

FILE NAME: X:\17605-ANSEP\Drawings\Sheet Files\17605 - M001.dwg
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ABBREVIATIONS			GENERAL		PLUMBING			GENERAL PIPING		
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	ABBR.	DESCRIPTION	SYMBOL	ABBR.	DESCRIPTION	
⊙	AT	IN HG	INCHES MERCURY	1		CW	COLD WATER	□	BALL VALVE	
&	AND	IN WC	INCHES WATER COLUMN	2		HW	HOT WATER	◇	GATE VALVE	
#	NUMBER	INSUL	INSULATION			HWC	HOT WATER CIRCULATION	○	GLOBE VALVE	
%	PERCENT	IPS	INTERNATIONAL PIPE STANDARD			V	VENT	∞	BUTTERFLY VALVE	
AD	ACCESS DOOR	K	THERMAL CONDUCTIVITY			TP	TRAP PRIMER	⊕	TRIPLE DUTY VALVE	
AAP	AREA ALARM PANEL	KW	KILOWATT			FM	FORCE MAIN, WASTE WATER	∠	CHECK VALVE	
ADA	AMERICANS WITH DISABILITIES ACT	KWH	KILOWATT HOUR			W	WASTE WATER	↺	BACKFLOW PREVENTER ASSEMBLY	
AF	ABOVE FINISHED FLOOR	LAT	LEAVING AIR TEMPERATURE			SD	STORM DRAIN	⊗	PRESSURE REDUCING VALVE	
AFG	ABOVE FINISHED GRADE	LBS	POUNDS			RL, ORL	RAINLEADER, OVERFLOW RAINLEADER	⊘	PRESSURE REGULATOR VALVE	
AHJ	AUTHORITY HAVING JURISDICTION	LF	LINEAR FEET			HB	HOSE BIB	⊖	PLUG VALVE	
AHU	AIR-HANDLING UNIT	L	LENGTH			WHA	WATER HAMMER ARRESTER	⊕	SOLENOID OPERATED VALVE	
ALT	ALTERNATE	LWT	LEAVING WATER TEMPERATURE			PDI	PLUMBING AND DRAINAGE INSTITUTE WATER HAMMER ARRESTER SIZE A, B, C, D, OR E	⊕	MOV	
AMB	AMBIENT	LOC	LOCATION/LOCATED			FCO, YCO	FLOOR CLEANOUT, YARD CLEANOUT	⊕	MOV	
AMCA	AIR MOVEMENT AND CONTROL ASSOCIATION	LP	LOW PRESSURE			WCO	WALL CLEANOUT	⊕	2 WAY PNEUMATIC OPERATED VALVE	
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	LR	LONG RADIUS			FD, FS	FLOOR DRAIN, FLOOR SINK	⊕	3 WAY PNEUMATIC OPERATED VALVE	
APD	AIR PRESSURE DROP	MAN	MANUAL			RD, ORD	ROOF DRAIN, OVERFLOW ROOF DRAIN	⊕	BALANCING VALVE	
APPROX	APPROXIMATE	MAT	MIXED AIR TEMPERATURE					⊕	FCV	
AR	ACID RESISTANT	MAV	MANUAL AIR VENT					⊕	SV	
ARCH	ARCHITECTURAL	MAX	MAXIMUM					⊕	VB	
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	MBH	THOUSAND BTU PER HOUR					⊕	AAV	
ATM	ATMOSPHERE	MECH	MECHANICAL					⊕	MAV	
AUTO	AUTOMATIC	MFR	MANUFACTURER					⊕	PTTP	
AVG	AVERAGE	MH	MANHOLE					⊕		
AWG	AMERICAN WIRE GAUGE	MIN	MINIMUM, MINUTE					⊕		
BAS	BUILDING AUTOMATION SYSTEM	MPH	MILES PER HOUR					⊕		
BDD	BACKDRAFT DAMPER	MTD	MOUNTED					⊕		
BHP	BRAKE HORSEPOWER, BOILER HORSEPOWER	N/A	NOT APPLICABLE					⊕		
BLW	BUILDING	NC	NOISE CRITERIA, NORMALLY CLOSED					⊕		
