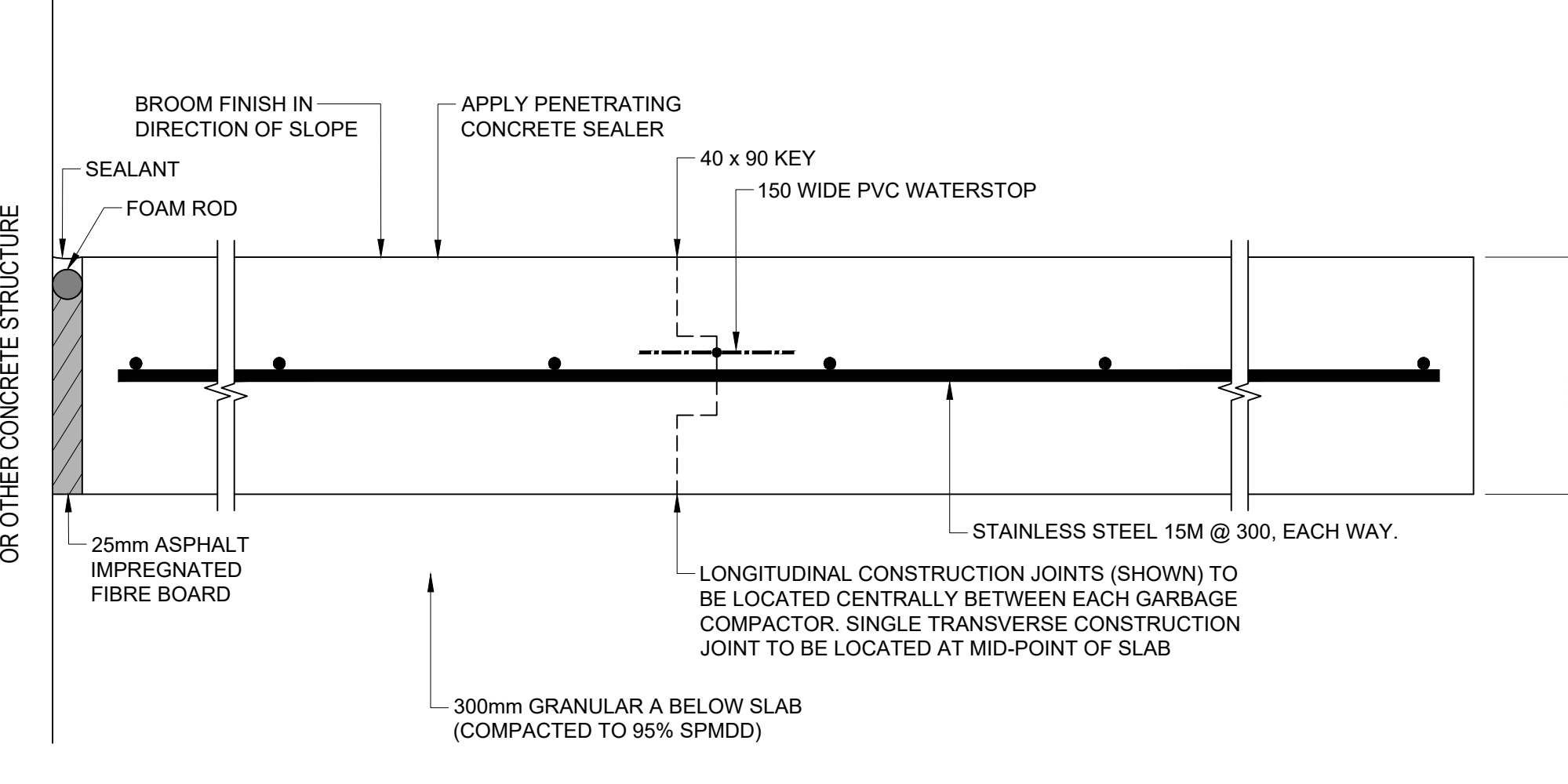
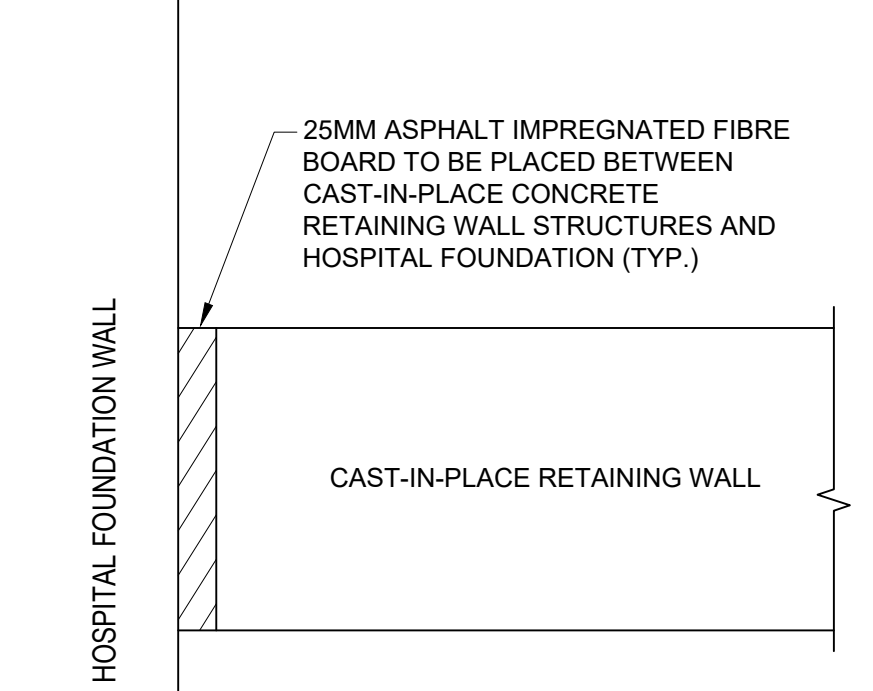


