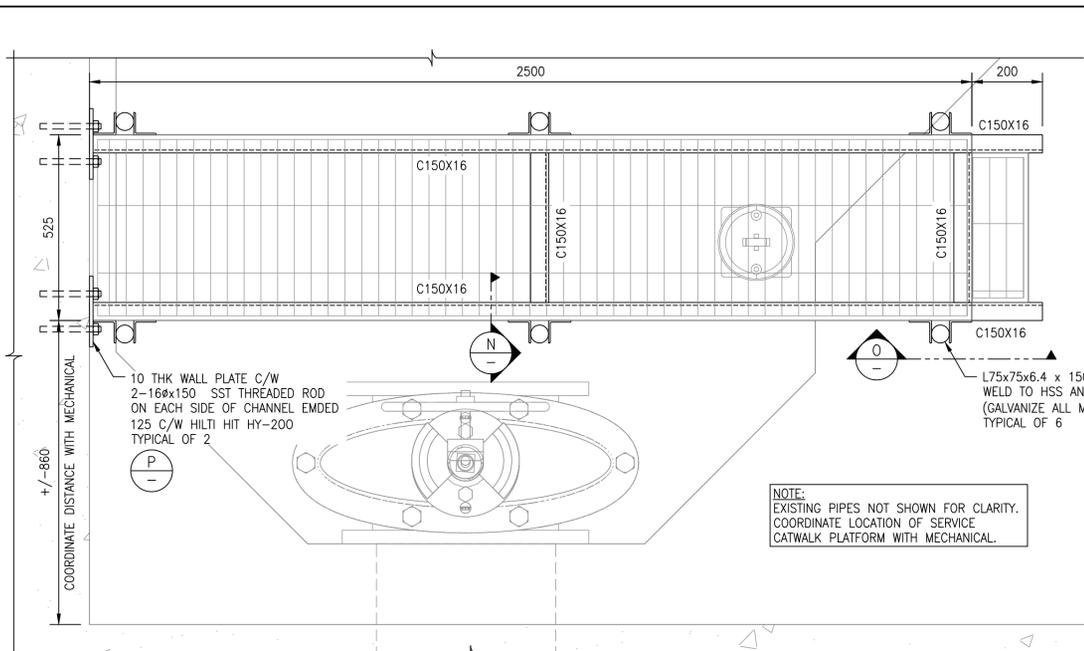
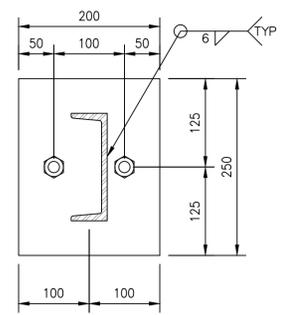


