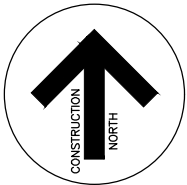


PARTIAL EXISTING SECOND FLOOR FRAMING PLAN

SCALE = 1 : 100

GENERAL NOTES

- 1.0 GENERAL
- 1.1 DESIGN AND CONSTRUCTION IS TO CONFORM TO THE REQUIREMENTS OF THE ONTARIO BUILDING CODE. REFER ALSO TO TYPICAL DETAILS, NOTES UNDER PLANS & SCHEDULES ON THE STRUCTURAL DRAWINGS, AND TO THE SPECIFICATION. ALL CODES, MANUALS, STANDARDS AND SPECIFICATIONS REFERRED TO SHALL BE THE LATEST EDITIONS INCLUDING ALL REVISIONS AND ADDENDA. ALL DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS MUST BE CHECKED AND ANY INCONSISTENCIES REPORTED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK. STRUCTURAL DRAWINGS MUST NOT BE SCALED.
- 1.2 UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS, NO PROVISION HAS BEEN MADE IN THE DESIGN FOR CONDITIONS OCCURRING DURING CONSTRUCTION. THE CONTRACTOR IS TO PROVIDE ALL NECESSARY BRACINGS AND SHORING REQUIRED FOR STRESSES AND INSTABILITY OCCURRING FROM ANY CAUSE DURING CONSTRUCTION. THE CONTRACTOR SHALL ACCEPT FULL RESPONSIBILITY FOR ALL SUCH MEASURES. IT SHALL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL NECESSARY BRACINGS, SHORINGS, SHEET PILING OR OTHER TEMPORARY SUPPORTS TO SAFEGUARD ALL EXISTING OR ADJACENT STRUCTURES EFFECTED BY THIS WORK.



Contractor must verify all dimensions on the Project Site and report any discrepancies before proceeding with the Work.

This drawing is a part of the Contract Documents and is to be read in conjunction with all other Contract Documents.

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Issue Record		
No.	Description	Date
0	ISSUED FOR CONSTRUCTION	02/06/25

**LANHACK** Steelcon Inc.  
Consulting Engineers  
1709 Upper James Street  
Hamilton, ON L9B 1K7  
Tel: (905) 777-1454  
Fax: (905) 336-8142

**BISHOP RYAN  
CATHOLIC SECONDARY  
SCHOOL  
NEW DOOR OPENING**

1824 RYMAL ROAD EAST  
HANNON, ONTARIO

Date: FEB. 2025  
Drawn By: JW  
Checked By: GL  
Scale: AS NOTED

**PARTIAL EXISTING  
SECOND FLOOR  
FRAMING PLAN  
AND SECTION**

Project No.: **25040** Drawing No.: **SK-S1**  
Plot Date: 02/06/25  
25040\_BISHOP\_RYAN.dwg

STRUCTURAL STEEL NOTES

- 1.0GENERAL
- 1.1STRUCTURAL STEEL CONNECTIONS SHALL CONFORM TO CSA STANDARD CAN/CSA S16–14 (LIMIT STATES DESIGN) & SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER EXPERIENCED IN THIS TYPE OF WORK.
- 1.2REFER ALSO TO GENERAL NOTES AND NOTES UNDER PLANS.
- 1.3WELDING SHALL CONFORM TO CSA STANDARD W59–13 AND BE PERFORMED BY A FABRICATOR CERTIFIED TO CSA W47.1–09 (R2014).
- 1.4BEAM CONNECTIONS SHALL BE DESIGNED FOR A MINIMUM OF 50% OF THE BEAM SHEAR CAPACITY UNLESS OTHERWISE NOTED, & IN NO CASE BE LESS THAN THE LOADS SHOWN ON OR IMPLIED BY THE DRAWINGS.
- 2.0PRODUCTS
- 2.1ALL STRUCTURAL STEEL MEMBERS SHALL CONFORM TO CAN/CSA G40.20–13/G40.21–13. ROLLED SECTIONS, PLATES, SAG RODS, STRAP ANCHORS & BARS, EXCEPT WIDE FLANGE BEAMS SHALL BE TYPE 350W AND HOLLOW STRUCTURAL AND WIDE FLANGE BEAMS SECTIONS SHALL BE TYPE 350W, CLASS H FOR SQUARE HSS & CLASS C FOR ROUND HSS.
- 2.2BOLTS, NUTS & WASHERS FOR CONNECTIONS TO CONFORM TO ASTM A325–14 UNLESS NOTED.
- 2.3ANCHOR BOLTS, NUTS & WASHERS FOR BASE PLATES, BEARING PLATES & WELD PLATES TO CONFORM TO ASTM A307–14 UNLESS NOTED.
- 2.4WELDING MATERIALS TO CONFORM TO CSA W48–14 (SERIES).
- 2.5PRIMER PAINT TO CONFORM TO CGSB 1.40–M89 OR CISC/CPMA 2–75.
- 3.0EXECUTION
- 3.1FABRICATION, HANDLING & ERECTION TO CONFORM TO CAN/CSA S16–14.
- 3.2CLEAN, PREPARE SURFACES AND SHOP PRIME STRUCTURAL STEEL WITH ONE COAT OF SPECIFIED PRIMER PAINT IN ACCORDANCE WITH CSA CAN3–S16–14, EXCEPT WHERE MEMBERS ARE TO BE ENCASED IN CONCRETE. FIELD "TOUCH–UP" BOLTS, WELDS, BURNED OR SCRAPED SURFACES AFTER ERECTION.
- 3.3PROVIDE ALL NECESSARY TEMPORARY BRACING TO KEEP STRUCTURE SAFE AND PLUMB. BRACING SHOWN ON STRUCTURAL DRAWINGS IS PERMANENT FOR FINISHED BUILDING ONLY.
- 3.4CO–ORDINATE WITH MECHANICAL & ELECTRICAL CONSULTANTS & SUB–TRADES WHOSE WORK MAY EFFECT DETAILING, FABRICATION & ERECTION OF THE STEEL STRUCTURE.
- 3.5NO HOLES OTHER THAN THOSE SHOWN ON REVIEWED SHOP DRAWINGS SHALL BE MADE IN ANY STEEL MEMBER WITHOUT WRITTEN PERMISSION OF THE STRUCTURAL CONSULTANT.
- 4.0QUALITY CONTROL
- 4.1SEE GENERAL NOTES, NOTES UNDER PLANS, AND/OR SPECIFICATION FOR INSPECTION & TESTING REQUIREMENTS.

