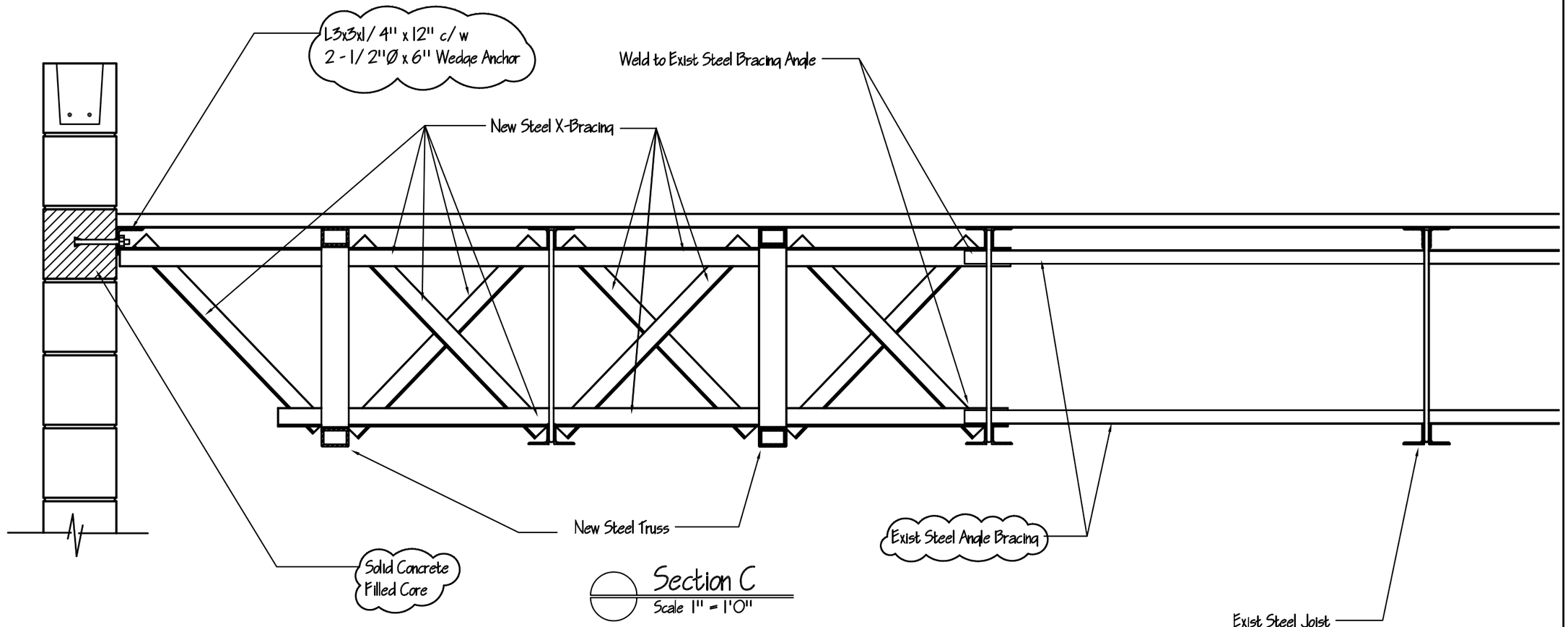

Section C
Scale 1" = 1'0"

GENERAL

1. ALL FIELD DIMENSIONS ARE BE CHECKED AND VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO STARTING CONSTRUCTION.
2. THE STRUCTURE SHALL BE BRACED TO SAFELY WITHSTAND ALL FORCES WHICH MAY BE ENCOUNTERED DURING CONSTRUCTION. THE BRACING SHALL REMAIN IN PLACE UNTIL THE PERMANANT STRUCTURAL MEMBERS ARE IN PLACE AND FULLY OPERATIONAL.

MASONRY

1. MASONRY MORTAR SHALL BE TYPE "S" BASED ON PROPERTY AND PROPORTION SPECIFICATIONS OF CSA A179 WITH A 28 DAY STRENGTH OF 12.4MPa.
2. MATERIALS USED IN CONCRETE MASONRY SHALL CONFORM TO CSA A165.1.
3. AT BEARINGS PLATES FILL 2 CORES AND 3 COURSES DEEP WITH 20MPa CONCRETE AT EACH BEARING LOCATION.
4. MASONRY CONTRACTOR TO PROVIDE AND PLACE ALL CONCRETE FILL FOR REINFORCED MASONRY WALLS. CONCRETE STRENGTH TO BE 20MPa AT 28 DAYS, TYPE 10 CEMENT.
5. MASONRY BLOCK REINFORCING TO BE "DUR-O-WALL" OR "BLOK-LOK" STANDARD PROFILE LADDERS (9 GAUGE SIDE RODS AND CROSS BARS), WELDED TO ASTM A82 FOR COLD DRAWN STEEL. INSTALL LADDER REINFORCING AT MAXIMUM VERTICAL SPACING OF 400MM. LAP REINFORCING A MINIMUM 100MM AT END OF LADDERS WITHIN BLOCK MORTAR BED.
6. MASONRY REINFORCEMENT AND TYING SHALL BE IN ACCORDANCE WITH CSA CAN3-S304.

STRUCTURAL STEEL

1. FABRICATION AND ERECTION OF STRUCTURAL STEEL TO BE PERFORMED IN ACCORDANCE WITH CSA S16 "STEEL STRUCTURES FOR BUILDINGS".
2. HOLLOW STRUCTURAL SECTIONS SHALL BE IN ACCORDANCE WITH CSA G40.21, GRADE 50W, CLASS C. ALL OTHER STRUCTURAL SECTIONS SHALL BE IN ACCORDANCE WITH CSA G40.21, GRADE 44W.
3. ALL STRUCTURAL STEEL CONNECTIONS SHALL BE IN ACCORDANCE WITH CSA G40.21, GRADE 44W.
4. NO HOLES ARE PERMITTED IN FLANGES OR WEBS WITHOUT WRITTEN CONSENT FROM ENGINEER.
5. WELDING SHALL BE UNDERTAKEN BY A COMPANY WITH PROVEN CAPABILITY AND SHALL MEMBER IN GOOD STANDING OF THE CANADIAN WELDING BUREAU TO THE REQUIREMENTS OF CSA W47.1.
6. ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF CSA W59.
7. STRUCTURAL STEEL TO RECEIVE ONE COAT OF CPMA STANDARD 2.75 PRIMER.
8. SUBMIT SHOP DRAWINGS INCLUDING CONNECTION DETAILS AND CLEARLY INDICATING PROFILES, SIZES, SPACING AND LOCATIONS OF STRUCTURAL MEMBERS, CAMBERS, AND LOADS. CONNECTION DETAILS TO BE SEALED BY A PROFESSIONAL ENGINEER.
9. DO NOT START FABRICATION UNTIL SHOP DRAWINGS ARE REVIEWED.
10. COPIES OF STRUCTURAL DRAWINGS WILL NOT BE ACCEPTED FOR USE AS SHOP DRAWINGS.

S-4 (r)

Gymnasium Roof Strengthening
Notre Dame Recreactional Centre
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Winnipeg, MB

APEGM
Certificate of Authorization
GC Engineering Ltd.
No. 3208 Expiry: April 30, 2005

PROVINCE OF MANITOBA
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