GENERAL NOTES

- PROVIDE RACEWAY AND WIRING TO ALL DEVICES, FIXTURES, AND EQUIPMENT INDICATED ON THE CONTRACT DRAWINGS. THE DRAWINGS INDICATE PARTIAL RACEWAY AND WIRING REQUIREMENTS TO HELP CLARIFY DESIGN INTENT. WHERE RACEWAY AND/OR WIRING IS NOT INDICATED FOR DEVICES, FIXTURES, OR EQUIPMENT THE ARRANGEMENT, GROUPING, AND ROUTING SHALL BE PROVIDED IN ACCORDANCE WITH THE 2008 EDITION OF THE NATIONAL ELECTRICAL CODE AND IN ACCORDANCE WITH METHODS OUTLINED IN THE CONTRACT SPECIFICATIONS AND
- RACEWAY LOCATIONS INDICATED ON PLAN ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND INSTALL RACEWAYS ACCORDINGLY. CONCEAL RACEWAY AS MUCH AS POSSIBLE OUT OF FINISHED SPACES. KEEP SURFACE RACEWAY TO A MINIMUM. COORDINATE SURFACE RACEWAY ROUTINGS WITH ENGINEER BEFORE ROUGH-IN.
- 3. ALL PENETRATIONS THROUGH FLOORS, WALLS, AND PARTITIONS SHALL BE PROVIDED IN CONDUIT OR EMT AND SHALL BE 2 HOUR FIRESTOPPED IN ACCORDANCE WITH NFPA 70 (2011 EDITION) AND THE INTERNATIONAL BUILDING CODE (2012 EDITION). FIRESTOP SYSTEMS SHALL HAVE BEEN TESTED TO UL STANDARD 1479 AND BE LISTED IN THE LATEST UL FIRE RESISTANCE DIRECTORY (e.g., SYSTEMS CAJ1235 AND WL1152). SEE PENETRATION FIRESTOP DETAILS 1 AND 2 ON DRAWING E1.1. WHERE A SPECIFIC INSTALLATION DOES NOT MEET THE REQUIREMENTS OF REFERENCED DETAILS. CONTRACTOR SHALL SUBMIT PROPOSED FIRESTOP SYSTEM TO ENGINEER FOR REVIEW.
- 4. RACEWAYS SHALL BE EMT WITH COMPRESSION TYPE FITTINGS UNLESS NOTED OR DETAILED OTHERWISE. SET-SCREW AND/OR INDENTOR TYPE FITTINGS SHALL NOT
- 5. CORE DRILL FLOORS/CEILINGS IN BUILDINGS AS REQUIRED TO INSTALL VERTICAL RACEWAYS. THE CONTRACTOR SHALL PROCURE THE SERVICES OF AN X-RAY TESTING COMPANY TO X-RAY AREAS WHERE CORE DRILLING IS REQUIRED. THE CONTRACTOR SHALL ONLY CORE DRILL IN AREAS OF FLOOR SLABS WHERE DAMAGE WILL NOT OCCUR TO EXISTING RACEWAYS AND/OR STRUCTURAL STEEL. THE CONTRACTOR SHALL USE A DRY DRILLING METHOD/BIT.
- 6. ONLY RACEWAYS AND WIRING THAT SPECIFICALLY SERVE DEVICES AND/OR EQUIPMENT LOCATED IN A STAIRWELL MAY BE INSTALLED IN THE STAIRWELL AS REQUIRED PER THE INTERNATIONAL BUILDING CODE (2012 EDITION).
- 7. INSTALL ELECTRICAL SYSTEMS WITHOUT INTERFERING WITH DUCTS, PIPES, STRUCTURAL STRUCTURAL MEMBERS, OR OTHER SYSTEMS.
- 8. PROVIDE ADDITIONAL SUPPORTS FOR CONTROL PANELS, RACEWAYS, AND OTHER EQUIPMENT WHEREVER THE BUILDING STRUCTURE IS NOT SUITABLE FOR DIRECT
- 9. PROVIDE ACCESS DOORS WHERE REQUIRED TO PROVIDE ACCESS TO CONCEALED PULL AND JUNCTION BOXES.
- 10. INSTALL FIRE ALARM SYSTEM DEVICES AS INDICATED IN INSTALLATION DETAILS SHOWN ON DRAWING E1.2, AS APPLICABLE. WHERE DEVICE INSTALLATIONS ARE NOT APPLICABLE TO THESE DETAILS, THE CONTRACTOR SHALL INSTALL DEVICES USING MANUFACTURER'S RECOMMENDATIONS AND INDUSTRY STANDARDS IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE 2011.
- 11. EQUIPMENT AND DEVICE LOCATIONS INDICATED ON PLAN ARE APPROXIMATE. THE CONTRACTOR SHALL LOCATE EQUIPMENT AND DEVICES SO AS NOT TO CONFLICT WITH EXISTING CEILING AND WALL MOUNTED EQUIPMENT, FIXTURES, AND DEVICES. THE CONTRACTOR SHALL MAINTAIN U.L. LISTED SPACINGS FOR DEVICES WHEN DETERMINING THEIR EXACT MOUNTING LOCATION.
- 12. PROVIDE ACCESS DOORS WHERE REQUIRED TO CONCEAL RACEWAYS ABOVE NON-ACCESSIBLE CEILINGS AND WHERE REQUIRED TO PROVIDE ACCESS TO CONCEALED PULL AND JUNCTION BOXES.
- 13. PAINTING: WHERE RACEWAYS ARE INDICATED TO BE PAINTED, THE CONTRACTOR SHALL PAINT RACEWAYS WITH A PREMIUM-GRADE PAINT (PITTSBURGH, DEVOE OR EQUAL), COLOR TO MATCH EXISTING WALL AND/OR CEILING FINISH. APPLY THREE COATS MINIMUM UNLESS PRIOR APPROVED BY THE ARCHITECT/ENGINEER.
- 14. SPLICING: CONNECT CONDUCTORS ASSOCIATED WITH THE FIRE ALARM SYSTEM THAT ARE TERMINATED, SPLICED, OR INTERRUPTED TO TERMINAL BLOCKS. MARK EACH TERMINAL IN ACCORDANCE WITH THE WIRING DIAGRAMS OF THE SYSTEM. MAKE ALL CONNECTIONS WITH APPROVED CRIMP-ON TERMINAL SPADE LUGS, PRESSURE-TYPE TERMINAL BLOCKS, OR PLUG CONNECTORS. SOLDER AND/OR WIRE NUTS SHALL NOT BE USED.
- 15. CABLE TAPS: CABLE TAPS WILL ONLY BE ALLOWED IN ADDRESSABLE TYPE SIGNALING LINE CIRCUITS; CABLE TAPS SHALL NOT BE PROVIDED IN HARDWIRE TYPE INITIATING DEVICE CIRCUITS AND NOTIFICATION APPLIANCE CIRCUITS. MOST NOTIFICATION APPLIANCES HAVE BOTH INCOMING AND OUTGOING CONNECTION TERMINALS - WITH PROPER PLANNING THERE SHOULD BE NO NEED TO TAP A NOTIFICATION APPLIANCE CIRCUIT. USE NUMBERED TERMINAL STRIPS IN JUNCTION, PULL OR OUTLET BOXES, CABINETS AND/OR EQUIPMENT ENCLOSURES WHERE ANY CIRCUIT TAP IS MADE. SOLDER AND/OR WIRE NUTS SHALL NOT BE USED.
- 16. CUTTING, DRILLING, AND PATCHING: PROVIDE CHASES, SLOTS, AND OPENINGS IN EXISTING BUILDING COMPONENTS TO ALLOW FOR ELECTRICAL INSTALLATIONS. PERFORM CUTTING, DRILLING, FITTING, AND PATCHING REQUIRED TO:
- A) INSTALL EQUIPMENT, MATERIALS, AND RACEWAYS IN EXISTING STRUCTURES.
- B) REMOVE AND REPLACE DEFECTIVE WORK THAT DOES NOT CONFORM TO REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- C) UPON WRITTEN INSTRUCTIONS FROM THE ARCHITECT/ENGINEER, UNCOVER AND RESTORE WORK TO PROVIDE FOR ARCHITECT/ENGINEER OBSERVATION OF CONCEALED WORK.

PROTECT EXISTING STRUCTURES, FURNISHINGS, FINISHES, MECHANICAL SYSTEMS, AND ELECTRICAL SYSTEMS WHILE PERFORMING CUTTING, DRILLING, FITTING, AND PATCHING.

PATCH EXISTING SURFACES AND BUILDING COMPONENTS USING NEW MATERIALS THAT MATCH EXISTING MATERIALS. PATCHING SHALL BE PERFORMED BY EXPERIENCED INSTALLERS.

17. COORDINATE ALL REQUIRED OUTAGES TO EXISTING ELECTRICAL SERVICES AND FIRE ALARM SYSTEM WITH DENNIS GALLAGHER OF USC MAINTENANCE (PHONE NUMBER 917-0340) AND TODD GRIFFIN OF USC HEALTH & SAFETY (PHONE NUMBER 212-8775).

