DEPARTMENT OF VETERANS AFFAIRS

LEBANON, PENNSYLVANIA
PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER

PROJECT NO. 595-14-177

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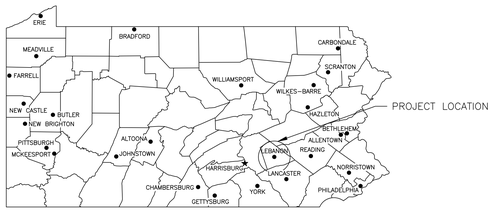

LOCATION MAP
SCALE: NOT TO SCALE

	FACILITY MANAGER
	MAINTENANCE/OPERATIONS SUPERVISOR
	MECHANICAL MAINTENANCE SUPERVISOR
PROJECT SIGNATURES	

Revisions	Date

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Drawing Title: COVER SHEET

Facility Project Name:

Project Title: PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

Building Number:

Checked: D.L.E.

Drawn: D.J.P.

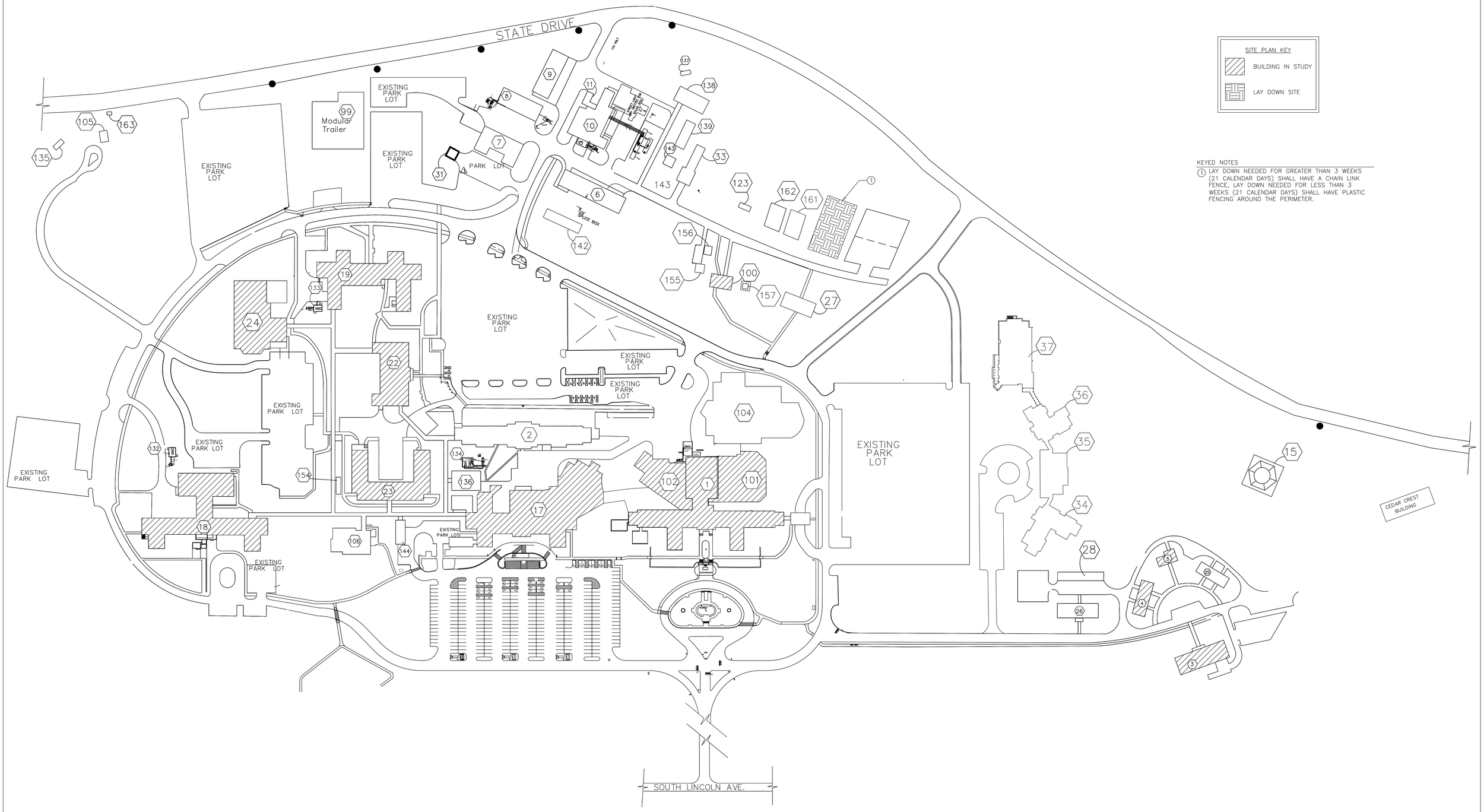
Location: LEBANON, PENNSYLVANIA

Date: 01/27/2015

Project No.: 595-14-177

DRAWING NO.
DRAWING LB-CS-01
DWG. 1 OF 58

Veterans Affairs



1 LB-SP-01 SITE PLAN LEBANON VAMC
SCALE: NO SCALE

Revisions	Date

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Drawing Title: SITE PLAN

Facility Project Name

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Building Number

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Location: LEBANON, PENNSYLVANIA

Date: 01/27/2015

Project No.: 595-14-177

DRAWING NO. DRAWING LB-SP-01

DWG. 2 OF 58

Veterans Affairs

PLUMBING GENERAL NOTES

1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PLUMBING SYSTEM AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATIVE OF WORK TO BE PERFORMED. THE DRAWINGS ARE NOT INTENDED TO SHOW EVERY PIPE, FITTING, VALVE OR APPURTENANCE REQUIRED FOR A COMPLETE INSTALLATION. DO NOT SCALE LOCATION DIMENSIONS FROM THESE DRAWINGS. DRAWINGS ARE NOT TO BE SCALED FOR THE ACCURATE CUTTING OF PIPE OR ITS EXACT LOCATION. BEFORE ANY PIPING IS INSTALLED, ASSESS EXISTING CONDITIONS AS TO AVOID ANY POSSIBLE INTERFERENCES. FAILURE TO COORDINATE SHALL NOT RESULT IN ANY ADDITIONAL EXPENSES TO THE CONTRACT.

2. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING ALL CONDITIONS AND DIMENSIONS AND FOR COORDINATION OF THEIR WORK WITH THAT OF ALL OTHER TRADES. PERFORM WORK IN A NEAT, ORDERLY MANNER AND WITH THE LEAST POSSIBLE INTERFERENCES.

3. WORK SHALL CONFORM TO OR MEET THE REQUIREMENTS OF THE MOST CURRENT EDITION OF:

   A. INTERNATIONAL PLUMBING CODE
   B. INTERNATIONAL ENERGY CONSERVATION CODE
   C. INTERNATIONAL BUILDING CODE
   D. NEC (NFPA 70)
   E. ALL FEDERAL, STATE AND LOCAL CODES AND ORDINANCES
   F. VA STANDARD DESIGN GUIDE PG-18-12
   G. VA PLUMBING DESIGN MANUAL, DATED NOVEMBER, 2014

4. CONTRACTOR SHALL CONFORM TO NSF 61 (605.4, 606.5, 702.1, 702.2, 703.3) FOR THE WATER DISTRIBUTION PIPING

5. CONTRACTOR SHALL PROTECT THE PIPING FROM STRESS AND STRAIN. CONTRACTOR SHALL PROTECT THE IN-SLAB PIPING FROM CORROSION AND STRESS/STRAIN TO CONFORM TO INTERNATIONAL PLUMBING CODE 305.1, 306.3, 308.5. REFER TO PIPING SUPPORT SPACING SCHEDULE OF THE CODE.

6. ALL MATERIALS, EQUIPMENT AND DEVICES SHALL, AS A MINIMUM, MEET THE REQUIREMENTS OF UL WHERE UL REQUIREMENTS ARE ESTABLISHED FOR THOSE ITEMS. ALL ITEMS SHALL BE CLASSIFIED BY UL AS SUITABLE FOR THE PURPOSE OF THE CODE.

7. WHERE PIPES PENETRATE FIRE RATED OR SMOKE RATED BARRIERS (WALLS, FLOORS AND CEILINGS). SEAL PENETRATIONS IN ACCORDANCE WITH NFPA 90A WITH UL LISTED FIRE STOPPING SYSTEM.

8. REFER TO SCHEMATIC DIAGRAMS FOR ALL PIPE SIZES AND PIPING LOCATIONS NOT SHOWN ON THE PLANS UNLESS NOTED OTHERWISE ON THE DRAWINGS.

9. ALL EQUIPMENT AND MATERIALS INCORPORATED IN THIS WORK SHALL BE NEW UNLESS NOTED OTHERWISE AND SHALL BE CURRENT PRODUCTS BY MANUFACTURERS REGULARLY ENGAGED IN THE PRODUCTION OF SUCH PRODUCTS.

10. ALL FACTORY APPLIED COATINGS AND FINISHES SHALL BE PROVIDED WITHOUT RUST, SCRATCHES OR DENTS.

11. CONTRACTOR SHALL OBTAIN ALL PERMITS, APPROVALS AND INSPECTIONS AS REQUIRED TO COMPLETE INSTALLATIONS INDICATED ON THESE DRAWINGS.

12. COMPLETE LAYOUT DRAWINGS SHALL BE REQUIRED BY SECTION 22 05 11 – COMMON WORK RESULTS FOR PLUMBING. CONSTRUCTION WORK SHALL NOT START ON ANY SYSTEM UNTIL THE LAYOUT DRAWINGS HAVE BEEN APPROVED.

13. CONTRACTOR MUST MAINTAIN CONTROL OF ALL TOOLS. NO TOOLS OR CONSTRUCTION MATERIALS CAN BE STORED IN STAIRWELLS AND PATHS OF EGRESS.

COORDINATION REQUIREMENTS

1. COORDINATE LOCATIONS AND INSTALLATION OF PLUMBING WORK TO AVOID CONFLICTS AND INTERFERENCES, MODIFICATIONS DUE TO FIELD CONDITIONS SHALL BE COMPLETELY RESOLVED BY CONTRACTING OFFICER OF RECORD (COR)

2. PROVIDE TO THE COR, DIMENSIONED LOCATIONS AND SIZES OF ALL REQUIRED FLOOR AND WALL OPENINGS. PROVIDE FOR INSTALLATION OF SLEEVES AND FRAMING AS REQUIRED.

PLUMBING INSTALLATION REQUIREMENTS:

1. INSTALL ALL EQUIPMENT AND MATERIAL IN ACCORDANCE WITH MANUFACTURER PRINTED INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS. MAINTAIN CLEARANCES FOR CLEARANCE ACCESS TO MAINTAIN AND SERVICE EQUIPMENT, VALVES AND CONTROLS.

2. ALL INSTALLATION AND WORK SHALL BE PERFORMED IN A NEAT, WORKMANLIKE MANNER SO AS NOT TO DAMAGE ANY SURFACES, EQUIPMENT OR MATERIALS.

3. ALL EQUIPMENT AND PIPING SHALL BE SUPPORTED IN AN APPROVED MANNER FROM THE BUILDING STRUCTURE AND INCLUDE HANGERS AND RESTRAINTS IN ACCORDANCE WITH ALL APPLICABLE CODES REQUIREMENTS. PLUMBING CONTRACTOR SHALL PROVIDE ALL ROOF OPENINGS, FLASHING, AUXILARY STEEL, THREADED RODS, ETC., TO SUPPORT EQUIPMENT FROM THE STRUCTURE.

4. PROVIDE PIPE ESCUTCHEONS AT ALL EXPOSED PENETRATIONS OF FLOORS, WALLS AND CEILINGS.

5. PIPE SIZES ARE IN INCHES UNLESS NOTED OTHERWISE.

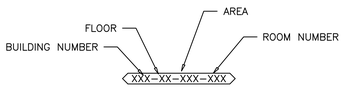
6. ALL SYSTEMS SHALL BE TESTED FOR PROPER OPERATION IN ACCORDANCE WITH APPLICABLE CODE OR REGULATION.

7. PLUMBING CONTRACTOR SHALL SEAL ALL PIPE PENETRATIONS THROUGH WALL, FLOORS AND WATERTIGHT. SEAL ALL PIPE PENETRATION THROUGH FIRE-RATED PARTITIONS WITH UL RATED FIRE RETARDANT CAULKING COMPOUND.

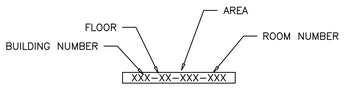
8. ALL CHANGES IN PIPE DIRECTION MUST COMPLY WITH THE FITTING INDICATED IN TABLE 707.3, INTERNATIONAL PLUMBING CODE.

NOTE:

1. CONTRACTOR SHALL COMPLETE ONE BUILDING BEFORE RELOCATING TO THE NEXT BUILDING. CONTRACTOR SHALL PROVIDE A PHASING SCHEDULE TO THE COR FOR APPROVAL BEFORE INITIATING WORK.



DEAD LEG TAG



MIXING VALVE TAG

PLUMBING GENERAL DEMOLITION NOTES

REMOVE ALL TYPE "A" AND TYPE "B" DEAD LEG PIPING AND ASSOCIATED FIXTURES, HANGERS, VALVES AND FITTINGS FOR DOMESTIC WATER BACK TO BRANCH TEE AND CAP TEE.

THE DEMOLITION WORK INDICATED ON THE DRAWING IS INTENDED TO ASSIST THE CONTRACTOR AND GIVE GENERAL INFORMATION. NOT ALL DEMOLITION OR TEMPORARY CONNECTIONS ARE SHOWN. LEGALLY DISPOSE OF ALL ITEMS AND MATERIALS, EXCEPT ANY ITEMS SPECIFICALLY DESIGNATED BY THE OWNER TO BE SALVAGED. REMOVE AND REPLACE THE DESIGNATED SALVAGED EQUIPMENT IN A LOCATION DIRECTED BY THE OWNER AT NO ADDITIONAL EXPENSE.

PLUMBING CONTRACTOR IS RESPONSIBLE FOR CUTTING AND PATCHING. THE PLUMBING CONTRACTOR SHALL CUT AND PATCH THE EXISTING WALLS AND TO MATCH EXISTING. PLUMBING CONTRACTOR SHALL REMOVE/REPLACE EXISTING CEILING TILES AND GRID AS REQUIRED TO ACCOMPLISH INDICATED PLUMBING WORK, UNLESS SPECIFICALLY INDICATED OTHERWISE.

PLUMBING CONTRACTOR SHALL COORDINATE ALL DEMOLITION AND NEW WORK WITH THE PHASING PLANS. THE PLUMBING CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS AS REQUIRED TO MAINTAIN CONTINUED OPERATION OF THE PLUMBING SYSTEM THROUGH THE PHASES OF WORK AS INDICATED IN THE CONTRACT DOCUMENTS.

PLUMBING PIPING SYMBOLS

- DOMESTIC COLD WATER, COLD WATER
- DOMESTIC HOT WATER, HOT WATER
- DOMESTIC HOW WATER RETURN, HOT WATER RETURN

CUTTING, PATCHING AND PAINTING

WHERE REMOVAL OF DEAD LEGS REQUIRES ARCHITECTURAL DEMOLITION OF EXISTING WALLS, CEILINGS, OR PARTITIONS THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR CUTTING, PATCHING, AND PAINTING TO RESTORE AREA BACK TO IT'S ORIGINAL CONDITION. SEE DEAD LEG MASTER SCHEDULE FOR AREAS REQUIRING CUTTING, PATCHING AND PAINTING.

GENERAL PLUMBING SYMBOLS

- DIRECTION OF PIPE PITCH (DOWN)
- DIRECTION OF FLOW
- ANCHOR
- REDUCER OR INCREASER
- ECCENTRIC REDUCER
- TOP CONNECTION, 45° OR 90°
- BOTTOM CONNECTION, 45° OR 90°
- SIDE CONNECTION
- CAPPED OUTLET
- RISE OR DROP IN PIPE
- UNION
- PIPE UP
- PIPE DOWN
- POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
- LIMIT OF DEMOLITION
- INVERTED BUCKET TRAP SET INCLUDING PIPING ACCESSORIES
- FLOAT & THERMOSTATIC TRAP SET INCLUDING PIPING ACCESSORIES
- STRAINER
- THERMOMETER
- PRESSURE GAGE
- FE — FLOW ELEMENT
- CLEAN OUT
- HOSE BIB

PLUMBING VALVE SYMBOLS

- GATE VALVE
- GLOBE VALVE
- GATE VALVE WITH 3/4 " HOSE ADAPTER
- CHECK VALVE
- ANGLE GLOBE VALVE
- BUTTERFLY VALVE
- BALL VALVE
- MODULATING CONTROL VALVE
- TWO POSITION CONTROL VALVE
- THREE-WAY MODULATING CONTROL VALVE
- THREE-WAY TWO POSITION CONTROL VALVE
- PRESSURE REGULATING VALVE
- AUTOMATIC FLOW CONTROL VALVE
- PRESSURE RELIEF VALVE
- MANUAL AIR VENT
- TEST PLUG (PRESSURE/TEMPERATURE)
- AV — AUTOMATIC AIR VENT

PLUMBING ABBREVIATIONS

A/E	ARCHITECT / ENGINEER
AD	AREA DRAIN/ACCESS DOOR
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AG	AIR GAP
AP	ACCESS PANEL
AS	AUTOMATIC SPRINKLER
ASD	ADJUSTABLE SPEED DRIVES
ASD	AUTOMATIC SPRINKLER DRAIN
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION, AIR CONDITIONING ENGINEERS
ASME	AMERICAN SOCIETY OF ECHANICAL ENGINEERS
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS
ASR	AUTOMATIC SPRINKLER RISER
AV	ACID VENT
AW	ACID WASTE
BFP	REDUCED PRESSURE BACKFLOW PREVENTER
BHP	BREAK HORSEPOWER
BSP	BLACK STEEL PIPE
BT	BATHTUB
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
C	CELSIUS
CA	COMPRESSED AIR
CGA	COMPRESSED GAS ASSOCIATION
CFM	CUBIC FEET PER MINUTE
CI	CAST IRON
CO	CLEANOUT
CS	CLINICAL SINK
CV	CONTROL VALVE
DCW	DOMESTIC COLD WATER
DFU	DRAINAGE FIXTURE UNITS
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RETURN
DHWS	DOMESTIC HOT WATER SUPPLY
DI	DEIONIZED WATER
DN	DOWN
DOE	DEPARTMENT OF ENERGY
DS	DOWNSPOUT
DW	DISHWASHER
DWG	DRAWING
DWH	DOMESTIC WATER HEATER
DWR	DRINKING WATER RETURN
DWS	DRINKING WATER SUPPLY
DWV	DRAIN WASTE VENT
EL	ELEVATION
EMCS	ENERGY MONOSERRAT AND CENTRAL SYSTEM
EPA	ENVIROMENTAL PROTECTION AGENCY
EPACT	ENERGY POLICY ACT
ESC	ESCUTCHEON
ESH	EMERGENCY SHOWER
ET	EXPANSION TANK
EWH	ELECTRIC WATER HEATER
EWS	EYE WASH STATION
EWS/SH	EYE WASH/DRENCH SHOWER
EX	EXISTING
F	FAHRENHEIT
FCO	FLOOR CLEANOUT
FCW	FILTERED COLD WATER
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT (HOSE) CONNECTION
FM	FLOW METER
FOP	FUEL OIL PUMP
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VENT
FS	FLOOR SINK
FS	FLOW SWITCH
FU	FIXTURE UNITS

PLUMBING ABBREVIATIONS

GAL	GALLON
GCO	GRADE CLEANOUTS
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GPR	GAS PRESSURE REGULATOR
GRS	GAS REGULATOR STATION
GT	GREASE TRAP
GVTR	GAS VENT THROUGH ROOF
GWH	GAS FIRED WATER HEATER
H&CW	HOT AND COLD WATER
HB	HOSE BIBB
HD	HUB DRAIN
HEX	HEAT EXCHANGER
HP	HORSEPOWER
HS	HAND SINK
HST	HOT WATER STORAGE TANK (DOMESTIC)
HWB	HOT WATER BOILER
HWCP	HOT WATER CIRCULATING PUMP
HWP	HOT WATER PUMP
HYD	HYDRANT
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
ICW	INDUSTRIAL COLD WATER
IHW	INDUSTRIAL HOT WATER
INV	INVERT
IPC	INTERNATIONAL PLUMBING CODE
IRW	IRRIGATION WATER
IW	INDIRECT WASTE
IWH	INSTANTANEOUS WATER HEATER
IWR	INDUSTRIAL WATER RETURN
IWS	INDUSTRIAL WATER SUPPLY
KW	KILOWATT
KWH	KILOWATT-HOUR
L/S	LITER PER SECOND
LA	LABORATORY AIR
LAV	LAVATORY
LBS/HR	POUNDS PER HOUR
LCW	LABORATORY COLD WATER
LHW	LABORATORY HOT WATER
LNG	LIQUID NATURAL GAS
LOX	LIQUID OXYGEN
LV	LABORATORY VACUUM
LW	LOW WATER
M	METER
MA	MEDICAL AIR
MAV	MANUAL AIR VENT
MBH	1000 BTUH
MED	MEDICAL
MER	MECHANICAL EQUIPMENT ROOM
MH	MANHOLE
MOU	MEMORANDUM OF UNDERSTADING
MSB	MOP SERVICE BASIN
MV	MEDICAL VACUUM
N2	NITROGEN
N2O	NITROUS OXIDE
NC	NORMALLY CLOSED
NG	NATURAL GAS
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NOM.	NOMINAL
NPW	NON POTABLE WATER
NTS	NOT TO SCALE
O2	OXYGEN
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFD	OVERFLOW DRAIN
OR	OPERATING ROOM
OVFL	OVERFLOW

PLUMBING ABBREVIATIONS

IPC	INTERNATIONAL PLUMBING CODE
PA	PASCAL
PD	PRESSURE DROP OR DIFFERENCE
PDI	PLUMBING AND DRAINAGE INSTITUTE
PG	PRESSURE GAGE
PP	PLUMBING PUMP
PPM	PARTS PER MILLION
PRS	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH ATMOSPHERE
PSIG	POUNDS PER SQUARE INCH GAGE
PTRV	PRESSURE TEMPERATURE RELIEF VALVE
PW	POTABLE WATER
RD	ROOF DRAIN
RDL	ROOF DRAIN LEADER
RL	ROOF LEADER
RP	RECIRCULATION PUMP
RO	REVERSE OSMOSIS WATER
RWL	RAIN WATER LEADER
SAN	SANITARY SEWER
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
SCFM	STANDARD CUBIC FOOT/MINUTE
SCW	SOFTENED COLD WATER
SDMH	STORM DRAIN MANHOLE
SMH	SANITARY MANHOLE
SP	SUMP PUMP
SPR	SPRINKLER LINE
SQFT/SF	SQUARE FEET
SS	STAINLESS STEEL
ST	STORAGE TANK
SW	STORM WATER
TCV	TEMPERATURE CONTROL VALVE
TD	TEMPERATURE DIFFERENCE
TD	TRENCH DRAIN
TDH	TOTAL DYNAMIC HEAD
TEMP	TEMPERATURE
TMV	THERMOSTATIC MIXING VALVE
TP	TRAP PRIMER
TSTAT	THERMOSTAT
TWR	TEMPERED WATER RETURN
TWS	TEMPERED WATER SUPPLY
TYP	TYPICAL
V	VENT
VAC	VACUUM
VB	VACUUM BREAKER
VCO	VACUUM CLEANER OUTLET
VP	VACUUM PUMP
VS	VENT STACK
VSD	VARIABLE SPEED DRIVE
VTR	VENT THROUGH ROOF
W	WASTE
WC	WATER CLOSET
WCO	WALL CLEANOUT
WG	WATER GAGE
WH	WALL HYDRANT
WH	WATER HEATER
WHA	WATER HAMMER ARRESTER
WL	WATER LINE
WM	WATER METER
WPD	WATER PRESSURE DROP
WS	WASTE STACK
WSFU	WATER SUPPLY FIXTURE UNITS
YCO	YARD CLEANOUT
YH	YARD HYDRANT

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Drawing Title: GENERAL PLUMBING SYMBOLS ABBREVIATIONS SCHEDULES AND NOTES

