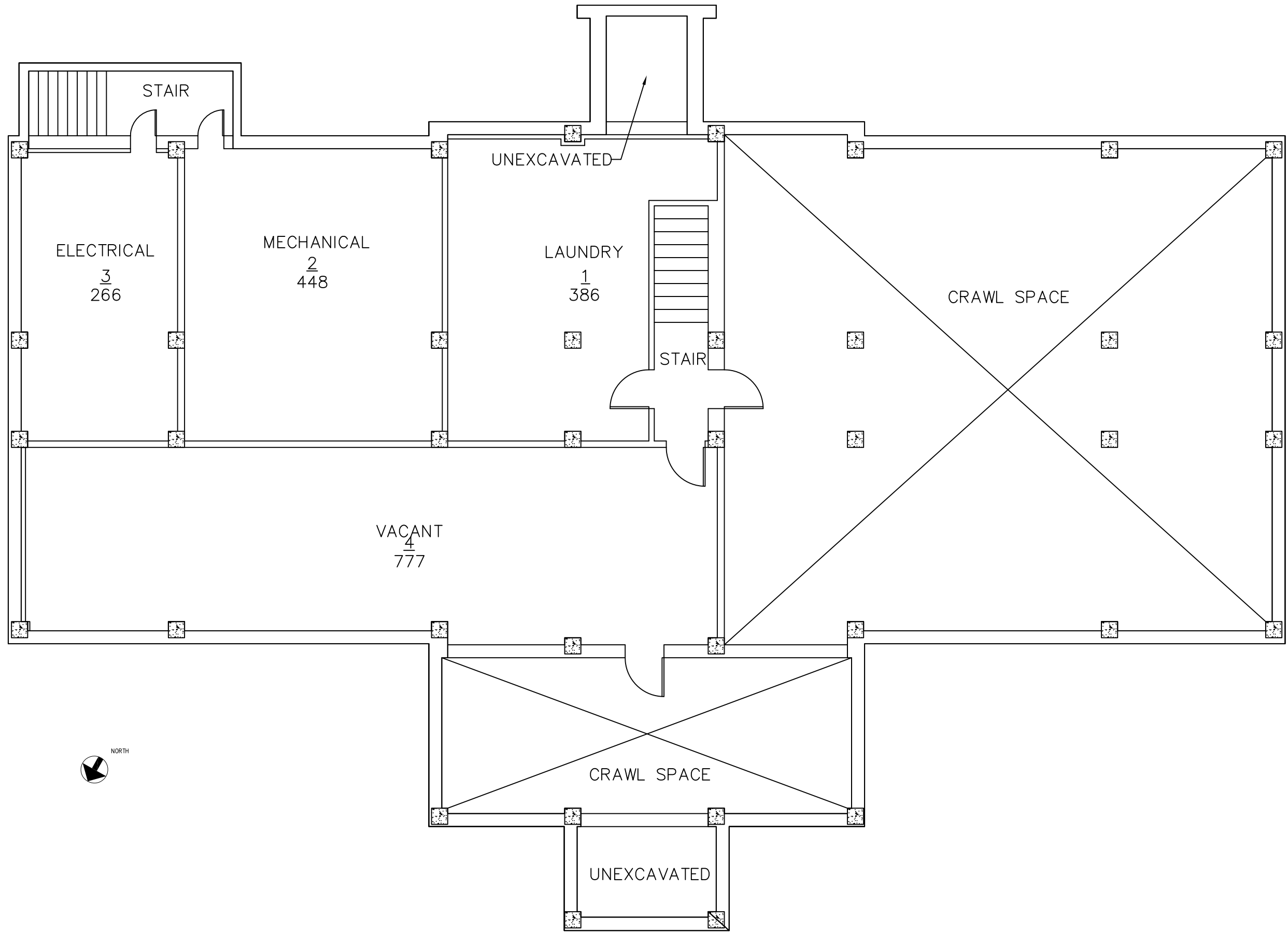


three inches = one foot  
one and one-half inches = one foot  
one inch = one foot  
three-quarters inch = one foot  
one-half inch = one foot  
three-eighths inch = one foot  
one-quarter inch = one foot  
one-eighth inch = one foot

GENERAL ELECTRICAL NOTES:

1. 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.
2. CONTRACTOR TO PROVIDE NEW 2'X4', (1) BALLAST, 110 VOLT, 24 WATT, T-8, LAY-IN, 2-TUBE, FLORESCENT LIGHT FIXTURE. LENS FOR FLORESCENT 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.
3. 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.



