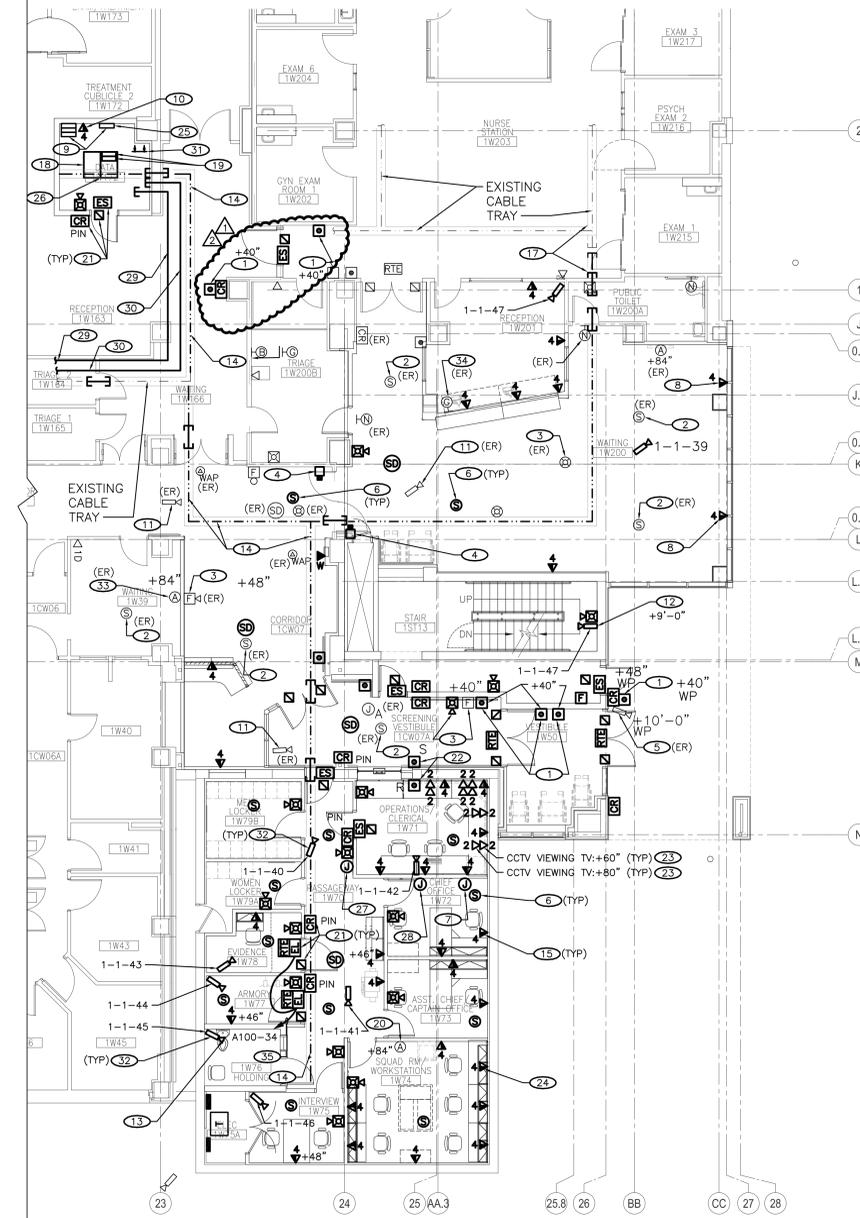


**ELECTRICAL KEYNOTES:** (○)

- ① PROVIDE ALL REQUIRED WIRING TO NEW ADA DOOR OPERATOR, PUSH BUTTONS AND ALL ASSOCIATED DEVICES. SEE EP2-01W FOR ADDITIONAL INFORMATION.
- ② RELOCATED HOSPITAL PAGE SPEAKER MOUNTED TO GRID CEILING. CUT, SPLICE, AND EXTEND CABLING AS REQUIRED.
- ③ RELOCATED FIRE ALARM DEVICE. CUT, SPLICE, AND EXTEND CABLING AS REQUIRED.
- ④ INSTALL NEW MAGNETIC HOLD OPEN. CONNECT TO EXISTING WIRING. CUT, SPLICE, AND EXTEND WIRING AS REQUIRED.
- ⑤ RELOCATED EXTERIOR CCTV CAMERA. ROUTE A CAT 6 CABLE FROM CCTV DEVICE TO CCTV SWITCH IN DATA 1W172.
- ⑥ PROVIDE HOSPITAL PAGING SPEAKER SURFACE MOUNTED TO GRID CEILING AND CONNECT TO NEAREST HOSPITAL PAGING SPEAKER CIRCUIT. PROVIDE ALL REQUIRED WIRING AND CONNECTIONS FOR A COMPLETE AND OPERATIONAL SYSTEM.
- ⑦ PROVIDE 4" SQUARE JUNCTION BOX MOUNTED ABOVE CEILING SPACE AND A 1" CONDUIT ROUTED TO CABLE TRAY FOR FUTURE RADIO ANTENNA. PROVIDE LABEL ON BOX AND CONDUIT END.
- ⑧ ROUTE CONDUIT/CABLING TO DATA/TELEPHONE OUTLET BELOW SLAB THEN UP TO BOX WITHIN 8" HIGH WALL BELOW WINDOWS.
- ⑨ PROVIDE (3) NEW LEVEL ACCESS CONTROL PANELS THAT MATCHES EXISTING LEVEL CONTROL PANELS IN HOSPITAL AND CONNECT CARD READERS TO THIS PANEL. SEE ACCESS CONTROL ONE-LINE DIAGRAM.

