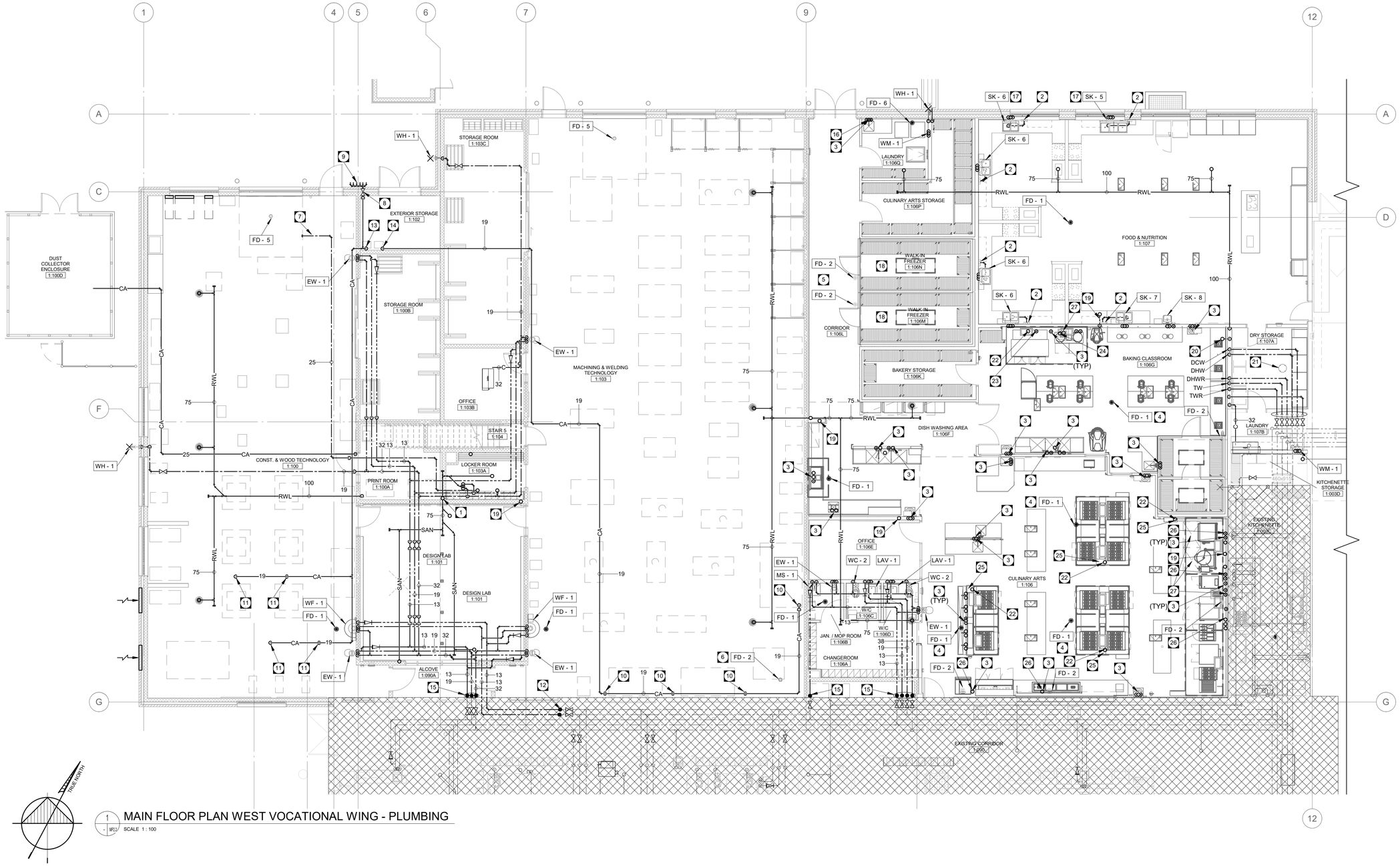

1 MAIN FLOOR PLAN WEST VOCATIONAL WING - PLUMBING
SCALE 1 : 100

KEY NOTES

1 DROP DOWN AND CONNECT TO SANITARY PIPE BLOW GRADE. SEE MP2.2 FOR CONTINUATION.
2 PROVIDE DOMESTIC HOT WATER AND DRAIN CONNECTIONS FOR DISHWASHER.
3 FIXTURE / EQUIPMENT BY KITCHEN CONSULTANT, REFER TO KITCHEN DRAWINGS. MECHANICAL TO PROVIDE PIPING AND CONNECTION TO KITCHEN EQUIPMENT / FIXTURE.
4 APPROXIMATE LOCATION SHOWN, COORDINATE EXACT LOCATION WITH ARCHITECTURAL AND KITCHEN EQUIPMENT LAYOUT.
5 FUNNEL FLOOR DRAINS TO SERVE WALK-IN COOLERS. COORDINATE FINAL LOCATION WITH KITCHEN SUBCONTRACTOR.
6 PROVIDE FUNNEL FLOOR DRAIN TO SERVE PLASMA CUTTER. COORDINATE WITH EQUIPMENT REQUIREMENTS.
7 PROVIDE DOMESTIC COLD WATER CONNECTION FOR DUST COLLECTOR SPARK ARREST SYSTEM.
8 COMPRESSED AIR PIPE SHALL DROP DOWN WITHIN BUILDING, PROVIDE 1/4 TURN SHUT-OFF VALVE AT LOW LEVEL WITHIN EXTERIOR STORAGE ROOM FOR SEASONAL SHUT-OFF.
9 PROVIDE COMPRESSED AIR PIPE MANIFOLD WITH SIX PUSH-ON TOOL CONNECTION TERMINALS ON EXTERIOR OF BUILDING FOR HAND TOOL USE OUTDOORS. PROVIDE CONDENSATE DRAIN OUTLET BELOW MANIFOLD COMPLETE WITH VALVE AND CAP.
10 13MM COMPRESSED AIR DROP TO CNC EQUIPMENT COMPLETE WITH ISOLATION VALVE COORDINATE WITH INSTALLER AND EQUIPMENT REQUIREMENTS.
11 PROVIDE COMPRESSED AIR DROPS AND HOSE REELS FOR CONNECTION TO HAND TOOLS. HOSE REELS BASED ON REELCRAFT 5635 OLP COMPLETE WITH 35FT. HOSE COORDINATE EXACT LOCATIONS WITH ARCHITECTURAL.
12 CONNECT TO EXISTING PLUMBING SUPPLIES AT THE POINTS SHOWN.