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

GENERAL ELECTRICAL NOTES:

1. 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.
2. ELECTRICAL SERVICE UPGRADE SHALL BE COORDINATED TO PROVIDE MINIMAL DISRUPTION TO ELECTRICAL SERVICE IN AFFECTED BUILDINGS. VENDOR TO COORDINATE FINAL TIE-IN WITH COR.
3. 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.
4. 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.
5. ELECTRICAL SERVICE UPGRADE SHALL CONSIST OF FOLLOWING:

a. 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.

b. 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.

c. SECONDARY OUTPUT CONDUCTORS SHALL EXIT TRANSFORMER HOUSING VIA ONE (1) 4" PVC CONDUIT INSTALLED BELOW GRADE PER NEC AND VA SPECIFICATIONS.

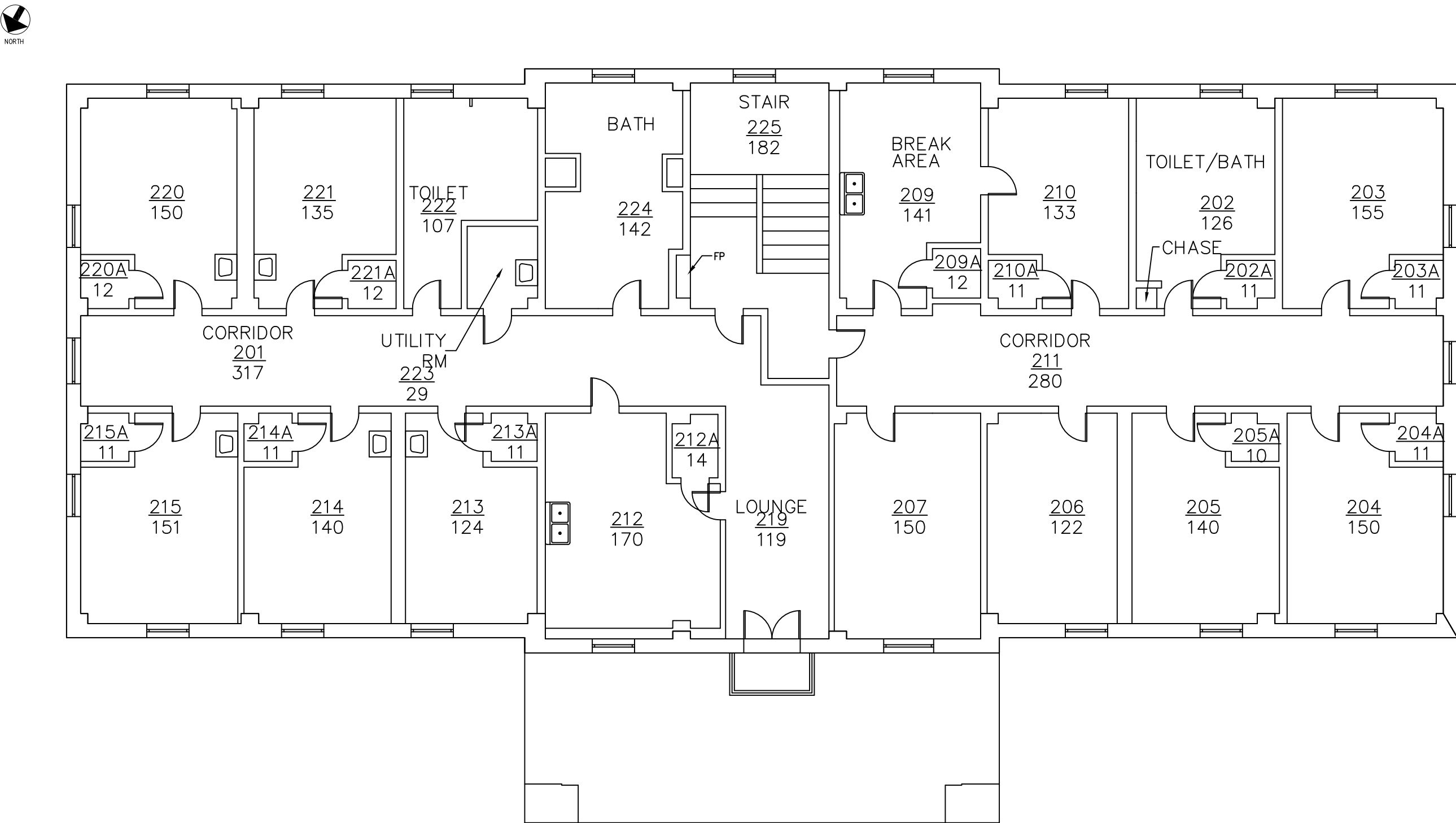
d. SECONDARY CONDUIT AND CONDUCTORS WILL RUN BELOW GRADE TO SE CORNER OF ELECTRICAL VAULT AND ENTER VAULT THROUGH SLEEVED NFPA COMPLIANT FIRE-STOPPED PENETRATION.
6. CONDUCTORS SHALL BE 3/0 COPPER (VERIFY PER NEC) AND CONSIST OF THREE INDIVIDUAL LOAD CONDUCTORS, ONE NEUTRAL CONDUCTOR, AND ONE GROUNDING CONDUCTOR.
7. 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.

