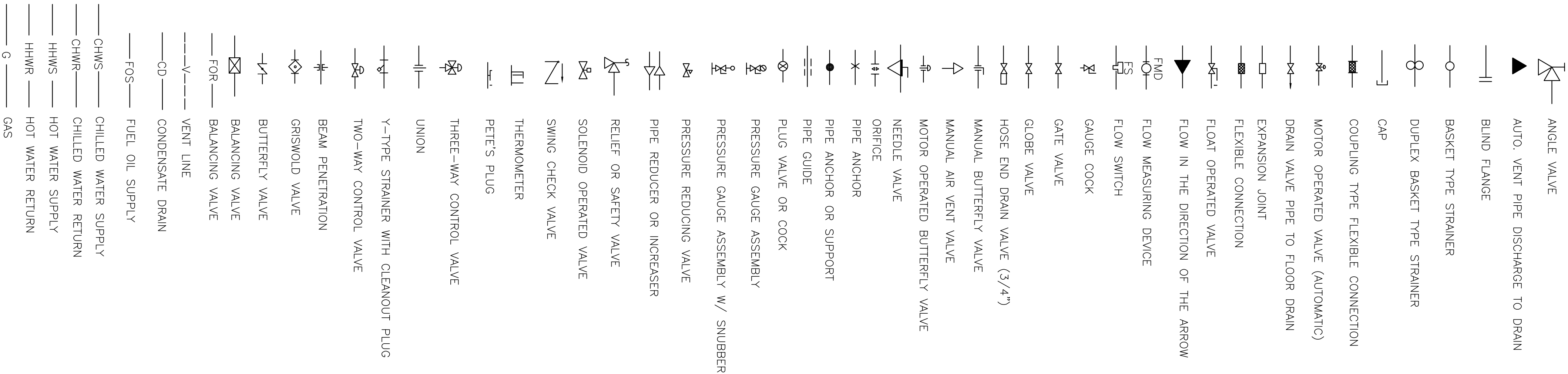
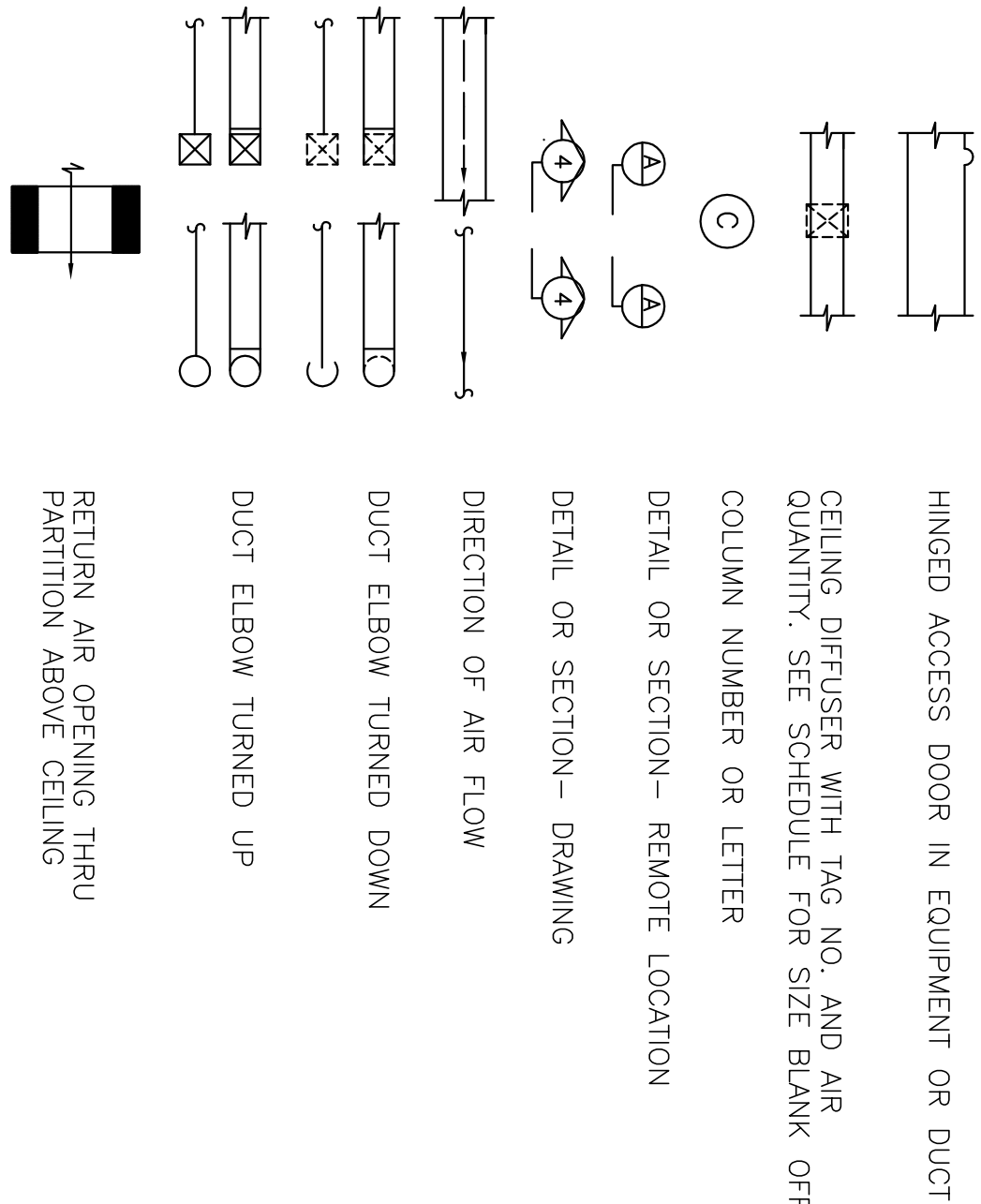


