

BASIC PLUMBING PIPING

SYMBOL	DESCRIPTION	ABBREVIATION	SYMBOL	DESCRIPTION	ABBREVIATION
	STORM DRAIN	SD		FLOW SWITCH	FSW
	SANITARY SEWER	SS		PRESSURE SWITCH	PS
	VENT	V		GATE VALVE	GV
	COMBINATION WASTE AND VENT	CWV		GLOVE VALVE	GLV
	GREASE WASTE	GW		ANGLE VALVE	ANV
	ACID DRAIN	AD		BALL VALVE	BFV
	ACID VENT	AV		POST INDICATOR VALVE	PIV
	DRAIN	D		SWING CHECK VALVE	CV
	VENTS FOR TANKS OR EQUIPMENT	EV		BACKFLOW PREVENTOR	BFP
	COLD WATER	CW		GAS COCK, GAS STOP, PLUG COCK	GC, GS, PC
	HOT WATER	HW		PLUG VALVE, BALANCING COCK	PC, PV, BC
	HOT WATER RETURN	HWR		AIR OPERATED VALVE (PNEUMATIC)	AVA
	DOMESTIC HOT WATER SUPPLY (140°F)			MOTOR OR SOLENOID OPERATED VALVE (ELECTRIC)	MVA
	(180°F) SANITIZING HOT WATER	180°S		SELF-OPERATED VALVE (THERMO, VAPOR-PRESSURE)	TVA
	(180°F) SANITIZING HOT WATER RETURN	180°R		GAS PRESSURE REGULATOR	GPR
	CHILLED DRINKING WATER SUPPLY	DWS		VALVE IN RISER (TYPE AS SPECIFIED OR NOTED)	
	DISTILLED WATER	DWR		PIPE ANCHOR	AN
	CHILLED DRINKING WATER RETURN	DI		PIPE GUIDE	GJ
	SUMP PUMP DISCHARGE	SPD		EXPANSION JOINT	EJ
	PITCH DOWN IN DIRECTION OF ARROW			FLEXIBLE CONNECTOR (FLEX. CONN.)	FC
	FLOW - IN DIRECTION OF ARROW			STRAINER-WYE TYPE	STR
	RISER DOWN (ELBOW)			STRAINER-VERTICAL BASKET TYPE	STR
	RISER UP (ELBOW)			WATER HAMMER ARRESTOR	WHA
	COMBINATION PRV & RELIEF VALVE			PRESSURE GAUGE WITH GAUGE COCK	PG
	RISE OR DROP			THERMOMETER (STRAIGHT SCALE)	TH
	BRANCH CONNECTION OUT OF TOP			AUTOMATIC AIR VENT	AAV
	BRANCH CONNECTION OUT OF BOTTOM			AIR CHAMBER	ACH
	BRANCH CONNECTION OUT OF SIDE			HOSE BIB	HB
	CAP ON END OF PIPE	COP		VALVE IN CAST IRON BOX	
	PLUGGED TEE	PT		VACUUM BREAKER (ELEVATION)	VB
	CONCENTRIC REDUCER	CR		TRAP, STEAM OR MOISTURE	T
	ECCENTRIC REDUCER	ER		SIGHT GLASS	SG
	UNION (SCREWED)	UN		BLIND FLANGE CONNECTION	BF
	UNION (FLANGED)	UN		VALVE WITH CHAIN OPERATOR	CHO
	LAWN SPRINKLER MAIN SUPPLY	LSM		BLOW-DOWN VALVE (Y-PATTERN)	BDV
	LAWN SPRINKLER BRANCH	LS		TEST PLUG	TP
	PRESSURE REDUCING VALVE	PRV		AUXILIARY ROOF DRAIN	ARD
	PRESSURE RELIEF VALVE	RV		PLUMBING RISER NUMBER	
	BUTTERFLY VALVE				