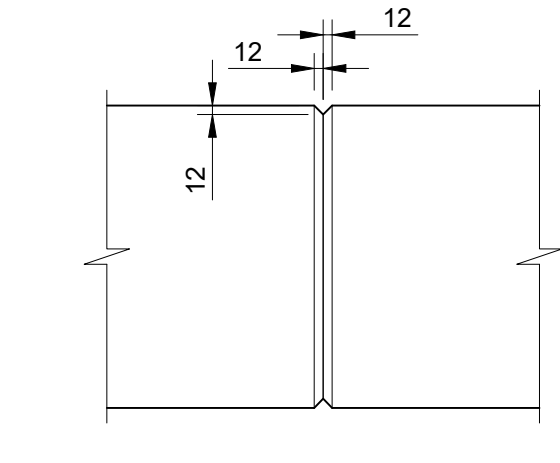
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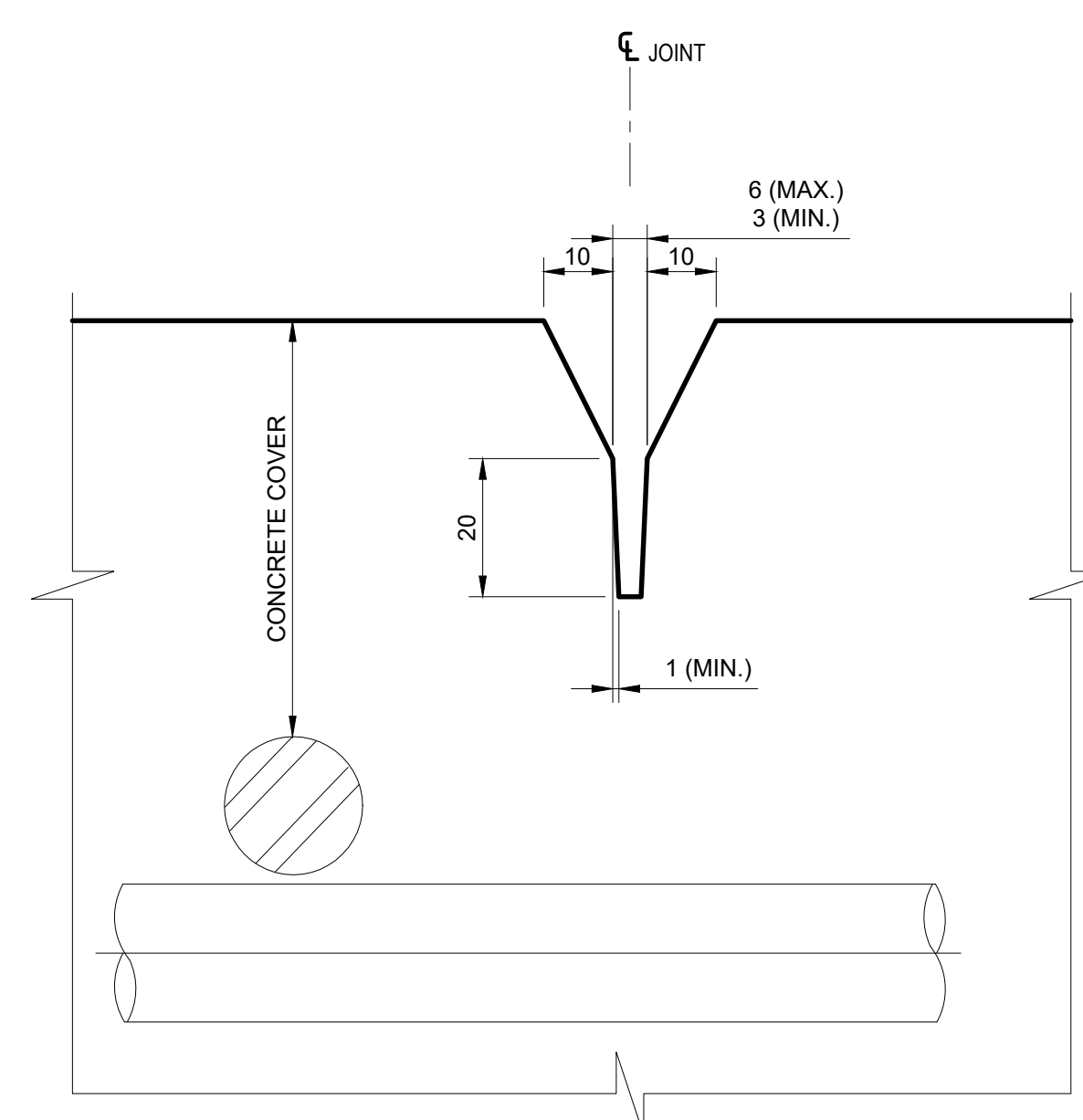
GARBAGE COMPACTOR SLAB DETAIL