Facility Project Name

Project Title: PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

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Date: 01/27/2015

Project No. 595-14-177

DRAWING NO. DRAWING LB-GP-01

DWG. 3 OF 58

Veterans Affairs

VAMC Lebanon Dead Leg Schedule

Building Number	Floor Number	Room Number	Dead Leg Number	Use (Hot Water, Hot water return, or cold water)	Dead Leg Location in Room (Based on Project North)	Is Dead Leg Accessible Without Architectural Demolition of Surface (Y/N)	Piping Material	Length of Dead Leg Pipe	Dead Leg Type (see types above)	Date of Inspection	Drawing number to be referenced	Head room (see legend this sheet)	Length of hot water piping not insulated
1	Basement	1	1	DCW	NORTH WALL	Y	Copper	4'	A	7/2/2014	LB-01-B1DL	1C	None
1	Basement	1	2	DHW	NEAR WATER MAIN	Y	Copper	3'	A	7/2/2014	LB-01-B1DL	1C	2'-6"
1	Basement	1	3	DHW	ABOVE HOT WATER PUMPS	Y	Copper	5'-6"	A	7/2/2014	LB-01-B1DL	1C	6"
1	Basement	2	1	DHWR	EAST WALL	Y	Copper	25'	A	7/3/2014	LB-01-B1DL	1A	1 1/2"
1	Basement	2	2	DCW	SOUTHWEST/CENTER	Y	Copper	6'	A	7/7/2014	LB-01-B1DL	1A	None
1	Basement	2	3	DHWR	SOUTH	Y	Copper	4'	A	7/7/2014	LB-01-B1DL	1A	None
1	Basement	2	4	DCW	SOUTH WING	Y	Copper	19'	A	7/7/2014	LB-01-B1DL	1A	1"
1	Basement	2	4	DHW	SOUTH WING	Y	Copper	19'	A	7/7/2014	LB-01-B2DL	1A	1"
1	Basement	2	5	DCW	SOUTH WING	Y	Copper	3'	A	7/7/2014	LB-01-B2DL	1A	None
1	Basement	2	5	DHW	SOUTH WING	Y	Copper	3'	A	7/7/2014	LB-01-B2DL	1A	None
1	Basement	2	5	DHWR	SOUTH WING	Y	Copper	4'	A	7/7/2014	LB-01-B2DL	1A	None
1	Basement	2	6	DHW	SOUTH	Y	Copper	3'	A	7/8/2014	LB-01-B2DL	1A	All
1	Basement	2	7	DCW	SOUTH	Y	Copper	3'-6"	A	7/8/2014	LB-01-B2DL	1A	None
1	Basement	2	8	DHW	SOUTH	Y	Copper	3'-6"	A	7/8/2014	LB-01-B2DL	1A	All
1	Basement	2	8	DHWR	SOUTH	Y	Copper	4'	A	7/8/2014	LB-01-B2DL	1A	1'
1	Basement	2	9	DCW	SOUTH	Y	Copper	3'	A	7/8/2014	LB-01-B2DL	1A	None
1	Basement	2	9	DHW	SOUTH	Y	Copper	5'	A	7/8/2014	LB-01-B2DL	1A	All
1	Basement	2	9	DHWR	SOUTH	Y	Copper	3'	A	7/8/2014	LB-01-B2DL	1A	None
1	Basement	2	10	DCW	SOUTH	Y	Copper	43'	A	7/8/2014	LB-01-B2DL	1A	None
1	Basement	2	10	DHW	SOUTH	Y	Copper	43'	A	7/8/2014	LB-01-B2DL	1A	None
1	Basement	2	11	DHWR	SOUTH	Y	Copper	77'	A	7/8/2014	LB-01-B2DL	1A	None
1	Basement	2	12	DCW	SOUTH	Y	Copper	5'	A	7/8/2014	LB-01-B2DL	1A	None
1	Basement	2	13	DCW	SOUTHEAST NEAR ELEVATOR	Y	Copper	16'	A	7/8/2014	LB-01-B1DL	1A	None
1	Basement	2	13	DHW	SOUTHEAST NEAR ELEVATOR	Y	Copper	16'	A	7/8/2014	LB-01-B1DL	1A	None
1	Basement	2	14	DCW	NORTHEAST/CENTER	Y	Copper	4'	A	7/8/2014	LB-01-B1DL	1A	2'
1	Basement	2	15	DCW	NORTH	Y	Copper	12'-6"	A	7/8/2014	LB-01-B1DL	1A	None
1	Basement	2	16	DHWR	NORTH	Y	Copper	3'-6"	A	7/8/2014	LB-01-B1DL	1A	None
1	Basement	2	17	DCW	NORTH	Y	Black Pipe	18'	A	7/8/2014	LB-01-B1DL	1A	None
1	Basement	2	18	DCW	NORTH	Y	Copper	8'	A	7/9/2014	LB-01-B1DL	1A	None
1	Basement	2	18	DHW	NORTH	Y	Copper	8'	A	7/9/2014	LB-01-B1DL	1A	None
1	Basement	2	18	DHWR	NORTH	Y	Copper	9'-6"	A	7/9/2014	LB-01-B1DL	1A	None
1	Basement	2	19	DCW	NORTH	Y	Copper	6'	A	7/9/2014	LB-01-B1DL	1A	None
1	Basement	2	19	DHW	NORTH	Y	Copper	6'	A	7/9/2014	LB-01-B1DL	1A	None
1	Basement	2	19	DHWR	NORTH	Y	Copper	6'	A	7/9/2014	LB-01-B1DL	1A	3'
1	Basement	2	20	DCW	NORTH	Y	Copper	3'-5"	A	7/9/2014	LB-01-B1DL	1A	3"
1	Basement	2	21	DCW	NORTH	Y	Copper	3'	A	7/9/2014	LB-01-B1DL	1A	3'
1	Basement	2	21	DHW	NORTH	Y	Copper	3'	A	7/9/2014	LB-01-B1DL	1A	None
1	Basement	2	21	DHWR	NORTH	Y	Copper	3'	A	7/9/2014	LB-01-B1DL	1A	1'
1	Basement	2	22	DCW	NORTH	Y	Copper	6'	A	7/9/2014	LB-01-B1DL	1A	2'
1	Basement	2	22	DHWR	NORTH	Y	Copper	3'	A	7/9/2014	LB-01-B1DL	1A	2'
1	Basement	2	23	DCW	NORTH	Y	Copper	5'-6"	A	7/9/2014	LB-01-B1DL	1A	5'-6"
1	Basement	2	24	DCW	NORTH	Y	Galv.	9'	A	7/9/2014	LB-01-B1DL	1A	9'
1	Basement	2	25	DCW	NORTH	Y	Copper	3'-4"	A	7/9/2014	LB-01-B1DL	1A	3'-6"
1	Basement	2	26	DCW	NORTH	Y	Copper	5'	A	7/9/2014	LB-01-B1DL	1A	5'
1	Basement	2	27	DCW	SOUTH	Y	Copper	22'	A	7/10/2014	LB-01-B2DL	1A	1'
1	Basement	2	28	DHW	SOUTH	Y	Copper	22'	A	7/10/2014	LB-01-B2DL	1A	1'
1	Basement	2	29	DCW	SOUTH	Y	Copper	12'	A	7/10/2014	LB-01-B2DL	1A	None
1	Basement	2	29	DHW	SOUTH	Y	Copper	12'	A	7/10/2014	LB-01-B2DL	1A	None
1	Ground	14	1	DCW	SOUTH OF ENTRANCE	N	Copper	16'	A	7/10/2014	LB-01-G1DL	1C	15'
1	Ground	41	1	DCW	SOUTHEAST, ABOVE WATER CLOSET	N	Copper	5'	A	7/15/2014	LB-01-G2DL	1C	None
1	Ground	41	1	DHW	SOUTHEAST ABOVE WATER CLOSET	N	Copper	5'	A	7/15/2014	LB-01-G2DL	1C	None
1	Ground	51	1	DCW	SOUTHEAST/ CENTER	N	Copper	42'	A	7/15/2014	LB-01-G1DL	1C	All
1	Ground	55	1	DHW	NORTHEAST OF ENTRANCE	Y	Copper	25'	A	7/10/2014	LB-01-G1DL	1C	All
1	First	132	1	DCW	EAST OF PIPE CHASE	N	Copper	16'	A	7/17/2014	LB-01-12DL	1C	None
1	First	132	1	DHW	EAST OF PIPE CHASE	N	Copper	16'	A	7/17/2014	LB-01-12DL	1C	None
1	First	113A	1	DCW	BATHROOM GROUP	Y	Copper	12'	B	8/19/2014	LB-01-11DL	1C	None
1	First	113A	1	DHW	BATHROOM GROUP	Y	Copper	12'	B	8/19/2014	LB-01-11DL	1C	None
1	First	149A	1	DCW	NORTH EXTERIOR WALL	N	Galv.	12'	A	7/17/2014	LB-01-12DL	1C	Less than 6"
1	First	149A	1	DHW	NORTH EXTERIOR WALL	N	Copper	12'	A	7/17/2014	LB-01-12DL	1C	Less than 6"
1	First	149A	1	DHWR	NORTH EXTERIOR WALL	N	Copper	12'	A	7/17/2014	LB-01-12DL	1C	Less than 6"
1	Second	251	1	DCW	EAST WALL	Y	Copper	20'	B	8/19/2014	LB-02-21DL	1C	None
1	Second	251	1	DHW	EAST WALL	Y	Copper	20'	B	8/19/2014	LB-02-21DL	1C	None
1	Third	326	1	DHW	NORTH OF ENTRANCE	N	Copper	3'	A	7/16/2014	LB-01-31DL	1C	None
1	Fourth	407	1	DCW	WEST WALL	N	Copper	12'	A	7/16/2014	LB-01-41DL	1C	None
1	Fourth	407	1	DHW	WEST WALL	N	Copper	12'	A	7/16/2014	LB-01-41DL	1C	None
1	Fourth	407	1	DHWR	WEST WALL	N	Copper	12'	A	7/16/2014	LB-01-41DL	1C	None
1	Fourth	426	1	DCW	CLG/CENTER	Y	Copper	25'	B	8/19/2014	LB-01-41DL	1C	None
1	Fourth	426	1	DHW	CLG/CENTER	Y	Copper	25'	B	8/19/2014	LB-01-41DL	1C	None
1	Fifth	566	1	DCW	SOUTH	N	Copper	5'	A	7/16/2014	LB-01-52DL	1C	None
1	Fifth	566	1	DHW	SOUTH	N	Copper	5'	A	7/16/2014	LB-01-52DL	1C	None
1	Fifth	567	1	DCW	WEST OF ENTRANCE	N	Copper	5'	A	7/17/2014	LB-01-52DL	1C	None
1	Fifth	567	1	DHW	WEST OF ENTRANCE	N	Copper	5'	A	7/17/2014	LB-01-52DL	1C	None
1	Fifth	573	1	DCW	NORTH WALL FROM ENTRANCE	N	Copper	5'	A	7/17/2014	LB-01-52DL	1C	None
1	Fifth	573	1	DHW	NORTH WALL FROM ENTRANCE	N	Copper	5'	A	7/17/2014	LB-01-52DL	1C	None
1	Fifth	574	1	DCW	EAST OF ENTRANCE	N	Copper	5'	A	7/17/2014	LB-01-52DL	1C	None
1	Fifth	574	1	DHW	EAST OF ENTRANCE	N	Copper	5'	A	7/17/2014	LB-01-52DL	1C	None
1	Fifth	575	1	DCW	SOUTH/CENTER	Y	Copper	16'	B	8/19/2014	LB-01-52DL	1C	None
1	Fifth	575	1	DHW	SOUTH/CENTER	Y	Copper	16'	B	8/19/2014	LB-01-52DL	1C	None
1	Fifth	576	1	DCW	WEST OF ENTRANCE	N	Copper	5'	A	7/17/2014	LB-01-52DL	1C	None
1	Fifth	576	1	DHW	WEST OF ENTRANCE	N	Copper	5'	A	7/17/2014	LB-01-52DL	1C	None
1	Fifth	577	1	DCW	NORTH OF ENTRANCE	N	Copper	5'	A	7/16/2014	LB-01-52DL	1C	None
1	Fifth	577	1	DHW	NORTH OF ENTRANCE	N	Copper	5'	A	7/16/2014	LB-01-52DL	1C	None
1	Fifth	578	1	DCW	NORTH OF ENTRANCE	N	Copper	5'	A	7/16/2014	LB-01-52DL	1C	None

VAMC Lebanon Dead Leg Schedule

Building Number	Floor Number	Room Number	Dead Leg Number	Use (Hot Water, Hot water return, or cold water)	Dead Leg Location in Room (Based on Project North)	Is Dead Leg Accessible Without Architectural Demolition of Surface (Y/N)	Piping Material	Length of Dead Leg Pipe	Dead Leg Type (see types above)	Date of Inspection	Drawing number to be referenced	Head room (see legend this sheet)	Length of hot water piping not insulated
1	Fifth	578	1	DHW	NORTH OF ENTRANCE	N	Copper	5'	A	7/16/2014	LB-01-52DL	1C	None
1	Fifth	580	1	DCW	SOUTH WALL	N	Copper	5'	A	7/16/2014	LB-01-52DL	1C	None
1	Fifth	580	1	DHW	SOUTH WALL	N	Copper	5'	A	7/16/2014	LB-01-52DL	1C	None
1	Fifth	581	1	DCW	SOUTH	Y	Copper	10'	B	8/19/2014	LB-01-52DL	1C	None
1	Fifth	581	1	DHW	SOUTH	Y	Copper	10'	B	8/19/2014	LB-01-52DL	1C	None
1	Fifth	582	1	DCW	WEST	N	Copper	5'	A	7/16/2014	LB-01-52DL	1C	None
1	Fifth	582	1	DHW	WEST	N	Copper	5'	A	7/16/2014	LB-01-52DL	1C	None
1	Fifth	584	1	DCW	NORTH	N	Copper	5'	A	7/16/2014	LB-01-52DL	1C	None
1	Fifth	584	1	DHW	SOUTH	N	Copper	5'	A	7/16/2014	LB-01-52DL	1C	None
1	Fifth	585	1	DCW	WEST	N	Copper	5'	A	7/16/2014	LB-01-52DL	1C	None
1	Fifth	585	1	DHW	WEST	N	Copper	5'	A	7/16/2014	LB-01-52DL	1C	None
1	Sixth	603	1	DCW	EAST WALL	N	Copper	3'	A	7/17/2014	LB-01-61DL	1C	None
1	Sixth	603	1	DHW	EAST WALL	N	Copper	3'	A	7/17/2014	LB-01-61DL	1C	None
1	Sixth	613	1	DCW	CENTER FLOOR	N	Copper	3'	A	7/17/2014	LB-01-61DL	1C	None
1	Sixth	613	1	DHW	CENTER FLOOR	N	Copper	3'	A	7/17/2014	LB-01-61DL	1C	None
1	Sixth	613	1	DHWR	CENTER FLOOR	N	Copper	3'	A	7/17/2014	LB-01-61DL	1C	None
1	Sixth	617	1	DCW	SOUTH WALL	Y	Copper	50'	A	7/17/2014	LB-01-61DL	1C	None
1	Sixth	618	1	DCW	CENTER ROOM BY STAIRWELL	Y	Copper	10'	A	7/17/2014	LB-01-61DL	1C	None
3	Basement	1	1	DCW	WEST WALL	Y	Copper	6'	A	5/27/2014	LB-03-0BDL	1C	3'
3	Basement	1	1	DHW	WEST WALL	Y	Copper	6'	A	5/27/2014	LB-03-0BDL	1C	3
3	Basement	1	1	DHWR	WEST WALL	Y	Copper	6'	A	5/27/2014	LB-03-0BDL	1C	3'
3	Basement	2	1	DCW	SOUTH WALL	Y	Copper	25'	A	5/27/2014	LB-03-0BDL	1C	3'
3	Basement	2	1	DHW	SOUTH WALL	Y	Copper	25'	A	5/27/2014	LB-03-0BDL	1C	3'
3	Basement	2	1	DHWR	SOUTH WALL	Y	Copper	25'	A	5/27/2014	LB-03-0BDL	1C	3'
3	Basement	7	1	DCW	CENTER OF ROOM	N	Copper	6'	A	5/27/2014	LB-03-0BDL	1C	None
3	Basement	7	1	DHW	CENTER OF ROOM	N	Copper	6'	A	5/27/2014	LB-03-0BDL	1C	None
3	Basement	7	1	DHWR	CENTER OF ROOM	N	Copper	6'	A	5/27/2014	LB-03-0BDL	1C	None
3	Basement	7	2	DCW	NORTH WALL	N	Copper	10'	A	5/25/2014	LB-03-0BDL	1C	None
3	Basement	7	2	DHW	NORTH WALL	N	Copper	10'	A	5/26/2014	LB-03-0BDL	1C	None
3	Basement	7	2	DHWR	NORTH WALL	N	Copper	10'	A	5/27/2014	LB-03-0BDL	1C	None
3	Basement	007A	1	DCW	WEST WALL	Y	Copper	26'	A	5/27/2014	LB-03-0BDL	1C	None
3	Basement	007A	1	DHW	WEST WALL	Y	Copper	26'	A	5/27/2014	LB-03-0BDL	1C	None
3	Basement	007A	1	DHWR	WEST WALL	Y	Copper	26'	A	5/27/2014	LB-03-0BDL	1C	None
3	First	110A	1	DCW	SOUTH CLG.	N	Copper	6'	A	5/28/2014	LB-03-01DL	1C	None
3	First	110A	2	DCW	EAST CLG.	N	Copper	6'	A	5/29/2014	LB-03-01DL	1C	None
3	First	110A	2	DHW	EAST CLG.	N	Copper	6'	A	5/27/2014	LB-03-01DL	1C	None
3	Second	212	1	DCW	WEST WALL	N	Copper	3'	B	5/27/2014	LB-03-02DL	1C	None
3	Second	212	1	DHW	WEST WALL	N	Copper	3'	B	5/27/2014	LB-03-02DL	1C	None
17	Basement	1	1	DCW	WEST WALL	N	Copper	5'	A	6/12/2014	LB-17-0BDL	1A	None
17	Basement	1	2	DCW	NORTH WALL	N	Copper	5'	A	6/12/2014	LB-17-0BDL	1A	None
17	Basement	1	3	DCW	NORTH WALL	N	Copper	4'	A	6/12/2014	LB-17-0BDL	1A	None
17	Basement	1	4	DCW	NORTHEAST WALL	N	Copper	4'	A	6/12/2014	LB-17-0BDL	1A	None
17	Basement	1	4	DHW	NORTHEAST WALL	N	Copper	4'	A	6/12/2014	LB-17-0BDL	1A	None
17	Basement	1	5	DCW	NORTHEAST WALL	N	Copper	8'	A	6/12/2014	LB-17-0BDL	1A	None
17	Basement	1	6	DCW	NORTHCENTER	N	Copper	3'-6"	A	6/12/2014	LB-17-0BDL	1A	None
17	Basement	1	7	DCW	NORTHEAST	N	Copper	11'-4"	A	6/12/2014	LB-17-0BDL	1A	None
17	Basement	1	8	DCW	NORTHEAST	N	Copper	6'	A	6/13/2014	LB-17-0BDL	1A	None
17	Basement	1	9	DCW	NORTHWEST	N	Copper	3'	A	6/13/2014	LB-17-0BDL	1A	None
17	Basement	1	10	DCW	NORTHWEST	Y	Copper	3'	A	7/18/2014	LB-17-0BDL	1A	None
17	Basement	1	11	DCW	NORTHWEST	Y	Copper	3'	A	7/18/2014	LB-17-0BDL	1A	None
17	Basement	1	12	DHW	SOUTHWEST	Y	Copper	22'	A	7/18/2014	LB-17-0BDL	1A	None
17	Basement	1	13	DCW	SOUTHWEST	Y	Copper	8'	A	7/18/2014	LB-17-0BDL	1A	None
17	Basement	1	14	DHW	SOUTH	Y	Copper	3'	A	7/18/2014	LB-17-0BDL	1A	None
17	Basement	1	15	DHW	SOUTH	Y	Copper	7'	A	7/18/2014	LB-17-0BDL	1A	None
17	Basement	1	16	DHW	SOUTHWEST	Y	Copper	5'	A	7/18/2014	LB-17-0BDL	1A	None
17	Basement	1	16	DHWR	SOUTH	Y	Copper	6'	A	7/18/2014	LB-17-0BDL	1A	All
17	Basement	1	17	DHW	SOUTHWEST	Y	Copper	4'	A	7/18/2014	LB-17-0BDL	1A	All
17	Basement	1	18	DCW	SOUTH	Y	Copper	25'	A	7/18/2014	LB-17-0BDL	1A	None
17	Basement	1	19	DHW	SOUTHEAST	Y	Copper	12'	A	7/18/2014	LB-17-0BDL	1A	None
17	Basement	1	20	DCW	SOUTHEAST	Y	Copper	4'	A	7/18/2014	LB-17-0BDL	1A	Less than 1'
17	Basement	1	20	DHW	SOUTHEAST	Y	Copper	23'	A	7/18/2014	LB-17-0BDL	1A	Less than 1'
17	Basement	1	20	DHWR	SOUTHEAST	Y	Copper	15'	A	7/18/2014	LB-17-0BDL	1A	Less than 1'
17	Basement	MECH	1	DCW	NORTHEAST	N	Copper	7'	A	6/23/2014	LB-17-0BDL	1C	All
17	Second	203	1	DCW	NORTH/CLG.	Y	Galv.	4'	A	6/25/2014	LB-17-02DL	1C	None
17	Second	203	1	DHW	NORTH/CLG.	Y	Galv.	4'	A	6/25/2014	LB-17-02DL	1C	None
17	Second	217	1	DHW	NORTH/CLG.	N	Copper	8'	A	6/25/2014	LB-17-02DL	1C	None
17	Second	217	1	DCW	NORTH/CLG.	N	Copper	10'	A	6/25/2014	LB-17-02DL	1C	None
17	Second	220	1	DCW	SOUTH/CLG.	Y	Galv.	3'	A	6/25/2014	LB-17-02DL	1C	None
17	Second	220	1	DHW	SOUTH/CLG.	Y	Copper	3'	A	6/25/2014	LB-17-02DL	1C	None
17	Second	267	1	DCW	NORTHEAST/CLG.	Y	Galv.	4'	A	6/25/2014	LB-17-02DL	1C	None
17	Second	267	1	DHW	NORTHEAST/CLG.	Y	Copper	4'	A	6/25/2014	LB-17-02DL	1C	None
17	Third	308	1	DCW	NORTH	N	Copper	12'	A	6/30/2014	LB-17-03DL	1C	None
17	Third	308	1	DHW	NORTH	N	Copper	12'	A	6/30/2014	LB-17-03DL	1C	None
17	Third	316	1	DCW	EAST	N	Copper	4'	A	6/30/2014	LB-17-03DL	1C	None
17	Third	316	2	DCW	EAST	N	Copper	4'	A	6/30/2014	LB-17-03DL	1C	None
17	Third	318	1	DCW	WEST	N	Copper	4'	A	6/30/2014	LB-17-03DL	1C	None
17	Third	318	2	DCW	WEST	N	Copper	4'	A	6/30/2014	LB-17-03DL	1C	1'
17	Third	322	1	DCW	SOUTH/ IN PIPE CHASE	N	Copper	13'	A	6/30/2014	LB-17-03DL	1C	None
17	Third	372	1	DCW	EAST WALL	N	Copper	3'	A	6/30/2014	LB-17-03DL	1C	None
17	Third	398	1	DCW	NORTH	N	Copper	14'	A	6/30/2014	LB-17-03DL	1C	None
17	Third	398	1	DHW	NORTH	N	Copper	14'	A	6/30/2014	LB-17-03DL	1C	None
17	Third	398	1	DHWR	NORTH	N	Copper	14'	A	6/30/2014	LB-17-03DL	1C	None
17	Fourth	409	1	DCW	EAST	N	Galv.	4'	A	7/1/2014	LB-17-04DL	1C	None
17	Fourth	409	1	DHW	EAST	N	Copper	4'	A	7/1/2014	LB-17-04DL	1C	None

DEAD LEG LEGEND
TYPE A–PIPE LENGTH GREATER THAN 3 FEET TERMINATING AT A CAP VALVE, OR FITTING
TYPE B–PIPE LENGTH GREATER THAN THREE FEET TERMINATING AT AN INFREQUENTLY USED PLUMBING FIXTURE.
TYPE C– PIPE LENGTH GREATER THAN 25 FEET TERMINATING AT A FREQUENTLY USED PLUMBING FIXTURE.

HEAD ROOM
TYPE 1A–LESS THAN 3'–0"
TYPE 1B–3'–0" TO 5'–0"
TYPE 1C– OVER 5'–0"

Revisions | Date

Project Lead

NORTHEAST INFRASTRUCTURE, LLC
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Professional Seal
COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL DALE ENGLEHART ENGINEER No. PE045114E

Drawing Title: PLUMBING DEAD LEG MASTER SCHEDULE

Facility Project Name

Project Title: PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

Building Number: 1,3,4,5,17,18,19,22, 24,100,101, & 102

Checked: D.L.E.

Drawn: D.J.P.

