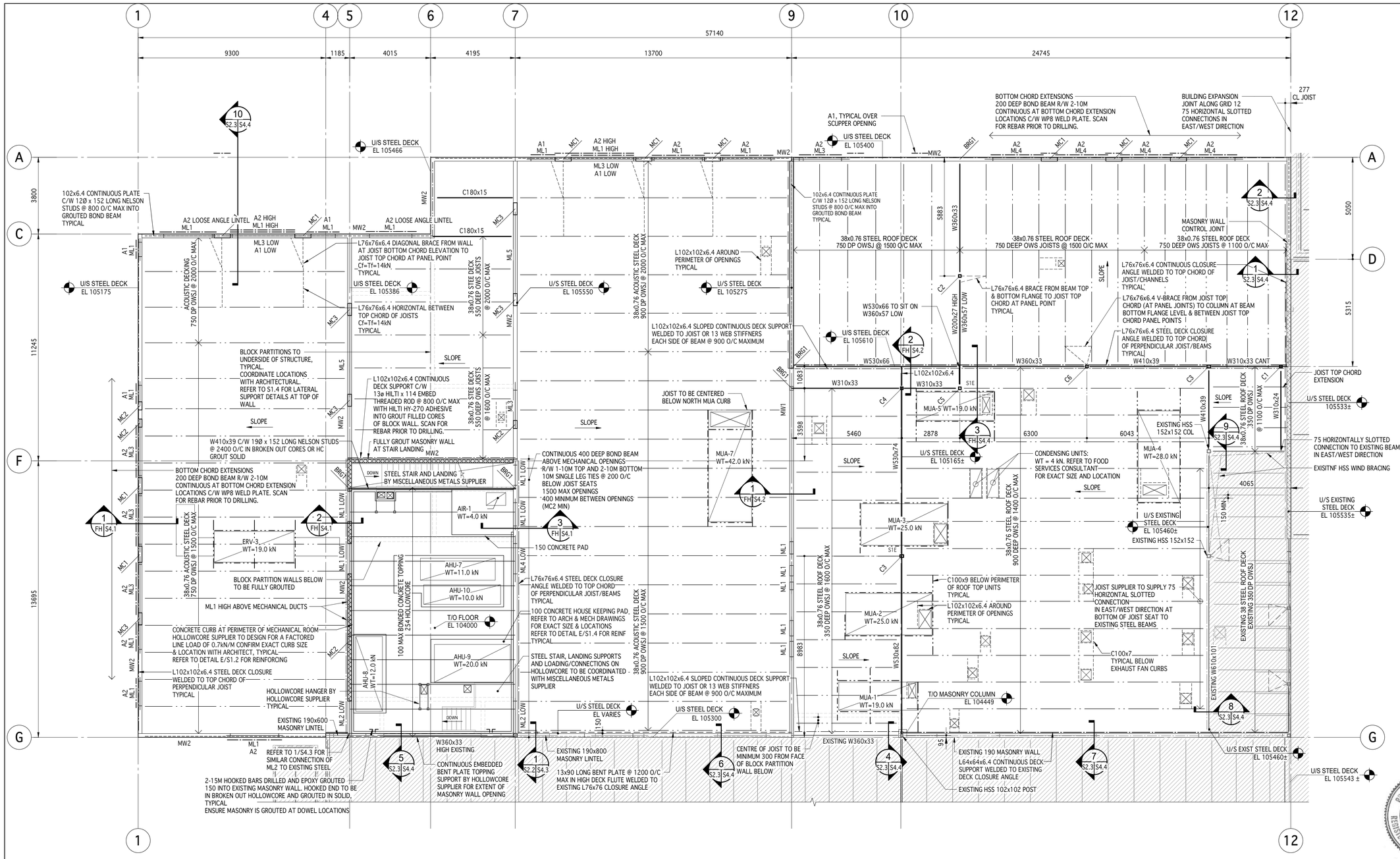

BUILDING KEY PLAN

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 Apr. 11/24 REGISTERED PROFESSIONAL ENGINEER

ENGINEER GEOSCIENTISTS MANITOBA
Certificate of Authorization
Crosier Kilgour & Partners Ltd.
No. 235

MS/CJM DRAWN	NRM CHECKED	NRM DESIGNED	NRM 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
SECOND FLOOR FRAMING PLAN

SCALE	PROJECT No:	SHEET No:
As indicated	2020-127	S2.3

N

A / S2.3 SECOND FLOOR FRAMING PLAN
1 : 100

FLOOR/ROOF DESIGN LOADS

DESIGN SNOW LOAD:	1.98 kPa (INCLUDES IMPORTANCE FACTOR) + SNOW BUILD-UPS AS PER S2.5
DESIGN FLOOR LIVE LOAD:	7.2 kPa (INCLUDING WEIGHT OF HOUSEKEEPING PADS)
DESIGN FLOOR DEAD LOAD:	254 HOLLOWCORE = 6.00 kPa (3.35 kPa HOLLOWCORE, 2.35 kPa TOPPING, 0.80 kPa FLOOR FINISH, MECHANICAL & ELECTRICAL)
ROOF DESIGN DEAD LOAD:	TYPICAL = 1.00 kPa.
ROOF DESIGN WIND UPLIFT:	1.08 kPa (GROSS EXCLUDING IMPORTANCE FACTOR)

FLOOR NOTES
- REFER TO DRAWING SERIES S1.1 TO S1.5 FOR GENERAL NOTES, DETAILS AND SCHEDULES
- ALL STEEL STUD FRAMING TO BE DESIGNED & DETAILED IN SHOP DRAWINGS BY AN ENGINEER REGISTERED IN MANITOBA.
- CONCRETE TOPPING TO BE REINFORCED WITH 10M @ 450 O/C EACH WAY TOP

ROOF NOTES
- JOIST DESIGNATED 'S1E' TO BE DESIGNED FOR Tf=Cf=10 kN
- SOLID BLOCKING IN HIGH AND LOW DECK FLUTES BELOW ROOF TOP UNIT CURBS AND ABOVE STEEL SUPPORT FRAMING.
- 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.