AI SIZE - 594mm x 841mm

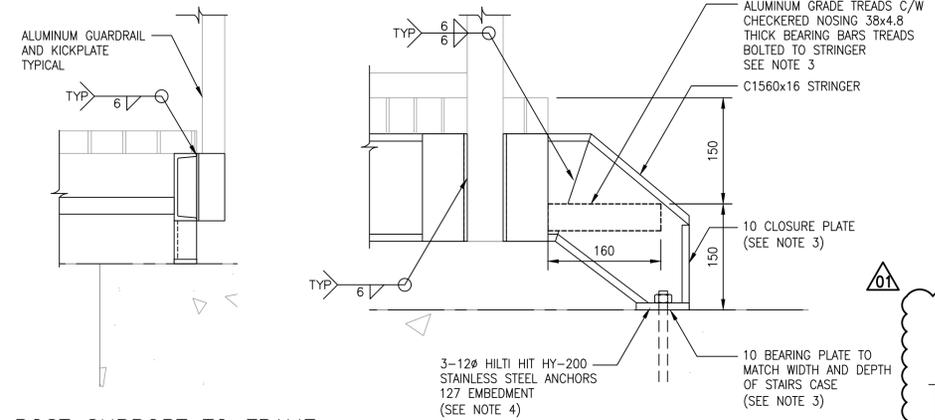


- GENERAL NOTES:**
1. CONTRACTOR TO FIELD CONFIRM ALL DIMENSIONS. NOTE ANY DISCREPANCIES WITH ENGINEER PRIOR TO FABRICATION OR CONSTRUCTION.
  2. CLEAN AND PREPARE SURFACE AS PER MANUFACTURER'S RECOMMENDATION OF MEMBRANE.
  3. ALL INTERIOR MEMBERS TO BE STRUCTURAL ALUMINUM ALLOY 6061-T6.
  4. ALL ADHESIVE ANCHORING SYSTEMS (eg. HILTI HIT HY-200) MUST BE INSTALLED BY PERSONNEL CERTIFIED BY PRODUCT MANUFACTURER.

NOTE:  
EXISTING PIPES NOT SHOWN FOR CLARITY.  
COORDINATE LOCATION OF SERVICE  
CATWALK PLATFORM WITH MECHANICAL.

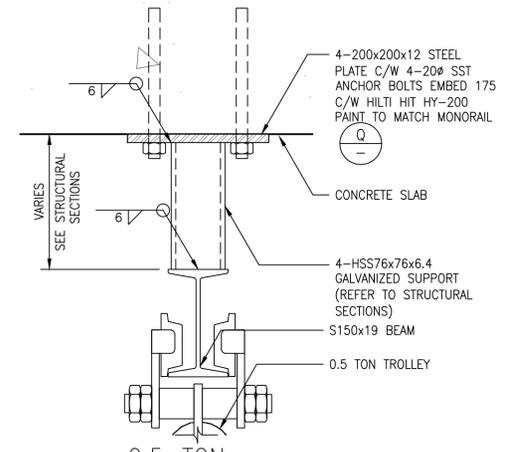


15 REMOVABLE SERVICE CATWALK PLATFORM AT COMMUNOTOR CHAMBER  
REF.1.3 SCALE: 1:10

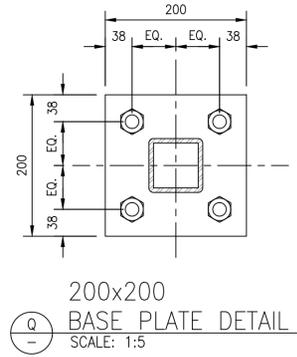


POST SUPPORT TO FRAME CONNECTION DETAIL  
SCALE: 1:10

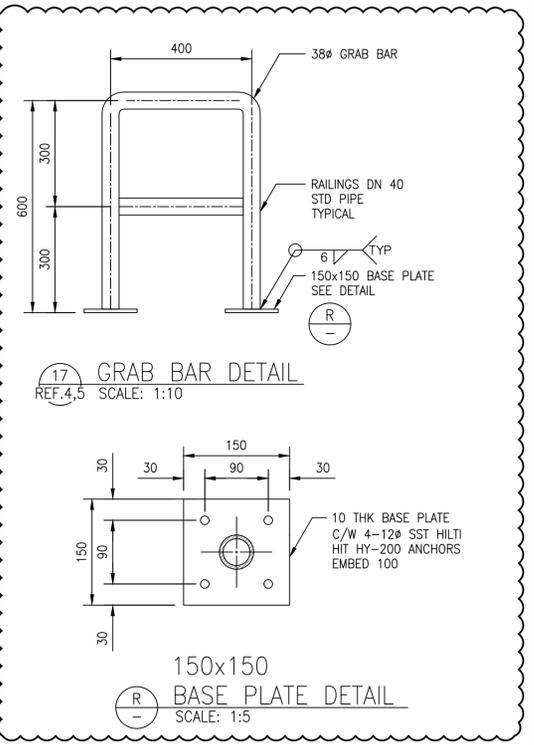
0 BEARING PLATE CONNECTION DETAIL  
SCALE: 1:10



