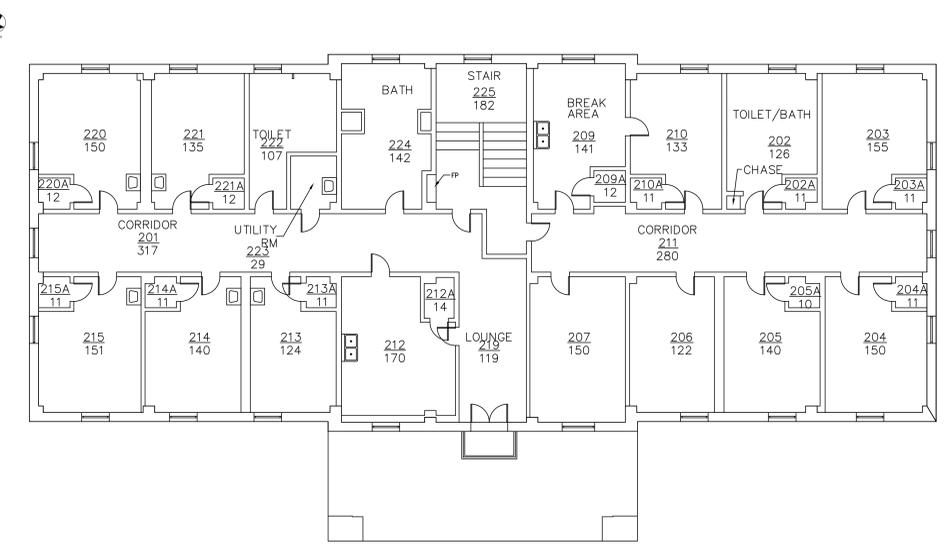


GENERAL ELECTRICAL NOTES:

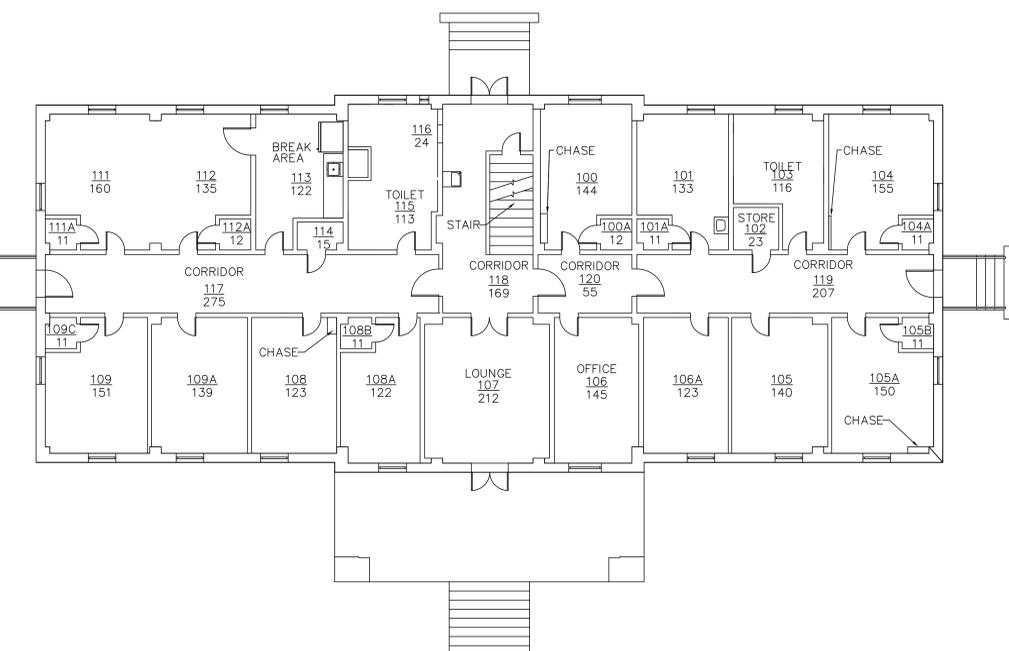
- CONTRACTOR TO PROVIDE NEW RECESSED IN WALL 120 VOLT RECEPTACLES IN NEWLY CONSTRUCTED WALLS. CONTRACTOR CAN FUR ROOM WITH 2-1/2" METAL STUDS AND 1/2" DRYWALL WALL BOARD TO FACILITATE ELECTRICAL CONDUIT AND RECEPTACLE BOX INSTALLATION. CONTRACTOR SHALL HAVE OPTION TO UTILIZE EXISTING CONDUIT TO PULL NEW RUNS OF WIRE OR TO CORE WALLS FOR NEW CONDUIT AND WIRE RUNS CONTRACTOR MAY OPT TO USE ABOVE CEILING SPACE AND/OR A FEW EXISTING CLOSETS FOR CONDUIT RUNS.
- CONTRACTOR TO PROVIDE NEW 2'X4', (1) BALLAST, 110 VOLT, 24 WATT, T-8, LAY-IN, 2-TUBE, FLUORESCENT LIGHT FIXTURE. LENS FOR FLUORESCENT LIGHT SHALL BE .125 THICK ACRYLIC. CONTRACTOR SHALL TIE NEW LIGHTS INTO EXISTING LIGHTING CIRCUITS AND SWITCHING WHEN POSSIBLE. CONTRACTOR SHALL ADHERE TO ALL NEMA AND STATE AND LOCAL ELECTRICAL CODES WHILE PERFORMING ANY ELECTRICAL WORK IN THIS PROJECT. CONTRACTOR SHALL COMPLY WITH ALL ELECTRICAL CODES AND SAFETY REGULATIONS WHEN CONNECTING TO, OR PROVIDING NEW RUNS FROM A SUITABLE POWER SOURCE.
- CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE/REWIRE ALL BUILDING 17 ELECTRICAL WIRING/CONDUIT/RECEPTACLES/LIGHTING CONFORMING TO LOCAL, STATE, NATIONAL AND OSHA ELECTRICAL CODES AND VA ELECTRICAL SPECIFICATIONS.

