



1 MAIN FLOOR PLAN - HVAC DEMO
SCALE: 1:100mm

KEY NOTES:

- 1 EXISTING BOILER (B-1) INCLUDING ASSOCIATED DRAIN LINES AND PIPING UP TO SHUTOFF VALVES TO BE REMOVED AND DISPOSED OF OFF SITE. EXISTING NATURAL GAS REGULATOR VALVE TO BE DEMOLISHED AND DISPOSED OF OFF SITE. EXISTING HEATING PUMPS (P-1 & 2) TO BE REMOVED AND DISPOSED OF OFF SITE. REMOVE A PORTION OF THE EXISTING FLUE STACK UP TO ROOF SERVING EXISTING BOILER AND HOT WATER TANK AND THE REMAINDER OF THE STACK TO ENCLOSE THE NEW FLUE GAS PIPING OF THE NEW BOILERS. REMOVE EXISTING 5 PSI GAS LINE AS REQUIRED TO FACILITATE NEW BOILERS INSTALLATION. REFER TO DRAWING M04 FOR PIPING SCHEMATIC.
- 2 EXISTING AIR HANDLING UNIT (AHU-1) INCLUDING DUCT FLEXIBLE CONNECTIONS AND ASSOCIATED PIPING UP TO SHUTOFF VALVES TO BE REMOVED AND DISPOSED OF OFF SITE TO SUIT NEW DUCTWORK AND PIPING. HYDRONIC PUMP (P-4) SERVING AHU-1 TO BE REMOVED AND REPLACED TO SUIT NEW COIL. REMOVE EXISTING AHU REMOTE O/A, R/A, RELIEF AIR DAMPERS CONTROLS AND ACTUATORS AND DISPOSE OF OFF SITE. REMOVE EXISTING AHU CONTROL PANEL AND WIRING. REMOVE ASSOCIATED OUTDOOR CONDENSING UNIT (CU-1) INCLUDING ALL REFRIGERANT PIPING. REFRIGERANT AND ENCLOSURE AND DISPOSE OF OFF SITE. DEMOLISH EXISTING PAD SERVING EXISTING CONDENSING UNIT.
- 3 REMOVE EXISTING EXHAUST FANS (EF-1-12 EXCLUDING EF-9) INCLUDING ASSOCIATED DUCTWORK FLEXIBLE CONNECTIONS AND VIBRATION ISOLATORS TO SUIT NEW EXHAUST FANS. EXISTING EXTERIOR HOODS AND GRILLES TO REMAIN. REMOVE EXISTING INTAKE AIR DAMPERS CONTROLS AND ACTUATORS AND DISPOSE OF OFF SITE. TYPICAL.
- 4 REMOVE EXISTING RADIANT HEATERS (BU-1-9) INCLUDING ASSOCIATED COMBUSTION AIR AND FLUE GAS PIPING FLEX CONNECTIONS AND NATURAL GAS PIPING UP TO SHUTOFF VALVES AND THERMOSTATS AND DISPOSE OF OFF SITE TO SUIT NEW RADIANT HEATERS.
- 5 REMOVE EXISTING UNIT HEATERS (UH-1&2) INCLUDING ASSOCIATED HOT WATER SUPPLY AND RETURN PIPING UP TO UNIONS AND SHUTOFF VALVES AND THERMOSTATS AND DISPOSE OF OFF SITE TO SUIT NEW UNIT HEATERS.
- 6 REMOVE EXISTING DOMESTIC HOT WATER TANK (HWT-1) INCLUDING ASSOCIATED PIPING UP TO SHUTOFF VALVES AND FLUE GAS DUCTWORK AND DISPOSE OF OFF SITE. EXISTING NATURAL GAS PIPING SERVING EXISTING HWT-1 TO BE CUT BACK TO MAIN AND CAPPED. RETAIN DOMESTIC WATER RECIRCULATION PUMP.
- 7 REMOVE EXISTING MAKEUP AIR UNIT SERVING THE PREVIOUS PAINT SPRAY BOOTH INCLUDING ASSOCIATED DUCTWORK, PIPING, CONTROLS AND SUPPORTS AND DISPOSE OF OFF SITE. BLANK OFF EXISTING 2400X2400 MM ACTIVE LOUVER SERVING EXISTING MUA-1 AND LEAVE THE 400X400 MM PORTION OF THE LOUVER ACTIVE. EXISTING 1120 MM Ø EXHAUST DUCTWORK TO BE CUT BACK TO THE ROOF AND CAP. EXISTING MAKEUP AIR PLATFORM TO BE REMOVED AND DISPOSED OF OFF SITE.

