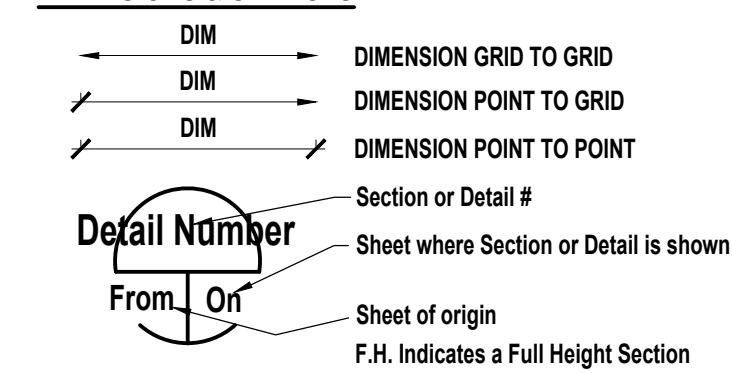


GENERAL NOTES

- DO NOT SCALE DRAWINGS.
- Design live loads shall not be exceeded at any time during construction. For concrete structures, design live loads may only be applied after concrete reaches its design strength.
- Construction loads must not be imposed on structure in excess of specified design live load. Design live loads may only be applied after concrete reached its design strength.
- The Contractor is to verify dimensions, elevations, slopes, details, conditions and other data noted on the structural drawings with conditions on the site, co-ordinate all dimensions with the architectural drawings prior to construction or fabrication of any building component, and is held responsible for reporting any discrepancies that effect structural framing to the engineer before proceeding with the work. Variations and modifications to work shown on the structural drawings shall not be carried out without written permission from the engineer.
- Modifications, alterations or substitutions must be authorized in writing by the Contract Administrator.
- The Contractor shall locate all existing site services prior to construction.
- For openings in slabs, floor, walls, roof, etc. refer to architectural, mechanical, structural and other pertinent drawings.
- Location of construction joints not indicated on plans is the responsibility of the Contractor but approval must be obtained from the Contract Administrator before proceeding.
- The Contractor shall be responsible for the design and installation of all necessary shoring, bracing and form work. Form work for new construction shall be bridged over existing services.
- The structure and grade beams shall be braced in all directions to safely withstand all lateral forces which may be encountered during erection. The bracing shall remain in place until all permanent bracing, framing, cladding and backfill are in place.
- All codes referenced in these notes shall be of the latest applicable revision.
- All beams, angles and miscellaneous metals indicated on architectural drawings but not shown on structural drawings, shall be included in the Bid price. The Contractor is responsible for confirming sizes and locations of these members with the Contract Administrator prior to Bid closing.
- Do not cut or drill any openings into structural members without obtaining written permission from the structural consultant.
- The Contractor shall retain a manufacturer's representative to provide onsite anchor installation training for all of their products specified. The Contract Administrator must receive documented confirmation that the Contractors personnel are trained prior to the commencement of installing anchors.

