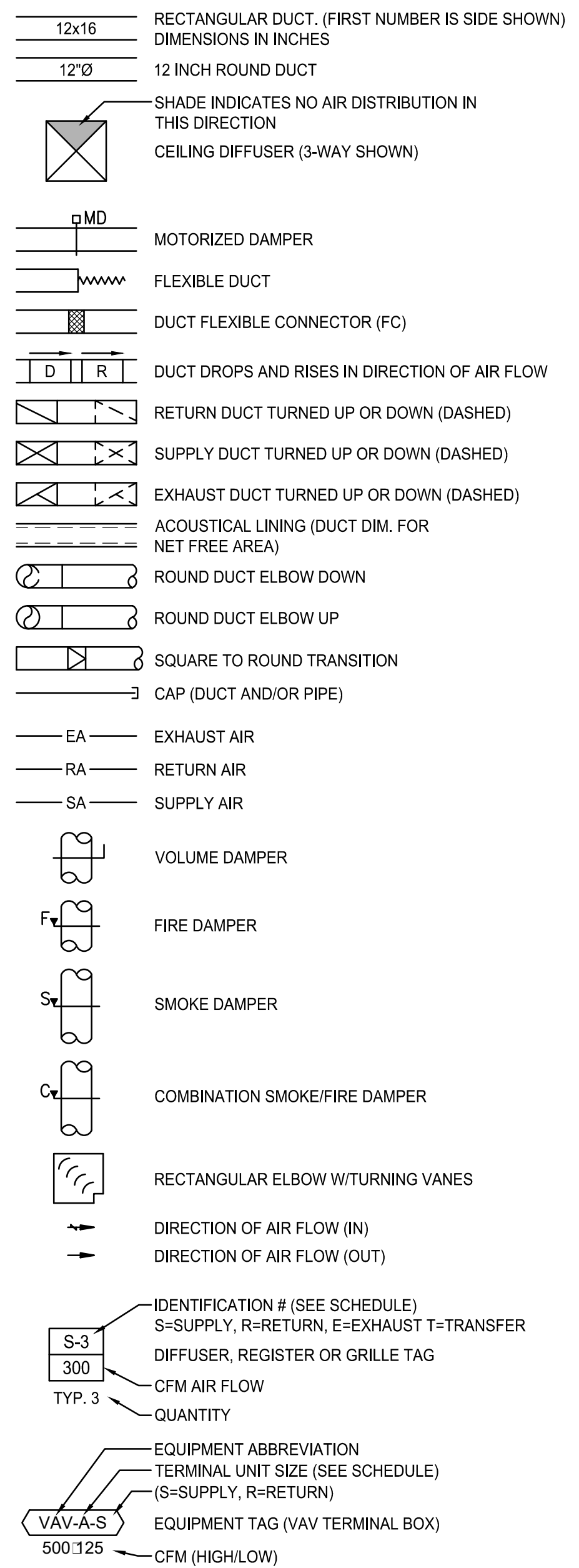
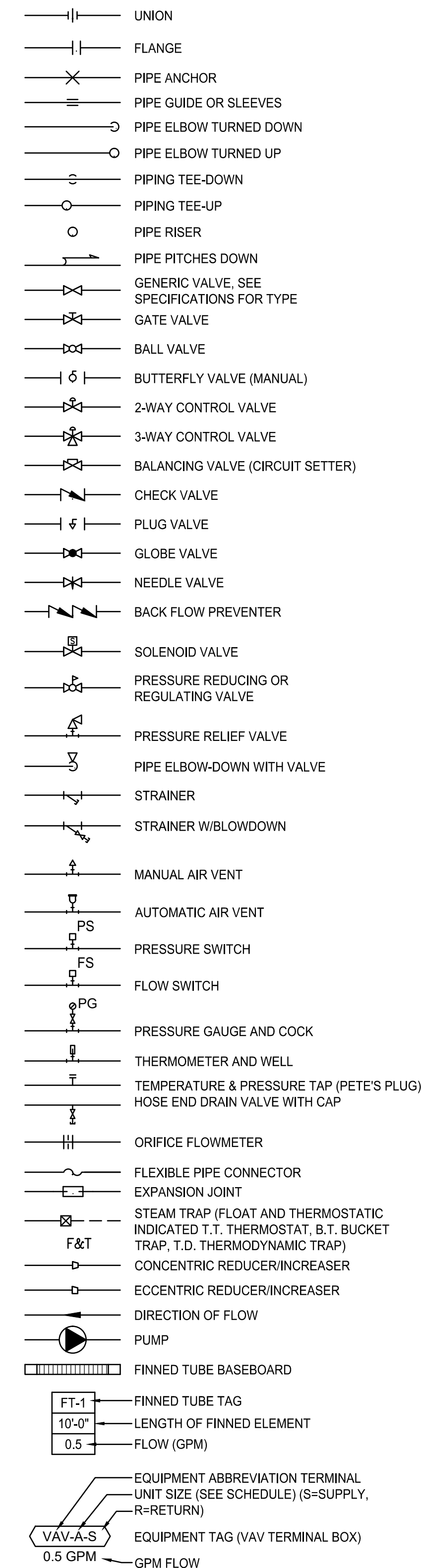


