—— HTWR —	— HIGH-TEMP. HOT WATER RETURN	———TWR—
—— HWR —		——
—— HWS —		—— VAC —
IND		—— VC —
IW	INDIRECT WASTE	VPD
——— LN ——		
—— LOX —	LIQUID OXYGEN	
LPC	— LOWPRESSURE CONDENSATE	
LP		
A1	PIPING LINETYPE LEGEND	
NO SCALE		

LPS	LOWPRESSURE 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
——————————————————————————————————————	TEMPERED SUPPLY WATER
—— VAC ——	VACUUM (AIR)
VC	VACUUM CLEANING (HOUSE)
VPD	VACUUM PUMP DISCHARGE

------ LPR ------ LOWPRESSURE CONDENSATE

— AW — ACID WASTE

------ C ------ CONDENSATE

---- C---- CONDENSATE

—— CA —— COMPRESSED AIR

----- DOMESTIC COLD WATER

— – – – — DOMESTIC WATER RECIRC.

------ FM ------ PUMP FORCE MAIN

-----FOR ------ FUEL OIL RETURN

------ FOS ------- FUEL OIL SUPPLY ------ FOV ------- FUEL OIL TANK VENT

------ FOF ------- FUEL OIL FILL

------ FW ------- FEEDWATER

------ GR ------- GLYCOL RETURN

------ GS ------ GLYCOL SUPPLY

H2 H2 HYDROGEN GAS

------- H ------- HUMIDIFICATION LINE

------ HPC ------ HIGH-PRESSURE CONDENSATE

— D — DRAIN

CONDENSER WATER RETURN

BBD BD BOILER BLOWDOWN

(HVAC DRAIN PAN)

(HVAC DRAIN PAN - BELOW FLOOR)

—— ATV —— AIR RELIEF

Ī												
	с <u> </u> Э	PIPE ELBOW TURNED DN	X	GLOBE VALVE		STEAM TRAP (FLOAT & THERMOSTATIC INDICATED		EXPANSION LOOP		CHANGE IN ELEVATION (UP/DOWN, RISE OR DROP)		MOTOR
	0 	PIPE ELBOW TURNED UP PIPING TEE DOWN		LOCKABLE BALL VALVE		T.T. = THERMOSTATIC TRAP, B.T. = BUCKET TRAP)		EXPANSION LOOP (BRAIDED/MANUFACTURED)		SUPPLY DUCT TURNED UP/DN		FLEXIB
G	o	PIPING TEE UP	↓₹ı ₹	PLUG VALVE 2-WAY CONTROL VALVE		PUMP ~ POINT OF TRIANGLE INDICATES DIRECTION OF FLOW	\bigcirc	FLOOR DRAIN		RETURN DUCT TURNED UP/DN	T	TEMPEI THERM
	0 	PIPE RISER 45° ELBOW DOWN		3-WAY CONTROL VALVE	G	GAS SHUT-OFF VALVE	ullet	SHOCK ABSORBER (WATER HAMMER ARRESTER)		EXHAUST DUCT TURNED UP/DN	(H)	HUMIDI SENSOI
	******	PIPING TO BE REMOVED	K	LOCK & SHIELD VALVE		HOSE END DRAIN VALVE W/CAP	\sim	FIRE DEPARTMENT CONNECTION		ROUND DUCT TURNED UP/DN		CARBO
-]	CAPPED PIPING CAPPED BELOW			Ţ	TEMPERATURE/PRESSURE TAP (PETE'S PLUG)	\sim	FREE STANDING FIRE DEPARTMENT CONNECTION		MITERED DUCT ELBOW	(D) AP	CARBO ACCES
	₩	FINISHED FLOOR		BALANCING VALVE (CIRCUIT SETTER)	Щ	THERMOMETER WITH COCK	£	WATER GONG		W/TURNING VANES		DUCT S
	<u>\</u>	ECCENTRIC REDUCER	Ψ	AIR VENT ~ REFER TO SPECIFICATIONS	B	SOLENOID VALVE	L	DUCTWORK ~ FIRST DIMENSION IS SIDE SHOWN IN INCHES		RADIUS DUCT ELBOW		ROOFT
F		DIRECTION OF FLOW		STRAINER WITH BLOWDOWN VALVE AND CAP		ORIFICE FLOWMETER	2 12×85 2	SIDE SHOWN IN INCLES S= SUPPLY, R= RETURN, E= EXHAUST, OA= OUTSIDE AIR F.O. = FLAT OVAL		DUCT/PIPE CAP (SINGLE/DOUBLE LINE)	()) _{SF-}	ROOFT
		PIPE GUIDE		EXPANSION VALVE (AUTOMATIC)	<u>DP</u>	DIFFERENTIAL PRESSURE TRANSMITTER		ACCOUSTICAL LINING (DUCT DIMENSION FOR NET FREE		VOLUME DAMPER	\boxtimes	CEILING
	— — × — – –	EXPANSION JOINT PIPE ANCHOR		RELIEF/SAFETY VALVE	HVVVV	HUMIDIFIER (DUCT/AHU MOUNTED)	**************************************	AREA)				CEILING
_		UNION	P	PRESSURE GAUGE WITH COCK	×+	FINNED TUBE BASEBOARD HOSE BIB/WALL HYDRANT	******	DUCTWORK TO BE REMOVED	FD	FIRE DAMPER		CEILING
		FLANGED CONNECTION		SIGHT GLASS PRESSURE REDUCING		FLOOR CLEANOUT	******	SINGLE LINE DUCTWORK TO BE REMOVED		SMOKE DAMPER		CEILING
		BACKFLOW PREVENTER	PRV	VALVE	_ ►K	FUSIBLE LINK VALVE		DUCT TRANSITION	SD SD		\bullet	POINT (EXISTIN
Е		SHUT-OFF/ISOLATION VALVE REFER TO SPECIFICATIONS		FLOW SWITCH SELF-CONTAINED TEMP.	^I wco	WALL CLEANOUT		SQUARE TO ROUND TRANSITION	FSD	FIRE AND SMOKE DAMPER	-	DIRECT
	<u> </u>	GATE VALVE ~ OUTSIDE SCREW & YOKE (OS&Y)		CONTROL VALVE WITH REMOTE SENSOR	Ŷ	AQUASTAT		FLEX DUCT ~ DOUBLE LINE FLEX DUCT ~ SINGLE LINE		BACKDRAFT DAMPER		
╞	E1	SYMBOLS LEGEND					<u> </u>					
ŀ	NO SCALE											
	Ł											

