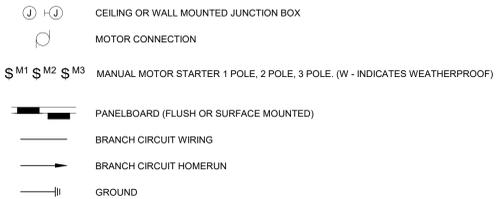
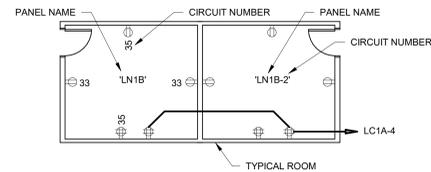


**GENERAL LEGEND**



NOTES: ALL MOUNTING HEIGHTS SHALL BE AS INDICATED IN THE LEGENDS OR INDICATED ON THE FLOOR PLANS. HEIGHT INDICATED ON FLOOR PLANS TAKE PRESEDENCE. (HEIGHT INDICATED IS TO CENTER OF THE DEVICE ABOVE FINISHED FLOOR).  
ALL DEVICES SHALL BE RECESSED MOUNTED FLUSH IN THE WALL, CEILING, OR FLOOR UNLESS OTHERWISE NOTED.

**CIRCUIT DESCRIPTIONS - POWER**



NOTES: CIRCUITING WILL BE SHOWN ON THE POWER PLANS WHERE A CIRCUIT PROVIDES POWER TO MULTIPLE ROOMS. CIRCUITING MAY NOT BE SHOWN WHERE A CIRCUIT PROVIDES POWER TO ONLY ONE ROOM AS SHOWN ABOVE.

**ELECTRICAL ABBREVIATIONS**

A	AMPERE	KW	KILOWATT
AFC	ABOVE FINISHED CEILING	LFMC	LIQUIDTIGHT FLEXIBLE METAL CONDUIT
AFB	ABOVE FINISHED FLOOR	LFNC	LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT
AFG	ABOVE FINISHED GRADE	LV	LOW VOLTAGE
AHU	AIR HANDLING UNIT	MAX	MAXIMUM
AIC	AMPERE INTERRUPTING CAPACITY	MCA	METAL-CLAD CABLE
AMP	AMPERE	MCA	MINIMUM CIRCUIT AMPACITY
ARCH	ARCHITECT/ARCHITECTURAL	MCB	MAIN CIRCUIT BREAKER
ATS	AUTOMATIC TRANSFER SWITCH	MCC	MOTOR CONTROL CENTER
AWG	AMERICAN WIRE GAUGE	MIN	MINIMUM
BFC	BELOW FINISHED CEILING	MISC	MISCELLANEOUS
BRK	BREAKER	MLO	MAIN LUG ONLY
CIRC	CIRCUIT	MOC	MAXIMUM OVER CURRENT PROTECTION
CLG	CEILING	MTS	MANUAL TRANSFER SWITCH
CCTV	CLOSED CIRCUIT TELEVISION	NEC	NATIONAL ELECTRIC CODE
CU	CONDENSING UNIT	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CORR	CORRIDOR	NFSS	NON-FUSED SAFETY SWITCH
CT	CURRENT TRANSFORMER/COOLING TOWER	NTS	NOT TO SCALE
CUH	CABINET UNIT HEATER	#	NUMBER
DEMO	DEMOLITION	OCPD	OVER CURRENT PROTECTION DEVICE
DISC	DISCONNECT	P	POLE
DIST	DISTRIBUTION	PDU	POWER DISTRIBUTION UNIT
DWG	DRAWING	PF	POWER FACTOR
EC	ELECTRICAL CONTRACTOR	PF	PROVISION FOR FUTURE
EP	EXHAUST FAN	PH	PHASE
EGC	EQUIPMENT GROUNDING CONDUCTOR	PNL	PANEL
ELEC	ELECTRICELECTRICAL	PSI	POUNDS PER SQUARE INCH
EM	EMERGENCY	PVC	RIGID POLYVINYL CHLORIDE CONDUIT
EMT	ELECTRICAL METALLIC TUBING	PWR	POWER
ENT	ELECTRICAL NONMETALLIC TUBING	Ø	PHASE
EPO	EMERGENCY POWER OFF	RIF	RADIO INTERFERENCE FILTER
ETR	EXISTING TO REMAIN	RLA	RUNNING LOAD AMPS
EWC	ELECTRIC WATER COOLER	RM	ROOM
EWH	ELECTRIC WATER HEATER	RMC	RIGID METAL CONDUIT
EX	EXISTING	RTU	ROOF TOP UNIT
FACP	FIRE ALARM CONTROL PANEL	SPEC	SPECIFICATION
FAAP	FIRE ALARM ANNUNCIATOR PANEL	SS	SURGE SUPPRESSION
FLA	FULL LOAD AMPS	SW	SWITCH
FSS	FUSED SAFETY SWITCH	SWBD	SWITCHBOARD
FT	FOOT	SWGR	SWITCHGEAR
GC	GENERAL CONTRACTOR	SYS	SYSTEM
GEC	GROUNDING ELECTRODE CONDUCTOR	TELE	TELEPHONE
GEN	GENERATOR	TEMP	TEMPERATURE
GF	GROUND FAULT INTERRUPTER	TV	TELEVISION
GND	GROUND	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
HD	HEAVY DUTY	TYP	TYPICAL
HID	HIGH INTENSITY DISCHARGE	UH	UNIT HEATER
HOA	HAND OFF AUTO	UL	UNDERWRITERS LABORATORY
HP	HORSEPOWER	UN	UNLESS OTHERWISE NOTED
HYAC	HEATING, VENTILATING, AND AIR CONDITIONING	UPS	UNINTERRUPTIBLE POWER SUPPLY
HZ	HERTZ	V	VOLT
IG	ISOLATED GROUND	VA	VOLT AMPERE
IMC	INTERMEDIATE METAL CONDUIT	VAV	VARIABLE AIR VOLUME
JB	JUNCTION BOX	VFD	VARIABLE FREQUENCY DRIVE
KO	KNOCK OUT	W	WATT/WEATHER PROOF
KVA	KILOVOLT-AMPERE	WP	WEATHERPROOF

