

D1 SYMBOLS LEGEND

NONE	
AW	ACID WASTE
ATV	AIR RELIEF
BBD	BOILER BLOWDOWN
BF	BOILER FEED
C	CONDENSATE (HVAC DRAIN PAN)
C	CONDENSATE (HVAC DRAIN PAN - BELOW FLOOR)
CA	COMPRESSED AIR
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CWS	CONDENSER WATER SUPPLY
CWR	CONDENSER WATER RETURN
---	DOMESTIC COLD WATER
---	DOMESTIC HOT WATER
---	DOMESTIC WATER RECIRC.
D	DRAIN
FM	PUMP FORCE MAIN
FOF	FUEL OIL FILL
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL TANK VENT
FW	FEEDWATER
GR	GLYCOL RETURN
GS	GLYCOL SUPPLY
H	HUMIDIFICATION LINE
H2	HYDROGEN GAS
HPWR	HEAT PUMP WATER RETURN
HPWS	HEAT PUMP WATER SUPPLY
HPC	HIGH-PRESSURE CONDENSATE
HPS	HIGH-PRESSURE STEAM
HTWR	HIGH-TEMP. HOT WATER RETURN
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
IND	INDUSTRIAL WASTE
IW	INDIRECT WASTE
LN	LIQUID NITROGEN
LOX	LIQUID OXYGEN
LPC	LOW-PRESSURE CONDENSATE
LP	LIQUID PETROLEUM GAS
LPR	LOW-PRESSURE CONDENSATE
LPS	LOW-PRESSURE STEAM
MA	MEDICAL AIR
MPR	MEDIUM-PRESSURE CONDENSATE
MPS	MEDIUM-PRESSURE STEAM
MU	MAKEUP WATER
N2	NITROGEN
NG	NATURAL GAS
NO	NITROUS OXIDE
NPW	NON-POTABLE WATER
OX	OXYGEN
PC	PUMPED CONDENSATE
PCWR	PROCESSED COLD WATER RETURN
PCWS	PROCESSED COLD WATER SUPPLY
RD	REFRIGERANT DISCHARGE
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
RW	RAIN WATER ABOVE FLOOR
RW	RAIN WATER BELOW GRADE
---	SANITARY SOIL WASTE (ABOVE FLOOR)
---	SANITARY SOIL WASTE (BELOW FLOOR)
---	SANITARY SOIL VENT (ABOVE FLOOR)
---	SANITARY SOIL VENT (BELOW FLOOR)
SV	SANITARY WASTE & VENT COMBINATION
SP	SPRINKLER MAIN PIPING
SWR	SOLAR WATER RETURN
SWS	SOLAR WATER SUPPLY
TP	TRAP PRIMER PIPING ABOVE GRADE
TP	TRAP PRIMER PIPING BELOW GRADE
TWR	TEMPERED RETURN WATER
TWS	TEMPERED SUPPLY WATER
VAC	VACUUM (AIR)
VC	VACUUM CLEANING (HOUSE)
VPD	VACUUM PUMP DISCHARGE

