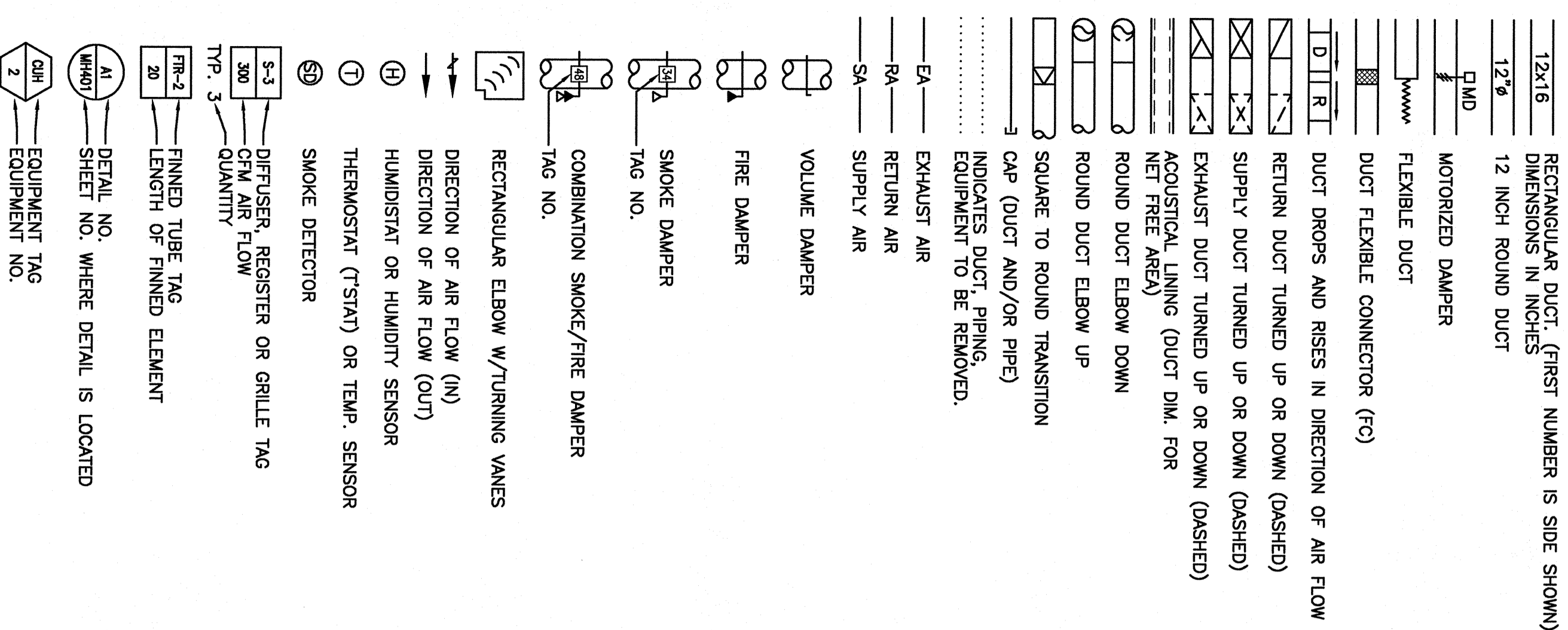