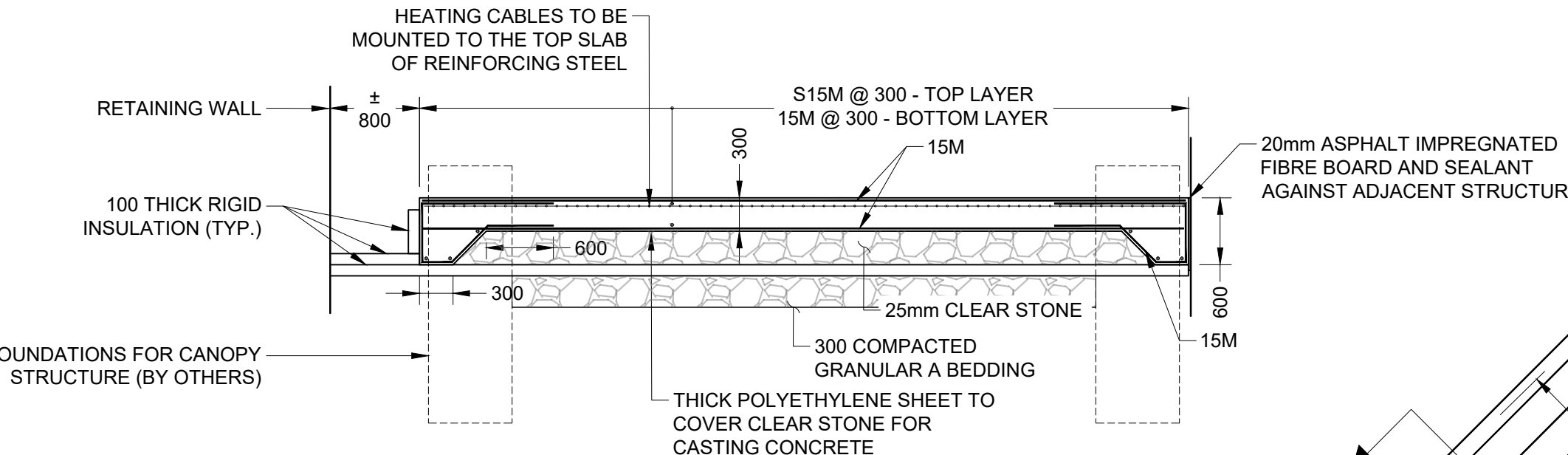
TYPICAL DETAIL - CAST-IN-PLACE RETAINING WALL CONNECTION TO HOSPITAL STRUCTURE



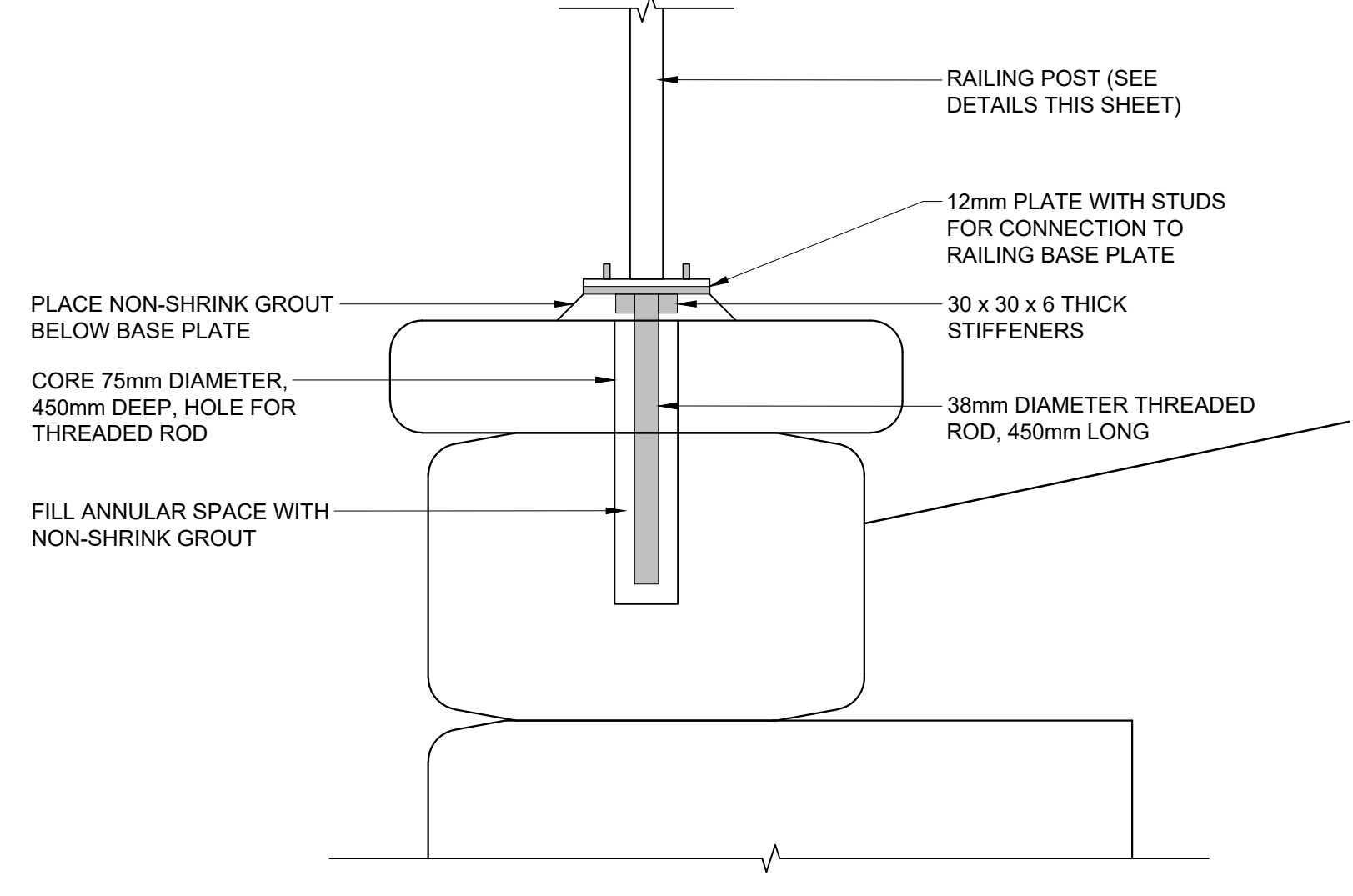
TYPICAL OPTIONAL CONSTRUCTION JOINT



