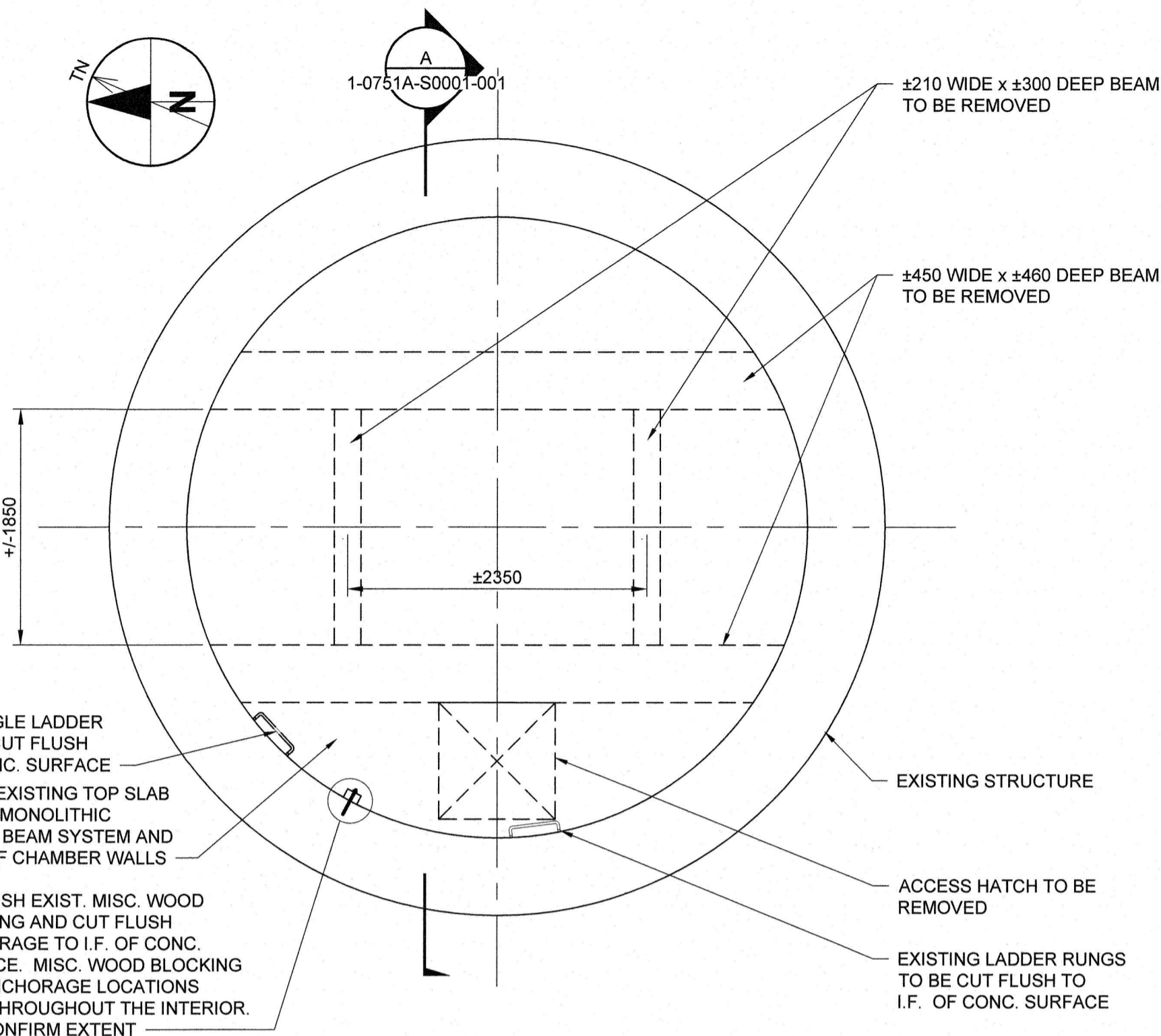


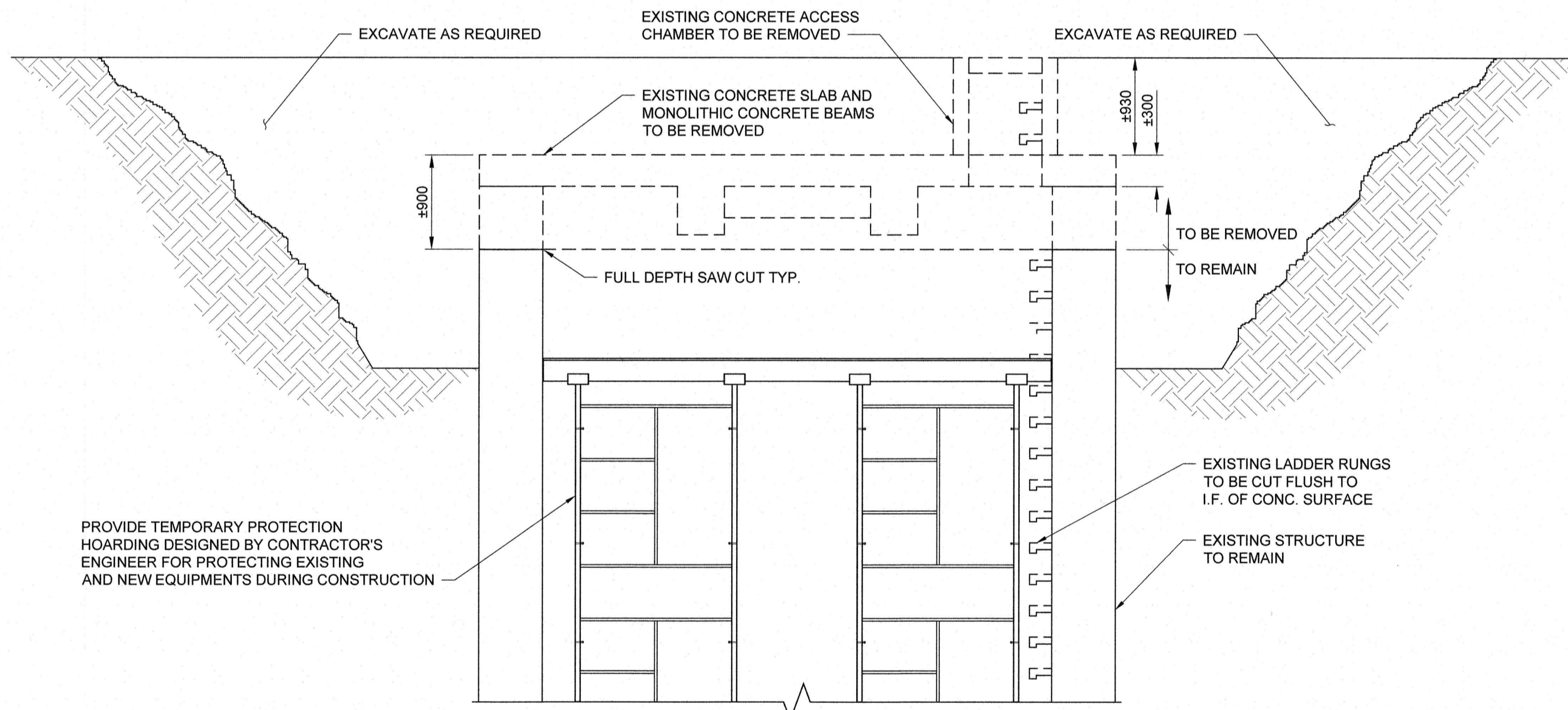
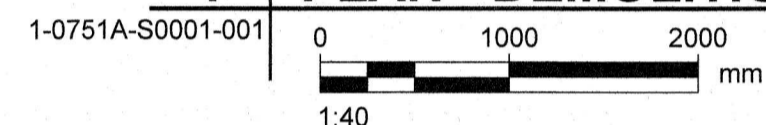
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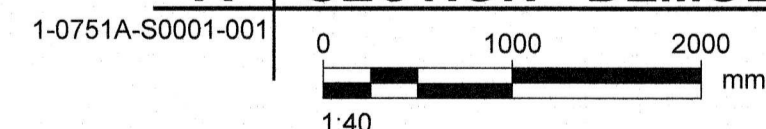
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1 PLAN - DEMOLITION