HVAC PIPE SYMBOLS



HVAC DUCT SYMBOLS



CONTROL SYMBOLS

C	COMMON	DIFFUSER
CCP	CENTRAL CONTROL PANEL	DX DOWN
DPT	DIFFERENTIAL PRESSURE TRANSMITTER	DWG. DRAWING
FS	FLOW SWITCH	EFF. EXHAUST FAN
LIR	LOW LIMIT RELAY	EAT ENTERING AIR TEMPERATURE
LP	LOCAL PANEL	EC ELECTRICAL CONTRACTOR
OPER	OPERATION	ED EXHAUST DISCHARGE
PI	PRESSURE INDICATOR	EE ELECTRICAL ROOM EXHAUST
RC	RECEIVER CONTROLLER	EFF EFFICIENCY
SAV	SOLENOID AIR VALVE	EH EXHAUST HEAD
SPT	STATIC PRESSURE TRANSMITTER	EJ ELEVATION JOINT
TC	TIME CLOCK	EL ELEVATION
TI	TEMPERATURE INDICATOR	ELEC. ELECTRIC
TT	TEMPERATURE TRANSMITTER	ELEV. ELEVATOR
VB	VIBRATION	EOAT ENTERING OUTSIDE AIR TEMPERATURE
VPT	VELOCITY PRESSURE TRANSMITTER	EXP. EXPANSION TANK
↘	COMPRESSED AIR PIPING	ENTR. ENTERING WATER TEMPERATURE
↘	DAMPER END SWITCH	EXH EXHAUST
□	DEVICE WITH AVERAGING SENSING DEVICE	EXP. EXPANSION
DP	DIFFERENTIAL PRESSURE SWITCH CONTROLLER	F. FILTER AREA
— —	ELECTRIC CONTACT (N.C.)	FA FIRE DAMPER
— —	ELECTRIC CONTACT (N.O.)	F/S.D. FIRE SMOKE DAMPER
□	ELECTRIC PNEUMATIC VALVE (EP)	F-FE FLAME HOOD EXHAUST
□	IMMERSION OR INSERTION STATUS	FL FLOOR
□	INDICATION POINT	FLX. FLEXIBLE
↘	MOTOR OPERATOR FOR DAMPER OR VALVE	FMD FLOW MEASURING DEVICE
↘	OPPOSED DAMPER BLADE	FO FILTER ON OUTSIDE AIR
↘	PARALLEL DAMPER BLADE	FP FAN POWER
↘	PLOT UNIT RUN STATUS	FPM FEET PER MINUTE
↘	PRESSURE ELECTRIC SWITCH (PE)	FPS FEET PER SECOND
↘	RECEIVER CONTROLLER	FR FILTER ON RETURN AIR
↘	ROOM THERMOSTAT	FRP FIBROGLASS REINFORCED PLASTIC
↘	PNEUMATIC ELECTRIC SWITCH	FT FOOT
↘	3 POSITION SWITCH & HAND OFF AUTO	FLC.D. FLANGED
↘	3-WAY AIR VALVE	GA GAGE OR GAUGE
⊖	THERMOSTAT	CA GENERAL CONTROLLER
⊖	DUCT SMOKE DETECTOR	GD GRAVITY DAMPER
⊖	HUMIDISTAT	GE GENERAL EXHAUST
⊖		GR GRILLE
⊖		GALV. GALVANIZED
⊖		H. HORIZONTAL
⊖		HC HEATING COIL
⊖		HP HORSEPOWER
⊖		HG HEATING
⊖		HU HUMIDIFIER
⊖		HYAC HEAT EXCHANGER
⊖		HZ HEATING VENTILATION & AIR CONDITIONING
⊖		HERTZ HERTZ
⊖		ID INSIDE DIAMETER
⊖		INS. INSULATION
⊖		INS. INSTRUMENTS AIR COMPRESSOR
⊖		INCH INCH
⊖		INSUL. INSULATION
⊖		KW KILOWATT
⊖		LEAVING AIR TEMPERATURE
⊖		KWH KILOWATT HOUR
⊖		LINED DUCT

