

ABBREVIATIONS

ABV	ABOVE	MBH	THOUSANDS BTU/HR
ACU	AIR CONDITIONING UNIT	MECH	MECHANICAL
A/C	ABOVE CEILING	MV	MIXING VALVE
AD	ACCESS DOOR	MUW	MAKE-UP WATER
AFF	ABOVE FINISHED FLOOR		
AFG	ABOVE FINISHED GRADE		
AHU	AIR HANDLING UNIT	N/A	NOT APPLICABLE
AP	ACCESS PANEL	NIC	NOT IN CONTRACT
AUX	AUXILIARY	NFWH	NON-FREEZE WALL HYDRANT
AV	ACID VENT	NTS	NOT TO SCALE
AVTR	ACID VENT THRU ROOF		
AW	ACID WASTE		
		OC	ON CENTER
		OPP	OPPOSED
		OS&Y	OUTSIDE SCREW AND YOKE
BFP	BACKFLOW PREVENTER		
BTUH	BRITISH THERMAL UNITS PER HOUR		
B/F	BELOW FLOOR		
		P	PUMP
C	CONDENSATE DRAIN	PD	PRESSURE DROP
CF	CAP FOR FUTURE	PI	PRESSURE INDICATOR
CFH	CUBIC FEET PER HOUR	PIV	POST INDICATOR VALVE
CFM	CUBIC FEET PER MINUTE	PLD	PLANTER DRAIN
C/L	CENTERLINE	POC	POINT OF CONNECTION
CO	CLEAN OUT	PRESS	PRESSURE
CONC	CONCRETE	PRV	PRESSURE REGULATING VALVE
CONN	CONNECTION	PS	PRESSURE SWITCH
CONT	CONTINUED, CONTINUATION	PSIG	POUNDS PER SQUARE INCH GAUGE
CV	CONTROL VALVE	PVC	POLYVINYL CHLORIDE
CW	COLD WATER		
		QTY	QUANTITY
D	DRAIN		
DEPT.	DEPARTMENT	RD	ROOF DRAIN
DF	DRINKING FOUNTAIN	REF	REFERENCE
DI	DE-IONIZE WATER SUPPLY	RM	ROOM
DIA (Ø)	DIAMETER	RL	RAIN WATER LEADER
DIM	DIMENSION	RTU	ROOF TOP UNIT
DN	DOWN		
DR	DE-IONIZE WATER RETURN		
DWG	DRAWING		
		SAN	SANITARY
		SHT	SHEET
		SQ FT	SQUARE FOOT
		ST	STORM
		STM	STEAM
EFF	EFFICIENCY	TEMP	TEMPERATURE
EL	ELEVATION	TK	TANK
ELEC	ELECTRIC	TP	TRAP PRIMER
ENT	ENTERING	TYP	TYPICAL
EOM	END OF MAIN DRIP	TW	TEMPERED WATER
EW	ELECTRIC WATER HEATER		
EW	ELECTRIC WATER COOLER		
EXIST	EXISTING		
		U/G	UNDER GROUND
F	FIRE WATER		
FA	FRESH AIR	V	VENT
FCO	FLOOR CLEAN OUT	VAC	VACUUM
FD	FLOOR DRAIN	VEL	VELOCITY
FDC	FIRE DEPT. CONN.	VERT	VERTICAL
FHC	FIRE HOSE CABINET	VTR	VENT THRU ROOF
FIN	FINISHED		
FL	FLOOR	W	WASTE
FLEX	FLEXIBLE	W/	WITH
FP	FIRE PUMP	WCO	WALL CLEAN OUT
FPM	FEET PER MINUTE	WG	WATER GAUGE
FS	FLOW SWITCH	WH	WATER HEATER
FT	FEET	WHA	WATER HAMMER ARRESTER
FUT	FUTURE	W/O	WITHOUT
		WS	SERVICE WATER
GND	GROUND	WTR	WATER
GPM	GALLONS PER MINUTE		
GV	GATE VALVE		
HB	HOSE BIBB		
HORIZ	HORIZONTAL		
HP	HORSEPOWER		
HTG	HEATING		
HW	HOT WATER (DOMESTIC)		
HWR	HOT WATER RETURN		
HWRP	HOT WATER RETURN PUMP		
IE	INVERT ELEVATION		
IN	INCHES		
ID	INSIDE DIMENSION		
IW	INDIRECT WASTE		
INC	INCREASER		
KW	KILOWATT		
LAB	LABORATORY		
LAV	LAVATORY		
LB	POUND		
LVG	LEAVING		