DIMENSIONS & SYMBOLS



DESIGN SPECIFICATIONS

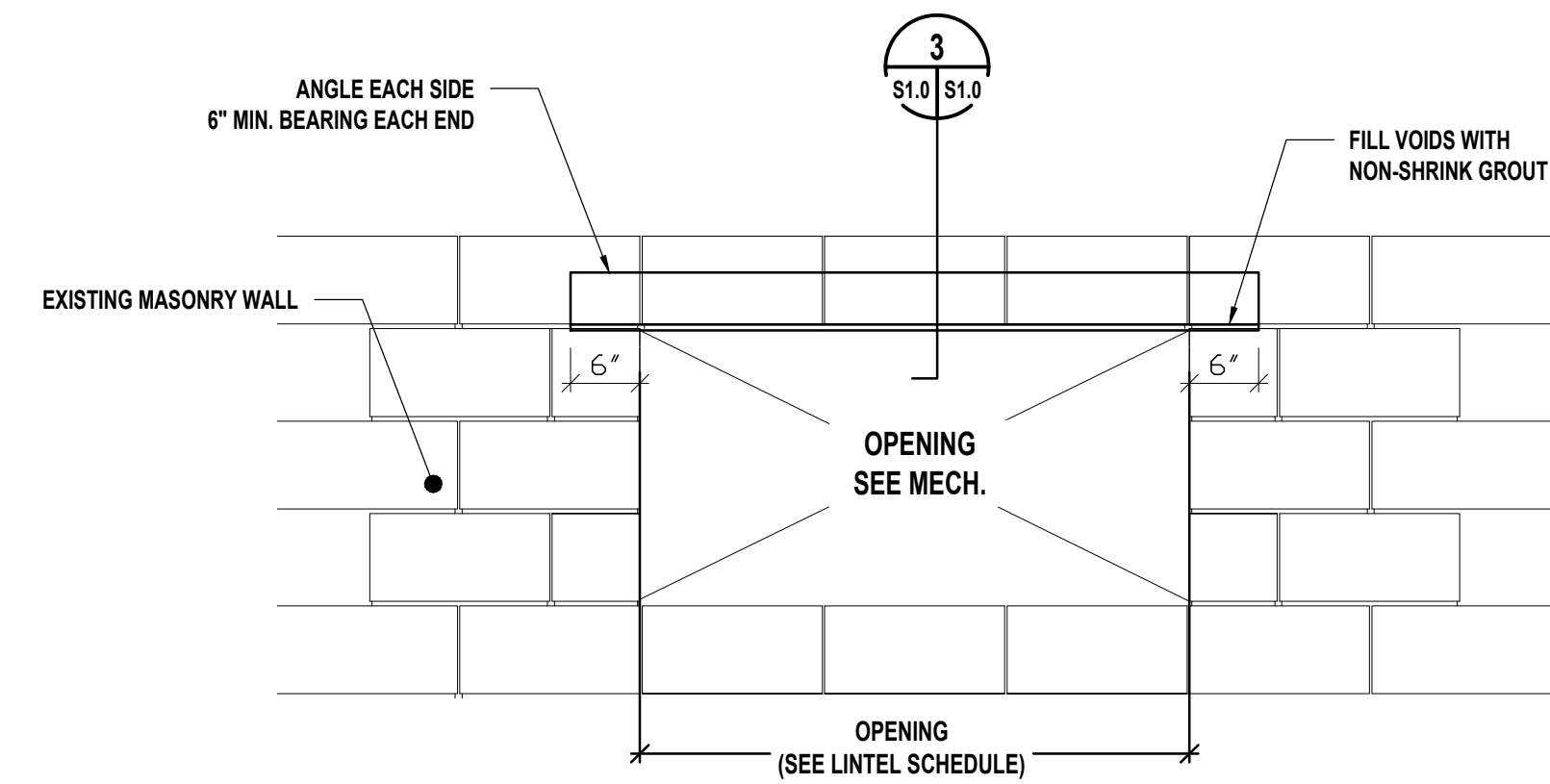
- The building modifications are designed in accordance with the 2011 Manitoba Building Code.