16 0.5-TON MONORAIL DETAIL  
REF.2 SCALE: 1:5

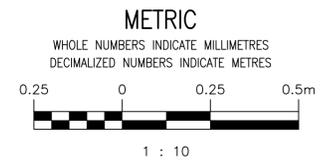


Q 200x200 BASE PLATE DETAIL  
SCALE: 1:5



17 GRAB BAR DETAIL  
REF.4.5 SCALE: 1:10

R 150x150 BASE PLATE DETAIL  
SCALE: 1:5



**ENGINEERS GEOSCIENTISTS MANITOBA**  
Certificate of Authorization  
MPE, a division of Englobe Corp.  
No. 4968 Date: MAR 09, 2026



APPROXIMATELY 0.5m<sup>2</sup> PATCHING REQUIRED UNDER MOTOR ROOM FLOOR SLAB.



APPROXIMATELY 0.5m<sup>2</sup> PATCHING REQUIRED UNDER LOWER LEVEL FLOOR SLAB (CEILING OF COMMUNOTOR ROOM).



**CONCRETE BEAM AND UNDERSIDE OF SLAB REPAIR NOTES:**

1. CLEAN RUST ON REBAR AND LOOSE CONCRETE USING STEEL WIRE BRUSH.
2. APPLY GALVAFROID TO EXPOSED REBAR.
3. APPLY BONDING AGENT SIKATOP ARMATEC-110 EPOCEM OR APPROVED EQUIVALENT.
4. PATCH WITH SIKATOP-123 PLUS OR APPROVED EQUIVALENT.
5. CHISEL BACK CONCRETE TO EXPOSE CUT REBAR ENDS. INSTALL MECHANICAL COUPLERS SIZE TO FIT EXISTING REBARS. CLEAN CONCRETE AND PATCH TO MATCH BEAM.



APPROXIMATELY 1m<sup>2</sup> PATCHING REQUIRED ABOVE WALL OPENING IN LOWER LEVEL ROOM



APPROXIMATELY 1m<sup>2</sup> PATCHING REQUIRED UNDER PUMP ROOM FLOOR SLAB.

LAST SAVE: 2026/03/06 - 3:36pm  
PATH: M:\N-DATA\City of Winnipeg\City of Winnipeg Lift Station Upgrades\AutoDesk\ACAD\1-01913L-S0005-001-00.dwg

NO.	DRAWING NUMBER	REFERENCE DRAWINGS TITLE
9		
8		
7		
6		
5	1-01913L-S0002-001	STRUCTURAL PLANS MAIN FLOOR AND LOWER LEVEL NEW WORK
4	1-0913L-S0005-002	STRUCTURAL DETAILS
3	1-01913L-S0004-002	STRUCTURAL SECTIONS NEW WORK
2	1-01913L-S0004-001	STRUCTURAL SECTIONS NEW WORK
1	1-01913L-S0002-002	STRUCTURAL PLANS MOTOR ROOM, COMMUNOTOR CHAMBER AND PUMP ROOM NEW WORK

NO.	REVISIONS	DATE	DESIGN	CHECK
01	RE-ISSUED FOR CONSTRUCTION, B.O. 1042-2025	2026-03-09	MJB	MJB
00	ISSUED FOR CONSTRUCTION, B.O. 1042-2025	2026-01-09	MJB	MJB

**MPE**  
a division of Englobe

DESIGNED BY: M. BAKER  
DRAWN BY: J. BALVERDE  
SCALE: AS NOTED

CHECKED BY: M. BAKER  
APPROVED BY: M. BAKER  
RELEASED FOR CONSTRUCTION BY: M. BAKER

DATE: 2026-01-09

CONSULTANT NO.: 8400-011-00

ENGINEER'S SEAL

**M.J. BAKER**  
Member  
43540  
REGISTERED PROFESSIONAL ENGINEER

2026-03-09

THE CITY OF WINNIPEG  
WATER AND WASTE DEPARTMENT

TYLEHURST LIFT STATION  
2026 UPGRADES  
STRUCTURAL  
DETAILS

CITY DRAWING NUMBER: 1-0913L-S0005

SHEET: 004 REV: 01 SIZE: A1