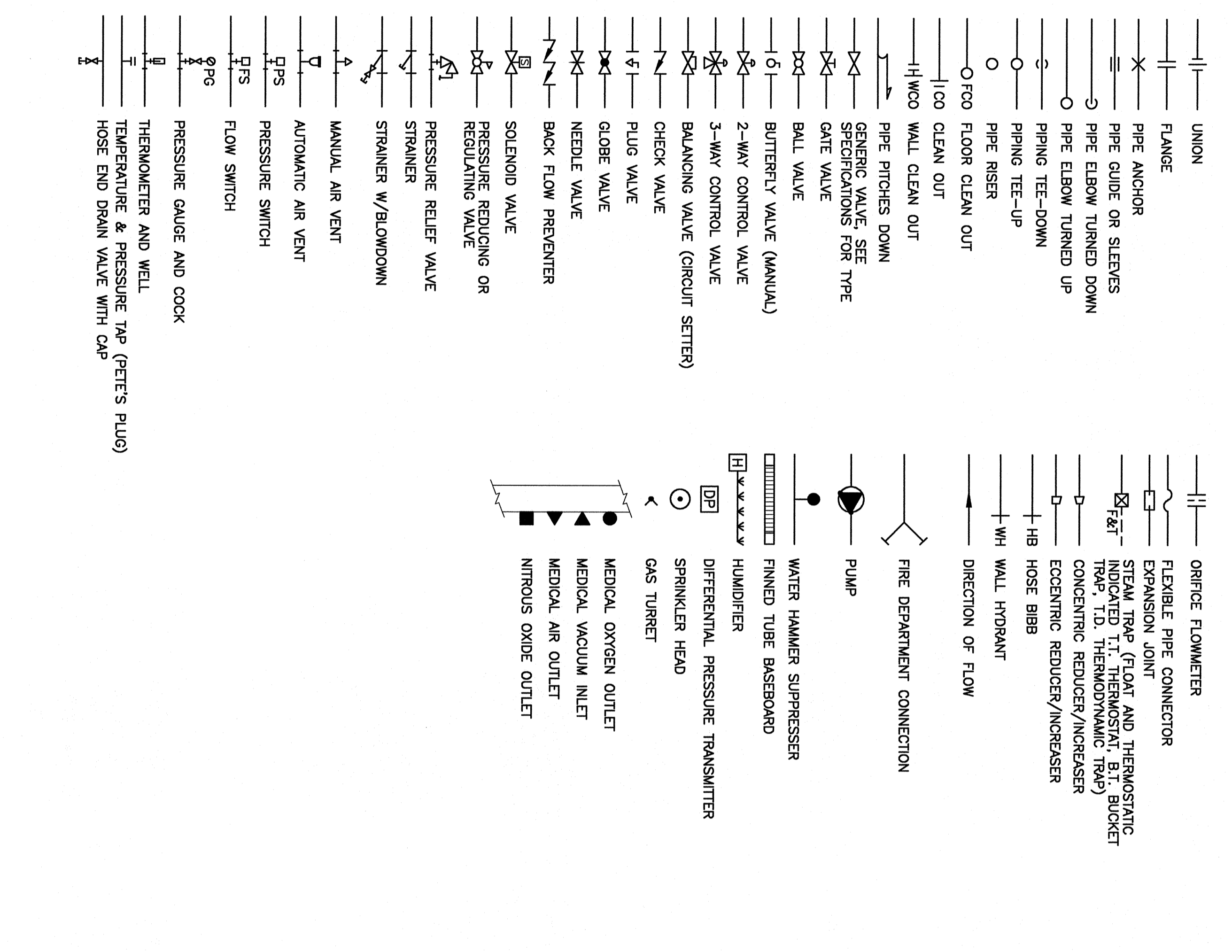


