

AIR DISTRIBUTION SYMBOLS

- 12x18
12" x 18" RECTANGULAR DUCT (FIRST NUMBER IS SIDE SHOWN)
DIMENSIONS IN INCHES
- 12" x 12" 12 INCH ROUND DUCT
- DMD MOTORIZED DAMPER
- FD FLEXIBLE DUCT
- FC DUCT FLEXIBLE CONNECTOR (FC)
- DUCT DROPS AND RISES IN DIRECTION OF AIR FLOW
- RETURN DUCT TURNED UP OR DOWN (DASHED)
- SUPPLY DUCT TURNED UP OR DOWN (DASHED)
- EXHAUST DUCT TURNED UP OR DOWN (DASHED)
- ACOUSTICAL LINING (DUCT DIM. FOR NET FREE AREA)
- ROUND DUCT ELBOW DOWN
- ROUND DUCT ELBOW UP
- SQUARE TO ROUND TRANSITION
- CAP (DUCT AND/OR PIPE)
- INDICATES DUCT FITTING; EQUIPMENT TO BE REMOVED.
- EA EXHAUST AIR
- RA RETURN AIR
- SA SUPPLY AIR

- VOLUME DAMPER
- FIRE DAMPER
- SMOKE DAMPER
- TAG NO.
- COMBINATION SMOKE/FIRE DAMPER
- RECTANGULAR ELBOW W/TURNING VANES
- DIRECTION OF AIR FLOW (IN)
- DIRECTION OF AIR FLOW (OUT)
- HUMIDISTAT OR HUMIDITY SENSOR
- THERMOSTAT ("STAT") OR TEMP. SENSOR
- SMOKE DETECTOR
- DIFFUSER, REGISTER OR GRILLE TAG
- CM AIR FLOW
- FINNED TUBE TAG
- LENGTH OF FINNED ELEMENT
- DETAIL NO. WHERE DETAIL IS LOCATED
- EQUIPMENT TAG
- EQUIPMENT NO.

PIPING SYMBOLS

- UNION
- FLANGE
- PIPE ANCHOR
- PIPE GUIDE OR SLEEVES
- PIPE ELBOW TURNED DOWN
- PIPE ELBOW TURNED UP
- PIPING TEE-DOWN
- PIPING TEE-UP
- PIPE RISER
- RETURN DUCT TURNED UP OR DOWN (DASHED)
- SUPPLY DUCT TURNED UP OR DOWN (DASHED)
- EXHAUST DUCT TURNED UP OR DOWN (DASHED)
- ACOUSTICAL LINING (DUCT DIM. FOR NET FREE AREA)
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- ROUND DUCT ELBOW UP
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ABBREVIATIONS