ABBREVIATIONS

DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION
ABOVE FINISH FLOOR	AFF	ENTERING WET BULB	EWB	MOUNTED	MTD
AIR FILTER	AF	EXTERNAL STATIC PRESSURE	ESP	OPPOSED BLADE DAMPER	OBD
AIR COMPRESSOR	AC	EXHAUST	EXH	OUTSIDE AIR	OSA
AIR COOLED CONDENSER	ACC	EXHAUST FAN	EF	PACKAGE TERMINAL AIR CONDITIONER	PTAC
AIR HANDLING UNIT	AHU	FEET PER MINUTE	FPM	PLUMBING	PLBG
AMBIENT	AMB	FLOOR CLEANOUT	FCO	POUNDS PER SQUARE INCH	PSI
AREA DRAIN	AD	FLOOR DRAIN	FD	PLUMBING FIXTURE	P
AUTOMATIC DAMPER	ADPR	FAN	F	POWER ROOF VENTILATION	PRV
AUXILIARY ROOF DRAIN	ARD	FAN COIL UNIT	FCU	PRESSURE DROP	PD
BACK DRAFT DAMPER	BD	FINNED TUBE	FT	REGISTER	REG
BLOWER COIL UNIT	BCU	FIRE DAMPER	FDPR	RELATIVE HUMIDITY	RH
BOILER	B	FLEXIBLE CONNECTION	FLEX CONN	RETURN AIR	RA
BOTTOM OF PIPE	B.O.P	FLOOR	FLR	RETURN AIR GRILLE	RAG
BOTTOM OF DUCT	B.O.D	FLY FAN	FF	REVOLUTIONS PER MINUTE	RPM
BOILER FEED UNIT	BFU	FREEZE PROOF WALL HYDRANT	FPWH	ROOM AIR CONDITIONING UNIT	RAC
BRITISH THERMAL UNITS	BTU	FREEZE PROOF BOX HYDRANT	FPBH	ROOF DRAIN	RD
CAPACITY	CAP	FORWARD CURVE	FC	SATURATED CONDENSING TEMPERATURE	SCT
CATCH BASIN	CB	FURNACE	FU	SATURATED SUCTION TEMPERATURE	SST
CAST IRON	CI	GALLON	GAL	SPLITTER DAMPER	SD
CEILING DIFFUSER	CD	GALLONS PER HOUR	GPH	STAINLESS STEEL	SS
CHILLED WATER PUMP	CWP	GALLONS PER MINUTE	GPM	STATIC PRESSURE	SP
CHILLED WATER STORAGE TANK	CWT	GRAVITY ROOF VENTILATOR	GRV	STEAM	STM
CHILLER	CH	GREASE TRAP	GT	SUPPLY AIR	SA
CIRCULATING PUMP	CP	HEAT RECLAIM WATER HEATER	HRWH	SUPPLY FAN	SF
CLEAN OUT	CO	HEATING COIL	HC	TEMPERATURE	TEMP
CLEAN OUT TO GRADE	COTG	HEATING AND VENTILATING UNIT	HV	THERMOSTAT	TSTAT
COMPUTER ROOM UNIT	CRU	HEATING, VENTILATING & COOLING	HVAC	THOUSAND BTU/PER HOUR	TBHP
CONVERTOR	C	HORSE POWER	HP	THREE WAY MODULATING VALVE	TWMV
CONDENSING UNIT	CU	HOT WATER GENERATOR	HWG	TOTAL STATIC PRESSURE	TSP
CONNECT	CONN	HOT WATER PUMP	HWP	TOTAL DYNAMIC HEAD	TDH
COOLING COIL	CC	HOT WATER STORAGE TANK	HWT	UNIT COOLER	UC
COOLING TOWER	CT	HOSE BIBB	HB	UNIT HEATER	UH
CUBIC FEET PER MINUTE	CFM	HOSE STATION	HS	UNIT VENTILATOR	UV
COMB. FIRE, SMOKE DAMPER	FSDPR	HUMIDIFIER	H	URINAL	UR
CONDENSATE RETURN	CR	INTAKE VENTILATOR	IV	VARIABLE FREQUENCY DRIVE	VFD
DAMPER	DPR	INVEST	INV	VENT THROUGH ROOF	VTR
DESICCANT DEHUMIDIFIER	DD	KILOWATTS	KW	WATER HEATER	WH
DETAIL	DTL	LEAVING AIR TEMPERATURE	LAT	WALL CLEANOUT	WCO
DOOR GRILLE	DG	LEAVING DRY BULB	LDB	WATER CLOSET	WC
DOWN SPOUT	DS	LEAVING WATER TEMPERATURE	LWT	WATER PRESSURE DROP	WPD
DRY BULB	DB	LEAVING WET BULB	LWB	WATER TEMPERATURE DIFFERENCE	WTD
DRINKING FOUNTAIN	DF	LAVATORY	LAV	WATER TEMPERING VALVE	WTV
DUCT HEATING COIL	DHC	LINEAR DIFFUSER	LD	WET BULB	WB
EFFICIENT	EFF	MANHOLE	MH		
ELECTRIC HEATING COIL	EHC	MAKE-UP AIR UNIT	MAU		
ELECTRIC WATER HEATER	EWH	MANUAL DAMPER	MD		
ENERGY EFFICIENCY RATIO	EER	MAXIMUM	MAX		
ENTERING AIR TEMPERATURE	EAT	MINIMUM	MIN		
ENTERING DRY BULB	EDB	MOTOR OPERATED DAMPER	MOD		
ENTERING WATER TEMPERATURE	EWT	MULTI ZONE AIR UNIT	MZ		

POLK STANLEY YEARY ARCHITECTS, LTD.

