

1	2	3	4	5	6	7	8	9	10

E1 SYMBOLS LEGEND

12" = 1'-0"						
<p>AW ACID WASTE</p> <p>ATV AIR RELIEF</p> <p>BBD BOILER BLOWDOWN (HVAC DRAIN PAN)</p> <p>C CONDENSATE (HVAC DRAIN PAN)</p> <p>C- CONDENSATE (HVAC DRAIN PAN)</p> <p>CA COMPRESSED AIR</p> <p>CHWR CHILLED WATER RETURN</p> <p>CHWS CHILLED WATER SUPPLY</p> <p>CWR CONDENSER WATER RETURN</p> <p>CWS CONDENSER WATER SUPPLY</p> <p>DOMESTIC COLD WATER</p> <p>DOMESTIC HOT WATER</p> <p>DOMESTIC HOT WATER RECIRC.</p> <p>D DRAIN</p> <p>FM PUMP FORCE MAIN</p> <p>FOF FUEL OIL FILL</p> <p>FOR FUEL OIL RETURN</p> <p>FOS FUEL OIL SUPPLY</p> <p>FOV FUEL OIL TANK VENT</p> <p>FW FEEDWATER</p> <p>GR GLYCOL RETURN</p> <p>GS GLYCOL SUPPLY</p> <p>H HUMIDIFICATION LINE</p> <p>H2 HYDROGEN GAS</p> <p>HPWR HEAT PUMP WATER RETURN</p> <p>HPWS HEAT PUMP WATER SUPPLY</p> <p>HPC HIGH PRESSURE CONDENSATE</p> <p>HPS HIGH PRESSURE STEAM</p> <p>HTWR HIGH-TEMP HOT WATER RETURN</p> <p>HWR HOT WATER RETURN</p> <p>HWS HOT WATER SUPPLY</p> <p>IND INDUSTRIAL WASTE</p> <p>IW INDIRECT WASTE</p> <p>LN LIQUID NITROGEN</p> <p>LOX LIQUID OXYGEN</p> <p>LPC LOW PRESSURE CONDENSATE</p> <p>LP LIQUID PETROLEUM GAS</p>	<p>LPR LOW PRESSURE CONDENSATE</p> <p>LPS LOW PRESSURE STEAM</p> <p>MA MEDICAL AIR</p> <p>MPR MEDIUM PRESSURE CONDENSATE</p> <p>MPS MEDIUM PRESSURE STEAM</p> <p>MU MAKE-UP WATER</p> <p>N2 NITROGEN</p> <p>NG NATURAL GAS</p> <p>NO NITROUS OXIDE</p> <p>NPW NON-POTABLE WATER</p> <p>OX OXYGEN</p> <p>PC PUMPED CONDENSATE</p> <p>PCWR PROCESS COLD WATER RETURN</p> <p>PCWS PROCESS COLD WATER SUPPLY</p> <p>RD REFRIGERANT DISCHARGE</p> <p>RL REFRIGERANT LIQUID</p> <p>RS REFRIGERANT SUCTION</p> <p>RW RAIN WATER - ABOVE FLOOR</p> <p>RW RAIN WATER - BELOW GRADE</p> <p>SSW SANITARY SOIL WASTE - ABOVE FLOOR</p> <p>SSWB SANITARY SOIL WASTE - BELOW GRADE</p> <p>SSV SANITARY SOIL VENT - ABOVE FLOOR</p> <p>SSVB SANITARY SOIL VENT - BELOW GRADE</p> <p>SV SANITARY WASTE & VENT COMBINATION</p> <p>SP SPRINKLER MAIN PIPING</p> <p>SWR SOLAR WATER RETURN</p> <p>SWS SOLAR WATER SUPPLY</p> <p>TP TRAP PRIMER - ABOVE FLOOR</p> <p>TPB TRAP PRIMER - BELOW GRADE</p> <p>TWR TEMPERED WATER RETURN</p> <p>TWS TEMPERED WATER SUPPLY</p> <p>VAC VACUUM (AIR)</p> <p>VC VACUUM CLEANING (HOUSE)</p> <p>VPD VACUUM PUMP DISCHARGE</p>	<p>AAV AUTOMATIC AIR VENT</p> <p>AC ABOVE CEILING</p> <p>ACC AIR COOLED CONDENSER</p> <p>ACU AIR CONDITIONING UNIT</p> <p>ADA AMERICANS WITH DISABILITIES ACT</p> <p>AD ACCESS DOOR</p> <p>AE ACID EXHAUST</p> <p>AW ACID WASTE</p> <p>AFF; A.F.F. ABOVE FINISHED FLOOR</p> <p>AHU AIR HANDLING UNIT</p> <p>AP ACCESS PANEL</p> <p>APPROX. APPROXIMATE; APPROXIMATELY</p> <p>APMR AS PER MFR'S RECOMMENDATIONS</p> <p>ATC AUTOMATIC TEMPERATURE CONTROL</p> <p>AV AIR VENT</p> <p>BC BALANCING COCK</p> <p>BDD BACKDRAFT DAMPER</p> <p>BG BLAST GATE</p> <p>BF BARRIER FREE</p> <p>BFP BACKFLOW PREVENTER</p> <p>BHP BRAKE HORSEPOWER</p> <p>BLDG BUILDING</p> <p>BOD BOTTOM OF DUCT</p> <p>B.T.U.; BTU BRITISH THERMAL UNIT</p> <p>C; CONV. CONVECTOR</p> <p>CCW COUNTER CLOCKWISE</p> <p>CFF CAPPED FOR FUTURE</p> <p>CFM CUBIC FEET PER MINUTE</p> <p>CLG CEILING</p> <p>CQ CLEANOUT</p> <p>CM CONSTRUCTION MANAGER</p> <p>CNTR COUNTER; COUNTER TOP</p> <p>CONN CONNECT; CONNECTION</p> <p>CONT. CONTINUE; CONTINUATION</p> <p>COORD. COORDINATE</p> <p>CORR CORRIDOR</p> <p>CR CHEMICAL RESISTING</p> <p>CT COOLING TOWER</p> <p>CTE CONNECT TO EXISTING</p> <p>CTR CENTER</p> <p>CTRLN CENTERLINE</p>	<p>CU COPPER; CONDENSING UNIT</p> <p>CUH CABINET UNIT HEATER</p> <p>C.V. CONTROL VALVE</p> <p>CW COLD WATER; CLOCKWISE</p> <p>DB