

# MECHANICAL SYMBOLS

## APPENDIX E-1

FILE NAME	SYMBOL	DESCRIPTION	FILE NAME	SYMBOL	DESCRIPTION	FILE NAME	SYMBOL	DESCRIPTION
M001		*FD - FLOOR DRAIN *FS - FLOOR SINK *RD - ROOF DRAIN	M018		BALL VALVE	M066		TEMP GAUGE WITH VALVE
M002		PENDENT SPRINKLER HEAD	M019		BUTTERFLY VALVE	M067		METER
M003		SIDEWALL HEAD	M020		CHECK VALVE	M068		CARBON DIOXIDE SUPPRESSION SYSTEM
M004		UPRIGHT SPRINKLER HEAD	M021		CONTROL VALVE (TWO WAY)	M069		FIRE PROTECTION POST INDICATING VALVE NUMBER
M005		UPRIGHT SPRINKLER HEAD AND PENDENT HEAD BELOW	M022		CONTROL VALVE (3-WAY)	M070		BLOCK VALVE NUMBER - FIRE HYDRANT NUMBER
M006		ALARM VALVE	M023		DIAPHRAM VALVE	M071		WATER SYSTEM BLOCK VALVE NUMBER
M007		DRY-PIPE VALVE	M024		GATE VALVE	M072		NOT USED
M008		DELUGE VALVE	M025		GATE VALVE (ANGLE)	M073		KEY BOX
M009		PRE-ACTION VALVE	M026		GATE VALVE (OS & Y)	M074		CAP OR PLUG
M010		FIRE DEPARTMENT CONNECTION	M027		GLOBE VALVE	M075		FLEXIBLE MECHANICAL COUPLING
M011		FIRE DEPARTMENT CONNECTION FREE STANDING	M028		GLOBE VALVE (ANGLE)	M076		RIGID MECHANICAL COUPLING
M012		BUILDING FIRE CONTROL PANEL	M029		HOSE BIBB W/VAC BREAKER	M077		ELBOW - TURNED UP
M013		HALON CONTROL PANEL	M030		NEEDLE VALVE	M078		ELBOW - TURNED DOWN
M014		FIRE HYDRANT	M031		PLUG VALVE COCK	M079		FLANGE CONNECTION
M015		POST INDICATOR VALE	M032		PRESSURE REDUCING VALVE	M080		REDUCER - CONCENTRIC
M016		EP - ELECTRIC-PNEUMATIC SWITCH PE - PNEUMATIC-ELECTRIC SWITCH SP - DUCT STATIC PRESSURE SENSOR FS - FLOW SWITCH FT - WATER FLOW SENSOR/TRANSMITTER TT - TEMPERATURE SENSOR/TRANSMITTER PS - PRESSURE SWITCH PT - PRESSURE SENSOR/TRANSMITTER TS - TAMPER SWITCH	M033		RELIEF OR SAFETY VALVE	MDB1		REDUCER - ECCENTRIC - BOTTOM OF PIPE LEVEL
			M034		SOLENOID VALVE	MDB2		REDUCER - ECCENTRIC - TOP OF PIPE LEVEL
			M035		CAP	MDB3		TEE - OUTLET UP
			M036		BALANCING VALVE	MDB4		TEE - OUTLET DOWN
			M037 TO M049		NOT USED (UNINTENTIONALLY)	MDB5		UNION
			M050		AUTOMATIC AIR VENT	MDB6		END OF PIPE
			M051		MANUAL AIR VENT	MDB7		DIRECTION OF FLOW
			M052		BACKFLOW PREVENTER	MDB8		PITCH PIPING DOWN
			M053		FLOOR CLEANOUT	MDB9		MECHANICAL EQUIPMENT DESIGNATION
			M054		WALL CLEAN OUT			
			M055		END OF PIPE CLEAN OUT			
			M056		EXPANSION JOINT			
			M057		EXPANSION LOOP			
			M058		FLEXIBLE PIPE CONNECTION			
			M059		PIPE ANCHOR			
			M060		PRESSURE GAUGE WITH VALVE			
			M061		STEAM TRAP			
			M062		STRAINER			
			M063		STRAINER W/BLOW-OFF VALVE			
			M064		THERMOMETER			
			M065		TEST PLUG (PRESS/TEMP)			

ITEM NO.	LOCATION	QUANTITY	DESCRIPTION	MANUFACTURER OR APPROVED EQUAL	DATE
1		1	TEMP GAUGE WITH VALVE		