A SECTION - DEMOLITION



NOTES:

- 1. DO NOT UNDERMINE EXISTING ABOVE AND BELOW GRADE CHAIN LINK FENCE ASSEMBLY.
2. THE EXISTING STRUCTURE DOES NOT REQUIRE SUPPLEMENTARY TEMPORARY LATERAL BRACING ONCE THE EXISTING CONCRETE SLAB AND BEAMS HAVE BEEN REMOVED.
3. CONTRACTOR TO SUBMIT METHODOLOGY STATEMENT AND DRAWINGS TO AECOM FOR ANY TEMPORARY CONSTRUCTION LOADING BEING APPLIED TO THE STRUCTURE...

GENERAL NOTES

- 1. READ THE STRUCTURAL DRAWINGS IN CONJUNCTION WITH ALL OTHER PERTINENT CONTRACT DOCUMENTS.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL SITE VERIFY DIMENSIONS BEFORE BEGINNING CONSTRUCTION...
3. THE DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA 2010 WITH MANITOBA BUILDING CODE AMENDMENTS...
4. REFER TO THE CIVIL DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, SLEEVES AND OTHER BUILDING COMPONENTS NOT SHOWN ON THE STRUCTURAL DRAWINGS...
5. CONTRACTOR TO CONFIRM DIMENSIONS, WEIGHTS AND ALL OTHER CRITICAL DETAILS WITH EQUIPMENT SUPPLIERS PRIOR TO CONSTRUCTION...
6. DRAWINGS SHOW COMPLETED STRUCTURE ONLY. PROVIDE TEMPORARY BRACING FOR CONSTRUCTION LOADING CONDITIONS AND STABILITY OF THE STRUCTURE DURING CONSTRUCTION...
7. VERIFY LOCATION OF ALL UNDERGROUND SERVICES PRIOR TO COMMENCING CONSTRUCTION AND BE RESPONSIBLE FOR DISRUPTIONS.
8. ALL WORK SHALL CONFORM TO ALL APPLICABLE LOCAL BYLAWS AND CODES.
9. ALL REFERENCED CODES SHALL BE THE LATEST EDITIONS.
10. BUILDING CONTROL LINES, REFERENCE LINES, GRID LINES, AND TEMPORARY BENCH MARKS TO BE CLEARLY IDENTIFIED AND MAINTAINED DURING THE ENTIRE CONSTRUCTION.

DESIGN LOADS:

FOLLOWING LOADS ARE SERVICE LOADS FOR THE ROOF SLAB:

- 1. DEAD LOADS: SELF WEIGHT Ss = 1.9 kPa
2. GROUND SNOW LOAD - SR = 0.2 kPa
3. WIND LOAD: q(1.50) 0.45 kPa AS SHOWN
4. LIVE LOAD:

CONCRETE NOTES

- 1. PROVIDE CONCRETE AND PERFORM WORK TO CAN/CSA A23.1. THE CONTRACTOR SHALL HAVE A COPY OF THIS STANDARD ON SITE AT ALL TIMES.
2. CONCRETE TESTING WILL BE COMPLETED BY AECOM IN ACCORDANCE WITH CAN/CSA A23.2. PROVIDE AECOM WITH SUFFICIENT CONCRETE MATERIALS TO COMPLETE THE TESTING.
3. CONCRETE REQUIREMENTS: REFER TO SPECIFICATIONS.
4. HEATING AND HOARDING, WHEN REQUIRED, SHALL BE PROVIDED AT CONTRACTOR'S COST.