Location: LEBANON, PENNSYLVANIA

Date: 01/27/2015

Project No.: 595–14–177

DRAWING NO. DRAWING LB–PL–01

DWG. 4 OF 58

Veterans Affairs

VAMC Lebanon Dead Leg Schedule

Building Number	Floor Number	Room Number	Dead Leg Number	Use (Hot Water, Hot water return, or cold water)	Dead Leg Location in Room (Based on Project North)	Is Dead Leg Accessible Without Architectural Demolition of Surface (Y/N)	Piping Material	Length of Dead Leg Pipe	Dead Leg Type (see types above)	Date of Inspection	Drawing number to be referenced	Head room (see legend this sheet)	Length of hot water piping not insulated
17	Fourth	413	1	DCW	WEST	N	Copper	10'	A	7/1/2014	LB-17-04DL	1C	None
17	Fourth	424	1	DCW	SOUTH	N	Copper	18'	A	7/1/2014	LB-17-04DL	1C	4'
17	Fourth	424	1	DHW	SOUTH	N	Copper	18'	A	7/1/2014	LB-17-04DL	1C	4'
17	Fourth	436	1	DCW	SOUTHWEST	N	Galv.	3'-6"	A	7/1/2014	LB-17-04DL	1C	None
17	Fourth	442	1	DCW	SOUTH	N	Copper	12'	A	7/1/2014	LB-17-04DL	1C	None
17	Fourth	463	1	DCW	SOUTHEAST	N	Galv.	10'	A	7/1/2014	LB-17-04DL	1C	None
17	Fourth	463	1	DHW	SOUTHEAST	N	Copper	10'	A	7/1/2014	LB-17-04DL	1C	1'
17	Fourth	463	1	DHWR	SOUTHEAST	N	Copper	10'	A	7/1/2014	LB-17-04DL	1C	1'
17	Fourth	481	1	DCW	NORTHWEST	N	Copper	3'	A	7/1/2014	LB-17-04DL	1C	6"
17	Fourth	481	1	DHW	NORTHWEST	N	Copper	3'	A	7/1/2014	LB-17-04DL	1C	3'
17	Fifth	578	1	DCW	SOUTHEAST	N	Galv.	10'	A	7/1/2014	LB-17-05DL	1C	None
17	Attic	1	1	DCW	SOUTHWEST	Y	Copper	66'-6"	A	7/2/2014	LB-17-0ADL	1C	None
18	Lower Basement	1	1	DCW	SOUTH	Y	Copper	5'	A	7/31/2014	LB-18-0LBDL	1C	None
18	Lower Basement	2	1	DCW	NORTHEAST	Y	Copper	13'	A	7/31/2014	LB-18-0LBDL	1A	None
18	Basement	3	1	DCW	NORTHEAST	N	Copper	3'	A	7/31/2014	LB-18-0BDL	1C	None
18	Basement	3	1	DHW	NORTHEAST	N	Copper	3'	A	7/31/2014	LB-18-0BDL	1C	None
18	Basement	40	1	DCW	NORTHEAST	N	Copper	3'	A	7/31/2014	LB-18-0BDL	1C	None
18	Basement	40	1	DHW	NORTHEAST	N	Copper	3'	A	7/31/2014	LB-18-0BDL	1C	All
18	Basement	40	2	DCW	NORTHEAST	N	Copper	3'	A	7/31/2014	LB-18-0BDL	1C	None
18	Basement	40	2	DHW	NORTHEAST	N	Copper	3'	A	7/31/2014	LB-18-0BDL	1C	None
18	Basement	53	1	DCW	SOUTH	N	Copper	10'	A	7/30/2014	LB-18-0BDL	1A	None
18	Basement	53	1	DHW	SOUTH	N	Copper	4'-6"	A	7/30/2014	LB-18-0BDL	1A	None
18	Basement	53	2	DCW	SOUTH, EXTERIOR WALL	N	Copper	4'-6"	A	7/30/2014	LB-18-0BDL	1A	None
18	Basement	53	3	DHW	SOUTH, EXTERIOR WALL	N	Copper	8'	A	7/30/2014	LB-18-0BDL	1A	None
18	First	128	1	DCW	EAST	N	Copper	11'	A	8/4/2014	LB-18-01DL	1C	16"
18	First	150	1	DCW	NORTH	N	Copper	5'	A	8/4/2014	LB-18-01DL	1C	90"
18	First	150	1	DHW	NORTH	N	Copper	5'	A	8/4/2014	LB-18-01DL	1C	None
18	Second	227	1	DCW	EAST	N	Copper	5'	B	8/4/2014	LB-18-02DL	1C	All
18	Second	227	1	DHW	EAST	N	Copper	5'	B	8/4/2014	LB-18-02DL	1C	All
18	Second	237	1	DHW	NORTH	N	Copper	4'	A	8/4/2014	LB-18-02DL	1C	None
18	Second	228C	1	DCW	SOUTH	Y	Copper	25'	B	8/19/2014	LB-18-02DL	1C	None
18	Second	228C	1	DHW	SOUTH	Y	Copper	25'	B	8/19/2014	LB-18-02DL	1C	None
18	Third	311	1	DCW	NORTH	N	Copper	5'	B	8/5/2014	LB-18-03DL	1C	None
18	Third	311	1	DHW	NORTH	N	Copper	5'	B	8/5/2014	LB-18-03DL	1C	None
18	Third	326	1	DCW	SOUTH	N	Copper	64'	A	8/5/2014	LB-18-03DL	1C	None
18	Third	314A	1	DCW	WEST	N	Copper	10'	B	8/5/2014	LB-18-03DL	1C	None
18	Third	314A	1	DHW	WEST	N	Copper	10'	B	8/5/2014	LB-18-03DL	1C	None
18	Third	316A	1	DCW	NORTH	N	Copper	20'	B	8/5/2014	LB-18-03DL	1C	None
18	Third	316A	1	DHW	NORTH	N	Copper	20'	B	8/5/2014	LB-18-03DL	1C	None
18	Third	316A	2	DCW	NORTH	N	Copper	20'	B	8/5/2014	LB-18-03DL	1C	None
18	Third	316A	2	DHW	NORTH	N	Copper	20'	B	8/5/2014	LB-18-03DL	1C	None
18	Third	316A	3	DCW	NORTH	N	Copper	20'	B	8/5/2014	LB-18-03DL	1C	None
18	Third	316A	3	DHW	NORTH	N	Copper	20'	B	8/5/2014	LB-18-03DL	1C	None
18	Third	316A	4	DCW	NORTH	N	Copper	20'	B	8/5/2014	LB-18-03DL	1C	None
18	Third	316A	4	DHW	NORTH	N	Copper	20'	B	8/5/2014	LB-18-03DL	1C	None
18	Third	341A	1	DCW	WEST	Y	Copper	10'	B	8/19/2014	LB-18-03DL	1C	None
18	Third	341A	1	DHW	WEST	Y	Copper	10'	B	8/19/2014	LB-18-03DL	1C	None
18	Third	350A	1	DCW	SOUTH	Y	Copper	10'	B	8/19/2014	LB-18-03DL	1C	None
18	Third	350A	1	DHW	SOUTH	Y	Copper	10'	B	8/19/2014	LB-18-03DL	1C	None
18	Fourth	430	1	DHW	NORTH	N	Copper	5'	A	8/6/2014	LB-18-04DL	1C	None
18	Fourth	430	2	DCW	NORTH	N	Copper	5'	A	8/6/2014	LB-18-04DL	1C	None
18	Fourth	432	1	DCW	NORTH	N	Copper	10'	A	8/6/2014	LB-18-04DL	1C	None
18	Fourth	433	1	DCW	NORTH	N	Copper	10'	A	8/6/2014	LB-18-04DL	1C	None
18	Fourth	433	1	DHW	NORTH	N	Copper	10'	A	8/6/2014	LB-18-04DL	1C	None
18	Fourth	447	1	DCW	NORTH	N	Copper	10'	A	8/6/2014	LB-18-04DL	1C	None
18	Fourth	416A	1	DCW	NORTH	N	Copper	20'	B	8/5/2014	LB-18-04DL	1C	None
18	Fourth	416A	1	DHW	NORTH	N	Copper	20'	B	8/5/2014	LB-18-04DL	1C	None
18	Fourth	416A	2	DCW	NORTH	N	Copper	20'	B	8/5/2014	LB-18-04DL	1C	None
18	Fourth	416A	2	DHW	NORTH	N	Copper	20'	B	8/5/2014	LB-18-04DL	1C	None
18	Fourth	416A	3	DCW	NORTH	N	Copper	20'	B	8/5/2014	LB-18-04DL	1C	None
18	Fourth	416A	3	DHW	NORTH	N	Copper	20'	B	8/5/2014	LB-18-04DL	1C	None
18	Fourth	416A	4	DCW	NORTH	N	Copper	20'	B	8/5/2014	LB-18-04DL	1C	None
18	Fourth	416A	4	DHW	NORTH	N	Copper	20'	B	8/5/2014	LB-18-04DL	1C	None
18	Fourth	434A	1	DCW	SOUTH	N	Copper	20'	B	8/6/2014	LB-18-04DL	1C	None
18	Fourth	434A	1	DHW	SOUTH	N	Copper	20'	B	8/6/2014	LB-18-04DL	1C	None
18	Fourth	434A	2	DCW	SOUTH	N	Copper	20'	B	8/6/2014	LB-18-04DL	1C	None
18	Fourth	434A	2	DHW	SOUTH	N	Copper	20'	B	8/6/2014	LB-18-04DL	1C	None
18	Fourth	434A	3	DCW	SOUTH	N	Copper	20'	B	8/6/2014	LB-18-04DL	1C	None
18	Fourth	434A	3	DHW	SOUTH	N	Copper	20'	B	8/6/2014	LB-18-04DL	1C	None
18	Fourth	450A	1	DCW	SOUTH	N	Copper	5'	B	8/6/2014	LB-18-04DL	1C	None
18	Fourth	450A	1	DHW	SOUTH	N	Copper	5'	B	8/6/2014	LB-18-04DL	1C	None
18	Fifth	543	1	DCW	NORTH	N	Copper	5'	A	8/6/2014	LB-18-05DL	1C	None
18	Fifth	543	1	DHW	NORTH	N	Copper	5'	A	8/6/2014	LB-18-05DL	1C	None
18	Fifth	544	1	DCW	WEST	Y	Copper	10'	B	8/19/2014	LB-18-05DL	1C	None
18	Fifth	544	1	DHW	WEST	Y	Copper	10'	B	8/19/2014	LB-18-05DL	1C	None
18	Fifth	516A	1	DCW	NORTH	N	Copper	20'	B	8/6/2014	LB-18-05DL	1C	None
18	Fifth	516A	1	DHW	NORTH	N	Copper	20'	B	8/6/2014	LB-18-05DL	1C	None
18	Fifth	516A	2	DCW	NORTH	N	Copper	20'	B	8/6/2014	LB-18-05DL	1C	None
18	Fifth	516A	2	DHW	NORTH	N	Copper	20'	B	8/6/2014	LB-18-05DL	1C	None
18	Fifth	516A	3	DCW	NORTH	N	Copper	20'	B	8/6/2014	LB-18-05DL	1C	None
18	Fifth	516A	3	DHW	NORTH	N	Copper	20'	B	8/6/2014	LB-18-05DL	1C	None
18	Fifth	516A	4	DCW	NORTH	N	Copper	20'	B	8/6/2014	LB-18-05DL	1C	None
18	Fifth	516A	4	DHW	NORTH	N	Copper	20'	B	8/6/2014	LB-18-05DL	1C	None

VAMC Lebanon Dead Leg Schedule

Building Number	Floor Number	Room Number	Dead Leg Number	Use (Hot Water, Hot water return, or cold water)	Dead Leg Location in Room (Based on Project North)	Is Dead Leg Accessible Without Architectural Demolition of Surface (Y/N)	Piping Material	Length of Dead Leg Pipe	Dead Leg Type (see types above)	Date of Inspection	Drawing number to be referenced	Head room (see legend this sheet)	Length of hot water piping not insulated
19	Basement	1	1	DCW	SOUTH	Y	Galv.	11'	A	5/30/2014	LB-19-0BDL	1A	None
19	Basement	1	2	DHW	SOUTH	Y	Copper	56'	A	5/30/2014	LB-19-0BDL	1A	None
19	Basement	1	2	DHWR	SOUTH	Y	Copper	56'	A	5/30/2014	LB-19-0BDL	1A	None
19	Basement	1	3	DHW	SOUTH	Y	Copper	9'	A	5/30/2014	LB-19-0BDL	1A	None
19	Basement	1	4	DCW	SOUTH	Y	Copper	9'	A	5/30/2014	LB-19-0BDL	1A	None
19	Basement	1	5	DHW	NORTH	Y	Copper	12'	A	6/2/2014	LB-19-0BDL	1A	None
19	Basement	1	5	DCW	NORTH	Y	Copper	12'	A	6/2/2014	LB-19-0BDL	1A	None
19	Basement	1	6	DHW	NORTH	Y	Copper	21'	A	6/2/2014	LB-19-0BDL	1A	None
19	Basement	1	6	DCW	NORTH	Y	Copper	21'	A	6/2/2014	LB-19-0BDL	1A	None
19	Basement	1	6	DHWR	NORTH	Y	Copper	21'	A	6/2/2014	LB-19-0BDL	1A	None
19	Basement	4	1	DCW	CENTER	Y	Copper	4'	A	5/29/2014	LB-19-0BDL	1B	None
19	Basement	4	2	DCW	CENTER	Y	Copper	20'	A	5/29/2014	LB-19-0BDL	1B	None
19	Basement	4	3	DHW	CENTER	Y	Copper	5'	A	5/29/2014	LB-19-0BDL	1B	None
19	Second	204	1	DCW	EAST	Y	Copper	5'	A	6/3/2014	LB-19-02DL	1C	All
19	Second	204	1	DHW	EAST	Y	Copper	3'	A	6/3/2014	LB-19-02DL	1C	All
19	Second	219	1	DCW	EAST	Y	Copper	8'	A	6/3/2014	LB-19-02DL	1C	None
19	Second	229	1	DCW	HAND SINK	N	Copper	10'	B	6/4/2014	LB-19-02DL	1C	3'
19	Second	229	1	DHW	HAND SINK	N	Copper	10'	B	6/4/2014	LB-19-02DL	1C	3'
19	Second	247	1	DCW	NORTH	Y	Galv.	3'	A	6/3/2014	LB-19-02DL	1C	1'
19	Second	247	1	DHW	NORTH	Y	Copper	3'	A	6/3/2014	LB-19-02DL	1C	1'
19	Second	256	1	DCW	SOUTH	Y	Galv.	15'	A	6/3/2014	LB-19-02DL	1C	All
19	Second	256	1	DHW	SOUTH	Y	Galv.	15'	A	6/3/2014	LB-19-02DL	1C	All
19	Second	229B	1	DCW	MOP SINK	N	Copper	10'	B	6/4/2014	LB-19-02DL	1C	All
19	Second	229B	1	DHW	MOP SINK	N	Copper	10'	B	6/4/2014	LB-19-02DL	1C	None
19	Second	257A	1	DCW	SOUTH	Y	Copper	13'-6"	A	6/3/2014	LB-19-02DL	1C	None
19	Second	257A	1	DHW	SOUTH	Y	Copper	11'-6"	A	6/3/2014	LB-19-02DL	1C	None
19	Second	257A	1	DHWR	SOUTH	Y	Copper	1'-6"	A	6/3/2014	LB-19-02DL	1C	None
19	Third	315	1	DCW	SOUTHWEST CHASE	Y	Copper	35'	A	6/4/2014	LB-19-03DL	1C	All
19	Third	315	2	DCW	SOUTHWEST CHASE	Y	Copper	17'	A	6/4/2014	LB-19-03DL	1C	All
19	Third	328	1	DCW	NORTHEAST	Y	Copper	30'	B	8/19/2014	LB-19-03DL	1C	None
19	Third	328	1	DHW	NORTHEAST	Y	Copper	30'	B	8/19/2014	LB-19-03DL	1C	None
19	Third	339	1	DCW	CHASE	Y	Copper	3'	A	6/4/2014	LB-19-03DL	1C	None
19	Third	339	2	DCW	CHASE	Y	Copper	4'	A	6/4/2014	LB-19-03DL	1C	None
19	Third	339	2	DHW	CHASE	Y	Copper	4'	A	6/4/2014	LB-19-03DL	1C	None
19	Third	329A	1	DHW	SOUTHEAST WALL	N	Copper	10'	A	6/4/2014	LB-19-03DL	1C	None
19	Third	329A	1	DCW	SOUTHEAST WALL	N	Copper	10'	A	6/4/2014	LB-19-03DL	1C	None
19	Third	346A	1	DCW	EAST WALL CABINET	N	Copper	50'	A	6/4/2014	LB-19-03DL	1C	None
19	Third	346A	1	DHW	EAST WALL CABINET	N	Copper	50'	A	6/4/2014	LB-19-03DL	1C	None
19	Third	346A	2	DCW	EAST WALL CABINET	N	Copper	50'	A	6/4/2014	LB-19-03DL	1C	None
19	Third	346A	2	DHW	EAST WALL CABINET	N	Copper	50'	A	6/4/2014	LB-19-03DL	1C	None
22	Basement	1	1	DHWR	SOUTHEAST	Y	Galv.	7'-6"	A	6/5/2014	LB-22-0BDL	1A	1'
22	Basement	1	2	DHWR	SOUTHWEST	Y	Galv.	8'	A	6/5/2014	LB-22-0BDL	1A	1'
22	Basement	1	3	DCW	NORTHWEST	Y	Galv.	4'	A	6/5/2014	LB-22-0BDL	1A	None
22	Basement	1	4	DHW	RIGHT SIDE /CENTER	Y	Galv.	10'	A	6/5/2014	LB-22-0BDL	1A	6'
22	Basement	1	5	DHWR	RIGHT SIDE /CENTER	Y	Galv.	10'	A	6/5/2014	LB-22-0BDL	1A	6'
22	First	104	1	DCW	NORTHEAST CHASE	Y	Copper	30'	A	6/9/2014	LB-22-01DL	1C	None
22	First	104	1	DHW	NORTHEAST CHASE	Y	Copper	30'	A	6/9/2014	LB-22-01DL	1C	None
22	First	104	1	DHWR	NORTHEAST CHASE	Y	Copper	30'	A	6/9/2014	LB-22-01DL	1C	None
22	Second	217	1	DCW	EAST WALL	Y	Copper	25'	C	6/9/2014	LB-22-02DL	1C	None
22	Second	217	1	DHW	EAST WALL	Y	Copper	25'	C	6/9/2014	LB-22-02DL	1C	None
22	Third	318	1	DCW	WEST WALL	Y	Copper	25'	C	6/9/2014	LB-22-03DL	1C	None
22	Third	318	1	DHW	WEST WALL	Y	Copper	25'	C	6/9/2014	LB-22-03DL	1C	None
22	Third	326	1	DHW	SOUTH CHASE	Y	Copper	56'	B	6/9/2014	LB-22-03DL	1C	None
22	Third	326	1	DCW	SOUTH CHASE	Y	Copper	56'	B	6/9/2014	LB-22-03DL	1C	None
23	Basement	1	1	DCW	SOUTH WING/CRAWL SPACE	Y	Copper	5'	A	6/10/2014	LB-23-0BDL	1A	None
23	Basement	1	2	DCW	NORTH WING/CRAWL SPACE	Y	Copper	5'	A	6/10/2014	LB-23-0BDL	1A	None
23	Basement	1	3	DCW	WEST WING/CRAWL SPACE	Y	Copper	15'	A	6/10/2014	LB-23-0BDL	1A	None
23	First	111	1	DCW	NORTHEAST WALL	N	Copper	8'	A	6/11/2014	LB-23-01DL	1C	8'
23	First	111	1	DHW	NORTHEAST WALL	N	Copper	8'	A	6/11/2014	LB-23-01DL	1C	8'
23	First	122	1	DCW	SOUTHWEST WALL	N	Copper	5'	A	6/11/2014	LB-23-01DL	1C	None
23	First	122	1	DHW	SOUTHWEST WALL	N	Copper	5'	A	6/11/2014	LB-23-01DL	1C	None
23	First	113B	1	DCW	SOUTHWEST WALL	Y	Copper	20'	B	8/19/2014	LB-23-01DL	1C	None
23	First	113B	1	DHW	SOUTHWEST WALL	Y	Copper	20'	B	8/19/2014	LB-23-01DL	1C	None
24	Basement	1	1	DCW	GYM CRAWL SPACE	Y	Copper	5'	A	6/10/2014	LB-24-01DL	1A	None
102	First	100	1	DHW	NORTHEAST WALL	N	Copper	5'	A	7/10/2014	LB-102-01DL	1C	All
102	First	111	1	DCW	NORTHWEST CORNER	Y	Copper	15'	B	8/19/2014	LB-102-01DL	1C	None
102	First	111	1	DHW	NORTHWEST CORNER	Y	Copper	15'	B	8/19/2014	LB-102-01DL	1C	None
102	First	115	1	DCW	WEST WALL	Y	Copper	25'	B	8/19/2014	LB-102-01DL	1C	None
102	First	115	1	DHW	WEST WALL	Y	Copper	25'	B	8/19/2014	LB-102-01DL	1C	None
102	First	117	1	DCW	SOUTHWEST CORNER	Y	Copper	8'	B	8/19/2014	LB-102-01DL	1C	None
102	First	117	1	DHW	SOUTHWEST CORNER	Y	Copper	8'	B	8/19/2014	LB-102-01DL	1C	None
102	First	110B	1	DCW	NORTHWEST CORNER	Y	Copper	16'	B	8/19/2014	LB-102-01DL	1C	None
102	First	110B	1	DHW	NORTHWEST CORNER	Y	Copper	16'	B	8/19/2014	LB-102-01DL	1C	None
102	First	G006	1	DCW	RIGHT OF ENTRANCE	N	Black Pipe	6'	A	7/10/2014	LB-102-01DL	1C	All
102	First	G006	1	DHW	RIGHT OF ENTRANCE	N	Black Pipe	6'	A	7/10/2014	LB-102-01DL	1C	All

DEAD LEG LEGEND
TYPE A–PIPE LENGTH GREATER THAN 3 FEET TERMINATING AT A CAP VALVE, OR FITTING
TYPE B–PIPE LENGTH GREATER THAN THREE FEET TERMINATING AT AN INFREQUENTLY USED PLUMBING FIXTURE.
TYPE C– PIPE LENGTH GREATER THAN 25 FEET TERMINATING AT A FREQUENTLY USED PLUMBING FIXTURE.

HEAD ROOM
TYPE 1A–LESS THAN 3'–0"
TYPE 1B–3'–0" TO 5'–0"
TYPE 1C– OVER 5'–0"

Revisions	Date

Project Lead

NEI

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Professional Seal

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL DALE ENGLEHART ENGINEER No. PE059748

Drawing Title: PLUMBING DEAD LEG MASTER SCHEDULE

Facility Project Name:

Project Title: PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

Building Number: 1,3,4,5,17,18,19,22, 24,100,101, & 102

Checked: D.L.E.

Drawn: D.J.P.

Location: LEBANON, PENNSYLVANIA

Date: 01/27/2015

Project No. 595–14–177

DRAWING NO. DRAWING LB–PL–02

DWG. 5 OF 58

Veterans Affairs

IDENTIFY THE PATIENT GROUP WILL BE AFFECTED. IF MORE THAN ONE RISK GROUP WILL BE AFFECTED, SELECT THE HIGHER GROUP. FOR ALL CONSTRUCTION CLASSES, PATIENTS MUST BE REMOVED FROM THE WORK AREA WHILE WORK IS BEING PERFORMED

LOW RISK	MEDIUM RISK		HIGH RISK		HIGHEST RISK	
• OFFICE AREAS	• CARDIOLOGY • ECHOCARDIOGRAPHY • ENDOSCOPY • NUCLEAR MEDICINE	• PHYSICAL THERAPY • RADIOLOGY/MRI • RESPIRATORY THERAPY	• CCU • EMERGENCY ROOM • LABOR & DELIVERY • LABORATORIES (SPECIMENS • NEWBORN SURGERY	• OUTPATIENT SURGERY • PEDIATRICS • PHARMACY • POST ANESTHESIA CARE • SURGICAL UNITS	• IMMUNOCOMPROMISED PATIENT CARE AREAS • BURN UNIT • CARDIAC CATH LAB • CENTRAL STERILE SUPPLY • ICU • MEDICAL UNIT	• NEGATIVE PRESSURE ISOLATION ROOMS • ONCOLOGY • OPERATION ROOMS INCLUDING 'C' SECTION ROOMS

INFECTION CONTROL RISK ASSESSMENT MATRIX OF PRECAUTIONS FOR CONSTRUCTION AND RENOVATION

STEP ONE
USING THE FOLLOWING TABLE, IDENTIFY THE TYPE OF CONSTRUCTION PROJECT ACTIVITY (TYPE A–D)

TYPE A	INSPECTION AND NON–INVASIZE ACTIVITIES, INCLUDING, BUT NOT LIMITED TO A. REMOVAL OF CEILING TILES FOR VISUAL INSPECTION (1 TILE PER 50 SQUARE FEET). B. PAINTING (BUT NOT SANDING). C. WALL COVERING, ELECTRICAL TRIM WORK MINOR PLUMBING, AND ACTIVITIES DO NOT GENERATE DUST OF REQUIRE CUTTING OF WALLS OR ACCESS TO CEILINGS OTHER THAN VISUAL INSPECTION.
TYPE B	SMALL SCALE, SHORT DURATION ACTIVITIES WHICH CREATE MINIMAL DUST, INCLUDING BUT NOT LIMITED TO: A. INSTALLATION OF TELEPHONE AND COMPUTER CABLING. B. ACCESS TO CHASE SPACES. C. CUTTING OF WALLS OR CEILING WHERE DUST MIGRATION CAN BE CONTROLLED.
TYPE C	WORK THAT GENERATES A MODERATE TO HIGH LEVEL OF DUST OR REQUIRES DEMOLITION OR REMOVAL OF ANY FIXED BUILDING COMPONENT OR ASSEMBLIES, INCLUDING BUT NOT LIMITED TO: A. SANDING OF WALLS FOR PAINTING OR WALL COVERINGS. B. REMOVAL OF FLOOR COVERINGS, CEILING TILES, AND CASEWORK. C. NEW WALL CONSTRUCTION. D. MINOR PLUMBING WORK WORK ABOVE CEILINGS. E. MAJOR CABLING ACTIVITIES. F. ANY TYPE A, B, OR C ACTIVITY THAT CANNOT BE COMPLETED WITHIN A SINGLE WORK SHIFT.
TYPE D	MAJOR DEMOLITION AND CONSTRUCTION PROJECTS, INCLUDING BUT NOT LIMITED TO: A. ACTIVITIES REQUIRING HEAVY DEMOLITION OR REMOVAL OF COMPLETE CABLING SYSTEM. B. NEW CONSTRUCTION. C. ACTIVITIES WHICH REQUIRE CONSECUTIVE WORK SHIFTS.

INFECTION CONTROL RISK GROUPS

STEP TWO

USING THE FOLLOWING TABLE, IDENTIFY THE PATIENT RISK GROUPS THAT WILL BE AFFECTED. IF MORE THAN GROUP WILL BE AFFECTED SELECT THE HIGHER GROUP

RISK GROUP, HIGH RISK

– SURGICAL UNITS – LABORATORIES (SPECIMENS)

STEP THREE

DETERMINE THE LEVEL OF INFECTION CONTROL CLASSIFICATION NECESSARY FOR THE WORK BY WATCHING THE CONSTRUCTION ACTIVITY WITH THE DESIGNATED RISK GROUP IN THE MATRIX BELOW. PROVIDE THE ASSOCIATED INFECTION CONTROL PROCEDURES NOTE EACH CONSTRUCTION RENOVATION PROJECT HAS SEVERAL DIFFERENT LEVELS DEPENDING ON THE LOCATION AND TYPE OF ACTIVITY.

SEE DESCRIPTION OF REQUIRED INFECTION CONTROL PRECAUTION BY CLASS CHART FOR CLASS I–IV PRECAUTIONS.

RISK GROUP	RISK GROUP			
	TYPE A	TYPE B	TYPE C	TYPE D
LOW RISK GROUP	CLASS I	CLASS II	CLASS III	CLASS III, IV
MEDIUM RISK GROUP	CLASS I	CLASS II	CLASS III	CLASS IV
HIGH RISK GROUP	CLASS I	CLASS II	CLASS III, IV	CLASS IV
HIGHEST RISK GROUP	CLASS II	CLASS III, IV	CLASS III, IV	CLASS IV

ALL PLUMBING DEAD LEG REMOVAL WILL FALL INTO ONE OF THESE CATEGORIES.

DESCRIPTION OF REQUIRED INFECTION CONTROL PRECAUTIONS BY CLASS

CLASS	DURING CONSTRUCTION PROJECT	UPON COMPLETION OF PROJECT
CLASS I	1. EXECUTE WORK BY METHODS TO MINIMIZE RAISING DUST FROM CONSTRUCTION OPERATIONS. 2. IMMEDIATELY REPLACE CEILING TILE IF DISPLACED.	
CLASS II	1. PROVIDE ACTIVE MEANS TO PREVENT AIRBORNE DUST FROM DISPERSING INTO ATMOSPHERE. 2. WATER MIST WORK SURFACES TO CONTROL DUCT WHILE CUTTING. 3. SEAL UNUSED DOORS WITH DUCT TAPE. 4. BLOCK OFF AND SEAL AIR VENTS. 5. PLACE DUST MAT AT ENTRANCE AND EXIT OF WORK AREAS. 6. REMOVE OR ISOLATE HVAC SYSTEM IN AREAS WHERE WORK IS BEING PREFORMED	1. WIPE WORK SURFACES WITH DISINFECTANT. 2. CONTAIN CONSTRUCTION WASTE BEFORE TRANSPORT IN TIGHTLY COVERED CONTAINERS. 3. WET MOP AND/OR VACUUM WITH HEPA FILTERED VACUUM BEFORE LEAVING WORK AREA. 4. REMOVE ISOLATION OF HVAC SYSTEM IN AREAS WHERE WORK IS BEING PERFORMED.
CLASS III	1. REMOVE OR ISOLATE HVAC SYSTEM IN AREA WHERE WORK IS BEING DONE TO PREVENT CONTAMINATION OF DUCT SYSTEM. 2. COMPLETE ALL CRITICAL BARRIERS I.E. SHEETROCK, PLYWOOD, PLASTIC, TO SEAL AREA FROM NON WORK AREA OR IMPLEMENT CONTROL CUBE METHOD (CART WITH PLASTIC COVERING AND SEALED CONNECTION TO WORK SITE WITH HEPA VACUUM FOR VACUUMING PRIOR TO EXIT) BEFORE CONSTRUCTION BEGINS. 3. MAINTAIN NEGATIVE AIR PRESSURE WITHIN WORK SITE UTILIZING HEPA EQUIPPED AIR FILTRATION UNITS. 4. CONTAIN CONSTRUCTION WASTE BEFORE TRANSPORT IN TIGHTLY COVERED CONTAINERS. 5. COVER TRANSPORT RECEPTACLES OR CARTS. TAPE COVERING UNLESS SOLID LID.	1. DO NOT REMOVE BARRIERS FROM WORK AREA UNTIL COMPLETED PROJECT IS INSPECTED BY HOSPITAL'S ICRA TEAM AND THOROUGHLY CLEANED BY HOSPITAL'S ENVIRONMENTAL SERVICES DEPARTMENT. 2. REMOVE BARRIER MATERIALS CAREFULLY TO MINIMIZE SPREADING OF DIRT AND DEBRIS ASSOCIATED WITH CONSTRUCTION. 3. VACUUM WORK ARE WITH HEPA FILTERED VACUUMS. 4. WET MOP AREA WITH DISINFECTANT. 5. REMOVE ISOLATION OF HVAC SYSTEM IN AREAS WHERE WORK IS BEING PERFORMED.
CLASS IV	1. ISOLATE HVAC SYSTEM IN AREA WHERE WORK IS BEING DONE TO PREVENT CONTAMINATION OF DUCT SYSTEM. 2. COMPLETE ALL CRITICAL BARRIERS I.E. SHEETROCK, PLYWOOD, PLASTIC, TO SEAL AREA FROM NON WORK AREA OR IMPLEMENT CONTROL CUBE METHOD (CART WITH PLASTIC COVERING AND SEALED CONNECTION TO WORK SITE WITH HEPA VACUUM FOR VACUUMING PRIOR TO EXIT) BEFORE CONSTRUCTION BEGINS. 3. MAINTAIN NEGATIVE AIR PRESSURE WITHIN WORK SITE UTILIZING HEPA EQUIPPED AIR FILTRATION UNITS. 4. SEAL HOLES, PIPES, CONDUITS, AND PUNCTURES APPROPRIATELY. 5. CONSTRUCT ANTEROOM AND REQUIRE ALL PERSONNEL TO PASS THROUGH THIS ROOM SO THEY CAN BE VACUUMED USING A HEPA VACUUM CLEANER BEFORE LEAVING WORK SITE AND/OR THEY CAN WEAR CLOTH OR PAPER COVERALLS THAT ARE REMOVED EACH TIME THEY LEAVE THE WORK SITE. 6. ALL PERSONNEL ENTERING THE WORK SITE ARE REQUIRED TO WEAR SHOES COVERS, SHOE COVERS ARE REQUIRED TO BE CHANGED EACH TIME THE WORKER EXITS THE WORK AREA. DO NOT REMOVE BARRIERS FROM WORK AREA UNTIL COMPLETED PROJECT IS INSPECTED BY HOSPITAL'S ICRA SAFETY DEPARTMENT, ICRA TEAM, AND THOROUGHLY CLEANED BY HOSPITAL'S ENVIRONMENTAL SERVICES DEPARTMENT.	1. REMOVE BARRIER MATERIAL CAREFULLY TO MINIMIZE SPREADING OF DIRT AND DEBRIS ASSOCIATED WITH CONSTRUCTION. 2. CONTAIN CONSTRUCTION WASTE BEFORE TRANSPORT IN TIGHTLY COVERED CONTAINERS. 3. VACUUM WORK AREA WITH HEPA FILTERED VACUUMS. 4. WET MOP AREA WITH DISINFECTANT. 5. REMOVE ISOLATION OF HVAC SYSTEM IN AREAS WHERE WORK IS BEING PREFORMED.