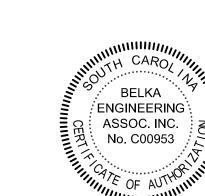
FIRE ALARM SYMBOL LEGEND				
Ф Ф	EXISTING ELECTRICAL PANELBOARD. JUNCTION BOX WITH SCREW COVER. JUNCTION BOX WITH SCREW COVER, WALL MOUNTED.		©	DUCT SMOKE DETECTOR INSTALLED IN EXISTING HVAC DUCT. COORDINATE LOCATIONS WITH EXISTING CONDITIONS. PROVIDE A "CONTROL" TYPE A.I.U. TO SHUTDOWN AIR HANDLING UNIT WHEN A GENERAL ALARM OCCURS — PROVIDE AN ISOLATION RELAY IF CONTACT RATING OF AIU IS NOT PROPERLY RATED TO INTERFACE WITH CONTROL SYSTEM OF AIR HANDLING UNIT. CONTROL WIRING
→	EXISTING COMMUNICATIONS BACKBOARD. RJ-31X PHONE OUTLET (PROVIDE ADI PART NUMBER MO-RJ31X, ADI PHONE NUMBER 1-803-754-9289). MOUNT OUTLETS INSIDE OF FACP CABINET.		ьф	FOR SHUT DOWN OF AIR HANDLING UNIT FAN SHALL BE PROVIDED BY THE DIVISION 16 CONTRACTOR. COMBINATION REMOTE INDICATING LIGHT AND TEST STATION FOR DUCT AND SPOT—TYPE SMOKE DETECTORS, WALL MOUNTED.
AIU	CONTROL PANEL, SURFACE MOUNTED, TYPE AS NOTED ON PLAN. CONTROL PANEL, FLUSH MOUNTED, TYPE AS NOTED ON PLAN. ADDRESSABLE INTERFACE UNIT (AIU). SURFACE MOUNT UNIT IN A NEMA—1 ENCLOSURE WITH SCREW COVER.		V 15cd	VISIBLE—ONLY (STROBE) ALARM UNIT, CEILING MOUNTED. NUMBER INDICATES MINIMUM STROBE CANDELA VALUE. TYPICALLY, MOUNT ALARM UNIT IN ACCORDANCE WITH DETAIL 5 ON SHEET E1.2. ALARM UNITS SHOWN ON PLAN TO BE CONNECTED TO EXPOSED (EXP) EMT/CONDUIT OR WIREMOLD (WM) TYPE RACEWAY SHALL BE SURFACE MOUNTED ON A CUSTOM SURFACE BOX FURNISHED BY THE ALARM UNIT MANUFACTURER.
®	ISOLATION RELAY TO INTERFACE ADDRESSABLE INTERFACE UNIT WITH OTHER CONTROLS. PROVIDE A NEMA 1 ENCLOSURE TO HOUSE RELAY.		H √ 15cd	VISIBLE—ONLY (STROBE) ALARM UNIT, WALL MOUNTED. NUMBER INDICATES MINIMUM STROBE CANDELA VALUE. TYPICALLY, MOUNT ALARM UNIT IN ACCORDANCE WITH DETAIL 6 ON SHEET E1.2. WHERE OBSTRUCTIONS WILL NOT ALLOW FOR THIS, COORDINATE ALTERNATE MOUNTING ARRANGEMENT WITH THE ARCHITECT/ENGINEER. ALARM UNITS SHOWN ON PLAN TO BE CONNECTED TO EXPOSED (EXP) EMT/CONDUIT OR WIREMOLD (WM) TYPE RACEWAY SHALL BE SURFACE MOUNTED ON A CUSTOM SURFACE BOX FURNISHED BY THE ALARM UNIT MANUFACTURER.
F	MANUAL PULL STATION, WALL MOUNTED. TYPICALLY, MOUNT STATION IN ACCORDANCE WITH DETAIL 1 ON SHEET E1.2 UNLESS A SPECIFIC INSTALLATION DETAIL IS CALLED OUT ON PLAN. STATIONS SHOWN ON PLAN TO BE CONNECTED TO EXPOSED (EXP) EMT/CONDUIT OR WIREMOLD (WM) TYPE RACEWAY SHALL BE MOUNTED ON A CUSTOM SURFACE BOX.			
S	SPOT-TYPE SMOKE DETECTOR, CEILING MOUNTED. TYPICALLY, MOUNT DETECTOR IN ACCORDANCE WITH DETAIL 5 ON SHEET E1.2 UNLESS A SPECIFIC INSTALLATION DETAIL IS CALLED OUT ON PLAN. DETECTORS SHOWN ON PLAN TO BE CONNECTED TO EXPOSED (EXP) EMT/CONDUIT OR WIREMOLD (WM) TYPE RACEWAY SHALL BE SURFACE		A	AUDIBLE-ONLY (SPEAKER) ALARM UNIT, CEILING MOUNTED. TYPICALLY, MOUNT ALARM UNIT IN ACCORDANCE WITH DETAIL 5 ON SHEET E1.2. ALARM UNITS SHOWN ON PLAN TO BE CONNECTED TO EXPOSED (EXP) EMT/CONDUIT OR WIREMOLD (WM) TYPE RACEWAY SHALL BE SURFACE MOUNTED ON A CUSTOM SURFACE BOX FURNISHED BY THE ALARM UNIT MANUFACTURER. CONCEAL CONDUIT/BOX IN GRID CEILINGS.
⊬ S>	MOUNTED ON A WIREMOLD #V5737 OR #V5739 BOX. SPOT-TYPE SMOKE DETECTOR, WALL MOUNTED. TYPICALLY, MOUNT DETECTOR IN ACCORDANCE WITH DETAIL 6 ON SHEET E1.2. WHERE OBSTRUCTIONS WILL NOT ALLOW FOR THIS, COORDINATE ALTERNATE MOUNTING ARRANGEMENT WITH THE ARCHITECT/ENGINEER. DETECTORS SHOWN ON PLAN TO BE CONNECTED TO EXPOSED (EXP) EMT/CONDUIT OR WIREMOLD (WM) TYPE RACEWAY SHALL BE SURFACE MOUNTED ON A WIREMOLD #V5737 OR #V5739 BOX.		HA	AUDIBLE—ONLY (SPEAKER) ALARM UNIT, WALL MOUNTED. TYPICALLY, MOUNT ALARM UNIT IN ACCORDANCE WITH DETAIL 6 ON SHEET E1.2. WHERE OBSTRUCTIONS WILL NOT ALLOW FOR THIS, COORDINATE ALTERNATE MOUNTING ARRANGEMENT WITH THE ARCHITECT/ENGINEER. ALARM UNITS SHOWN ON PLAN TO BE CONNECTED TO EXPOSED (EXP) EMT/CONDUIT OR WIREMOLD (WM) TYPE RACEWAY SHALL BE SURFACE MOUNTED ON A CUSTOM SURFACE BOX FURNISHED BY THE ALARM UNIT MANUFACTURER.
H	SPOT-TYPE HEAT DETECTOR, COMBINATION 135-DEGREE FIXED TEMPERATURE AND RATE-OF-RISE, CEILING MOUNTED. TYPICALLY, MOUNT DETECTOR IN ACCORDANCE WITH DETAIL 5 ON SHEET E1.2. UNLESS A SPECIFIC INSTALLATION DETAIL IS CALLED OUT ON PLAN. DETECTORS SHOWN ON PLAN TO BE CONNECTED TO EXPOSED (EXP)		Ā ∕ _V 15cd	COMBINATION AUDIBLE/VISIBLE (SPEAKER/STROBE) ALARM UNIT, CEILING MOUNTED. NUMBER INDICATES MINIMUM STROBE CANDELA VALUE. MOUNT ALARM UNIT IN ACCORDANCE WITH DETAIL 5 ON SHEET E1.2. ALARM UNITS SHOWN ON PLAN TO BE CONNECTED TO EXPOSED (EXP) EMT/CONDUIT OR WIREMOLD (WM) TYPE RACEWAY SHALL BE SURFACE MOUNTED ON A CUSTOM SURFACE BOX FURNISHED BY THE ALARM UNIT MANUFACTURER.
H) 190	EMT/CONDUIT OR WIREMOLD (WM) TYPE RACEWAY SHALL BE SURFACE MOUNTED ON A WIREMOLD #V5737 OR #V5739 BOX. SPOT-TYPE HEAT DETECTOR, SAME AS ABOVE EXCEPT COMBINATION 190-DEGREE FIXED TEMPERATURE AND RATE-OF-RISE. SPOT-TYPE HEAT DETECTOR, COMBINATION 135-DEGREE FIXED TEMPERATURE AND RATE-OF-RISE, WALL MOUNTED. TYPICALLY,		F⊲ 15cd	COMBINATION AUDIBLE/VISIBLE (SPEAKER/STROBE) ALARM UNIT, WALL MOUNTED. NUMBER INDICATES MINIMUM STROBE CANDELA VALUE. TYPICALLY, MOUNT ALARM UNIT IN ACCORDANCE WITH DETAIL 6 ON SHEET E1.2. WHERE OBSTRUCTIONS WILL NOT ALLOW FOR THIS, COORDINATE ALTERNATE MOUNTING ARRANGEMENT WITH THE ARCHITECT/ENGINEER. ALARM UNITS SHOWN ON PLAN TO BE CONNECTED TO EXPOSED (EXP) EMT/CONDUIT OR WIREMOLD (WM) TYPE RACEWAY SHALL BE SURFACE MOUNTED ON A CUSTOM SURFACE BOX FURNISHED BY THE ALARM UNIT MANUFACTURER.
ŀΉ	MOUNT DETECTOR IN ACCORDANCE WITH DETAIL 6 ON SHEET E1.2. WHERE OBSTRUCTIONS WILL NOT ALLOW FOR THIS, COORDINATE ALTERNATE MOUNTING ARRANGEMENT WITH THE ARCHITECT/ENGINEER. DETECTORS SHOWN ON PLAN TO BE CONNECTED TO EXPOSED (EXP) EMT/CONDUIT OR WIREMOLD (WM) TYPE RACEWAY SHALL BE SURFACE MOUNTED ON A WIREMOLD #V5737 OR #V5739 BOX.		(EXP)	EXISTING CEILING TYPE NOTATION ("EXP" = EXPOSED STRUCTURE; "GYP" = GYP BOARD; ALL OTHER UNMARKED SPACES HAVE GRID CEILINGS WITH ACOUSTICAL TILES).