AAV	AUTOMATIC AIR VENT	DN	DOWN	LP	LIQUID PETROLEUM GAS	TP	TRAP PRIMER
AC	ABOVE CEILING	DS	DOWNSPOUT	LPR	LOW PRESSURE STEAM RETURN	TSP	TOTAL STATIC PRESSURE
ACC	AIR COOLED CONDENSER	DT	DROP AND TRANSITION	LPS	LOW PRESSURE STEAM SUPPLY	TTS	TIGHT TO STEEL
ACU	AIR CONDITIONING UNIT	DV	DRAIN VALVE	MAX	MAXIMUM	TV	TURNING VANE
ADA	AMERICANS WITH DISABILITIES ACT	DWG	DRAWING	MBH	1000 BTU/HR.	TW	TEMPERED WATER
AD	ACCESS DOOR	EA	EXHAUST AIR	MFR	MANUFACTURER	TYP	TYPICAL
AE	ACID EXHAUST	EF	EXHAUST FAN	MIN	MINIMUM	UH	UNIT HEATER
AW	ACID WASTE	EG	EXHAUST GRILLE	MOD	MOTOR OPERATED DAMPER	UIC	UP IN CHASE
AFF; A.F.F.	ABOVE FINISHED FLOOR	ELEV	ELEVATION	MPG	MEDIUM PRESSURE GAS	UIW	UP IN WALL
AHU	AIR HANDLING UNIT	ELONG	ELONGATE	MPV	MULTI-PURPOSE VALVE	UV	UNIT VENTILATOR
AP	ACCESS PANEL	ENC	ENCLOSURE	MTD	MOUNTED	V	VENT
APPROX	APPROXIMATE; APPROXIMATELY	ER	EXHAUST REGISTER	MTG	MOUNTING	VAC	VACUUM
APMR	AS PER MFR'S RECOMMENDATIONS	ESP	EXTERNAL STATIC PRESSURE	MUA	MAKE UP AIR	VB	VACUUM BREAKER
ATC	AUTOMATIC TEMPERATURE CONTROL	ET	EXPANSION TANK	N.C.	NORMALLY CLOSED	VCF	VALVE & CAP FOR FUTURE
AV	AIR VENT	(E)	EXISTING	N.O.	NORMALLY OPEN	VD	VOLUME DAMPER - MANUAL
BC	BALANCING COCK	F & T	FLOAT AND THERMOSTATIC	NIC	NOT IN CONTRACT	VLV	VALVE
BDD	BACKDRAFT DAMPER	FBO	FURNISHED BY OTHERS	NPT	NATIONAL PIPE THREAD	VS	VENT STACK
BG	BLAST GATE	FBP	FACE AND BYPASS	NTS	NOT TO SCALE	VTR	VENT THROUGH ROOF
BF	BARRIER FREE	FC	FLEXIBLE CONNECTION	OBD	OPPOSED BLADE DAMPER	W	WASTE
BFP	BACKFLOW PREVENTER	FCO	FLOOR CLEANOUT	OD	OUTSIDE DIAMETER	W	WITH
BHP	BRAKE HORSEPOWER	FD#	FLOOR DRAIN TAG	OED	OPEN ENDED DUCT	WB	WET BULB TEMPERATURE, °F
BLDG	BUILDING	FD	FIRE DAMPER	P-#	PLUMBING FIXTURE TAG	WCO	WALL CLEANOUT
BOD	BOTTOM OF DUCT	FIN	FINISH	PD	PUMPED DISCHARGE	WH	WATER HEATER
B.T.U.	BRITISH THERMAL UNIT	FL	FLOOR	PRS	PRESSURE REDUCING STATION	WHYD	WALL HYDRANT
C; CONV.	CONVECTOR	FTG	FOOTING	PRV	PRESSURE REDUCING VALVE	NTS	NOT TO SCALE
CCW	COUNTER CLOCKWISE	FTR	FINNED TUBE RADIATION	RA	RETURN AIR	Ø	DIAMETER
CFF	CAPPED FOR FUTURE	FS	FLOW SWITCH	RD	ROOF DRAIN	@	AT
CFM	CUBIC FEET PER MINUTE	FM	FORCE MAIN	REC	RECOMMENDATION	&	AND
CLG	CEILING	GC	GENERAL CONTRACTOR	REG	REGULAR	%	PERCENT
CO	CLEANOUT	GPM	GALLONS PER MINUTE	RF	RETURN FAN		
CM	CONSTRUCTION MANAGER	GV	GRAVITY VENTILATOR	RG	RETURN GRILLE		
CNTR	COUNTER; COUNTERTOP	H	HUMIDIFIER	RHC	REHEAT COIL		
CONN	CONNECT; CONNECTION	HB	HOSE BIB	RM	ROOM		
CONT	CONTINUE; CONTINUATION	HC; HDC	HANDICAP ACCESS	RPZ	REDUCED PRESSURE BFP		
COORD	COORDINATE	HGT. HT.	HEIGHT	RR	RETURN REGISTER		
CORR	CORRIDOR	HP	HEAT PUMP	RV	RELIEF VALVE		
CR	CHEMICAL RESISTING	HRRU	HEAT RECOVERY UNIT	RW	RAIN WATER		
CT	COOLING TOWER	HTR	HEATER	S	SUPPLY AIR		
CTE	CONNECT TO EXISTING	H & V	HEATING AND VENTILATION	SA-#	SHOCK ABSORBER OF PDI SIZE ("")		
CTR	CENTER	HVAC	HEATING, VENTILATING, & AIR COND.	AS INDICATED	AS INDICATED		
CTRLN	CENTERLINE	HW	HOT WATER	SCV	SELF CONTAINED VALVE		
CU	COPPER	HWR	HOT WATER RETURN	SD	SMOKE DAMPER		
CUH	CABINET UNIT HEATER	HWS	HOT WATER SUPPLY	SF	SUPPLY FAN		
C.V.	CONTROL VALVE	HX	HEAT EXCHANGER	SG	SUPPLY GRILLE		
CW	COLD WATER/CLOCKWISE	ID	INSIDE DIAMETER	SGL	SINGLE		
DB	DRY BULB TEMPERATURE, °F	IN WG	INCHES WATER GAUGE	SHT	SHEET		
DC	DOUBLE CONTAINED	INCL	INCLUDING	SPLR	SPRINKLER		
DDC	DIRECT DIGITAL CONTROL	INV EL	INVERT ELEVATION	SQ FT; S. F.	SQUARE FEET		
DET	DETAIL	IPS	IRON PIPE SIZE	SR	SUPPLY REGISTER		
DIA	DIAMETER	KE#	KITCHEN EQUIPMENT NUMBER	S/O	SHUT OFF		
DIC	DOWN IN CHASE	LD	LINEAR DIFFUSER	S.S.	STAINLESS STEEL		
DIW	DOWN IN WALL	LE#	SCIENCE LAB EQUIPMENT NUMBER	TG	TRANSFER GRILLE		
				TOD	TOP OF DUCT		

