

GENERAL NOTES

1. THE EXISTING BUILDING STRUCTURE HAS BEEN REVIEWED IN ACCORDANCE WITH THE ONTARIO BUILDING CODE 2012 AMENDED BY RESOLUTION 88/19 EFFECTIVE JANUARY 1, 2020.
2. ALL REFERENCES TO CODES & STANDARDS ARE TO THE LATEST ISSUE.

EXISTING STRUCTURAL METAL

1. EXISTING STRUCTURAL STEEL ANALYZED PER CLAUSE 5.2.2 OF CSA S16.1 WITH $F_y = 33 \text{ ksi}$ (230 MPa) AND $F_u = 50 \text{ ksi}$ (410 MPa).
2. THE RIGGING BEAMS HAVE BEEN REVIEWED PER CSA S16-14 CLAUSE 13.6 BENDING - Laterally unsupported members.

DESIGN LOADS FOR ROOF SUPERSTRUCTURE

BUILDING IMPORTANCE: NORMAL
ROOF

LIVE LOAD: SNOW 41.8 psf

DEAD LOAD:
ROOF = 7.00 psf
+SELF WEIGHT

BOTTOM CHORD LEVEL

DEAD LOAD:

EXIST. HOIST EQUIPMENT 2000 lbs
EXIST. HOIST PLATFORM 24.43 psf
EXISTING SCOREBOARD 8000 lbs
EXIST. CATWALKS 15.00 psf
EXIST. DISPLAY SCREEN RING 4712 lbs

LIVE LOAD: ADDITIONAL SUSPENDED LOADS (DEAD/BRIDLE) AT BOTTOM CHORD:
-NO ADDITIONAL LOAD SHOULD APPLY BETWEEN PANEL POINTS.

REFERENCE DRAWINGS

1. KITCHENER MEMORIAL AUDITORIUM - RIGGING PLAN TOTTEN SIMS HUBICKI ASSOCIATES, SEPTEMBER 26, 2008.
2. SCORE BOARD AND SIGNAGE DRAWINGS PREPARED BY IRC McCAVOUR ENGINEERING GROUP PROJECT# LE14-002SD-10776 DATED JUNE 13, 2014.
3. STRUCTURAL DRAWINGS S1 FOR NEW HOIST & SCORE BOARD PROJECT 54-21660-D3 TOTTEN SIMS HUBICKI ASSOCIATES (1997) LIMITED NOVEMBER 2002.

REFERENCE REPORT

1. THESE DRAWINGS MUST BE READ IN CONJUNCTION WITH THE FOLLOWING REPORT:

STRUCTURAL LOAD STUDY - ROOF TRUSSES, PREPARED BY IRC BUILDING SCIENCES GROUP. REPORT No. AE20-145SA-10776, DATED MAY 6, 2021