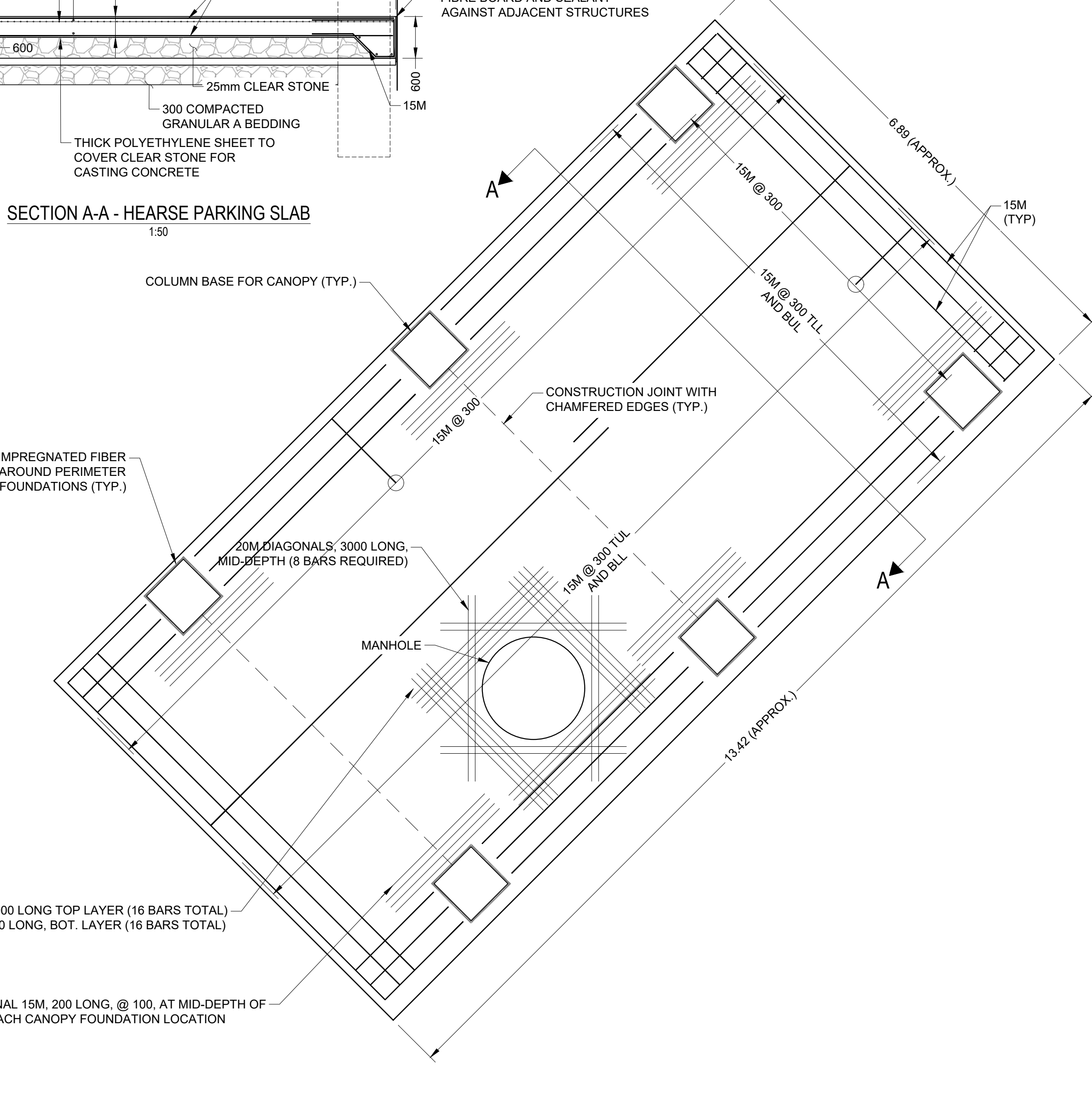
JOINT CONTROL DETAIL



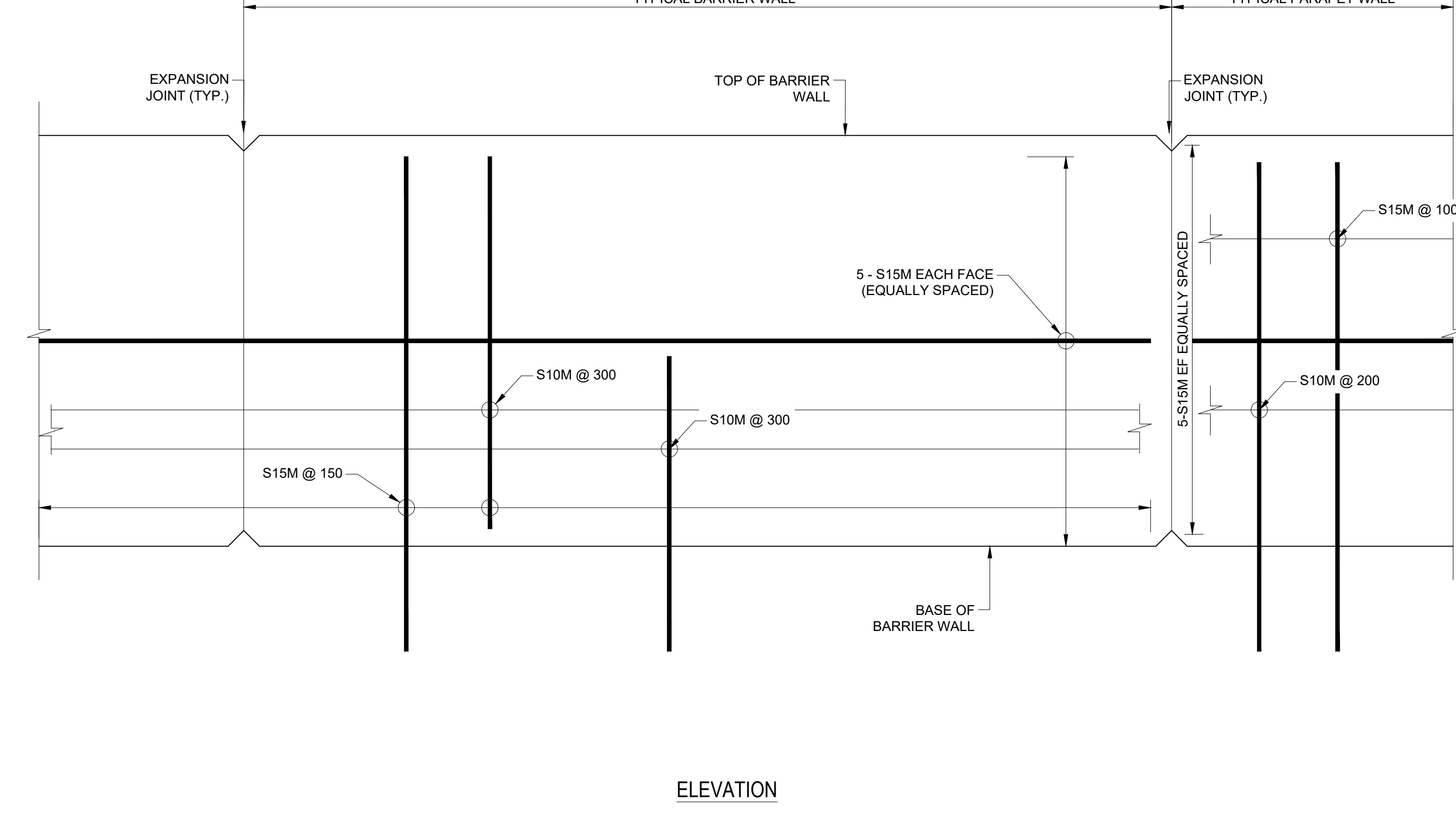
SECTION A-A - HEARSE PARKING SLAB



RAIL CONNECTION DETAIL - PRE-CAST BLOCK WALLS

