

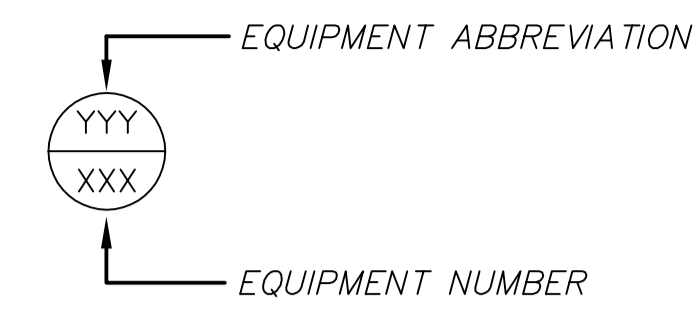
PIPING IDENTIFICATION

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
COMPRESSED AIR	CA	CONDENSER GLYCOL RETURN	CGR
COMPRESSED AIR (BURIED)	CA		

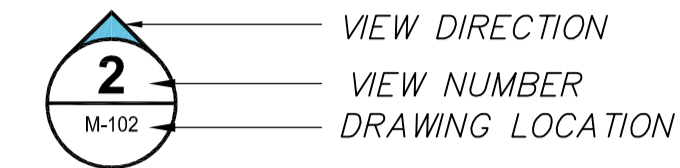
MECHANICAL EQUIPMENT ABBREVIATIONS LIST

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		

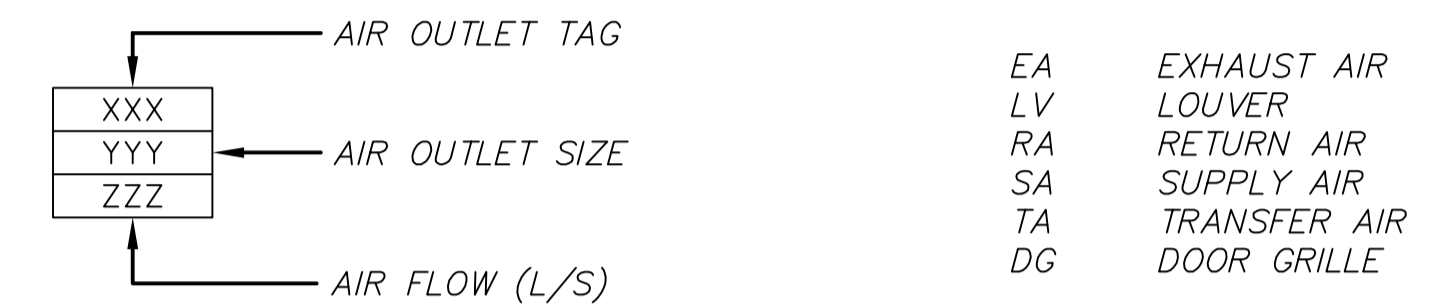
EQUIPMENT IDENTIFICATION



VIEW DIRECTION IDENTIFICATION



AIR OUTLET IDENTIFICATION

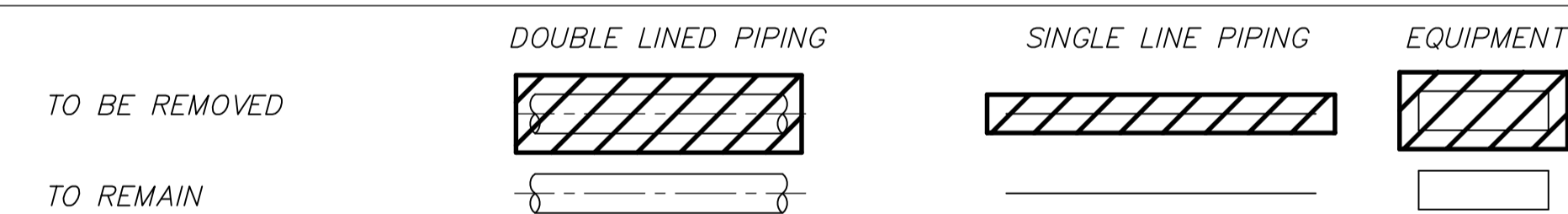


VALVE AND PIPE FITTING SYMBOLS

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

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	

DEMOLITION SYMBOLS



MECHANICAL DRAWING LIST

DRAWING No.	DRAWING TITLE
M-001	MECHANICAL - LEGEND AND ABBREVIATIONS
M-101	MECHANICAL - MAIN FLOOR AND ROOF - DEMOLITION PLANS
M-102	MECHANICAL - MAIN FLOOR - MECHANICAL ROOM PLAN
M-103	MECHANICAL - BASEMENT AND ROOF PLANS
M-501	MECHANICAL - SCHEMATICS
M-502	MECHANICAL - SCHEMATICS AND DETAILS

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	
	OR		ACOUSTICALLY LINED DUCTWORK	

NOTES:

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No.	REVISION/DESCRIPTION	BY	DATE
0	ISSUED FOR TENDER	DJP	2010.07.02

SEAL

DRAWN	GT	CHECKED	DC	DESIGNED	DC	APPROVED	PVL
DATE	2010.06.14	USER					

THE CITY OF WINNIPEG  
PLANNING, PROPERTY AND  
DEVELOPMENT DEPARTMENT  
MUNICIPAL ACCOMMODATIONS DIVISION  
3-65 GARRY STREET, R3C 4K4

PROJECT  
CONFEDERATION BUILDING  
BOILER REPLACEMENT  
CITY PROJ. NO. 2010-023  
457 MAIN STREET, WINNIPEG, MANITOBA

SHEET TITLE

MECHANICAL  
LEGENDS AND ABBREVIATIONS

DRN	CHK	DES	ENG	IDR

SCALE	PROJECT No:	SHEET No:
NTS	60154740	M-001