ICRA GENERAL REQUIREMENTS

1. CONTRACTOR TO COMPLY WITH ICRA REQUIREMENTS FOR WORK IN HOSPITAL BUILDING THROUGH–OUT DEMOLITION AND CONSTRUCTION.
2. PROVIDE TEMPORARY PLASTIC ZIPPER PARTITIONS FROM FLOOR TO UNDERSIDE OF DECK ABOVE TO SEAL AGAINST THE MIGRATION OF DUST AND DIRT ALONG ALL PATHS OF TRAVEL BETWEEN AREA OF WORK AND ADJACENT OCCUPIED AREAS.
3. PROVIDE PARTITIONS, AS REQUIRED ALONG THE PERIMETER BETWEEN AREA OF WORK AND EXISTING AREA TO REMAIN. PARTITIONS TO BE FROM FLOOR TO UNDERSIDE OF DECK ABOVE AND SEALED ALONG PERIMETER TO PREVENT MIGRATION OF DUST AND DIRT, WHERE TEMPORARILY NOT INSTALLED.
4. MAINTAIN NEGATIVE AIR PRESSURE WITHIN AREA OF WORK FOR DURATION OF DEMOLITION AND CONSTRUCTION ACTIVITIES.
5. BUILDING WILL BE CONTINUOUSLY OCCUPIED DURING CONSTRUCTION DURATION. MAINTAIN ACCESS TO STAIRS EXITS AND FROM EXITS TO EXTERIOR.
6. PROVIDE STICKY WALK OFF MATS ON BOTH SIDES OF ALL DOORS.
7. ICRA PARTITIONS/SET–UP TO BE DONE DURING OFF HOURS.
8. ALL FLOOR OR UNDERSIDE OF DECK HOLES EXPOSED OR CREATED DURING DEMOLITION/CONSTRUCTION WILL BE SEALED IMMEDIATELY.
9. ALL ANTE ROOMS, ALL CLOTHING, TOOLS, AND MATERIALS (POST DEMOLITION PHASE) ARE TO BE HEPA VACUUMED EACH TIME THROUGH THE ANTE ROOM.
10. FULL GOWN AND BOOTIES DURING DEMOLITION PHASE.
11. AS THE PERIMETER FLOOR EDGE IS EXPOSED, ANY OPENING AT THE SLAB EXTERIOR WALL SHALL BE SEALED IMMEDIATELY.
12. PROVIDE SWEEPS AND VERTICAL ASTRAGALS ON ALL ICRA DOORS AND STAIR TOWER DOORS.
13. EXISTING SMOKE DETECTORS WILL BE CONVERTED TO HEAT DETECTORS AND MAINTAINED DURING CONSTRUCTION PERIOD. TEMPORARY FIRE ALARM PULL STATION AND STROBES WILL BE INSTALLED AT EXIT DOORS.
14. MAINTAIN EGRESS TO ALL EXIT STAIR TOWERS AT ALL TIMES.
15. COORDINATE WITH OWNER ANY N.P.E SHUTDOWNS THAT MAY BE REQUIRED.
16. TEMPORARY CONTAINMENT MEASURES INDICATED ARE DIAGRAMMATIC. CONTRACTOR TO PROVIDE ADEQUATE CONTAINMENT TO MEET HOSPITALS INFECTION CONTROL POLICY.

INFECTION CONTROL RISK GROUPS

BUILDING: VAMC

CONTRACTOR: TO BE SELECTED

PROJECT NAME: VAMC LEBANON, PA PLUMBING FIELD STUDY FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER

PROJECT MANAGER: TO BE DETERMINED

THE INFECTION CONTROL RISK ASSESSMENT IS USED TO ANALYZE AREAS WHERE DEAD LEG DEMOLITION IS TO OCCUR FROM EXISTING PLUMBING SYSTEMS.

1. IDENTIFY THE TYPE OF CONSTRUCTION PROJECT ACTIVITY. — SEE ABOVE
2. IDENTIFY THE PATIENT RISK GROUPS THAT WILL BE AFFECTED. — SEE ABOVE

   USE THE AREA WITH THE HIGHEST RISK FOR ASSESSMENT: HIGH RISK.
3. MATCH THE PATIENT GROUP WITH THE PLANNED CONSTRUCTION PROJECT TYPE USING THE "IC MATRIX CLASS OR PRECAUTIONS" TO DETERMINE THE LEVEL OF INFECTION CONTROL ACTIVITIES RECOVERED. — SEE ABOVE

USE THE "DESCRIPTION OF REQUIRED INFECTION CONTROL PRECAUTIONS BY CLASS TO DETERMINE THE ICRA MEASURES TO BE IMPLEMENTED FOR THE DURATION OF CONSTRUCTION:
CLASS I
CLASS II
CLASS III
CLASS IV

SEE ABOVE

EXAMPLE SHEET OF ICRA

1. CONTRACTOR MUST HAVE SIGNED BEFORE INITIATING ANY WORK

Infection Control Risk Assessment (ICRA)

Construction Location:	**Bldg.#/section:**		**Project Start Date:**
Project Title/#:			**Est. Duration:**
COTR/Supervisor:	**Signature:**	**Date:**	
Infection Control	**Signature:**	**Date:**	**Phone #:Ext.**
Contractor/Shop:	**Supervisor:** (print)	(sign)	

yes	CONSTRUCTION ACTIVITY	yes	INFECTION CONTROL RISK GROUP
	TYPE A: Inspections and Non-Invasive Activities. Includes, but is not limited to, removal of ceiling tiles for visual inspection limited to 1 tile per 50 square feet, painting but not sanding wall covering, electrical trim work, minor plumbing, and activities which do not generate dust or require cutting of walls or access to ceilings other than for visual inspection.		**GROUP 1:** • Office areas • Engineering & Environmental Services
		X	**GROUP 2:** • At patient care units(example: Cardiac Rehab. ultrasound) • Outpatient clinics(CBOCs)
	TYPE B: Small scale, short duration activities which create minimal dust. Includes, but is not limited to, installation of telephone and computer cabling, access to chase spaces, cuffing of walls or ceiling where dust migration can be controlled.		**GROUP 3:** • Emergency Dept/ED • Radiology/MRI/CT scanner/Nuclear Medicine • Cafeteria/Kitchen • Laboratories/Central Sterile Supply • Oncology/Cardiology
X	**TYPE C:** Any work that generates a moderate to high level of dust or requires demolition or removal of any fixed building components or assemblies. Includes, but is not limited to, sanding of wall for painting or wallcovering, removal of floorcoverings, ceiling tiles and casework, new wall construction, minor ductwork or electrical work above ceilings, major cabling activities, and any activity which cannot be completed within a single work shift.		**GROUP 4:** • ASU, Sterile Processing • ICU/Cardiac Catheterization • Endoscopy/Pharmacy
	TYPE D: Major demolition and construction projects. Includes, but is not limited to, activities which require consecutive work shifts, require heavy demolition or removal of a complete ceiling system, and new construction.		

DETERMINE CLASS

Risk Level "GROUP"	1	2	3	4
Construction Activity "TYPE"	CLASS			
A	I	I	I	III
B	II	II	III	III / IV
C	II	III	III / IV	III / IV
D	III / IV	IV	IV	IV

CLASS I	1. Execute work to minimize raising of dust from construction operation. 2. Immediately replace any ceiling tile displaced for visual inspection.	3. Minor demolition form remodeling
CLASS II	1. Provides active means to prevent air-borne dust from dispersing into the atmosphere. 2. water mist work surface to control dust while cutting. 3. Seal unused doors with duct tape. 4. Block off and seal duct vents. 5. Wipe surfaces with disinfectant.	6. Contain construction waste before transport in tightly covered containers. 7. Wet mop and/or vacuum with HEPA filtered vacuum before leaving work area. 8. Place dust mat at entrance and exit of work area. 9. Remove or isolation HVAC system in area where work is being performed.
CLASS III	1. Obtain infection control permit before construction begins. 2. Isolate HVAC system in area where work is being done to prevent contamination of the duct system. 3. Complete all critical barriers or implement control cube method before construction begins. 4. Maintain negative air pressure within work site utilizing HEPA equipped air filtration units. 5. Do not remove barriers from work site until complete & project is thoroughly cleaned by EMS.	6. Vacuum work with HEPA filtered vacuum 7. Wet mop with disinfectant. 8. Remove barrier materials carefully to minimize spreading of dirt and debris associated with construction. 9. Contain construction waste before transport in tightly covered containers. 10. Cover transport receptacles or cart and tape covering. 11. Remove or isolate HVAC systems in area where work is being performed.
CLASS IV	1. Obtain infection control permit before construction begins. 2. Isolate HVAC system in area where work is being done to prevent contamination of the duct system. 3. Complete all critical barriers or implement control cube method before construction begins. 4. Maintain negative air pressure within work site utilizing HEPA equipped air filtration units. 5. Seal hole, pipes, conduits and penetrations appropriately. 6. Construct anteroom & require all personnel to pass through this room so they can be vacuumed using a HEPA vacuum cleaner before leaving worksite or they can wear cloth or paper coveralls that are removed each time they leave the work site.	7. All personnel entering work site are required to wear shoe covers. 8. Do not remove barriers from work site until complete & project is thoroughly cleaned by EMS. 9. Vacuum work with HEPA filtered vacuum 10. Wet mop with disinfectant. 11. Remove barrier materials carefully to minimize spreading of dirt and debris associated with construction. 12. Contain construction waste before transport in tightly covered containers. 13. Cover transport receptacles or cart and tape covering. 14. Remove or isolate HVAC systems in area where work is being performed at completion of job.

Additional Requirements:

Permit requested by:	Date:	Permit authorized by:	Date:

MAX I.C.R.A. REQUIREMENTS

BUILDING #	CLASS
1	IV
3	I
4	I
5	I
17	III
18	III
19	I
22	II
23	II
24	II
100	I
102	III
BUILDING 101 HAS NO DEAD LEGS.	

NOTE:

1. AT A MINIMUM NEGATIVE PRESSURE WILL BE REQUIRED IN BLDG. 1–2A.

2. MAXIMUM I.C.R.A REQUIRMENTS FOR BUILDINGS ARE LISTED. FLOORS IN EACH BUILDING LISTED MAY HAVE LESSER CLASS RATINGS. THE CONTRACTOR SHALL SUBMIT AN I.C.R.A. PLAN FOR EACH DEAD LEG REMOVAL TO COR BEFORE START OF ANY WORK.

Revisions	Date

Project Lead

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL DALE ENGLEHART ENGINEER No. PE045146

Drawing Title: ICRA

Facility Project Name:

Project Title: PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

Building Number:

Location: LEBANON, PENNSYLVANIA

Checked: D.L.E.

Drawn: D.J.P.

Date: 01/27/2015

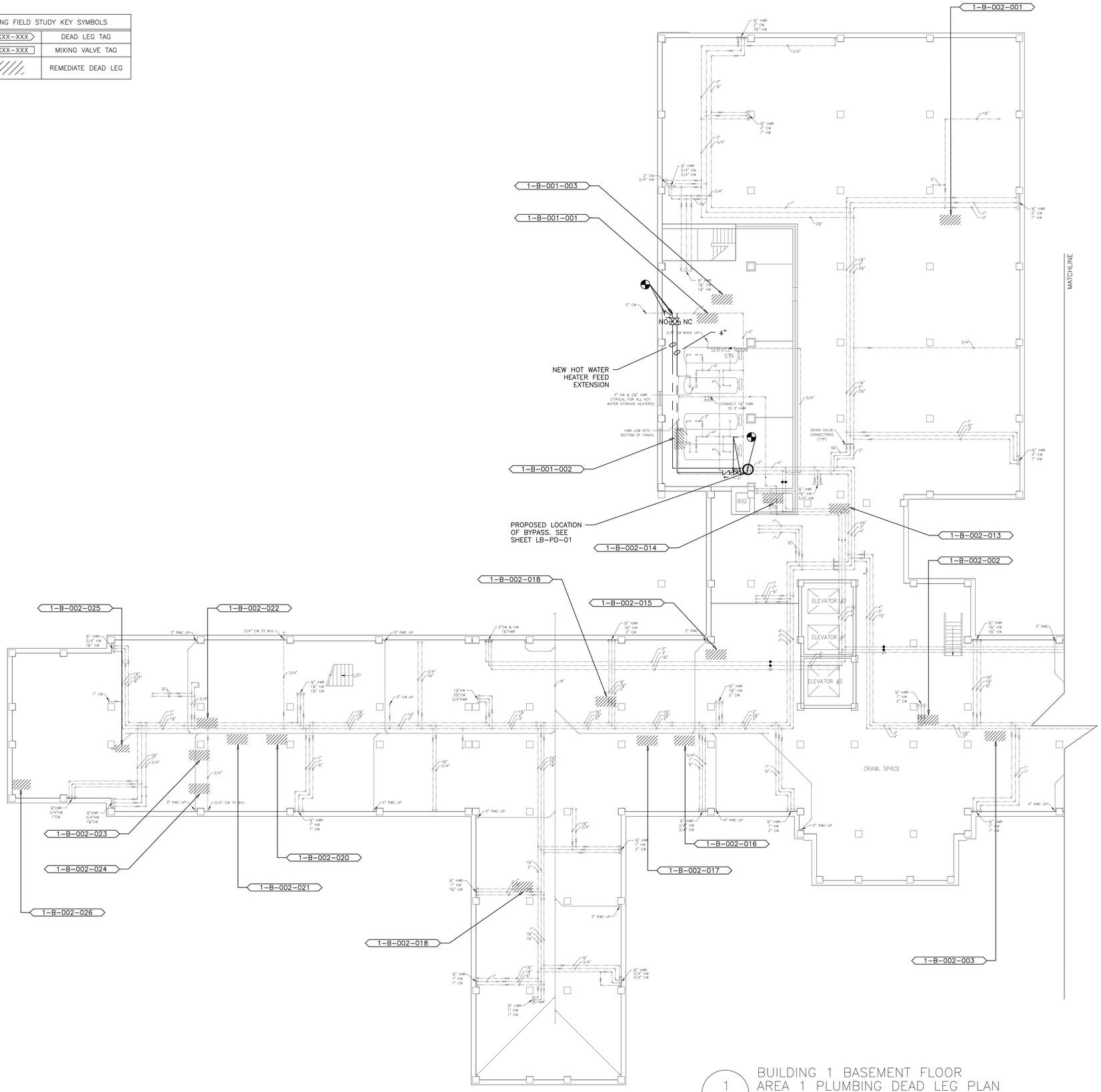
Project No. 595–14–177

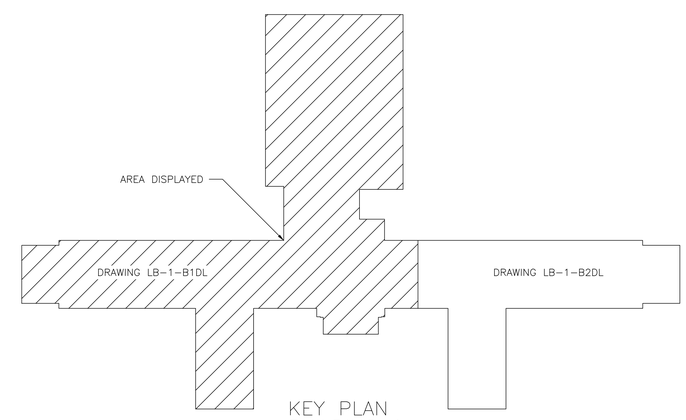
DRAWING NO. DRAWING LB–ICRA–01

DWG. 6 OF 58

Veterans Affairs

PLUMBING FIELD STUDY KEY SYMBOLS	
XXX-XX-XXX-XXX	DEAD LEG TAG
XXX-XX-XXX-XXX	MIXING VALVE TAG
	REMEDIATE DEAD LEG





KEY PLAN
BUILDING 1
SCALE:NOT TO SCALE

1 / LB-1-B1DL

BUILDING 1 BASEMENT FLOOR
AREA 1 PLUMBING DEAD LEG PLAN
SCALE: 1/8"=1'-0"

PROJECT NORTH — N E W S

Revisions	Date

Project Lead

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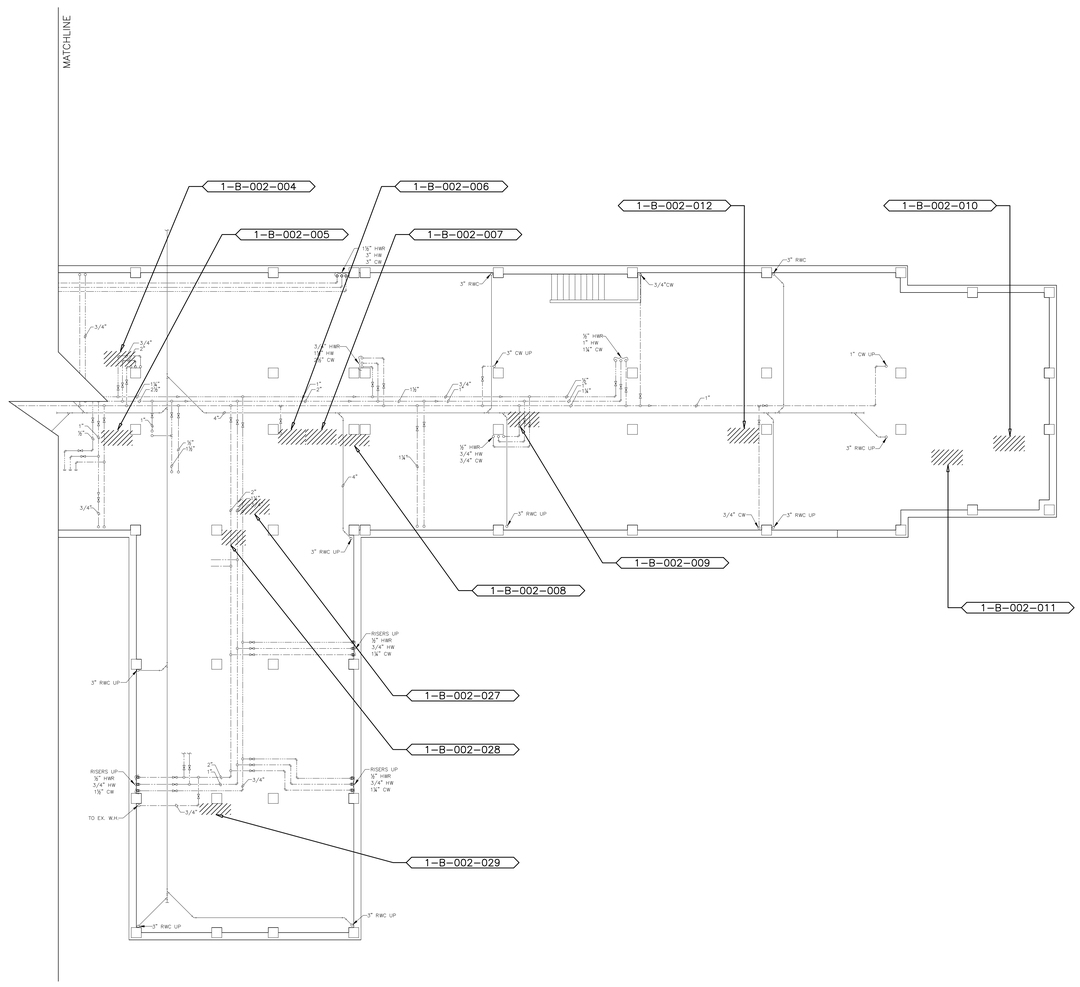
Professional Seal

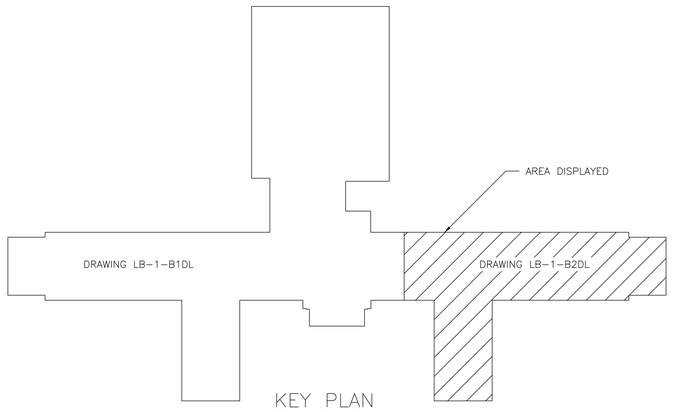
REGISTERED PROFESSIONAL ENGINEER DALE ENGLEHART No. PE048748

Drawing Title	BUILDING 1 BASEMENT FLOOR AREA 1 PLUMBING DEAD LEG PLAN
Facility Project Name	
Project Title	PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)
Building Number	1
Checked	D.L.E.
Drawn	D.J.P.
Location	LEBANON, PENNSYLVANIA
Date	01/27/2015
Project No.	595-14-177
DRAWING NO.	LB-1-B1DL
DWG.	7 OF 58

Veterans Affairs

PLUMBING FIELD STUDY KEY SYMBOLS	
XXX-XX-XXX-XXX	DEAD LEG TAG
XXX-XX-XXX-XXX	MIXING VALVE TAG
	REMEDIATE DEAD LEG





KEY PLAN
BUILDING 1
SCALE:NOT TO SCALE

1
LB-1-B2DL

BUILDING 1 BASEMENT FLOOR
AREA 2 PLUMBING DEAD LEG PLAN
SCALE:1/8"=1'-0"

Revisions	Date

Project Lead

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Professional Seal

REGISTERED PROFESSIONAL ENGINEER DALE ENGLEHART No. PE040716

Drawing Title
BUILDING 1 BASEMENT FLOOR
AREA 2 PLUMBING DEAD LEG PLAN

Facility Project Name

Project Title
PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

Building Number	Checked	Drawn
1	D.L.E.	D.J.P.

