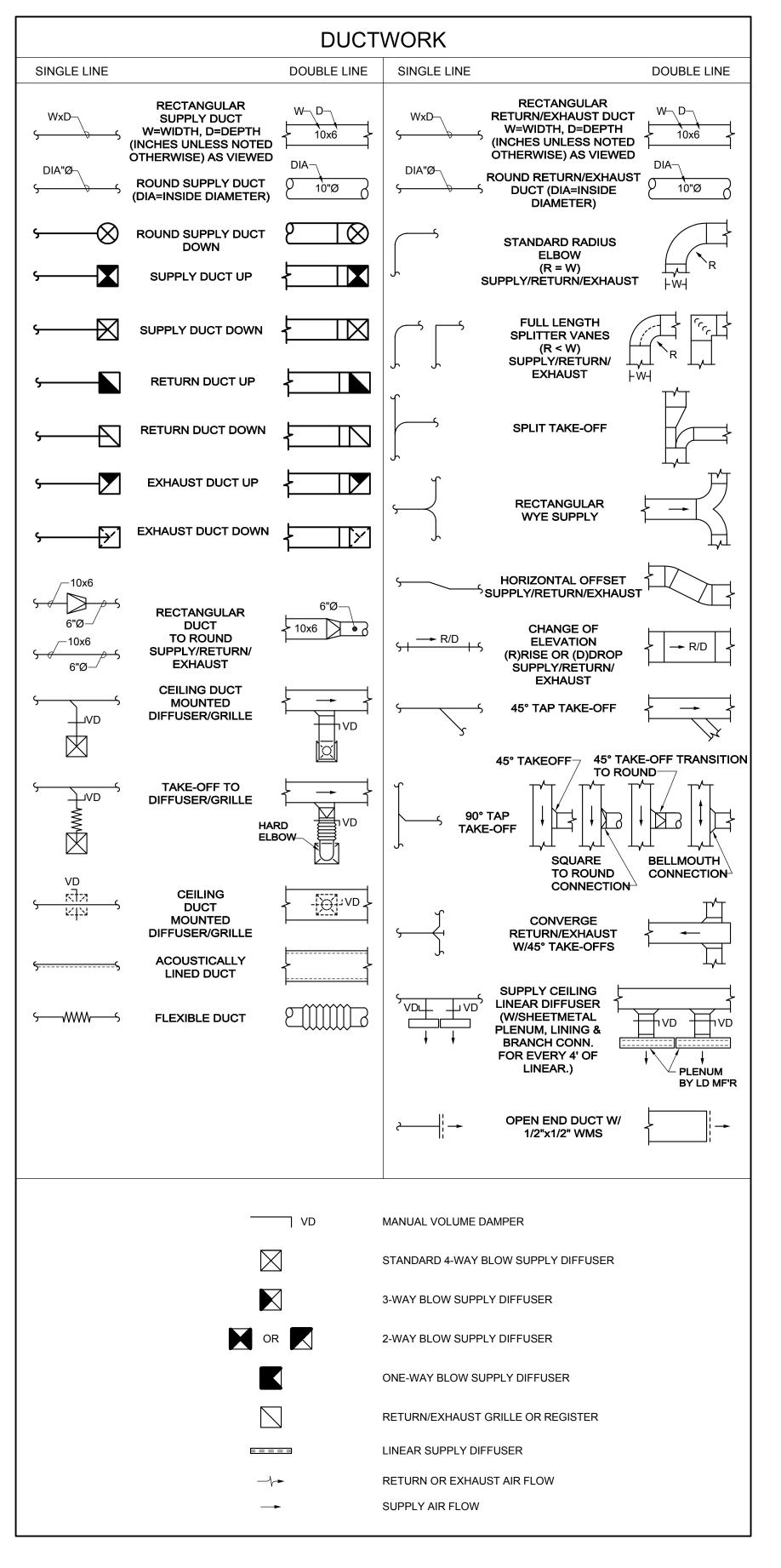
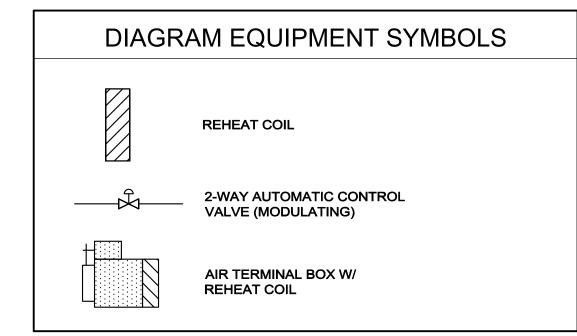
	ABBRE	. V I A I I	ONS
GENERAL A	COMPRESSED AIR	OA	OUTSIDE AIR
AD ADD'L	ACCESS DOOR	OAI OC	OUTSIDE AIR INTAKE
ADD'L AF	ADDITIONAL AIR FOIL	OD	ON CENTER OUTSIDE DIAMETER
AFF	ABOVE FINISHED FLOOR	ODP	OPEN DRIP PROOF
AFR ALT	ABOVE FINISHED ROOF ALTITUDE OR ALTERNATE	OV	OUTLET VELOCITY
AMP	AMPERE	PCF	POUNDS PER CUBIC FOOT
AP APD	ACCESS PANEL AIR PRESSURE DROP	PD PH	PRESSURE DROP PHASE
ARCH	ARCHITECT	PBG	PLUMBING
AS	AIR STREAM	POS	PROVIDED BY OTHER SECTION
ATC ATM	AUTOMATIC TEMPERATURE CONTROL ATMOSPHERE	PSI PSIA	POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH ABSOLUTE
AVE	AVERAGE	PSID	POUNDS PER SQUARE INCH DIFFERENTIAL
ВНР	BRAKE HORSEPOWER	PSIG PVC	POUNDS PER SQUARE INCH GAUGE POLYVINYL CHLORIDE
ВІ	BACKWARDS INCLINED		
BLDG BOD	BUILDING BOTTOM OF DUCT	QTY	QUANTITY
BSMT	BASEMENT	R	RADIUS
BTU	BRITISH THERMAL UNIT	RA RET	RETURN AIR
BTUH	BTU PER HOUR	REQ'D	RETURN REQUIRED
СТОС	CENTER TO CENTER	RH	RELATIVE HUMIDITY
CENT CF	CENTRIFUGAL CUBIC FEET	RLA RLF	RUNNING LOAD AMPS RELIEF
CFM	CUBIC FEET PER MINUTE	RM	ROOM
CL	CENTERLINE CELLING OR COOLING	RPM	REVOLUTIONS PER MINUTE
CLG CO	CEILING OR COOLING CARBON MONOXIDE	SCH	SCHEDULE
COL	COLUMN	SCR	SCREEN
CONC	CONCRETE CONNECTION	SCT SDET	SATURATED CONDENSING TEMPERATURE SMOKE DETECTOR
CONTR	CONTRACTOR	SEN	SENSIBLE
D	DRAIN OF DEPTH	SHC SP	SENSIBLE HEAT CAPACITY STATIC PRESSURE
DB	DRAIN OR DEPTH DRY BULB TEMPERATURE	SPECS	SPECIFICATIONS
DEG	DEGREE	SQ	SQUARE