CONCRETE REINFORCEMENT

- 1. DEFORMED BARS CONFORMING TO CAN/CSA-G30-18 GRADE 400.
2. REINFORCING WORK SHALL BE IN ACCORDANCE WITH CAN/CSA A23.1 AND CAN/CSA A23.3.
3. REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE LATEST EDITION OF THE RSIC 'REINFORCING STEEL MANUAL OF STANDARD PRACTICE'.
4. DOWELS AND ANCHOR BOLTS SHALL BE SECURED IN POSITION BY MEANS OF TEMPLATES BEFORE CONCRETE IS CAST.

METAL FABRICATIONS:

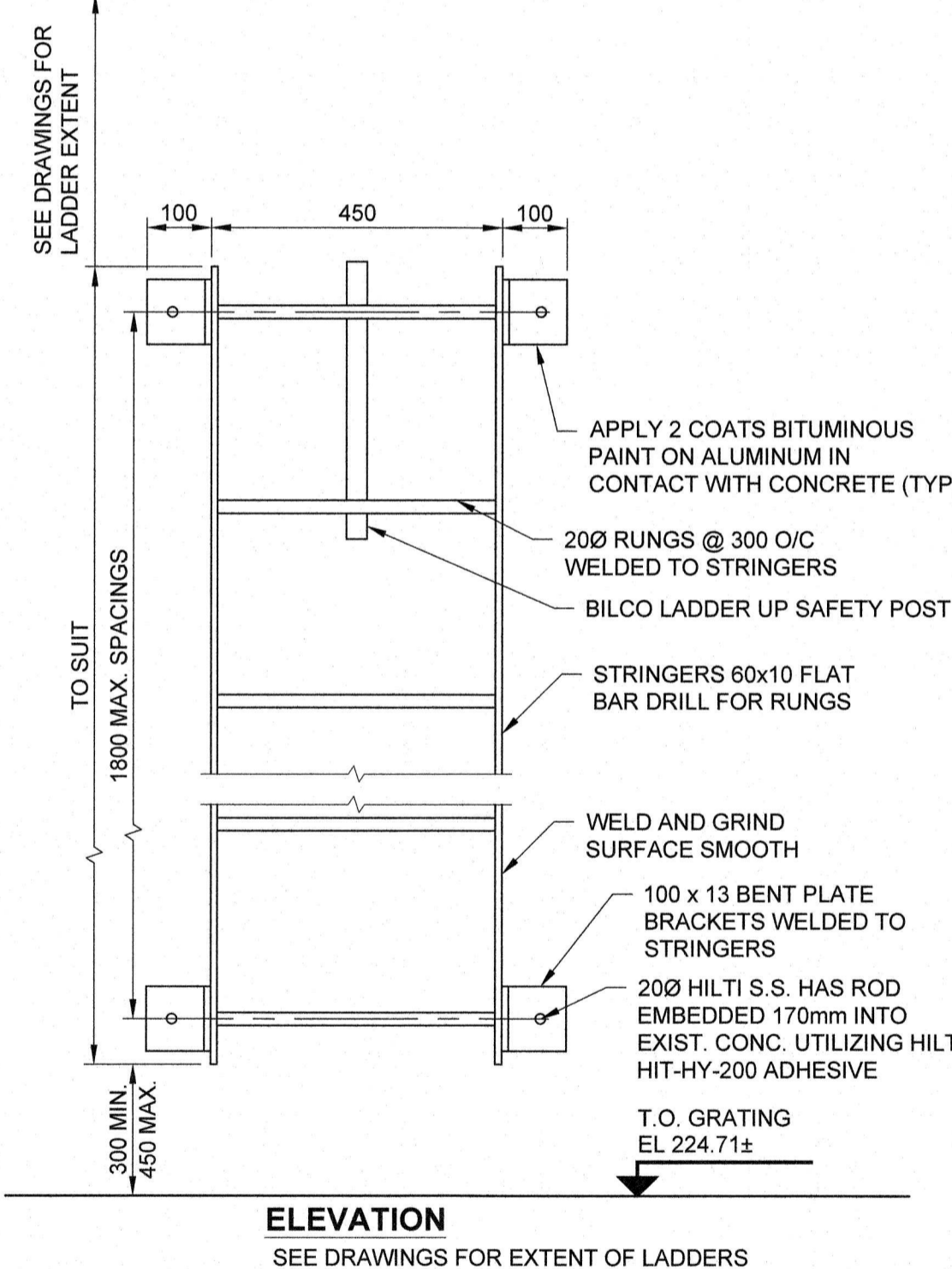
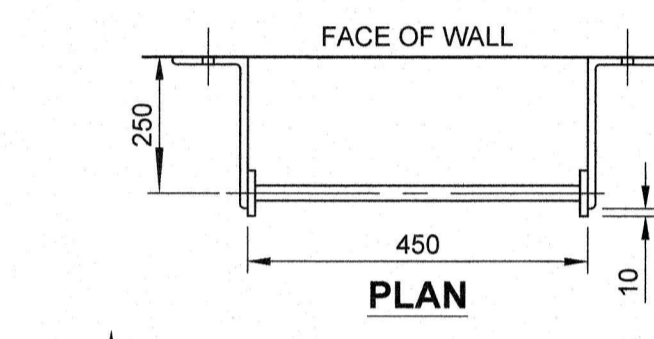
- 1. DESIGN, FABRICATION AND INSTALLATION IN ACCORDANCE WITH NBC 2010 AND THE MANITOBA AMENDMENTS.
2. PERFORM WELDING OF METAL FABRICATIONS IN ACCORDANCE WITH REQUIREMENTS CSA W59.
3. WIDE FLANGE, PLATES AND MISCELLANEOUS STAINLESS STEEL: CONFORMING TO ASTM A276 AND A479; TYPE A 304 WITH MINIMUM YIELD STRENGTH OF 210 MPa
4. BOLTS AND ANCHOR BOLTS: STAINLESS STEEL.