700 SOUTH SCHILLER
LITTLE ROCK, AR 72201
501 378-0878
FAX 372-7629

21 W. MOUNTAIN, SUITE 227
FAYETTEVILLE, AR 72701
479-444-0473

CONSULTANTS:

OWNER'S PROJECT ADVISOR:
MOSES TUCKER REAL ESTATE, INC.

CIVIL ENGINEER:
MCLELLAND ENGINEERS

LANDSCAPE ARCHITECT:
LARSON BURNS SMITH

STRUCTURAL ENGINEER:
CROMWELL ENGINEERS INC.

MECH., ELEC., PLUMB. ENGINEER:
CROMWELL ENGINEERS INC.

SUSTAINABLE CONSULTANT:
BNM / ELEMENTS

GLOBAL VILLAGE CONSULTANT
CAMBRIDGE SEVEN ASSOCIATES

INTERIOR DESIGNER:
POLK STANLEY YEARY

GENERAL CONTRACTOR:
CDI

GENERAL NOTES:

HVAC PIPING

SYMBOL	DESCRIPTION	ABBREVIATION
	GAS - LOW PRESSURE	G
	GAS - MEDIUM PRESSURE	MPG
	GAS - HIGH PRESSURE	HPG
	GAS - LIQUIFIED PETROLEUM	LPG
	COMPRESSED AIR	A
	VACUUM	V
	OXYGEN	O
	HOT WATER SUPPLY, HEATING	HS
	HOT WATER RETURN, HEATING	HR
	CHILLED WATER SUPPLY	CHS
	CHILLED WATER SERIES SUPPLY	CHSS
	CHILLED WATER RETURN	CHR
	HOT-CHILLED SUPPLY	HCS
	HOT CHILLED RETURN	HCR
	CONDENSER WATER SUPPLY	CWS
	CONDENSER WATER RETURN	CWR
	STEAM (NO. INDICATES PRESSURE)	S 100
	CONDENSATE RETURN (NO. INDICATES PRESSURE OF SUPPLY)	C 100
	CONDENSATE PUMP DISCHARGE	CPD
	BOILER FEED WATER	BFW
	BLOW DOWN	BD
	FUEL OIL SUPPLY	FOS
	FUEL OIL RETURN	FOR
	HEAT TRANSFER SUPPLY	HTS
	HEAT TRANSFER RETURN	HTR
	THERMOSTAT	TSTAT
	HUMIDISTAT	
	REFRIGERANT DISCHARGE	RD
	REFRIGERANT SUCTION	RS
	REFRIGERANT LIQUID	RL
	REFRIGERANT HOT GAS	RHG
	CONNECT TO EXISTING	

HVAC DUCTWORK

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SUPPLY UP		FIRE OR SMOKE DAMPER
	RETURN UP		SPLITTER DAMPER AT BRANCH OFF
	SUPPLY DOWN		SPLITTER DAMPER AT TEE
	RETURN DOWN		BULL HEAD TEE W/ TURNING VANES & DAMPERS
	ROUND UP		TAKE OFF W/ EXTRACTOR & MANUAL DAMPER
	ROUND DOWN		RECTANGULAR TRANSITION
	ROUND DUCT BREAK		90° BEND, ROUND DUCT
	RECTANGULAR DUCT BREAK		45° BEND, ROUND DUCT
	DOOR GRILLE		45° RECTANGULAR DUCT
	OPPOSED BLADE DAMPER		RETURN AIR DEVICE
	PARALLEL BLADE DAMPER		EXHAUST AIR DEVICE
	MANUAL DAMPER		
	FLEXIBLE CONNECTION		
	LINED DUCT		
	DOUBLE WALL DUCT WITH PERFORATED LINER		
	90° ELBOW W/TURNING VANE		
	SUPPLY AIR DEVICE		

NOTE: ALL SYMBOLS MAY NOT BE USED.

NOTES:

ISSUE DATE:
DECEMBER 15, 2003
CORE/SHELL
PACKAGE #5

REVISIONS:

#	DATE	DESCRIPTION
1	1-16-04	ADDENDUM #1
2	7-1-04	PACKAGE 7, 100% ROLL UP

HEIFER INTERNATIONAL CENTER OFFICE BUILDING

LITTLE ROCK, ARKANSAS

PSY PROJECT NUMBER:
431C

CONTENTS:
MECHANICAL LEGEND

SHEET NUMBER:

M000