- ⑩ PROVIDE A DATA OUTLET ADJACENT NEW LEVEL ACCESS CONTROL PANEL. PROVIDE (4) - CAT 6 CABLE FROM PATCH PANEL IN ROOM FOR NETWORK CONNECTION TO NEW ACCESS CONTROL PANEL.
- ⑪ RELOCATED CCTV CAMERA THAT WAS PREVIOUSLY REMOVED FROM DEMOLISHED WAITING OR CORRIDOR AREA. ROUTE A NEW CAT 6 CABLE TO CCTV SWITCH IN DATA 1W172.
- ⑫ NEW CCTV DEVICE AND CABLING. PROVIDE 4" SQUARE JUNCTION BOX AND 1" CONDUIT TO ABOVE WAITING ROOM ACCESSIBLE CEILING AND A 1" CONDUIT TO CCTV JUNCTION BOX IN FLOORS ABOVE. SEE 2ND, 4TH, 6TH, 8TH, AND 10TH FLOOR SPECIAL SYSTEMS PLANS. CCTV CAMERA, CABLING, TERMINATIONS, & NETWORK CONNECTIONS PROVIDED AND INSTALLED BY 'HAWKEYE VIDEO' AS A PART OF THIS PROJECT. CONNECT TO NEW CCTV NETWORK SWITCH IN DATA 1W172. ROUTE A CAT 6 CABLE FROM CCTV DEVICE TO CCTV SWITCH IN DATA 1W172. SEE VIDEO SURVEILLANCE SPECIFICATION AND CCTV SCHEDULE.
- ⑬ DEVICES IN DETENTION ROOM SHALL BE DETENTION FACILITY RATED.
- ⑭ PROVIDE 12" WIDE X 4" TALL CABLE TRAY ABOVE ACCESSIBLE CEILING SPACES, ADJACENT TO EXISTING CABLE TRAY IN CORRIDOR(S). WHERE WALL PENETRATIONS ARE REQUIRED, PROVIDE THREE (3)-4"x4" EZ PATHS THROUGH RATED WALLS OR (3)-4" CONDUIT SLEEVES THROUGH NON-RATED WALLS. COORDINATE WALL RATINGS WITH ARCHITECTURAL PLANS.
- ⑮ 4" SQUARE JUNCTION BOX WITH CAT 6 FACEPLATE AND A 1" CONDUIT ROUTED TO NEAREST CABLE TRAY. ROUTE (3) CAT 6 DATA CABLES AND (1) CAT 6 VOICE CABLE TO NEW DATA ROOM 1W72 AND TERMINATE ON VOICE AND DATA PATCH PANELS. PROVIDE DATA FACEPLATE. TYPICAL ALL TELECOM DEVICES UNLESS NOTED OTHERWISE. VOICE AND DATA SWITCHES PROVIDED BY VA IT DEPARTMENT. SEE 'VOICE/DATA OUTLET CONNECTIONS DIAGRAM' ON SHEET E3.
- ⑯ THIS NOTE FOR INFORMATION ONLY: DASHED AREA INDICATES EXISTING POLICE STATION AREA. RELOCATED POLICE STATION SECURITY CAMERA RACK AND EQUIPMENT RELOCATION BY HAWKEYE VIDEO, IN A SEPARATE PROJECT OUTSIDE THE SCOPE OF THIS PROJECT.
- ⑰ CONNECT TO EXISTING CABLE TRAY IN PACT ADDITION CORRIDOR.
