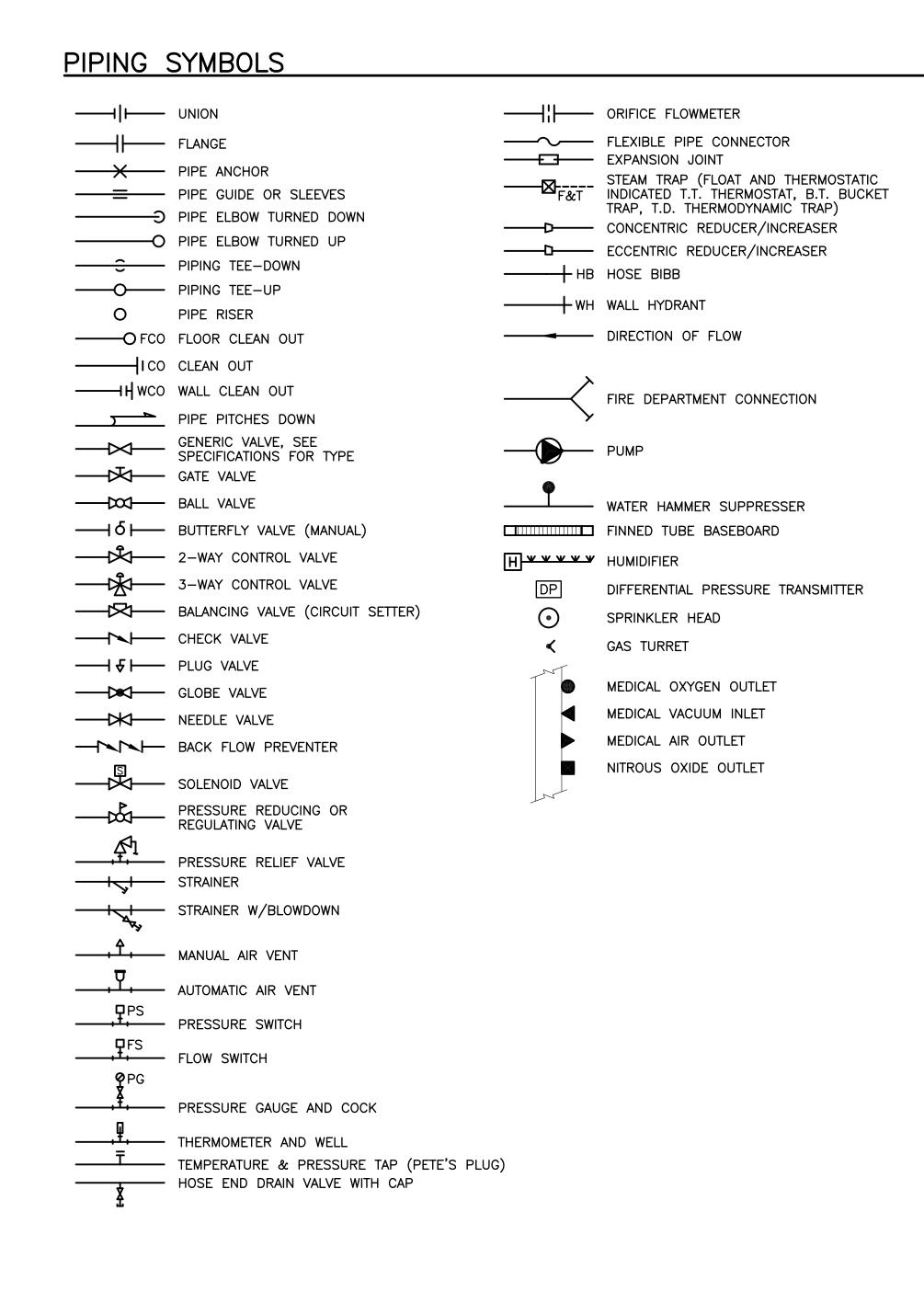


---HCR--- HOT/ CHILLED WATER RETURN

——HCS—— HOT/ CHILLED WATER SUPPLY



---- V SANITARY VENT (EXIST.)

