

FILE NAME: XXXXXXXX-XX10.dwg | DATE: 2008.08.31 | DESCRIPTION: LEGENDS AND ABBREVIATIONS | PROJECT No: 105111 | ADDRESS: 457 MAIN STREET

NOTES :

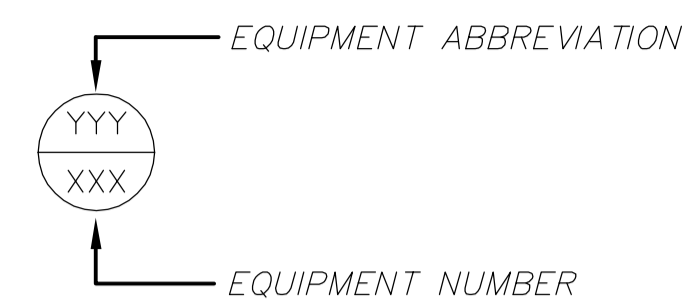
PIPING IDENTIFICATION

DESCRIPTION	LINE SYMBOL	DESCRIPTION	LINE SYMBOL
DOMESTIC COLD WATER		GLYCOL HEATING SUPPLY	GWS
DOMESTIC HOT WATER		GLYCOL HEATING RETURN	GWR
DOMESTIC HOT WATER RECIRC.		HOT WATER SUPPLY	HWS
		HOT WATER RETURN	HWR
SANITARY	S	CHILLED WATER SUPPLY	CHWS
SANITARY (BURIED)	S	CHILLED WATER RETURN	CHWR
SANITARY VENT	V	CHILLED GLYCOL SUPPLY	CHGS
STORM	ST	CHILLED GLYCOL RETURN	CHGR
STORM (BURIED)	ST	CONDENSER GLYCOL SUPPLY	CGS
		CONDENSER GLYCOL RETURN	CGR
COMPRESSED AIR	CA		
COMPRESSED AIR (BURIED)	CA		

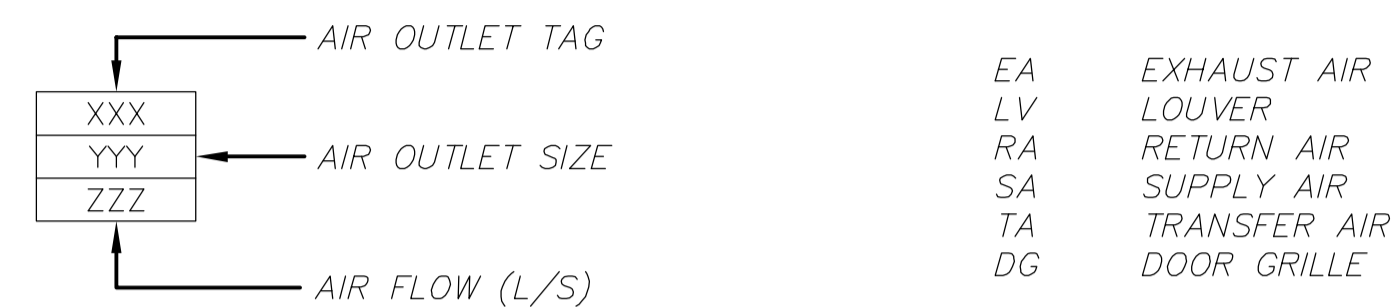
MECHANICAL EQUIPMENT ABBREVIATIONS LIST

AS	AIR SEPARATOR	MUA	MAKE-UP AIR UNIT
BFP	BACK FLOW PREVENTOR	PHC	PREHEAT COIL
DCW	DOMESTIC COLD WATER	SF	SUPPLY FAN
DHW	DOMESTIC HOT WATER	UH	UNIT HEATER
EF	EXHAUST FAN		
ET	EXPANSION TANK		
FD	FLOOR DRAIN		
GFT	GLYCOL FILL TANK		
HP	HEAT PUMP		
HX	HEAT EXCHANGER		
HWT	HOT WATER TANK		

EQUIPMENT IDENTIFICATION



AIR OUTLET IDENTIFICATION



VALVE AND PIPE FITTING SYMBOLS

DESCRIPTION	TAG	SYMBOL	DESCRIPTION	SYMBOL
BALL	BA	IOI OR IØI	PIPE DROP	
BUTTERFLY	BU		PIPE RISER	
			PIPE TEE DOWN	
PRESSURE REDUCING	PRV		FLOOR DRAIN	
			FUNNEL FLOOR DRAIN	
T&P SAFETY	SF		HUB DRAIN	
			ROOF DRAIN	
REDUCED PRESSURE BFP			UNION	
			FLANGE	
TRIPLE DUTY VALVE			CLEANOUT	
			CONCENTRIC REDUCER	
2-WAY CONTROL VALVE	CV		ECCENTRIC REDUCER	
			STRAINER	
3-WAY MOTORIZED CONTROL VALVE	MCV		CAP	
			FLOW DIRECTION	
CIRCUIT SETTER	CS		AUTOMATIC AIR VENT	
			MANUAL AIR VENT	
SUCTION DIFFUSER	SD			
			PRESSURE GAUGE	
CHECK VALVE	CV		THERMOMETER W/ WELL	