DRY BULB TEMPERATURE</p> <p>DC DOUBLE CONTAINED</p> <p>DDC DIRECT DIGITAL CONTROL</p> <p>DET DETAIL</p> <p>DIA DIAMETER</p> <p>DIC DOWN IN CHASE</p> <p>DIW DOWN IN WALL</p> <p>DN DOWN</p> <p>DS DOWNSPOUT</p> <p>DT DROP AND TRANSITION</p> <p>DV DRAIN VALVE</p> <p>DWG DRAWING</p> <p>EA EXHAUST AIR</p> <p>EF EXHAUST FAN</p> <p>EG EXHAUST GRILLE</p> <p>ELEV ELEVATION</p> <p>ELONG ELONGATE</p> <p>ENC ENCLOSURE</p> <p>ER EXHAUST REGISTER</p> <p>ESP EXTERNAL STATIC PRESSURE</p> <p>ET EXPANSION TANK</p> <p>(E) EXISTING</p> <p>F&T FLOAT AND THERMOSTATIC</p> <p>FBO FURNISHED BY OTHERS</p> <p>FBP FACE AND BYPASS</p> <p>FC FLEXIBLE CONNECTION</p> <p>FCO FLOOR CLEANOUT</p> <p>FD# FLOOR DRAIN TAG</p> <p>FD FIRE DAMPER</p> <p>FIN FINISH</p> <p>FL FLOOR</p> <p>FTG FOOTING</p> <p>FTR FINNED TUBE RADIATION</p> <p>FS FLOW SWITCH</p> <p>FM FORCE MAIN</p> <p>GC GENERAL CONTRACTOR</p> <p>GPM GALLONS PER MINUTE</p>	<p>GV GRAVITY VENTILATOR</p> <p>H HUMIDIFIER</p> <p>HB HOSE BIBB</p> <p>HC; HDC HANDICAP ACCESS</p> <p>HGT; HT HEIGHT</p> <p>HP HEAT PUMP</p> <p>HRRU HEAT RECOVERY UNIT</p> <p>HTR HEATER</p> <p>H&V HEATING AND VENTILATION</p> <p>HVAC HEATING, VENTILATING AND AIR COND.</p> <p>HW HOT WATER</p> <p>HWR HOT WATER RETURN</p> <p>HWS HOT WATER SUPPLY</p> <p>HX HEAT EXCHANGER</p> <p>ID INSIDE DIAMETER</p> <p>IN WG INCHES WATER GAUGE</p> <p>INCL. INCLUDING</p> <p>INV. EL. INVERT ELEVATION</p> <p>IPS IRON PIPE SIZE</p> <p>KE# KITCHEN EQUIPMENT NUMBER</p> <p>LD LINEAR DIFFUSER</p> <p>LE# SCIENCE LAB EQUIPMENT NUMBER</p> <p>LP LIQUID PETROLEUM GAS</p> <p>LPR LOW PRESSURE STEAM RETURN</p> <p>LPS LOW PRESSURE STEAM SUPPLY</p> <p>MAX MAXIMUM</p> <p>MBH 1000 BTUH/hr.</p> <p>MFR MANUFACTURER</p> <p>MIN MINIMUM</p> <p>MOD MOTOR OPERATED DAMPER</p> <p>MPG MEDIUM PRESSURE GAS</p> <p>MPV MULTI-PURPOSE VALVE</p> <p>MTD MOUNTED</p> <p>MTG MOUNTING</p> <p>MUA MAKE UP AIR</p> <p>N.C. NORMALLY CLOSED</p> <p>N.O. NORMALLY OPEN</p> <p>NIC NOT IN CONTRACT</p> <p>NPT NATIONAL PIPE THREAD</p> <p>NTS NOT TO SCALE</p> <p>OA OUTSIDE AIR</p>	<p>OBD OPPOSED BLADE DAMPER</p> <p>OD OUTSIDE DIAMETER</p> <p>OED OPEN ENDED DUCT</p> <p>P# PLUMBING FIXTURE TAG</p> <p>PD PUMPED DISCHARGE</p> <p>PRS PRESSURE REDUCING STATION</p> <p>PRV PRESSURE REDUCING VALVE</p> <p>RA RETURN AIR</p> <p>RD ROOF DRAIN</p> <p>REC RECOMMENDATION</p> <p>REG REGULAR</p> <p>RF RETURN FAN</p> <p>RG RETURN GRILLE</p> <p>RHC REHEAT COIL</p> <p>RM ROOM</p> <p>RPZ REDUCED PRESSURE BFP</p> <p>RR RETURN REGISTER</p> <p>RV RELIEF VALVE</p> <p>RW RAIN WATER</p> <p>S SUPPLY AIR</p> <p>SA- SHOCK ABSORBER OF PDI SIZE (") AS INDICATED</p> <p>SCV SELF-CONTAINED VALVE</p> <p>SD SMOKE DAMPER</p> <p>SF SUPPLY FAN</p> <p>SG SUPPLY GRILLE</p> <p>SGL SINGLE</p> <p>SQ. FT.; SF SQUARE FEET</p> <p>SR SUPPLY REGISTER</p> <p>S/O SHUT-OFF</p> <p>S.S. STAINLESS STEEL</p> <p>TD TRENCH DRAIN</p> <p>TG TRANSFER GRILLE</p> <p>TOD TOP OF DUCT</p> <p>TP TRAP PRIMER</p> <p>TSP TOTAL STATIC PRESSURE</p> <p>TTS TIGHT TO STEEL</p> <p>TV TURNING VANE</p> <p>TW TEMPERED WATER</p> <p>TYP TYPICAL</p>	<p>UH UNIT HEATER</p> <p>UIC UP IN CHASE</p> <p>UIW UP IN WALL</p> <p>UV UNIT VENTILATOR</p> <p>V VENT</p> <p>VAC VACUUM</p> <p>VB VACUUM BREAKER</p> <p>VCFV VALVE & CAP FOR FUTURE</p> <p>VD VOLUME DAMPER - MANUAL</p> <p>VLV VALVE</p> <p>VS VENT STACK</p> <p>VTR VENT TO ROOF</p> <p>W WASTE</p> <p>W/ WITH</p> <p>WB WET BULB TEMPERATURE, °F</p> <p>WCO WALL CLEANOUT</p> <p>WH WATER HEATER</p> <p>WHYD WALL HYDRANT</p> <p>Ø DIAMETER</p> <p>@ AT</p> <p>& AND</p> <p>% PERCENT</p>

