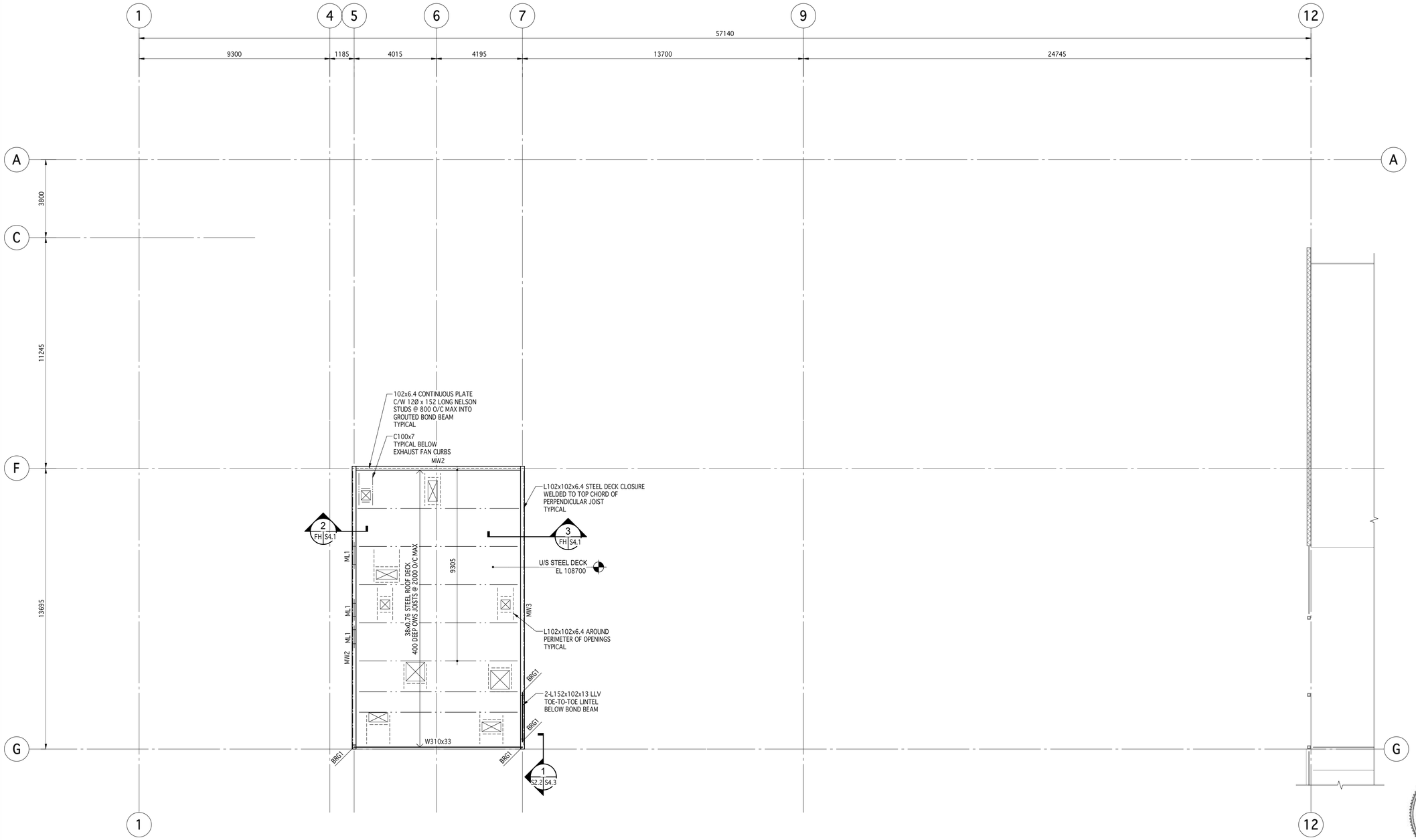

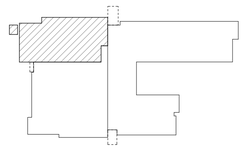

BUILDING KEY PLAN

NOT TO SCALE

2024-0002

CrosierKilgour

Structural Engineering & Building Performance

LM esp

LM Architectural Group | Environmental Space Planning

500-136 Market Avenue Winnipeg, Manitoba Canada R3B 0P4

t: 204.942.0681 lm-esp.ca

No.	REVISION/DESCRIPTION	BY	DATE
0	ISSUED FOR CONSTRUCTION	NRM	04.01.24

SEAL

PROVINCE OF MANITOBA N.R. MOSCOVITCH Member 33947 REGISTERED PROFESSIONAL ENGINEER

ENGINEER GEOSCIENTISTS MANITOBA

Certificate of Authorization

Crosier Kilgour & Partners Ltd.

No. 235

MS/CJM DRAWN	NRM CHECKED	NRM DESIGNED	Approver APPROVED
DATE 2024.04.01	USER APPROVAL		

Winnipeg

THE CITY OF WINNIPEG
ASSETS & PROJECT MANAGEMENT DEPARTMENT
MUNICIPAL ACCOMMODATIONS DIVISION
3-65 GARRY STREET, R3C 4K4

PROJECT

PEMBINA TRAILS COLLEGIATE
VOCATIONAL WING
TENDER NO. 954-2023B

50 FRONTIER TRAIL, WINNIPEG, MANITOBA, R3Y 2H1

SHEET TITLE

ROOF FRAMING PLAN

SCALE	PROJECT No:	SHEET No:
As indicated	2020-127	S2.4

DRAWING SHEET SIZE: A1 (594x841) PLOT 1:1

N

A S2.4

ROOF FRAMING PLAN - WEST

1 : 100

FLOOR/ROOF DESIGN LOADS

DESIGN SNOW LOAD: = 1.98 kPa (INCLUDES IMPORTANCE FACTOR) + SNOW BUILD-UPS AS PER S2.5

ROOF DESIGN DEAD LOAD = 1.5 kPa

ROOF DESIGN WIND UPLIFT = 1.13 kPa (GROSS EXCLUDING IMPORTANCE FACTOR)

FACTORED LOADS INDICATED ON PLANS INCLUDES IMPORTANCE FACTOR

ROOF NOTES

- SOLID BLOCKING IN HIGH DECK FLUTES BELOW EDGE OF ROOF TOP UNITS.
- CONFIRM EXACT LOCATION OF ROOF TOP UNITS WITH MECHANICAL
- L76x76x6.4 VERTICALS @ 1800 O/C TO TOP OF PERIMETER BEAMS WHERE TOP OF PARAPET IS GREATER THAN 650 ABOVE U/S OF DECK. REFER TO ARCHITECT FOR LOCATION AND TYPICAL DETAIL ON S0.4
- JOIST BEARING ELEVATIONS TO BE BASED ON 100 DEEP JOISTS SEATS TYPICAL.
- JOIST BRIDGING DESIGNED & SUPPLIED BY JOIST SUPPLER.
- JOIST/CHANNEL/ANGLE AT 190 MASONRY WALL TO BE COMPLETE WITH 150x200x16 BEARING PLATE WITH 2-13Ø x150 LONG NELSON STUDS @ 100 O/C INTO GROUTED BOND BEAM.