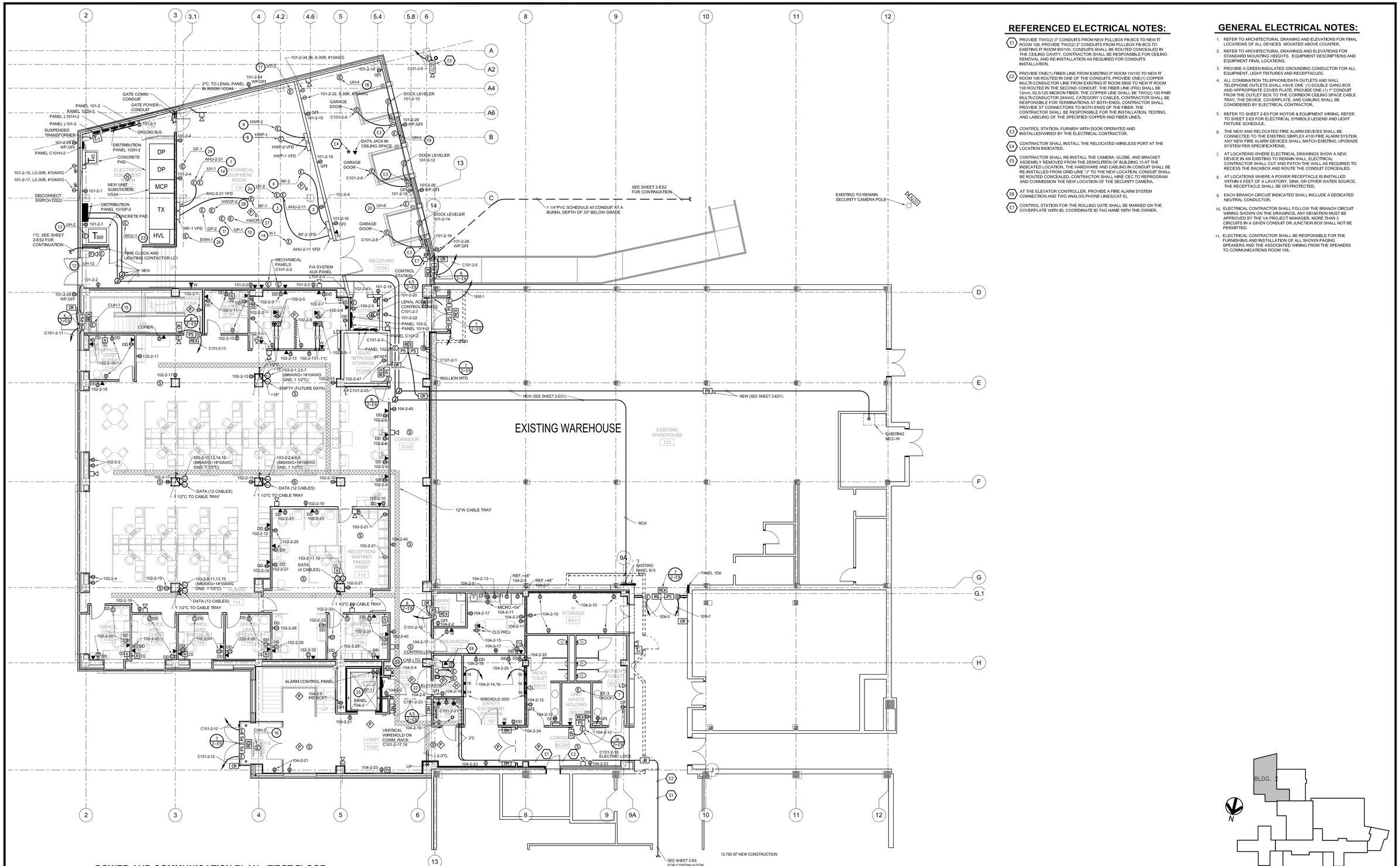


POWER AND COMMUNICATION PLAN - FIRST FLOOR

1/8" = 1'-0"

REFERENCED ELECTRICAL NOTES:

E1 PROVIDE TWO(2) 3" CONDUITS FROM NEW PULLBOX PB-BCS TO NEW IT ROOM 108. PROVIDE TWO(2) 2" CONDUITS FROM PULLBOX PB-BCS TO EXISTING IT ROOM BW100. CONDUITS SHALL BE ROUTED CONCEALED IN THE CEILING CAVITY. CONTRACTOR SHALL BE RESPONSIBLE FOR CEILING REMOVAL AND RE-INSTALLATION AS REQUIRED FOR CONDUITS INSTALLATION.

E2 PROVIDE ONE(1) FIBER LINE FROM EXISTING IT ROOM 1W100 TO NEW IT ROOM 108 ROUTED IN ONE OF THE CONDUITS. PROVIDE ONE(1) COPPER MULTI-CONDUCTOR LINE FROM EXISTING IT ROOM SB06 TO NEW IT ROOM 108 ROUTED IN THE SECOND CONDUIT. THE FIBER LINE (FR2) SHALL BE 12mm, 62.5/125 MICRON FIBER. THE COPPER LINE SHALL BE TWO(2) 100 PAIR MULTI-CONDUCTOR 24AWG, CATEGORY 3 CABLES. CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATIONS AT BOTH ENDS. CONTRACTOR SHALL PROVIDE ST CONNECTORS TO BOTH ENDS OF THE FIBER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION, TESTING, AND LABELING OF THE SPECIFIED COPPER AND FIBER LINES.

