING BARS TO BE KEPT MINIMUM 50 CLEAR OF OPENING.
- 3. CIRCULAR OPENINGS TO BE TREATED IN SAME MANNER AS RECTANGULAR UNLESS OTHERWISE DETAILED.

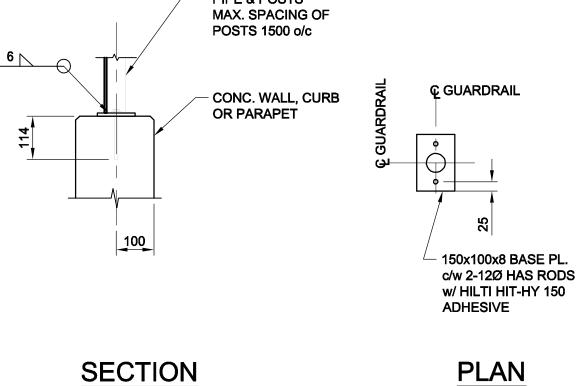
TYPICAL REINFORCING AROUND OPENINGS IN CONCRETE SLAB OR WALL





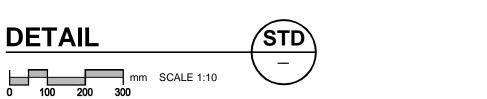




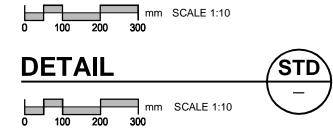


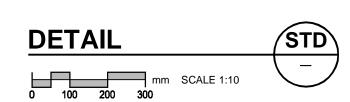
GALV. STEEL GUARDRAIL ANCHORAGE





GALV. STEEL LADDER

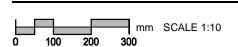




mm SCALE 1:10 0 100 200 300

STD **DETAIL**

GALV. STEEL GUARDRAIL







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	LOCATION APPROVED UNDERGROUND STRUCTURES					AECOM	not be used, repro	duced or relied upon by If and its client, as require	ed by law or for use by I accepts no responsibility,	PROFESSIONAL'S SEAL	_
	SUPR. U/G STRUCTURES DATE COMMITTEE						drawing without Al		consent. ents must be obtained from	ORIGINAL SIGNED BY	W
	NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST					DESIGNED BY	KK/GGP	CHECKED BY	GGP	B.F. ABDUL WAHID	
	INFORMATION AVAILABLE. BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN					DRAWN BY	KK	APPROVED BY	Bryan Weber	2010/02/08	
	LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL					HOR. SCALE A	SHOWN	RELEASED FOR CONSTRUCTION	CONCILITANT DRAWING NO		
١	SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING	0	ISSUED FOR CONSTRUCTION	10/02/08	KK	VERT. SCALE	-		KZ	CONSULTANT DRAWING NO.	
	WITH CONSTRUCTION.	NO.	REVISIONS	YY/MM/DD	BY	DATE	10/02/09	DATE	FEB. 9/10	D265-250-00_01-S-5001_RX.dwg	

THE CITY OF WINNIPEG **WATER AND WASTE DEPARTMENT**

BRANCH I AQUEDUCT VALVE CHAMBER AT McPHILLIPS STREET **PUMPING STATION** STRUCTURAL

STANDARD DETAILS

CITY DRAWING NUMBER D-11932 ₀

BID OPPORTUNITY NO. 16-2010