**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.

A1 PIPING LINETYPE LEGEND

NONE	
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A4 ABBREVIATIONS

NONE	
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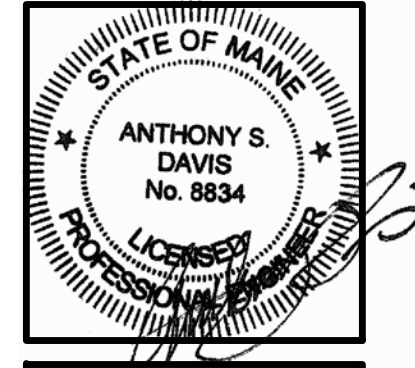
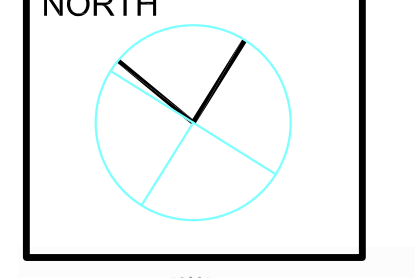


49 DARTMOUTH STREET  
 PORTLAND, MAINE 04101  
 207-775-1059  
 www.pdtarchs.com

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allied Project No: 14-024  
 CAD File: 14024\_P

Minor Interior Renovations at 196 Allen Avenue for  
 Casco Bay High School 196 Allen Avenue,  
 Portland Maine



JOB NO.  
 14036

DRWN. CHK

SCALE:  
 As indicated

ISSUE STATUS  
 CONSTRUCTION  
 ISSUE DATE  
 APRIL 18, 2014

TITLE  
 HVAC & PLUMBING  
 ABBREVIATIONS  
 LEGENDS

SHEET  
**PL-000**

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