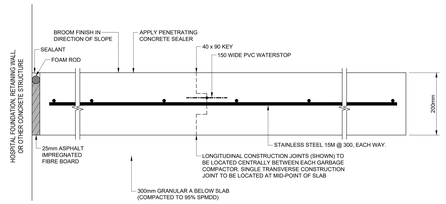
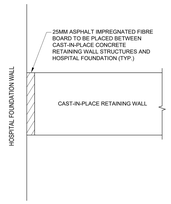
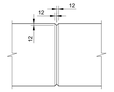
1016 (48") x 1651 (65") CUSTOM SHEET SIZE



GARBAGE COMPACTOR SLAB DETAIL
1:5



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



TYPICAL OPTIONAL CONSTRUCTION JOINT
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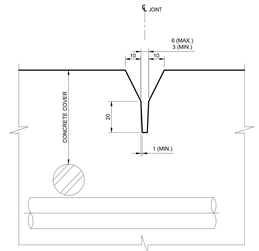
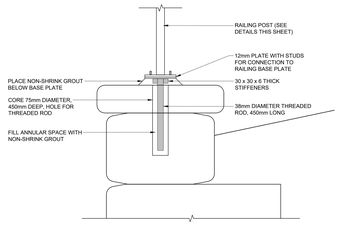
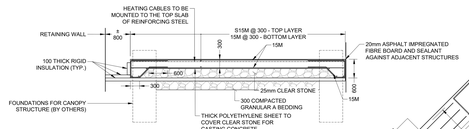


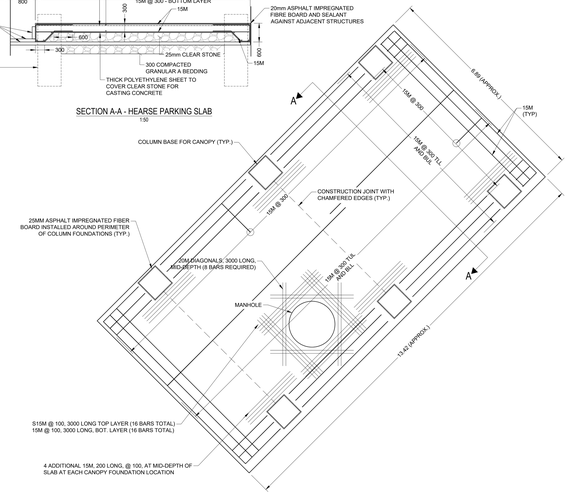
JOINT CONTROL DETAIL
1:7



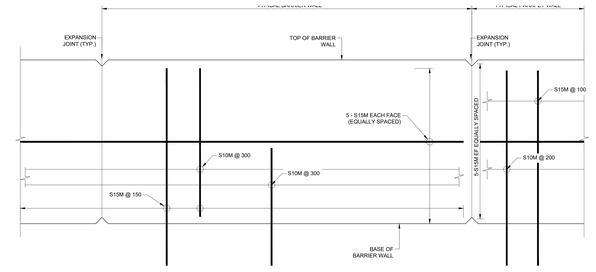
RAILING CONNECTION DETAIL - PRE-CAST BLOCK WALLS
1:10



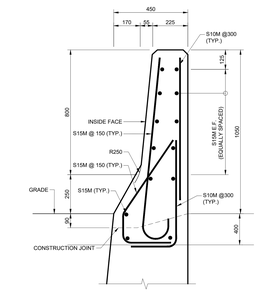
SECTION A-A - HEARSE PARKING SLAB
1:50



PLAN - HEARSE PARKING SLAB
1:50

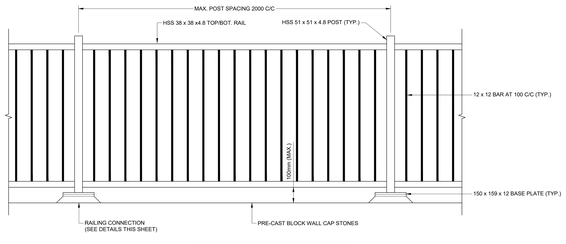


ELEVATION

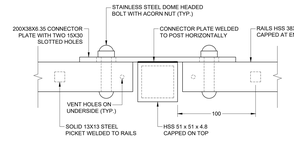


BARRIER WALL DETAILS

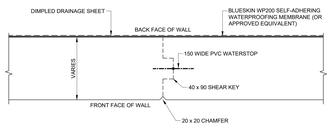
TYPICAL BARRIER WALL REINFORCEMENT DETAILS
1:10