ATED	[EXPANSION LC	OOP		CHANGE IN ELEVATION (UP/DOWN, RISE OR DROP)		MOTORIZED DAMPER		REGISTER, GRILLE & DIFFUSER TAG — DIFFUSER, REGISTER OR GRILLE No.	
TRAP,		EXPANSION LC (BRAIDED/MAN			SUPPLY DUCT TURNED UP/DN		FLEXIBLE CONNECTION	S1 1 100	— QUANTITY — CFM AIR FLOW	
	\bigcirc	FLOOR DRAIN					TEMPERATURE SENSOR OF THERMOSTAT (AS SPECIFIE		<u>FINTUBE TAG</u> — FINTUBE No.	scott simons architects
	ullet	SHOCK ABSOR (WATER HAMM	RBER IER ARRESTER)		RETURN DUCT TURNED UP/DN	E E	HUMIDISTAT OR HUMIDITY	8'-0" 2.1	LENGTH GPM	designed for noman poremitar
	\sim	,			EXHAUST DUCT TURNED UP/DN		SENSOR (AS SPECIFIED) CARBON DIOXIDE SENSOR	VAV-1	<u>VAV TAG</u> — VAV No.	
					ROUND DUCT TURNED UP/DN		CARBON MONOXIDE SENSC	DR 100 -	— MINIMUM CFM — MAXIMUM CFM — GPM	Scott Simons Architects 75 York Street, Portland, Maine 04101
URE	\sim	FREE STANDIN DEPARTMENT			MITERED DUCT ELBOW W/TURNING VANES	AP	ACCESS PANEL		EQUIPMENT TAG	www.simonsarchitects.com 207.772.4656
СОСК	<u>유</u>	WATER GONG			W/TORNING VANES		DUCT SMOKE DETECTOR		TYPE DESIGNATOR NUMBER	
		DUCTWORK ~ I	FIRST DIMENSION IS		RADIUS DUCT ELBOW	(<u>)</u>	ROOFTOP EXHAUST FAN	<u> </u>	EQUIPMENT TAG (ON FLOOR/ROOF ABOVE	
	12×85	SIDE SHOWN II S= SUPPLY, R=	N INCHES ₌ RETURN,		DUCT/PIPE CAP		ROOFTOP SUPPLY FAN		TYPE DESIGNATOR NUMBER	Allied Engineering
JRE		F.O. = FLAT OV			(SINGLE/DOUBLE LINE)	\square	CEILING DIFFUSER ~ 4-WAY	BLOW	DETAIL REFERENCE SYMBOL	
J MOUNTED)	<u> </u>	ACCOUSTICAL DIMENSION FO AREA)			VOLUME DAMPER	\square	CEILING DIFFUSER ~ 3-WAY	A1	DETAIL No. SHEET DETAIL LOCATED ON	160 Veranda Street Portland, Maine 04103
ARD	******					\square	CEILING DIFFUSER ~ 2-WAY	Y BLOW		T: 207.221.2260 8 F: 207.221.2266 6 Web: www.allied-eng.com
ANT	××××××××××	DUCTWORK TO) BE REMOVED	FD FD	FIRE DAMPER		CEILING DIFFUSER ~ CORNI		SECTION REFERENCE SYMBOL	
	*****	SINGLE LINE D TO BE REMOVE			SMOKE DAMPER		CEILING EXHAUST GRILLE	A MH-100		Allied Project No: 15-023 Cad File: 14023_M.dwg
		DUCT TRANSIT			SMOKE DAMPER	\bullet	POINT OF CONNECTION EXISTING TO NEW			Cad File: 14023_IN.dwg
					FIRE AND SMOKE DAMPER	-	DIRECTION OF AIR FLOW			
			OUND TRANSITION	' FSD '		-				