Location
LEBANON, PENNSYLVANIA

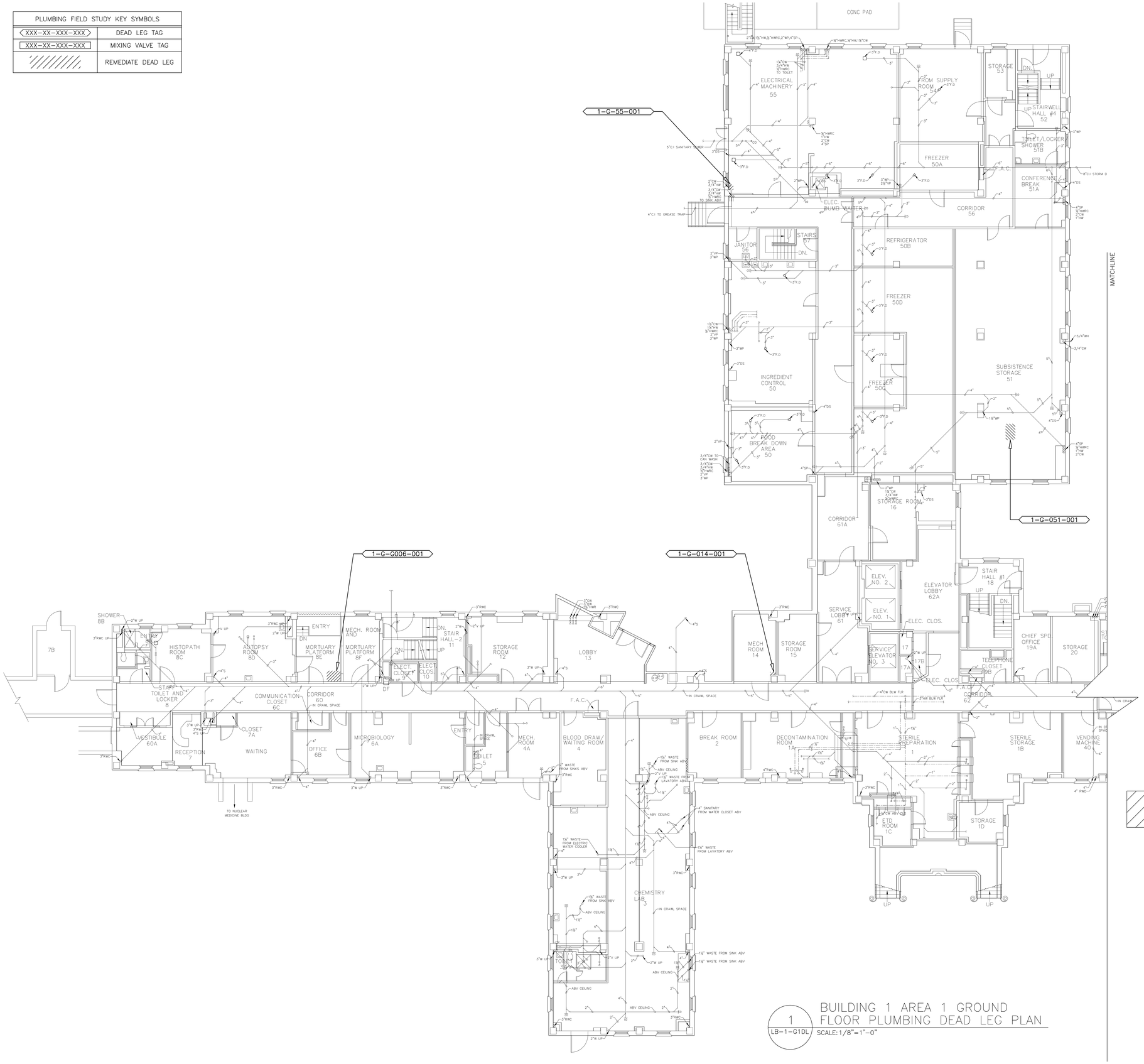
Date
01/27/2015

Project No.
595-14-177

DRAWING NO.
DRAWING
LB-1-B2DL
DWG. 8 OF 58

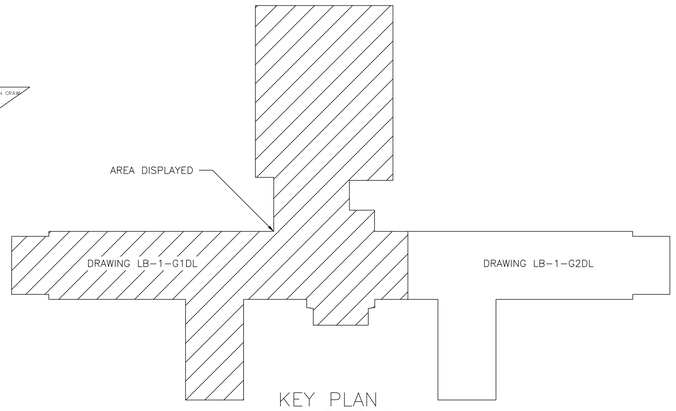
Veterans Affairs

PLUMBING FIELD STUDY KEY SYMBOLS	
XXX-XX-XXX-XXX	DEAD LEG TAG
XXX-XX-XXX-XXX	MIXING VALVE TAG
	REMEDIATE DEAD LEG



1 LB-1-G1DL BUILDING 1 AREA 1 GROUND FLOOR PLUMBING DEAD LEG PLAN

SCALE: 1/8"=1'-0"



KEY PLAN
BUILDING 1

SCALE: NOT TO SCALE

PROJECT NORTH

Revisions	Date

Project Lead

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Professional Seal

REGISTERED PROFESSIONAL ENGINEER DALE ENGLEHART PA. PENNSYLVANIA

Drawing Title: BUILDING 1 AREA 1 GROUND FLOOR PLUMBING DEAD LEG PLAN

Facility Project Name:

Project Title: PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

Building Number: 1

Checked: D.L.E.

Drawn: D.J.P.

Location: LEBANON, PENNSYLVANIA

Date: 01/27/2015

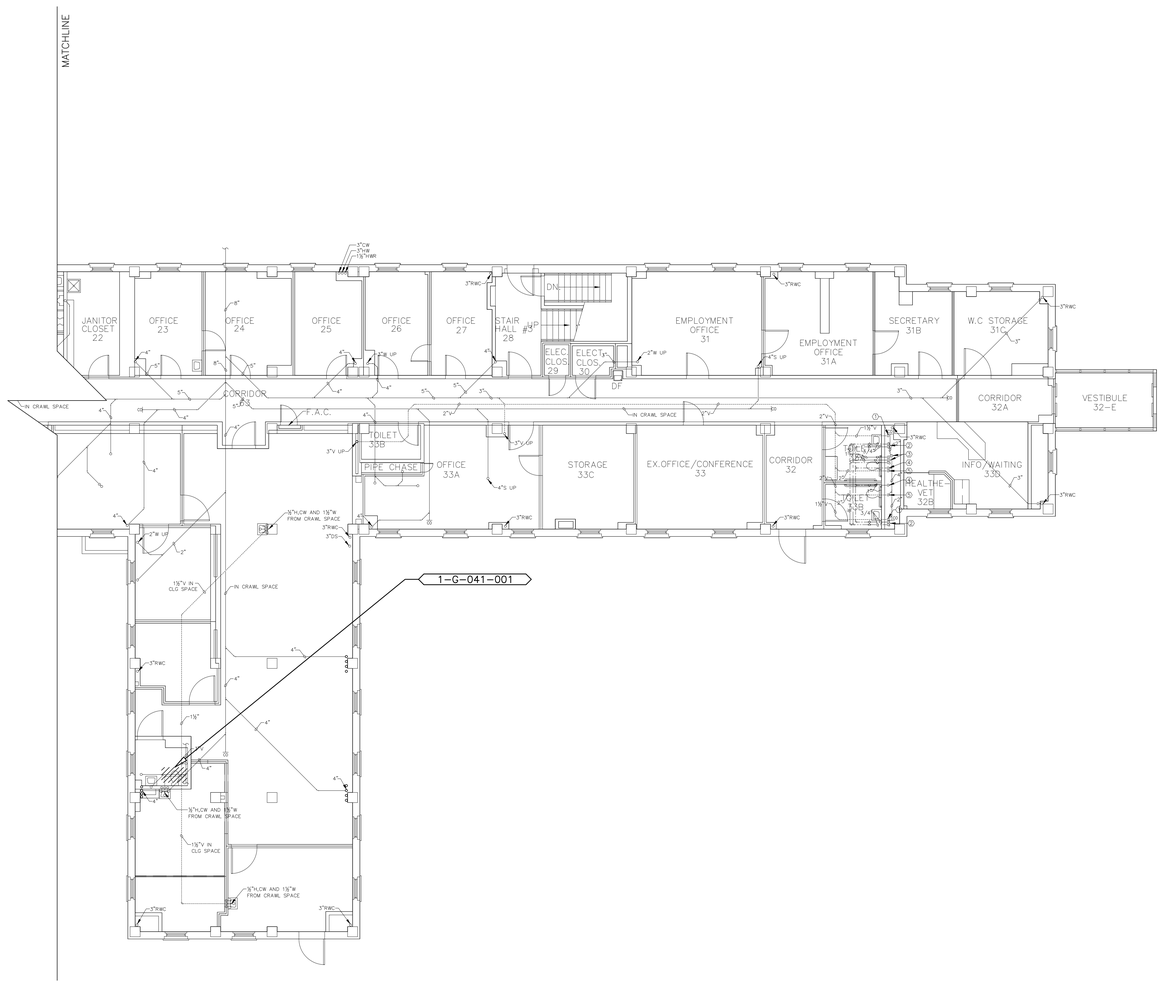
Project No.: 595-14-177

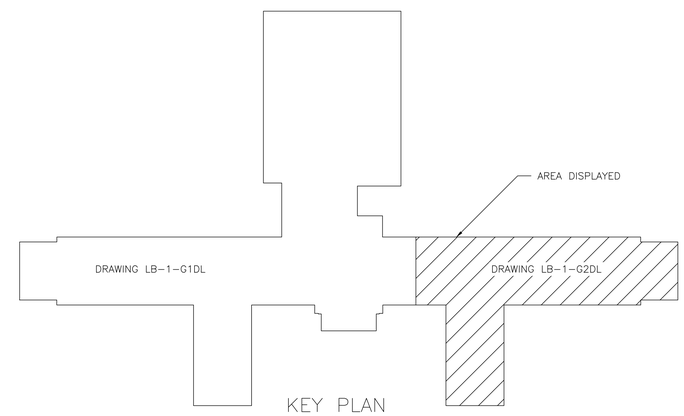
DRAWING NO. DRAWING LB-1-G1DL

DWG. 9 OF 58

Veterans Affairs

PLUMBING FIELD STUDY KEY SYMBOLS	
XXX-XX-XXX-XXX	DEAD LEG TAG
XXX-XX-XXX-XXX	MIXING VALVE TAG
	REMEDIATE DEAD LEG





KEY PLAN
BUILDING 1
SCALE:NOT TO SCALE

PROJECT NORTH

1 LB-1-G2DL

BUILDING 1 AREA 2 GROUND FLOOR PLUMBING DEAD LEG PLAN
SCALE:1/8"=1'-0"

Revisions	Date

Project Lead

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Professional Seal

REGISTERED PROFESSIONAL ENGINEER DALE ENGLEHART No. PE045746

Drawing Title
BUILDING 1 AREA 2
GROUND FLOOR PLUMBING DEAD LEG PLAN

Facility Project Name

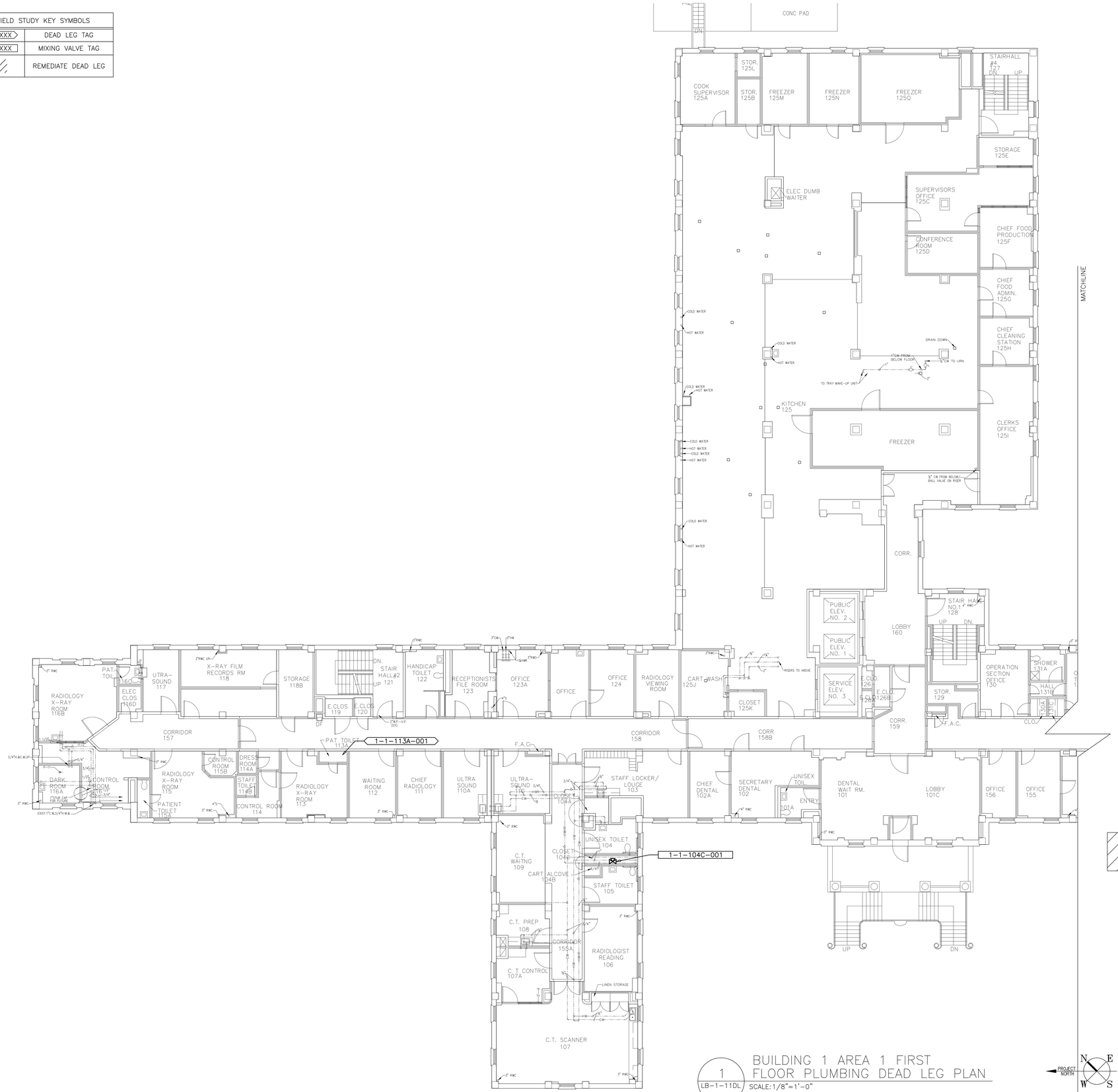
Project Title
PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

Building Number: 1
Checked: D.L.E.
Drawn: D.J.P.
Location: LEBANON, PENNSYLVANIA

Date: 01/27/2015
Project No.: 595-14-177
DRAWING NO. DRAWING LB-1-G2DL
DWG. 10 OF 58

Veterans Affairs

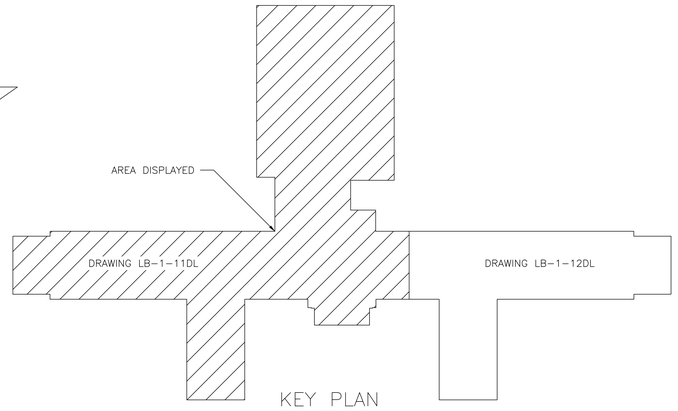
PLUMBING FIELD STUDY KEY SYMBOLS	
XXX-XX-XXX-XXX	DEAD LEG TAG
XXX-XX-XXX-XXX	MIXING VALVE TAG
	REMEDIATE DEAD LEG



1 LB-1-11DL

BUILDING 1 AREA 1 FIRST FLOOR PLUMBING DEAD LEG PLAN

SCALE: 1/8"=1'-0"



KEY PLAN
BUILDING 1

SCALE: NOT TO SCALE

Revisions	Date

Project Lead

NEI

NORTHEAST INFRASTRUCTURE, LLC
630 PARK STREET HONESDALE, PA 18431
570-253-0846 OFFICE 570-253-1935 FAX
WWW.NEINFRA.COM

Professional Seal

REGISTERED PROFESSIONAL ENGINEER DALE ENGLEHART PA. PENNSYLVANIA

Drawing Title: BUILDING 1 AREA 1 FIRST FLOOR PLUMBING DEAD LEG PLAN

Facility Project Name:

Project Title: PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

Building Number: 1

Checked: D.L.E.

Drawn: D.J.P.

Location: LEBANON, PENNSYLVANIA

Date: 01/27/2015

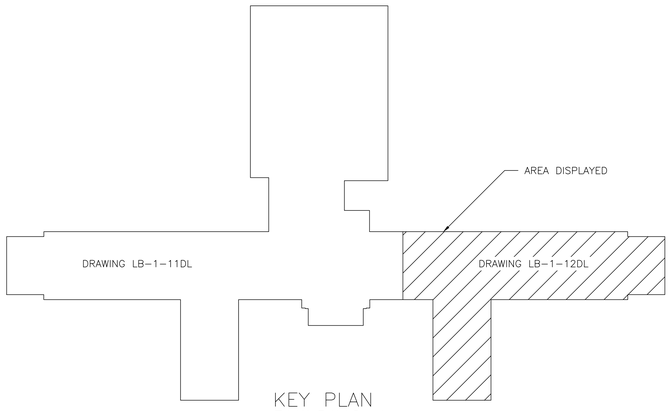
Project No.: 595-14-177

DRAWING NO. DRAWING LB-1-11DL

DWG. 11 OF 58

Veterans Affairs

PLUMBING FIELD STUDY KEY SYMBOLS	
XXX-XX-XXX-XXX	DEAD LEG TAG
XXX-XX-XXX-XXX	MIXING VALVE TAG
	REMEDIATE DEAD LEG



KEY PLAN
BUILDING 1
SCALE:NOT TO SCALE

1
LB-1-12DL

BUILDING 1 AREA 2 FIRST FLOOR PLUMBING DEAD LEG PLAN
SCALE:1/8"=1'-0"

Revisions	Date

Project Lead

NEI
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Professional Seal

REGISTERED PROFESSIONAL ENGINEER DALE ENGLEHART No. PE045716

Drawing Title
BUILDING 1 AREA 1
FIRST FLOOR PLUMBING DEAD LEG PLAN

Facility Project Name

Project Title
PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

Building Number	Checked	Drawn
1	D.L.E.	D.J.P.

Location
LEBANON, PENNSYLVANIA

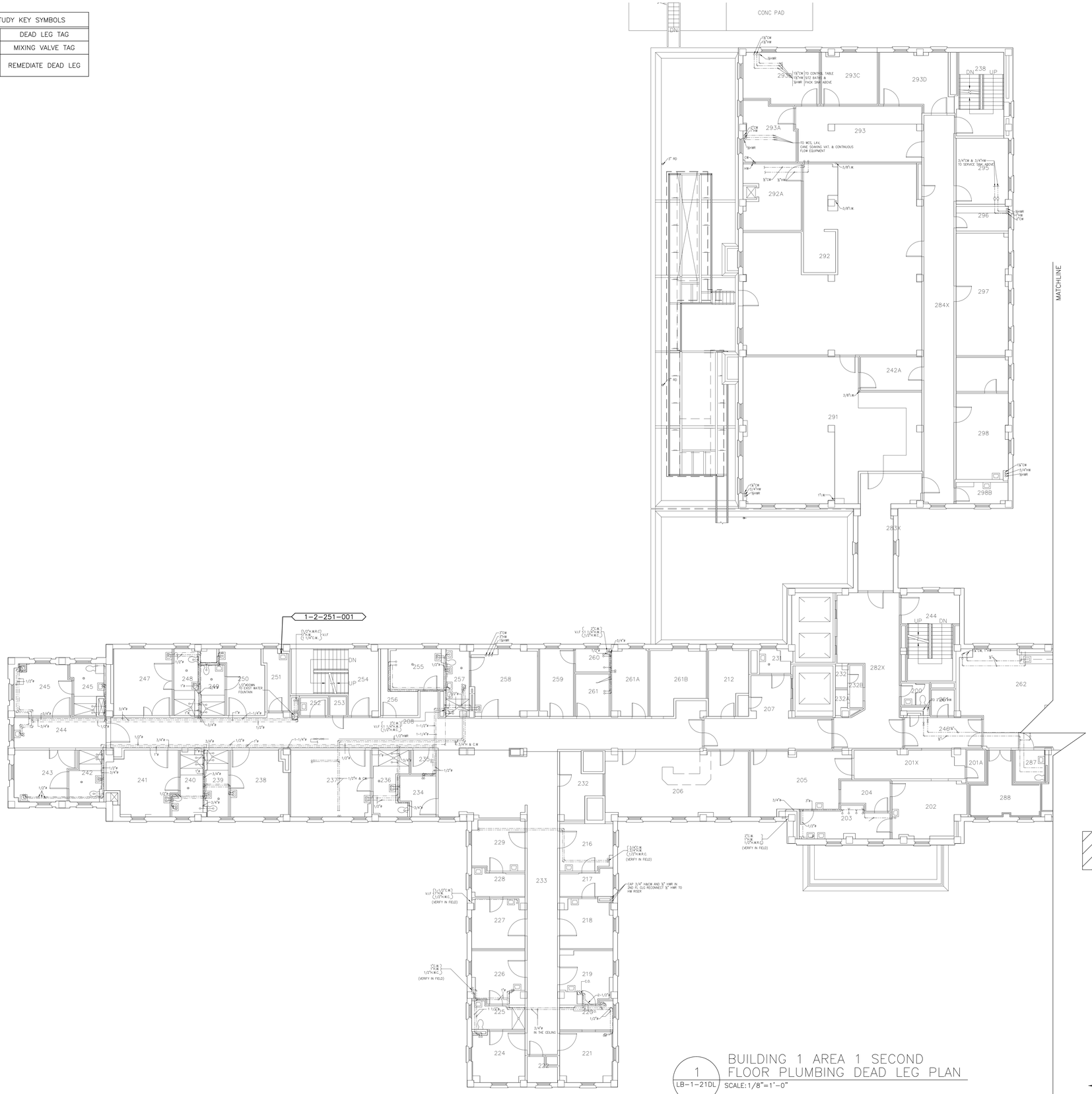
Date
01/27/2015

Project No.
595-14-177

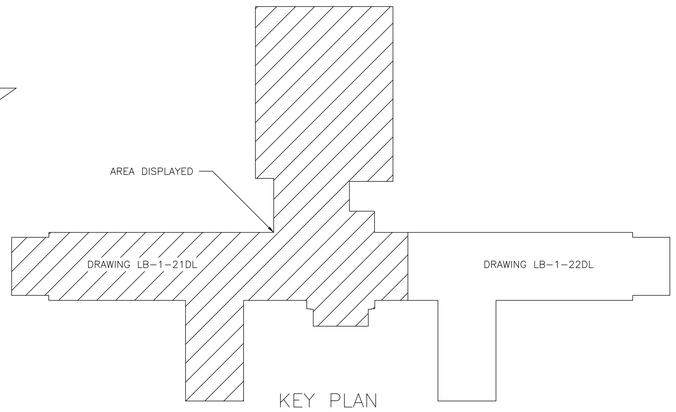
DRAWING NO.
DRAWING
LB-1-12DL
DWG. 12 OF 58

Veterans Affairs

PLUMBING FIELD STUDY KEY SYMBOLS	
XXX-XX-XXX-XXX	DEAD LEG TAG
XXX-XX-XXX-XXX	MIXING VALVE TAG
	REMEDIATE DEAD LEG



1 LB-1-21DL BUILDING 1 AREA 1 SECOND FLOOR PLUMBING DEAD LEG PLAN
SCALE: 1/8"=1'-0"



KEY PLAN
BUILDING 1
SCALE: NOT TO SCALE

Revisions	Date

Project Lead

NEI
NORTHEAST INFRASTRUCTURE, LLC
630 PARK STREET HONESDALE, PA 18431
570-253-0846 OFFICE 570-253-1935 FAX
WWW.NEINFRA.COM

Professional Seal

REGISTERED PROFESSIONAL DALE ENGLEHART ENGINEER No. PE045116

Drawing Title
BUILDING 1 AREA 1
SECOND FLOOR PLUMBING DEAD LEG PLAN

Facility Project Name

Project Title
PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

Building Number	Checked	Drawn
1	D.L.E.	D.J.P.

Location
LEBANON, PENNSYLVANIA

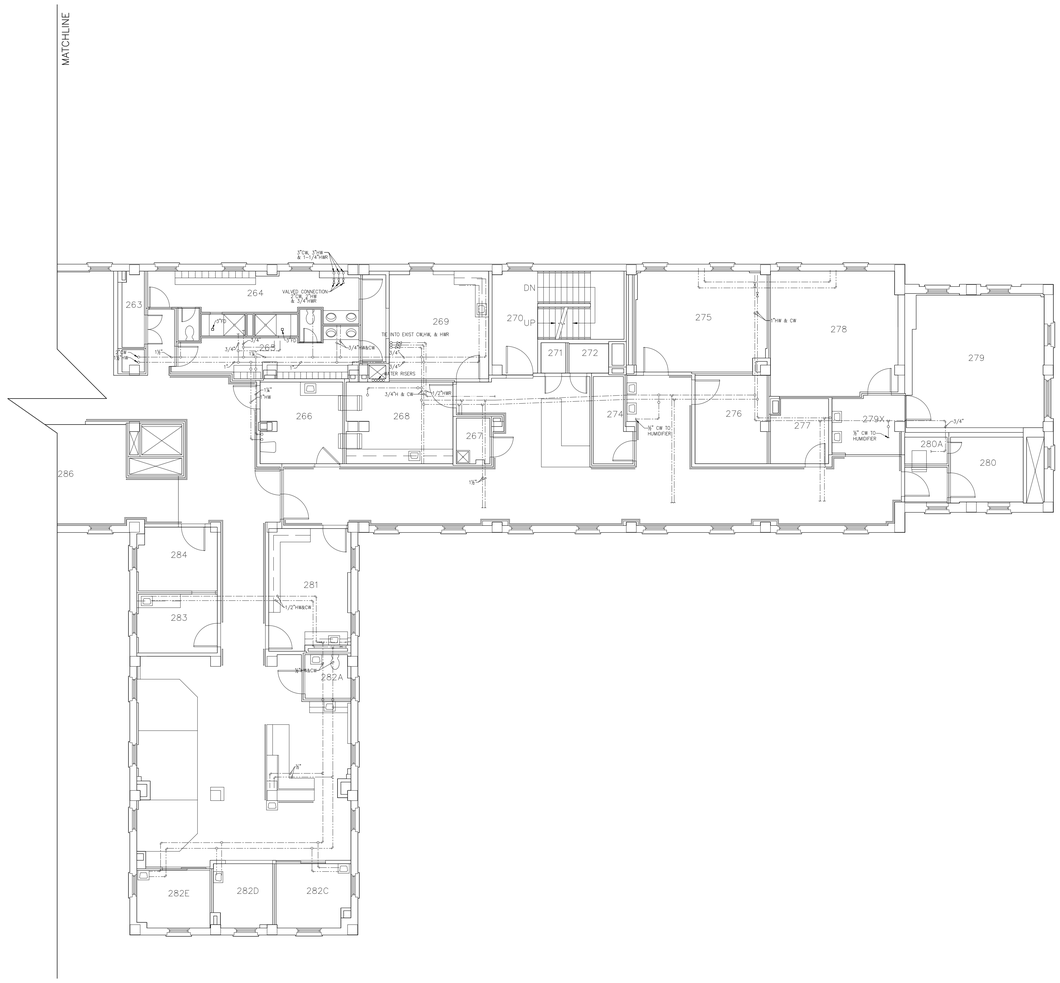
Date 01/27/2015

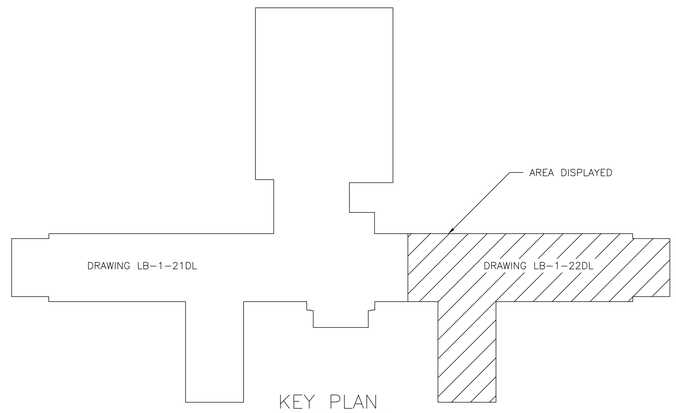
Project No. 595-14-177

DRAWING NO. DRAWING
LB-1-21DL
DWG. 13 OF 58

Veterans Affairs

PLUMBING FIELD STUDY KEY SYMBOLS	
XXX-XX-XXX-XXX	DEAD LEG TAG
XXX-XX-XXX-XXX	MIXING VALVE TAG
	REMEDIATE DEAD LEG





KEY PLAN
BUILDING 1
SCALE:NOT TO SCALE

1
LB-1-22DL

BUILDING 1 AREA 2 SECOND FLOOR PLUMBING DEAD LEG PLAN
SCALE:1/8"=1'-0"

Revisions	Date

Project Lead

NEI
NORTHEAST INFRASTRUCTURE, LLC
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Professional Seal

REGISTERED PROFESSIONAL DALE ENGLEHART ENGINEER No. PE045116

Drawing Title
BUILDING 1 AREA 2
SECOND FLOOR PLUMBING DEAD LEG PLAN

Facility Project Name

Project Title
PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

Building Number	Checked	Drawn
1	D.L.E.	D.J.P.