ELECTRICAL ABBREVIATIONS

ABOVE FINISHED FLOOR ABOVE FINISHED GRADE BELOW FINISHED GRADE EXPOSED (CONDUIT OR CEILING) FACP FIRE ALARM CONTROL PANEL GYP GYP BOARD (CEILING) J-BOX JUNCTION BOX NATIONAL ELECTRICAL CODE NEC WIREMOLD SURFACE METAL RACEWAY WEATHERPROOF

ELECTRICAL DRAWING INDEX

FIRE ALARM SYMBOL LEGEND AND SCHEDULES E1.1 FIRE ALARM SINGLE-LINE AND FIRESTOP DETAILS E1.2 FIRE ALARM INSTALLATION DETAILS FIRST FLOOR FIRE ALARM PLAN E2.1 SECOND FLOOR FIRE ALARM PLAN E2.3 THIRD FLOOR FIRE ALARM PLAN E2.4 FOURTH FLOOR FIRE ALARM PLAN E2.5 FIFTH FLOOR FIRE ALARM PLAN



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BEA ENGINEERING ASSOCIATES ASSOCIATES, INC

7 CLUSTERS COURT, SUITE 201 COLUMBIA, SOUTH CAROLINA 29210 (803) 731-0650 fax (803) 731-2880 EMAIL: cestringfield@bellsouth.net

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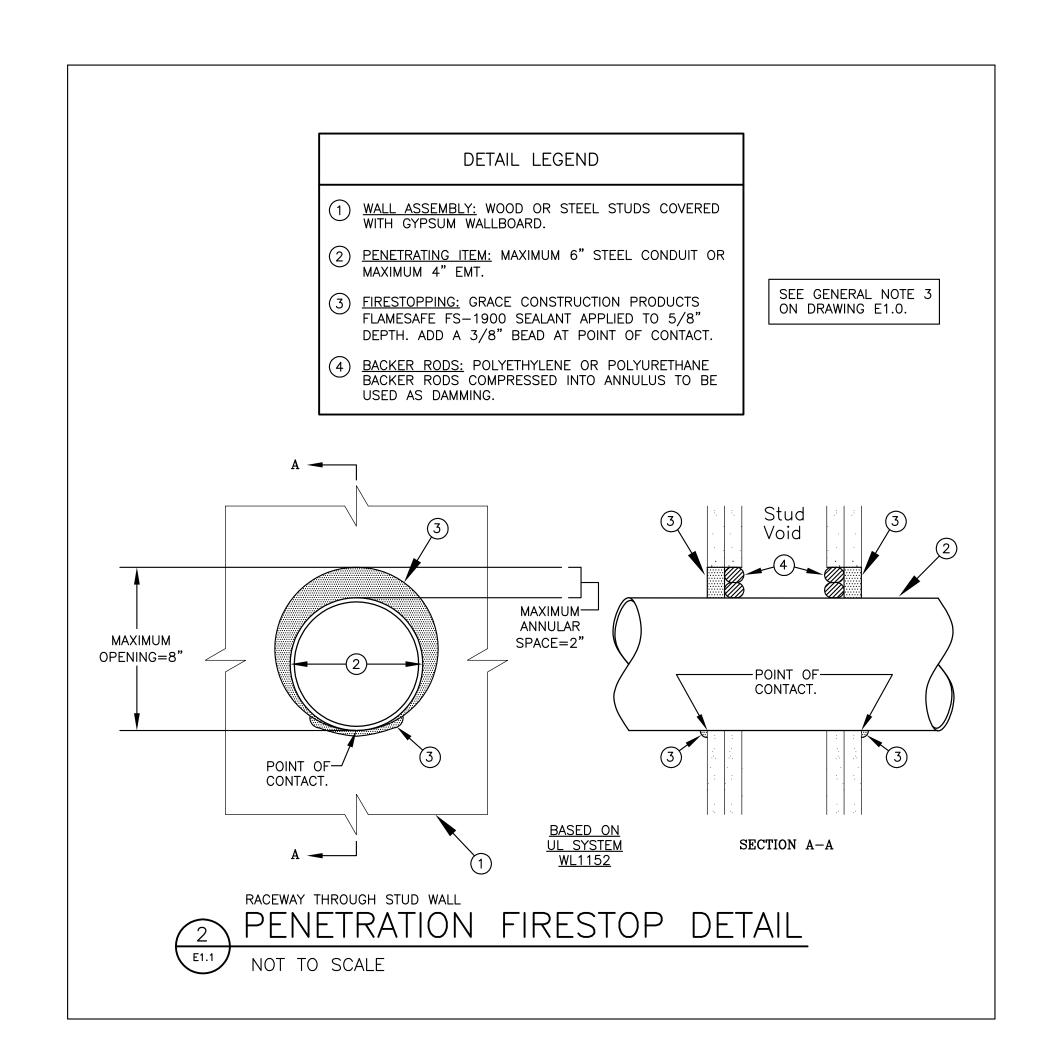
1 **OF** 8

