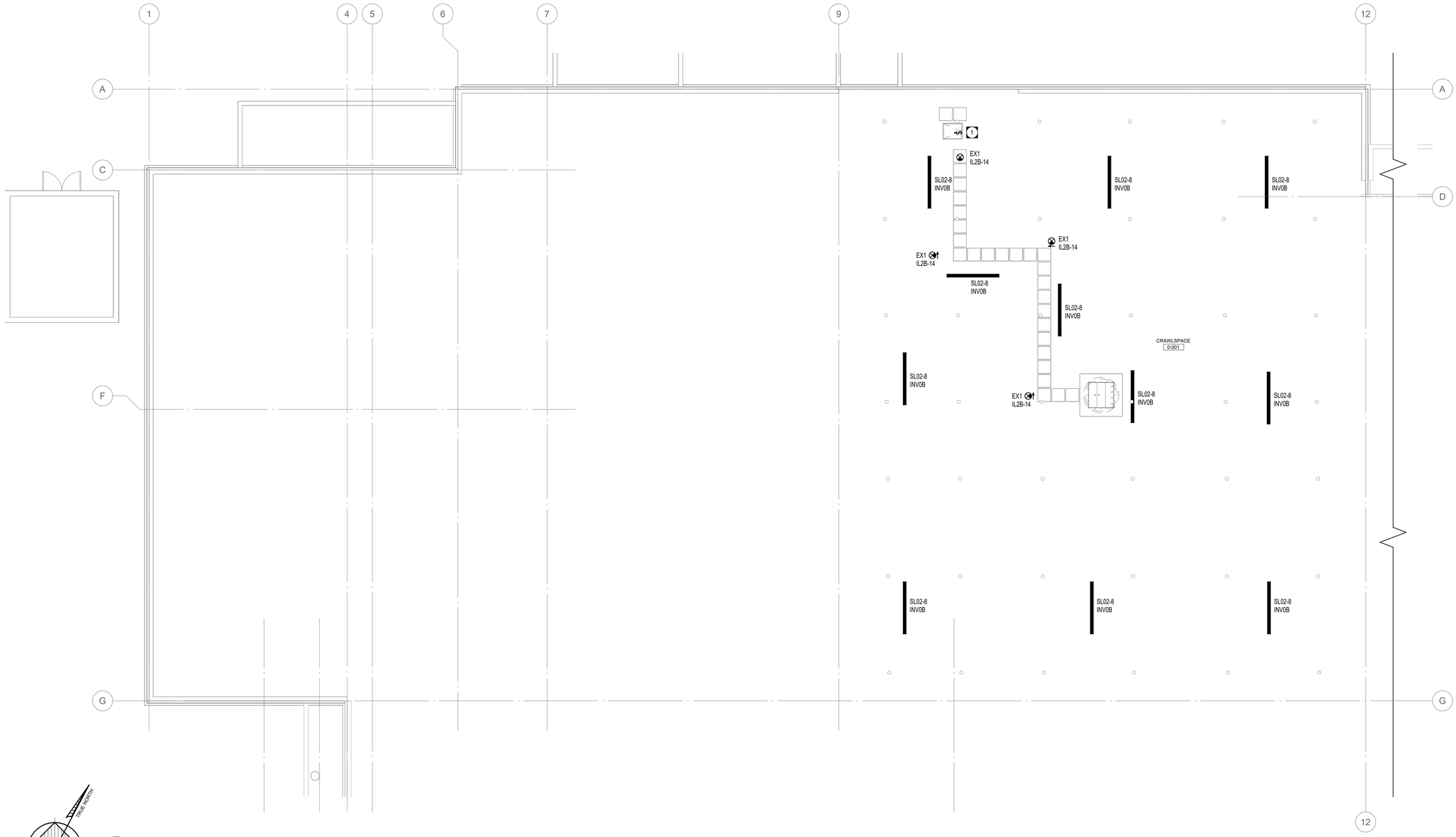

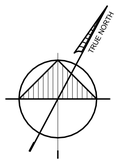

1 / B21 CRAWLSPACE PLAN WEST - LIGHTING

SCALE 1 : 100

KEY NOTES

1 MOUNT TOGGLE SWITCH ADJACENT ACCESS HATCH IN VISIBLE LOCATION.

GENERAL NOTES

A. WHERE NEW LIGHTING CONTROLS ARE ADJACENT EACH OTHER, PROVIDE GANGED DEVICE BOXES TO ACCOMMODATE TOTAL NUMBER OF CONTROLS, UNLESS NOTED OTHERWISE.
B. RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH 1850MM (6'-0 ") LONG FLEXIBLE METAL CONDUIT.
C. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS OF EXTERIOR OR INTERIOR LUMINAIRES. ALL MOUNTING HEIGHTS FOR LUMINAIRES ARE TO THE BOTTOM OF THE LUMINAIRE UNLESS NOTED OTHERWISE.
D. CONFIRM QUANTITY OF STAIRWELL LIGHTING FIXTURES WITH ARCHITECTURAL DRAWINGS. PROVIDE ONE LUMINAIRE PER STAIR LANDING.
E. EMERGENCY LIGHTING CIRCUIT SHALL BE FED FROM LOCAL AC/DC INVERTER SYSTEM. LUMINAIRES SHALL BE CONTROLLED BY RELAY TYPE CONTROL THAT SENSES LOSS OF NORMAL POWER AND CONTROLS THE FIXTURE SUCH THAT LUMINAIRE COMES ON TO 100%, LOCKING OUT ALL OTHER CONTROL UNTIL NORMAL POWER IS RESTORED.
F. COORDINATE LOCATION AND MOUNTING HEIGHT OF LUMINAIRES WITHIN CRAWLSPACE WITH ALL DISCIPLINES AND TRADES PRIOR TO INSTALLATION. LUMINAIRES SHALL BE MOUNTED BELOW STRUCTURE CLEAR OF BEAMS, MECHANICAL DUCTWORK AND PIPING TO MAXIMIZE LUMINAIRE PERFORMANCE.
G. RELOCATE EXISTING LIGHTING CONTROLS AS REQUIRED TO ACCOMMODATE NEW DOOR CONFIGURATIONS.
H. EVERY NLIGHT ENABLED DEVICE, INCLUDING NLIGHT ENABLED FIXTURES, IS FURNISHED WITH ONE PERMANENTLY ADHERED ID TAG AND ONE MATCHING PARTIALLY ADHERED ID TAG. DURING INSTALLATION AND PRIOR TO STARTUP, CONTRACTOR SHALL PLACE EACH ID TAG BELOW EACH CORRESPONDING DEVICE SHOWN ON RISER DIAGRAM OR FLOOR PLAN TO FACILITATE FACTORY STARTUP.
I. ONE RELAY PACK OR NLIGHT ENABLED FIXTURE IS NEEDED PER CIRCUIT ZONE TO BE CONTROLLED AND CAN RESIDE WITHIN SENSORS, WALLPODS, OR RELAY PACKS.