AIR DISTRIBUTION SYMBOLS



PIPING SYMBOLS



PIPING SYSTEMS

10-1 HF	10-1 HF	HCY	HOUSE CLEAN VACUUM	PW	POTABLE WATER
AV	ACID VENT	HG	HOT GAS	R	RELIEF LINE
AD	ACID DRAIN	HPS	HIGH PRESSURE STEAM	RL	REFRIGERANT LIQUID
AD	ACID DRAIN (BELOW SLAB)	HRR	HIGH PRESSURE CONDENSATE RETURN	RS	REFRIGERANT SUCTION
BA	BREATHING AIR	HMS	HOT WATER SUPPLY	SLD	MIXED SOLVENT DRAIN
CD	CONDENSATE DRAIN	HMR	HOT WATER RETURN	SV	SOLVENT
CA	COMPRESSED DRY AIR	MD	ISOPROPYL ALCOHOL DRAIN	SP	SPRINKLER
CHMS	CHILLED WATER SUPPLY	LP	LIQUID PROPANE GAS	TW	TEMPERED WATER
CHMR	CHILLED WATER RETURN	LP	LIQUID PROPANE GAS	TWS	TEMPERED CHILLED WATER SUPPLY
CHWS	CHILLED WATER SUPPLY	LPS	LOW PRESSURE STEAM	TWR	TEMPERED CHILLED WATER RETURN
CHWR	CHILLED WATER RETURN	LPR	LOW PRESSURE RETURN	WAC	PLANT VACUUM
CWS	CONDENSER WATER SUPPLY	MA	MEDICAL AIR	ZB	ZONE VALVE BOX
CWR	CONDENSER WATER RETURN	MPS	MEDIUM PRESSURE STEAM	TEMP	DOMESTIC HOT WATER (TEMP °F)
DIS	DIONIZED WATER SUPPLY	MRS	MEDIUM PRESSURE RETURN	TEMP	REGIO. DOMESTIC HOT WATER (TEMP °F)
DIR	DIONIZED WATER RETURN	MV	MEDICAL VACUUM	CW	DOMESTIC COLD WATER
EKCD	EKG DRAIN	N2P	NON-PROCESS NITROGEN	HW	DOMESTIC HOT WATER (120° F)
ESW	EYEWASH	N2	NON-PROCESS NITROGEN	RHW	RECIROLATED DOMESTIC HOT WATER (120° F)
FCS	FREE COOLING SUPPLY	NG	NATURAL GAS	S, W or KW	S SANITARY, W WASTE & KW KITCHEN WASTE
FCR	FREE COOLING RETURN	N2	NITROUS OXIDE	S, W or KW	S SANITARY, W WASTE & KW KITCHEN WASTE (EXIST.)
FOS	FUEL OIL SUPPLY	HNG	HIGH PRESSURE NATURAL GAS	S, W or KW	S SANITARY, W WASTE & KW KITCHEN WASTE (BELOW SLAB)
FOR	FUEL OIL RETURN	N02	NITROUS OXIDE	S, W or KW	S SANITARY, W WASTE & KW KITCHEN WASTE (BELOW SLAB-EXIST.)
FOV	FUEL OIL VENT	NEG. SOLV.	NEGATIVE SOLVENT DRAIN	SD	STORM DRAIN
GCR	GRAVITY STEAM CONDENSATE RETURN	NPW	NON POTABLE COLD WATER	SD	STORM DRAIN (EXIST.)
GLY	GLYCOL	O2	OXYGEN	SD	STORM DRAIN (BELOW SLAB)
GV	GAS VENT	OTA	OIL FREE COMPRESSED AIR	SD	STORM DRAIN (BELOW SLAB-EXIST.)
H	HYDROGEN	POWR	PROCESS COOLING WATER RETURN	SD	STORM DRAIN (BELOW SLAB-EXIST.)
H2O2	HYDROGEN PEROXIDE	PC	PUMPED STEAM CONDENSATE	V	V SANITARY VENT
HR	HOT/ CHILLED WATER RETURN	PD	PUMPED DISCHARGE	V	V SANITARY VENT (EXIST.)
HRS	HOT/ CHILLED WATER SUPPLY	POS. SOLV.	POSITIVE SOLVENT DRAIN	V	V SANITARY VENT (BELOW SLAB)
				V	V SANITARY VENT (BELOW SLAB-EXIST.)

