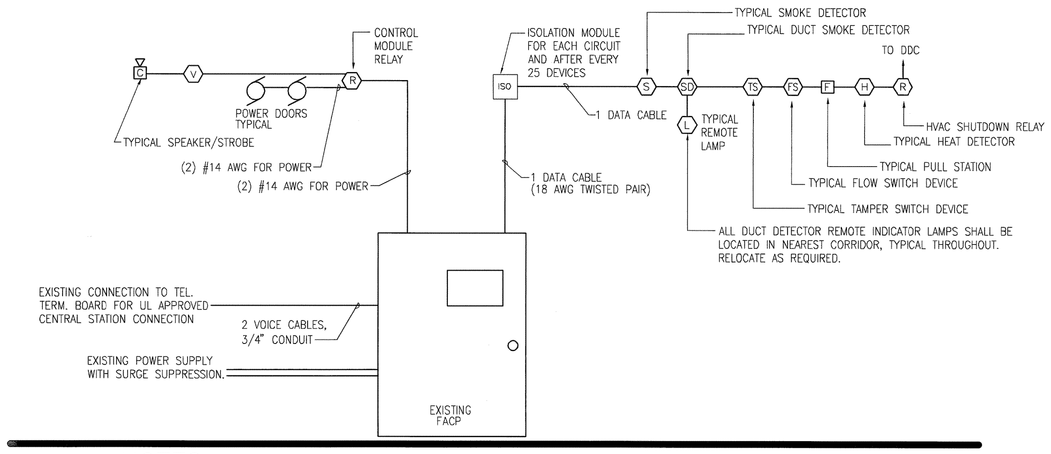


NOTES

1. FIRE ALARM DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH NFPA 72 AND DEPT. OF V.A. FIRE PROTECTION DESIGN MANUAL.
2. EXISTING DEVICES ARE TO BE RE-USED IN NEW LOCATIONS AS INDICATED ON PLANS.
3. VERIFY COMPONENT TYPES AND QUANTITIES TO MATCH EXISTING.
4. ALL FIRE ALARM WIRING TO BE INSTALLED IN RACEWAY.
5. PROVIDE ALL REQUIRED POWER SUPPLIES, BOOSTER PANELS, MODULES, ETC. FOR A COMPLETE OPERATING AND COMPLIANT SYSTEM.

B1 FIRE ALARM RISER DIAGRAM

SCALE: NONE

FIRE ALARM NOTES:

1. THE FIRE ALARM SYSTEM IS EXISTING. COMPLETED REMODEL SHALL PROVIDE A COMPLETE, FUNCTIONAL, FULL SERVICE SYSTEM PROVIDING NEW INITIATING AND NOTIFICATION APPLIANCES, WHICH COMPLIES WITH THE GENERAL REQUIREMENTS DESCRIBED BELOW. WHERE ADDITIONAL DEVICES MAY BE REQUIRED, THESE DEVICES SHALL MATCH AND BE COMPLETELY COMPATIBLE WITH THE EXISTING SYSTEM.
2. ALL WIRING SHALL BE INSTALLED IN CONDUIT. MINIMUM CONDUIT SIZE 3/4". EXISTING RACEWAYS MAY BE REUSED WHERE PRACTICAL. ALL EXISTING RACEWAY BEING REUSED MUST BE COMPLIANT WITH CURRENT CODES AND VA STANDARDS.
3. EXISTING IN-USE TRANSPONDER CABINETS AND ZONE TYPE CONTROL PANELS SHALL REMAIN AS THEY EXIST.