PIPE LINES

----	COLD WATER (DOMESTIC) - CW
----	HOT WATER (DOMESTIC) - HW
----	HOT WATER RECIRCULATING (DOMESTIC) - HWR
----	VENT (V)
— SAN —	SANITARY PIPING
— SAN —	UNDERGROUND SANITARY
— C —	CONDENSATE DRAIN
— G —	NATURAL GAS
— ST —	STORM
— — —	UNDERGROUND STORM
— IW —	INDIRECT WASTE

PIPE AND FITTING SYSTEM

	GATE VALVE
	O.S. & Y. GATE VALVE W/ TAMPER SWITCH
	GLOBE VALVE
	ANGLE GATE VALVE
	ANGLE GLOBE VALVE
	SWING CHECK VALVE
	BUTTERFLY VALVE
	PLUG VALVE
	BALL VALVE
	UNION
	P-TRAP
	ELBOW UP
	ELBOW DN
	RISE OR DROP
	BRANCH CONNECTION DN
	PRESSURE GAUGE W/TRY COCK
	TEST PLUG
	FLOW SWITCH
	FLOW INDICATOR/SENSOR
	REDUCER, CONCENTRIC
	REDUCER, ECCENTRIC STRAIGHT CROWN
	REDUCER, ECCENTRIC STRAIGHT INVERT
	PRESSURE REDUCING VALVE
	SAFETY OR RELIEF VALVE
	AUTOMATIC AIR VENT VALVE
	MANUAL AIR VENT VALVE
	STRAINER, Y TYPE W/GATE VALVE OR HOSE BIBB
	FLEXIBLE CONNECTION
	EXPANSION JOINT
	FLOW DIRECTION
	CAPPED END
	BACKFLOW PREVENTER
	SIAMESE FIRE DEPARTMENT CONNECTION
	POST INDICATOR VALVE (PIV)
	SUPERVISORY BUTTERFLY VALVE
	POINT OF CONNECTION
	WALL CLEAN OUT
	FLOOR DRAIN

