

ABBREVIATIONS

ABV ABOVE
ACU AIR CONDITIONING UNIT
A/C ABOVE CEILING
AD ACCESS DOOR
AFF ABOVE FINISHED FLOOR
AFG ABOVE FINISHED GRADE
AHU AIR HANDLING UNIT
AP ACCESS PANEL
AUX AUXILIARY
AV ACID VENT
AVTR ACID VENT THRU ROOF
AW ACID WASTE

BFP BACKFLOW PREVENTER
BTUH BRITISH THERMAL UNITS PER HOUR
B/F BELOW FLOOR

C CONDENSATE DRAIN
CFF CAP FOR FUTURE
CFH CUBIC FEET PER HOUR
CFM CUBIC FEET PER MINUTE
C/L CENTERLINE
CO CLEAN OUT
CONC CONCRETE
CONN CONNECTION
CONT CONTINUED, CONTINUATION
CV CONTROL VALVE
CW COLD WATER

D DRAIN
DEPT. DEPARTMENT
DF DRINKING FOUNTAIN
DI DE-IONIZE WATER SUPPLY
DIA (Ø) DIAMETER
DIM DIMENSION
DN DOWN
DR DE-IONIZE WATER RETURN
DWG DRAWING

EFF EFFICIENCY
EL ELEVATION
ELEC ELECTRIC
ENT ENTERING
EOM END OF MAIN DRIP
EWH ELECTRIC WATER HEATER
EWC ELECTRIC WATER COOLER
EXIST EXISTING

F FIRE WATER
FA FRESH AIR
FCO FLOOR CLEAN OUT
FD FLOOR DRAIN
FDC FIRE DEPT. CONN.
FHC FIRE HOSE CABINET
FIN FINISHED
FL FLOOR
FLEX FLEXIBLE
FP FIRE PUMP
FPM FEET PER MINUTE
FS FLOW SWITCH
FT FEET
FUT FUTURE

GND GROUND
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

MBH THOUSANDS BTU/HR
MECH MECHANICAL
MV MIXING VALVE
MUW MAKE-UP WATER

N/A NOT APPLICABLE
NIC NOT IN CONTRACT
NFWH NON-FREEZE WALL HYDRANT
NTS NOT TO SCALE

OC ON CENTER
OPP OPPOSED
OS&Y OUTSIDE SCREW AND YOKE

P PUMP
PD PRESSURE DROP
PI PRESSURE INDICATOR
PIV POST INDICATOR VALVE
PLD PLANTER DRAIN
POC POINT OF CONNECTION
PRESS PRESSURE
PRV PRESSURE REGULATING VALVE
PS PRESSURE SWITCH
PSIG POUNDS PER SQUARE INCH GAUGE
PVC POLYVINYL CHLORIDE

QTY QUANTITY

RD ROOF DRAIN
REF REFERENCE
RM ROOM
RL RAIN WATER LEADER
RTU ROOF TOP UNIT

SAN SANITARY
SHT SHEET
SQ FT SQUARE FOOT
ST STORM
STM STEAM

TEMP TEMPERATURE
TK TANK
TP TRAP PRIMER
TYP TYPICAL
TW TEMPERED WATER

U/G UNDER GROUND

V VENT
VAC VACUUM
VEL VELOCITY
VERT VERTICAL
VTR VENT THRU ROOF

W WASTE
W/ WITH
WCO WALL CLEAN OUT
WG WATER GAUGE
WH WATER HEATER
WHA WATER HAMMER ARRESTER
W/O WITHOUT
WS SERVICE WATER
WTR WATER

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 NEGLECT 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
Revisions	Date

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

AKEA, INC.

SEAL

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@frankda.com

Approved:

Asst. Chief, Engineering Service
Engineering Bldg. Maint. Foreman
Engineering Operation Foreman
Engineering Health & Safety
Engineering Planning & Analysis
C.O.T.R.

LEGENDS SYMBOLS AND
ABBREVIATIONS

Approved: Chief, Engineering Service

Approved: Service Chief

Project Title
**CONSTRUCT 525 SPACE
PARKING GARAGE**
CONTRACT No. VA249-14-C-0150 P.O. No. 621C40254

Building Number

160

Checked

STS

Drawn

CRR

Location
VAMC MOUNTAIN HOME, TENNESSEE

Date
MARCH 26, 2015

Project No.
621-330

DRAWING NO.

P001

Department of
Veterans Affairs