DDC DIA	DIRECT DIGITAL CONTROL DIAMETER	SF SS	SQUARE FEET STAINLESS STEEL
DIM	DIMENSION	STL	STEEL
DN DP	DOWN DIFFERENTIAL PRESSURE	SUP	SUPPLY
	DITTENSIAL FRESSURE	Т	TEMPERATURE
EA EAT	EACH OR EXHAUST AIR	TA	THROWAWAY
EAT EFF	ENTERING AIR TEMPERATURE EFFICIENCY	TEL TEFC	TELEPHONE TOTALLY ENCLOSED FAN COOLED
ELEC	ELECTRICAL	TEMP	TEMPERATURE
ELEV EMER	ELEVATION EMERGENCY	TSTAT TON	THERMOSTAT 12,000 BTUH COOLING CAPACITY
EMS	ENERGY MANAGEMENT SYSTEM	TOT	TOTAL
ENT	ENTER	TYP	TYPICAL
ESP EWT	EXTERNAL STATIC PRESSURE ENTERING WATER TEMPERATURE	UC	UNDERCUT DOOR
EXH	EXHAUST		
EXIST EXT	EXISTING EXTERNAL	V VEL	VOLTS (ELECTRICAL) VELOCITY
EXP	EXPANSION		
E	EAUDENIJEIT	W W/	WIDTH OR WATT WITH
F FA	FAHRENHEIT FREE AREA	W/ WB	WITH WET BULB TEMPERATURE
FC	FLEXIBLE CONNECTION	WC	WATER COLUMN
FLA FLEX	FULL LOAD AMPS FLEXIBLE	WG W/O	WATER GAUGE WITHOUT
FLEX FLRDR	FLEXIBLE FLOOR DRAIN	WPD	WATER PRESSURE DROP
FPM	FEET PER MINUTE	WTD	WATER TEMPERATURE DIFFERENCE
FPS FRP	FEET PER SECOND FIBERGLASS REINFORCED PLASTIC	X	EXISTING EQUIPMENT TO BE REMOVED
FS	FLOW SWITCH	XM	EXISTING EQUIPMENT TO REMAIN
FT	FEET	XN XR	NEW LOCATION OF RELOCATED EQUIPMENT EXISTING EQUIPMENT TO BE RELOCATED
G	GAS		MENT TO DE NELOCATED
GA GAL	GAUGE GALLONS	DUCT ACD	AUTOMATIC CONTROL DAMPER
GAL GALV	GALVANIZED	AL	ACOUSTICAL DUCT LINER
GC	GENERAL CONTRACTOR	BOD	BOTTOM OF DUCT
GFU GPH	GLYCOL FEED UNIT GALLONS PER HOUR	CD DIFF	CEILING DIFFUSER DIFFUSER
GPM	GALLONS PER MINUTE	EA	EXHAUST AIR
GRD	GRADE	EG	EXHAUST GRILLE