13 ROUTE SHOP COMPRESSED AIR FOR CONST. AND WOOD TECH TO STORAGE ROOM FOR CONNECTION TO SHOP AIR COMPRESSOR BY OTHERS. VALVE AND CAP.

KEY NOTES

14 ROUTE SHOP COMPRESSED AIR FOR MACHINING AND WELDING TECH TO STORAGE ROOM FOR CONNECTION TO SHOP AIR COMPRESSOR BY OTHERS. VALVE AND CAP.
15 CONNECT PLUMBING PIPING TO EXISTING WHERE CAPPED WITHIN EXISTING BUILDING.
16 ROUTE VENT UP WITHIN ADJACENT WALL.
17 ROUTE SNK VENT UP WITHIN CHASE BETWEEN CLERESTORY WINDOWS. COORDINATE WITH ARCHITECTURAL.
18 CONDENSATE PIPING AND HEAT TRACE FROM FREEZER/COOLER EVAPORATOR TO FUNNEL FLOOR DRAINS BY KITCHEN CONSULTANT.
19 PLUMBING VENT THROUGH ROOF.
20 GREASE INTERCEPTOR VENT THROUGH ROOF.
21 ACCESS HATCH FOR GREASE INTERCEPTOR MAINTENANCE FLUSH WITH FLOOR. COORDINATE WITH ARCHITECTURAL. PROVIDE ACCESS EXTENSIONS WITH INTERCEPTOR TO ACCOMMODATE.
22 BRING NATURAL GAS PIPING UP FROM CRAWLSPACE, COORDINATE EXACT LOCATION WITH KITCHEN EQUIPMENT SUBCONTRACTOR. INSTALL GAS SHUT-OFF VALVE IN MAIN GAS LINE. GAS SHUT-OFF IS BY KITCHEN EQUIPMENT SUBCONTRACTOR AND MUST BE INSTALLED IN AN ACCESSIBLE LOCATION. PROVIDE SHUT-OFF VALVE PIPE TO INDIVIDUAL PIECES OF COOKING EQUIPMENT AS PER KITCHEN CONSULTANT DRAWINGS.
23 PIPE TO WATER FILTER PROVIDED BY KITCHEN SUPPLIER. PROVIDE BYPASS AROUND FILTER AND SHUT-OFFS.
24 PIPE COLD WATER FROM WATER FILTER TO CONVECTION OVEN. PROVIDE DCVA BACKFLOW PREVENTION.
25 BRING SERVICE FOR NEARBY KITCHEN EQUIPMENT UP WITHIN SS SERVICE CHASE AND CONCEALED BY CHASE/CURB. CURBS AND CHASES BY KITCHEN EQUIPMENT SUBCONTRACTOR.
26 PROVIDE
27