BOD	BOTTOM OF DUCT	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION					⊕		
BOP	BOTTOM OF PIPE	NO	NORMALLY OPEN, NUMBER					⊕		
BTU	BRITISH THERMAL UNIT	NTS	NOT TO SCALE					⊕		
BTUH	BTU PER HOUR	OD	OUTSIDE DIAMETER					⊕		
C	COMMON, CONDENSATE	OFOI	OWNER FURNISHED, OWNER INSTALLED					⊕		
C-C	CENTER TO CENTER	OSA	OUTSIDE AIR					⊕		
CAP	CAPACITY, END CAP	OZ	OUNCE					⊕		
CCW	COUNTER-CLOCKWISE	PD	PRESSURE DROP OR DIFFERENCE					⊕		
CF	COOLING FAN, CIRCULATING FAN, CUBIC FOOT	PG	PROPYLENE GLYCOL					⊕		
CFM	CUBIC FEET PER MINUTE	PL	PLATE					⊕		
CI	CAST IRON	PLBG	PLUMBING					⊕		
CL	CENTER LINE	POC	POINT OF CONNECTION					⊕		
CLG	CEILING	PNL	PANEL					⊕		
CMPR	COMPRESSOR	PH	PHASE (ELECTRICAL)					⊕		
COEF	COEFFICIENT	PPM	PARTS PER MILLION					⊕		
CONC	CONCRETE	PSI	POUNDS PER SQUARE INCH					⊕		
COND	CONDENSER	PSIA	POUNDS PER SQUARE INCH - ABSOLUTE					⊕		
CTR	CENTER	PSID	POUNDS PER SQUARE INCH - DIFFERENTIAL					⊕		
CU	COPPER, CONDENSING UNIT	PSIG	POUNDS PER SQUARE INCH - GAUGE					⊕		
CU IN	CUBIC INCH	PRESS	PRESSURE					⊕		
CV	VALVE FLOW COEFFICIENT	PRI	PRIMARY					⊕		
CW	CLOCKWISE	R-407C, R-410A	REFRIGERANT (407C, 410A, ETC.)					⊕		
DB	DECIBEL	R/A	RETURN AIR					⊕		
DBT	DRY-BULB TEMPERATURE	RAD	RADIANT OR RADIATION					⊕		
DDC	DIRECT DIGITAL CONTROL	RCVR	RECEIVER					⊕		
DEG OR °	DEGREE	RECIRC	RECIRCULATE					⊕		
DEG C	DEGREE CENTIGRADE	RED	REDUCER					⊕		
DEG F	DEGREE FAHRENHEIT	REFRIG	REFRIGERATION					⊕		
DEMO	DEMOLITION	REV	REVOLUTIONS					⊕		
DENS	DENSITY	RF	RELIEF FAN OR RETURN FAN					⊕		
DGM	DIAGRAM	RH	RELATIVE HUMIDITY					⊕		
DI	DUCTILE IRON	RM	ROOM					⊕		
DIA OR ∅	DIAMETER	RPM	REVOLUTIONS PER MINUTE					⊕		
DIFF	DIFFERENCE OR DELTA	RPS	REVOLUTIONS PER SECOND					⊕		
DIP	DUCTILE IRON PIPE	S/A	SUPPLY AIR					⊕		
DN	DOWN	SAT	SATURATION					⊕		
DO	DITTO	SCHD	SCHEDULE					⊕		
DTL	DETAIL	SCFM	STANDARD CUBIC FEET PER MINUTE					⊕		
DWDI	DOUBLE WIDTH DOUBLE INLET	SD	STORM DRAIN					⊕		
DWG	DRAWING	SEC	SECONDARY					⊕		
(E)	EXISTING	SF	SQUARE FEET					⊕		
EA	EACH	SH	SENSIBLE HEAT					⊕		
E/A	EXHAUST AIR	SHG	SENSIBLE HEAT GAIN					⊕		
EAT	ENTERING AIR TEMPERATURE	SHR	SENSIBLE HEAT RATIO					⊕		
EF	EXHAUST FAN	SHT	SHEET					⊕		
EFF	EFFICIENCY	SHWR	SHOWER					⊕		
EG	ETHYLENE GLYCOL, EXHAUST GRILLE	SP	STATIC PRESSURE					⊕		