GWB	GYPSUM WALL BOARD	LD MUA	LINEAR DIFFUSER MAKE-UP AIR
НВ	HOSE BIBB CONN.	OED	OPEN END DUCT
HD HGT	HEAD HEIGHT	PAD RA	PRIMARY AIR DAMPER RETURN AIR
HP	HORSEPOWER OR HIGH POINT	RG	RETURN GRILLE
HR	HOUR	SA	SUPPLY AIR
HTG HZ	HEATING HERTZ (FREQUENCY, CYCLES PER SECOND)	SG TA	SUPPLY GRILLE THROW AWAY OR TRANSFER AIR
	•	TG	TRANSFER GRILLE
ID IN	INSIDE DIAMETER INCHES	TOD TR	TOP OF DUCT TRANSFER
		TSP	TOTAL STATIC PRESSURE (IN. WG)
KW	KILOWATT	TV	TURNING VANES
L	LENGTH	VD VAV	VOLUME DAMPER VARIABLE AIR VOLUME SUPPLY AIR TERMINAL
LAT	LEAVING AIR TEMPERATURE	WMS	WIRE MESH SCREEN
LB LF	POUND LINEAR FEET	EQUIPME	ENT
LP	LOW POINT	AC	AIR CONDITIONING OR AIR CONDITIONING UNIT
LRA	LOCKED ROTOR AMPS	ACCU	AIR COOLED CONDENSING UNIT
LUVR LVDR	LOUVER LOUVERED DOOR	ACU AF	AIR CONDITIONING UNIT AIR FILTER OR AIR FOIL
LVG	LEAVING	AHU	AIR HANDLING UNIT
LWT	LEAVING WATER TEMPERATURE	DDC DX	DIRECT DIGITAL CONTROL DIRECT EXPANSION
MAX	MAXIMUM	EHC	ELECTRICAL HEATING COIL
MBH	THOUSAND BTUH	RHC	REHEAT COIL
MCA MECH	MINIMUM CIRCUIT AMPS MECHANICAL	TD VAV	TRANSFER DUCT VARIABLE AIR VOLUME TERMINAL UNIT
MEZZ	MEZZANINE	۷۸۷	VALVADLE AIR VOLUVIE TERMINAL UNIT
MF'R	MANUFACTURER	HOT WAT	
MIN MU	MINIMUM MAKE-UP WATER	HWR HWS	HOT WATER RETURN HOT WATER SUPPLY
	NOT APPLICABLE	<u>PIPING</u> ACV	AUTOMATIC CONTROL VALVE
N/A	NORMALLY OF OSED OF MOISE OFFERIA		BOTTOM OF PIPE
N/A NC	NORMALLY CLOSED OR NOISE CRITERIA NOT IN CONTRACT	BOP	BOTTOWIOFFIFE
N/A NC NIC NO	NOT IN CONTRACT NORMALLY OPEN	CO	CLEAN-OUT
N/A NC NIC	NOT IN CONTRACT		