**GENERAL ELECTRICAL NOTES**

- ALL WORK SHALL CONFORM TO THE REGULATIONS OF APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, AND CODES. ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED CODES AND OF THE AUTHORITY HAVING JURISDICTION.
- DRAWINGS ARE CONSIDERED DIAGRAMMATIC AND INDICATE A GENERAL ARRANGEMENT OF WORK. REFER TO THE ARCHITECTURAL DRAWINGS FOR COORDINATION AND EXACT EQUIPMENT LOCATIONS.
- VISIT THE PROJECT SITE AND INSPECT EXISTING SYSTEMS BEFORE BID IN ORDER TO ENSURE PROPER EVALUATION OF WORKING CONDITIONS AND LOCATION OF EXISTING EQUIPMENT.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND ASSOCIATED FEES AND TAXES.
- PROVIDE ALL MATERIAL AND EQUIPMENT NOT INDICATED AS EXISTING TO REMAIN IN THE CONTRACT DOCUMENTS.
- PROVIDE ALL SCAFFOLDING, RIGGING, HOISTING, AND SERVICES NECESSARY FOR ERECTION AND DELIVERY OF ANY EQUIPMENT.
- INSTALL ALL WORK IN A NEAT AND WORKMANLIKE MANNER. INSTALL ALL NEW WORK WITH MINIMUM INTERFERENCE TO EXISTING SYSTEMS.
- MAINTAIN A CLEAN WORK AREA AT ALL TIMES DURING CONSTRUCTION.
- DO NOT CUT STRUCTURAL MEMBERS OR SUPPORTS WITHOUT THE APPROVAL OF THE ARCHITECT AND STRUCTURAL ENGINEER.
- PROVIDE A MINIMUM ONE YEAR WARRANTY TO COVER ALL MATERIALS, EQUIPMENT, AND LABOR. WARRANTY SHALL START AFTER FINAL ACCEPTANCE BY THE OWNER AND IT SHALL COVER COSTS ASSOCIATED WITH ANY REPAIRS OR REPLACEMENTS CAUSED BY DEFECTIVE WORKMANSHIP OR FAULTY MATERIALS OR EQUIPMENT.
- TEST ALL SYSTEMS AFTER INSTALLATION. SYSTEMS SHALL OPERATE AS DESIGNED AND INTENDED.
- PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS.
- ALL DEVICES SHALL BE RECESSED MOUNTED FLUSH IN THE WALL, FLOOR, OR CEILING UNLESS OTHERWISE NOTED.
- ALL MOUNTING HEIGHTS ARE INDICATED WITHIN THE LEGENDS UNLESS OTHERWISE INDICATED ON THE FLOOR PLANS.
- CONTRACTOR SHALL X-RAY ANY NEW PENETRATIONS INTO AN EXISTING SLAB OR MASONRY WALL PRIOR TO CORING OR TRENCHING. COORDINATE X-RAY, CORING, AND TRENCHING WITH THE OWNER.