LEGEND

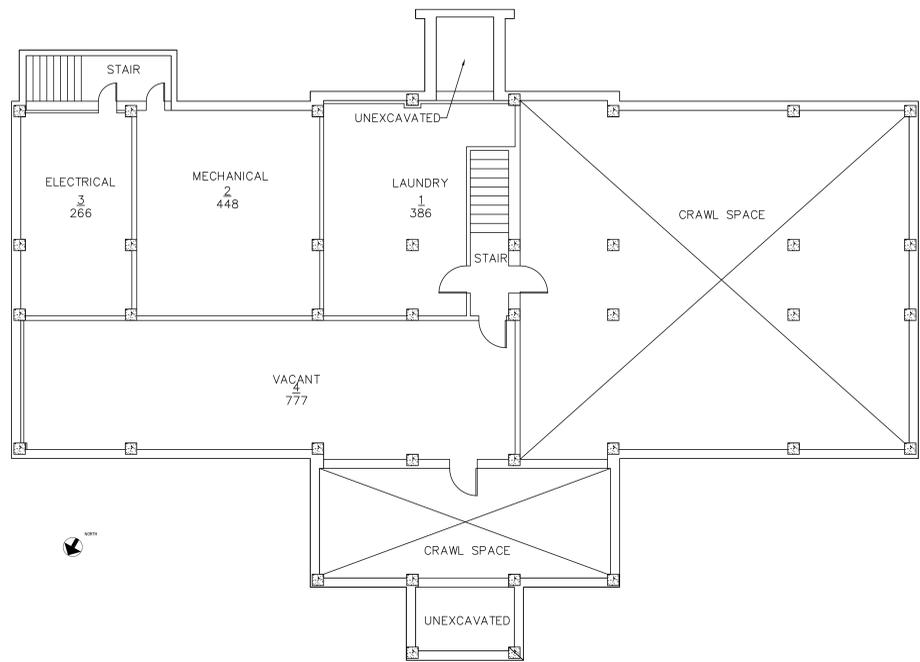
- 111 ROOM NUMBER.
- EXISTING.
- NEW CONSTRUCTION.



BLDG. 17, 2ND FLR., PLAN VIEW
SCALE: 1/8"=1'-0"



BLDG. 17, 1ST FLR., PLAN VIEW
SCALE: 1/8"=1'-0"



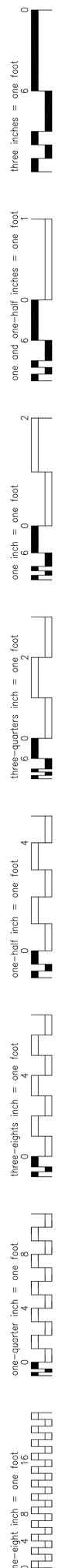
BLDG. 17, BSMT., PLAN VIEW
SCALE: 1/8"=1'-0"

GENERAL ELECTRICAL NOTES:

- GOAL OF ELECTRICAL COMPONENT OF THIS PROJECT IS TO UPGRADE EXISTING ELECTRICAL SERVICE TO BUILDING 17 WHILE MAINTAINING EXISTING RADIAL DISTRIBUTION SERVICE TO ADJOINING BUILDINGS AS REFERENCED HEREIN.
- ELECTRICAL SERVICE UPGRADE SHALL BE COORDINATED TO PROVIDE MINIMAL DISRUPTION TO ELECTRICAL SERVICE IN AFFECTED BUILDINGS. VENDOR TO COORDINATE FINAL TIE-IN WITH COR.
- EXISTING ELECTRICAL SERVICE IS FED BY ONE 150KVA TRANSFORMER (3PH 4160 PRI - 3PH 208 SEC) LOCATED IN AN INTERIOR ELECTRICAL VAULT, BELOW GRADE ON SE CORNER OF BUILDING.
- ELECTRICAL VAULT REFERENCED IN ITEM #2 ALSO CONTAINS DISTRIBUTION PANELS PROVIDING 3PH 208VAC SERVICE TO BUILDING 17 AND RADIALLY DISTRIBUTED 3PH 208VAC SERVICE TO BUILDINGS 25, 19A, 19B AND 18.
- ELECTRICAL SERVICE UPGRADE SHALL CONSIST OF FOLLOWING:
 - VENDOR SHALL LOCATE AND INSTALL ONE PAD-MOUNTED 500KVA TRANSFORMER WITH 3-PHASE 4160 VAC PRIMARY OUTPUTTING 3-PHASE 208 VAC FROM SECONDARY AS INDICATED IN PROVIDED DRAWINGS.
 - MOUNTING PAD, TRANSFORMER CONSTRUCTION AND CONDUIT ENTRANCE/EXIT SHALL COMPLY WITH NFPA/NEC REQUIREMENTS AND VA SPECIFICATION SECTION 26-12-19 AS APPROVED BY CO.
 - SECONDARY OUTPUT CONDUCTORS SHALL EXIT TRANSFORMER HOUSING VIA ONE (1) 4" PVC CONDUIT INSTALLED BELOW GRADE PER NEC AND VA SPECIFICATIONS.
 - SECONDARY CONDUIT AND CONDUCTORS WILL RUN BELOW GRADE TO SE CORNER OF ELECTRICAL VAULT AND ENTER VAULT THROUGH SLEEVED NFPA COMPLIANT FIRE-STOPPED PENETRATION.
- CONDUCTORS SHALL BE 3/0 COPPER (VERIFY PER NEC) AND CONSIST OF THREE INDIVIDUAL LOAD CONDUCTORS, ONE NEUTRAL CONDUCTOR, AND ONE GROUNDING CONDUCTOR.
- EXISTING DISTRIBUTION PANELS SHALL BE USED TO THE EXTENT POSSIBLE. ONE ADDITIONAL PANEL SHALL BE INCORPORATED TO HANDLE FUTURE GUARD HOUSE LOADS (UTILIZES 100 AMP SUB-PANEL), ENTRANCE SIGN, AND OTHER POTENTIAL LOADS. NEW PANEL SHALL BE MINIMUM OF 200 AMPS W/42-CIRCUIT CAPABILITY.