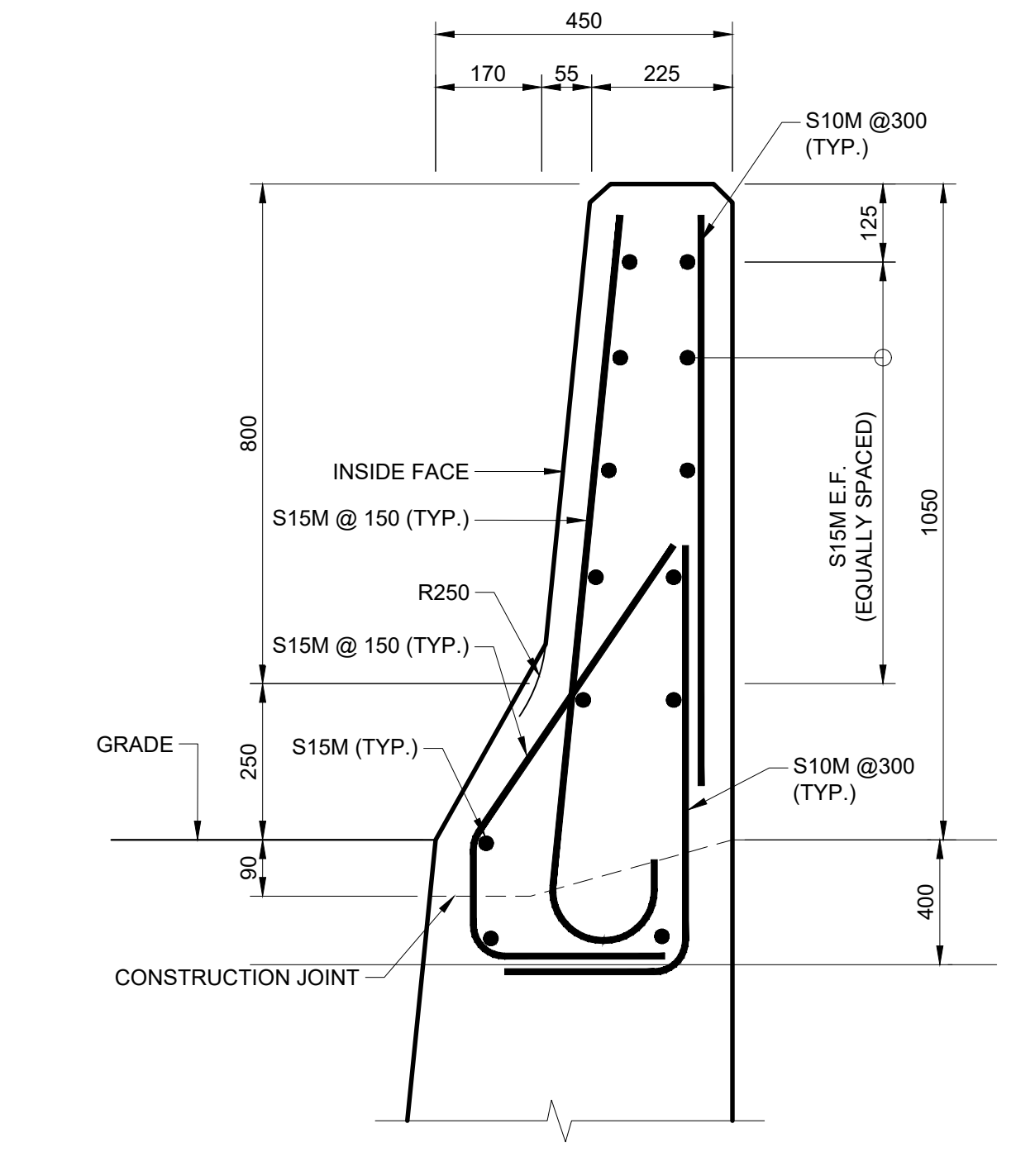


PLAN - HEARSE PARKING SLAB

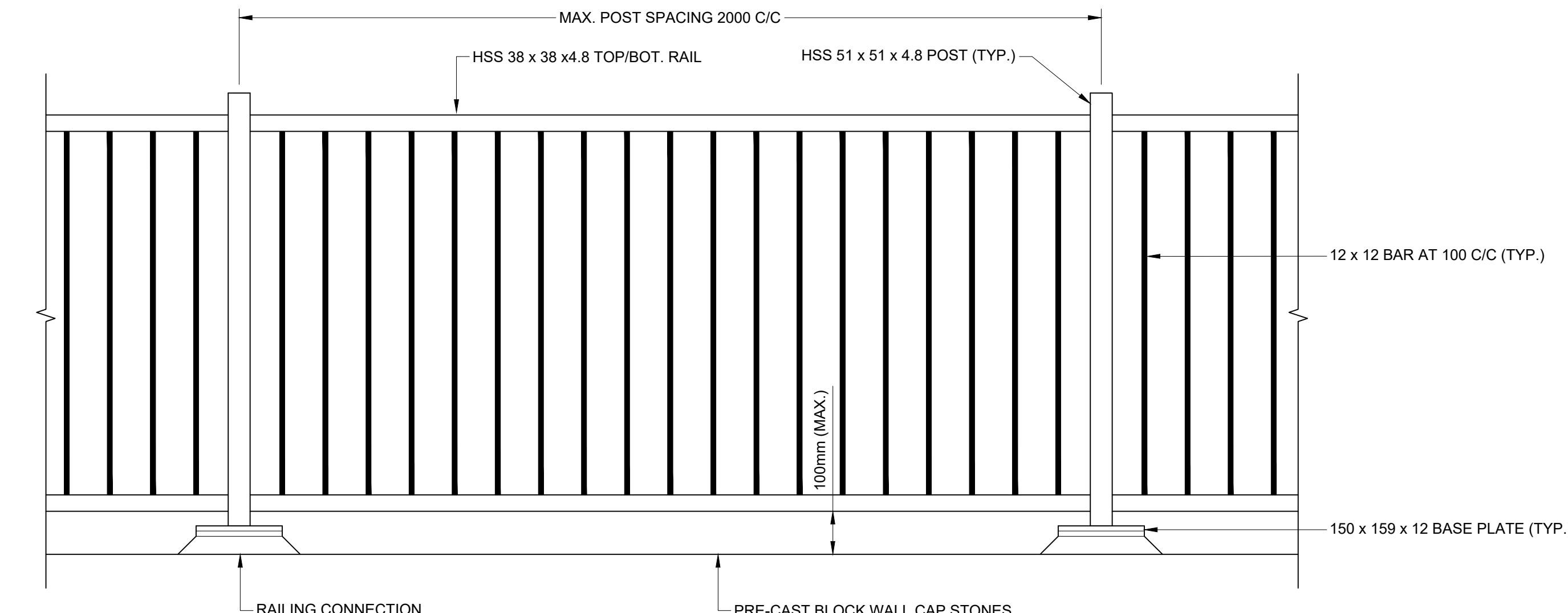


ELEVATION

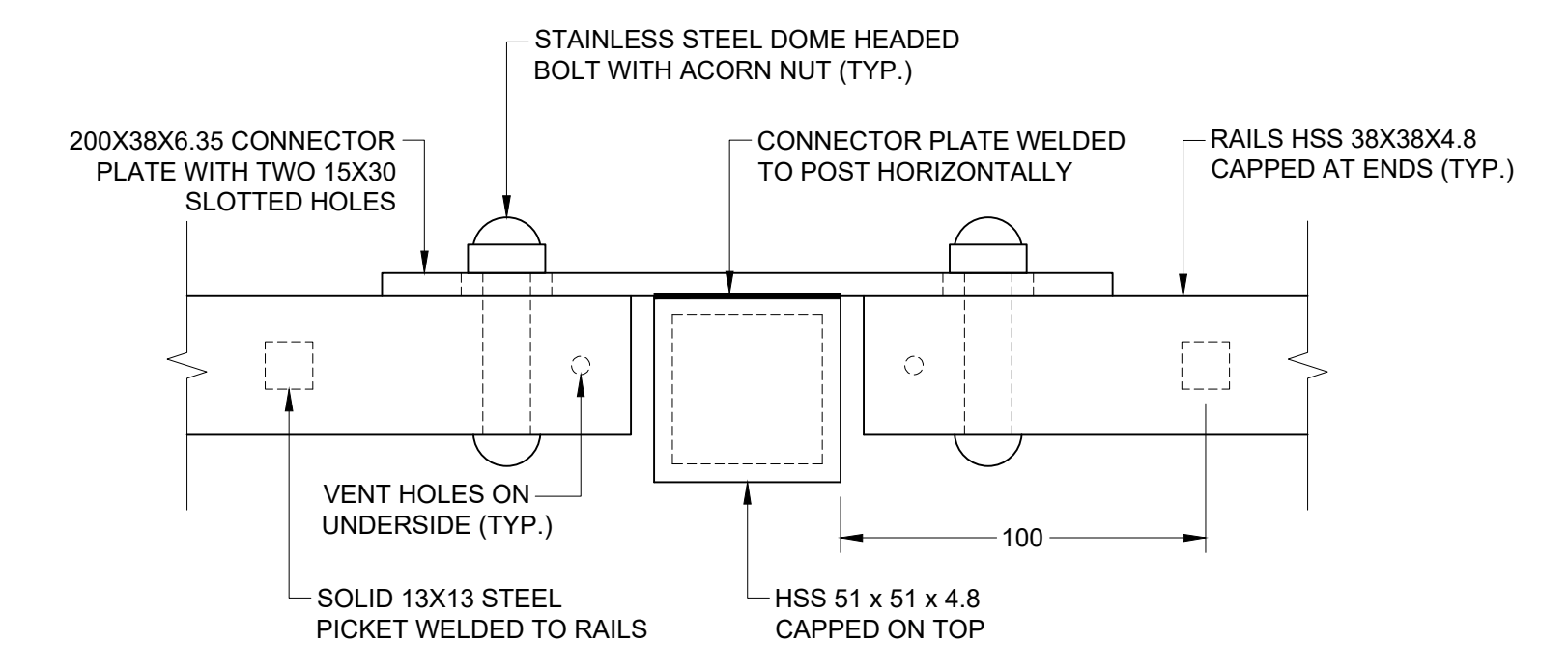
TYPICAL BARRIER WALL REINFORCEMENT DETAILS