- 8 EXISTING HYDRONIC BASEBOARD HEATERS (B/B-1-8) AND FORCE FLOW HEATERS (FF-1-5) INCLUDING ALL ASSOCIATED UNIONS, SHUTOFF VALVES, THERMOSTATS AND CONTROL VALVES TO BE REMOVED AND DISPOSED OF OFF SITE. CUT SUPPLY AND RETURN PIPING BACK TO ALLOW INSTALLATION OF THE NEW BASEBOARD HEATERS. EXISTING HYDRONIC PIPING MAINS TO REMAIN AND TO BE FLUSHED.
- 9 EXISTING SEWAGE PUMPS (PU-4 & 5) TO REMAIN.
- 10 ALL EXISTING MOTORIZED DAMPERS AND ACTUATORS WITHIN THE FACILITY TO BE REPLACED. REFER TO SCHEDULE FOR SIZES. CONTRACTOR TO CONFIRM SIZES ON SITE PRIOR TO ORDERING.
- 11 REMOVE EXISTING ELECTRIC HUMIDIFIER INCLUDING ALL WIRING AND CONTROLS AND DISPOSE OFF OF SITE.
- 12 EXISTING CEILING FANS (CF-1-6) INCLUDING CONTROLS TO BE REMOVED OF OFF SITE. RETAIN EXISTING WIRING.
- 13 EXISTING 300X300 MM OPEN ENDED COMBUSTION INTAKE TO BE DEMOLISHED. EXISTING 900Ø MM PLENUM ATTACHED TO THE EXISTING LOUVER TO BE MODIFIED TO SUIT NEW COMBUSTION AIR INTAKE DUCTWORK.
- 14 EXISTING BASEBOARD HEATERS (B/B (8)) ARE LOCATED BELOW THE SHOWER BENCHES WITHIN MEN'S & WOMEN'S CHANGE ROOMS (1.08 & 1.06 RESPECTIVELY). CONTRACTOR TO CAREFULLY DETACH AND REATTACH THE SHOWER BENCHES DURING RENOVATION WORK.
- 15 EXISTING EXPANSION TANK INCLUDING ASSOCIATED PIPING AND VALVES TO BE DEMOLISHED AND REMOVED OFF SITE.
- 16 EXISTING CHEMICAL FEEDER INCLUDING ASSOCIATED PIPING UP TO SHUTOFF VALVES TO BE DEMOLISHED AND REMOVED OFF SITE.
- 17 EXISTING PIPE FLUSHING: (REFERENCE DRAWINGS W-M2 & W-M4) ALL EXISTING HYDRONIC PIPING AND EQUIPMENT SHALL BE FLUSHED PRIOR TO DEMOLITION TO REMOVE SLUDGE. THE PIPING SHALL BE FLUSHED A SECOND TIME AFTER NEW PIPING AND EQUIPMENT IS INSTALLED. PROVIDE CHEMICAL TREATMENT. REFER TO SPECIFICATIONS.

SCALE VERIFIED BY: *[Signature]*



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MANITOBA
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Client _____ client

DFO CENTRAL AND ARCTIC REGION

CANADIAN COAST GUARD BASE

Project **SELKIRK, MANITOBA** Projet

HVAC REFURBISHMENT

Designed by **MJ** Conçu par

Drawn by **MJ** Dessiné par

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