4. UPON COMPLETION, CONTRACTOR SHALL TEST AND INSPECT THE SYSTEM IN ACCORDANCE WITH NFPA 72. SUBMIT BATTERY CALCULATIONS AND VOLTAGE DROP CALCULATIONS TO THE ENGINEER FOR REVIEW. A COMPLETED "RECORD OF COMPLETION" FORM (CHP. 1-7, NFPA 72, 2010), A COPY OF BATTERY CALCULATIONS, AND DEVICE INFORMATION SHEETS SHALL BE SUBMITTED PRIOR TO FINAL INSPECTION.
5. SEE FLOOR PLAN FOR SPECIFIC LOCATIONS OF FIRE ALARM DEVICES.
6. INSTALLATION SHALL MEET REQUIREMENTS OF THE LATEST REVISION OF THE NFPA 72, NFPA 70 (NEC), NFPA 99, NFPA 101.
7. TEMPORARY SMOKE DETECTORS, PULL STATIONS, ETC. SHALL BE INSTALLED BY THE CONTRACTOR AS REQUIRED DURING RENOVATION. ACCESS TO AREAS OF WORK SHALL BE DEFINED BY THE OWNER ON A WEEKLY BASIS AND SHALL BE SUBJECT TO CHANGE.
8. THE FACTORY TRAINED FIRE ALARM INSTALLER SHALL INSTALL, TERMINATE, AND TEST ALL SYSTEM CABLING.
9. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING.
10. THE FIRE ALARM INSTALLER SHALL DEMONSTRATE A RECORD OF EXPERIENCE WITH THE ALTERATION OF THIS BRAND OF FIRE ALARM SYSTEM WITHIN THE PAST FIVE (5) YEARS.
11. ALL DEVICES SHALL BE PERMANENTLY LABELED AND LEGIBLE FROM FLOOR TO INDICATE UNIQUE ADDRESS AND SPECIFIC LOCATION OF DEVICE.
12. PROVIDE U.L. LISTED WEATHERPROOF DUCT DETECTOR COVER OVER DUCT DETECTORS MOUNTED OUTSIDE. SIMPLEX NUMBER 4098-9845.
13. SMOKE DETECTORS ADJACENT TO ELECTRICALLY OPERATED DOORS MUST BE SO PLACED TO BE WITHIN 5 FEET OF DOOR JAMB AND 15 FEET OF FIRE ALARM PULL STATION AT NURSES STATION.