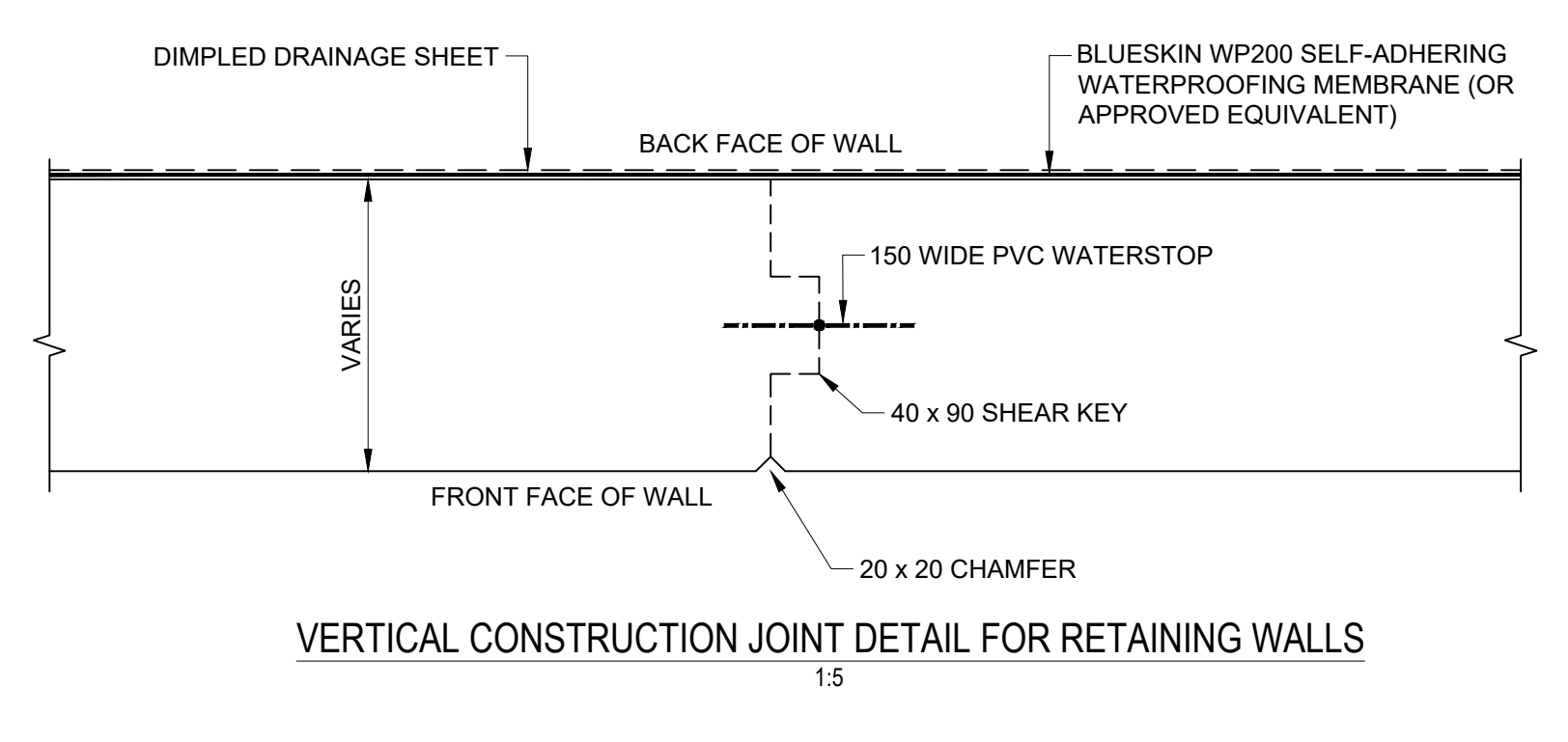
BARRIER WALL DETAILS



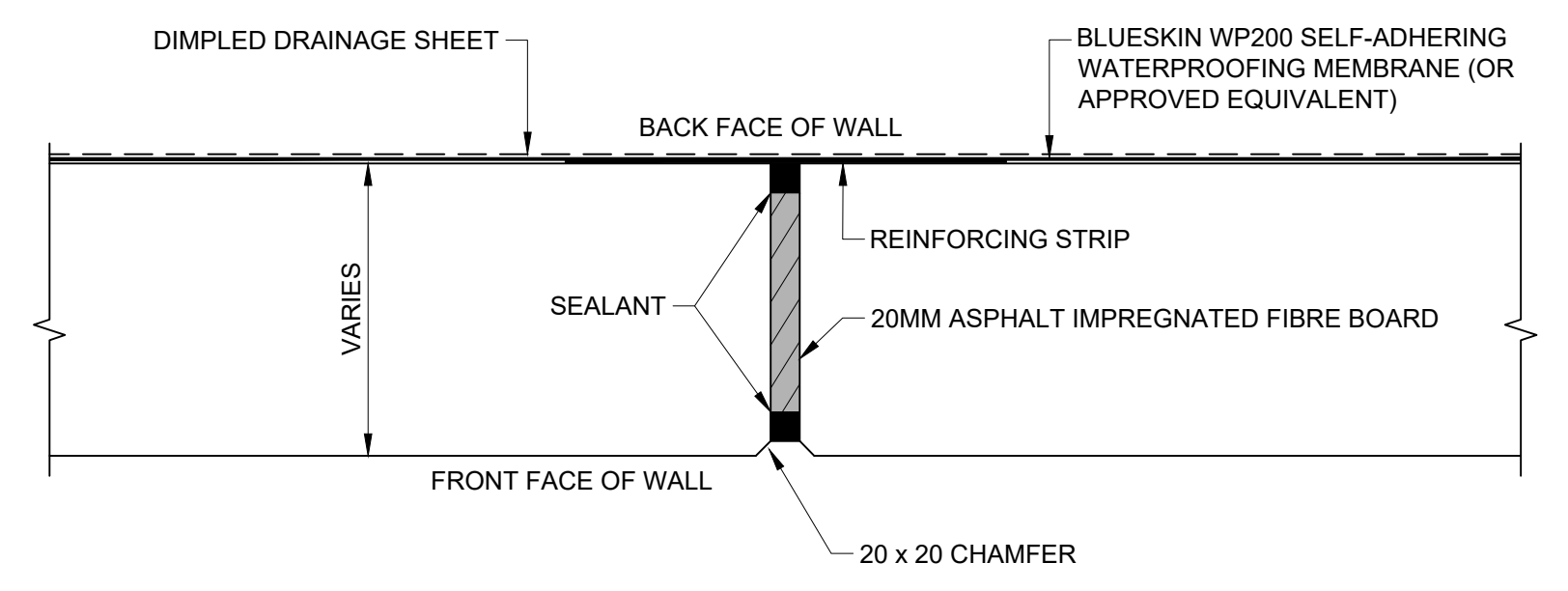
RAILINGS DETAILS - PRE-CAST BLOCK WALLS



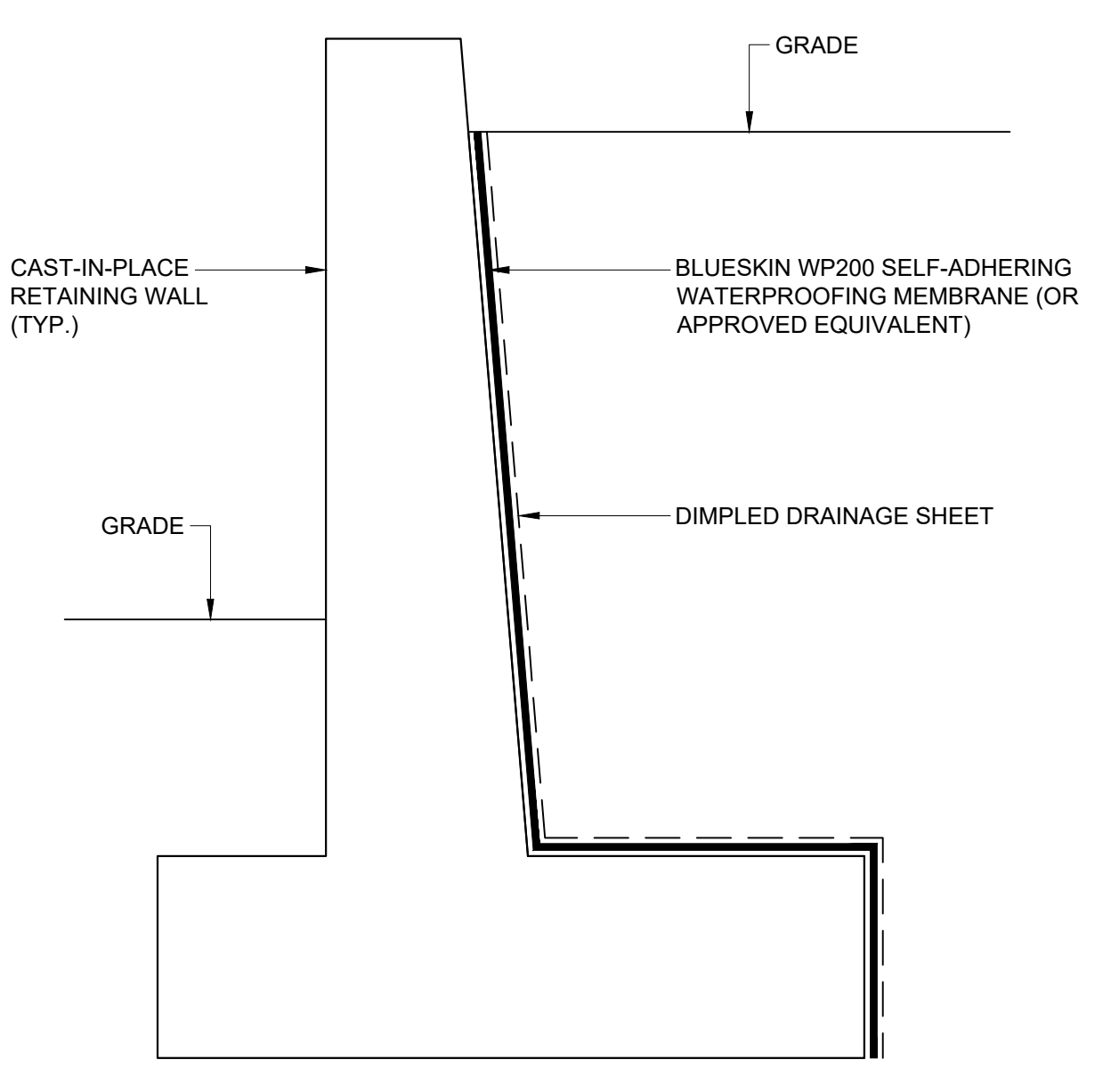
RAILINGS DETAILS - PRE-CAST BLOCK WALLS



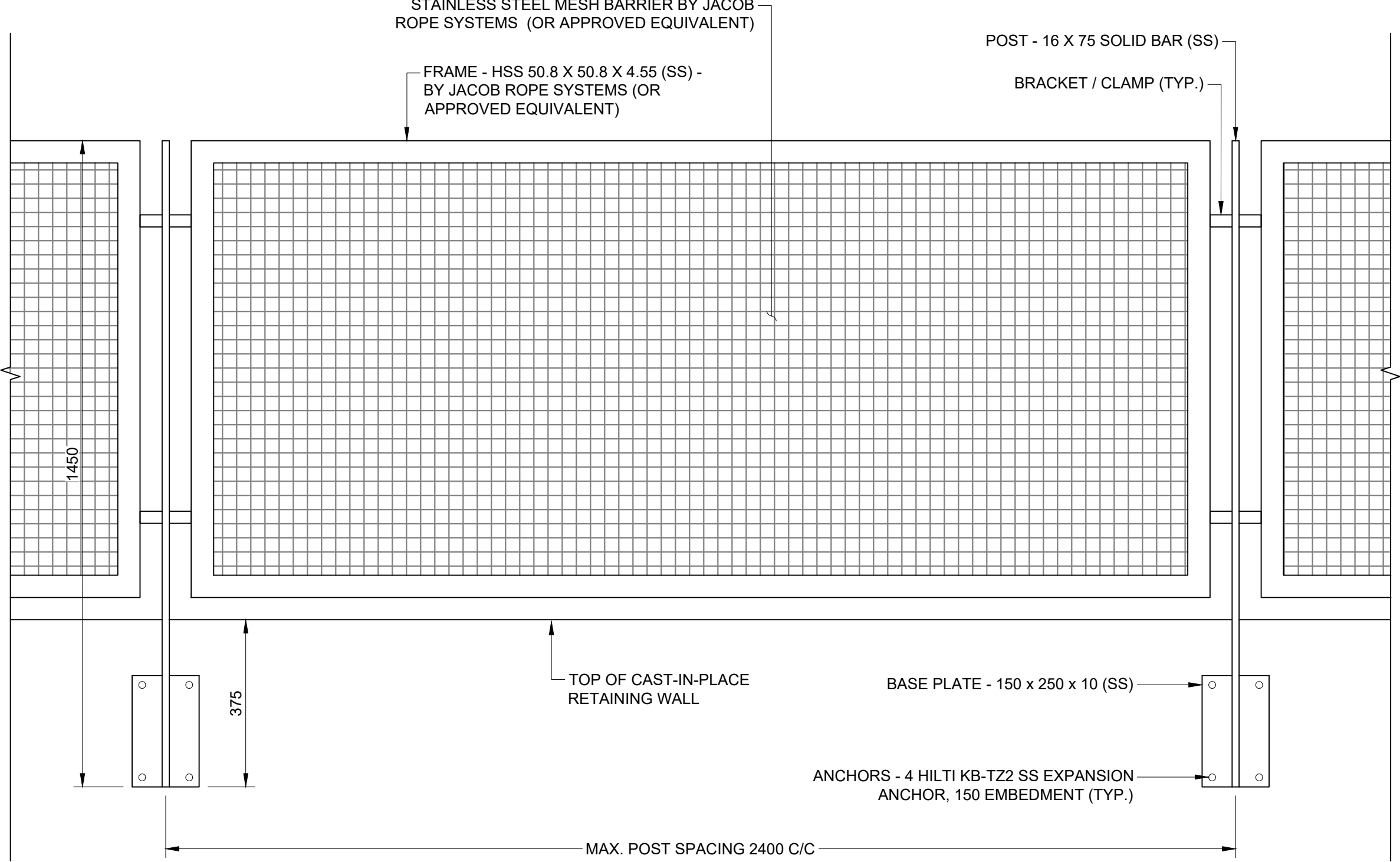
VERTICAL CONSTRUCTION JOINT DETAIL FOR RETAINING WALLS



VERTICAL EXPANSION JOINT DETAIL FOR RETAINING WALLS



TYPICAL WATERPROOFING FOR CAST-IN-PLACE CONCRETE RETAINING WALLS



RAILINGS DETAILS - CAST-IN-PLACE CONCRETE WALLS

NOTE: 1.45m HIGH INSTALLATION ON ENTRANCE WALLS SHOWN BELOW. SHORTER 1.05m INSTALLATION FOR RETAINING WALLS 12 AND 13 HAVE SIMILAR DESIGN WITH 4-POSTER POSTS AND FRAMES.

HEARSE SLAB NOTES: SEE MECHANICAL DRAWINGS FOR SLAB HEATING ELEMENT DETAILS. CONCRETE TO CLASS C EXPOSURE. 38MPa @ 28 DAYS. SEE STRUCTURAL BUILDING DRAWINGS FOR CANOPY STRUCTURE DETAILS. INSULATION TO BE EXTRUDED EXPANDED POLYSTYRENE GRADE A. GRADE C TO BE USED BELOW THE CONCRETE SLAB. CHAMFER ALL CONCRETE EDGES 30MM. MANHOLE STRUCTURE WILL BE INSTALLED BEFORE CONCRETE SLAB STRUCTURE. CUT PRINCIPLE LONGITUDINAL AND TRANSVERSE REINFORCEMENT 100MM AWAY FROM MANHOLE STRUCTURE AND INSTALL ADDITIONAL REINFORCING STEEL AROUND MANHOLE.

GENERAL RAILING NOTES: DESIGN LOAD: INTERIOR BUILDING CODE (IBC) 2004 AND NATIONAL BUILDING CODE (NBC) 2000. THE SIZES OF MEMBERS TO BE AS SPECIFIED. ANY REDUCTION IN MEMBER SIZES WILL NOT BE PERMITTED, REGARDLESS OF WHETHER A REDUCTION IN MEMBER SIZE IS ACCOMPANIED BY ENGINEERED SUBMISSION. PROVISIONARY DESIGN OF RAILINGS WILL BE CONSIDERED, PROVIDED THAT THE MEMBER SIZES DESIGNATED IN CONTRACT ARE MAINTAINED OR IMPROVED. ALL WELDING WORK SHALL BE CARRIED OUT BY QUALIFIED WELDERS.