ABBREVIATIONS

AV	AUTOMATIC AIR VENT	EA	EXHAUST AIR	PAE	PROCESS ACID EXHAUST
ACC	AIR COOLED CONDENSER	EF	EXHAUST FAN	PHE	PROCESS HEAT EXHAUST
ACU	AIR CONDITIONING UNIT	ENC	ENCLOSURE	PSE	PROCESS SOLVENT EXHAUST
AD	ACCESS DOOR	ER	EXHAUST REGISTER	PP	POLY-PROPYLENE
AE	ACID EXHAUST	EXST.	EXISTING	PPE	PRE PURCHASED EQUIPMENT
AFT	ABOVE FINISHED FLOOR	EXIST.	EXISTING	PNS	PRESSURE REDUCING STATION
AFMS	AIR FLOW MEASURING STATION	FBO	FURNISHED BY OWNER	PNV	PRESSURE REDUCING VALVE
AHU	AIR HANDLING UNIT	FBP	FACE AND BRASS	PND	PNEUMATIC VOLUME DAMPER
ATC	AUTOMATIC TEMPERATURE CONTROL	FC	FLEXIBLE CONNECTION	(R)	REMOVE
AV	AIR VENT	FOO	FLOOR CLEANOUT	RA	RETURN AIR
BA	BREATHING COMPRESSED AIR	FD	FLOOR DRAIN TAG	(REL)	RELOCATED
BB	BASEBOARD	FD	FIRE DAMPER	RD	ROOF DRAIN
BBD	BACKDRIFT DAMPER	FG	FIBERGLASS	RF	RETURN FAN
BE	BLAST GATE	F & T	FLOAT AND THERMOSTATIC	RG	RETURN GRILLE
BFP	BACKFLOW PREVENTER	FO	FLAT OWL	RHC	RELIEF COIL
BLDG	BUILDING	FRB	FREEZE RESISTANT HOSE BIBB	ROOM	ROOM
BOD	BOTTOM OF DUCT	FTR	FINNED TUBE RADIATION	RPZ	REDUCED PRESSURE ZONE BPP
BOP	BOTTOM OF PIPE	FS	FLOW SWITCH	RR	RETURN REGISTER
BTU	BRITISH THERMAL UNIT	GC	GENERAL CONTRACTOR	RV	RELIEF VALVE
CBQ	COUNTER BALANCED DAMPER	GP4	GALLONS PER MINUTE	SA	SUPPLY AIR
CD	CEILING DIFFUSER	H	HUMIDIFIER	SCV	SELF CONTAINED VALVE
CFT	CAPPED FOR FUTURE	HB	HOSE BIB	SD	SMOKE DETECTOR
CFM	CUBIC FEET PER MINUTE	HRU	HEAT RECOVERY UNIT	SF	SUPPLY FAN
CLG	CEILING	HR	HEATER	SG	SUPPLY GRILLE
CO	CLEANOUT	H & V	HEATING AND VENTILATION	SR	SUPPLY REGISTER
CONT	CONTINUATION	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	SS	STAINLESS STEEL
COORD	COORDINATE	HW	HOT WATER	TE	TEMPERATURIZED ELEMENT (SENSOR)
CP	CONDENSATE PUMP & RECEIVER	HX	HEAT EXCHANGER	TG	TRANSFER GRILLE
CT	COOLING TOWER	IN WG	INCHES WATER GAUGE	TD	TOP OF DUCT
CTE	CONNECT TO EXISTING	LD	LINED DUCT	TD	TOP OF PIPE
CU	COPPER	MAU	MAKE UP AIR UNIT	TTS	TIGHT TO STEEL
CUH	CABINET UNIT HEATER	MAX	MAXIMUM	TV	TURNING VANES(S)
CV	CONTROL VALVE	MH1	1000 BTU/HR.	TYP	TYPICAL
CW	COLD WATER	ME	MECHANICAL ENGINEER	UH	UNIT HEATER
CW-PP	CITY WATER-PROCESS	MFR	MANUFACTURER	UH	UP IN CHASE
DC	DOUBLE CONTAINED	MIN	MINIMUM	UW	UP IN WALL
DDC	DIRECT DIGITAL CONTROL	MO	MOTOR OPERATED DAMPER	UV	UNIT VENTILATOR
DA	DAMPER	MPP	MULTI-PURPOSE VALVE	VW	VARIABLE AIR VOLUME BOX
DD	DOWN IN CHASE	MD	MOUNTED	VB	VACUUM BREAKER
DW	DOWN IN WALL	MUA	MAKE UP AIR	VVR	VENT THRU ROOF
DN	DOWN	NPW	NON-POTABLE WATER	VO	MANUAL VOLUME DAMPER
DS	DOWNSPOUT	NTS	NOT TO SCALE	VVFF	VALVED AND CAPPED FOR FUTURE
DT	DROP AND TRANSITION	OA	OUTSIDE AIR	VVD	VARIABLE FREQUENCY DRIVE
DWG	DRAWING	OBQ	OPPOSED BLADE DAMPER	VOC	VOLATILE ORGANIC COMPOUNDS
DWH	DOMESTIC WATER HEATER	OED	OPEN ENDED DUCT	W/	WITH
		P-#	PLUMBING FUTURE TAG	WOO	WALL CLEANOUT
		PEA	ALKALI EXHAUST	WH	WALL HYDRANT
		PEH	HEAT EXHAUST		

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.

SM RT
ARCHITECTURE ENGINEERING PLANNING
144 FIVE STREET, P.O. BOX 618
PORTLAND, MAINE 04104
TEL: (207) 772-3946
FAX: (207) 772-1070

EXTERIOR IMPROVEMENTS & MODEL TENANT FIT-UP
110 FREE STREET
PORTLAND, MAINE

ISSUED FOR PERMITTING
07-18-07

REV.	DESCRIPTION	DATE

PROJECT:	LEGEND AND ABBREVIATIONS
SHEET TITLE:	NOT TO SCALE DATE:
SCALE:	GRAPHIC SCALE: 0" = 1"
PROJECT MANAGER:	JLH
JOB CHG/DRWING:	LAG
DATE OF RECORD:	
SHEET NO.:	M-001
PROJECT NO.:	07087