GENERAL SHEET NOTES

A. ANY AND ALL DEVICES BEING ADDED TO THE EXISTING SYSTEMS SHALL BE COMPLETELY COMPATIBLE WITH THAT SPECIFIC SYSTEM.

B. THE CONTRACTOR SHALL DOCUMENT THE CONDITION OF EACH AREA OF WORK IN THE PRESENCE OF THE OWNER AND ENGINEER PRIOR TO START OF RELOCATION OF EXISTING DEVICES IN THAT AREA. ALL CEILING TILES, FLOOR OR WALL FINISHES, ETC DAMAGED DURING SYSTEM REWORK SHALL BE RESTORED TO MATCH ADJACENT SURFACES BY THE INSTALLING CONTRACTOR.

C. UPON COMPLETION, CONTRACTOR SHALL TEST AND INSPECT THE SYSTEM FOR ALL REQUIRED FUNCTIONS AND DEMONSTRATE TO THE OWNER AND THE ENGINEER THAT REQUIRED FUNCTIONS MEET THE NEEDS OF THE OWNER AND VA SPECIFICATION SECTION 27 52 23.

D. COORDINATE WITH ARCHITECTURAL INTERIOR ELEVATIONS FOR EXACT LOCATION AND ELEVATION OF DEVICES.

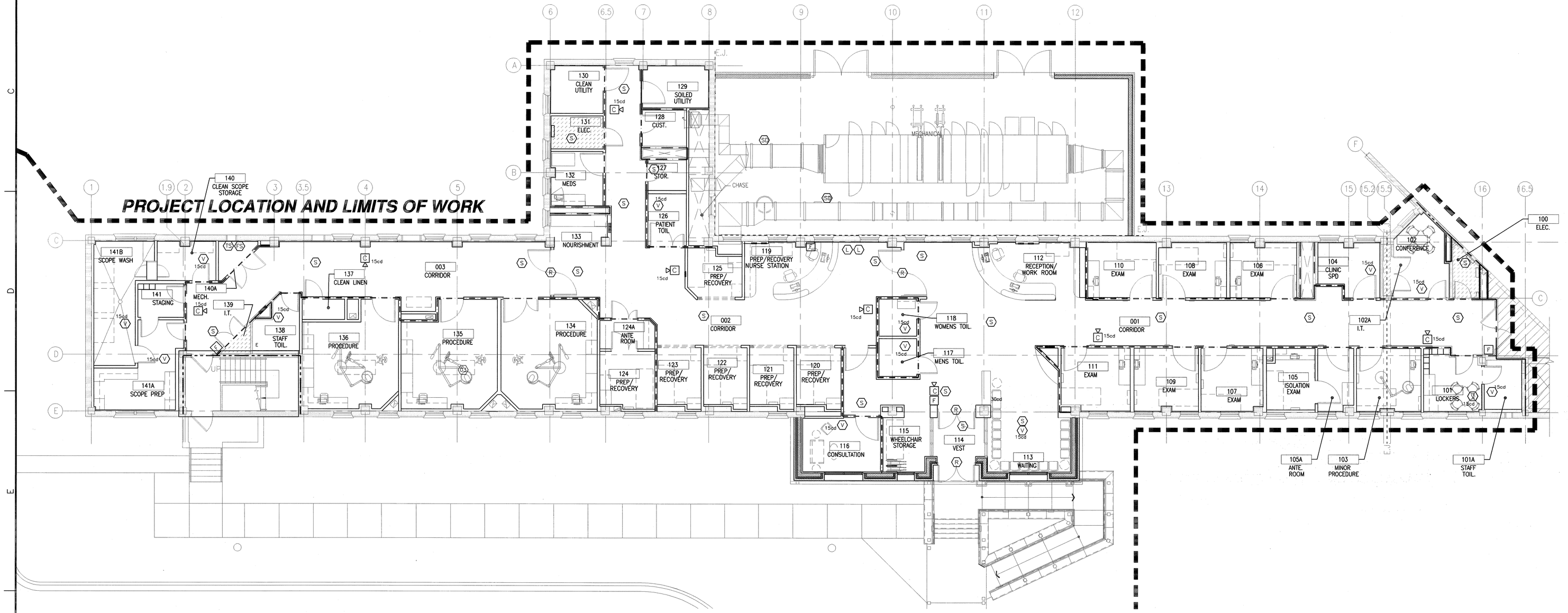
E. NOTE THAT THE SECOND FLOOR OF THIS BUILDING SHALL REMAIN IN OPERATION DURING THIS RENOVATION. CONTRACTOR SHALL COOPERATE FULLY WITH THE ADMINISTRATION IN ORDER TO CAUSE AS LITTLE DISRUPTION AS POSSIBLE TO THE DAILY FUNCTIONING OF THE FACILITY, AND TO MAINTAIN THE COMFORT AND SAFETY OF ALL PERSONNEL AND STAFF.

F. PRIOR TO PROGRAMMING, CONTRACTOR SHALL PROVIDE TO FIRE ALARM VENDOR, THE ACTUAL ROOM NUMBERS PROVIDED BY THE OWNER.

G. DESIGN AND COMPLETE INSTALLATION MUST BE IN ACCORDANCE WITH THE DEPARTMENT OF VETERANS AFFAIRS FIRE ALARM PROTECTION DESIGN MANUAL, FIFTH EDITION, APRIL 2009.