LEGEND

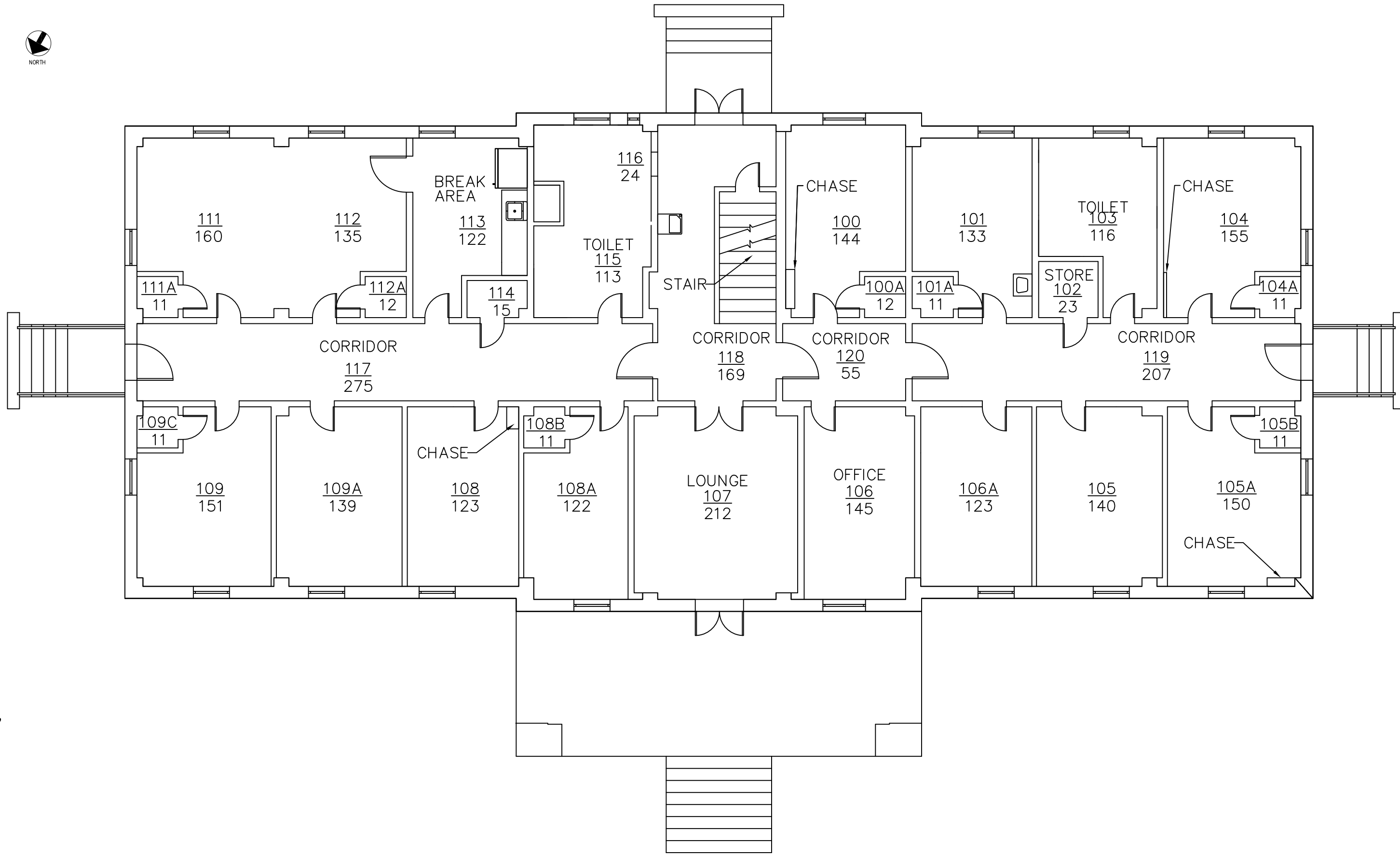
- 111  
125
- EXISTING.
- NEW CONSTRUCTION.

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



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



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

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

Project No.  
658-12-105

Approved: Chief of Facility Management Svc.

Building Number  
17

Checked  
V.G.J

Drawn  
W.B.J

DRAWING NO. E-1

Approved: Medical Center Director

Location  
V.A.M.C. SALEM 24153

Sheet 10 Of 10

Veterans  
Affairs