- AV AUTOMATIC AIR VENT
- ACC AIR COOLED CONDENSER
- ACU AIR CONDITIONING UNIT
- AD ACCESS DOOR
- AE ACID EXHAUST
- AFF ABOVE FINISHED FLOOR
- AFMS AIR FLOW MEASURING STATION
- AHU AIR HANDLING UNIT
- ATC AUTOMATIC TEMPERATURE CONTROL
- AV AIR VENT
- BB BASEBOARD
- BDD BACKDRAFT DAMPER
- BG BLAST GATE
- BLOG BUILDING
- BOD BOTTOM OF DUCT
- BOP BOTTOM OF PIPE
- BTU BRITISH THERMAL UNIT
- CBD COUNTER BALANCED DAMPER
- CD CEILING DIFFUSER
- CFF CAPPED FOR FUTURE
- CFM CUBIC FEET PER MINUTE
- CLG CEILING
- CONT CONTINUATION
- COORD COORDINATE
- CP CONDENSATE PUMP & RECEIVER
- CT COOLING TOWER
- CTE CONNECT TO EXISTING
- CU COPPER
- CUH CABINET UNIT HEATER
- CY CONTROL VALVE
- CW COLD WATER
- DC DOUBLE CONTAINED
- DDC DIRECT DIGITAL CONTROL
- DIA DIAMETER
- DIC DOWN IN CHASE
- DHW DOWN IN WALL
- DN DOWN
- DT DROP AND TRANSITION
- DWS DRAWING
- DWH DOMESTIC WATER HEATER
- EA EXHAUST AIR
- EF EXHAUST FAN
- ENG ENCLOSURE
- ER EXHAUST REGISTER
- (E) EXISTING
- EXST. EXISTING
- FBO FURNISHED BY OWNER
- FBP FACE AND BYPASS
- FC FLEXIBLE CONNECTION
- FD FIRE DAMPER
- FG FIBERGLASS
- F & T FLOAT AND THERMOSTATIC
- FO FLAT DNAL
- FTR FINNED TUBE RADIATOR
- FS FLOW SWITCH
- GC GENERAL CONTRACTOR
- GPM GALLONS PER MINUTE
- H HUMIDIFIER
- HB HOSE BIB
- HJU HEAT RECOVERY UNIT
- HTR HEATER
- H & V HEATING AND VENTILATION
- HVAC HEATING, VENTILATING AND AIR CONDITIONING
- HW HOT WATER
- HX HEAT EXCHANGER
- IN WG INCHES WATER GAUGE
- LD LINED DUCT
- MAU MAKE UP AIR UNIT
- MAX MAXIMUM
- MBH 1000 BTU/HR.
- ME MECHANICAL ENGINEER
- MFR MANUFACTURER
- MIN MINIMUM
- MO MOTOR OPERATED DAMPER
- MPY MULTI-PURPOSE VALVE
- MTD MOUNTED
- MUA MAKE UP AIR
- NPW NON-POTABLE WATER
- NTS NOT TO SCALE
- OA OUTSIDE AIR
- OBD OPPOSED BLADE DAMPER
- OED OPEN ENDED DUCT
- PAE PROCESS ACID EXHAUST
- PHE PROCESS HEAT EXHAUST
- PSE PROCESS SOLVENT EXHAUST
- PP POLY-PROPYLENE
- PPE PRE PURCHASED EQUIPMENT
- PRS PRESSURE REDUCING STATION
- PRV PRESSURE REDUCING VALVE
- PVD PNEUMATIC VOLUME DAMPER
- (R) REMOVE
- RA RETURN AIR
- (REL) RELOCATED
- RF RETURN FAN
- RG RETURN GRILLE
- RHC REHEAT COIL
- RM ROOM
- RR RETURN REGISTER
- RV RELIEF VALVE
- SA SUPPLY AIR
- SCV SELF CONTAINED VALVE
- SD SMOKE DETECTOR
- SF SUPPLY FAN
- SG SUPPLY GRILLE
- SR STAINLESS STEEL
- TE TEMPERATURED ELEMENT (SENSOR)
- TG TRANSFER GRILLE
- TOP TOP OF DUCT
- TOP TOP OF PIPE
- TTS TIGHT TO STEEL
- TV TYPICAL
- UH UNIT HEATER
- UC UP IN CHASE
- UW UP IN WALL
- UV UNIT VENTILATOR
- VAV VARIABLE AIR VOLUME BOX
- VB VACUUM BREAKER
- VTR VENT THRU ROOF
- VD MANUAL VOLUME DAMPER
- VCFV VALVED AND CAPPED FOR FUTURE
- VFD VARIABLE FREQUENCY DRIVE
- VOC VOLATILE ORGANIC COMPOUNDS
- W/ WITH

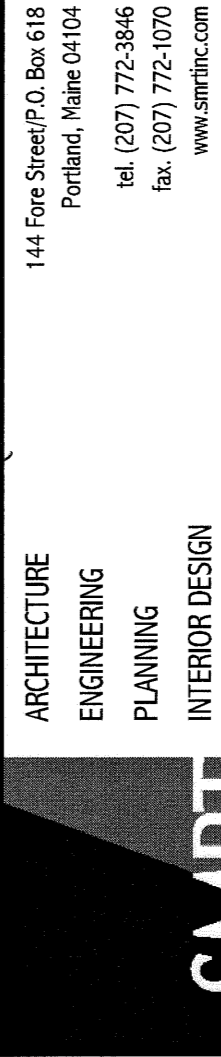
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LEGEND AND ABBREVIATIONS

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