---- V SANITARY VENT (BELOW SLAB)

---- V SANITARY VENT (BELOW SLAB-EXIST.)

PIPING SYSTEMS		
<u> </u>		
—10:1 HF — 10:1 HF		——————————————————————————————————————
AV ACID VENT	——HG —— HOT GAS	R RELIEF LINE
—— AD —— ACID DRAIN		RL
AD ACID DRAIN (BELOW SLAB)	HPR HIGH PRESSURE CONDENSATE RETURN	RS REFRIGERANT SUCTION
BA BREATHING AIR	HWS HOT WATER SUPPLY	SLD MIXED SOLVENT DRAIN
CD CONDENSATE DRAIN		——SV—— SOLVENT
	IAD ISOPROPYL ALCOHOL DRAIN	—— SP —— SPRINKLER
	LP LIQUID PROPANE GAS	TWS TEMPERED CHILLED WATER SUPPLY
——CHWR—— CHILLED WATER RETURN		TWR TEMPERED CHILLED WATER RETURN
		——VAC —— PLANT VACUUM
CWR CONDENSER WATER RETURN	LPR LOW PRESSURE RETURN	——ZB—— ZONE VALVE BOX
——DB —— DISTRIBUTION VALVE BOX	MA MEDICAL AIR	
—— DIS —— DEIONIZED WATER SUPPLY		
DIR DEIONIZED WATER RETURN	MPR MEDIUM PRESSURE RETURN	
—— EKCD —— EKC DRAIN	MV MEDICAL VACUUM	
—— ESEW —— EYEWASH		
FCS FREE COOLING SUPPLY	N2 PROCESS NITROGEN	
	NG NATURAL GAS	——————————————————————————————————————
FOS FUEL OIL SUPPLY		S, W or KW SANITARY, W WASTE & KW KITCHEN WASTE (BELOW SLAB)
FOR FUEL OIL RETURN	NO2 NITROUS OXIDE	S, W or KW SANITARY, W WASTE & KW KITCHEN WASTE (BELOW SLAB-EXIST.)
	- NEG. SOLV NEGATIVE SOLVENT DRAIN	——————————————————————————————————————
GCR GRAVITY STEAM CONDENSATE RETURN		
—— GLY —— GLYCOL		SD STORM DRAIN (BELOW SLAB)
—— GV —— GAS VENT		SD STORM DRAIN (BELOW SLAB-EXIST.)
—— H —— HYDROGEN	PCWR PROCESS COOLING WATER RETURN	V SANITARY VENT