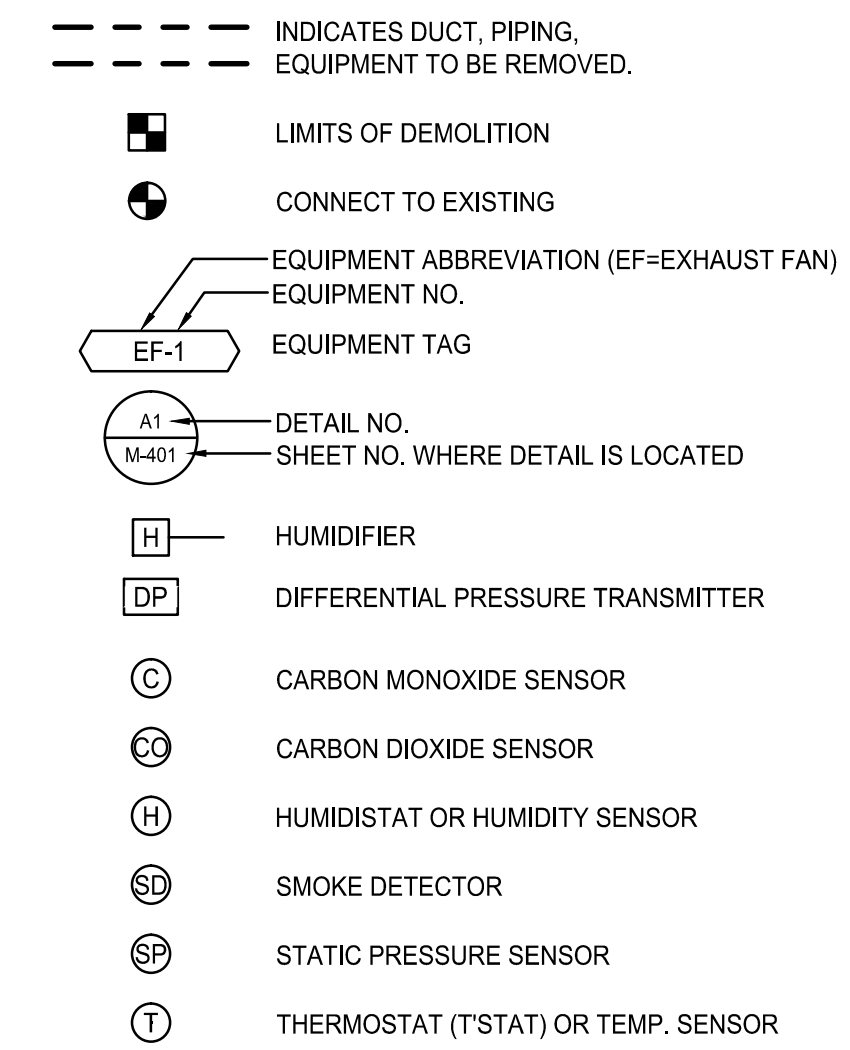
### AIR DISTRIBUTION SYMBOLS



### PIPING SYMBOLS



### GENERAL SYMBOLS



### ABBREVIATIONS

AAV	AUTOMATIC AIR VENT	ENC	ENCLOSURE	PSE	PROCESS SOLVENT EXHAUST
ACC	AIR COOLED CONDENSER	ER	EXHAUST REGISTER	PP	POLY-PROPYLENE
ACU	AIR CONDITIONING UNIT	EUH	ELECTRIC UNIT HEATER	PPE	PRE PURCHASED EQUIPMENT
ACV	AUTOMATIC CONTROL VALVE	(E)	EXISTING	PRS	PRESSURE REDUCING STATION
AD	ACCESS DOOR	EXIST.	EXISTING	PRV	PRESSURE REDUCING VALVE
AE	ACID EXHAUST	FBO	FURNISHED BY OWNER	PVD	PNEUMATIC VOLUME DAMPER
AFF	ABOVE FINISHED FLOOR	FBP	FACE AND BYPASS	(R)	REMOVE
AFMS	AIR FLOW MEASURING STATION	FC	FLEXIBLE CONNECTION	RA	RETURN AIR
AHU	AIR HANDLING UNIT	FD	FIRE DAMPER	(REL.)	RELOCATED
ATC	AUTOMATIC TEMPERATURE CONTROL	FG	FIBERGLASS	RF	RETURN FAN
AV	AIR VENT	F & T	FLOAT AND THERMOSTATIC	RG	RETURN GRILLE
BB	BASEBOARD	FO	FLAT OVAL	RHC	REHEAT COIL
BDD	BACKDRAFT DAMPER	FTR	FINNED TUBE RADIATION	RM	ROOM
BG	BLAST GATE	FS	FLOW SWITCH	RR	RETURN REGISTER
BLDG	BUILDING	GC	GENERAL CONTRACTOR	RV	RELIEF VALVE
BOD	BOTTOM OF DUCT	GPM	GALLONS PER MINUTE	SA	SUPPLY AIR
BOP	BOTTOM OF PIPE	H	HUMIDIFIER	SCV	SELF CONTAINED VALVE
BTU	BRITISH THERMAL UNIT	HB	HOSE BIB	SD	SMOKE DETECTOR
CBD	COUNTER BALANCED DAMPER	HRU	HEAT RECOVERY UNIT	SF	SUPPLY FAN
CD	CEILING DIFFUSER	HTR	HEATER	SG	SUPPLY GRILLE
CFF	CAPPED FOR FUTURE	H & V	HEATING AND VENTILATION	SR	SUPPLY REGISTER
CFM	CUBIC FEET PER MINUTE	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	SS	STAINLESS STEEL
CLG	CEILING	HW	HOT WATER	TE	TEMPERATURIZED ELEMENT (SENSOR)
CONT	CONTINUATION	HX	HEAT EXCHANGER	TG	TRANSFER GRILLE
COORD	COORDINATE	IN WG	INCHES WATER GAUGE	TOD	TOP OF DUCT
CP	CONDENSATE PUMP & RECEIVER	LD	LINED DUCT	TOP	TOP OF PIPE
CT	COOLING TOWER	MAU	MAKE UP AIR UNIT	TTS	TIGHT TO STEEL
CTE	CONNECT TO EXISTING	MAX	MAXIMUM	TV	TURNING VANE(S)
CU	COPPER	MBH	1000 BTU/HR.	TYP	TYPICAL
CUH	CABINET UNIT HEATER	ME	MECHANICAL ENGINEER	UH	UNIT HEATER
CV	CONTROL VALVE	MFR	MANUFACTURER	UIC	UP IN CHASE
CW	COLD WATER	MIN	MINIMUM	UIW	UP IN WALL