PLUMBING FIXTURE UNITS SCHEDULE - VOC WING

FIXTURE TYPE		WEIGHT OF F.U. NPC	WEIGHT IN F.U. CITY OF WINNIPEG	NO. OF FIXTURES	COUNT NPC	COUNT CITY OF WINNIPEG
DW	1	2	3	6	12	18
LAV	1	1	1	2	2	2
MS	1	2	3	1	2	3
SK	7	2	3	1	2	3
SK	8	2	3	1	2	3
WC	2	4	8	2	8	16
WM	1	2	3	1	2	3
Grand total					30	48

PLUMBING FIXTURE SCHEDULE - VOC WING

MARK		DCW		DHW		SANITARY		VENT	
DW	1	0"	0 mm	3/4"	19 mm	1 1/4"	32 mm	1 1/4"	32 mm
EW	1	1/2"	13 mm	1/2"	13 mm	1 1/2"	38 mm	1 1/4"	32 mm
FD	1	0"	0 mm	0"	0 mm	3"	75 mm	1 1/2"	38 mm
FD	2	0"	0 mm	0"	0 mm	3"	75 mm	1 1/2"	38 mm
FD	5	0"	0 mm	0"	0 mm	4"	100 mm	1 1/2"	38 mm
FD	6	0"	0 mm	0"	0 mm	3"	75 mm	1 1/2"	38 mm
LAV	1	1/2"	13 mm	1/2"	13 mm	1 1/4"	32 mm	1 1/4"	32 mm
MS	1	1/2"	13 mm	1/2"	13 mm	3"	75 mm	1 1/4"	32 mm
SK	5	1/2"	13 mm	1/2"	13 mm	1 1/2"	38 mm	1 1/4"	32 mm
SK	6	1/2"	13 mm	1/2"	13 mm	1 1/2"	38 mm	1 1/4"	32 mm
SK	7	1/2"	13 mm	1/2"	13 mm	1 1/2"	38 mm	1 1/4"	32 mm
SK	8	1/2"	13 mm	1/2"	13 mm	1 1/2"	38 mm	1 1/4"	32 mm
WC	2	1 1/4"	32 mm	0"	0 mm	3"	75 mm	1 1/2"	38 mm
WF	1	1/2"	13 mm	1/2"	13 mm	1 1/2"	38 mm	1 1/4"	32 mm
WH	1	3/4"	19 mm	3/4"	19 mm	0"	0 mm	0"	0 mm
WM	1	1/2"	13 mm	1/2"	13 mm	2"	50 mm	1 1/4"	32 mm

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BUILDING KEYPLAN - MAIN
SCALE 1 : 2000

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t: 204.942.0681 lm-esp.ca

No.	REVISION/DESCRIPTION	BY	DATE
0	ISSUED FOR CONSTRUCTION	JS/MP	24-04-01

SEAL
PROVINCE OF MANITOBA
S.D. ELLENBERG
Member
31336
2024-04-01
REGISTERED PROFESSIONAL ENGINEER

DK	JS	JS	JS
DRAWN	CHECKED	DESIGNED	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 Vocational Wing - Plumbing Plan

SCALE	PROJECT No:	SHEET No:
As indicated	2020-127	MP2.2

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