E3 CONTROL STATION. FURNISH WITH DOOR OPERATED AND INSTALLED/WIRED BY THE ELECTRICAL CONTRACTOR.

E4 CONTRACTOR SHALL INSTALL THE RELOCATED WIRELESS PORT AT THE LOCATION INDICATED.

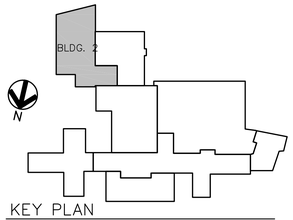
E5 CONTRACTOR SHALL RE-INSTALL THE CAMERA, GLOBE, AND BRACKET ASSEMBLY REMOVED FROM THE DEMOLITION OF BUILDING 15 AT THE INDICATED LOCATION. THE HARDWARE AND CABLING IN CONDUIT SHALL BE RE-INSTALLED FROM GRID-LINE "J" TO THE NEW LOCATION. CONDUIT SHALL BE ROUTED CONCEALED. CONTRACTOR SHALL HIRE CEC TO REPROGRAM AND COMMISSION THE NEW LOCATION OF THE SECURITY CAMERA.

E6 AT THE ELEVATOR CONTROLLER. PROVIDE A FIRE ALARM SYSTEM CONNECTION AND TWO ANALOG PHONE LINES(CAT 6).

E7 CONTROL STATION FOR THE ROLLING GATE SHALL BE MARKED ON THE COVERPLATE WITH ID. COORDINATE ID TAG NAME WITH THE OWNER.

GENERAL ELECTRICAL NOTES:

1. REFER TO ARCHITECTURAL DRAWING AND ELEVATIONS FOR FINAL LOCATIONS OF ALL DEVICES MOUNTED ABOVE COUNTER.
2. REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR STANDARD MOUNTING HEIGHTS. EQUIPMENT DESCRIPTIONS AND EQUIPMENT FINAL LOCATIONS.
3. PROVIDE A GREEN INSULATED GROUNDING CONDUCTOR FOR ALL EQUIPMENT, LIGHT FIXTURES AND RECEPTACLES.
4. ALL COMBINATION TELEPHONE/DATA OUTLETS AND WALL TELEPHONE OUTLETS SHALL HAVE ONE (1) DOUBLE GANG BOX AND APPROPRIATE COVER PLATE, PROVIDE ONE (1) 1" CONDUIT FROM THE OUTLET BOX TO THE CORRIDOR CEILING SPACE CABLE TRAY, THE DEVICE, COVERPLATE, AND CABLING SHALL BE CONSIDERED BY ELECTRICAL CONTRACTOR.
5. REFER TO SHEET 2-E9 FOR MOTOR & EQUIPMENT WIRING. REFER TO SHEET 2-E8 FOR ELECTRICAL SYMBOLS LEGEND AND LIGHT FIXTURE SCHEDULE.
6. THE NEW AND RELOCATED FIRE ALARM DEVICES SHALL BE CONNECTED TO THE EXISTING SIMPLEX 4100 FIRE ALARM SYSTEM. ANY NEW FIRE ALARM DEVICES SHALL MATCH EXISTING. UPGRADE SYSTEM PER SPECIFICATIONS.
7. AT LOCATIONS WHERE ELECTRICAL DRAWINGS SHOW A NEW DEVICE IN AN EXISTING TO REMAIN WALL, ELECTRICAL CONTRACTOR SHALL CUT AND PATCH THE WALL AS REQUIRED TO RECESS THE BACKBOX AND ROUTE THE CONDUIT CONCEALED.
8. AT LOCATIONS WHERE A POWER RECEPTACLE IS INSTALLED WITHIN 6 FEET OF A LAVATORY, SINK, OR OTHER WATER SOURCE, THE RECEPTACLE SHALL BE GFI PROTECTED.
9. EACH BRANCH CIRCUIT INDICATED SHALL INCLUDE A DEDICATED NEUTRAL CONDUCTOR.
10. ELECTRICAL CONTRACTOR SHALL FOLLOW THE BRANCH CIRCUIT WIRING SHOWN ON THE DRAWINGS. ANY DEVIATION MUST BE APPROVED BY THE VA PROJECT MANAGER. MORE THAN 3 CIRCUITS IN A GIVEN CONDUIT OR JUNCTION BOX SHALL NOT BE PERMITTED.
11. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE FURNISHING AND INSTALLATION OF ALL SHOWN PAGING SPEAKERS AND THE ASSOCIATED WIRING FROM THE SPEAKERS TO COMMUNICATIONS ROOM 108.



KEY PLAN
NOT TO SCALE

2-1

Revisions	Date

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Drawing Title: FIRST FLOOR – POWER AND COMMUNICATION PLAN

Project Title: RENOVATE AND EXPAND SPACE FOR PATIENT SUPPORT AREAS

Date: 12-05-2014 CONSTRUCTION DOCUMENTS

Project No. DVA#636-311 S-H#110240-0

Approved: Division Chief

Approved: Service Director

Building Number: 2

Checked

Drawn

Location: IOWA CITY VA HEALTH CARE SYSTEM, IOWA CITY, IOWA

DRAWING NO. 2-E4

Dwg. 8 Of 15

Veterans Administration