STRUCTURAL STEEL

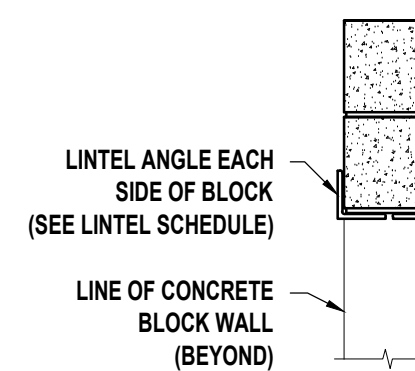
- Fabricate & erect structural steel to CSA Standard CAN/CSA-S16-09
- Structural steel shapes and plates shall conform to CSA Standard CAN/CSA-G40.21, Grade 350W and CAN/CSA-G40.21, Grade 350W for H.S.S., Class C.
- All welding shall be performed by qualified welders fully approved for structural welding by the Canadian Welding Bureau in accordance with CSA Specifications W47 and W59.
- Unless shown otherwise on the Drawings, connect all flexural members (beams, channels, etc.) at each end for one half of the total uniformly distributed factored load of the laterally supported beam, in addition to the transfer of factored moments, where shown on the Drawings.
- Splicing of members not permitted unless otherwise noted.
- Where beams are continuous over supports, no holes permitted in top flange. Provide 2-3/8" (10mm) welded web stiffener plates each side of beam, aligned with column walls.
- Structural steel erector shall supply and install all temporary guying and bracing necessary to provide stability for the structure as a whole. These shall remain in place until floor slabs are well cured, steel roof deck is fully welded and/or permanent bracing is installed.
- Steel stairs, handrails, guardrails shall be designed by others. Fabricator shall submit shop drawings under the seal of a Professional Engineer registered in the project Province, to the Contract Administrator for approval prior to fabrication.
- Structural Steel supplier shall submit shop drawings bearing the seal of a Professional Engineer in the project Province showing all design and fabrication details of connections to the Contract Administrator for review prior to fabrication.
- Pipe sections to ASTM A53, minimum yield point 241 MPa (35 ksi).
- Bolts, nuts, and washers to ASTM A325, minimum bolt diameter 3/4" (20mm).
- Anchor bolts to ASTM A307.
- Welding of reinforcing bars to CSA W188-M1990.
- Primer to conform to the requirements of CGSB or CISC/CPMA standards.
- Grout bed under base plates to be 35 MPa non shrink grout.
- All bolted connections shall have a minimum of two bolts in each connected piece and be designed with bearing-type connections with threads included in shear plane, unless noted otherwise.
- All steel shall receive a shop coat of primer except surfaces to be concreted, welded, light zinc coated or galvanized.
- Clean all field welds after erection and touch up all unpainted surfaces with one coat of primer paint to match shop coat.
- There shall be no cutting of the structural steel members for the work of other trades without prior written approval of the Contract Administrator.
- Professional Engineer whose seal is on shop drawings shall review construction and provide a letter certifying that connections have been installed in accordance with the approved shop drawings.
- All exposed steel to be galvanized.