NEW CONSTRUCTION ELECTRICAL

- BASEMENT**
REWIRE OR REPLACE EXISTING PANELS
INSTALL NEW 200 AMP PANEL
REWIRE ALL BASEMENT CIRCUITS AND PROVIDE NEW SWITCHES, OUTLETS, ETC.
- 1ST FLOOR**
OFFICES (INCLUDE OFFICE CLOSETS)
INSTALL AT LEAST 6 DUPLEX OUTLETS PER ROOM (CONDUIT AND BOXES)
INSTALL NEW LAY-IN FLUORESCENT LIGHTS (2X4), 2 PER ROOM
INSTALL DOUBLE SWITCHING TO PROVIDE TWO LIGHT LEVELS PER ROOM
INSTALL QUADRAPLEX BOX IN EACH ROOM FOR COMPUTER AND PHONE
INSTALL SMALL FLUORESCENT AND SWITCH IN EACH REMAINING CLOSET
- CONFERENCE ROOM**
INSTALL AT LEAST 8 DUPLEX OUTLETS IN WALLS
INSTALL NEW LAY-IN FLUORESCENT LIGHTS (2X4), MINIMUM OF 6
INSTALL SWITCHING FOR MULTIPLE LIGHT LEVELS/SPLIT FOR SCREEN VIEWING
INSTALL AT LEAST TWO QUADRAPLEX BOXES FOR COMPUTER AND PHONE
INSTALL SMALL FLUORESCENT AND SWITCH IN STORAGE CLOSET
INSTALL OUTLET FOR PROJECTOR IN CEILING
INSTALL OUTLET FOR TV HIGH IN WALL
INSTALL BOX FOR CABLE
PROVIDE POWER TO PROJECTOR SCREEN
- KITCHEN**
INSTALL MINIMUM OF 8 DUPLEX OUTLETS (CONSIDER MICROWAVE, REFRIGERATOR, OTHER APPLIANCES) GFCI AS NEEDED
INSTALL NEW LAY-IN FLUORESCENT LIGHTS (2X4), 2 TOTAL
- RESTROOMS**
INSTALL AT LEAST TWO DUPLEX OUTLETS AT SINK LOCATIONS AND TWO FOR HOUSEKEEPING
INSTALL NEW LAY-IN FLUORESCENT LIGHTS (2X4), 2 PER ROOM
- COPY ROOM**
INSTALL MINIMUM OF 8 DUPLEX OUTLETS
INSTALL QUADRAPLEX OUTLET FOR COMPUTER
INSTALL NEW LAY-IN FLUORESCENT LIGHTS (2X4), 2 TOTAL
- CORRIDORS**
INSTALL HOUSEKEEPING OUTLETS AT NO MORE THAN 2 FT. SPACING
INSTALL NEW LAY-IN FLUORESCENT LIGHT FIXTURES (2X4)
INSTALL DOUBLE SWITCHING FOR LIGHT FIXTURES
- OTHER ROOMS**
INSTALL FLUORESCENT LIGHTING AS REQUIRED
INSTALL LIGHT SWITCHING
INSTALL AT LEAST TWO DUPLEX OUTLETS PER ROOM, DEPENDING ON ROOM USE
- 2ND FLOOR**
OFFICES (INCLUDE OFFICE CLOSETS)
INSTALL AT LEAST 6 DUPLEX OUTLETS PER ROOM (CONDUIT AND BOXES)
INSTALL NEW LAY-IN FLUORESCENT LIGHTS (2X4), 2 PER ROOM
INSTALL DOUBLE SWITCHING TO PROVIDE TWO LIGHT LEVELS PER ROOM
INSTALL QUADRAPLEX BOX IN EACH ROOM FOR COMPUTER AND PHONE
INSTALL SMALL FLUORESCENT AND SWITCH IN EACH REMAINING CLOSET
- KITCHEN**
INSTALL MINIMUM OF 8 DUPLEX OUTLETS (CONSIDER MICROWAVE, REFRIGERATOR, OTHER APPLIANCES) GFCI AS NEEDED
INSTALL NEW LAY-IN FLUORESCENT LIGHTS (2X4), 2 TOTAL
- RESTROOMS**
INSTALL AT LEAST TWO DUPLEX OUTLETS AT SINK LOCATIONS AND TWO FOR HOUSEKEEPING
INSTALL NEW LAY-IN FLUORESCENT LIGHTS (2X4), 2 PER ROOM
- COPY ROOM**
INSTALL MINIMUM OF 8 DUPLEX OUTLETS
INSTALL QUADRAPLEX OUTLET FOR COMPUTER
INSTALL NEW LAY-IN FLUORESCENT LIGHTS (2X4), 2 TOTAL
- CORRIDORS**
INSTALL HOUSEKEEPING OUTLETS AT NO MORE THAN 12 FT. SPACING
INSTALL NEW LAY-IN FLUORESCENT LIGHT FIXTURES (2X4)
INSTALL DOUBLE SWITCHING FOR LIGHT FIXTURES
- OTHER ROOMS**
INSTALL FLUORESCENT LIGHTING AS REQUIRED
INSTALL LIGHT SWITCHING
INSTALL AT LEAST TWO DUPLEX OUTLETS PER ROOM, DEPENDING ON ROOM USE



Revisions	Date	Approved: Energy Engineer	Approved: Safety Manager	Approved: Service Chief	Drawing Title ELECTRICAL BSMT, 1ST & 2ND FLOORS	Project Title RENOVATE VACANT SPACE FOR RURAL HEALTH PROGRAM	Date 03-16-12	
		Approved: Infection Control Officer	Approved: Chief of Staff	Approved: Chief of Facility Management Svc.	Building Number 17	Checked VGJ	Drawn WBJ	Project No. 658-12-105
		Approved: GEMS Coordinator	Approved: Associate Director	Approved: Medical Center Director	Location V.A.M.C. SALEM 24153	DRAWING NO. E-1		Sheet 10 Of 10

Veterans Affairs