



# MECHANICAL LEGEND & SYMBOLS

PLUMBING	
DIRECTION OF FLOW	→
SANITARY ABOVE SLAB	— SAN —
BELOW SLAB	— SAN —
PUMPED	— PSAN —
VENT	
DOMESTIC COLD WATER	— CW —
FEW COLD WATER	— FEW —
DOMESTIC HOT WATER	— HW —
DOMESTIC HOT WATER RECIRC.	— HW REC —
OIL VENT	— OV —
NON FREEZE HOSE BIBB	— HB —
CLEANOUT PLUG	— CO —
FLOOR DRAIN	— FD —
FUNNEL FLOOR DRAIN	— FFD —
TRAP SEAL PRIMER	— TSP —
INDIRECT DRAIN	— ID —
FUEL OIL FILL	— FO —
FUEL OIL SUPPLY	— FOS —
FUEL OIL RETURN	— FOR —
FIRE EXTINGUISHER	— FE —
FUEL OIL DEGRATER	— FD —
LIQUID HEAT TRANSFER	
SCHEDULED HEATING SUPPLY	— HWS —
RETURN	— HRS —
PRIMARY HEATING SUPPLY	— PHWS —
RETURN	— PHRS —
REHEAT WATER SUPPLY	— RHWS —
RETURN	— RHRS —
GLYCOL SUPPLY	— GLS —
RETURN	— GLR —

PIPE FITTINGS	
PIPE ANCHOR & GUIDES	—
EXPANSION JOINT	—
AIR VENT MANUAL	—
AUTOMATIC	—
AQUA-STAT	—
FLOW SWITCH	—
NEEDLE VALVE	—
BACKWATER VALVE	—
VACUUM BREAKER	—
CONCENTRIC REDUCER	—
ECCENTRIC REDUCER	—
REDUCED PRESSURE B/P	—
LOCKSHIELD VALVE	—
SUCTION DIFFUSER	—
CIRCUIT BALANCING VALVE	—
ARM CHECK VALVE	—
PLUG VALVE	—
PUMP (SCHEMATIC)	—
DUCT DIMENSIONING	
ROUND DUCT	— 300 —
RECTANGULAR DUCT	— 300x200 —
SINGLE LINE DUCT REPRESENTATION	— 300x200 —
MATERIALS AND EQUIPMENT TO BE REMOVED	
RECTANGULAR DUCT	— 300 —
SINGLE LINE DUCT REPRESENTATION	— 300x200 —
MATERIALS AND EQUIPMENT TO BE REMOVED	—

PIPE FITTINGS	
SUCTION GUIDE	—
FLUTEX CHECK/SHUT-OFF VALVE	—
FLOW CONTROL REGULATOR	—
RELIEF VALVE	—
O.S. & Y VALVE	—
NEEDLE VALVE	—
BACKWATER VALVE	—
VACUUM BREAKER	—
CONCENTRIC REDUCER	—
ECCENTRIC REDUCER	—
REDUCED PRESSURE B/P	—
LOCKSHIELD VALVE	—
SUCTION DIFFUSER	—
CIRCUIT BALANCING VALVE	—
ARM CHECK VALVE	—
PLUG VALVE	—
PUMP (SCHEMATIC)	—
DUCT DIMENSIONING	
ROUND DUCT	— 300 —
RECTANGULAR DUCT	— 300x200 —
SINGLE LINE DUCT REPRESENTATION	— 300x200 —
MATERIALS AND EQUIPMENT TO BE REMOVED	
RECTANGULAR DUCT	— 300 —
SINGLE LINE DUCT REPRESENTATION	— 300x200 —
MATERIALS AND EQUIPMENT TO BE REMOVED	—

PIPE FITTINGS	
SUCTION GUIDE	—
FLUTEX CHECK/SHUT-OFF VALVE	—
FLOW CONTROL REGULATOR	—
RELIEF VALVE	—
O.S. & Y VALVE	—
NEEDLE VALVE	—
BACKWATER VALVE	—
VACUUM BREAKER	—
CONCENTRIC REDUCER	—
ECCENTRIC REDUCER	—
REDUCED PRESSURE B/P	—
LOCKSHIELD VALVE	—
SUCTION DIFFUSER	—
CIRCUIT BALANCING VALVE	—
ARM CHECK VALVE	—
PLUG VALVE	—
PUMP (SCHEMATIC)	—
DUCT DIMENSIONING	
ROUND DUCT	— 300 —
RECTANGULAR DUCT	— 300x200 —
SINGLE LINE DUCT REPRESENTATION	— 300x200 —
MATERIALS AND EQUIPMENT TO BE REMOVED	
RECTANGULAR DUCT	— 300 —
SINGLE LINE DUCT REPRESENTATION	— 300x200 —
MATERIALS AND EQUIPMENT TO BE REMOVED	—