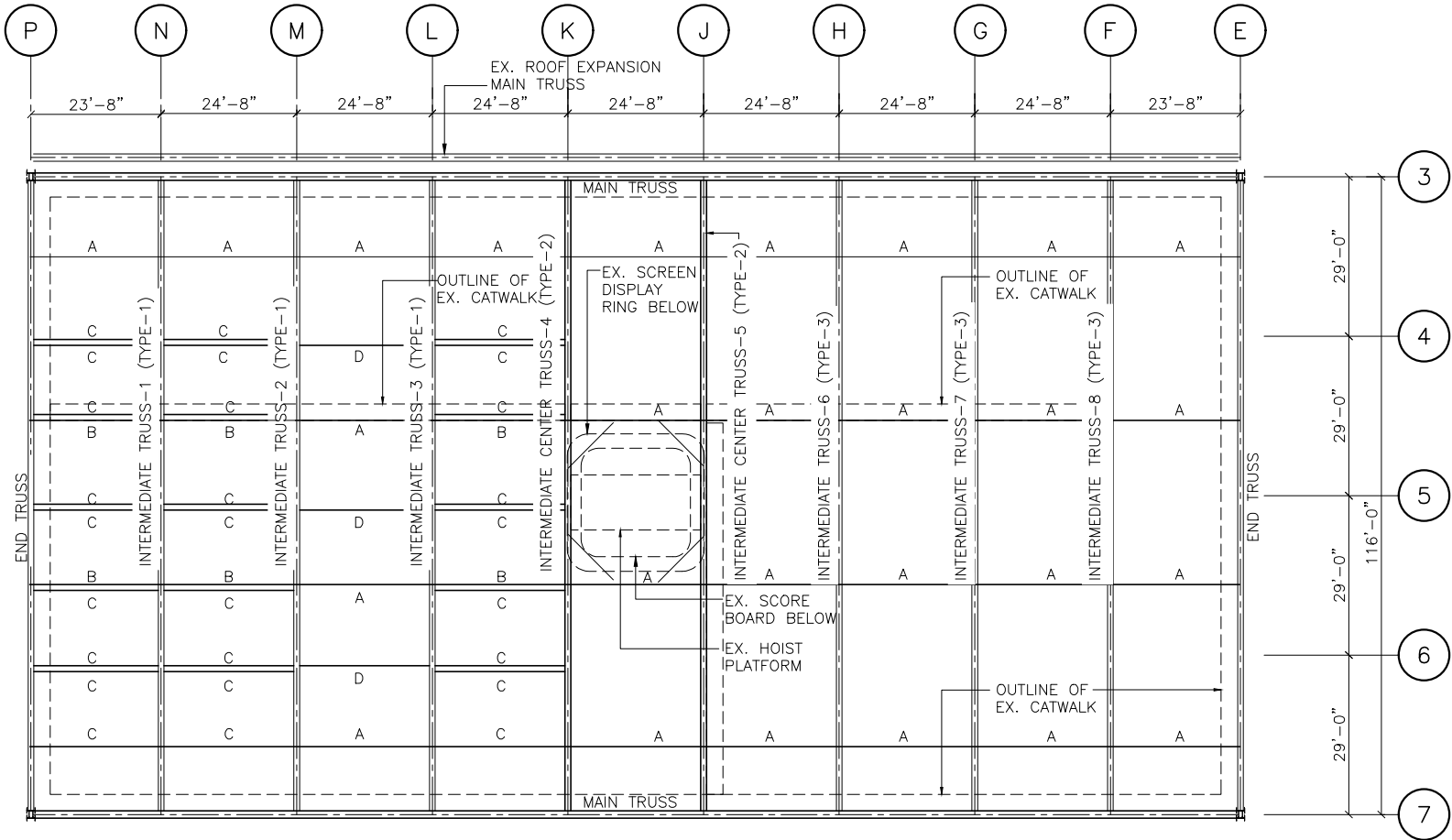
RIGGING BEAM CAPACITY

1. THESE DRAWINGS MUST BE READ IN CONJUNCTION WITH THE FOLLOWING REPORT:

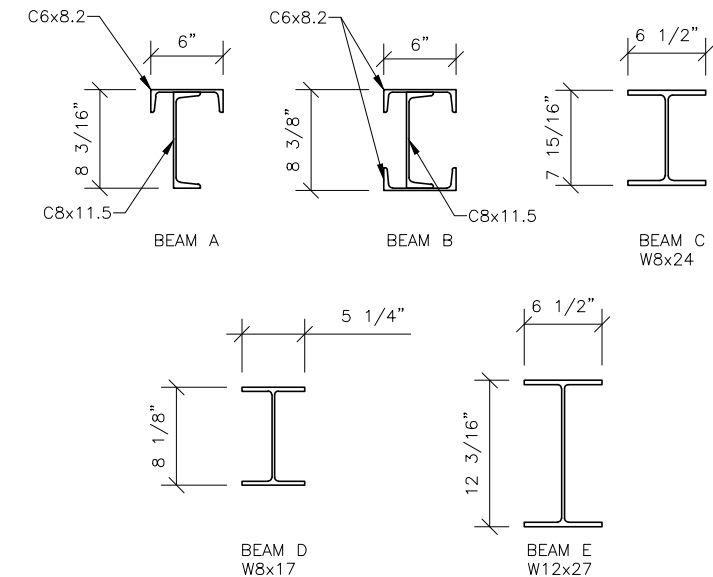
CONCERT PRODUCTION: STRUCTURAL LOAD STUDY RIGGING BEAMS, PREPARED BY IRC BUILDING SCIENCES GROUP. REPORT No. 100139351, DATED NOVEMBER 29, 2021