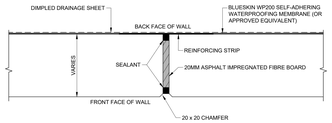
RAILING DETAILS - PRE-CAST BLOCK WALLS



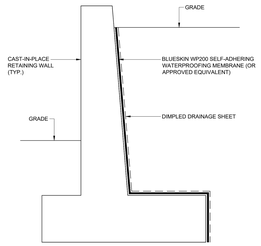
RAILING DETAILS - PRE-CAST BLOCK WALLS



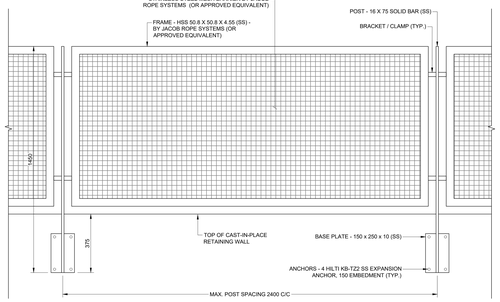
VERTICAL CONSTRUCTION JOINT DETAIL FOR RETAINING WALLS
1:5



VERTICAL EXPANSION JOINT DETAIL FOR RETAINING WALLS
1:5



TYPICAL WATERPROOFING FOR CAST-IN-PLACE CONCRETE RETAINING WALLS



NOTE: 1.45m HIGH INSTALLATION ON ENTRANCE WALLS SHOWN BELOW. SHORTER 1.07m INSTALLATION FOR RETAINING WALLS 12 AND 13 HAVE SIMILAR DESIGN WITH SHORTER POSTS AND FRAMES.

RAILING DETAILS - CAST-IN-PLACE CONCRETE WALLS

HEARSE SLAB NOTES:

- SEE MECHANICAL DRAWINGS FOR SLAB HEATING ELEMENT DETAILS.
- CONCRETE TO BE CLASS C-1 EXPOSURE, 35MPA AT 56 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, 20MM.
- 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: ONTARIO BUILDING CODE (OBC) 2024 AND NATIONAL BUILDING CODE (NBC) 2020
- 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.
- PROPRIETARY 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 GEOMETRY OF THE PRECAST BLOCK WALL UNITS, ENSURING 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 350W 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 RAILING ADAPTERS.
- USE DENSE, NON-SHRINK GROUT FROM THE MTO DSM LIST OF APPROVED GROUTS FOR BEARINGS TO SECURE THE ADAPTERS IN POSITION.
- INSTALL ADAPTERS AND RAILING PLUMB, LEVEL AND BRACED. RECEIVE CONTRACT ADMINISTRATOR APPROVAL BEFORE GROUTING. KEEP BRACING IN PLACE FOR 48 HOURS UNTIL 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.
- RETAILING WALL #14 AT THE LOADING DOCK (A CAST-IN-PLACE WALL) TO HAVE THE SAME RAILING AS OTHER PRE-CAST BLOCK WALLS. THE RAILING WILL BE MOUNTED ON TOP WITH FOUR HILTI KB-TZ2 STAINLESS STEEL ANCHORS, EMBEDDED 150MM.