CONTROL SYMBOLS

DESCRIPTION	SYMBOL
THERMOSTAT	
HUMIDISTAT	
SWITCH	
TEMPERATURE SENSOR	
TEMPERATURE TRANSMITTER	
FREEZE STAT	
DISCONNECT SWITCH	
MOTOR	
ACTUATOR	
CURRENT SENSING RELAY	
PRESSURE SENSOR	
FLOW SWITCH	
LIMIT SWITCH	
SMOKE DETECTOR	
CARBON MONOXIDE SENSOR	
BACK DRAFT DAMPER	
CARBON DIOXIDE SENSOR	
SCR ELECTRIC HEATING COIL INTERLOCK	
THREE PHASE WIRING BY OTHERS (N.I.C.)	
SINGLE PHASE WIRING BY DIVISION 26.	
CONTROL WIRING BY DIVISION 23.	
CONTROL WIRING (LOW VOLTAGE)	
CONTROL WIRING (LINE VOLTAGE)	
LOW WATER CUT OFF DEVICE	

EQUIPMENT SYMBOLS

DESCRIPTION	SYMBOL
FAN	

FIRE PROTECTION EQUIPMENT ABBREVIATIONS LIST

FE	FIRE EXTINGUISHER
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FIRE PROTECTION SYMBOLS

SPRINKLER HEADS	SYMBOL	DESCRIPTION	SYMBOL
UPRIGHT		FIRE HOSE CABINET	FHC
PENDANT		FIRE DEPARTMENT CONNECTION	
SIDE WALL		FIRE EXTINGUISHER	
DRY			

DEMOLITION SYMBOLS

	DOUBLE LINED PIPING	SINGLE LINE PIPING	EQUIPMENT
TO BE REMOVED			
TO REMAIN			

DUCTWORK SYMBOLS

DESCRIPTION	UP	DOWN	DAMPERS	SYMBOL
ROUND DUCT			BALANCING DAMPER	
SUPPLY AIR			BACKDRAFT DAMPER	
RETURN AIR			FIRE DAMPER	
EXHAUST AIR			MOTORIZED DAMPER	
AIR FLOW DIRECTION			FLEXIBLE DUCTWORK	
			ACOUSTICALLY LINED DUCTWORK	

MECHANICAL DRAWING LIST

DRAWING No.	DRAWING TITLE
M01	MECHANICAL LEGEND AND ABBREVIATIONS
M02	BASEMENT AND 11th FLOOR - MECHANICAL LAYOUTS
M03	MAIN FLOOR - MECHANICAL LAYOUT AND DETAILS
M04	SECOND FLOOR - MECHANICAL LAYOUT AND DETAILS
M05	BASEMENT - MECHANICAL/ELECTRICAL ROOM LAYOUTS
M06	MECHANICAL ROOM HYDRONIC SCHEMATIC
M07	HYDRONIC SCHEMATIC - HEATING LOOPS
M08	MECHANICAL DETAILS AND SECTIONS

NO.	ISSUED FOR TENDER	DL	2008.11.28
	REVISION/DESCRIPTION	BY	DATE

EARTH TECH | AECOM

DRAWN BY	DL	CHECKED BY	PVL	APPROVED	PVL
DATE	2008.08.31	USER APPROVAL			

Winnipeg CITY OF WINNIPEG
PLANNING, PROPERTY AND DEVELOPMENT DEPARTMENT
CIVIC ACCOMMODATIONS DIVISION
300 - 65 GARRY ST. R3C 4K4

PROJECT
CONFEDERATION BUILDING
SUPPLEMENTARY HEATING UPGRADES
PHASE 1 - CITY BID OPP. NO. 757-2008
457 MAIN STREET, WINNIPEG, MANITOBA

SHEET TITLE
**MECHANICAL
LEGEND AND ABBREVIATIONS**



APEGM
Certificate of Authorization
Earth Tech Canada Inc.
No. 730 Expiry: April 30, 2009

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SCALE	PROJECT NO.	SHEET NO.
NTS	105111	M01

DRAWING SHEET SIZE: A1 (841mm x 594mm) PLOT 1:1