RIGGING BEAM SCHEDULE		
MARK	SIZE (IMPERIAL DESIGNATION)	MAX. ALLOWABLE LOAD (lbs)
A	C8x11.5 VERT. WITH C6x8.2 HORIZ. WELDED TO TOP FLANGE	750
B	C8x11.5 VERT. WITH C6x8.2 HORIZ. WELDED TO TOP & BOTTOM FLANGES	2150
C	W8x24	3025
D	W8x17	1150
E	W12x27	3275

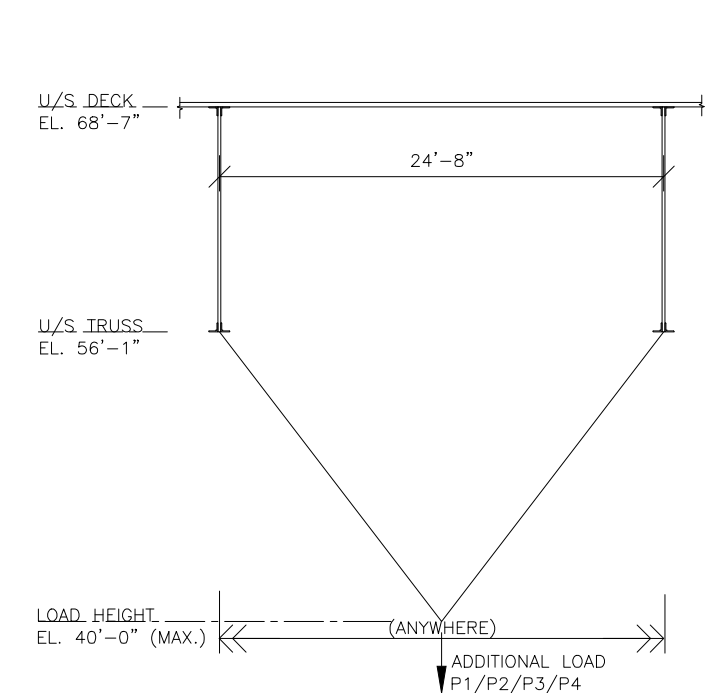
THE RIGGING BEAM REACTIONS MUST NOT EXCEED THE MAXIMUM ALLOWABLE PANEL POINT LOADS SPECIFIED IN DRAWINGS R-S02 & R-S03.



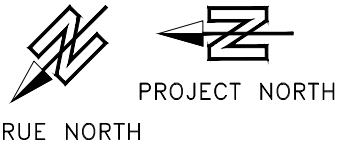
1 RIGGING BEAM LAYOUT PLAN
R-S01 SCALE 3/32" = 1'-0"



2 RIGGING BEAM SECTIONS
R-S01 SCALE 3/4" = 1'-0"



3 BRIDLE HANG LOAD
AT TRUSS BOTTOM CHORD
R-S01 SCALE 3/32" = 1'-0"



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No.	DATE	ISSUE	BY
1	2021-11-26	ISSUED FOR CLIENT REVIEW	J.D.

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PROJECT	KITCHENER MEMORIAL AUDITORIUM CONCERT PRODUCTION LOAD STUDY
LOCATION	400 EAST AVENUE KITCHENER, ON
DESIGNER	J.D.
DESCRIPTION	RIGGING BEAM LAYOUT PLAN, NOTES AND DETAIL

DATE	2021-11-26	JOB	100139351
SCALE	AS SHOWN	FILE	BS001
DRAWN BY	J.D.	SHEET	R-S01
CHECK BY	J.D.		