		FLEX DUCT ~ D			BACKDRAFT DAMPER					
AAV AC	AUTOMATIC AIR VENT ABOVE CEILING			DETAIL DIAMETER	ID IN WG	INSIDE DIAMETER INCHES WATER GAUGE	SD SF	SMOKE DAMPER SUPPLY FAN		
ACC ACU	AIR COOLED CONDENSI			DOWN IN CHASE DOWN IN WALL	INCL INV EL	INCLUDING INVERT ELEVATION	SG SGL	SUPPLY GRILLE SINGLE		
ADA AD	AMERICANS WITH DISA ACCESS DOOR	BILITIES ACT		DOWN DOWNSPOUT	IPS KE-#	IRON PIPE SIZE KITCHEN EQUIPMENT NU	SHT	SHEET SPRINKLER		
AE	ACID EXHAUST		DT	DROP AND TRANSITION	LD LE-#	LINEAR DIFFUSER SCIENCE LAB EQUIPMEN	SQ FT; S. F.	SQUARE FEET		PROJECT NAME:
AW AFF; A.F.F.	ACID WASTE ABOVE FINISHED FLOOF	R		DRAIN VALVE DRAWING	LP	LIQUID PETROLEUM GAS	SR S/O	SUPPLY REGISTER SHUT OFF		PATRONS OXFORD
AHU AP	AIR HANDLING UNIT ACCESS PANEL			EXHAUST AIR EXHAUST FAN	LPR LPS	LOW PRESSURE STEAM F	ა.ა.	STAINLESS STEEL TRENCH DRAIN		OFFICES
APPROX	APPROXIMATE; APPROX		EG	EXHAUST GRILLE	MAX		TG	TRANSFER GRILLE		PORTLAND TECHNOLOGY PARK RAND ROAD, PORTLAND, ME
APMR ATC	AS PER MFR'S RECOMM AUTOMATIC TEMPERAT			ELEVATION ELONGATE	MBH MFR	1000 BTU/HR. MANUFACTURER	TOD TP	TOP OF DUCT TRAP PRIMER		
AV	AIR VENT			ENCLOSURE	MIN		TSP	TOTAL STATIC PRESSURE		
BC BDD	BALANCING COCK BACKDRAFT DAMPER			EXHAUST REGISTER EXTERNAL STATIC PRESSURI	MOD <u>-</u> MPG	MOTOR OPERATED DAMP MEDIUM PRESSURE GAS	115	TIGHT TO STEEL TURNING VANE		SEAL:
BDD	BLAST GATE			EXPANSION TANK	- MPV MTD	MULTI-PURPOSE VALVE MOUNTED	TV TW	TEMPERED WATER		IAN A.
BF			. ,		MTG	MOUNTING	TYP	TYPICAL		
BFP BHP	BACKFLOW PREVENTEF BRAKE HORSEPOWER	R		FLOAT AND THERMOSTATIC FURNISHED BY OTHERS	MUA N.C.	MAKE UP AIR NORMALLY CLOSED	UH			No. 6990
BLDG	BUILDING			FACE AND BYPASS	N.O.	NORMALLY OPEN	UIC UIW	UP IN CHASE UP IN WALL		No. 6990
BOD	BOTTOM OF DUCT			FLEXIBLE CONNECTION	NIC	NOT IN CONTRACT	UV	UNIT VENTILATOR		SO VAL ENVILLE
B.T.U. C; CONV.	BRITISH THERMAL UNIT CONVECTOR	Ī		FLOOR CLEANOUT FLOOR DRAIN TAG	NPT NTS	NATIONAL PIPE THREAD NOT TO SCALE	V	VENT		
C; CONV. CCW	CONVECTOR COUNTER CLOCKWISE			FIRE DAMPER	OA	OUTSIDE AIR	VAC VB	VACUUM VACUUM BREAKER		THIS DRAWING IS THE PROPERTY OF SCOTT SIMONS ARCHITECTS (SSA) AND IS NOT TO BE COPIED OR