A1 PIPING LINETYPE LEGEND **A5 ABBREVIATIONS**

12" = 1'-0"		12" = 1'-0"	
-------------	--	-------------	--

3/17/2014 9:23:55 AM N:\Projects\2014\1414009 - Portland Public Schools - Downtown Project\00 Drawing Files Revit 2014\1414009M.rvt



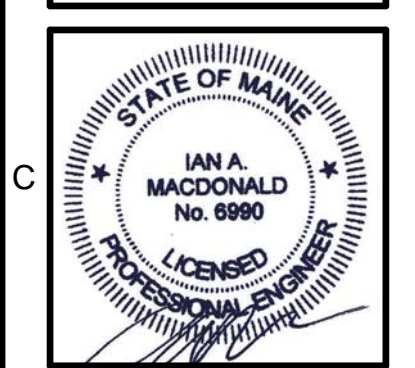
ARCHITECTS
 48 DARTMOUTH STREET
 PORTLAND, MAINE 04101
 207-775-1059
 www.pdtarch.com

Allied Engineering
 Structural Mechanical Electrical Commissioning
 160 Veranda Street
 Portland, Maine 04103
 P: 207.221.2266
 F: 207.221.2268
 Web: www.allied-eng.com

ALLIED PROJECT No.: 14009
 CAD FILE: 14009M.rvt

COPYRIGHT 2014 PDT Architects
 Reuse or reproduction of the contents of this document is not permitted without written permission of PDT Architects.

Portland Public Schools' Downtown Project
 353 Cumberland Avenue, Portland, ME 04101



PDT JOB NO. 14018

DRWN. CHK REW IAM

SCALE: AS NOTED

ISSUE: BID DOCUMENTS MARCH 12, 2014

TITLE PLUMBING AND HVAC ABBREVIATIONS AND LEGENDS

SHEET

P000

NOTE
 ALL GENERAL NOTES, SYMBOL LEGENDS AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL PLUMBING AND HVAC DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION INTO THE DESIGN.