PIPE FITTINGS	
SUCTION GUIDE	—
FLUTEX CHECK/SHUT-OFF VALVE	—
FLOW CONTROL REGULATOR	—
RELIEF VALVE	—
O.S. & Y VALVE	—
NEEDLE VALVE	—
BACKWATER VALVE	—
VACUUM BREAKER	—
CONCENTRIC REDUCER	—
ECCENTRIC REDUCER	—
REDUCED PRESSURE B/P	—
LOCKSHIELD VALVE	—
SUCTION DIFFUSER	—
CIRCUIT BALANCING VALVE	—
ARM CHECK VALVE	—
PLUG VALVE	—
PUMP (SCHEMATIC)	—
DUCT DIMENSIONING	
ROUND DUCT	— 300 —
RECTANGULAR DUCT	— 300x200 —
SINGLE LINE DUCT REPRESENTATION	— 300x200 —
MATERIALS AND EQUIPMENT TO BE REMOVED	
RECTANGULAR DUCT	— 300 —
SINGLE LINE DUCT REPRESENTATION	— 300x200 —
MATERIALS AND EQUIPMENT TO BE REMOVED	—

AIR DISTRIBUTION	
SUPPLY AIR (S/A)	—
RETURN AIR (R/A)	—
EXHAUST AIR (E/A)	—
OUTSIDE AIR (O/A)	—
BALANCING DAMPER	—
BACKDRAFT DAMPER	—
FIRE DAMPER	—
SMOKE DAMPER	—
MOTORIZED DAMPER	—
TURNING VANES	—
ACOUSTIC LINED DUCTWORK	—
FLEXIBLE DUCTWORK	—
AIR OUTLET TAG	
SUPPLY	—
RETURN	—
EXHAUST	—
TRANSFER	—
LOUVER	—

AIR DISTRIBUTION	
SUPPLY AIR (S/A)	—
RETURN AIR (R/A)	—
EXHAUST AIR (E/A)	—
OUTSIDE AIR (O/A)	—
BALANCING DAMPER	—
BACKDRAFT DAMPER	—
FIRE DAMPER	—
SMOKE DAMPER	—
MOTORIZED DAMPER	—
TURNING VANES	—
ACOUSTIC LINED DUCTWORK	—
FLEXIBLE DUCTWORK	—
AIR OUTLET TAG	
SUPPLY	—
RETURN	—
EXHAUST	—
TRANSFER	—
LOUVER	—

PLUMBING FIXTURE TAG	
WATER CLOSET	WC
LAUNDRY	U
SINK	SK
DRINKING FOUNTAIN	DF
MOP/ANDER SINK	MS
SHOWER	SH
EYE WASH	EW
EMERGENCY SHOWER	ES
EQUIPMENT FIXTURE TAG	
FANS	SF
SUPPLY RETURN	RF
EXHAUST	EF
PREHEAT COILS	PHC
REHEAT COILS	RHC
HEATING COILS	HC
FORCE FLOW UNIT	FF
UNIT HEATER	UH
WALL FIN RADIATION	WF
PUMP	P
SILENCER	SL
TANK	TK
HEAT EXCHANGER	HE
DOMESTIC WATER HEATER	DWH
AIR FILTER	AF
BOILER	B
AIR HANDLING UNIT	AHU
MAKE-UP AIR UNIT	MUA
GLYCOL COIL	GC
CABINET UNIT HEATER	CUH
FAN COIL	FC

PLUMBING FIXTURE TAG	
WATER CLOSET	WC
LAUNDRY	U
SINK	SK
DRINKING FOUNTAIN	DF
MOP/ANDER SINK	MS
SHOWER	SH
EYE WASH	EW
EMERGENCY SHOWER	ES
EQUIPMENT FIXTURE TAG	
FANS	SF
SUPPLY RETURN	RF
EXHAUST	EF
PREHEAT COILS	PHC
REHEAT COILS	RHC
HEATING COILS	HC
FORCE FLOW UNIT	FF
UNIT HEATER	UH
WALL FIN RADIATION	WF
PUMP	P
SILENCER	SL
TANK	TK
HEAT EXCHANGER	HE
DOMESTIC WATER HEATER	DWH
AIR FILTER	AF
BOILER	B
AIR HANDLING UNIT	AHU
MAKE-UP AIR UNIT	MUA
GLYCOL COIL	GC
CABINET UNIT HEATER	CUH
FAN COIL	FC

No.	Date	Description
B	2004 10/15	ISSUED FOR 95% REVIEW
A	2004 08/13	ISSUED FOR 50% REVIEW

REVISIONS

Design SDK  
Drawn E.J.L.

Director  
Chief

**CITY OF IQALUIT**  
**WASTEWATER**  
**TREATMENT PLANT**

**EXISTING FLOOR PLANS**  
**DEMOLITION & LEGEND**

**MECHANICAL**

Scale 1:75	Project No.	Date
75360		30.07.04
Drawing No. <b>M1-01</b>	Revision <b>B</b>	