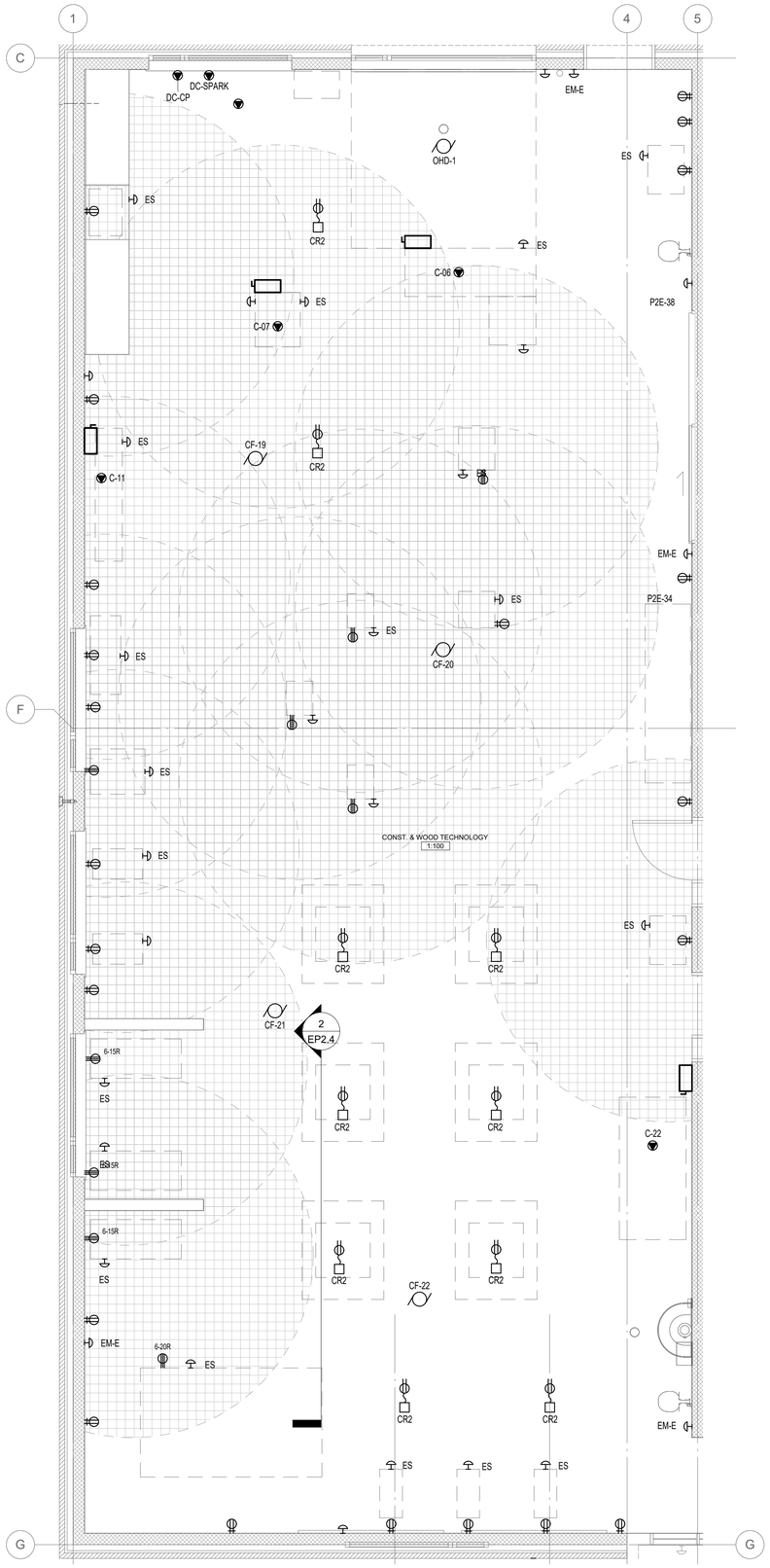


1 - EP2.4 MAIN FLOOR PLAN WEST - CSA HAZARD ZONES

SCALE 1 : 50

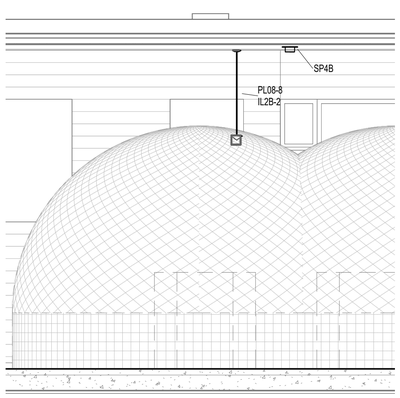
= ZONE 22 AREA

GENERAL NOTES

A. THE GENERAL NOTES AS HEREIN DESCRIBED APPLY TO THE ENTIRE CONSTRUCTION & WOOD TECHNOLOGY SPACE UNLESS SPECIFICALLY NOTED OTHERWISE.
B. EXPOSED WIRING SHALL UTILIZE EMT CONDUIT C/W WET LOCATION APPROVED COUPLINGS AND CONNECTORS.
C. EXPOSED BOXES AND FITTINGS SHALL BE IN ACCORDANCE WITH CEC 18-252(2).
D. SURFACE MOUNTED ENCLOSURES FOR EQUIPMENT DISCONNECTS SHALL BE SUITABLE FOR CIRCULATING DUST AS PER CEC TABLE-65.
E. RECEPTACLES SHALL BE EQUIPPED WITH SELF-CLOSING COVERS SUITABLE FOR WET LOCATION. WHERE DUPLEX RECEPTACLES ARE USED, PROVIDE, EACH SECTION OF THE RECEPTACLE WITH A SELF-CLOSING COVER.
F. LIGHTING FIXTURES INCLUDING EXIT SIGNAGE SHALL BE TYPE 4 LISTED.
G. HATCHED AREA IDENTIFIES ZONE 22 CLASSIFIED ELECTRICALLY HAZARDOUS LOCATION. UNLESS SPECIFICALLY NOTED OTHERWISE, ALL WIRING METHODS, DEVICES, AND EQUIPMENT WITHIN THESE AREAS SHALL BE SUITABLE FOR ZONE 22 REQUIREMENTS.

AREA CLASSIFICATION:
ZONE 22, GROUP IIIB
MATERIAL:
WOOD DUST. PARTICLE SIZE <30um
IGNITION TEMP = 260C

ASSUMPTIONS:
- GOOD HOUSEKEEPING ADHERED TO. CLEAN AS NECESSARY TO MAINTAIN LESS THAN 3MM (1/8") DUST LAYER.
- DUST COLLECTION SYSTEM INSTALLED AND INTERLOCKED WITH EQUIPMENT OPERATION. I.E. SIGNIFICANT DUST CREATING EQUIPMENT WILL NOT ENERGIZE UNLESS DUST COLLECTION SYSTEM IS OPERATING.
- WITHIN ZONE 22 AREA, NO VISIBLE DUST CLOUD WITH A DUST LAYER NOT EXCEEDING 3MM (1/8") UNDER NORMAL OPERATING CONDITIONS WITH DUST COLLECTOR.



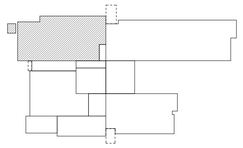
2 - EP2.4 CSA HAZARD ZONE SECTION

SCALE 1 : 50

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
Epp Siepman Engineering Inc.
No. 4035

This is a print of a document that has been electronically authenticated with technology authorized by the Engineers Geoscientists Manitoba. The original is in electronic form.

epp siepman engineering
400 - 136 Market Avenue
Winnipeg, MB R3B 0P4
T 204 453 1080

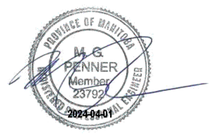


BUILDING KEYPLAN - MAIN
SCALE 1 : 2000

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 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
Main Floor West - CSA Hazard Zone Plan

SCALE	PROJECT No:	SHEET No:
As indicated	2020-127	EP2.4

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