

















































[illegible]

DUCTWORK SYMBOLS	
 UP  DN  UP  DN                    	SUPPLY DUCT (UP & DOWN) EXHAUST DUCT (UP & DOWN) RETURN DUCT (UP & DOWN) ROUND AND SQUARE 3-WAY CEILING DIFFUSERS SQUARE 3-WAY CEILING DIFFUSERS SQUARE 4-WAY CEILING DIFFUSERS SQUARE 1-WAY CEILING DIFFUSERS LINEAR SLOT DIFFUSER SUPPLY TOP REGISTER OR GRILLE (WALL TYPE) EXHAUST OR RETURN CEILING REGISTER OR GRILLE (WALL TYPE) EXHAUST OR RETURN BOTTOM REGISTER OR GRILLE (WALL TYPE) EXHAUST OR RETURN REGISTER OR TOP GRILLE (WALL TYPE) VANED ELBOW & AIR SPOUT TYPE DUCT TAKE-OFF CONNECT NEW DUCT TO EXISTING DUCT INCLINED RISE, IN DIRECTION OF AIR FLOW INCLINED DROP, IN DIRECTION OF AIR FLOW LIMIT OF REVOLUTION FLEXIBLE CONNECTION, EQUIPMENT, VIBRATION, OR SEISMIC RETURN ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING) VANED ELBOW (SHORT RADIUS) STANDARD RADIUS ELBOW (LONG RADIUS) STANDARD BRANCH SUPPLY OR RETURN, NO SPLITTER (45° TAP)
                          	

[illegible][illegible]

CONTROLS SYMBOLS

1	ROOM THERMOSTAT/TRANSMITTER - WALL MOUNT	1702	LOCAL TEMPERATURE CONTROL PANEL
2	ROOM HUMIDISTAT (MOISTURE)/TRANSMITTER - WALL MOUNT	1703	HVAC CONTROL PANEL
3	TEMPERATURE TRANSMITTER	1704	VARIABLE SPEED MOTOR CONTROLLER
4	TEMPERATURE TRANSMITTER, AVERAGE ELEMENT	1705	INTEGRATE CONTROL POINT ON REMOTE GRAPHICS WORKSTATION AT ENERGY CONTROL CENTER
5	MOISTURE (HUMIDITY) TRANSMITTER	1706	TEMPERATURE CONTROLLER - SEE SEQUENCE OF OPERATION
6	PRESSURE TRANSMITTER	1707	PRESSURE CONTROLLER - SEE SEQUENCE OF OPERATION
7	STATIC PRESSURE SENSOR	1708	SPEED CONTROLLER - SEE SEQUENCE OF OPERATION
8	FLOW TRANSMITTER	1709	FLOW CONTROLLER - SEE SEQUENCE OF OPERATION
9	CURRENT TRANSMITTER	1710	FLOW SWITCH HIGH
10	CONDUCTIVITY TRANSMITTER	1711	FLOW SWITCH LOW
11	SMOKE DETECTOR	1712	TIME CLOCK CONTROLLING EQUIPMENT ON A SCHEDULE
12	PRESSURE DIFFERENTIAL TRANSMITTER	1713	TEMPERATURE SENSING ELEMENT FOR TEMPERATURE CONTROLLER
13	PRESSURE DIFFERENTIAL SWITCH	1714	TEMPERATURE SENSING ELEMENT FOR TEMPERATURE CONTROLLER (PROVIDE 12 INCHES (305mm) MINIMUM LENGTH IN DUCT WHEN SPACE PERMITS)
14	HAND SWITCH (HAND-OFF-AUTO SWITCH)	1715	SEQUENCE WITH AVERAGE ELEMENT TO TRANSMIT TEMPERATURE TO ENDS
15	WALL OR DAMPER POSITION CONTROLLER	1716	MOTOR STARTER
16	LOCAL RECORDING TIME CLOCK (RUNTIME)	1717	ELECTRIC OPERATED CONTROL DAMPER/DR VALVE
17	TEMPERATURE SWITCH, LOW (FREEZE/STAT)	1718	
18	TEMPERATURE SWITCH, HIGH (FREEZE/STAT)	1719	
19	LEVEL CONTROLLER	1720	

17	LEVEL TRANSMITTER
18	PRESSURE SWITCH HIGH
19	PRESSURE SWITCH LOW
20	ELECTRONIC TO PNEUMATIC TRANSDUCER
21	CARBON DIOXIDE TRANSMITTER
22	CARBON MONOXIDE TRANSMITTER
23	OCCUPANCY SENSOR
24	

GENERAL NOTES

1. THE FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED. DUCT SIZES ARE NET INSIDE DIMENSIONS.
2. ACCESS PANELS IN HARD SUSPENDED CEILINGS ARE REQUIRED FOR ALL VALVES, TRAP DAMPERS, CLEANOUTS, CONTROLS, ETC. ACCESS PANELS SHALL BE FINISHED AND INSTALLED UNDER THE ARCHITECTURAL SPECIFICATIONS.
3. TOTAL STATIC PRESSURE NOTED IN THE SCHEDULES INCLUDES DUCT SYSTEM, TERMINAL, DAMPERS, FILTERS, COILS, ETC.
4. FOR TYPICAL STEAM AND WATER PIPING CONNECTIONS TO EQUIPMENT, SEE STANDARD EQUIPMENT DETAILS.
5. WATER PIP. CONNECTIONS TO AIR HEATING AND COOLING COILS SHALL BE MADE TO EQUIPMENT INLET/OUTLET.

[illegible]