

**E1 SYMBOLS LEGEND**  
NO SCALE

AW	ACID WASTE	LPR	LOWPRESSURE CONDENSATE
ATV	AIR RELIEF	LPS	LOWPRESSURE 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	NG	NATURAL GAS
CWS	CONDENSER WATER SUPPLY	NO	NITROUS OXIDE
CWR	CONDENSER WATER RETURN	NPW	NON-POTABLE WATER
---	DOMESTIC COLD WATER	OX	OXYGEN
---	DOMESTIC HOT WATER	PC	PUMPED CONDENSATE
---	DOMESTIC WATER RECIRC.	PCWR	PROCESSED COLD WATER RETURN
D	DRAIN	PCWS	PROCESSED COLD WATER SUPPLY
FM	PUMP FORCE MAIN	RD	REFRIGERANT DISCHARGE
FOF	FUEL OIL FILL	RL	REFRIGERANT LIQUID
FOR	FUEL OIL RETURN	RS	REFRIGERANT SUCTION
FOS	FUEL OIL SUPPLY	RW	RAIN WATER ABOVE FLOOR
FOV	FUEL OIL TANK VENT	--- RW ---	RAIN WATER BELOW GRADE
FW	FEEDWATER	---	SANITARY SOIL WASTE (ABOVE FLOOR)
GR	GLYCOL RETURN	---	SANITARY SOIL WASTE (BELOW FLOOR)
GS	GLYCOL SUPPLY	---	SANITARY SOIL VENT (ABOVE FLOOR)
H	HUMIDIFICATION LINE	---	SANITARY SOIL VENT (BELOW FLOOR)
H2	HYDROGEN GAS	SV	SANITARY WASTE & VENT COMBINATION
HPWR	HEAT PUMP WATER RETURN	SP	SPRINKLER MAIN PIPING
HPWS	HEAT PUMP WATER SUPPLY	SWR	SOLAR WATER RETURN
HPC	HIGH-PRESSURE CONDENSATE	SWS	SOLAR WATER SUPPLY
HPS	HIGH-PRESSURE STEAM	TP	TRAP PRIMER PIPING ABOVE GRADE
HTWR	HIGH-TEMP. HOT WATER RETURN	--- TP ---	TRAP PRIMER PIPING BELOW GRADE
HWR	HOT WATER RETURN	TWR	TEMPERED RETURN WATER
HWS	HOT WATER SUPPLY	TWS	TEMPERED SUPPLY WATER
IND	INDUSTRIAL WASTE	VAC	VACUUM (AIR)
IW	INDIRECT WASTE	VC	VACUUM CLEANING (HOUSE)
LN	LIQUID NITROGEN	VPD	VACUUM PUMP DISCHARGE
LOX	LIQUID OXYGEN		
LPC	LOWPRESSURE CONDENSATE		
LP	LIQUID PETROLEUM GAS		

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

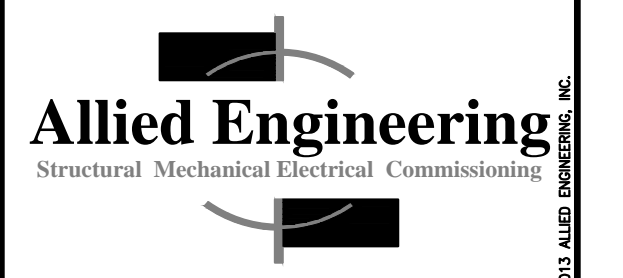
**A1 PIPING LINETYPE LEGEND**  
NO SCALE

**A4 ABBREVIATIONS**  
NO SCALE

**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.



Scott Simons Architects  
75 York Street, Portland, Maine 04101  
www.simonsarchitects.com  
207.772.4656

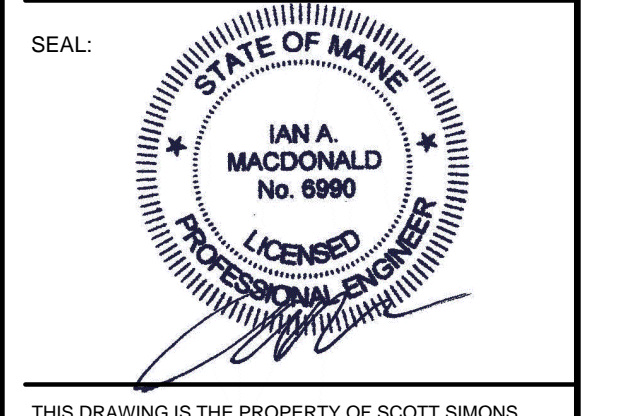


160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

Allied Project No: 15-023  
Cad File: 14023\_M.dwg

**PATRONS OXFORD OFFICES**

PORTLAND TECHNOLOGY PARK  
RAND ROAD, PORTLAND, ME



THIS DRAWING IS THE PROPERTY OF SCOTT SIMONS ARCHITECTS (SSA) AND IS NOT TO BE COPIED OR REPRODUCED IN PART OR WHOLE.  
©2015 © SCOTT SIMONS ARCHITECTS, LLC

REVISION:

1	DATE
2	DATE
3	DATE
4	DATE
5	DATE
6	DATE

DATE OF ISSUE: 14 January, 2016  
PROJECT NUMBER: 2105-0100 Patrons Oxford  
STATUS: Construction Documents

**PLUMBING & MECHANICAL NOTES, LEGENDS & ABBREVIATIONS**