- ⑱ (2) - 4-POST OPEN FLOOR MOUNTED TELECOM RACKS WITH (6) 48 PORT CAT 6 PATCH PANELS, (2) 48 PORT MULTIMODE, 50 MICRON, FIBER OPTIC PATCH PANELS WITH CABLE MANAGEMENT. COORDINATE ALL EQUIPMENT WITH VA PRIOR TO ORDERING. SEE 'VOICE/DATA OUTLET CONNECTIONS DIAGRAM' ON SHEET E3.
- ⑲ PROVIDE CCTV NETWORK SWITCH AND UPS WITHIN RACK. SEE VIDEO SURVEILLANCE SPECIFICATION.
- ⑳ TV MONITOR USED FOR WEATHER. EXTEND RG-6 COAXIAL CABLE THAT WAS IN MRI WAITING ROOM TO NEW LOCATION INDICATED AS REQUIRED. SPLICED AND EXTENDED CABLE SHALL MATCH EXISTING.
- ㉑ CARD READER WITH PIN, ELECTRIC STRIKE, DOOR MONITOR, &/OR REQUEST TO EXIT. SEE ACCESS CONTROL ONE-LINE DIAGRAM.
- ㉒ ALPHA SECURITY WINDOW SYSTEM SET: 'IM' SERIES OR EQUIVALENT. PROVIDE ALL REQUIRED COMPONENTS FOR A COMPLETE OPERATIONAL SYSTEM. COMPONENTS INCLUDE: MASTER KIT (IMU-100), PROXIMITY SENSOR, CUSTOMER MICROPHONE (IME-150), SECURITY WINDOW DRIVER (AI-100), WIRE (AIPHONE 822202 OR 821802), AND SECURITY DOOR. PROVIDE ALL REQUIRED POWER DEVICES AND CONNECTIONS. CONNECT TO CCTV TV CIRCUIT.
- ㉓ 4" SQUARE BOX WITH CAT 6 FACEPLATE/CONNECTIONS FOR CCTV VIEWING TV VIDEO/DATA CABLES. TYPICAL OF TEN (10) TV LOCATIONS. FROM EACH BOX ROUTE A 1" CONDUIT TO CABLE TRAY. EACH CCTV VIEWING TV DATA BOX SHALL HAVE TWO (2)-CAT 6 CABLES ROUTED TO CCTV SWITCH IN DATA 1W172.
- ㉔ LOCATION OF RELOCATED NATIONAL CRIME INFORMATION SYSTEM 'NCIS' NETWORK COMPUTER. VA TO RELOCATE 'NCIS BLUE BOX' CURRENTLY LOCATED IN EXISTING POLICE STATION AMMO ROOM TO DATA 1W172. PROVIDE 1" INNERDUCT WITH 12 STRAND 50 MICRON MM FIBER (COORDINATE EXACT FIBER TYPE WITH EXISTING FIBER) AND ROUTE FROM EXISTING TELECOMMUNICATIONS ROOM 1W100 TO NEW DATA ROOM 1W172. FIBER TO BE CONNECTED TO 'NCIS BLUE BOX' IN 1W172. ROUTE ONE (1) CAT 6 CABLE FROM DATA 1W172 TO NCIS NETWORK OUTLET. CAT 6 CABLE TO BE CONNECTED TO OUTPUT OF 'NCIS BLUE BOX'. UTILIZE EXISTING & NEW CABLE TRAY FOR ROUTING. PROVIDE EZ PATHS AND CONDUIT SLEEVES THROUGH WALLS AS REQUIRED. RECONNECT EXISTING SEPARATE NATIONAL CRIME INFORMATION SYSTEM 'NCIS' NETWORK CABLING TO RELOCATED 'NCIS' WORKSTATION AS REQUIRED. COORDINATE ALL WORK WITH IRM, POLICE, AND VA.