HVAC ABBREVIATIONS

ACCU	AIR COOLED CONDENSING UNIT	MAT	MIXED AIR TEMPERATURE
ACC	AIR CONDITIONING	MBH	THOUSAND BRITISH THERMAL
AD	ACCESS DOOR	MD	UNITS PER HOUR
AH	AIR HANDLING SYSTEM	MIN	MOTORIZED DAMPER MINIMUM
AL	ACOUSTICAL LINING	MAX	MAXIMUM
APPROX.	APPROXIMATE	MC	MECHANICAL CONTRCTOR
AVG	AVERAGE	MCC	MOTOR CONTROL CENTER
ABV	ABOVE	NC	NOISE CRITERIA
AS	AIR SEPARATOR	N.C.	NORMALLY CLOSED
BDD	BACKDRAFT DAMPER	N.I.C.	NOT IN CONTRACT
BHP	BRAKE HORSEPOWER	NK	NECK
B	BOILER	N.O.	NORMALLY OPEN
BOD	BOTTOM OF DUCT	NR	NO REQUIREMENT
BSMT	BASEMENT	NRO	NET ROOF OPENING
BTU	BRITISH THERMAL UNIT	NTS	NOT TO SCALE
BTUH	BRITISH THERMAL UNIT PER HOUR	OA	OUTSIDE AIR
CA	COMPRESSOR AIR	OAI	OUTSIDE AIR INTAKE
CC	COOLING COIL	OBD	OPPOSED BLADE DAMPER
CCW	COUNTER CLOCKWISE	OD	OUTSIDE DAMPER
CD	CONDENSATE DRAIN	OSD	OPEN SITE DRAIN
CF	CUBIC FEET PER MINUTE	OY	OUTLET VELOCITY
CFM	CEILING GRILLE	PFR	PREFILTER ON RETURN AIR
CG	CHEMICAL TREATMENT TANK	1 Ph	SINGLE PHASE
CI	CAST IRON	3 Ph	THREE PHASE
CL	CENTER LINE	PRESS	PRESSURE
CLG	CEILING	PRV	PRESSURE REDUCING VALVE
C.O.	CLEAN OUT	PS	PIPE SUPPORT
C.O.	CARBON MONOXIDE	PSIG	POUND PER SQUARE INCH
COT	COMPRESSOR TANK	PNEU.	PNEUMATIC
CONC.	CONCRETE	R	REFRIGERATION
COND.	CONDENSATE DRAIN (COIL, PAN DRAIN)	RA	RETURN AIR
CONN.	CONNECTION	REF	RECURCULATION/EXHAUST FAN
CR	CEILING REGISTER	REG	REGISTER
CT	COOLING TOWER	REGD	REQUIRED
CW	CLOCKWISE	RET	RETURN
CY	CYCLE	RM	ROOM
DB	DRY BULB TEMPERATURE		
DD	DUCT SMOKE DETECTOR		
DFN	DEFLECTION		
DG	DOOR GRILLE		

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MECHANICAL
SYMBOLS

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