NOTE:
NOT ALL ABBREVIATIONS OR SYMBOLS APPLY TO THIS PROJECT

GENERAL NOTES

- ALL PLUMBING WORK SHALL CONFORM WITH THE REQUIREMENTS AND REGULATIONS OF INTERNATIONAL PLUMBING CODE, VA STANDARDS AND REGULATIONS, AND ALL LOCAL AUTHORITY HAVING JURISDICTION.
- ALL PLUMBING SHALL BE COORDINATED AND VERIFIED FOR ANY INTERFERENCE WITH OTHER TRADES, BEFORE FABRICATION AND INSTALLATION.
- CONTRACTOR SHALL COORDINATE WITH THE CIVIL DRAWINGS FOR ALL REQUIRED CONNECTIONS AND INTERFACE OF WATER, AND STORM LINES
- THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAKE FINAL CONNECTIONS TO ALL FIXTURES DESIGNATED ON THE ARCHITECTURAL AND PLUMBING DRAWINGS.
- ANY FIXTURES DAMAGED DUE TO THE CONTRACTORS NEGLIGENCE WILL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- UNLESS OTHERWISE NOTED, ALL GRAVITY LINES SHALL BE INSTALLED WITH INVERTS OF 1'-6" BELOW FINISHED FLOOR AT THE START OF EACH LINE.
- ALL ABOVE GROUND HORIZONTAL PIPING LOCATED IN AREAS PROVIDED WITH SUSPENDED CEILING SHALL BE INSTALLED ABOVE SUCH CEILING UNLESS OTHERWISE NOTED.
- PLUMBING SUPPORTS AND HANGERS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR. ALL SLEEVES REQUIRED SHALL BE PROVIDED BY THE CONTRACTOR. PIPING SUPPORTS AND HANGERS SHALL BE IN ACCORDANCE WITH H-18-8 VA SEISMIC DESIGN REQUIREMENTS.
- ALL PLUMBING STORM PIPING SYSTEMS SHALL BE PROVIDED WITH FLOOR CLEANOUTS (FCO) WALL CLEANOUTS (WCO) OR STRAIGHT PIPE CLEANOUTS (CO) AS SHOWN AND AS REQUIRED BY CODE.
- COORDINATE LOCATION OF FIXTURES WITH ARCHITECTURAL DRAWINGS.
- CLEANOUT PLUGS SHALL BE INSTALLED AT THE BASE OF ALL STORM PIPING SYSTEMS STACKS.
- SLOPE SHALL BE 1/8" PER FOOT UNLESS OTHERWISE NOTED FOR STORM/CONDENSATE PIPING 3" AND LARGER (1/4" PER FOOT FOR 2 1/2" AND SMALLER).
- REFER TO RISER DIAGRAMS FOR PIPING TO PLUMBING FIXTURES.

BID ALTERNATE NOTES:

SEE SPECIFICATION SECTION 010000 GENERAL REQUIREMENTS FOR BID ALTERNATES: IF BID ALTERNATE NO. 5 AND/OR NO. 6 IS ACCEPTED, RELOCATE PLUMBING EQUIPMENT FROM LEVEL SHOWN TO THE APPROPRIATE LEVEL WITH ALL ASSOCIATED SYSTEMS. RELOCATE AREA/FLOOR DRAINS SHOWN ON UPPER LEVEL AND DRAINAGE PIPING BELOW UPPER LEVEL FLOOR TO FINAL UPPER LEVEL PLAN AS REQUIRED.

FINAL CONSTRUCTION DRAWINGS
APPROVED FOR CONSTRUCTION

Dwg. File 1. ADDENDUM #1 8/20/15	ARCHITECT/ENGINEERS: AKEA INC. 3603 NW 98TH ST., SUITE B GAINESVILLE, FLORIDA 32606 PH: (352) 474-6124 FAX: (352) 474-6324 CERT OF AUTH: FL #26693 EXPIRES: 02/28/2017	Stephen T. Stoffe, PE Florida Reg. 70349	CONSULTANTS: WALKER PARKING CONSULTANTS 4904 Eisenhower Blvd Suite 150 Tampa, FL 33634 813.888.5800 Ph 813.888.5822 Fax BE-0003840 www.walkerparking.com	FRANK DAUGHTRY architect 200 E. Government Street Suite 240-A Pensacola, FL 32502 Voice 850-433-3023 Fax 850-433-3025 Email frank@frankdo.com	Approved: Asst. Chief, Engineering Service _____ Engineering Bldg. Maint. Foreman _____ Engineering Operation Foreman _____ Engineering Health & Safety _____ Engineering Planning & Analysis _____ C.O.T.R. _____	Drawing Title LEGENDS SYMBOLS AND ABBREVIATIONS	Project Title CONSTRUCT 525 SPACE PARKING GARAGE CONTRACT No. VA249-14-C-0150 P.O. No. 621C40254	Date MARCH 26, 2015 Project No. 621-330	DRAWING NO. P001	Location VAMC MOUNTAIN HOME, TENNESSEE	Building Number 160 Checked STS Drawn CRR
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