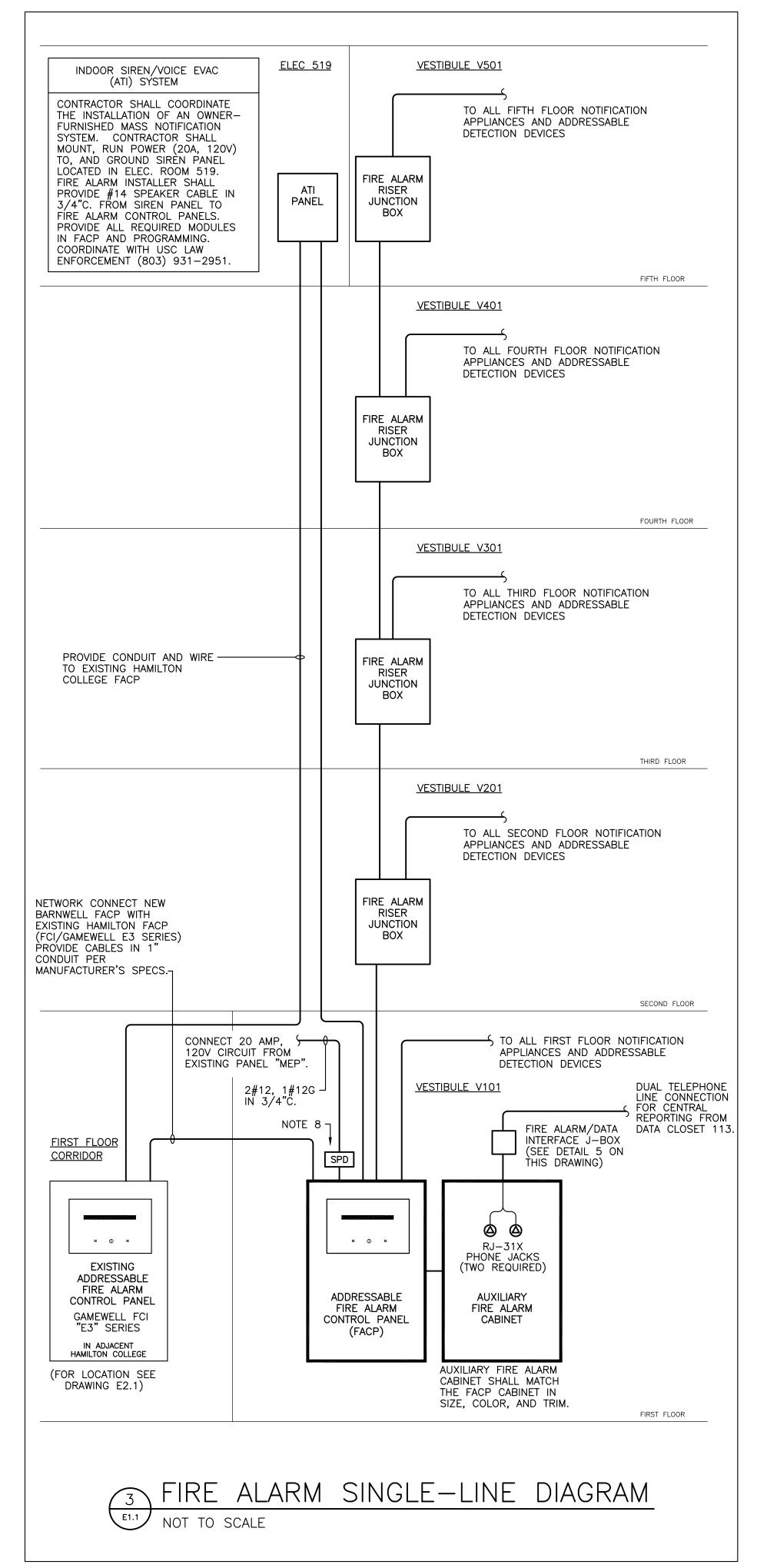
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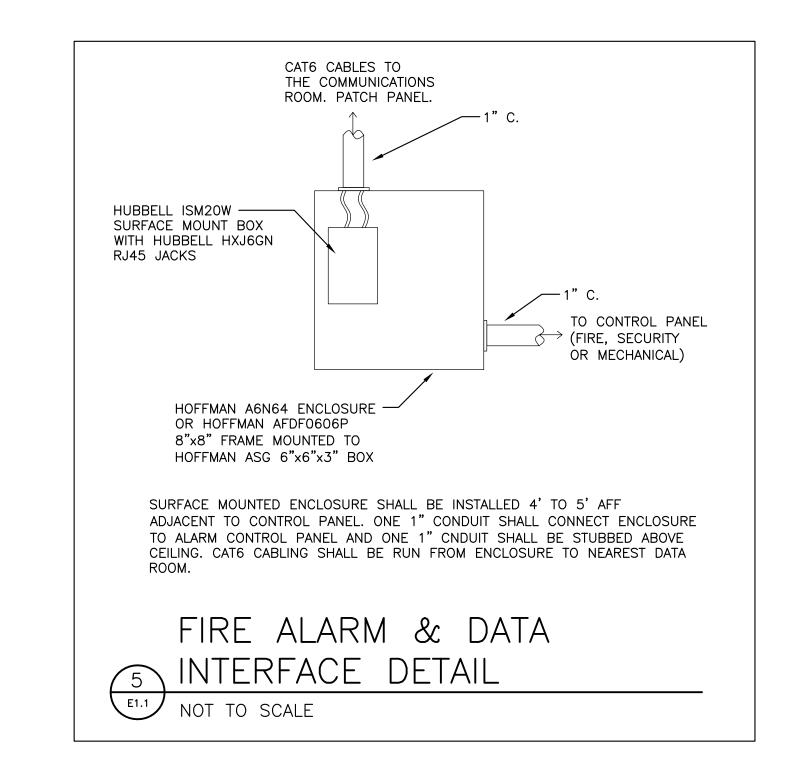
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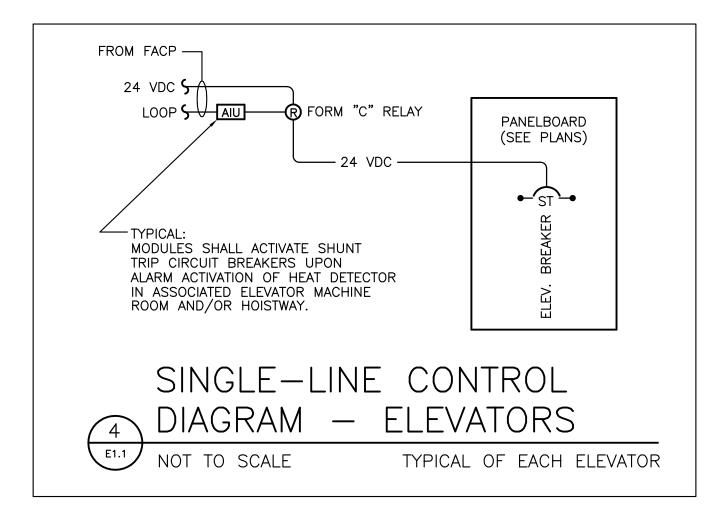


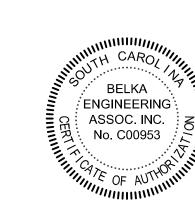


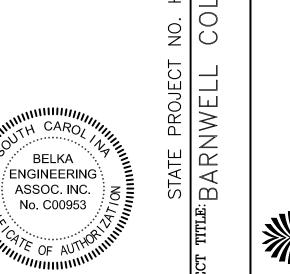
GENERAL FIRE ALARM SYSTEM NOTES

- FURNISH SHOP DRAWINGS FROM THE FIRE ALARM MANUFACTURER INDICATING ALL WIRING FOR DETECTION AND NOTIFICATION CIRCUITS. INCLUDE EQUIPMENT TYPES AND LOCATIONS, RACEWAY SIZES, NUMBER AND TYPES OF WIRES/CABLES, DIAMETERS OF CABLES/WIRES AND COLOR CODING FOR EACH CIRCUIT TYPE. SHOP DRAWINGS SHALL BE PRÓVIDED ON 24" X 36" (D-SIZE) PRINTS.
- 2. ALL STROBES SHALL BE SYNCHRONIZED. ALL AUDIBLE NOTIFICATION DEVICES SHALL BE TEMPORAL CODED AND SHALL BE SYNCHRONIZED. PROVIDE BATTERY CALCULATIONS TO VERIFY THE SECONDARY POWER SUPPLY HAS ADEQUATE CAPACITY IN ACCORDANCE WITH NFPA 72.
- SPLICING: CONNECT CONDUCTORS ASSOCIATED WITH THE FIRE ALARM SYSTEM THAT ARE TERMINATED, SPLICED, OR INTERRUPTED TO TERMINAL BLOCKS. MARK EACH TERMINAL IN ACCORDANCE WITH THE WIRING DIAGRAMS OF THE SYSTEM. MARK ALL CONNECTIONS WITH APPROVED CRIMP-ON TERMINAL SPADE LUGS, PRESSURE-TYPE TERMINAL BLOCKS, OR PLUG CONNECTORS. SOLDER AND/OR WIRE NUTS SHALL NOT BE USED. PROVIDE GREENLITE CABLE ACCESSORY CORPORATION GTB-SERIES, BREAKOFF TYPE TERMINAL BLOCKS OR PRIOR APPROVED EQUAL (PHONE: 626-575-6263).
- 4. PROVIDE THREE SETS OF OPERATION AND MAINTENANCE MANUALS FOR THE FIRE ALARM SYSTEM. PROVIDE A BINDER FOR EACH SET.
- PROVIDE A COMPLETE FIRE ALARM TEST IN ACCORDANCE WITH NFPA 72. ALL SMOKE DETECTORS SHALL BE TESTED WITH AN APPROVED AERASOL SMOKE PRODUCT. FOR DUCT DETECTORS, IN ADDITION TO THE TESTING DESCRIBED ABOVE, TEST DUCT SMOKE DETECTORS THAT USE SAMPLING TUBES TO ENSURE THAT THEY WILL WORK PROPERLY. SAMPLE THE AIRSTREAM IN THE DUCT USING A METHOD ACCEPTABLE TO THE MANUFACTURER OR IN ACCORDANCE WITH THEIR PUBLISHED INSTRUCTIONS. PROVIDE A WRITTEN RECORD OF THE INSPECTIONS, TESTS, AND DETAILED TEST RESULTS IN THE FORM OF A TEST LOG. SUBMIT LOG UPON THE SATISFACTORY COMPLETION OF TESTS.
- 6. PROVIDE 4 HOURS OF TRAINING FOR TROUBLE-SHOOTING AND MAINTENANCE OF THE FIRE ALARM SYSTEM. SCHEDULE TRAINING WITH OWNER.
- PROVIDE FOR THREE SITE VISITS BY A FIRE ALARM SYSTEM TECHNICIAN AFTER PROJECT COMPLETION TO ADJUST AND/OR REPROGRAM THE FIRE ALARM SYSTEM AS REQUESTED
- 8. PROVIDE SURGE PROTECTION DEVICE (SPD) (LIEBERT OR EQUAL) ON PRIMARY POWER CIRCUITS FEEDING ALL FIRE ALARM CONTROL PANELS.