- ㉕ LOCATION OF RELOCATED 'NCIS BLUE BOX'. RELOCATION BY OWNER. COORDINATE LOCATION WITH VA.
- ㉖ PROVIDE NEW 1500VA UPS FOR VA PROVIDED FIBER AND COPPER SWITCHES. LOCATE UPS AS DIRECTED BY VA IT DEPARTMENT.
- ㉗ RELOCATED AUDIO BURGLAR ALARM. CUT, SPLICE, AND EXTEND WIRING AS REQUIRED.
- ㉘ PROVIDE 4" SQUARE JUNCTION BOX MOUNTED ABOVE CEILING SPACE AND A 1" CONDUIT ROUTED TO CABLE TRAY FOR FUTURE CELL PHONE REPEATER. PROVIDE LABEL ON BOX AND CONDUIT END.
- ㉙ PROVIDE 4"x4" EZ PATH SLEEVES THROUGH WALLS AS REQUIRED FOR 200 PAIR COPPER CABLES FROM TELECOMMUNICATIONS ROOM 1W100 TO NEW TELECOMMUNICATIONS ROOM 1W172. UTILIZE EXISTING CABLE TRAY FOR ROUTING.
- ㉚ PROVIDE TWO (2) - 1" INNERDUCTS, (1) WITH 12 STRAND 50 MICRON FIBER FOR DATA CONNECTIONS AND (1) WITH 12 STRAND 50 MICRON FIBER FOR RELOCATED NCIS SYSTEM CONNECTIONS. ROUTE FROM EXISTING TELECOMMUNICATIONS ROOM 1W100 TO NEW DATA ROOM 1W172. UTILIZE EXISTING CABLE TRAY FOR ROUTING. PROVIDE EZ PATHS AND CONDUIT SLEEVES THROUGH WALLS AS REQUIRED.
- ㉛ TELECOMMUNICATIONS GROUND BAR. SEE THE TELECOMMUNICATIONS GROUND BAR DETAIL. ALSO PROVIDE 3/4" AC GRADE PLYWOOD WITH 2 COATS OF FIRE RETARDANT PAINT ON ALL WALLS.
- ㉜ NEW CCTV DEVICE & CABLING. PROVIDE 4" SQUARE JUNCTION BOX AND 1" CONDUIT TO ABOVE NEAREST ACCESSIBLE CEILING SPACE ADJACENT CABLE TRAY. CCTV CAMERA, CABLING, TERMINATIONS, & NETWORK CONNECTIONS PROVIDED AND INSTALLED BY 'HAWKEYE VIDEO' AS A PART OF THIS PROJECT. CONNECT CAMERA TO NEW CCTV SWITCH IN NEW DATA 1W172. ROUTE A CAT 6 CABLE FROM CCTV DEVICE TO CCTV SWITCH IN DATA 1W172. SEE VIDEO SURVEILLANCE SPECIFICATION AND CCTV SCHEDULE.
- ㉝ RELOCATED WAITING 1W39 COAXIAL CABLE OUTLET AND CABLE. CUT, SPLICE, AND EXTEND CABLE AS REQUIRED. SPLICED AND EXTENDED CABLE SHALL MATCH EXISTING.
- ㉞ INSTALL EXISTING (TAKEN DOWN AND STORED) CODE GREEN DEVICE AND RECONNECT TO EXISTING WIRING. CUT, SPLICE, AND EXTEND WIRING AS REQUIRED.
- ㉟ PROVIDE ALL REQUIRED POWER CONNECTIONS AND DEVICES TO ELECTRIC LOCKS.

