



SPECIFIED DESIGN LOADS

- MANITOBA BUILDING CODE 2010
- DEAD LOADS
 - ROOF = 1.00 kPa
 - MEZZANINE FLOOR = 2.60 kPa
 - MAIN FLOOR = 4.00 kPa
 - LIVE LOADS
 - SNOW AND ICE
 - Ss (1/50) = 1.9 kPa
 - Sr (1/50) = 0.2 kPa
 - IMPORTANCE CATEGORY = HIGH
 - ULS IMPORTANCE FACTOR (IS) = 1.15
 - SLS IMPORTANCE FACTOR (IS) = 0.90
 - UNIFORM SNOW LOAD (SULS) = 0.98 kPa
 - UNIFORM SNOW LOAD (SSLS) = 1.53 kPa
 - REFER TO PLAN FOR BUILT-UP SNOW LOADS
 - WIND
 - BUILDING CATEGORY = 2
 - q (1/10) = 0.35 kPa
 - q (1/50) = 0.45 kPa
 - IMPORTANCE CATEGORY = HIGH
 - ULS IMPORTANCE FACTOR (IW) = 1.15
 - SLS IMPORTANCE FACTOR (IW) = 0.90
 - NET ROOF UPLIFT = 1.17 kPa
 - USE AND OCCUPANCY
 - MAIN FLOOR = 4.80 kPa
 - MAIN FLOOR (ZAMBONI ROOM) = 4.80 kPa
 - MEZZANINE FLOOR (STORAGE) = 4.80 kPa
 - MEZZANINE FLOOR (MECHANICAL ROOM) = 3.60 kPa
 - FALL PROTECTION LOADS
 - REFER TO FALL PROTECTION ANCHOR SCHEDULE
 - EQUIPMENT LOADS:
 - AHU-1 = 2,650 kgs
 - AHU-2 = 2,500 kgs
 - ERV-1a, 1b = 500 kgs
 - ERV 2 = 350 kgs
 - ZAMBONI = 3,500 kgs
 - CONFIRM EQUIPMENT LOADS WITH REVIEWED EQUIPMENT SHOP DRAWINGS.

COLUMN SCHEDULE	
MARK	SIZE
C1	HSS 152x152x6.4
C2	HSS 127x127x6.4
C3	W200x86
C4	175x190 GLULAM
C5	HSS 203x152x6.4

FALL ARREST ANCHOR SCHEDULE			
MARK	TYPE & MODEL	HEIGHT	SPECIFIED DESIGN LOAD
EA1 TO EA10	BOLT AROUND OWSJ MODEL - THALER FARA-6NS	680 mm	22.24 kN ANY DIRECTION
EA11, EA12	NON STANDARD GLULAM CONNECTION MODEL - THALER FARA-3	610 mm	22.24 kN ANY DIRECTION
EA13, EA14, EA15	BOLT AROUND GLULAM MODEL - THALER K-FARA-3-700	610 mm	Fx = 30 kN Fy = 21 kN
EA16	NON STANDARD GLULAM CONNECTION MODEL - THALER K-FARA-3-700	610 mm	Fx = 30 kN Fy = 21 kN
EA17, EA18	BOLT AROUND OWSJ MODEL - THALER K-FARA-3-700	610 mm	Fx = 30 kN Fy = 21 kN
EA19	NON STANDARD GLULAM CONNECTION MODEL - THALER FARA-3	610 mm	22.24 kN ANY DIRECTION
EA20	BOLT AROUND STEEL BEAM MODEL - THALER FARA-3	610 mm	22.24 kN ANY DIRECTION

1 HIGH ROOF FRAMING PLAN
1:75

T/STEEL EL. 109.023m U/N

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HIGH ROOF FRAMING PLAN

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APEGM
 Certificate of Authorization
 KGS Group
 No. 245

PROFESSIONAL ENGINEER
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Sheet No: **S105**
 1 of 2

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