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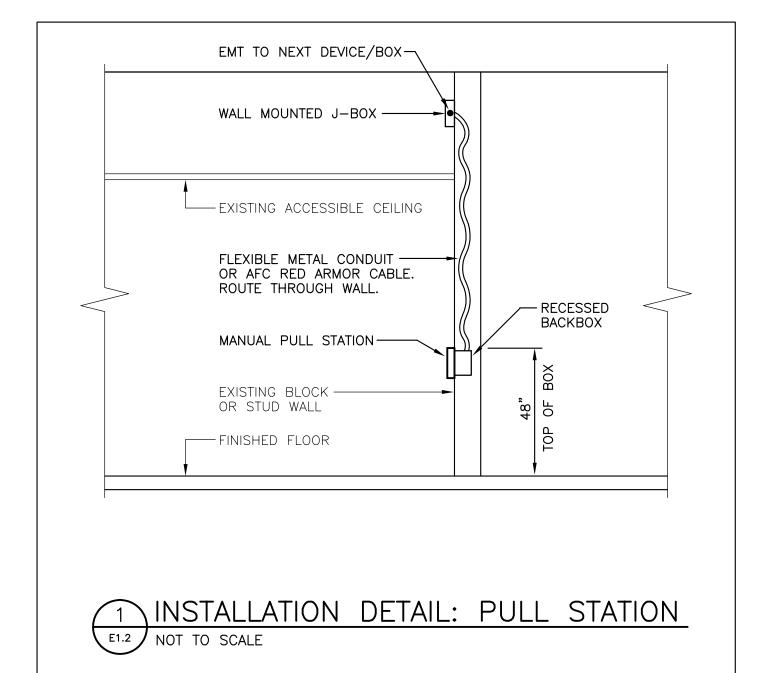
7 CLUSTERS COURT, SUITE 201 COLUMBIA, SOUTH CAROLINA 29210 (803) 731-0650 fax (803) 731-2880 EMAIL: cestringfield@bellsouth.net

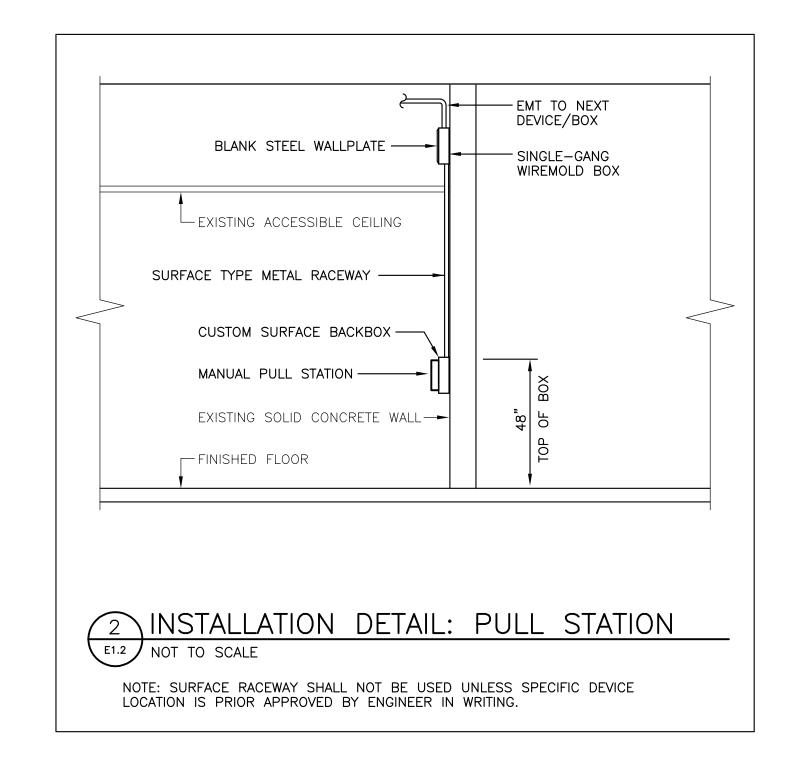
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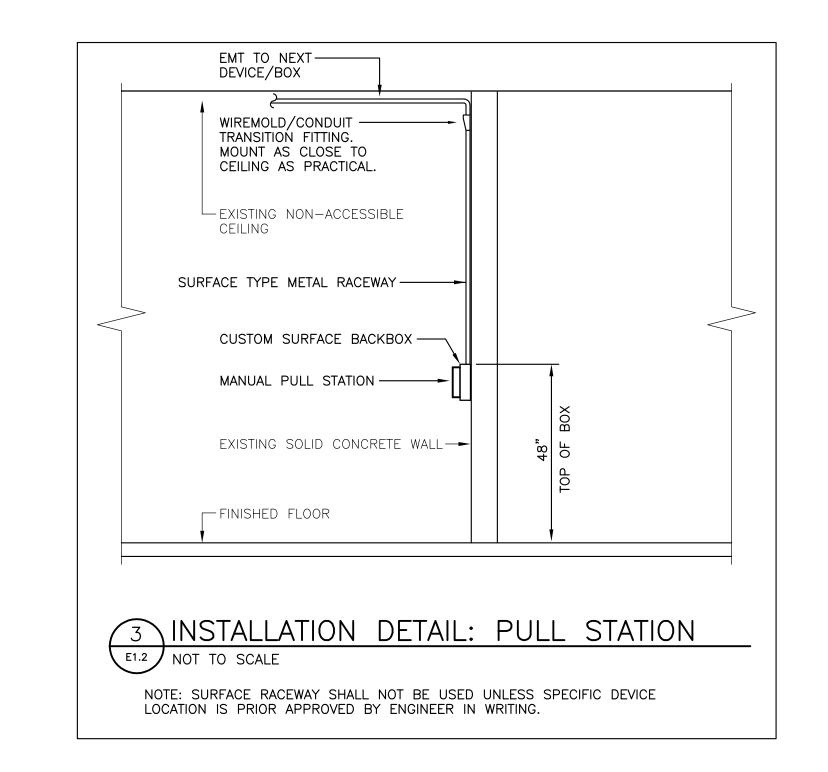
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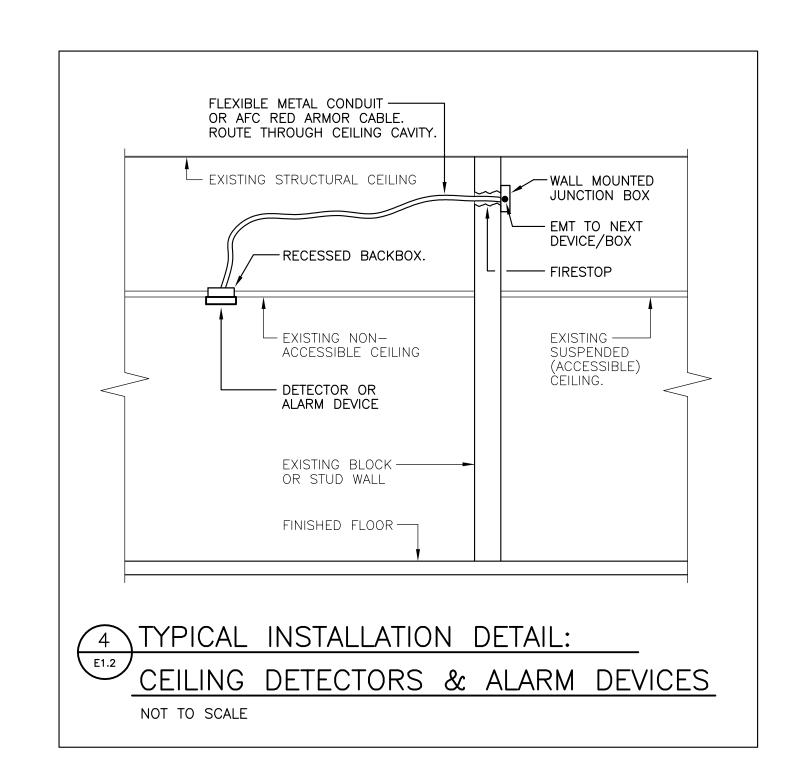
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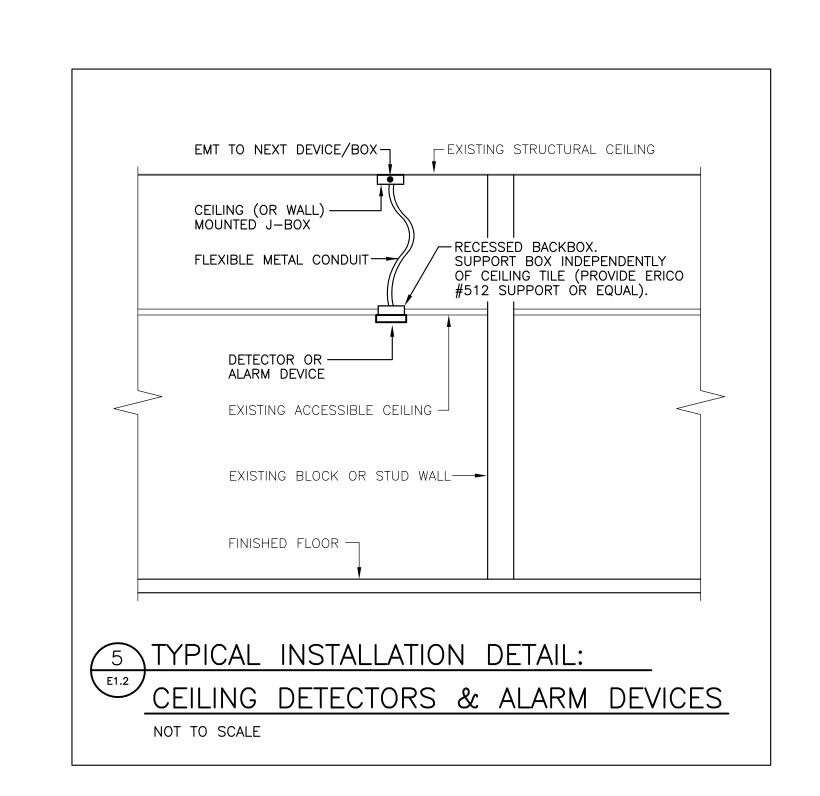
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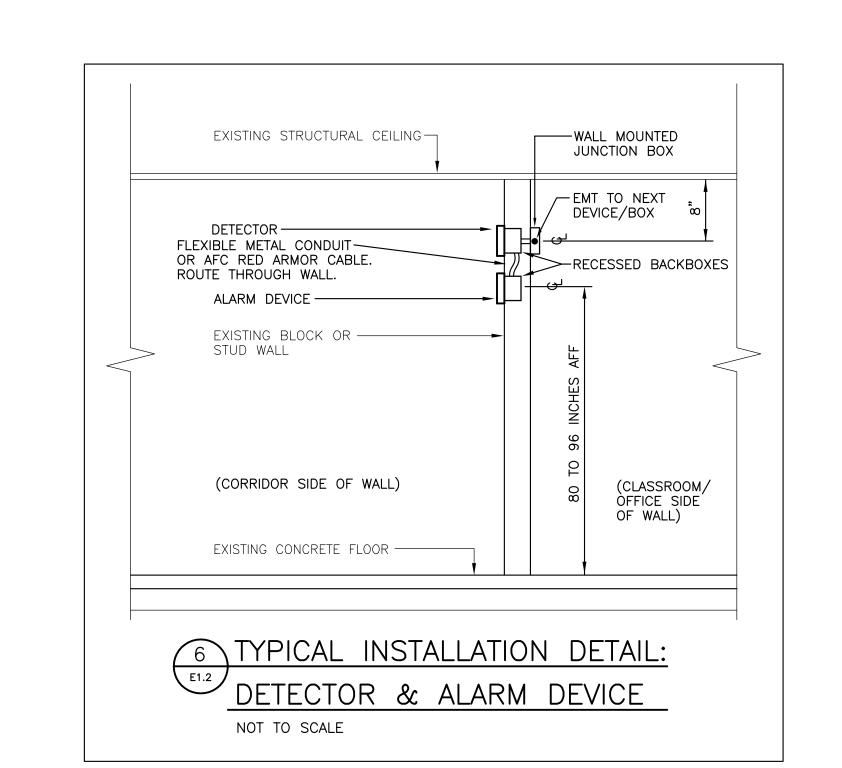