PIPING ABBREVIATIONS			
CD	CONDENSATE DRAIN		
HWR $$	HOT WATER RETURN		
HWS	HOT WATER SUPPLY		
RL	REFRIGERANT LIQUID		
	REFRIGERANT SUCTION		
-/-/- (NAME) -/-/-	REMOVE EXISTING PIPING		

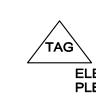




CONTROL POINT DESCRIPTOR LEGEND

TAG

ATC CONTRACTOR PROVIDED DDC POINT AND HARDWARE



CONTROL DEVICE FURNISHED BY **ELECTRICAL OR PLUMBING** CONTRACTOR BUT INTERFACED TO DDC SYSTEM BY ATC CONTRACTOR

TAG

ATC CONTRACTOR INTERFACE TO **EQUIPMENT MANUFACTURER'S** HARDWARE

ATC CONTRACTOR PROVIDED LOCAL CONTROL POINT

CONTROL ABBREVIATIONS

AUTOMATIC CONTROL DAMPER ACV AUTOMATIC CONTROL VALVE ALM ATC **AUTOMATIC TEMPERATURE CONTROL** CO

CARBON MONOXIDE SENSOR DISCHARGE AIR TEMPERATURE SENSOR

DDC DIRECT DIGITAL CONTROL **FMT** FLOW METER/TRANSMITTER

HEATING COIL CONTROL VALVE

NORMALLY CLOSED (ON LOSS OF POWER) NO NORMALLY OPEN (ON LOSS OF POWER)

PAD PRIMARY AIR DAMPER

TEMPERATURE SENSOR/THERMOSTAT TEMPERATURE SENSOR/THERMOSTAT (ROOM) TR

CALLOUT SYMBOLS

CONNECT NEW TO EXISTING REVISION NUMBER T TEMPERATURE SENSOR OR THERMOSTAT (C) CARBON MONOXIDE SENSOR REMOVE EXISTING ITEM (100) = CFM TO BALANCE TO RA(100) ← R = RETURN A = SCHEDULED GRILLE. (100) = CFM TO BALANCED TO EA(100) - E = EXHAUST A = SCHEDULED REGISTER/GRILLE (100) = CFM TO BALANCED TO

EQUIPMENT REQUIRING ELECTRICAL SERVICE, SEE SCHEDULE FOR PERFORMANCE REQUIREMENTS:

-SCHEDULED EQUIPMENT UNIT NUMBER -FIRST DIGIT(S): 1 = FIRST UNIT OF THIS EQUIPMENT TYPE ON THIS LEVEL. 2 = SECOND UNIT OF THIS EQUIPMENT TYPE ON THIS LEVEL. 3 = THIRD UNIT OF THIS EQUIPMENT TYPE ON THIS LEVEL, ETC. (DUE TO EDITING NOT ALL NUMBERS MAY BE USED) - EQUIPMENT REUSE: XM = EXISTING EQUIPMENT TO REMAIN

> X = EXISTING EQUIPMENT TO BE DEMOLISHED XR = EXISTING EQUIPMENT TO BE RELOCATED XN = NEW LOCATION OF EXISTING EQUIPMENT

EQUIPMENT NOT REQUIRING ELECTRICAL SERVICE, SEE SCHEDULE FOR PERFORMANCE REQUIREMENTS:

XX

REFER TO EQUIPMENT REQUIRING ELECTRICAL SERVICE SYMBOL ABOVE FOR TAG AND DATA INFORMATION.

PIPING LEGEND

——⊢∮—— BALL VALVE HOSE END BALL VALVE WITH CAP AND CHAIN 2-WAY AUTOMATIC CONTROL VALVE (MODULATING) —— CIRCUIT SETTER

PIPE - CAPPED PRESSURE/THERMOMETER WELL

— DIRECTION OF FLOW — FLEXIBLE CONNECTOR

PIPE - DOWN

PITCH OF PIPE - (R) RISE OR (D) DROP REDUCER - CONCENTRIC CLEANOUT FOR CONDENSATE DRAIN

AIR VENT - MANUAL

S S PIPE BREAK (SINGLE LINE)

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REVISIONS

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I MONUMENT SQUARE, PORTLAND ME

TITLE

HVAC LEGEND, SYMBOLS, & ABBREVIATIONS

JOB NO.

DATE

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DRAWING NO.

06/29/17

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