PRE-CAST BLOCK WALL RAILING NOTES: THE RAILING SUPPLIER WILL SET THE SPACING BETWEEN POSTS, WHICH MUST BE SHOWN ON SHOP DRAWINGS AND DETERMINED BY THE SECURITY OF THE PRECAST BLOCK WALLS. ENGINEERING POSTS OR ADAPTERS ARE POSITIONED AWAY FROM JOINTS BETWEEN PRECAST CONCRETE BLOCKS. THE RAILING DETAILERS ARE TO COORDINATE POST SPACING SELECTION WITH THE RETAINING WALL DESIGNER. ALL GRADE 300M STEEL, AS WELL AS ALL RAILING COMPONENTS AND ADAPTERS, SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH THE LATEST EDITION OF ASTM A123 FOLLOWING FABRICATION. ALL HSS MEMBERS TO BE CAPPED AND VENTED. USE STAINLESS STEEL BOLTS TO CONNECT POSTS TO RAIL ADAPTERS. USE SENSITIVE NON-SHRINK GROUT FROM THE METCO SM LIST OF APPROVED GROUTS FOR BEARINGS TO SECURE THE ADAPTERS IN POSITION. INSTALL ADAPTERS AND RAILING PLUM, LEVEL AND BRACE. RECEIVE CONTRACT ADMINISTRATOR APPROVAL BEFORE GROUTING. KEEP BRACING IN PLACE FOR 48 HOURS AFTER GROUT SETS, THEN REMOVE SUPPORTS CAREFULLY. APPLY DRY PACK, NON-SHRINK GROUT MATERIAL SUITABLE FOR HAND APPLICATION BENEATH THE ADAPTER PLATES. PROVIDE A SAMPLE WITH TWO ADAPTERS AND ONE RAILING PANEL INSTALLED DRY IN A SETUP SIMILAR TO THE DESIGN. RETAINING WALL #14 AT THE LOADING DOCK IS CAST-IN-PLACE WALL TO HAVE THE SAME RAILING AS OTHER PRE-CAST BLOCK WALLS. THE RAILING WILL BE MOUNTED ON TOP WITH FOUR HSS 16 X 127 SS STAINLESS STEEL ANCHORS, EMBEDDED 100MM.