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/A 123M-17.
- THE ABRASIVE BLAST MEDIA FOR SWEEP BLASTING OF GALVANIZED SURFACE FOR COATING SHALL BE OF HARDNESS 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 D6386.
- A COMPLETE WRITTEN PROCEDURE DETAILED GALVANIZING, PREPARATION FOR COATING, AND COATING APPLICATION SHALL BE SUBMITTED FOR ACCEPTANCE.
- THE COATING OVER GALVANIZING SHALL BE:
  - TOPCOAT BLACK, SEMI-GLOSS
  - THE PRODUCTS LISTED ON DSM #9.20.60 ARE PRE-APPROVED. ALTERNATIVE PRODUCTS ARE SUBJECT TO APPROVAL.
  - MODIFIED ALUMINUM EPOXY MASTIC FOLLOWED BY ALIPHATIC POLYURETHANE AND CLEAR SEALER.
  - HIGH BUILD EPOXY FOLLOWED BY ALIPHATIC POLYURETHANE.
  - THICKNESS OF EACH COAT AS PER MTO DSM #9.20.60
  - 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 MOCK-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.

File Number:
D07-12-26-0008 (Revision)
D07-12-22-0168 (Original)
Plan Number: 19424

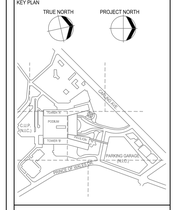
PROJECT
THE OTTAWA HOSPITAL NEW CAMPUS DEVELOPMENT - PHASE 4 MAIN HOSPITAL BUILDING

900 CARLING AVE, OTTAWA, ONTARIO

CLIENT
The Ottawa Hospital | L'Hôpital d'Ottawa
Infrastructure Ontario
PCL CONSTRUCTION | EllisDon

CLIENT PROJECT NO.
1070002

KEY PLAN



NO.	ISSUED	DATE
07	SITE PLAN CONTROL RESUBMISSION R2	2026-03-27
06	DESIGN-BUILD BASELINE SUBMISSION	2026-03-05
05	FOUNDATION PERMIT SUBMISSION	2026-01-12
04	SITE PLAN CONTROL RESUBMISSION	2026-01-12
03	90% IDD SUBMISSION	2025-09-19
02	SITE PLAN CONTROL RESUBMISSION	2025-06-05
01	65% DD SUBMISSION	2025-06-05

REVISIONS

DRAWING STATUS
NOT FOR CONSTRUCTION

DISCREPANCIES MUST BE REPORTED IMMEDIATELY TO THE CONSULTANT. DO NOT SCALE DRAWINGS. ONLY FIGURES DIMENSIONS ARE TO BE USED. CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE. THIS DRAWING IS PROTECTED BY COPYRIGHT.

ALL DIMENSIONS ARE SHOWN IN METRIC.

AUTHOR
wsp

PROJECT TEAM

DESIGN-BUILDER	PCL/ED_A JOINT VENTURE
ARCHITECTURAL	PARKIN ARCHITECTS LIMITED JODOIN LAMARRE PRATTE ARCHITECTES ADAMSON ASSOCIATES ARCHITECTS bbb ARCHITECTS OTTAWA INC.
STRUCTURAL	SALAS O'BRIEN CANADA INC. BOOTHILLETTE PURZEAU INC.
MECHANICAL	HH ANGUS & ASSOCIATES LTD. SALAS O'BRIEN CANADA INC.
ELECTRICAL	MULVEY & BANANI INTERNATIONAL INC.
CIVIL	WSP CANADA INC.
LANDSCAPE	VERTECHS DESIGN INC. PWP LANDSCAPE ARCHITECTURE
BUILDING CODE	LMDG BUILDING CODE CONSULTANTS LTD.

AUTHOR PROJECT NO.
CA0027758.0-51

STAMP

STAMP

DRAWING TITLE

DETAILS CAST-IN-PLACE WALLS

DRAWN	CHECKED
K. MARTIN	M. THOM
SCALE AT 40" x 60"	DATE
AS SHOWN	2024-02-26

GRAPHIC SCALE
0m 5m 10m 20m
1:250

DRAWING NO.
C7-408

REV NO.
07

D07-12-26-0008

PLOT DATE:

#19424