J. RECHECK COUNTS TO VERIFY THE NUMBER OF RELAYS NEEDED TO SWITCH ALL DESIRED LOADS.
K. ADDITIONAL BRIDGES AND/OR SENSORS MAY BE REQUIRED DEPENDING ON BUILDING CHANGES, FINAL PARTITION HEIGHT PLACEMENT, FURNITURE PLACEMENT, EQUIPMENT HEIGHT PLACEMENT, AND SHELVING HEIGHT PLACEMENT.
L. ALL DEVICES HAVE RJ45 FEMALE PORTS. MAKING NETWORK CONTROL CABLES IS REQUIRED. UTILIZE T568B TERMINATIONS.
M. ALL NETWORK CONTROL CABLES SHALL BE TESTED WITH A LAN CABLE TESTER TO VERIFY PROPER TERMINATIONS.
N. DAISYCHAINED DEVICES SHALL BE POWERED UP AND WORKING ON DEFAULT PROGRAMMING PRIOR TO CONNECTION TO BRIDGE OR GATEWAYS.
O. LOW VOLTAGE NETWORK CONTROL CABLE CAT5E RUNS FOR LOCAL ZONES HOMERUNS AND BACKBONE SHOULD BE WHITE WITH CABLES LABELED.
P. CONTRACTOR TO VERIFY BLINK DIAGNOSTIC CODES. MAXIMUM CABLE LENGTH FROM START DEVICE TO END DEVICE IS 1500 FEET INCLUDING HOMERUN TO BRIDGE DEVICE IF PRESENT.
Q. QUANTITY AND TYPE OF POWERPACKS ARE SUBJECT TO CHANGE DEPENDING ON CIRCUITRY OR DIMMING TYPE.
R. CONTRACTOR TO VERIFY THE SEQUENCE OF OPERATIONS HAS BEEN MET IN ALL SPACES PRIOR TO AN ORDER BEING PLACED.
S. CONFIRM BALLAST DRIVER TYPES MATCH CONTROLS SELECTED PRIOR TO AN ORDER BEING PLACED.
T. ALL DIMMING IS ASSUMED TO BE 0-10V UTILIZING nPP16 D POWERPACKS UNLESS USING NLIGHT ENABLED FIXTURES. VERIFY POWERPACK COMPATIBILITY WITH FINAL APPROVED LIGHTING FIXTURE PACKAGE PRIOR TO PLACING LIGHTING CONTROL ORDER.

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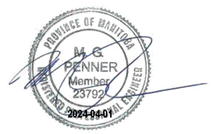
0	ISSUED FOR TENDER	JS/MP	24-04-01

SEAL



EW DRAWN	MP/KG CHECKED	KG DESIGNED	MP/KG 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
Underslab/Crawlspace West - Lighting Plan

SCALE	PROJECT No:	SHEET No:
As indicated	2020-127	EL2.0

DRAWING SHEET SIZE: A1 (594x841) PLOT 1:1
ESE 24049