**MPE DESIGN SUMMARY**

PROJECT INFORMATION	
PROJECT NAME:	CHILLED WATER LINE REPLACEMENT BLDG 500
ADDRESS:	510 BUTLER AVE., MARTINSBURG WV, 25405
PROPOSED USE:	INSTITUTIONAL I-2
OWNER:	MARTINSBURG VA MEDICAL CENTER
OWNER CONTACT:	SAMUEL GUDEK
VE PROJ NO.:	17761-6
APPLICABLE CODES	
BUILDING CODE:	INTERNATIONAL BUILDING CODE: 2015
	INTERNATIONAL EXISTING BUILDING CODE: 2015
MECHANICAL CODE:	INTERNATIONAL MECHANICAL CODE: 2015
PLUMBING CODE:	INTERNATIONAL PLUMBING CODE: 2015
ELECTRICAL CODE:	NFPA 70 NATIONAL ELECTRICAL CODE: 2014
LIFE SAFETY CODE:	NFPA 101 LIFE SAFETY CODE: 2015
ENERGY CODE:	ASHRAE/IESNA 90.1-2010 ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL BUILDINGS
	INTERNATIONAL ENERGY CONSERVATION CODE: 2009
FM INSURED:	N/A
MEDICAL GAS & VACUUM SYSTEMS:	NFPA 99 STANDARD FOR HEALTH CARE FACILITIES: 2015
PROJECT TEAM	
PROJECT MANAGER:	PHIL GENTRY
PROJECT TEAM:	HVAC ENGINEER BRENT KUHN
	PLUMBING ENGINEER
	ELECTRICAL ENGINEER SCOTT BENNETT
	REVIT/CAD PROJECT LEAD JEFF HALBEISEN

**CONSULTANTS:**

**SEAL:**



**ARCHITECT/ENGINEERS:**

MEP ENGINEERS  
Valley Engineering  
4901 Crowe Drive  
Mount Crawford, VA 22841

STRUCTURAL ENGINEERS  
ADTEX Engineers, Inc.  
150 South East Street, Suite 201  
Frederick, MD 21701

Scale:  
AS NOTED

Drawing Title  
**ELECTRICAL LEGENDS,  
ABBREVIATIONS, AND NOTES**

Approved: Project Director  
**BID DOCUMENTS**

Project Title  
**CHILLED WATER LINE  
REPLACEMENT BLDG 500**

Location  
VAMC - Martinsburg, WV

Date  
04/22/2022

Checked  
SB

Drawn  
SG

Project Number  
613-16-302

Building Number  
500

Drawing Number  
**E0.01**

Dwg. 59 of 67

Office of  
Construction  
and Facilities  
Management

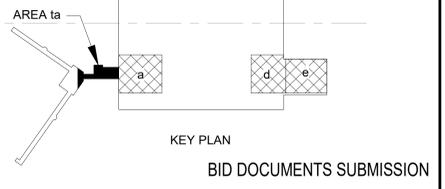
Department of  
Veterans Affairs

BID DOCUMENTS SUBMISSION

one eighth inch = one foot  
 one quarter inch = one foot  
 three eighths inch = one foot  
 one half inch = one foot  
 three quarters inch = one foot  
 one inch = one foot  
 one and one half inches = one foot  
 two inches = one foot  
 three inches = one foot



**ELECTRICAL POWER - BASEMENT INTERSTITIAL KEY PLAN**  
 SCALE: 1/16" = 1'-0"



Revisions:	Date

**CONSULTANTS:**

**SEAL:**

**ARCHITECT/ENGINEERS:**

MEP ENGINEERS  
 Valley Engineering  
 4901 Crowe Drive  
 Mount Crawford, VA 22841

STRUCTURAL ENGINEERS  
 ADTEX Engineers, Inc.  
 150 South East Street, Suite 201  
 Frederick, MD 21701

Scale:  
 AS NOTED

Drawing Title  
**ELECTRICAL POWER - BASEMENT INTERSTITIAL KEY PLAN**

Approved: Project Director

**BID DOCUMENTS**

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Dwg. 60 of 67

Office of Construction and Facilities Management

Department of Veterans Affairs













