

E1 SYMBOLS LEGEND

NONE

AW	ACID WASTE	LPR	LOW-PRESSURE CONDENSATE
ATV	AIR RELIEF	LPS	LOW-PRESSURE STEAM
BBD	BOILER BLOWDOWN	MA	MEDICAL AIR
C	CONDENSATE (HVAC DRAIN PAN)	MPR	MEDIUM-PRESSURE CONDENSATE
C	CONDENSATE (HVAC DRAIN PAN - BELOW FLOOR)	MPS	MEDIUM-PRESSURE STEAM
CA	COMPRESSED AIR	MU	MAKEUP WATER
CHWR	CHILLED WATER RETURN	N2	NITROGEN
CHWS	CHILLED WATER SUPPLY	NCW	NON-POTABLE COLD WATER
CWS	CONDENSER WATER SUPPLY	NG	NATURAL GAS
CWR	CONDENSER WATER RETURN	NHW	NON-POTABLE HOT WATER
DCW	DOMESTIC COLD WATER (DCW)	NO	NITROUS OXIDE
DHW	DOMESTIC HOT WATER (DHW)	OX	OXYGEN
DHW	DOMESTIC WATER RECIRC. (DHW)	PC	PUMPED CONDENSATE
D	DRAIN	PCWR	PROCESSED COLD WATER RETURN
FM	PUMP FORCE MAIN	PCWS	PROCESSED COLD WATER SUPPLY
FOF	FUEL OIL FILL	RD	REFRIGERANT DISCHARGE
FOR	FUEL OIL RETURN	RL	REFRIGERANT LIQUID
FOS	FUEL OIL SUPPLY	RS	REFRIGERANT SUCTION
FOV	FUEL OIL TANK VENT	RO	REVERSE OSMOSIS WATER
FW	FEEDWATER	RW	RAIN WATER ABOVE FLOOR
GR	GLYCOL RETURN	RWB	RAIN WATER BELOW GRADE
GS	GLYCOL SUPPLY	SP	SPRINKLER MAIN PIPING
H	HUMIDIFICATION LINE	SWR	SOLAR WATER RETURN
H2	HYDROGEN GAS	SWS	SOLAR WATER SUPPLY
HPWR	HEAT PUMP WATER RETURN	TP	TRAP PRIMER PIPING ABOVE GRADE
HPWS	HEAT PUMP WATER SUPPLY	TP	TRAP PRIMER PIPING BELOW GRADE
HPC	HIGH-PRESSURE CONDENSATE	TWR	TEMPERED RETURN WATER
HPS	HIGH-PRESSURE STEAM	TWS	TEMPERED SUPPLY WATER
HTWR	HIGH-TEMP. HOT WATER RETURN	V	SANITARY SOIL VENT (ABOVE FLOOR)
HWR	HOT WATER RETURN	V	SANITARY SOIL VENT (BELOW FLOOR)
HWS	HOT WATER SUPPLY	VAC	VACUUM (AIR)
IND	INDUSTRIAL WASTE	VC	VACUUM CLEANING (HOUSE)
IW	INDIRECT WASTE	VPD	VACUUM PUMP DISCHARGE
LN	LIQUID NITROGEN	W	SANITARY SOIL WASTE (ABOVE FLOOR)
LOX	LIQUID OXYGEN	WB	SANITARY SOIL WASTE (BELOW FLOOR)
LPC	LOW-PRESSURE CONDENSATE	WV	SANITARY WET VENT (ABOVE FLOOR)
LP	LIQUID PETROLEUM GAS	WV	SANITARY WET VENT (BELOW FLOOR)