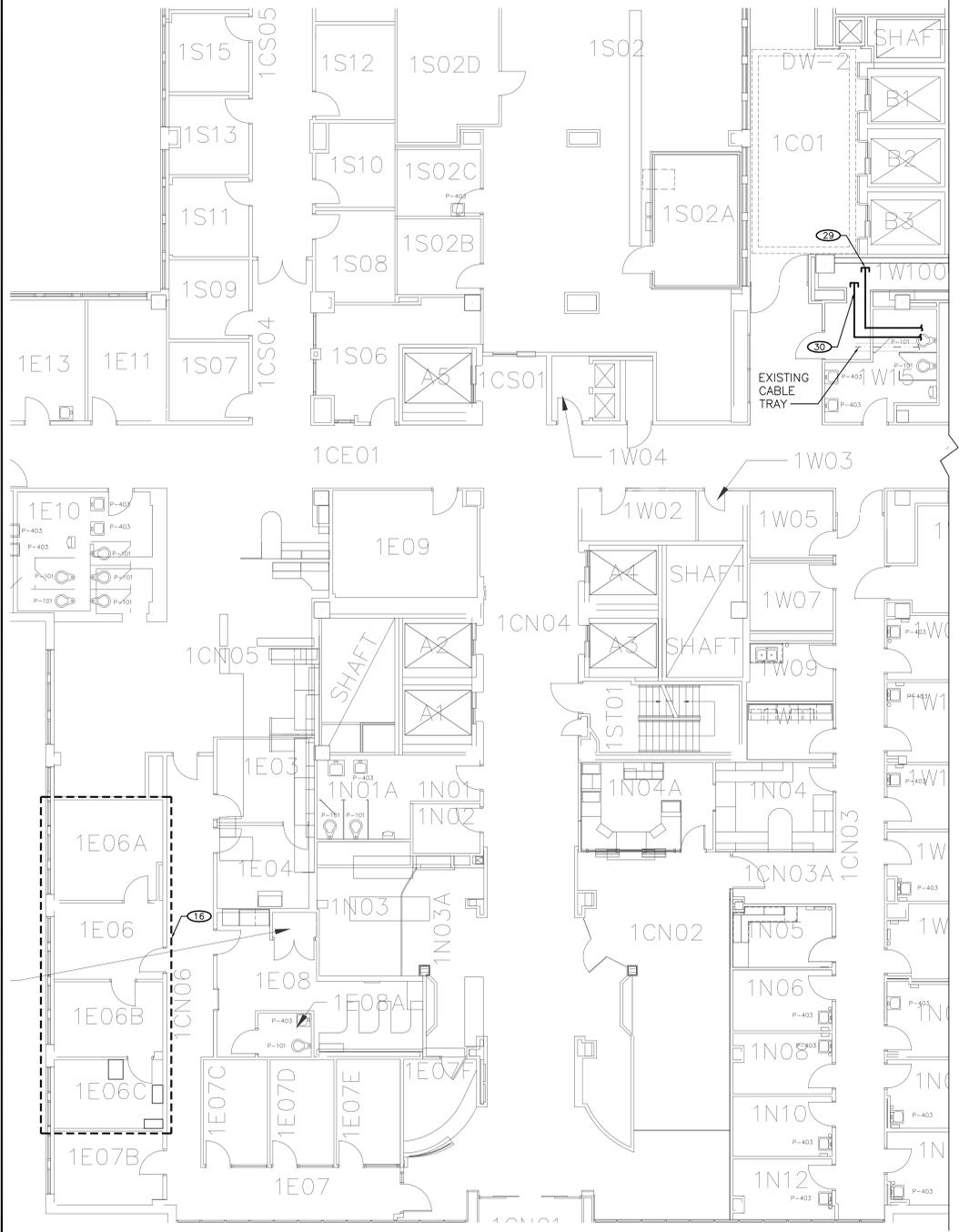
NOTE: NO SURFACE MOUNTED CONDUIT & JUNCTION BOXES ALLOWED, INCLUDING STAIR TOWER.



① SPECIAL SYSTEMS FIRST FLOOR PLAN  
SCALE 1/8" = 1'-0"

100% BID DOCUMENTS - FULLY SPRINKLERED  
Scale: 1/8" = 1'-0"

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



**CONSULTANTS:**

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AE Project # 17-1-005

**Drawing Title**  
SPECIAL SYSTEMS FIRST FLOOR PLAN  
**Approved:** Project Director  
VAPAHCS PLANNING AND ENGINEERING

**Project Title**  
CORRECT LIFE SAFETY DEFICIENCIES  
**Location**  
IOWA CITY VA HEALTH CARE SYSTEM  
**Date**  
19 SEPTEMBER 2017  
**Checked**  
RDM  
**Drawn**  
JAW

**Project Number**  
636A8-16-006  
**Building Number**  
01  
**Drawing Number**  
EY2-01W  
Volume 2 of 2  
Dwg 158 of 176

**Office of Construction and Facilities Management**  
VA U.S. Department of Veterans Affairs

2 - ADDENDUM 00005  
1 - ADDENDUM 00002  
19 APR 2018  
4 APR 2018  
Date