ELEC	ELECTRICAL	SPD	STATIC PRESSURE DROP					⊕		
ELEV	ELEVATION	SPEC	SPECIFICATION, SPECIFIED					⊕		
EMB	EMBEDMENT	SPKLR	SPRINKLER					⊕		
ENT	ENTERING	SR	SHORT RADIUS					⊕		
EQUIV FT	EQUIVALENT FEET	SWSI	SINGLE WIDTH SINGLE INLET					⊕		
ESP	EXTERNAL STATIC PRESSURE	SQ	SQUARE					⊕		
EVAP	EVAPORATOR	SS	STAINLESS STEEL, SANITARY SEWER					⊕		
EXP	EXPANSION	STD	STANDARD					⊕		
EW	ENTERING WATER TEMPERATURE	SUCT	SUCTION					⊕		
F	FAHRENHEIT	TA	TRANSFER AIR					⊕		
FA	FACE AREA	TEMP	TEMPERATURE, TEMPORARY					⊕		
F-F	FACE TO FACE	THRU	THROUGH					⊕		
FD	FIRE DAMPER	TOD	TOP OF DUCT					⊕		
FLEX	FLEXIBLE	TONS	TONS OF REFRIGERATION					⊕		
FLR	FLOOR	TOP	TOP OF PIPE					⊕		
FOB	FLAT ON BOTTOM	TYP	TYPICAL					⊕		
FOT	FLAT ON TOP	UG	UNDERGROUND					⊕		
FP	FREEZING POINT	UNO	UNLESS NOTED OTHERWISE					⊕		
FFM	FEET PER MINUTE	UPC	UNIFORM PLUMBING CODE					⊕		
FPS	FEET PER SECOND	V	VOLTS OR VOLTAGE					⊕		
FSD	FIRE-SMOKE DAMPER	VAC	VACUUM					⊕		
FT	FOOT OR FEET	VAC	VOLTS (ALTERNATING CURRENT)					⊕		
FV	FACE VELOCITY	VAL	VALVE					⊕		
GA	GAGE OR GAUGE	VAP	VAPOR PRESSURE					⊕		
GAL	GALLONS	VAR	VARIABLE					⊕		
GPD	GALLONS PER DAY	VAV	VARIABLE AIR VOLUME					⊕		
GPH	GALLONS PER HOUR	VDC	VOLTS (DIRECT CURRENT)					⊕		
GPM	GALLONS PER MINUTE	VEL	VELOCITY					⊕		
GR	GRANES	VERT	VERTICAL					⊕		
GRD	GRILLES, REGISTERS, DIFFUSERS	VFD	VARIABLE FREQUENCY DRIVE					⊕		
HD	HEAD	VOL	VOLUME					⊕		
HDPE	HIGH DENSITY POLYETHYLENE	VP	VELOCITY PRESSURE					⊕		
HG	HEAT GAIN	VSD	VARIABLE SPEED DRIVE					⊕		
HT	HEIGHT	VTR	VENT THROUGH ROOF					⊕		
HP	HORSEPOWER	W	WATT					⊕		
HR	HOUR(S)	W/O	WITHOUT					⊕		
HVAC	HEATING, VENTILATING & AIR-CONDITIONING	WB	WET BULB TEMPERATURE					⊕		
HZ	FREQUENCY	WC	WATER COLUMN					⊕		
IAW	IN ACCORDANCE WITH	WH	WATT-HOUR					⊕		
ID	INSIDE DIAMETER	WP	WEATHER PROOF, WATER PROOF					⊕		
IE	INVERT ELEVATION	WPD	WATER PRESSURE DROP					⊕		
IBC	INTERNATIONAL BUILDING CODE	WT	WEIGHT					⊕		
IFC	INTERNATIONAL FIRE CODE	YD	YARD					⊕		
IMC	INTERNATIONAL MECHANICAL CODE							⊕		
IN	INCH							⊕		

NOTE: THIS IS A STANDARD LEGEND, SOME OF THE SYMBOLS SHOWN ON LEGEND ARE NOT NECESSARILY ON THE DRAWINGS.



UAA ANSEP ULA RENOVATION
 UNIVERSITY LAKE BUILDING -
 BUILDING AO 107
 UNIVERSITY OF ALASKA ANCHORAGE
 LEGEND AND ABBREVIATIONS

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