










































































































## MECHANICAL

	ROOM THERMOSTAT (SPACESTAT)		ELECTRIC 2-WAY VALVE
	RIGID STEM TEMP. SENSOR (DUCT OR IMMERSION)		ELECTRIC 3-WAY VALVE
	TEMPERATURE SENSOR (AVERAGING ELEMENT)		PNEUMATIC 2-WAY VALVE
	FREEZESTAT (VAPOR ELEMENT)		PNEUMATIC 3-WAY VALVE
	HUMIDITY SENSOR (SPACE)		2-WAY SOLENOID VALVE
	HUMIDITY SENSOR (DUCT)		3-WAY SOLENOID VALVE
	FLOW SWITCH		PNEUMATIC BUTTERFLY VALVE
	FLOW METER (IMMERSION)		ELECTRIC BUTTERFLY VALVE
	LEVEL SENSOR		PNEUMATIC CROSS-LINKED BUTTERFLY VALVE
	PRESSURE SENSOR OR PRESSURESTAT		HUMIDIFIER (ELECTRIC)
	STATIC PRESSURE SENSOR		HUMIDIFIER (STEAM)
	DIFFERENTIAL PRESSURE SWITCH		CENTRIFUGAL FAN OR PUMP
	DIFFERENTIAL PRESSURE TRANSMITTER		FAN WITH PNEUMATIC VARIABLE INLET VANES
	SMOKE DETECTOR (DUCT)		AXIAL VANE FAN
	AIR FLOW MEASURING DEVICE		AXIAL VANE FAN WITH CONTROLLABLE PITCH BLADES
	OPPOSED BLADE DAMPER-ELECTRIC ACTUATOR		HEATING COIL (HW OR STEAM)
	PARALLEL BLADE DAMPER-ELECTRIC ACTUATOR		COOLING COIL (CHW)
	PARALLEL BLADE DAMPER WITH END SWITCH-ELECTRIC ACTUATOR		INTEGRAL FACE AND BY-PASS HEATING COIL
	OPPOSED BLADE DAMPER-PNEUMATIC ACTUATOR		FILTER
	PARALLEL BLADE DAMPER-PNEUMATIC ACTUATOR		BAG FILTER
	PARALLEL BLADE DAMPER WITH END SWITCH-PNEUMATIC ACTUATOR		ROLL FILTER
	OPPOSED BLADE DAMPER-PNEUMATIC ACTUATOR WITH POSITIONER		AIR VELOCITY SENSOR
			VARIABLE AIR VOLUME (VAV) BOX WITH REHEAT COIL
			VARIABLE AIR VOLUME (VAV) BOX
			SOUND ATTENUATOR

## ELECTRICAL

	LIQUID LEVEL (NORMALLY OPEN)		FUSE
	LIQUID LEVEL (NORMALLY CLOSED)		DISCONNECT
	PRESSURE SWITCH (NORMALLY OPEN)		CONTROL TRANSFORMER (480 VAC/120 VAC)
	PRESSURE SWITCH (NORMALLY CLOSED)		TRANSFORMER
	2 POSITION TEMP. CONTROLLER (MAKE ON RISE)		HORN OR SIREN
	2 POSITION TEMP. CONTROLLER (BREAK ON RISE)		BELL
	FLOW SWITCH (NORMALLY OPEN)		ALTERNATOR
	FLOW SWITCH (NORMALLY CLOSED)		VARIABLE FREQUENCY DRIVE
	LIMIT SWITCH (NORMALLY OPEN)		MOTOR STARTER
	LIMIT SWITCH (NORMALLY CLOSED)		CURRENT SWITCH
	TOGGLE SWITCH		CURRENT TRANSMITTER
	MOMENTARY PUSHBUTTON (NORMALLY OPEN)		CURRENT TO PNEUMATIC TRANSMITTER
	MOMENTARY PUSHBUTTON (NORMALLY CLOSED)		
	3 POSITION SWITCH (H-O-A SHOWN)		
	3 POSITION SELECTOR SWITCH (H-O-A SHOWN)		
	ELECTRIC-PNEUMATIC SWITCH OR SOLENOID VALVE		
	TIME DELAY CONTACT AFTER COIL IS ENERGIZED (NORMALLY OPEN)		
	TIME DELAY CONTACT AFTER COIL IS ENERGIZED (NORMALLY CLOSED)		
	TIME DELAY CONTACT AFTER COIL IS ENERGIZED (NORMALLY OPEN)		
	TIME DELAY CONTACT AFTER COIL IS ENERGIZED (NORMALLY CLOSED)		
	CONTACTOR OR CONTROL RELAY CONTACT (NORMALLY OPEN)		
	THERMAL OVERLOAD OR CONTROL RELAY CONTACT (NORMALLY CLOSED)		
	CONTACTOR		
	STARTER COIL		
	CONTROL RELAY		
	TIME DELAY RELAY		
	TERMINAL AT CONTROL PANEL		
	TERMINAL AT STARTER		
	PILOT LIGHT(PUSH TO TEST)		
	3 PHASE MOTOR		
	SINGLE PHASE MOTOR		
	THERMAL OVERLOAD		

## PNEUMATIC

	COMPRESSED AIR MAIN
	GAUGE
	PNEUMATIC CONTROLLER W/BRANCH LINE, MAIN AIR AND SENSOR INPUT PORTS
	PNEUMATIC CONTROLLER W/BRANCH LINE, MAIN AIR SENSOR INPUT AND RESET PORTS
	ELECTRIC-PNEUMATIC SWITCH
	PNEUMATIC-ELECTRIC SWITCH
	PNEUMATIC SWITCHING RELAY
	MINIMUM POSITION SWITCH
	PRV-PRESSURE REGULATOR VALVE
	PRV-PANEL MOUNTED
	LOAD ANALYZER
	AVERAGING RELAY, REVERSING RELAY, BOOSTER RELAY, RATIO RELAY, HIGHER OR LOWER OF TWO PRESSURES RELAY

## GENERAL NOTES

(NOTES APPLY TO ALL CONTROL DRAWINGS)

1. FOR ADDITIONAL LEGEND ABBREVIATIONS AND SYMBOLS REFER TO MECHANICAL DRAWING MA.1.

CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

		<b>CONSULTANTS:</b>				<b>ARCHITECT/ENGINEERS:</b>		Drawing Title: NONE <b>MECHANICAL CONTROLS LEGEND, ABBREVIATIONS AND SYMBOLS</b>		Project Title: CHALMERS P. WYLIE VA OUTPATIENT CLINIC		Project Number: 757-001 Building Number:		Office of Facilities Management	
								Approved: Project Director		Location: COLUMBUS, OHIO		Drawing Number: MA.2 Dwg. — of —			
RECORD DOCUMENTS For Construction		17SEP08 08-23-06 Date								Date:		Checked:		Drawn: MDT	