LOAD BEARING MASONRY NOTES

- 1.0GENERAL
- 1.1THE FOLLOWING INDICATES ONLY THE MINIMUM REQUIREMENTS APPLICABLE TO STRUCTURAL LOAD BEARING MASONRY, BASED UPON CSA S304–14 (R2010) DESIGN OF MASONRY STRUCTURES, CLAUSE 10.5.2.
- 2.0PRODUCTS
- 2.1CONCRETE BLOCKS & BRICKS:– TO CONFORM TO ONE OR MORE OF CSA A165 SERIES–14. BLOCKS TO BE MODULAR UNITS AS SHOWN ON THE ARCHITECTURAL DRAWINGS &/OR SPECIFICATION, AND UNLESS OTHERWISE NOTED SHALL BE:–

1. FOR BELOW GRADE & EXTERIOR EXPOSED WALLS USE NORMAL WEIGHT LOAD BEARING UNITS:–

STANDARD HOLLOW:TYPE H/15/A/M.

75% SOLID:TYPE S/15/A/M.

100% SOLID:TYPE S/15/A/M.

2. FOR INTERIOR ABOVE GRADE WALLS USE LIGHTWEIGHT LOAD BEARING BLOCKS:–

STANDARD HOLLOW:TYPE H/15/C/M.

75% SOLID:TYPE S/15/C/M.

100% SOLID:TYPE S/15/C/M.

2.2MORTAR:– TO CONFORM TO CSA A179–14. FOR LAYING CONCRETE BLOCKS...USE TYPE "S" MORTAR UNLESS NOTED. FOR LAYING CLAY BRICKS: USE TYPE "N" MORTAR UNLESS NOTED.

2.3MASONRY GROUT:– TO CONFORM TO CSA A179–14. THE SLUMP SHALL BE + 200mm (+8") AND THE MINIMUM 28 DAY COMPRESSIVE STRENGTH SHALL BE 12.5 MPa.

2.4MASONRY CONNECTORS:– (ANCHORS, FASTENERS & TIES) SHALL CONFORM TO CSA A370–14, AND BE INSTALLED TO COMPLY WITH CSA A371–14. SPACING, STRENGTH & GALVANIZING OF STRIP TIES, DOVETAIL ANCHORS, BAR ANCHORS, ROD ANCHORS, STRAP ANCHORS, WALL & PARTITION ANCHORS SHALL COMPLY WITH CSA A371–14.

2.5GROUTING:– BY FILLING VOIDS OF HOLLOW UNITS & REINFORCED HOLLOW UNITS SHALL CONFORM TO CSA A371–14 (MORTAR IS NOT ACCEPTABLE).

3.0EXECUTION

3.1BEARINGS ON MASONRY:–

1. MINIMUM BEARING ON MASONRY UNLESS OTHERWISE NOTED:–


LINTELS (STEEL).....150mm (6") NOMINAL

2. MASONRY BEARINGS SHALL BE OF SOLID BLOCKS (OR GROUTED SOLID) OR BRICKS LAID IN MORTAR. ALL JOINTS ARE TO BE FULLY FILLED WITH TYPE 'S' MORTAR.

4.0QUALITY CONTROL

4.1WHEN REQUESTED SAMPLING AND TESTING SHALL CONFORM TO CSA S304–14. REFER ALSO TO GENERAL NOTES.
- Contractor must verify all dimensions on the Project Site and report any discrepancies before proceeding with the Work.

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- Issue Record
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- |             |           |
|-------------|-----------|
| Date:       | FEB. 2025 |
| Drawn By:   | JW        |
| Checked By: | GL        |
| Scale:      | N.T.S.    |
- NOTES
- |  |                       |
|--|-----------------------|
| Project No.:<br>25040                        | Drawing No.:<br>SK-S2 |
| Plot Date: 02/06/25<br>25040_BISHOP_RYAN.dwg |                       |
- 17/02/25 STEELCON/25040 - Bishop Ryan Catholic Secondary - New Entrance