Location
LEBANON, PENNSYLVANIA

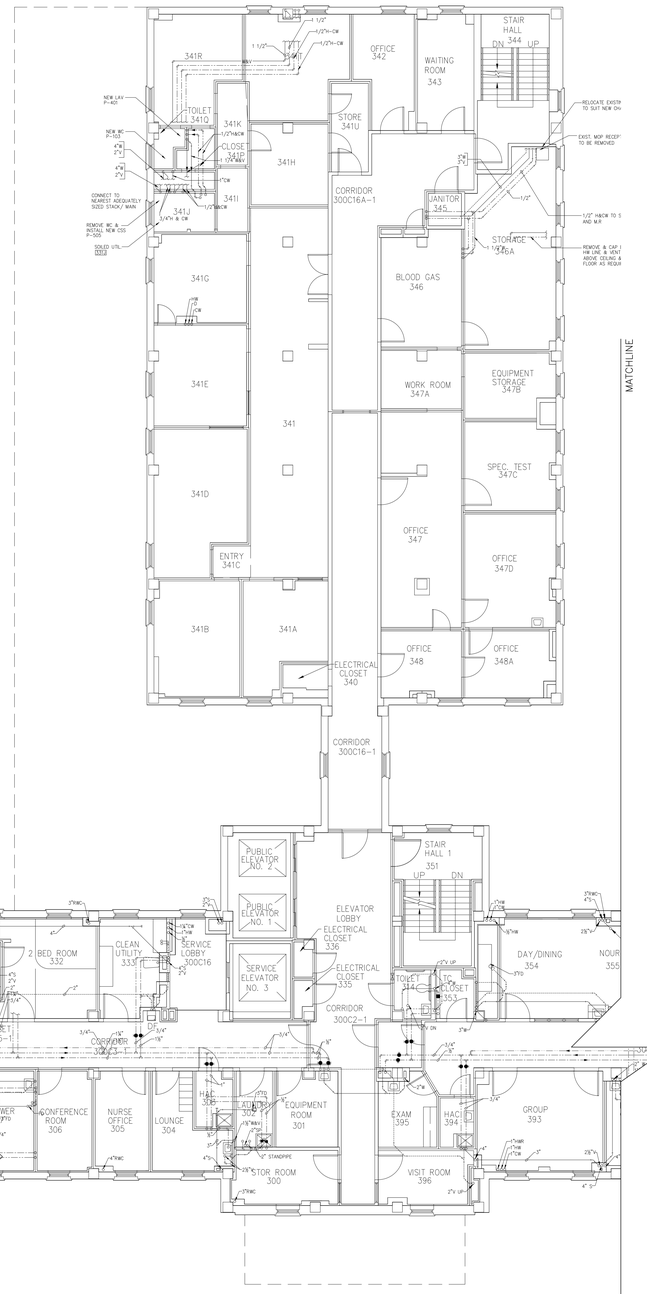
Date
01/27/2015

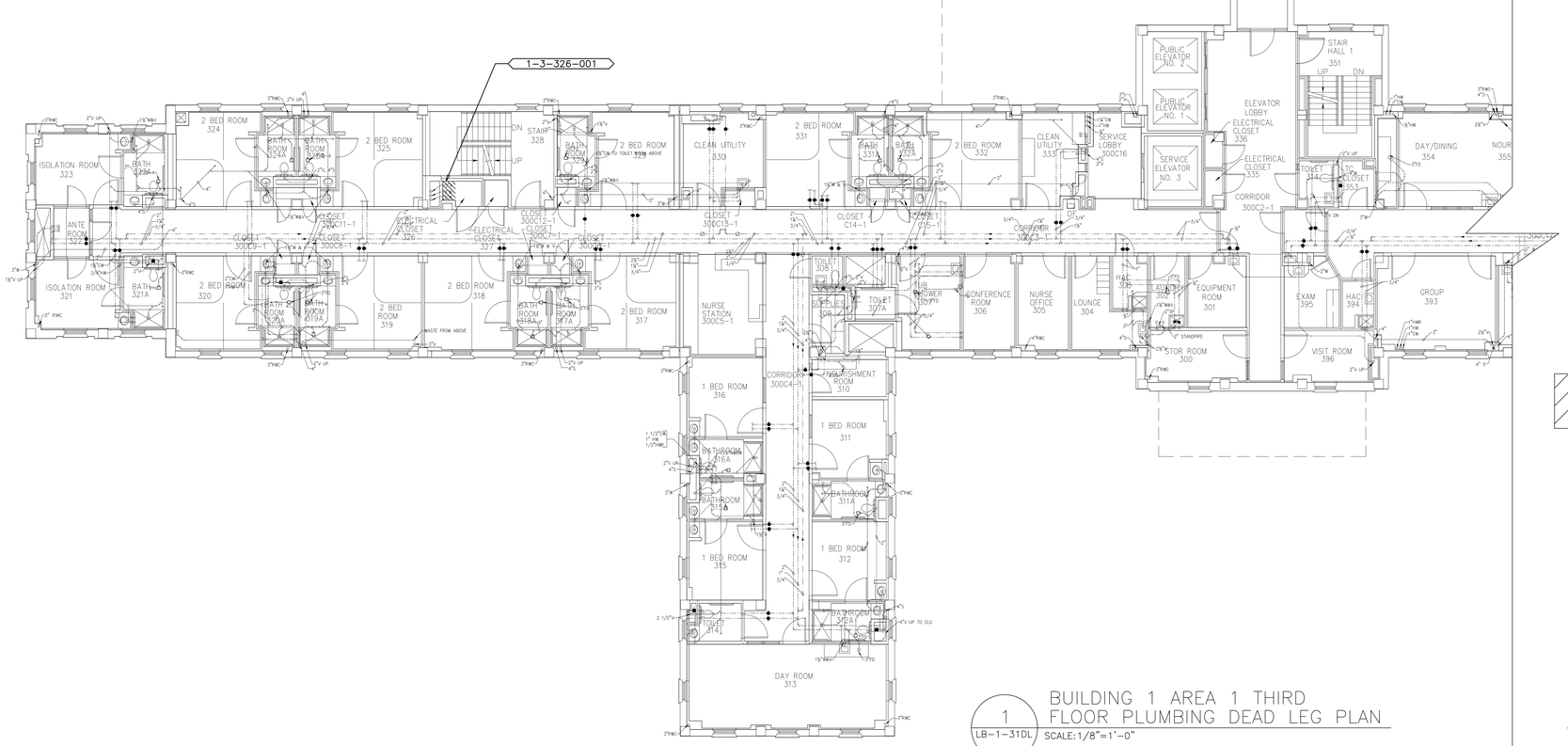
Project No.
595-14-177

DRAWING NO.
DRAWING
LB-1-22DL
DWG. 14 OF 58

Veterans Affairs

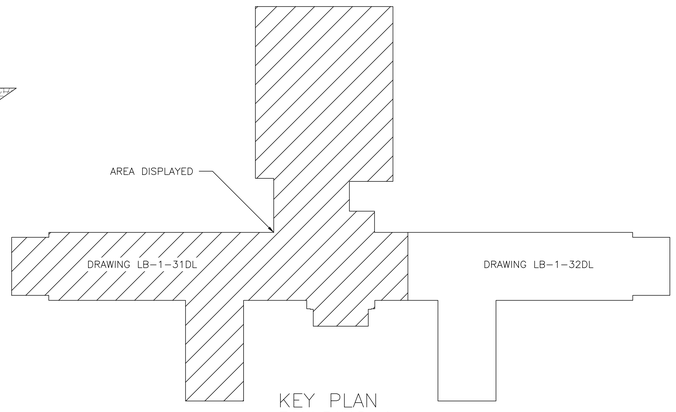
PLUMBING FIELD STUDY KEY SYMBOLS	
XXX-XX-XXX-XXX	DEAD LEG TAG
XXX-XX-XXX-XXX	MIXING VALVE TAG
	REMEDIATE DEAD LEG





1 / LB-1-31DL BUILDING 1 AREA 1 THIRD FLOOR PLUMBING DEAD LEG PLAN

SCALE: 1/8"=1'-0"



KEY PLAN
BUILDING 1

SCALE: NOT TO SCALE

PROJECT NORTH

Revisions	Date

Project Lead

NEI

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WWW.NEINFRA.COM

Professional Seal

REGISTERED PROFESSIONAL ENGINEER DALE ENGLEHART No. PE048746

Drawing Title: BUILDING 1 AREA 1 THIRD FLOOR PLUMBING DEAD LEG PLAN

Facility Project Name:

Project Title: PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

Date: 01/27/2015

Project No.: 595-14-177

Building Number: 1

Checked: D.L.E.

Drawn: D.J.P.

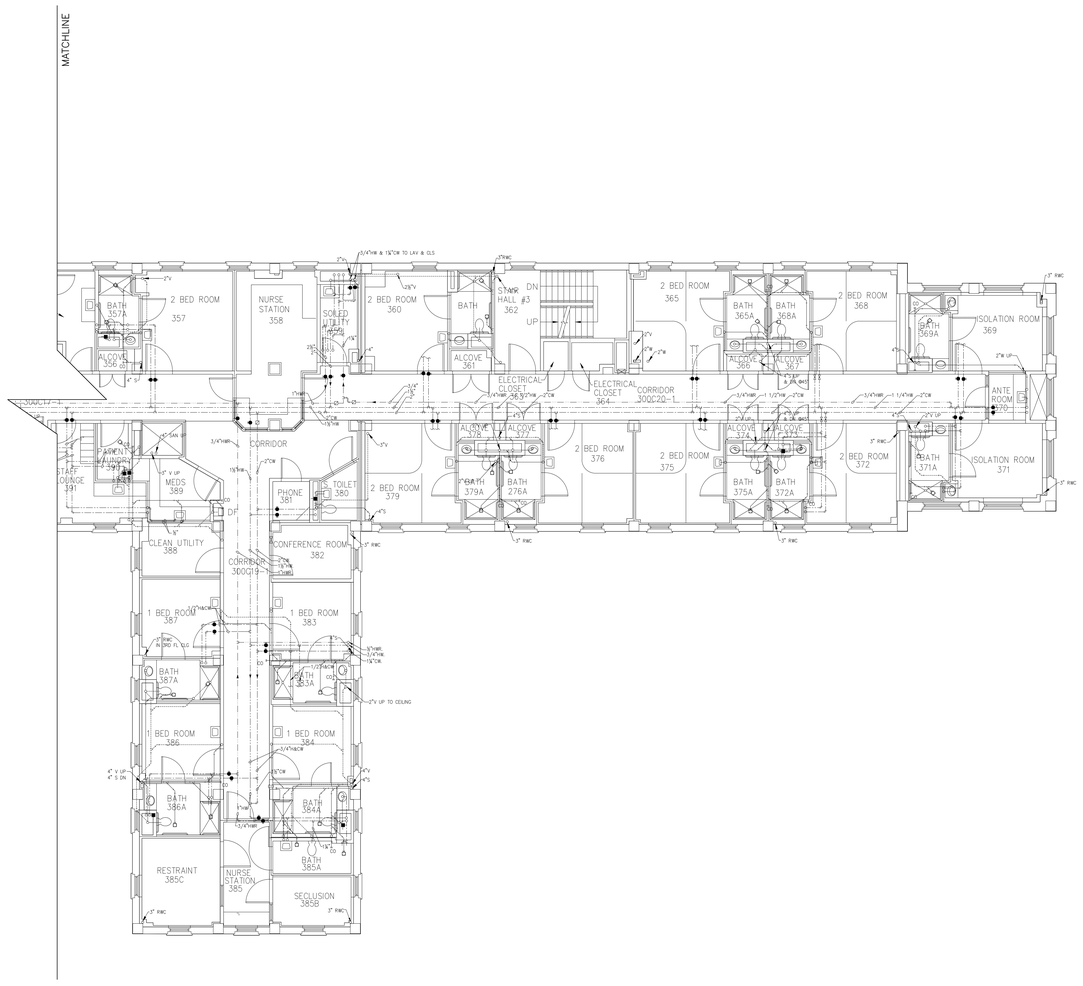
Location: LEBANON, PENNSYLVANIA

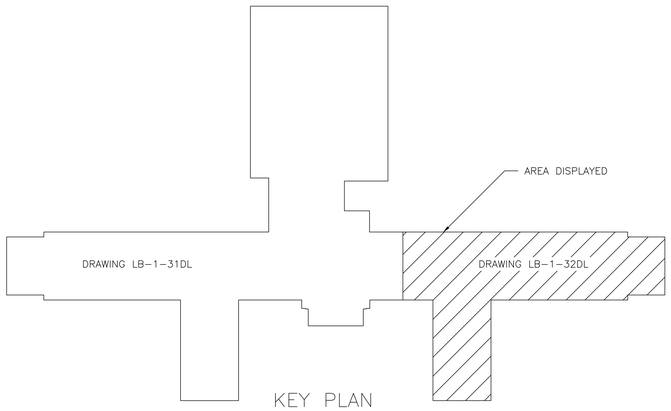
DRAWING NO. DRAWING LB-1-31DL

DWG. 15 OF 58

Veterans Affairs

PLUMBING FIELD STUDY KEY SYMBOLS	
XXX-XX-XXX-XXX	DEAD LEG TAG
XXX-XX-XXX-XXX	MIXING VALVE TAG
	REMEDIATE DEAD LEG





KEY PLAN
BUILDING 1
SCALE:NOT TO SCALE

PROJECT NORTH

1
LB-1-32DL

BUILDING 1 AREA 2 THIRD FLOOR PLUMBING DEAD LEG PLAN
SCALE: 1/8"=1'-0"

Revisions	Date

Project Lead

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Professional Seal

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
DALE ENGLEHART
ENGINEER
No. PE048746

Drawing Title: BUILDING 1 AREA 2 THIRD FLOOR PLUMBING DEAD LEG PLAN

Facility Project Name:

Project Title: PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

Building Number: 1

Checked: D.L.E.

Drawn: D.J.P.

Location: LEBANON, PENNSYLVANIA

Date: 01/27/2015

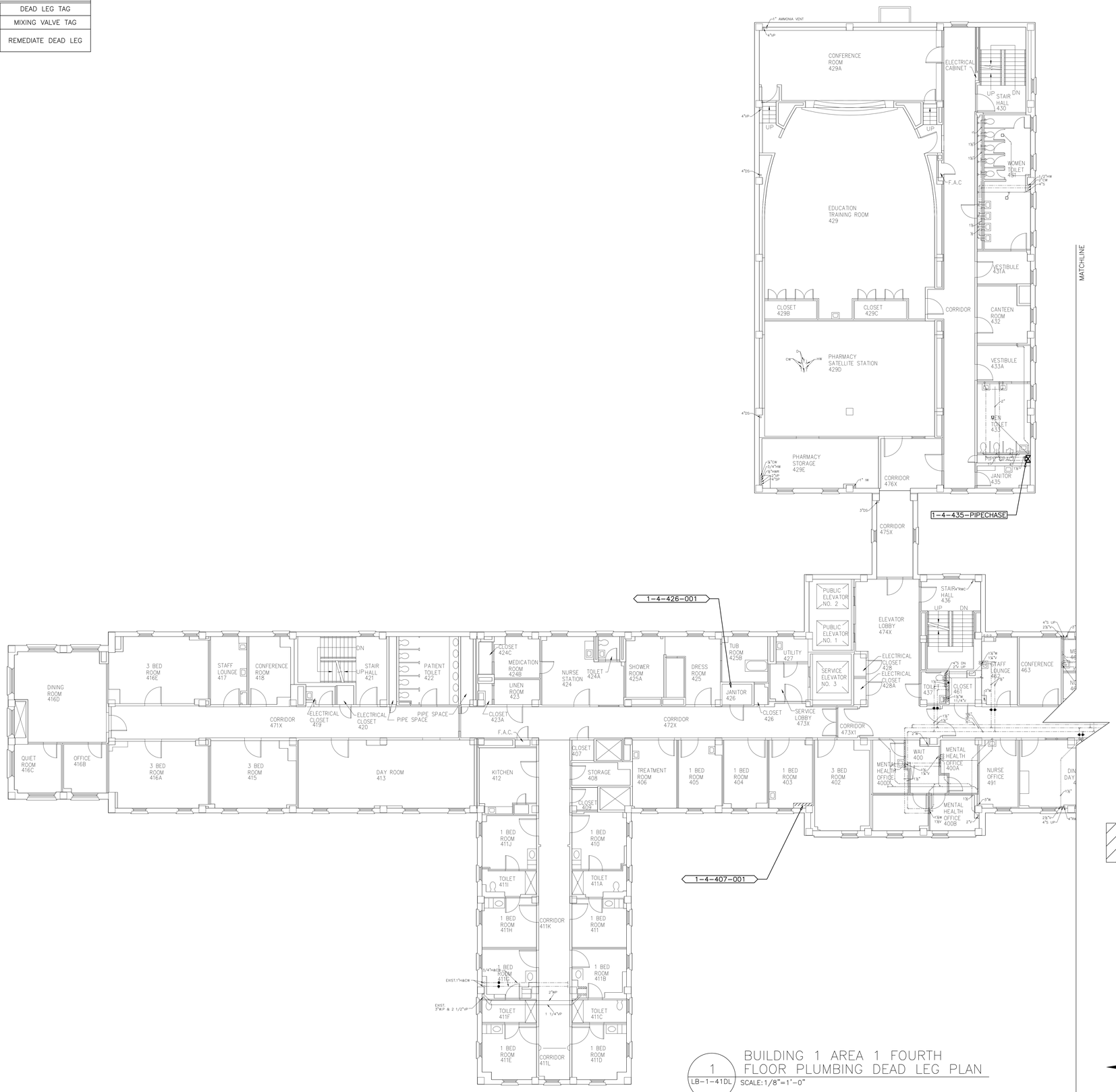
Project No. 595-14-177

DRAWING NO. DRAWING LB-1-32DL

DWG. 16 OF 58

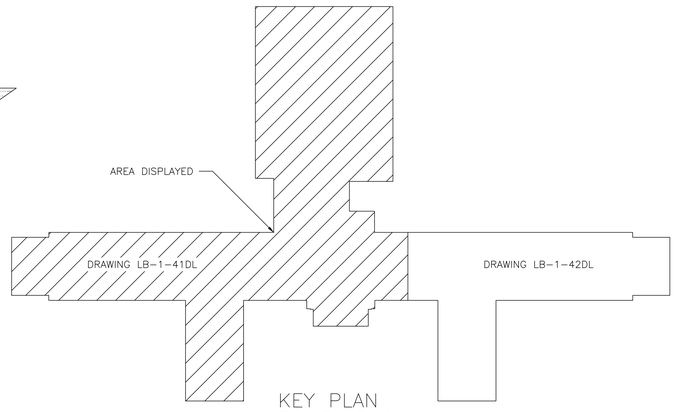
Veterans Affairs

PLUMBING FIELD STUDY KEY SYMBOLS	
XXX-XX-XXX-XXX	DEAD LEG TAG
XXX-XX-XXX-XXX	MIXING VALVE TAG
	REMEDIATE DEAD LEG



1 LB-1-41DL BUILDING 1 AREA 1 FOURTH FLOOR PLUMBING DEAD LEG PLAN

SCALE: 1/8"=1'-0"



KEY PLAN
BUILDING 1

SCALE: NOT TO SCALE

PROJECT NORTH

Revisions	Date

Project Lead

NEI

NORTHEAST INFRASTRUCTURE, LLC
630 PARK STREET HONESDALE, PA 18431
570-253-0846 OFFICE 570-253-1935 FAX
WWW.NEINFRA.COM

Professional Seal

REGISTERED PROFESSIONAL ENGINEER DALE ENGLEHART PA. PENNSYLVANIA

Drawing Title: BUILDING 1 AREA 1 FOURTH FLOOR PLUMBING DEAD LEG PLAN

Facility Project Name:

Project Title: PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

Building Number: 1

Checked: D.L.E.

Drawn: D.J.P.

Location: LEBANON, PENNSYLVANIA

Date: 01/27/2015

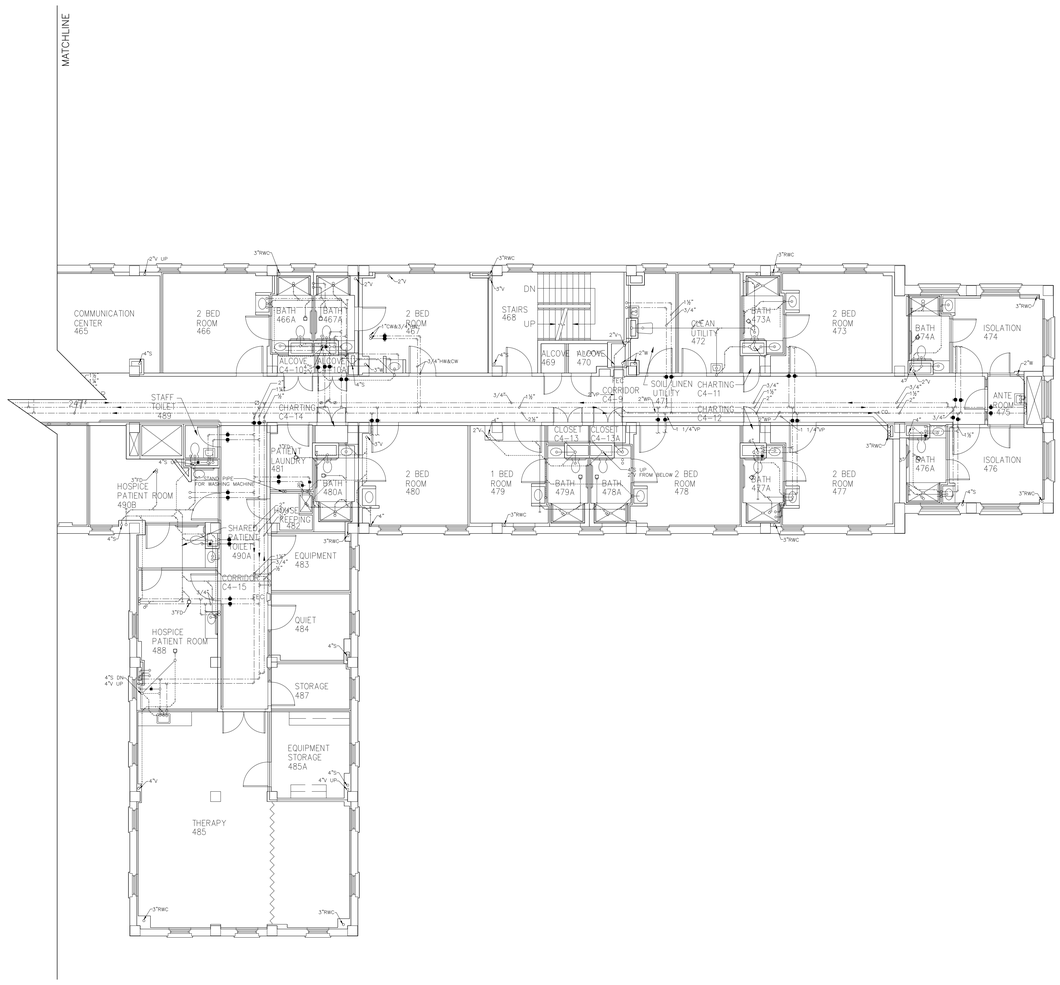
Project No.: 595-14-177

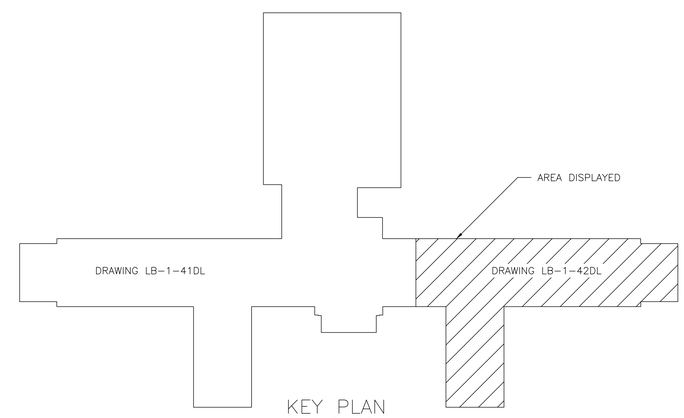
DRAWING NO. DRAWING LB-1-41DL

DWG. 17 OF 58

Veterans Affairs

PLUMBING FIELD STUDY KEY SYMBOLS	
XXX-XX-XXX-XXX	DEAD LEG TAG
XXX-XX-XXX-XXX	MIXING VALVE TAG
	REMEDIATE DEAD LEG





KEY PLAN
BUILDING 1
SCALE:NOT TO SCALE

PROJECT NORTH
N E W S

1
LB-1-42DL

BUILDING 1 AREA 2 FOURTH FLOOR PLUMBING DEAD LEG PLAN
SCALE: 1/8"=1'-0"

Revisions	Date

Project Lead

NEI
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630 PARK STREET HONESDALE, PA 18431
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WWW.NEINFRA.COM

Professional Seal

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
DALE ENGLEHART
ENGINEER
No. PE045746