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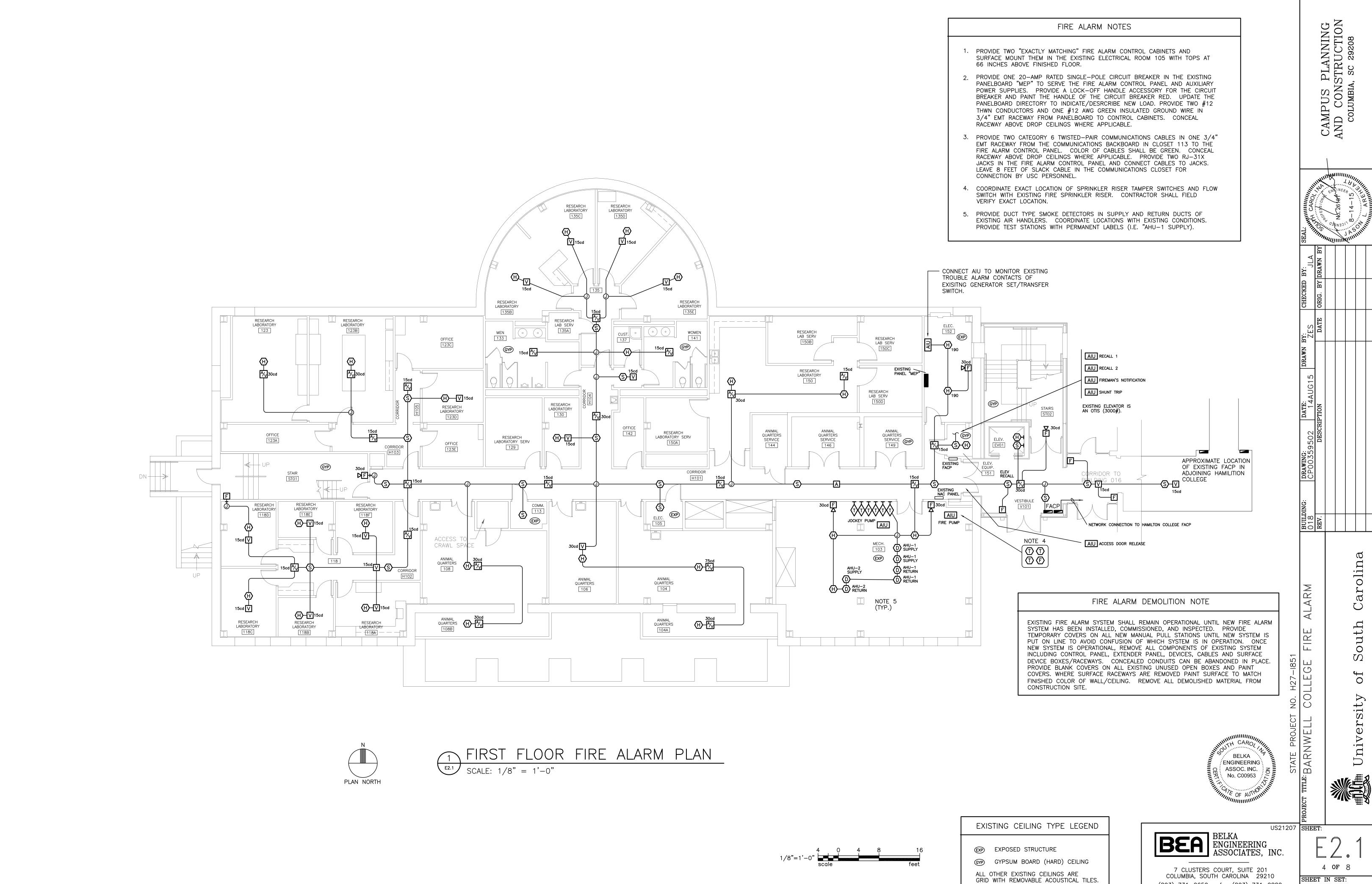
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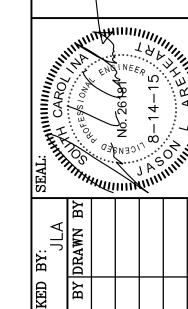
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STATE PROJECT

BELKA PARTIES ASSOC. INC.