DC	DOUBLE CONTAINED	MD	MOTOR OPERATED DAMPER	UV	UNIT VENTILATOR
DDC	DIRECT DIGITAL CONTROL	MPV	MULTI-PURPOSE VALVE	VAV	VARIABLE AIR VOLUME BOX
DIA	DIAMETER	MTD	MOUNTED	VB	VACUUM BREAKER
DIC	DOWN IN CHASE	MUA	MAKE UP AIR	VTR	VENT THRU ROOF
DIW	DOWN IN WALL	NPW	NON-POTABLE WATER	VD	MANUAL VOLUME DAMPER
DN	DOWN	NTS	NOT TO SCALE	VCF	VALVED AND CAPPED FOR FUTURE
DT	DROP AND TRANSITION	OA	OUTSIDE AIR	VFD	VARIABLE FREQUENCY DRIVE
DWG	DRAWING	OBD	OPPOSED BLADE DAMPER	VOC	VOLATILE ORGANIC COMPOUNDS
DWH	DOMESTIC WATER HEATER	OED	OPEN ENDED DUCT	W	WITH
EA	EXHAUST AIR	PAE	PROCESS ACID EXHAUST		
EF	EXHAUST FAN	PHE	PROCESS HEAT EXHAUST		

### PIPING SYSTEMS

CD	CONDENSATE DRAIN	FOR	FUEL OIL RETURN	HWS	HOT WATER SUPPLY	PC	PUMPED STEAM CONDENSATE
CHWS	CHILLED WATER SUPPLY	FOV	FUEL OIL VENT	HWR	HOT WATER RETURN	PD	PUMPED DISCHARGE
CHWR	CHILLED WATER RETURN	GCR	GRAVITY STEAM CONDENSATE RETURN	LPS	LOW PRESSURE STEAM	PW	POTABLE WATER
CWS	CONDENSER WATER SUPPLY	GLY	GLYCOL	LPR	LOW PRESSURE RETURN	R	RELIEF LINE
CWR	CONDENSER WATER RETURN	HCR	HOT/ CHILLED WATER RETURN	MPS	MEDIUM PRESSURE STEAM	RL	REFRIGERANT LIQUID
DB	DISTRIBUTION VALVE BOX	HCS	HOT/ CHILLED WATER SUPPLY	MPR	MEDIUM PRESSURE RETURN	RS	REFRIGERANT SUCTION
FCS	FREE COOLING SUPPLY	HG	HOT GAS	NPW	NON POTABLE COLD WATER	TWS	TEMPERED CHILLED WATER SUPPLY
FCR	FREE COOLING RETURN	HPS	HIGH PRESSURE STEAM	PCWS	PROCESS COOLING WATER SUPPLY	TWR	TEMPERED CHILLED WATER RETURN
FOS	FUEL OIL SUPPLY	HPR	HIGH PRESSURE CONDENSATE RETURN	PCWR	PROCESS COOLING WATER RETURN	ZB	ZONE VALVE BOX

### GENERAL NOTE

1. ALL GENERAL NOTES, SYMBOL LISTS, AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL HVAC AND PLUMBING DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION INTO THE DESIGN.

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MICHAEL J. CHONKO  
NO. 9541  
REGISTERED PROFESSIONAL ENGINEER

BANGOR SAVINGS BANK -  
RENOVATIONS TO 280 FORE  
STREET  
PORTLAND, MAINE

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AND ABBREVIATIONS**

M-001