

AIR DISTRIBUTION SYMBOLS

- 12x16 RECTANGULAR DUCT, (FIRST NUMBER IS SIDE SHOWN)
- 12" DIMENSIONS IN INCHES
- DND 12 INCH ROUND DUCT
- MOTORIZED DAMPER
- FLEXIBLE DUCT
- 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, PIPING, 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
- TAG NO.
- RECTANGULAR ELBOW W/TURNING VANES
- DIRECTION OF AIR FLOW (IN)
- DIRECTION OF AIR FLOW (OUT)
- HUMIDISTAT OR HUMIDITY SENSOR
- THERMOSTAT (T'STAT) OR TEMP. SENSOR
- SMOKE DETECTOR
- DIFFUSER, REGISTER OR GRILLE TAG
- CFM AIR FLOW
- QUANTITY
- FINNED TUBE TAG
- LENGTH OF FINNED ELEMENT
- DETAIL NO.
- SHEET 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
- PIPE PITCHES DOWN
- GENERIC VALVE, SEE SPECIFICATIONS FOR TYPE
- GATE VALVE
- BALL VALVE
- BUTTERFLY VALVE (MANUAL)
- 2-WAY CONTROL VALVE
- 3-WAY CONTROL VALVE
- BALANCING VALVE (CIRCUIT SETTER)
- CHECK VALVE
- PLUG VALVE
- GLOBE VALVE
- NEEDLE VALVE
- BACK FLOW PREVENTER
- SOLENOID VALVE
- PRESSURE REDUCING OR REGULATING VALVE
- PRESSURE RELIEF VALVE
- STRAINER
- STRAINER W/BLOWDOWN
- MANUAL AIR VENT
- AUTOMATIC AIR VENT
- PRESSURE SWITCH
- FLOW SWITCH
- PRESSURE GAUGE AND COCK
- THERMOMETER AND WELL
- TEMPERATURE & PRESSURE TAP (PETE'S PLUG)
- HOSE END DRAIN VALVE WITH CAP
- ORIFICE FLOWMETER
- FLEXIBLE PIPE CONNECTOR
- EXPANSION JOINT
- STEAM TRAP (FLOAT AND THERMOSTATIC INDICATED T.T.T. THERMOSTAT, B.T. BUCKET TRAP, T.D. THERMODYNAMIC TRAP)
- CONCENTRIC REDUCER/INCREASER
- ECCENTRIC REDUCER/INCREASER
- DIRECTION OF FLOW
- PUMP
- FINNED TUBE BASEBOARD
- HUMIDIFIER
- DIFFERENTIAL PRESSURE TRANSMITTER

