SYMBOL LEGEND - FIRE PROTECTION

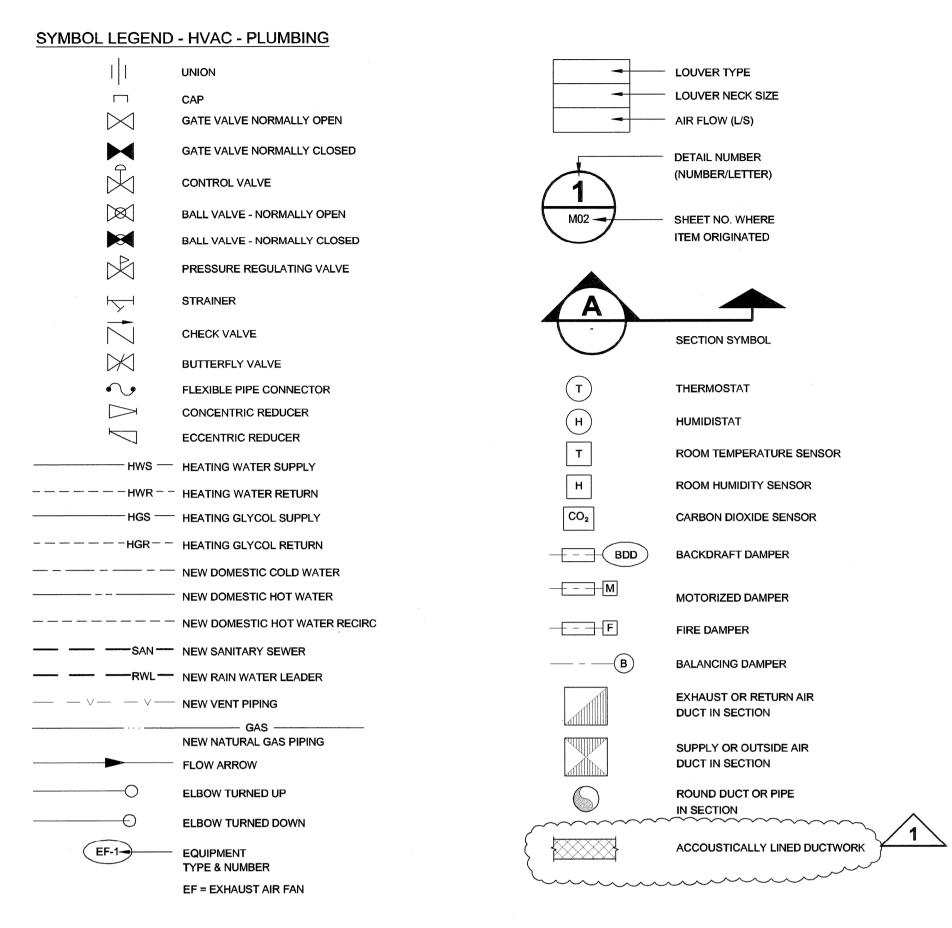
FLOW SWITCH

PRESURE GAUGE

ALARM CHECK VALVE

PRESSURE SWITCH

VALVE WITH TAMPER SWITCH



GENERAL NOTES:

- 1. DIMENSIONS AND BUILDING ORIENTATION SHOWN ON THE DRAWING ARE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE TO VERIFY EQUIPMENT/BUILDING LOCATIONS AND DIMENSIONS ON SITE.
- 2. PATCH ALL OPENINGS REMAINING AFTER EQUIPMENT, DUCT, OR PIPING INSTALLATION/REMOVALS. PATCHING TO ACHIEVE COLOUR MATCHED FINISH OF LIKE MATERIALS TO THE SURROUNDING SURFACE MATERIAL.

CONTRACTOR SHALL SUPPLY GALVANIZED STEEL SHEET METAL AND SLEEVES FOR EQUIPMENT PENETRATING THE WALL.

- 3. CUT ALL NEW OPENINGS REQUIRED FOR NEW INSTALLATIONS OR DEMOLITION WORK USING DUE CARE AND APPROPRIATE TOOLS AND METHODS TO MAINTAIN THE INTEGRITY OF THE STRUCTURE/ASSEMBLY IN WHICH THE OPENING IS BEING CUT. MECHANICAL
- 4. ELECTRICALLY ISOLATE ALL DISSIMILAR METALS.
- 5. PROVIDE ADDITIONAL FRAMING AT ALL WALL PENETRATIONS.
- 6. PERFORM ALL WORK IN CO-ORDINATION WITH ALL OTHER TRADES AND CONTRACTORS. PROVIDE COMPLETE FUNCTIONAL AND
- 7. CONTRACTOR IS RESPONSIBLE FOR TAKING OUT PERMITS AND PAYING ALL FEES RELATED TO DEMOLITION/MODIFICATION OF THE EXISTING MECHANICAL, TANK AND FUEL SYSTEMS, CONSTRUCTION, MODIFICATION AND INSTALLATION OF NEW SYSTEMS.
- 8. DEMOLITION/MODIFICATION/DISPOSAL/INSTALLATION OF MECHANICAL WHICH INVOLVE NATURAL GAS PIPING AND EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH THE MANITOBA FIRE CODE, REGULATIONS, INDUSTRY STANDARDS AND LOCAL BYLAWS.
- 9. USE SKILLED AND LICENSED LABOURERS AND JOURNEYMEN TO PERFORM ALL WORK.
- 10. ALL WASTE IS TO BE DISPOSED OFF SITE IN AN APPROVED FACILITY LICENSED TO ACCEPT SUCH WASTE.
- 11. CONTRACTOR IS RESPONSIBLE TO REMOVE ANY CONTAMINATED OR HAZARDOUS WASTE/REFUSE, WHICH IS CAUSED BY THIS CONSTRUCTION WORK, AND TO DISPOSE THEM OFF SITE AS PER CODE.
- 12. CONTRACTOR TO PROVIDE PROTECTION TO OWNER EQUIPMENT DURING CONSTRUCTION. WORK WITH EXTREME CARE AROUND
- 13. COORIDINATE THE TIMING, DURATION AND SAFETY REQUIREMENTS FOR SHUT-DOWNS TO ALLOW PIPING TIE-INS AND WORK IN HAZARDOUS ATMOSPHERE WITH THE CITY OF WINNIPEG PLANNING, PROPERTY & DEVELOPMENT DEPARTMENT.

DESIGN CONDITIONS:

35 kPa (5 PSIG) GAS SERVICE: TOTAL = 4400 kW (15.0 MMBH) NORTH MECH ROOM 1175 kW (4.0 MMBH) SOUTH MECH ROOM 1175 kW (4.0 MMBH) ROOF TOP 880 kW (3.0 MMBH) **FUTURE** 440 kW (1.5 MMBH) GARAGE AREA 730 kW (2.5 MMBH)

AHU: SIZED FOR COOLING & VENTILATION HEATING PERIMETER HEATING: SIZED FOR 100% OF ENVELOPE LOSSES