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

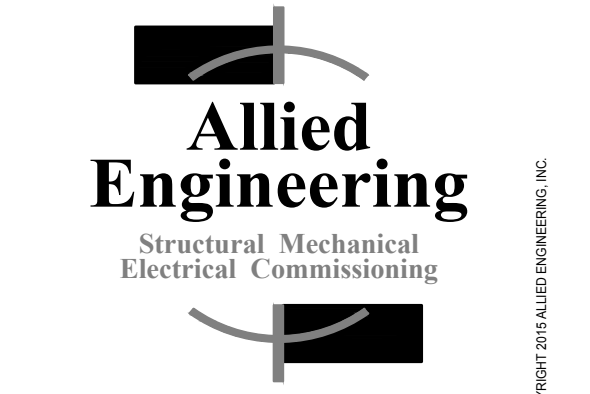
ST 1	REGISTER, GRILLE & DIFFUSER TAG	ST 1	REGISTER, GRILLE OR GRILLE No.
ST 1	QUANTITY	ST 1	QUANTITY
ST 1	CFM AIR FLOW	ST 1	CFM AIR FLOW
FT#	FINTUBE TAG	FT#	FINTUBE No.
FT#	LENGTH	FT#	LENGTH
FT#	GPM	FT#	GPM
VAV-1	VAV TAG	VAV-1	VAV No.
VAV-1	MINIMUM CFM	VAV-1	MINIMUM CFM
VAV-1	MAXIMUM CFM	VAV-1	MAXIMUM CFM
VAV-1	GPM	VAV-1	GPM
AH-1	EQUIPMENT TAG	AH-1	TYPE DESIGNATOR NUMBER
AH-1	NUMBER	AH-1	NUMBER
AH-1	EQUIPMENT TAG (ON FLOOR/ROOF ABOVE)	AH-1	TYPE DESIGNATOR NUMBER
AH-1	NUMBER	AH-1	NUMBER
A1	DETAIL REFERENCE SYMBOL	A1	DETAIL No.
A1	SHEET DETAIL LOCATED ON	A1	SHEET DETAIL LOCATED ON
M-3	SECTION REFERENCE SYMBOL	M-3	SECTION No.
M-3	SHEET SECTION LOCATED ON	M-3	SHEET SECTION LOCATED ON
A	SECTION REFERENCE SYMBOL	A	SECTION No.
A	SHEET SECTION LOCATED ON	A	SHEET SECTION LOCATED ON
MH-100	SECTION REFERENCE SYMBOL	MH-100	SECTION No.
MH-100	SHEET SECTION LOCATED ON	MH-100	SHEET SECTION LOCATED ON
DSD	DUCT SMOKE DETECTOR	DSD	DUCT SMOKE DETECTOR
EF	ROOFTOP EXHAUST FAN	EF	ROOFTOP EXHAUST FAN
SF	ROOFTOP SUPPLY FAN	SF	ROOFTOP SUPPLY FAN
4-WAY	CEILING DIFFUSER - 4-WAY BLOW	4-WAY	CEILING DIFFUSER - 4-WAY BLOW
3-WAY	CEILING DIFFUSER - 3-WAY BLOW	3-WAY	CEILING DIFFUSER - 3-WAY BLOW
2-WAY	CEILING DIFFUSER - 2-WAY BLOW	2-WAY	CEILING DIFFUSER - 2-WAY BLOW
CORNER	CEILING DIFFUSER - CORNER BLOW	CORNER	CEILING DIFFUSER - CORNER BLOW
GRILLE	CEILING RETURN GRILLE	GRILLE	CEILING RETURN GRILLE
GRILLE	CEILING EXHAUST GRILLE	GRILLE	CEILING EXHAUST GRILLE
POINT	POINT OF CONNECTION EXISTING TO NEW	POINT	POINT OF CONNECTION EXISTING TO NEW
ARROW	DIRECTION OF AIR FLOW	ARROW	DIRECTION OF AIR FLOW

**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.

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PROJECT NAME:  
**WAYNFLETE  
LOWER SCHOOL**  
ADDITION & RENOVATIONS

WAYNFLETE SCHOOL  
360 SPRING STREET  
PORTLAND, MAINE 04102



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**PLUMBING AND  
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LEGEND AND  
ABBREVIATIONS**

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