ABBREVIATIONS

- AAV AUTOMATIC AIR VENT
- ACC AIR COOLED CONDENSER
- ACU AIR CONDITIONING UNIT
- AD ACCESS DOOR
- AE ACID EXHAUST
- AFF ABOVE FINISHED FLOOR
- AFNS AIR FLOW MEASURING STATION
- AHU AIR HANDLING UNIT
- ATC AUTOMATIC TEMPERATURE CONTROL
- AV AIR VENT
- BB BASEBOARD
- BDD BACKDRAFT DAMPER
- BG BLAST GATE
- BLDG BUILDING
- BOD BOTTOM OF DUCT
- BOP BOTTOM OF PIPE
- BTU BRITISH THERMAL UNIT
- CBQ 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
- CIE CONNECT TO EXISTING
- CU COPPER
- CUH CABINET UNIT HEATER
- CY CONTROL VALVE
- CW COLD WATER
- DC DOUBLE CONTAINED
- DDC DIRECT DIGITAL CONTROL
- DIA DIAMETER
- DI DOWN IN CHASE
- DIW DOWN IN WALL
- DN DOWN
- DT DROP AND TRANSITION
- DWG DRAWING
- DWH DOMESTIC WATER HEATER
- EA EXHAUST AIR
- EF EXHAUST FAN
- ENC 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 OVAL
- FTR FINNED TUBE RADIATION
- FS FLOW SWITCH
- GC GENERAL CONTRACTOR
- GPM GALLONS PER MINUTE
- H HUMIDIFIER
- HB HOSE BIB
- HRU HEAT RECOVERY UNIT
- HTR HEATER
- H & V HEATING AND VENTILATION
- HVAC HEATING, VENTILATING AND AIR CONDITIONING
- HW HOT WATER
- HX HEAT EXCHANGER
- IN INCHES
- INWG INCHES WATER GAUGE
- LD LINED DUCT
- MAU MAKE UP AIR UNIT
- MAX MAXIMUM
- MBH 1000 BTU/HR.
- ME MECHANICAL ENGINEER
- MFR MANUFACTURER
- MIN MINIMUM
- MD MOTOR OPERATED DAMPER
- MPV 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-FROPLENE
- PPE FIRE 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 SUPPLY REGISTER
- SS STAINLESS STEEL
- TE TEMPERATURED ELEMENT (SENSOR)
- TG TRANSFER GRILLE
- TOD TOP OF DUCT
- TOP TOP OF PIPE
- TTS TIGHT TO STEEL
- TV TURNING VANES(S)
- TYP TYPICAL
- UH UNIT HEATER
- UC UP IN CHASE
- UIW UP IN WALL
- UV UNIT VENTILATOR
- VAV VARIABLE AIR VOLUME BOX
- VB VACUUM BREAKER
- VTR VENT THRU ROOF
- VD MANUAL VOLUME DAMPER
- VCF VALVED AND CAPPED FOR FUTURE
- VFD VARIABLE FREQUENCY DRIVE
- VOC VOLATILE ORGANIC COMPOUNDS
- W/ WITH

GENERAL NOTE

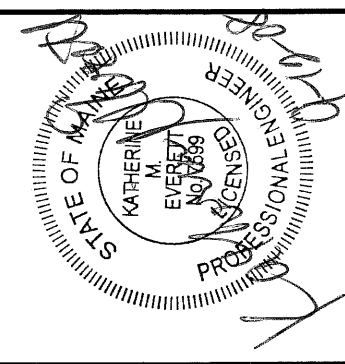
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PIPING SYSTEMS

- CD CONDENSATE DRAIN
- CHWS CHILLED WATER SUPPLY
- CHWR CHILLED WATER RETURN
- CHWR CONDENSER WATER SUPPLY
- CHWR CONDENSER WATER RETURN
- DB DISTRIBUTION VALVE BOX
- FCS FREE COOLING SUPPLY
- FCR FREE COOLING RETURN
- FOS FUEL OIL SUPPLY
- FOR FUEL OIL RETURN
- FOV FUEL OIL VENT
- GCR GRAVITY STEAM CONDENSATE RETURN
- GLY GLYCOL
- HCR HOT/ CHILLED WATER RETURN
- HCS HOT/ CHILLED WATER SUPPLY
- HG HOT GAS
- HPS HIGH PRESSURE STEAM
- HR HIGH PRESSURE CONDENSATE RETURN
- HRS HIGH PRESSURE RETURN
- HWR HOT WATER RETURN
- LPS LOW PRESSURE STEAM
- LPR LOW PRESSURE RETURN
- MPS MEDIUM PRESSURE STEAM
- MPR MEDIUM PRESSURE RETURN
- NPW NON POTABLE COLD WATER
- PCR PROCESS COOLING WATER RETURN
- PC PUMPED STEAM CONDENSATE
- PW POTABLE WATER
- R RELIEF LINE
- RL REFRIGERANT LIQUID
- RS REFRIGERANT SUCTION
- TWS TEMPERED CHILLED WATER SUPPLY
- TWR TEMPERED CHILLED WATER RETURN
- ZB ZONE VALVE BOX

ISSUED FOR CONSTRUCTION
9-12-08

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INPATIENT SERVICES
PORTLAND, MAINE

LEGEND AND ABBREVIATIONS

SHEET TITLE:	1/8" = 1'-0" DATE:	9-12-08
PROJECT MANAGER:	CDP GRAPHIC SCALE:	0' 1'
JOB CDR/DRAWN:	BGS	
DATE OF RECORD:	RPE	
SMART CODE FILE:	M-001-08099	SHEET NO.
PROJECT NO.:	08099	M-001