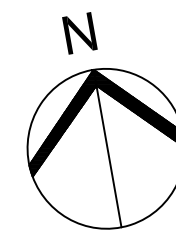


2 LINTEL SECTION
S-1 S-1

Scale: N.T.S.

- MASONRY BLOCK TO BE CONC. FILLED E.S. OF OPENING
2 COURSES @ EACH NEW OPENING

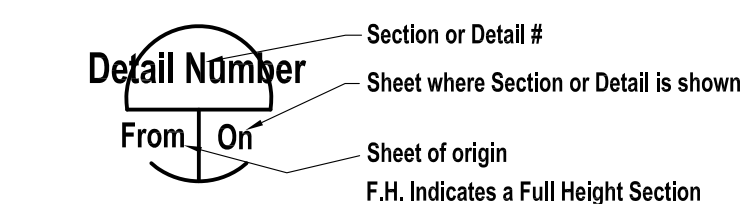
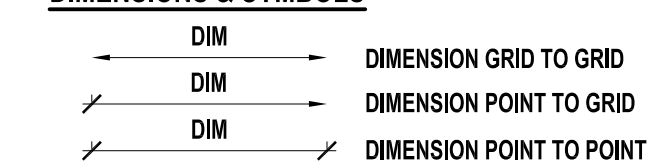
1 MAIN FLOOR
S-1 S-1
Scale: N.T.S.



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 Contract Administrator 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 Contract Administrator.
- 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 or 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 tender price. The contractor is responsible for confirming sizes and locations of these members with both the architect and the Contract Administrator prior to tender 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 structural engineer of record must receive documented confirmation that the contractors personnel are trained prior to the commencement of installing anchors.

DIMENSIONS & SYMBOLS



DESIGN SPECIFICATIONS

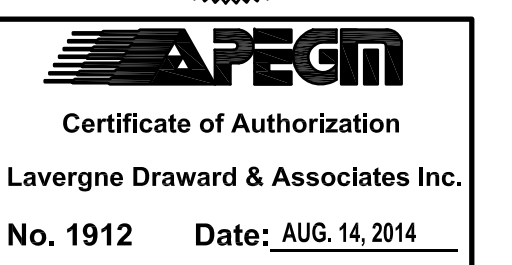
- The building is designed in accordance with the 2011 edition of the Manitoba Building Code of Canada,
 - Snow (Roof) 0.8(Ss) + (Sr) = 1.72 kPa (35.9 psf)
 - Wind q(150) - 0.45 kPa (9.4 psf)

MASONRY

- Masonry work shall conform to CSA Standards S304.1 and A371.
- Masonry work shall comply with S304.1-04 masonry design for buildings (limit states design) including design testing and workmanship. Refer to S304.1 for material specifications.
- All concrete masonry shall be standard block for all walls, UN on drawings. Unit compressive strength to be 15 MPa (Design value for grouted masonry is 7.5 MPa). Mortar shall be Type S. Provide durawall or equal every second course.
- Provide a minimum 1" (25 mm) joint at the top of masonry partition walls to allow for floor/roof deflection.
- Provide minimum of 2 void core fill with 1-15M each void at all ends of wall, each side of wall openings.
- LOOSE LINTEL ANGLES FOR 3 1/2" (90) BRICK:
 - Span L1 clear span - 0 to 52" (1300mm): L 3 1/2"x 3 1/2"x 1/4" (L 90mmx90mmx6.4)
 - Span L2 clear span - 52" (1300mm) to 72" (1800mm): L5"x 3 1/2"x 5/16" (127mmx90mmx7.9mm)
 - Span L3 clear span - 72" (1800mm) to 84" (2100mm): L6"x 3 1/2"x 3/8" (152mmx90mmx10mm)
 Extend loose lintel angle 8" (200mm) past openings, typical.

STRUCTURAL STEEL

- Fabricate and 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.
- 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. 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 Architect for review prior to fabrication.
- Bolts, nuts, and washers to ASTM A325, minimum bolt diameter 3/4" (20mm).
- All steel shall receive a shop coat of primer except surfaces to be concreted, welded, light zinc coated or galvanized.
- There shall be no cutting of the structural steel members for the work of other trades without prior written approval of the structural consultant.
- All exposed steel to be galvanized.



revision

The drawings, specifications, revisions, addendums, and clarifications, must be read as a whole. Errors and omissions due to separation of the documents by the contractor become the responsibility of the same.

This drawing must not be scaled.

The Contractor must verify all dimensions, datums and levels prior to commencement of work. All errors and omissions must be reported immediately to the Architect.

Variations and modifications to work shown on this drawing shall not be carried out without written permission from the Architect.

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project
WESTON MEMORIAL COMMUNITY CENTRE
- INTERIOR RENOVATION
WINNIPEG, MANITOBA

sheet title
NEW MAIN FLOOR &
MASONRY LINTELS

project number: 14066 drawing number:
scale: AS SHOWN
drawn by: J.W.
approved by: C.P.
date: AUG. 14, 2014

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