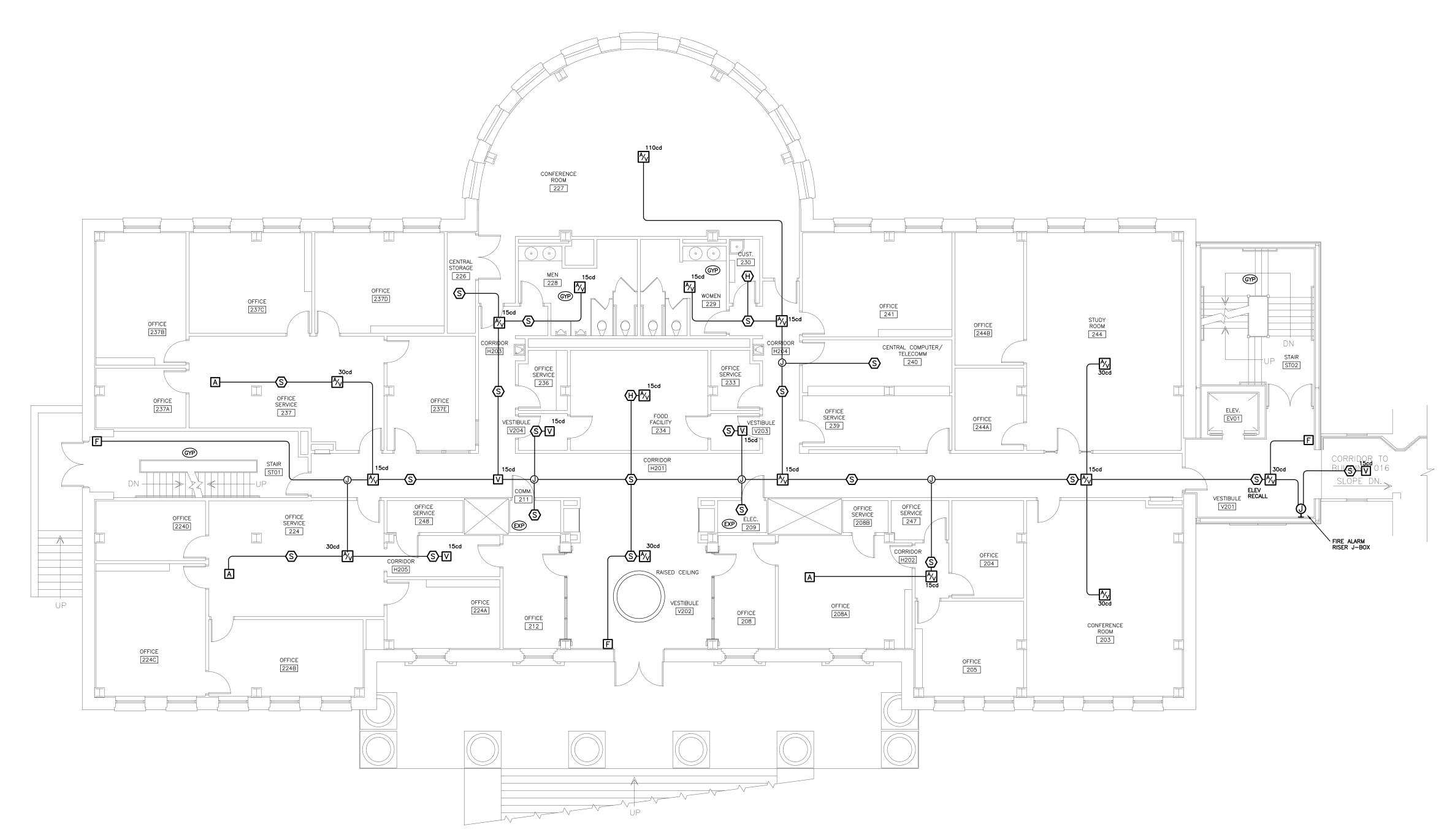
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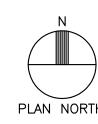
5 **OF** 8 SHEET IN SET:

PROVIDE BLANK COVERS ON ALL EXISTING UNUSED OPEN BOXES. PAINT COVERS AND WHERE SURFACE RACEWAYS ARE REMOVED TO MATCH FINISHED COLOR OF WALL/CEILING. REMOVE ALL DEMOLISHED MATERIAL FROM CONSTRUCTION SITE.

FIRE ALARM DEMOLITION NOTE

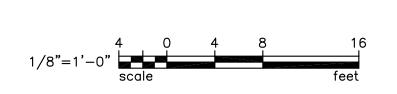
EXISTING FIRE ALARM SYSTEM SHALL REMAIN OPERATIONAL UNTIL NEW FIRE ALARM SYSTEM HAS BEEN INSTALLED, COMMISSIONED, AND INSPECTED. PROVIDE TEMPORARY COVERS ON ALL NEW MANUAL PULL STATIONS UNTIL NEW SYSTEM IS PUT ON LINE TO AVOID CONFUSION OF WHICH SYSTEM IS IN OPERATION. ONCE NEW SYSTEM IS OPERATIONAL, REMOVE ALL COMPONENTS OF EXISTING SYSTEM INCLUDING CONTROL PANEL, EXTENDER PANEL, DEVICES, CABLES AND SURFACE DEVICE BOXES/RACEWAYS. CONCEALED CONDUITS CAN BE ABANDONED IN PLACE.





SECOND FLOOR FIRE ALARM PLAN

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



EXISTING CEILING TYPE LEGEND

EXP EXPOSED STRUCTURE

GYP GYPSUM BOARD (HARD) CEILING

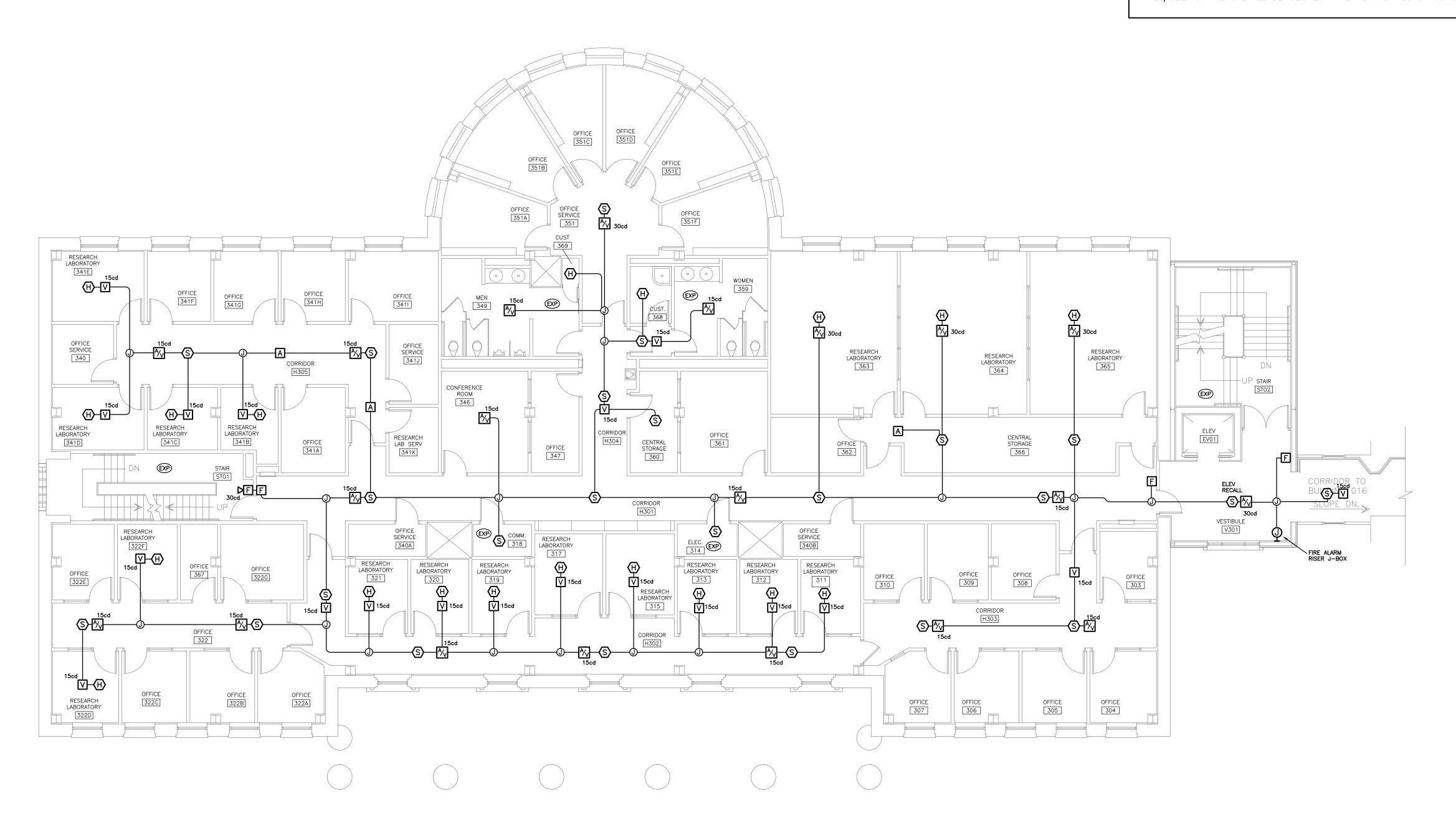
ALL OTHER EXISTING CEILINGS ARE GRID WITH REMOVABLE ACOUSTICAL TILES.