Drawing Title
BUILDING 1 AREA 2
FOURTH FLOOR PLUMBING DEAD LEG PLAN

Facility Project Name

Project Title
PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

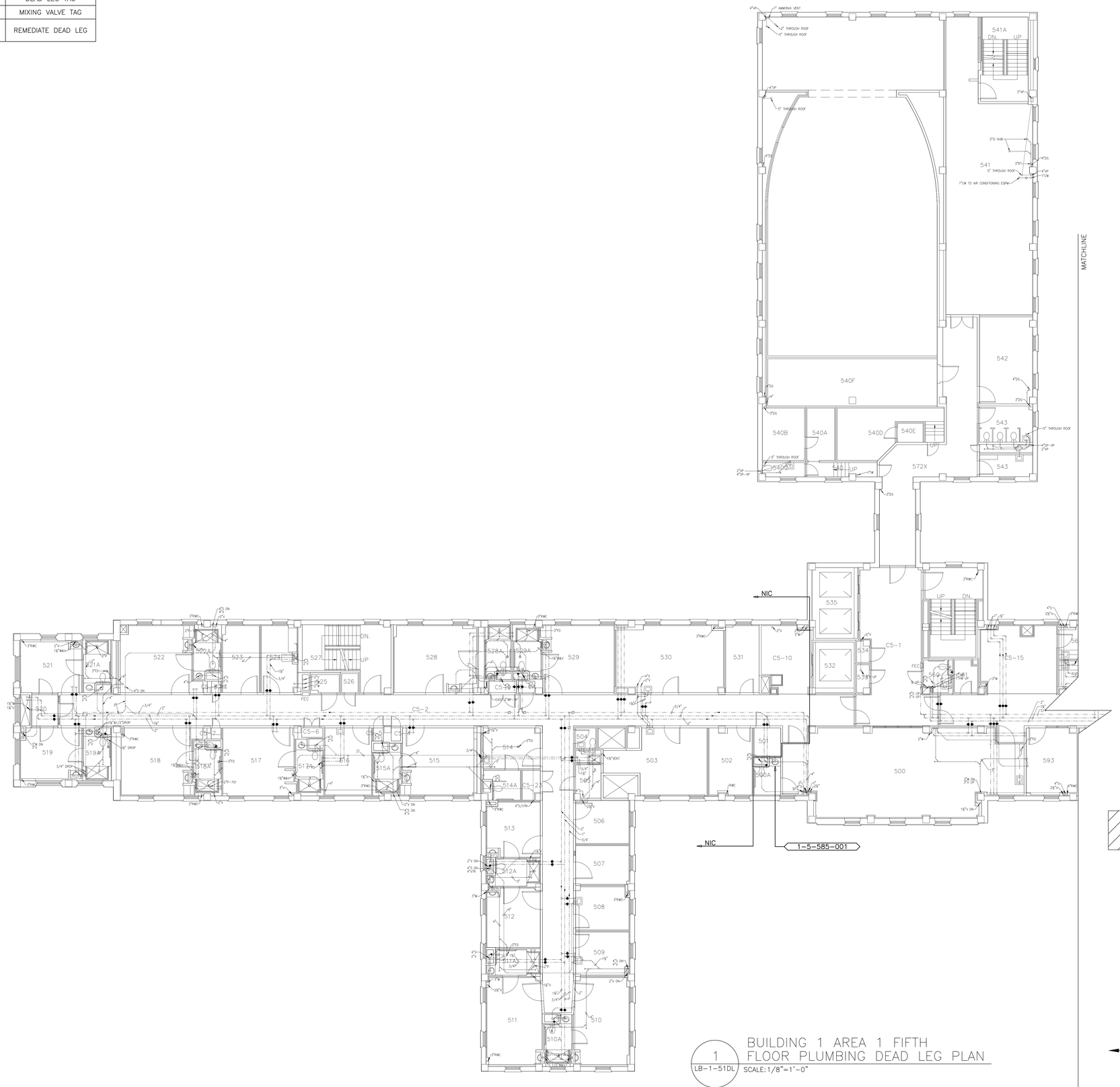
Building Number: 1
Checked: D.L.E.
Drawn: D.J.P.
Location: LEBANON, PENNSYLVANIA

Date: 01/27/2015
Project No. 595-14-177

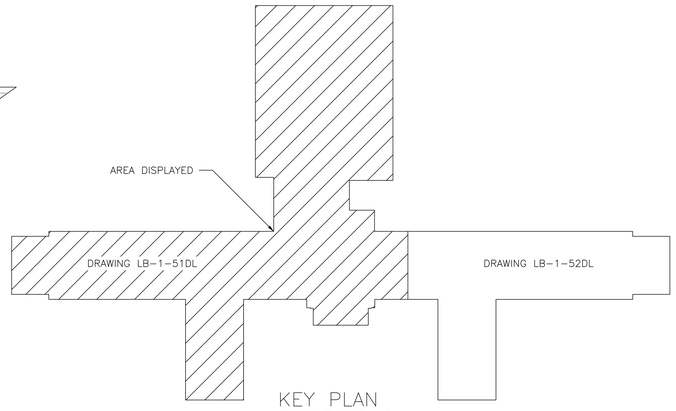
DRAWING NO.
LB-1-42DL
DWG. 18 OF 58

Veterans Affairs

PLUMBING FIELD STUDY KEY SYMBOLS	
XXX-XX-XXX-XXX	DEAD LEG TAG
XXX-XX-XXX-XXX	MIXING VALVE TAG
	REMEDIATE DEAD LEG



1 LB-1-51DL BUILDING 1 AREA 1 FIFTH FLOOR PLUMBING DEAD LEG PLAN
SCALE: 1/8"=1'-0"



KEY PLAN
BUILDING 1
SCALE: NOT TO SCALE

Revisions	Date

Project Lead

NEI
NORTHEAST INFRASTRUCTURE, LLC
630 PARK STREET HONESDALE, PA 18431
570-253-0846 OFFICE 570-253-1935 FAX
WWW.NEINFRA.COM

Professional Seal

REGISTERED PROFESSIONAL ENGINEER DALE ENGLEHART No. PE045116

Drawing Title
BUILDING 1 AREA 1
FIFTH FLOOR PLUMBING DEAD LEG PLAN

Facility Project Name

Project Title
PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

Building Number	Checked	Drawn
1	D.L.E.	D.J.P.

Location
LEBANON, PENNSYLVANIA

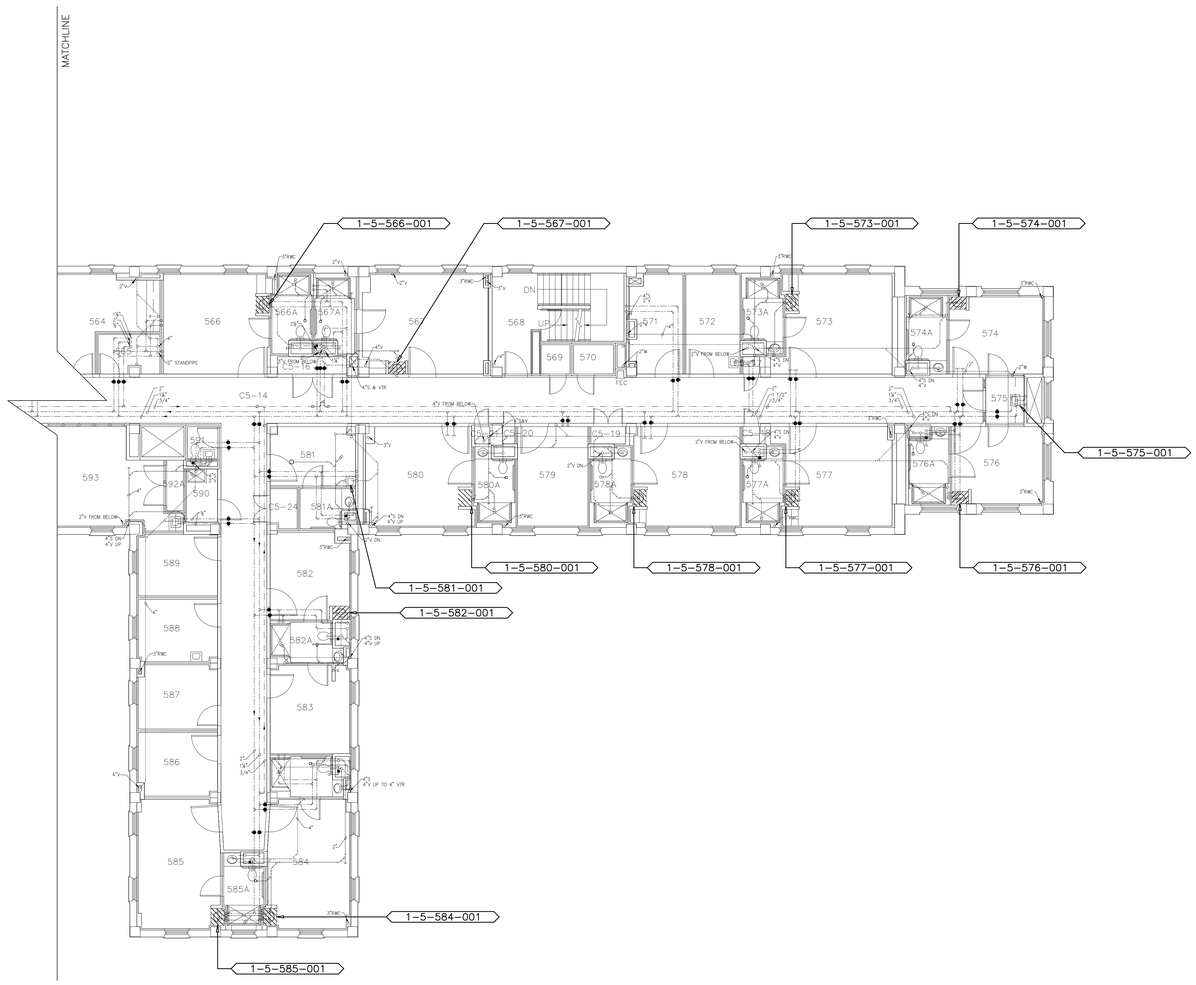
Date 01/27/2015

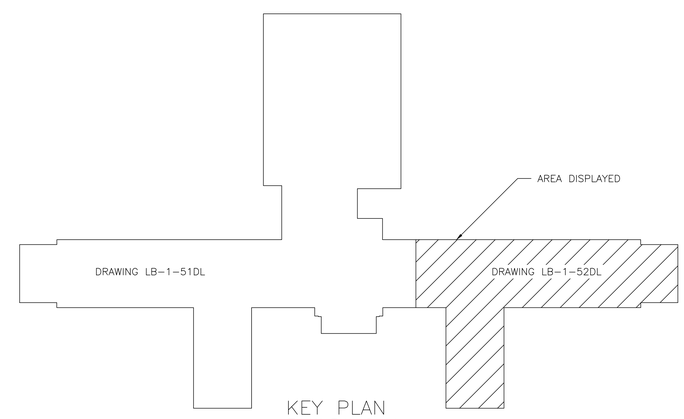
Project No. 595-14-177

DRAWING NO.
DRAWING
LB-1-51DL
DWG. 19 OF 58

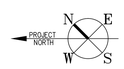
Veterans Affairs

PLUMBING FIELD STUDY KEY SYMBOLS	
XXX-XX-XXX-XXX	DEAD LEG TAG
XXX-XX-XXX-XXX	MIXING VALVE TAG
	REMEDIATE DEAD LEG





KEY PLAN
BUILDING 1
SCALE:NOT TO SCALE



1 / LB-1-52DL

BUILDING 1 AREA 2 FIFTH FLOOR PLUMBING DEAD LEG PLAN

SCALE:1/8"=1'-0"

Revisions	Date

Project Lead

NEI

NORTHEAST INFRASTRUCTURE, LLC
630 PARK STREET HONESDALE, PA 18431
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Professional Seal

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
DALE ENGLEHART
ENGINEER
No. PE049746

Drawing Title: BUILDING 1 AREA 2 FIFTH FLOOR PLUMBING DEAD LEG PLAN

Facility Project Name:

Project Title: PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

Building Number: 1

Checked: D.L.E.

Drawn: D.J.P.

Location: LEBANON, PENNSYLVANIA

Date: 01/27/2015

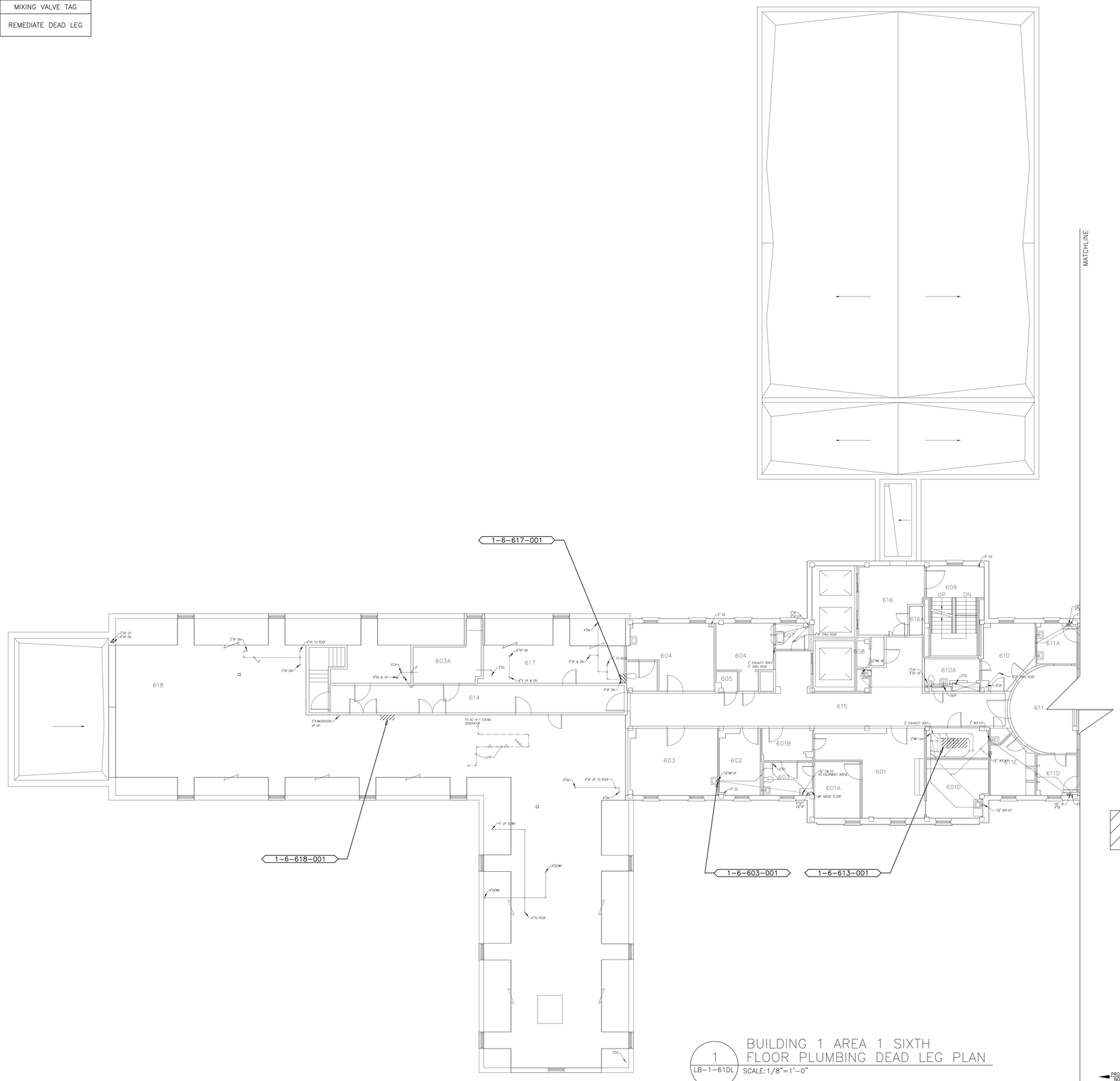
Project No.: 595-14-177

DRAWING NO. DRAWING LB-1-52DL

DWG. 20 OF 58

Veterans Affairs

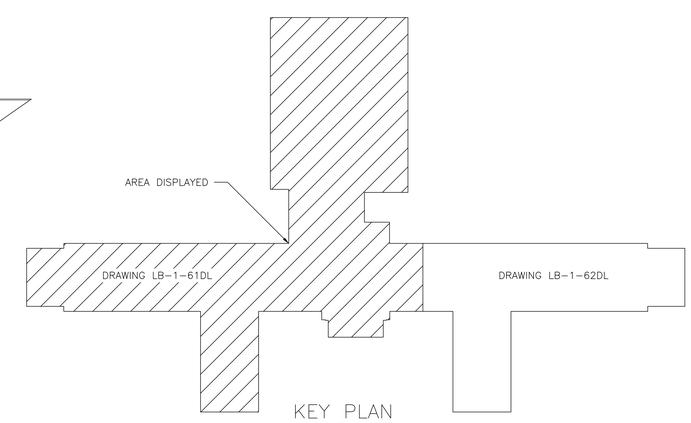
PLUMBING FIELD STUDY KEY SYMBOLS	
XXX-XX-XXX-XXX	DEAD LEG TAG
XXX-XX-XXX-XXX	MIXING VALVE TAG
	REMEDIATE DEAD LEG



1 LB-1-61DL

BUILDING 1 AREA 1 SIXTH FLOOR PLUMBING DEAD LEG PLAN

SCALE: 1/8"=1'-0"



KEY PLAN
BUILDING 1

SCALE: NOT TO SCALE

PROJECT NORTH

N E W S

Revisions	Date

Project Lead

NEI

NORTHEAST INFRASTRUCTURE, LLC
630 PARK STREET HONESDALE, PA 18431
570-253-0846 OFFICE 570-253-1935 FAX
WWW.NEINFRA.COM

Professional Seal

COMMONWEALTH OF PENNSYLVANIA
PROFESSIONAL
DALE ENGLEHART
ENGINEER
No. PE040748

Drawing Title
BUILDING 1 AREA 1
SIXTH FLOOR PLUMBING DEAD LEG PLAN

Facility Project Name

Project Title
PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

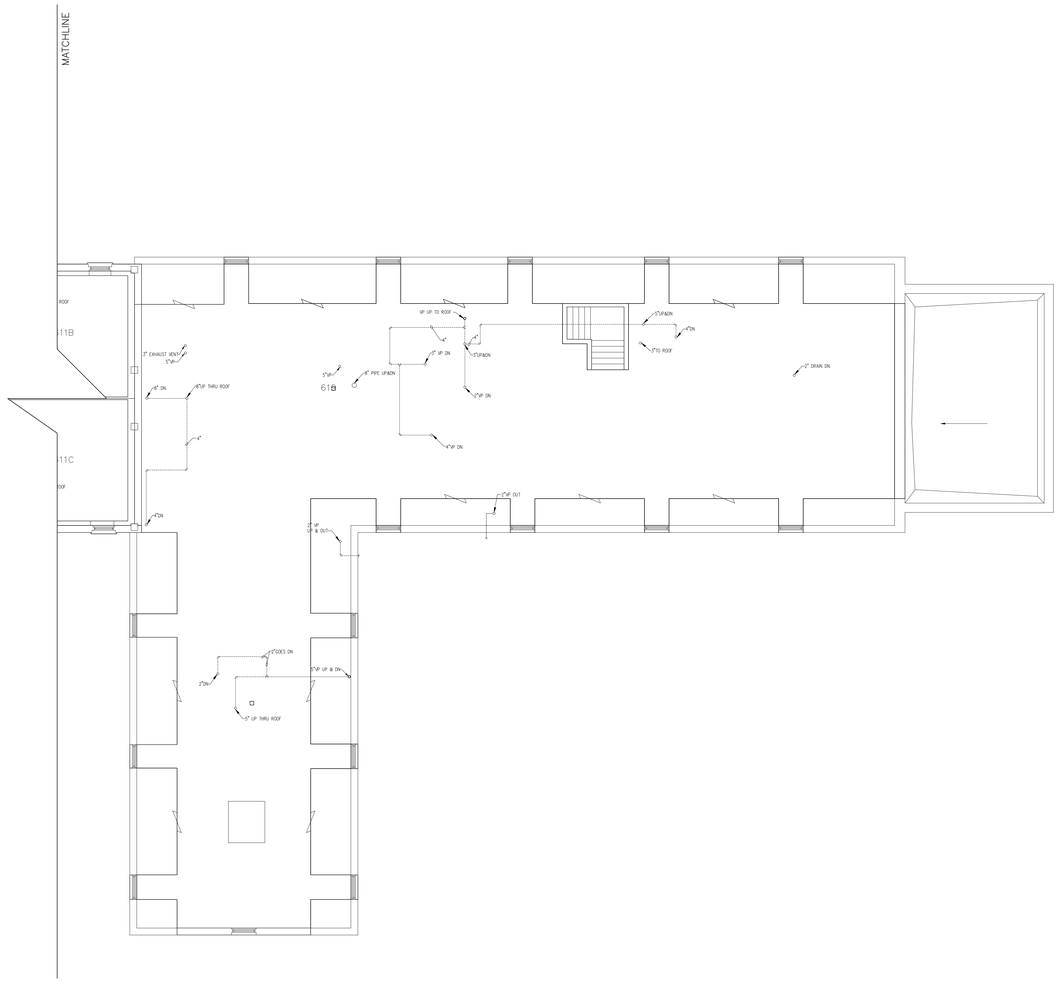
Building Number: 1
Checked: D.L.E.
Drawn: D.J.P.
Location: LEBANON, PENNSYLVANIA

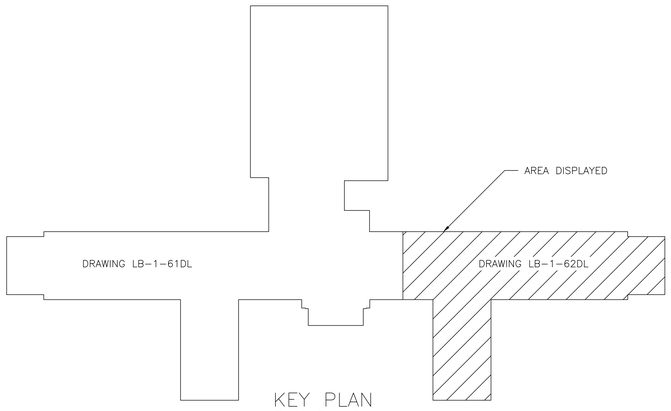
Date: 01/27/2015
Project No. 595-14-177

DRAWING NO.
LB-1-61DL
DWG. 21 OF 58

Veterans Affairs

PLUMBING FIELD STUDY KEY SYMBOLS	
XXX–XX–XXX–XXX	DEAD LEG TAG
XXX–XX–XXX–XXX	MIXING VALVE TAG
	REMEDIATE DEAD LEG





KEY PLAN
BUILDING 1
SCALE:NOT TO SCALE

1
LB–1–62DL

BUILDING 1 AREA 2 SIXTH FLOOR PLUMBING DEAD LEG PLAN
SCALE:1/8"=1'–0"

Revisions	Date

Project Lead

NEI
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WWW.NEINFRA.COM

Professional Seal

REGISTERED PROFESSIONAL DALE ENGLEHART ENGINEER PA. PENNSYLVANIA

Drawing Title
BUILDING 1 AREA 2
SIXTH FLOOR PLUMBING DEAD LEG PLAN

Facility Project Name

Project Title
PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

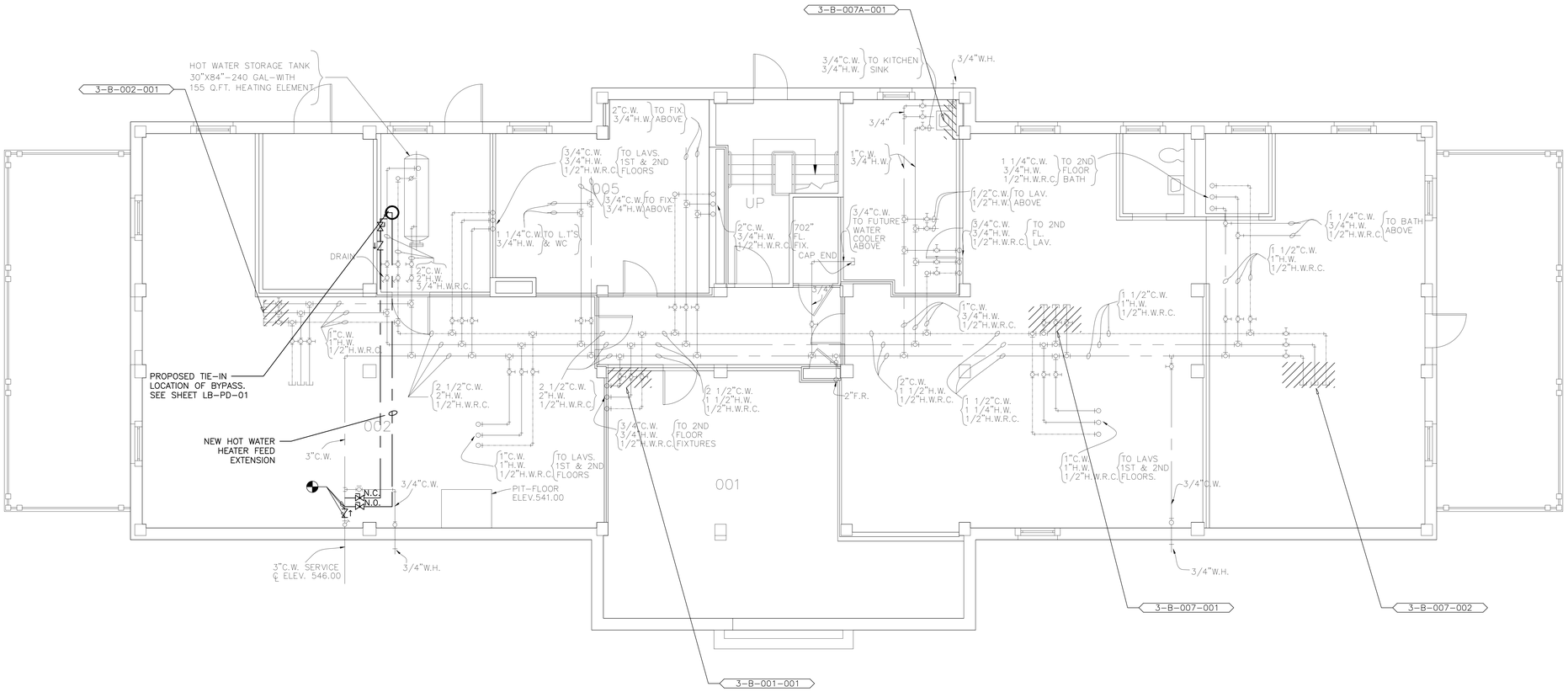
Building Number: 1
Checked: D.L.E.
Drawn: D.J.P.
Location: LEBANON, PENNSYLVANIA

Date: 01/27/2015
Project No. 595–14–177

DRAWING NO.
DRAWING
LB–1–62DL
DWG. 22 OF 58

Veterans Affairs

PLUMBING FIELD STUDY KEY SYMBOLS	
XXX-XX-XXX-XXX	DEAD LEG TAG
XXX-XX-XXX-XXX	MIXING VALVE TAG
	REMEDIATE DEAD LEG



* CONTRACTOR MUST HAVE STATE OF PENNSYLVANIA CHILD CLEARANCES TO WORK IN THIS BUILDING.