LINTEL SCHEDULE		
MARK	MAX SPAN	DESCRIPTION
L1	32"	2 - L4x4x3/8

* IF ALL BLOCKS ABOVE OPENING HAVE MIN 6" BEARING, NO LINTEL IS NEEDED

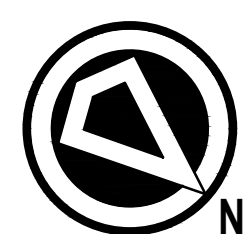
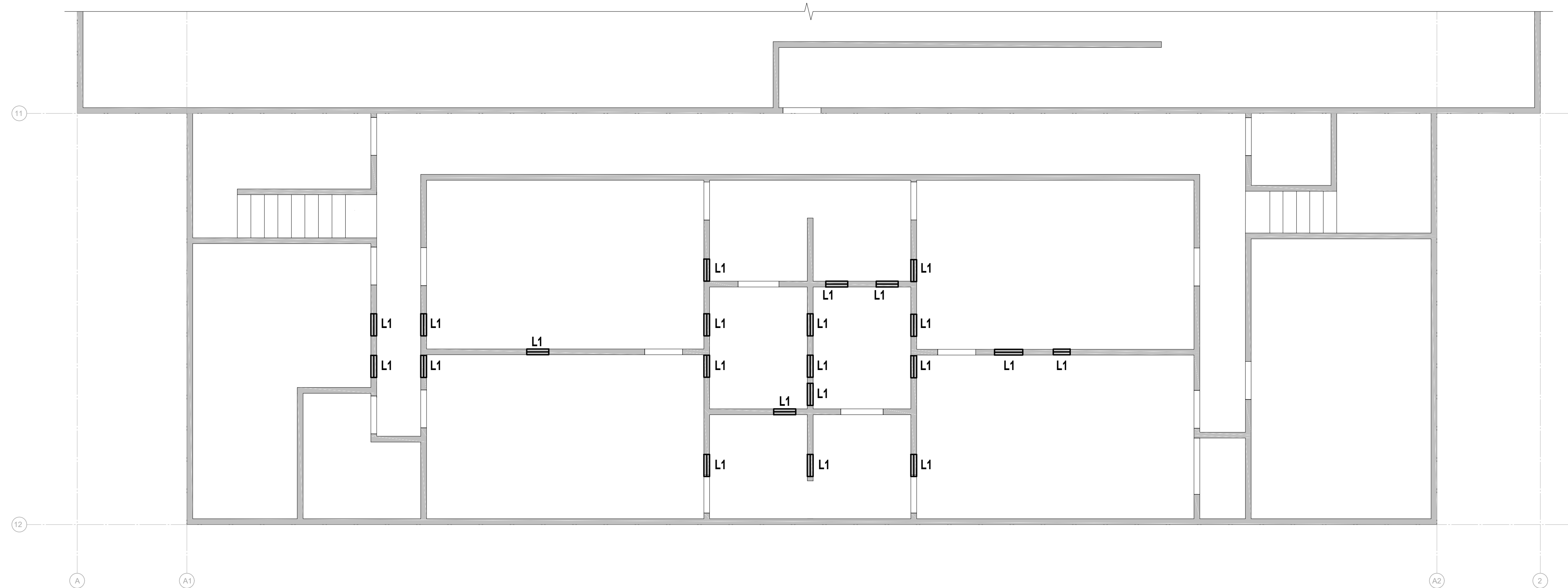


TYP. LINTEL ELEVATION
SCALE 3/4" = 1'-0"



TYP. LINTEL DETAIL
SCALE 3/4" = 1'-0"

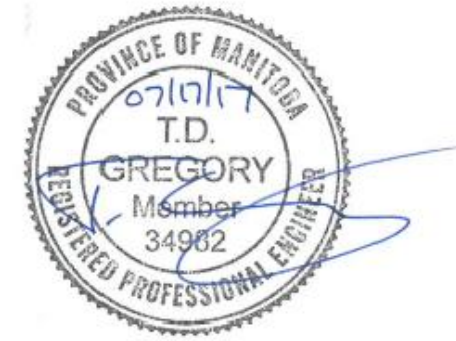
THE EXISTING STRUTURE HAS BEEN REVIEWED AND IS CAPABLE OF HANDLING THE OPENINGS AS SHOWN ONCE NOTED REINFORCEMENT IS COMPLETE IN ACCORDANCE WITH THE 2011 MANITOBA BUILDING CODE.



1
SCALE 3/16" = 1'-0"
BASEMENT PARTIAL PLAN

NOTES:

- LINTEL LOCATIONS ARE APPROXIMATE - SEE MECH AND ARCH DRAWINGS FOR EXACT LOCATION AND SIZES.
- ANY OPENINGS IMMEDIATELY BELOW CONCRETE BEAM OR CONCRETE STRUCTURAL SLAB DO NOT REQUIRE LINTELS.
- NO OPENINGS ARE TO BE MADE IN THE LINTEL BLOCKS ABOVE EXISTING DOORS WITHOUT CONSULTING THE CONTRACT ADMINISTRATOR.
- NO HOLES ARE TO BE MADE IN THE CONCRETE BEAMS.



No.	DATE	REVISION / ISSUANCE
4	YY.MM.DD	-
3	YY.MM.DD	-
2	YY.MM.DD	-
1	YY.MM.DD	-
0	17.07.17	ISSUED FOR CONSTRUCTION

Architect



Engineer



Project

ST. VITAL ARENA
CHANGE ROOM UPGRADES
580 ST. ANNE'S ROAD, WINNIPEG, MB

Sheet Title

BASEMENT PARTIAL PLAN

Project No.	Sheet
1723	S1.0
Date	JULY 17, 2017

S1.0