COATING NOTES FOR PRE-CAST BLOCK WALL RAILING: RAILING SECTIONS SHALL BE HOT-DIP GALVANIZED AND COATED IMMEDIATELY FOLLOWING FABRICATION. THE RAILING SUPPLIER TO PROVIDE ALL REQUIRED COMPONENTS FOR SPLICING OF RAILING IN FIELD. THE GALVANIZING TO COMPLY WITH ASTM A123. THE ABRASIVE BLAST MEDIA FOR SWEEP-BLASTING OF GALVANIZED SURFACE SHALL BE OF HARSHNESS THAT THE GALVANIZING IS NOT DAMAGED AND THICKNESS OF GALVANIZING IS NOT REDUCED. ABRASIVE BLAST CLEAN GALVANIZED SURFACE AND PREPARE AND REPAIR GALVANIZED SURFACE FOR COATING AS PER ASTM D698. A COMPLETE WRITTEN PROCEDURE DETAILED GALVANIZING PREPARATION FOR COATING AND COATING APPLICATION SHALL BE SUBMITTED FOR ACCEPTANCE. THE COATING OVER GALVANIZING SHALL BE: TYPICAL BLACK 80M-BLASS. THE PRODUCTS LISTED ON ISM #20.80 ARE PRE-APPROVED. ALTERNATIVE PRODUCTS ARE SUBJECT TO APPROVAL. MODIFIED ALUMINUM EPOXY MASTIC FOLLOWED BY ALIPHATIC POLYURETHANE AND CLEAR SEALER. HIGH BUILD EPDM FOLLOWED BY ALIPHATIC POLYURETHANE. THICKNESS OF EACH COAT AS PER MTO DSM #20.80. THICKNESS OF SEALER AS REQUIRED TO OBTAIN 100% COVERAGE AND AS PER COATING MATERIAL SUPPLIER RECOMMENDATION. THE EXPOSED SECTIONS OF ANCHOR BOLTS TO BE HAND COATED FOLLOWING RAILING INSTALLATION.

STAINLESS STEEL RAILING NOTES: STAINLESS STEEL GRADE SHALL BE EITHER 304 OR 316. RAILING APPEARANCE VALUE OF 'HIGH' - NO VISIBLE BLEMISHES OR IMPERFECTIONS. STAINLESS STEEL TO HAVE A BRUSHED FINISH. A COMPLETE CHECK-UP OF RAILING INSTALLATION IS REQUIRED. MOCK-UP ELEMENTS, ONCE APPROVED, MAY BE INCORPORATED INTO THE WORK. ALL ANCHORS FOR RAILINGS TO BE STAINLESS STEEL.

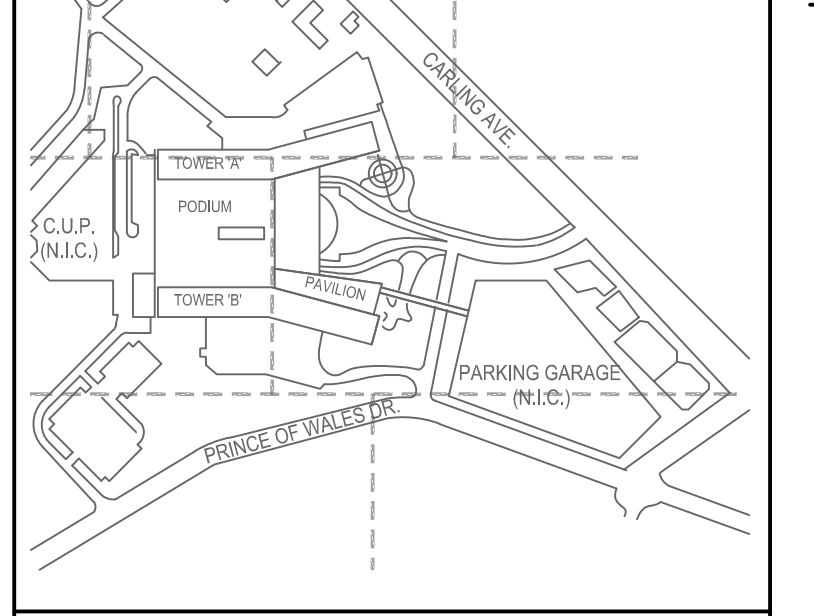


Table with 2 columns: REVISIONS, DATE. Contains revision history for site plan control, design build, and foundation permit submissions.

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ALL DIMENSIONS ARE SHOWN IN METRIC.

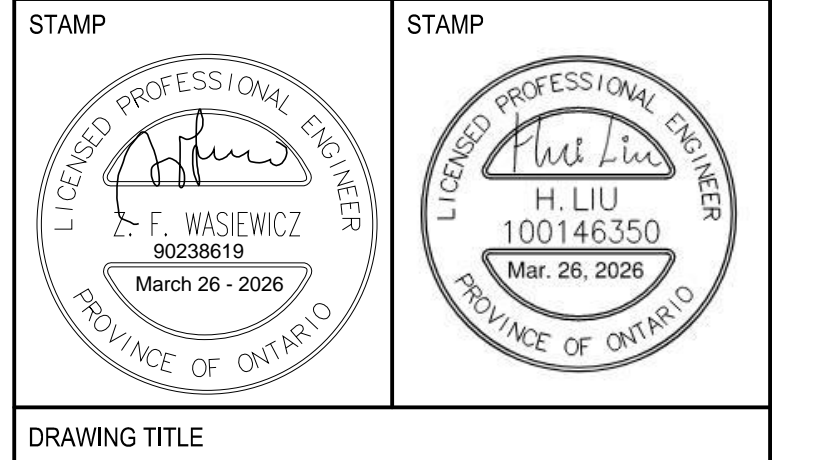
WSP logo

PROJECT TEAM: DESIGN-BUILDER: POLVED A JOINT VENTURE. ARCHITECTURAL: PARSON ARCHITECTS LIMITED, JACOB LAMARCA PRATTE ARCHITECTS, ADAMSON ASSOCIATES ARCHITECTS.

STRUCTURAL: 888 ARCHITECTS OTTAWA INC. MECHANICAL: H1 ANGLUS & ASSOCIATES LTD., SALAS O'BRIEN CANADA INC.

ELECTRICAL: MELVEY & BARNAN INTERNATIONAL INC. CIVIL: WSP CANADA INC. LANDSCAPE: HERSCOVIC DESIGN INC., PWP LANDSCAPE ARCHITECTURE.

BUILDING CODE: UMDG BUILDING CODE CONSULTANTS LTD. AUTHOR PROJECT NO. CA0027758.0-51



DRAWING TITLE: DETAILS CAST-IN-PLACE WALLS

DRAWN: K. MARTIN, CHECKED: M. THOME. SCALE: AS SHOWN. DATE: 2024-02-26.

GRAVING SCALE: 1:250. DRAWING NO. C7-408. REV. NO. 07.

File Number: D07-12-26-0008 (Revision) D07-12-23-0168 (Original) Plan Number: 19424

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