

MECHANICAL SYMBOLS

S

CONNECT TO EXISTING

POINT OF DISCONNECT

TEMPERATURE SENSOR

THERMOSTAT

SWITCH

HUMIDISTAT

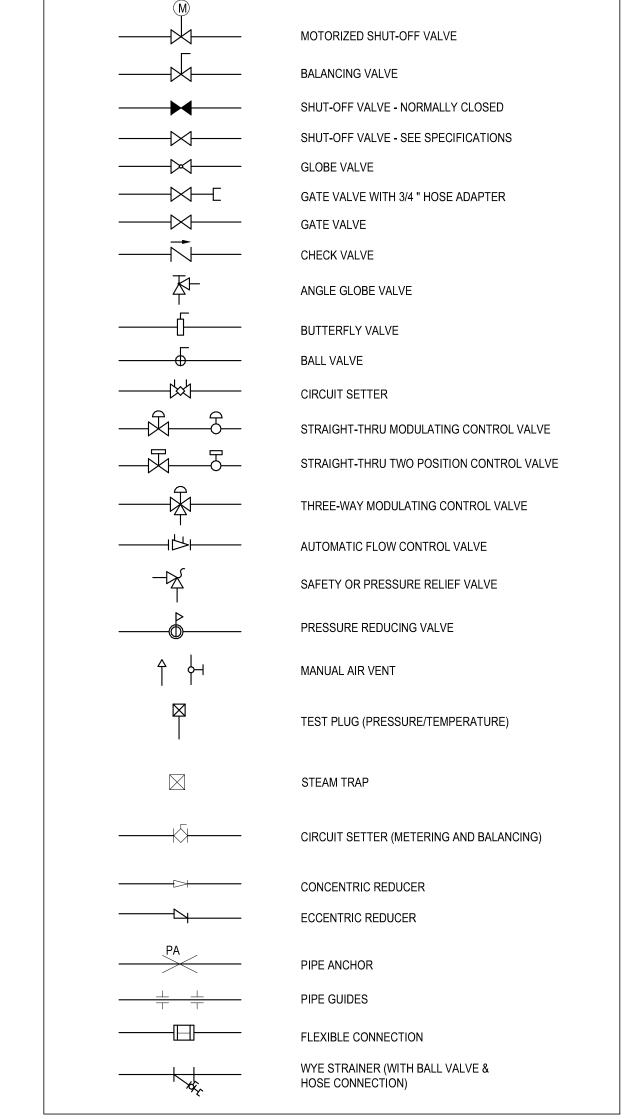
HUMIDITY SENSOR

SMOKE DETECTOR

DIFFERENTIAL PRESSURE MONITOR

DIFFERENTIAL PRESSURE SENSOR

GENERAL PIPING SYMBOLS



VALVE SYMBOLS

GENERAL NOTES

- COORDINATE ALL WORK WITH OTHER TRADES. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES, PERMITS AND LICENSES FOR THE
- COMPLETE INSTALLATION OF THEIR WORK. ALL DUCTWORK RUNS SHOWN ARE REPRESENTATIVE ONLY, CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CONDITIONS IN THE FIELD (EXISTING, OR PREDICATED BY LOCATION OF NEW EQUIPMENT) THAT MAKE NECESSARY ALTERNATE ROUTING OF DUCTWORK.
- ALL PIPING RUNS SHOWN ARE REPRESENTATIVE ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CONDITIONS IN THE FIELD THAT MAKE NECESSARY ALTERNATE ROUTING OF PIPING. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL AND CONTROLS
- CONTRACTORS TO PROVIDING POWER CONNECTIONS AND DDC CONTROLS FOR ALL
- 6. ALL DIFFUSERS NOT SHOWN AS A FULL CEILING MODULE (24"X24") SHALL BE A MINIMUM OF
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY ARCHITECTURAL WORK (INCLUDING, BUT NOT LIMITED TO: FLOORING, CEILING TILE AND GRID, SMOKE PARTITIONS ABOVE CEILING, GYPSUM WALL BOARD AND PAINTING, PLASTER, ETC.) THAT IS DAMAGED,
- DISTURBED, OR REMOVED INCIDENTAL TO THIS WORK. ALL PIPING AND DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN A FURRED CHASE OR ABOVE THE SUSPENDED CEILING.
- THE FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED.
- ACCESS PANELS ARE REQUIRED FOR ALL VALVES, TRAPS, DAMPERS, CLEANOUTS, CONTROLS, ETC. THAT ARE LOCATED ABOVE HARD CEILINGS OR BEHIND WALLS. ACCESS PANELS SHALL BE FURNISHED AND INSTALLED UNDER THE ARCHITECTURAL SPECIFICATIONS.
- 11. TOTAL STATIC PRESSURE NOTED IN THE SCHEDULES INCLUDES DUCT SYSTEM, TERMINAL UNITS, FILTERS, COILS, ETC.
- FOR TYPICAL WATER PIPING CONNECTIONS TO EQUIPMENT SEE STANDARD EQUIPMENT
- 13. DIFFUSER, REGISTER AND GRILLE SIZES SHOWN ON FLOOR PLANS ARE NECK SIZES.
- 14. PROVIDE INSULATED SUPPLY DIFFUSERS AND GRILLES. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF CEILING
- DIFFUSERS, REGISTERS, AND GRILLES. 16. PROVIDE NEW DDC SYSTEM TO ACCOUNT FOR NEW ROOMS, THERMOSTATS AND VAV TERMINAL UNITS. PRIOR TO CONTROLS PROGRAMMING, MECHANICAL CONTRACTOR SHALL PROVIDE TO CONTROLS VENDOR THE ACTUAL ROOM NUMBERS, AS DETERMINED BY THE
- ARCHITECT AND OWNER. MECHANICAL CONTRACTOR SHALL ENSURE THAT THE FLEXIBLE DUCTWORK IS FREE OF BENDS THAT WOULD RESTRICT AIRFLOW. PROVIDE HANGERS AND SUPPORTS TO ENSURE
- BENDS ARE SMOOTH RADIUS. WHERE CONFLICTS WITH OTHER UTILITIES OR CONSTRUCTION OCCUR, CONTRACTOR SHALL PROVIDE DUCT TRANSITIONS (AND CHANGES IN DIMENSIONS) PER SMACNA GUIDELINES AS
- REQUIRED TO AVOID CONFLICT. DUCT OF DIFFERING SIZE TO THAT SHOWN ON PLANS SHALL HAVE A HYDRAULIC AREA EQUAL TO THE DUCT SIZE LISTED ON PLANS. ALL AIR DISTRIBUTION DEVICES SHALL BE PROVIDED WITH MANUAL VOLUME DAMPERS FOR
- BALANCING PURPOSES. SEE DETAILS AND SPECIFICATIONS FOR MORE REQUIREMENTS, WHETHER SHOWN ON THE DRAWINGS OR NOT.

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