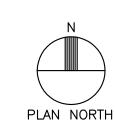
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EXISTING FIRE ALARM SYSTEM SHALL REMAIN OPERATIONAL UNTIL NEW FIRE ALARM SYSTEM HAS BEEN INSTALLED, COMMISSIONED, AND INSPECTED. PROVIDE TEMPORARY COVERS ON ALL NEW MANUAL PULL STATIONS UNTIL NEW SYSTEM IS PUT ON LINE TO AVOID CONFUSION OF WHICH SYSTEM IS IN OPERATION. ONCE NEW SYSTEM IS OPERATIONAL, REMOVE ALL COMPONENTS OF EXISTING SYSTEM INCLUDING CONTROL PANEL, EXTENDER PANEL, DEVICES, CABLES AND SURFACE DEVICE BOXES/RACEWAYS. CONCEALED CONDUITS CAN BE ABANDONED IN PLACE. PROVIDE BLANK COVERS ON ALL EXISTING UNUSED OPEN BOXES. PAINT COVERS AND WHERE SURFACE RACEWAYS ARE REMOVED TO MATCH FINISHED COLOR OF WALL/CEILING. REMOVE ALL DEMOLISHED MATERIAL FROM CONSTRUCTION SITE.





THIRD FLOOR FIRE ALARM PLAN

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

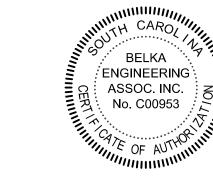


EXISTING CEILING TYPE LEGEND

EXP EXPOSED STRUCTURE

GYP GYPSUM BOARD (HARD) CEILING

ALL OTHER EXISTING CEILINGS ARE GRID WITH REMOVABLE ACOUSTICAL TILES.



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EMAIL: cestringfield@bellsouth.net

EXISTING CEILING TYPE LEGEND

FIRE ALARM DEMOLITION NOTE

EXISTING FIRE ALARM SYSTEM SHALL REMAIN OPERATIONAL UNTIL NEW FIRE ALARM SYSTEM HAS BEEN INSTALLED, COMMISSIONED, AND INSPECTED. PROVIDE TEMPORARY COVERS ON ALL NEW MANUAL PULL STATIONS UNTIL NEW SYSTEM IS PUT ON LINE TO AVOID CONFUSION OF WHICH SYSTEM IS IN OPERATION. ONCE NEW SYSTEM IS OPERATIONAL, REMOVE ALL COMPONENTS OF EXISTING SYSTEM INCLUDING CONTROL PANEL, EXTENDER PANEL, DEVICES, CABLES AND SURFACE DEVICE BOXES/RACEWAYS. CONCEALED CONDUITS CAN BE ABANDONED IN PLACE. PROVIDE BLANK COVERS ON ALL EXISTING UNUSED OPEN BOXES. PAINT COVERS AND WHERE SURFACE RACEWAYS ARE REMOVED TO MATCH FINISHED COLOR OF WALL/CEILING. REMOVE ALL DEMOLISHED MATERIAL FROM CONSTRUCTION SITE.

EXP EXPOSED STRUCTURE

CONFERENCE ROOM 465

OFFICE 407

ELEV EV01

OFFICE 461

RESEARCH LABORATORY 412

OFFICE 462

-M-S--Q

OFFICE 410

OFFICE 409

GYP GYPSUM BOARD (HARD) CEILING

ALL OTHER EXISTING CEILINGS ARE GRID WITH REMOVABLE ACOUSTICAL TILES.





OFFICE 450

CORRIDOR H404

OFFICE 424

OFFICE 425

OFFICE 456

OFFICE 423

FOURTH FLOOR FIRE ALARM PLAN

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

OFFICE 418

OFFICE 416

OFFICE 415

OFFICE 414

RESEARCH LABORATORY 436E

RESEARCH LABORATORY 436C

LABORATORY 436D

RESEARCH LABORATORY

436F

⊕-♥

OFFICE 444

RESEARCH LAB SERV 433

OFFICE 436G

OFFICE 427

OFFICE 426

STATE PROJECT

BEA BELKA ENGINEERING ASSOCIATES, INC.

BELKA PARTIES BELKA BELK

US21207 SHEET: 8 **OF** 8

8 **OF** 8

7 CLUSTERS COURT, SUITE 201 COLUMBIA, SOUTH CAROLINA 29210 SHEET IN SET: (803) 731-0650 fax (803) 731-2880 EMAIL: cestringfield@bellsouth.net

EXISTING CEILING TYPE LEGEND

FIRE ALARM NOTES

FIRE ALARM DEMOLITION NOTE

EXISTING FIRE ALARM SYSTEM SHALL REMAIN OPERATIONAL UNTIL NEW FIRE ALARM

TEMPORARY COVERS ON ALL NEW MANUAL PULL STATIONS UNTIL NEW SYSTEM IS PUT ON LINE TO AVOID CONFUSION OF WHICH SYSTEM IS IN OPERATION. ONCE NEW SYSTEM IS OPERATIONAL, REMOVE ALL COMPONENTS OF EXISTING SYSTEM INCLUDING CONTROL PANEL, EXTENDER PANEL, DEVICES, CABLES AND SURFACE DEVICE BOXES/RACEWAYS. CONCEALED CONDUITS CAN BE ABANDONED IN PLACE. PROVIDE BLANK COVERS ON ALL EXISTING UNUSED OPEN BOXES. PAINT COVERS AND WHERE SURFACE RACEWAYS ARE REMOVED TO MATCH FINISHED COLOR OF

WALL/CEILING. REMOVE ALL DEMOLISHED MATERIAL FROM CONSTRUCTION SITE.

SYSTEM HAS BEEN INSTALLED, COMMISSIONED, AND INSPECTED. PROVIDE

1. PROVIDE ONE HEAT DETECTOR 2'0 FROM EACH SPRINKLER HEAD IN ELEVATOR SHAFT.

2. PROVIDE CONNECTIONS TO EXISTING FLOW AND TAMPER SWITCHES IN ATTIC. COORDINATE QUANTITIES AND LOCATIONS WITH EXISTING CONDITIONS.

EXP EXPOSED STRUCTURE

GYP GYPSUM BOARD (HARD) CEILING

OFFICE 557

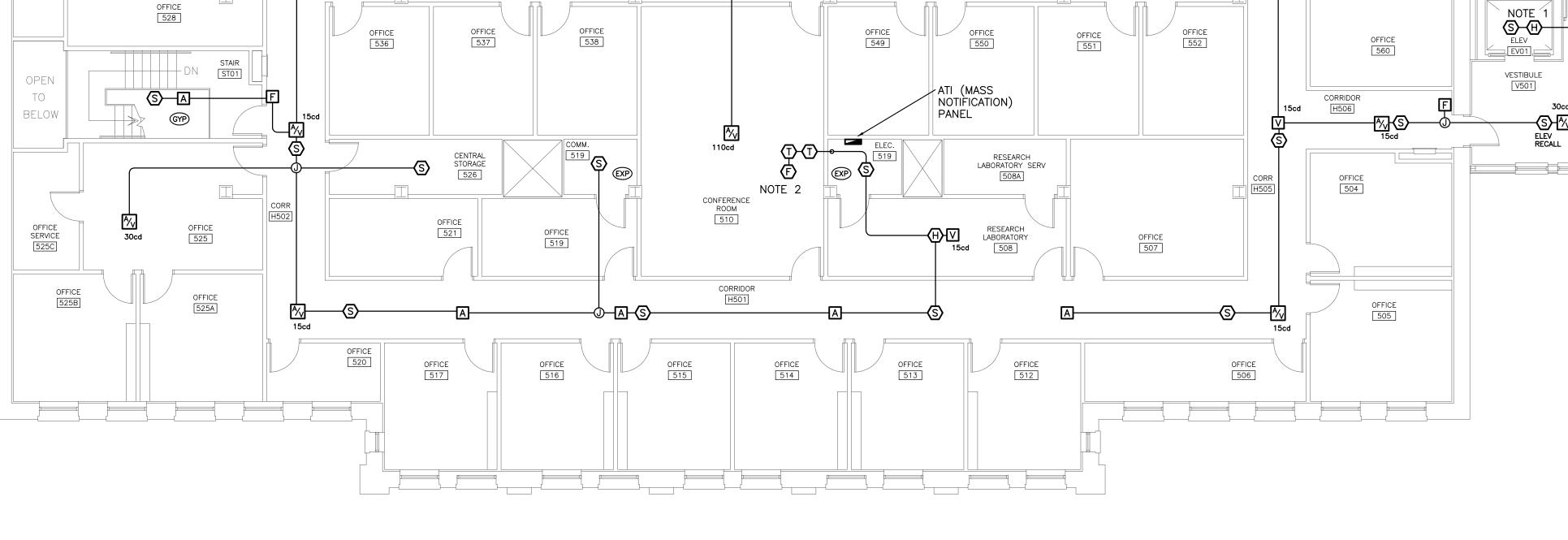
ST02

ALL OTHER EXISTING CEILINGS ARE GRID WITH REMOVABLE ACOUSTICAL TILES.

OFFICE 555

554

553



OFFICE 532

OFFICE 533

534

OFFICE 528B

528C

FIFTH FLOOR FIRE ALARM PLAN

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

OFFICE 544

OFFICE 543

MEN 541

∰ **%**—

OFFICE 545

CORRIDOR H504

OFFICE 546

CORRIDOR H503