CFF	CAPPED FOR FUTURE			FINISH	OBD OD	OPPOSED BLADE DAMPE OUTSIDE DIAMETER	R VCFF	VALVE & CAP FOR FUTURE		ARCHITECTS (SSA) AND IS NOT TO BE COPIED OR REPRODUCED IN PART OR WHOLE. 2015 © SCOTT SIMONS ARCHITECTS, LLC
CFM CLG	CUBIC FEET PER MINUT CEILING	IE		FLOOR FOOTING	OED	OPEN ENDED DUCT	VD	VOLUME DAMPER - MANUA	L	REVISION:
CO	CLEANOUT			FINNED TUBE RADIATION	P-#	PLUMBING FIXTURE TAG PUMPED DISCHARGE				1 DATE
CM	CONSTRUCTION MANAG	GER	FS	FLOW SWITCH	PD PRS	PUMPED DISCHARGE PRESSURE REDUCING ST	VS TATION VTR	VENT STACK VENT THROUGH ROOF		2 DATE
CNTR	COUNTER; COUNTERTO				PRV	PRESSURE REDUCING VA	VIIX	WASTE		3 DATE
CONN CONT	CONNECT; CONNECTIO CONTINUE; CONTINUAT			GENERAL CONTRACTOR GALLONS PER MINUTE	RA	RETURN AIR	W/	WITH		4 DATE
CONT	CONTINUE; CONTINUAT COORDINATE			GRAVITY VENTILATOR	RD		WB	WET BULB TEMPERATURE,	°F	5 DATE
CORR	CORRIDOR			HUMIDIFIER	REC REG	RECOMMENDATION REGULAR	WCO WH	WALL CLEANOUT WATER HEATER		6 DATE
CR	CHEMICAL RESISTING			HOSE BIB	RF	RETURN FAN	WHYD	WALL HYDRANT		
CT	COOLING TOWER	<u>.</u>		HANDICAP ACCESS HEIGHT	RG	RETURN GRILLE	NTS	NOT TO SCALE		DATE OF ISSUE: 14 January, 2016
CTE CTR	CONNECT TO EXISTING CENTER			HEIGHT HEAT PUMP	RHC	REHEAT COIL	Ø	DIAMETER AT		PROJECT NUMBER: 2105-0100 Patrons Oxford
CTRLN	CENTERLINE			HEAT RECOVERY UNIT	RM RPZ	ROOM REDUCED PRESSURE BF	س ۹	AT		STATUS: Construction Documents
CU	COPPER			HEATER	RR	RETURN REGISTER	%	PERCENT		
CUH				HEATING AND VENTILATION	RV	RELIEF VALVE				PLUMBING &
C.V. CW	CONTROL VALVE COLD WATER/CLOCKWI	ISE		HEATING, VENTILATING, & AIF HOT WATER	R COND. RW	RAIN WATER SUPPLY AIR				MECHANICAL
DB	DRY BULB TEMPERATU		HWR	HOT WATER RETURN	S SA-" "	SHOCK ABSORBER OF PE	DI SIZE (" ")		NOTE	NOTES, LEGENDS
DC	DOUBLE CONTAINED			HOT WATER SUPPLY		AS INDICATED			YMBOL LEGENDS, AND DETAILS ARE TO LICABLE TO ALL PLUMBING AND HVAC	& ABBREVIATIONS
DDC	DIRECT DIGITAL CONTR	KOL	HX	HEAT EXCHANGER	SCV	SELF CONTAINED VALVE		DRAWINGS FOR THIS PR	OJECT. SYMBOLS AND ABBREVIATIONS	
									ARE FOR REFERENCE ONLY AND DO NOT ORATION INTO THE DESIGN.	
										- PL-000
A4	ABBREVIATIONS									

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A4 ABBREVIATION

NO SCALE