—— PC —— PUMPED STEAM CONDENSATE

—— PD —— PUMPED DISCHARGE

-POS. SOLV.- POSITIVE SOLVENT DRAIN

ABBREVIATIONS

AAV	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
ΑE	ACID EXHAUST	(E)	EXISTING	PPE	PRE PURCHASED EQUIPMENT
AFF	ABOVE FINISHED FLOOR	EXIST.	EXISTING	PRS	PRESSURE REDUCING STATION
AFMS	AIR FLOW MEASURING STATION	FBO	FURNISHED BY OWNER	PRV	PRESSURE REDUCING VALVE
AHU	AIR HANDLING UNIT	FBP	FACE AND BYPASS	PVD	PNEUMATIC VOLUME DAMPER
ATC	AUTOMATIC TEMPERATURE CONTROL	FC	FLEXIBLE CONNECTION	(R)	REMOVE
AV	AIR VENT	FCO	FLOOR CLEANOUT	RA	RETURN AIR
ВА	BREATHING COMPRESSED AIR	FD-#	FLOOR DRAIN TAG	(REL.)	RELOCATED
BB	BASEBOARD	FD	FIRE DAMPER	RD	ROOF DRAIN
BDD	BACKDRAFT DAMPER	FG	FIBERGLASS	RF	RETURN FAN
BG	BLAST GATE	F & T	FLOAT AND THERMOSTATIC	RG	RETURN GRILLE
BFP	BACKFLOW PREVENTER	FO	FLAT OVAL	RHC	REHEAT COIL
BLDG	BUILDING	FRHB	FREEZE RESISTANT HOSE BIBB	RM	ROOM
30D	BOTTOM OF DUCT	FTR	FINNED TUBE RADIATION	RPZ	REDUCED PRESSURE ZONE BFP
30P	BOTTOM OF PIPE	FS	FLOW SWITCH	RR	RETURN REGISTER
BTU	BRITISH THERMAL UNIT	GC	GENERAL CONTRACTOR	RV	RELIEF VALVE
CBD	COUNTER BALANCED DAMPER	GPM	GALLONS PER MINUTE	SA	SUPPLY AIR
CD	CEILING DIFFUSER	Н	HUMIDIFIER	SCV	SELF CONTAINED VALVE
CFF	CAPPED FOR FUTURE	НВ	HOSE BIB	SD	SMOKE DETECTOR
CFM	CUBIC FEET PER MINUTE	HRU	HEAT RECOVERY UNIT	SF	SUPPLY FAN
CLG	CEILING	HTR	HEATER	SG	SUPPLY GRILLE
СО	CLEANOUT	H & V	HEATING AND VENTILATION	SR	SUPPLY REGISTER
ONT	CONTINUATION	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	SS	STAINLESS STEEL
OORD	COORDINATE	HW	HOT WATER	TE	TEMPERATURIZED ELEMENT (SENSOI
СР	CONDENSATE PUMP & RECEIVER	НХ	HEAT EXCHANGER	TG	TRANSFER GRILLE
СТ	COOLING TOWER	IN WG	INCHES WATER GAUGE	TOD	TOP OF DUCT
CTE	CONNECT TO EXISTING	LD	LINED DUCT	TOP	TOP OF PIPE
CU	COPPER	MAU	MAKE UP AIR UNIT	TTS	TIGHT TO STEEL
CUH	CABINET UNIT HEATER	MAX	MAXIMUM	TV	TURNING VANE(S)
CV	CONTROL VALVE	МВН	1000 BTU/HR.	TYP	TYPICAL
CW	COLD WATER	ME	MECHANICAL ENGINEER	UH	UNIT HEATER
W-P	CITY WATER-PROCESS	MFR	MANUFACTURER	UIC	UP IN CHASE
DC	DOUBLE CONTAINED	MIN	MINIMUM	UIW	UP IN WALL
DDC	DIRECT DIGITAL CONTROL	MD	MOTOR OPERATED DAMPER	UV	UNIT VENTILATOR
DIA	DIAMETER	MPV	MULTI-PURPOSE VALVE	VAV	VARIABLE AIR VOLUME BOX
DIC	DOWN IN CHASE	MTD	MOUNTED	VB	VACUUM BREAKER
DIW	DOWN IN WALL	MUA	MAKE UP AIR	VTR	VENT THRU ROOF
DN	DOWN	NPW	NON-POTABLE WATER	VD	MANUAL VOLUME DAMPER
DS	DOWNSPOUT	NTS	NOT TO SCALE	VCFF	VALVED AND CAPPED FOR FUTURE
DT	DROP AND TRANSITION	OA	OUTSIDE AIR	VFD	VARIABLE FREQUENCY DRIVE
OWG	DRAWING	OBD	OPPOSED BLADE DAMPER	VOC	VOLATILE ORGANIC COMPOUNDS
HWC	DOMESTIC WATER HEATER	OED	OPEN ENDED DUCT	W/	WITH
		P-#	PLUMBING FIXTURE TAG	WCO	WALL CLEANOUT
		PEA	ALKALI EXHAUST	WH	WALL HYDRANT
		PEH	HEAT EXHAUST		

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LEGEND AND

ABBREVIATIONS
SHEET TITLE:

SHEET TITLE:				
SCALE:	NOT TO SCALE	DATE:	5-21-03	
PROJECT MANAGER	R: JLH	GRAPHIC SCALE:	0" 1"	
JOB CAP/DRAWN:	RJL/BGG			
A/E OF RECORD:	DCM	SHEET No.		
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GENERAL NOTE

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