H. FIRE ALARM ZONES SHALL BE COORDINATED WITH SMOKE COMPARTMENTS AND SPRINKLER ZONES.

PROJECT LOCATION AND LIMITS OF WORK



F4 ELECTRICAL FLOOR PLAN – FIRE ALARM

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

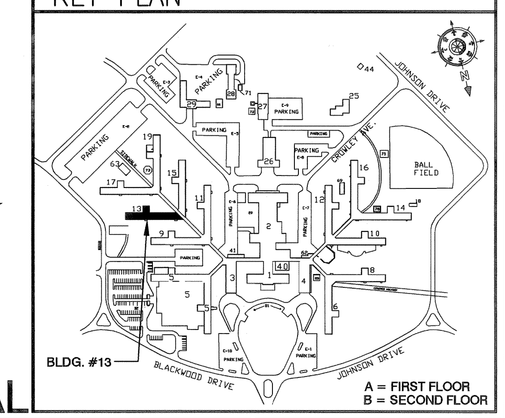
COORDINATION DRAWINGS

THE MECHANICAL CONTRACTOR SHALL TAKE THE LEAD IN PREPARATION OF COORDINATION DRAWINGS. SUCH DRAWINGS SHALL BE ARRANGED AND DESIGNED THROUGH AND FROM COORDINATION WITH ALL OTHER MAJOR AND MINOR SUBCONTRACTORS AND THE GENERAL CONTRACTOR. PROVIDE PLAN VIEWS, SECTIONS AND ELEVATIONS AS REQUIRED TO FULLY COORDINATE ALL NEW WORK WITH ITSELF AND EXISTING CONDITIONS. DRAW TO SCALE (AT NOT LESS THAN 3/8" = 1'-0"). DRAWINGS SHALL SHOW, BUT NOT BE LIMITED TO: ALL WALL RATINGS; ALL DUCTWORK; ALL AIR DISTRIBUTION; MECHANICAL EQUIPMENT; MECHANICAL PIPING; FIRE PROTECTION PIPING; ALL PLUMBING PIPING; CABLE TRAYS (WITH ELEVATIONS NOTED); LIGHTING FIXTURES (WHEN CEILING MOUNTED); CEILING GRID AND CEILING HEIGHT; MAJOR BEAMS AND JOISTS (WITH ELEVATIONS MARKED); FIRE ALARM DEVICES AND SPEAKERS (WHERE CEILING MOUNTED); ELECTRICAL CONDUITS LARGER THAN 2-INCH DIAMETER; ELECTRICAL BUSWAY AND REQUIRED CLEARANCES; EQUIPMENT PROVIDED BY OTHERS THAT PROTRUDE INTO CEILING CAVITIES OR IMPEDE THE LOCATION OR ACCESS TO ABOVE CEILING PIPING, DUCTWORK OF OTHER EQUIPMENT. SECTIONS SHALL BE CUT THROUGH AREAS SHOWING MATERIALS AND SYSTEMS OF ALL CONTRACTS. IF THERE ARE ANY OUTSTANDING ISSUES THAT CANNOT BE RESOLVED, CONSULT WITH THE ARCHITECT AND/OR ENGINEER (THROUGH THE VA COTR) FOR GUIDANCE AND MAKE CORRECTIONS IN ACCORDANCE WITH DIRECTIONS GIVEN. IT IS IMPORTANT TO NOTE THAT FABRICATION CANNOT BEGIN UNTIL COORDINATION DRAWINGS HAVE BEEN APPROVED. ANY MATERIAL, EQUIPMENT, SYSTEMS, ETC., PROCUREMENT OR INSTALLATION COMMENCED PRIOR TO APPROVAL IS TAKEN AT THE CONTRACTORS OWN RISK AND MAY HAVE TO BE MODIFIED, MOVED AND/OR RECONFIGURED AT THE CONTRACTORS COST.

TYPICAL SYMBOLS

- EXISTING WALL, DOOR, WINDOW, MILLWORK, FIXTURE OR OTHER FIXTURE OR ASSEMBLY TO BE REMOVED.
- EXISTING WALL, DOOR, WINDOW, MILLWORK, FIXTURE OR OTHER FIXTURE OR ASSEMBLY TO REMAIN.
- NEW WALL
- SMOKE TIGHT WALL
- 1-HOUR FIRE RATED WALL
- 2-HOUR FIRE RATED WALL
- 1 HOUR FIRE SMOKE RATED WALL
- PROJECT LIMITS OF WORK
- NO PIPING OR DUCTWORK SHALL BE ROUTED THROUGH ELECTRICAL AND/OR DATA ROOMS.

KEY PLAN



A = FIRST FLOOR
B = SECOND FLOOR

100% SUBMITTAL

REVISION NO.	REVISION DESCRIPTION		
Revisions		By	Date

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HSH PROJECT # 10004

Recommended Approvals:	
1. MEDICAL DIRECTOR	6. OPERATIONS SERVICE LINE MANAGER
2. ASSOCIATE DIRECTOR	7. INFECTION CONTROL SAFETY MANAGER
3. CHIEF OF STAFF	8. SAFETY MANAGER
4. ASSOC. DIRECTOR	9. GENERAL ENGINEER
5. SERVICE LINE MGRS.	10. COTR

Drawing Title: ELECTRICAL FLOOR PLAN - FIRE ALARM

FULLY SPRINKLERED

Project Title: RENOVATE 13A FOR ENDOSCOPY SUITE

Drawn | Building Number: 13A | AutoCAD File Name | Checked | Reviewed | Const. Contract No.: - -

Date: June 10, 2011
Project Number: 557-10-108
DRAWING No.: EY-102

Veterans Affairs