ALUMINUM FABRICATIONS:

- 1. DESIGN, FABRICATION AND INSTALLATION IN ACCORDANCE WITH CSA S157.
2. PERFORM WELDING OF ALUMINUM IN ACCORDANCE WITH REQUIREMENTS OF CSA W59.2.
3. GRATING: STYLE 30 (METRIC) AS MANUFACTURED BY FISHER & LUDLOW
4. ALUMINUM TO CSA S-3157, 6061-T6 OR 6063-T6 ALUMINUM ALLOY.
5. BOLTS AND ANCHOR BOLTS: STAINLESS STEEL.
6. ISOLATE ALUMINUM FROM FOLLOWING COMPONENTS, BY MEANS OF BITUMINOUS PAINT:
6.1. DISSIMILAR METALS EXCEPT STAINLESS STEEL, GALVANIZED STEEL, ZINC, OR WHITE BRONZE OF SMALL AREA.
6.2. CONCRETE, MORTAR AND MASONRY.

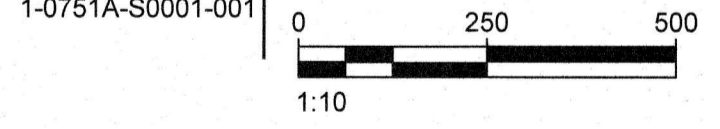
STANDARD ABBREVIATIONS:

Table with 4 columns: Additional, Add'l, Material, Matl. listing abbreviations for various construction terms like ANCHOR BOLT, ALUMINUM, ARCHITECTURAL, etc.



ELEVATION SEE DRAWINGS FOR EXTENT OF LADDERS

2 NEW ALUMINUM LADDER



LOCATION APPROVED UNDERGROUND STRUCTURES

Table for location approval with columns for date, name, and notes regarding underground utilities.



Table for design and check details including names (ARA, GGP, DRL) and dates (16/10/14, 16/10/13, 2016/10/13).

PROFESSIONAL'S SEAL REV 0 ISSUED FOR CONSTRUCTION WAS SEALED BY H.M. HOQUE AND DATED 2016/10/13

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT BRANCH I AQUEDUCT EAST TUNNEL SHAFT UPGRADES

Table for drawing information including sheet number (5 of 8), drawing number (1-0751A-S0001-001), and revision details.

BID OPPORTUNITY NO. 805-2016