S W E N PROJECT NORTH

1 LB-3-0BPL

BUILDING 3
BASEMENT FLOOR PLUMBING DEAD LEG PLAN
SCALE: 1/4"=1'-0"

Revisions	Date

Project Lead

NEI
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630 PARK STREET HONESDALE, PA 18431
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WWW.NEINFRA.COM

Professional Seal

REGISTERED PROFESSIONAL ENGINEER DALE ENGLEHART No. PE045114E

Drawing Title
BUILDING 3
BASEMENT FLOOR PLUMBING DEAD LEG PLAN

Facility Project Name

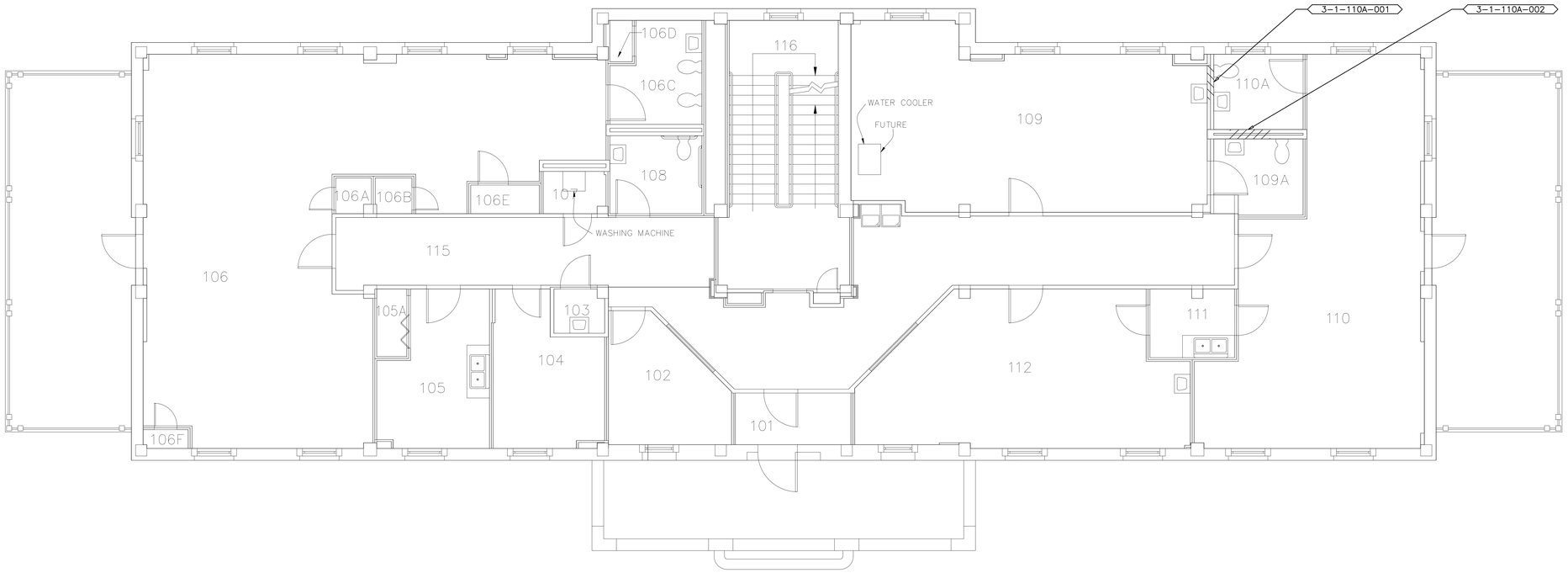
Project Title
PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

Building Number: 3
Checked: D.L.E.
Drawn: D.J.P.
Location: LEBANON, PENNSYLVANIA

Date: 01/27/2015
Project No.: 595-14-177
DRAWING NO. DRAWING: LB-3-0BPL
DWG. 23 OF 58

Veterans Affairs

PLUMBING FIELD STUDY KEY SYMBOLS	
XXX-XX-XXX-XXX	DEAD LEG TAG
XXX-XX-XXX-XXX	MIXING VALVE TAG
	REMEDIATE DEAD LEG



* CONTRACTOR MUST HAVE STATE OF PENNSYLVANIA CHILD CLEARANCES TO WORK IN THIS BUILDING.

S W E N PROJECT NORTH

1 LB-3-01DL BUILDING 3 FIRST FLOOR PLUMBING DEAD LEG PLAN
SCALE: 1/4"=1'-0"

Revisions	Date

Project Lead

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Professional Seal

REGISTERED PROFESSIONAL DALE ENGLEHART ENGINEER No. PE045114E

Drawing Title
BUILDING 3 FIRST FLOOR PLUMBING DEAD LEG PLAN

Facility Project Name

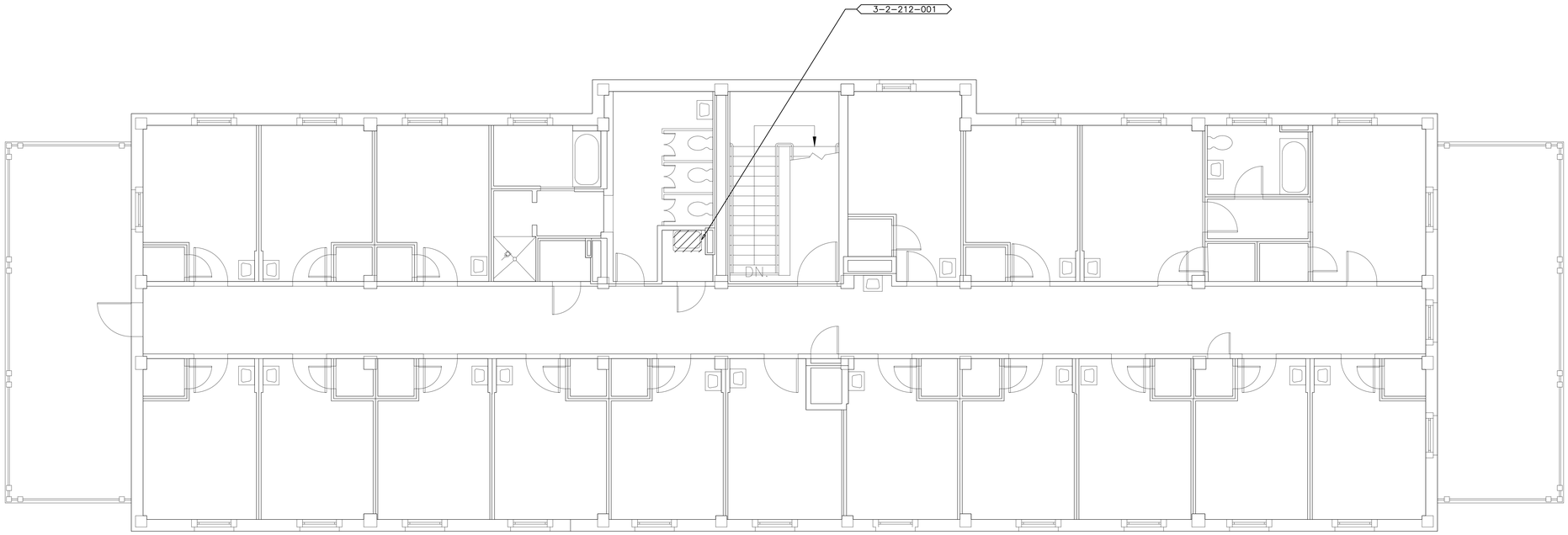
Project Title
PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

Building Number: 3
Checked: D.L.E.
Drawn: D.J.P.
Location: LEBANON, PENNSYLVANIA

Date: 01/27/2015
Project No.: 595-14-177
DRAWING NO. DRAWING LB-3-01DL
DWG. 24 OF 58

Veterans Affairs

PLUMBING FIELD STUDY KEY SYMBOLS	
XXX-XX-XXX-XXX	DEAD LEG TAG
XXX-XX-XXX-XXX	MIXING VALVE TAG
	REMEDIATE DEAD LEG



* CONTRACTOR MUST HAVE STATE OF PENNSYLVANIA CHILD CLEARANCES TO WORK IN THIS BUILDING.

S W E N PROJECT NORTH

1 LB-3-02DL BUILDING 3 SECOND FLOOR PLUMBING DEAD LEG PLAN
SCALE: 1/4"=1'-0"

Revisions	Date

Project Lead

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Professional Seal

REGISTERED PROFESSIONAL DALE ENGLEHART ENGINEER No. PE045146

Drawing Title
BUILDING 3 SECOND FLOOR PLUMBING DEAD LEG PLAN

Facility Project Name

Project Title
PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

Building Number	Checked	Drawn
3	D.L.E.	D.J.P.

Location
LEBANON, PENNSYLVANIA

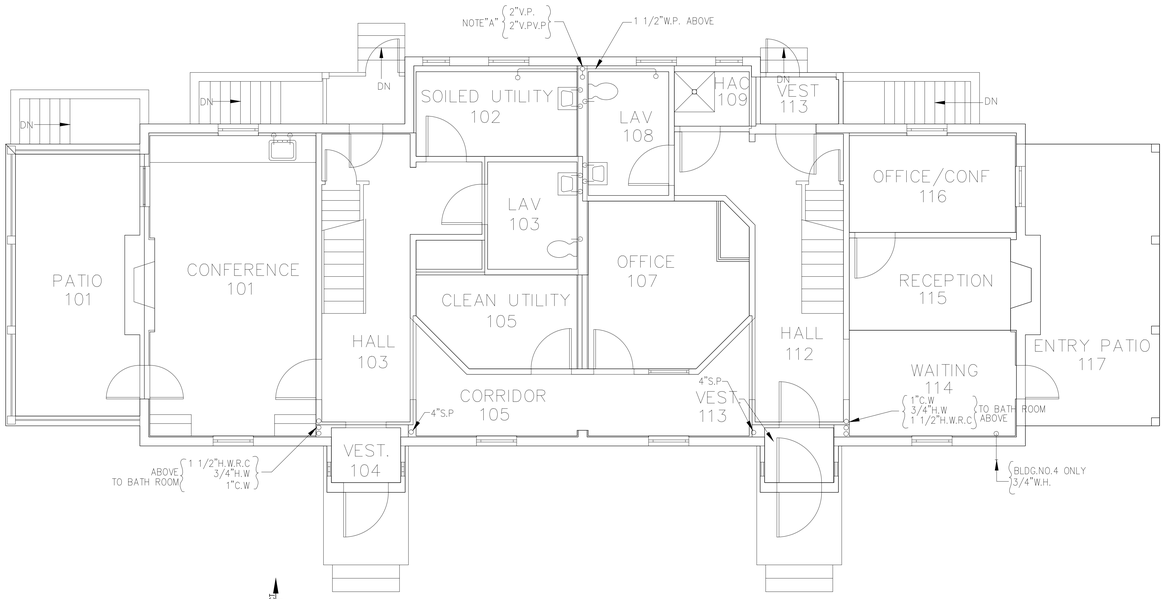
Date 01/27/2015

Project No. 595-14-177

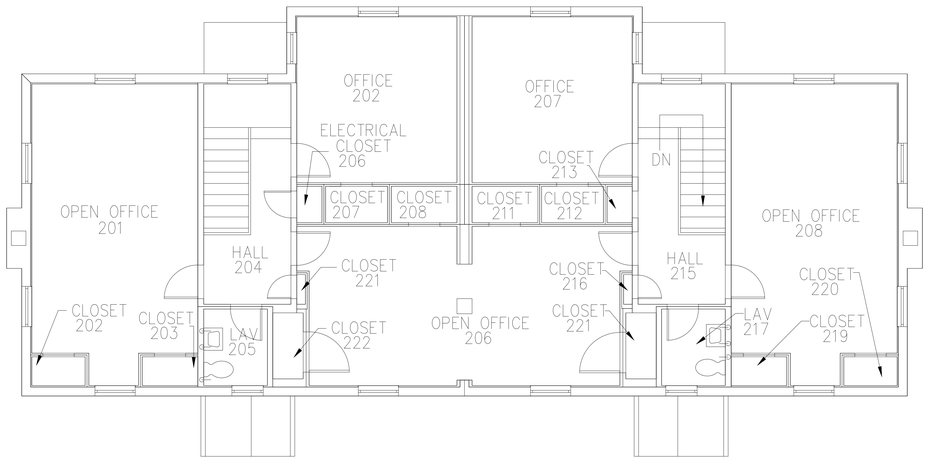
DRAWING NO.
DRAWING
LB-3-02DL
DWG. 25 OF 58

Veterans Affairs

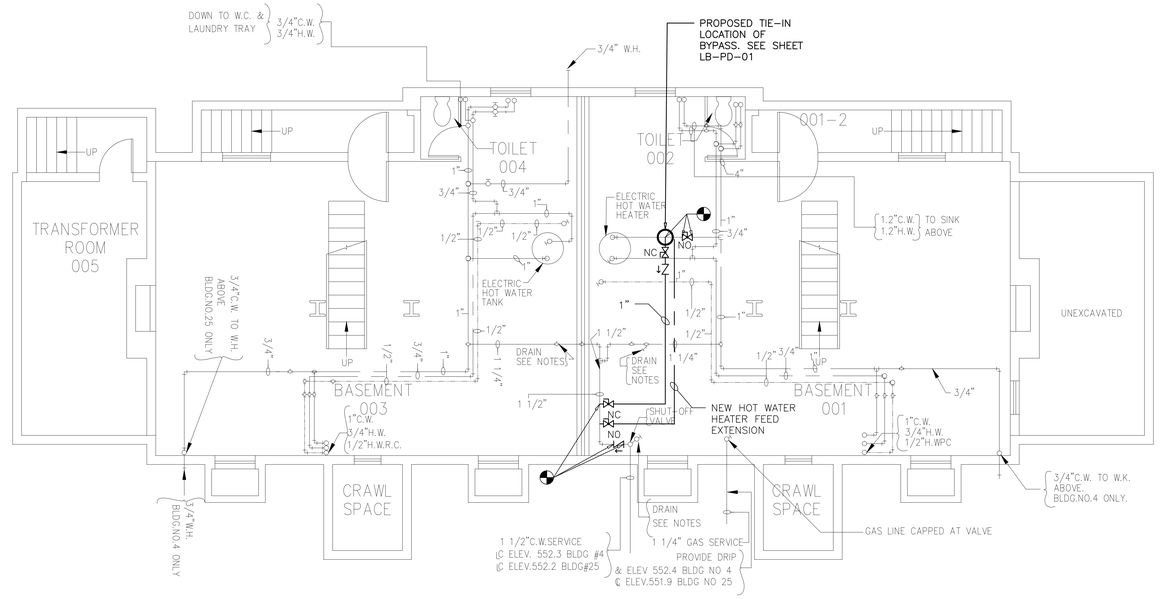
PLUMBING FIELD STUDY KEY SYMBOLS	
XXX-XX-XXX-XXX	DEAD LEG TAG
XXX-XX-XXX-XXX	MIXING VALVE TAG
	REMEDIATE DEAD LEG



2 BUILDING 4 FIRST FLOOR PLUMBING DEAD LEG PLAN
LB-4-0BDL SCALE: 1/4"=1'-0"



1 BUILDING 4 SECOND FLOOR PLUMBING DEAD LEG PLAN
LB-4-0BDL SCALE: 1/4"=1'-0"



3 BUILDING 4 BASEMENT FLOOR PLUMBING DEAD LEG PLAN
LB-4-0BDL SCALE: 1/4"=1'-0"

Revisions	Date

Project Lead
NEI
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Professional Seal
REGISTERED PROFESSIONAL ENGINEER DALE ENGLEHART No. PE045116

Drawing Title
BUILDING 4
PLUMBING DEAD LEG PLAN

Facility Project Name

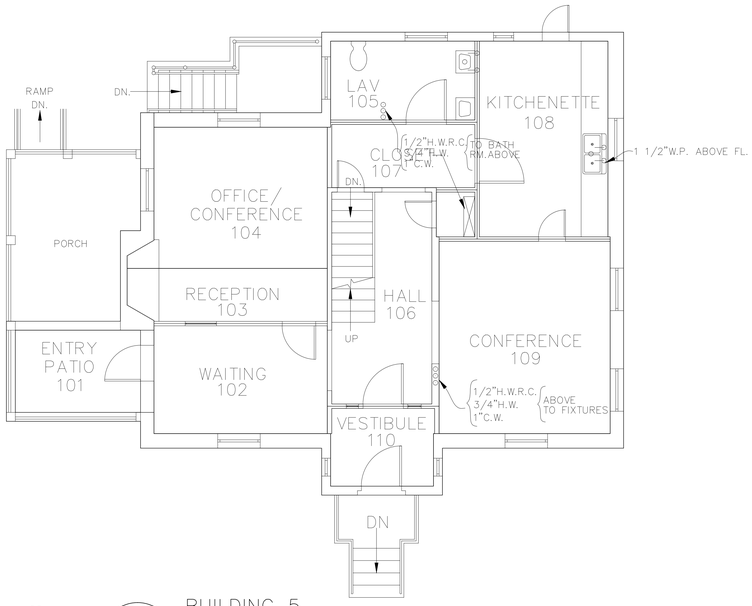
Project Title
PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

Building Number 4
Checked D.L.E.
Drawn D.J.P.
Location LEBANON, PENNSYLVANIA

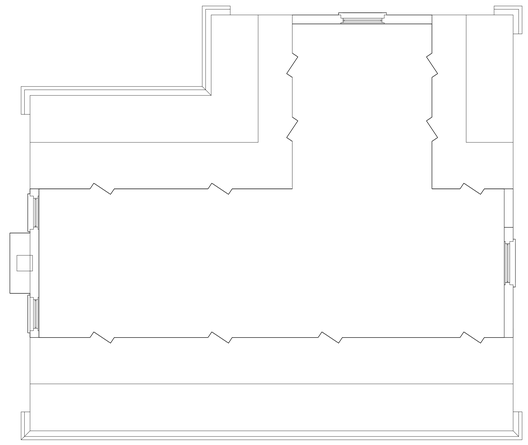
Date 01/27/2015
Project No. 595-14-177
DRAWING NO. DRAWING LB-4-0BDL
DWG. 26 OF 58

Veterans Affairs

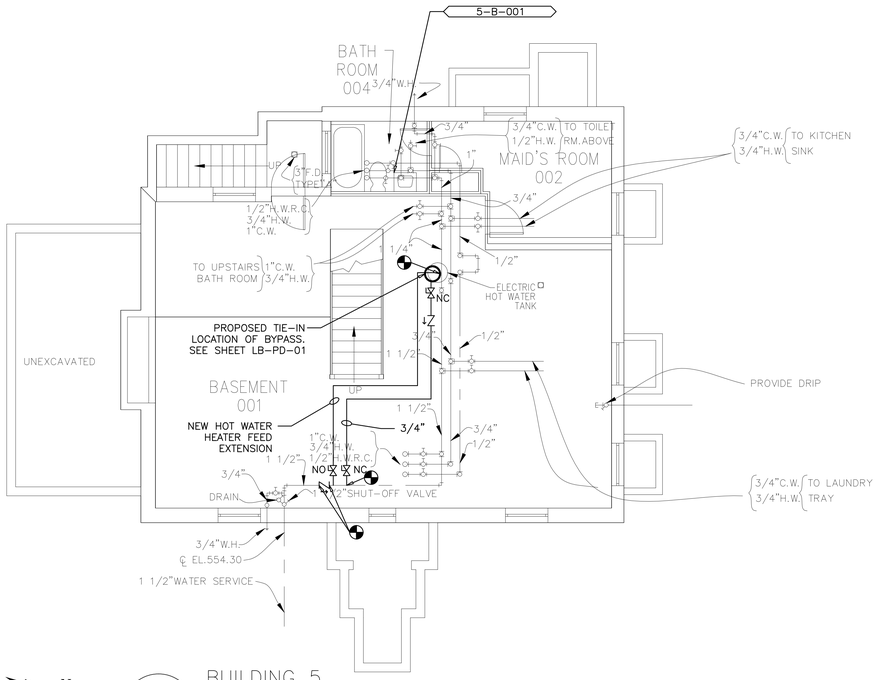
PLUMBING FIELD STUDY KEY SYMBOLS	
XXX-XX-XXX-XXX	DEAD LEG TAG
XXX-XX-XXX-XXX	MIXING VALVE TAG
	REMEDIATE DEAD LEG



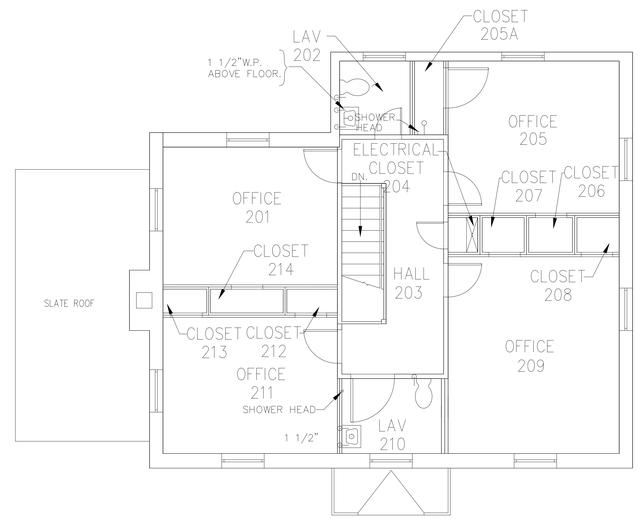
1 BUILDING 5 FIRST FLOOR PLUMBING DEAD LEG PLAN
LB-5-0BDL SCALE: 1/4"=1'-0"



3 BUILDING 5 ATTIC FLOOR PLUMBING DEAD LEG PLAN
LB-5-0BDL SCALE: 1/4"=1'-0"



2 BUILDING 5 BASEMENT FLOOR PLUMBING DEAD LEG PLAN
LB-5-0BDL SCALE: 1/4"=1'-0"



4 BUILDING 5 SECOND FLOOR PLUMBING DEAD LEG PLAN
LB-5-0BDL SCALE: 1/4"=1'-0"

Revisions	Date

Project Lead
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Professional Seal
REGISTERED PROFESSIONAL DALE ENGLEHART ENGINEER No. PE045146

Drawing Title
BUILDING 5
PLUMBING DEAD LEG PLAN

Facility Project Name

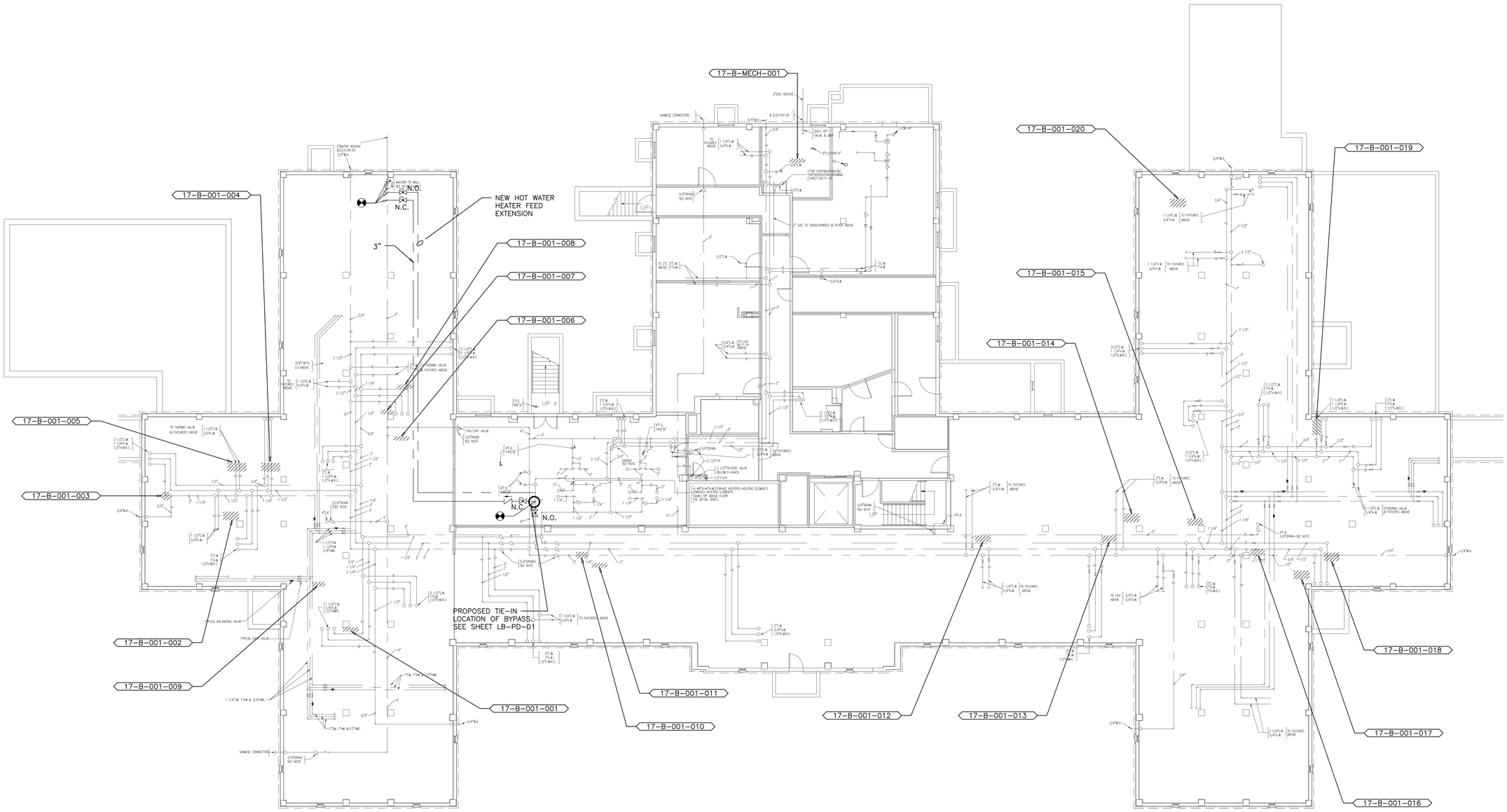
Project Title
PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

Building Number: 5
Checked: D.L.E.
Drawn: D.J.P.
Location: LEBANON, PENNSYLVANIA

Date: 01/27/2015
Project No.: 595-14-177
DRAWING NO. DRAWING LB-5-0BDL
DWG. 27 OF 58

Veterans Affairs

PLUMBING FIELD STUDY KEY SYMBOLS	
XXX-XX-XXX-XXX	DEAD LEG TAG
XXX-XX-XXX-XXX	MIXING VALVE TAG
	REMEDIATE DEAD LEG



1
LB-17-0BDL

BUILDING 17
BASEMENT FLOOR PLUMBING DEAD LEG PLAN
SCALE: 1/8"=1'-0"

Revisions	Date

Project Lead

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Drawing Title
BUILDING 17
BASEMENT FLOOR PLUMBING DEAD LEG PLAN

Facility Project Name

Project Title
PLUMBING DEAD LEG REMOVAL FOR LEBANON VETERANS AFFAIRS MEDICAL CENTER (VAMC)

Building Number	Checked	Drawn
17	D.L.E.	D.J.P.

Location
LEBANON, PENNSYLVANIA

Date
01/27/2015

Project No.
595-14-177

DRAWING NO.
DRAWING
LB-17-0BDL
DWG. 28 OF 58

Veterans Affairs