



**LEGEND**

AFF	ABOVE FINISHED FLOOR	MD	MOTORIZED DAMPER
AP	ACCESS PANEL	NIC	NOT IN CONTRACT
BDD	BACK DRAFT DAMPER	NC	NORMALLY CLOSED
BFF	BELOW FIXED FLOOR	NO	NORMALLY OPEN
CA	COMPRESSED AIR	NP	NOT POTABLE
CO	CLEAN OUT	OAT	OUTDOOR AIR TEMPERATURE SENSOR
DHW	DOMESTIC HOT WATER	PC	PLUMBING CONTRACTOR
DG	DOOR GRILLE	POC	POINT OF CONNECTION
DCVA	DOUBLE CHECK VALVE ASSEMBLY	PRV	PRESSURE REDUCING VALVE
DTE	DOUBLE TIER ELEMENT	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
(E)	EXISTING	SD	SMOKE DAMPER
EC	ELECTRICAL CONTRACTOR	SOV	SHUT OFF VALVE
EGO	EMERGENCY GAS SHUT OFF	SS	SOLAR SUPPLY PIPING
FC	FAN COIL	SR	SOLAR RETURN PIPING
FCW	FILTERED COLD WATER	TDV	TRIPLE DUTY VALVE
FS	FLOOR SWEEP	TS	TIME SWITCH
GC	GENERAL CONTRACTOR	TYP	TYPICAL
HC	HEATING COIL	U/C	UNDERCUT DOOR (BY GC)
HTHW	HEAT TRACE HOT WATER	V	VENT
KEC	KITCHEN EQUIPMENT CONTRACTOR	VTR	VENT THROUGH ROOF
MC	MECHANICAL CONTRACTOR		

  

---/---/---/---	ABANDON EXISTING PIPING IN PLACE	---	FLEXIBLE CONNECTION
- - - - -	EXISTING PIPING (TYP. FOR ALL)	⊠	FUSEMATIC VALVE
- x - x - x -	PIPES TO BE REMOVED	⊠	GAS COCK
---	CW-COLD WATER PIPING (DOMESTIC)	⊠	GAS PRESSURE REGULATOR
---	HW-HOT WATER PIPING (DOMESTIC)	⊠	EMERGENCY GAS KILL BUTTON
---	HWR-HOT WATER RETURN PIPING (DOMESTIC)	⊠	EMERGENCY SOLENOID SHUT-OFF VALVE WITH REMOTE KILL BUTTON (SEE SPEC FOR ACTUAL LOCATION)
---	TW-TEMPERED WATER PIPING (DOMESTIC)	⊠	HOSE BIB/WALL HYDRANT/SILL COCK/SILL FAUCET
---	140'- OTHER DOMESTIC WATER PIPING (TEMP SHOWN)	⊠	PIPE DROPS DOWN
---	140'R- OTHER DOMESTIC RETURN WATER PIPING (TEMP SHOWN)	⊠	PIPE GOES UP
---	PD- PUMP DISCHARGE	⊠	PRESSURE REDUCING VALVE
---	SAN-SANITARY SEWER (WASTE)	⊠	PRESSURE GAUGE (PG) AND COCK
---	UNDERGROUND SAN-SANITARY SEWER (WASTE)	⊠	CIRCULATING PUMP
---	VENT PIPING	⊠	REDUCER
---	ST- STORM DRAIN PIPING	⊠	SHOWER HEAD
---	UNDERGROUND STORM DRAIN PIPING	⊠	STRAINER
---	CA- COMPRESSED AIR PIPING	⊠	T&P RELIEF VALVE
---	CD- CONDENSATE DRAIN PIPING	⊠	THERMOMETER & DDC SENSOR (BOTH REQUIRED)
---	TPF- TRAP PRIMER FEED	⊠	TRIPLE DUTY VALVE
---	HWS- HOT WATER SUPPLY PIPING (HYDRONIC)	⊠	UNION
---	HWR- HOT WATER RETURN PIPING (HYDRONIC)	⊠	SUPPLY DUCTWORK (1ST NO. IS TOP)
---	CWS- CHILLED WATER SUPPLY PIPING	⊠	EXHAUST/RETURN DUCTWORK
---	CWR- CHILLED WATER RETURN PIPING	⊠	GRADUAL DUCT TRANSITION
---	LPG- LIQUID PROPANE GAS PIPING	⊠	GRADUAL DUCT RISE
---	NG- NATURAL GAS PIPING	⊠	BDD-BACKDRAFT DAMPER
---	FOS- FUEL OIL SUPPLY PIPING	⊠	SUPPLY DIFFUSER
---	FOR- FUEL OIL RETURN PIPING	⊠	BLACKED OUT QUADRANTS HAVE NO FLOW
---	NP- NOT POTABLE WATER PIPING	⊠	RETURN GRILLE
---	C- EXISTING CONDENSATE PIPING	⊠	FIRE DAMPER AND ACCESS DOOR
---	S- EXISTING STEAM PIPING	⊠	MD-MOTORIZED DAMPER
⊠	CONNECT TO EXISTING	⊠	VD-VOLUME DAMPER
⊠	AIR VENT	⊠	IRIS DAMPER
⊠	BALANCING VALVE	⊠	NO 90° ELBOWS
⊠	BALL VALVE	⊠	SMOKE DETECTOR
⊠	CHECK VALVE	⊠	SPEED CONTROLLER
⊠	CLEANOUT, EXPOSED	⊠	DDC TEMPERATURE SENSOR
⊠	COMBINATION VALVE, STRAIN & DRAIN	⊠	DDC HYDRONIC WATER PRESSURE SENSOR
⊠	CONTROL VALVE	⊠	THERMOSTAT OR TEMPERATURE SENSOR WITH SETPOINT ADJUSTMENT ON THE SENSOR (DIAL, LEVER, OR BUTTONS)
⊠	EMERGENCY GAS SHUT OFF	⊠	WALL-MOUNTED FAN CONTROLLER OR SWITCH
⊠	EXPANSION COMPENSATOR	⊠	CO2 DETECTOR
⊠	FLANGE	⊠	FLOOR SENSOR
⊠	FLOOR CLEANOUT OR CLEANOUT TO GRADE- D-1	⊠	BYPASS TIMER (TO INDICATED HVAC UNIT)
⊠	FLOOR DRAIN WITH FUNNEL		
⊠	FLOOR DRAIN		
⊠	FLOOR SINK		

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**MECHANICAL DETAILS & LEGEND**

**M2.1**  
 Drawing No.