

11/15/2020 3:05:13 PM  
C:\Users\levjers1\Documents\ORIM20\_MEP\_R20\_levjers28DG.rvt

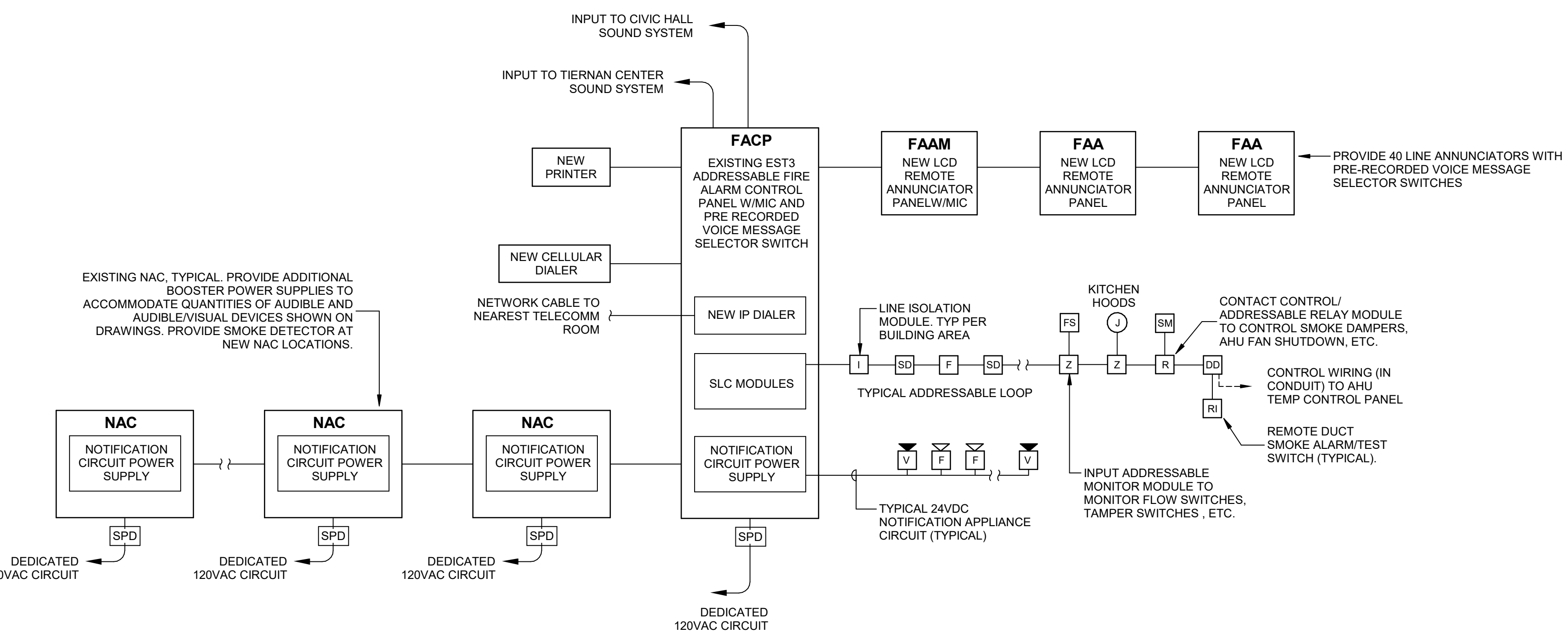
Table with columns for SYSTEM INPUT and SYSTEM OUTPUT. Includes rows for Manual Pull Station, Smoke/Heat Detector, Sprinkler Waterflow Switch, etc. and columns for Control Panel Functions, Notification, and Control.

ELECTRICAL GENERAL NOTES:

- A. EACH CONTRACTOR, PROPOSER, SUPPLIER AND/OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT...
B. WORK SHALL BE IN ACCORDANCE WITH THE ADOPTED EDITION OF ALL LOCAL, STATE, AND NATIONAL CODES...
C. ALL RACEWAY OFFSETS, TURNS, FITTINGS, TRIM, DETAIL, ETC. MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED...

Table with columns: DESCRIPTION, MOUNTING HEIGHT (TO CENTER OF BOX), DRAWING SYMBOL. Lists various fire alarm components like Fire Alarm Control Panel, Smoke Detectors, etc.

GENERAL FIRE ALARM NOTES:
A. RISER DIAGRAM IS SHOWN TO ILLUSTRATE DESIGN INTENT AND DEVICE INTERCONNECTION ONLY. SEE PLANS FOR LOCATION AND QUANTITIES OF DEVICES...



3 FIRE ALARM RISER DIAGRAM-ADDRESSABLE
NO SCALE

Table with columns: No., Revisions / Submissions, Date. Contains one revision entry dated 11.13.2020.

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712 East Main Street Richmond, IN 47374 765.966.3546

CMTA logo

WE RICHMOND RICHMOND COMMUNITY SCHOOLS RICHMOND HIGH SCHOOL

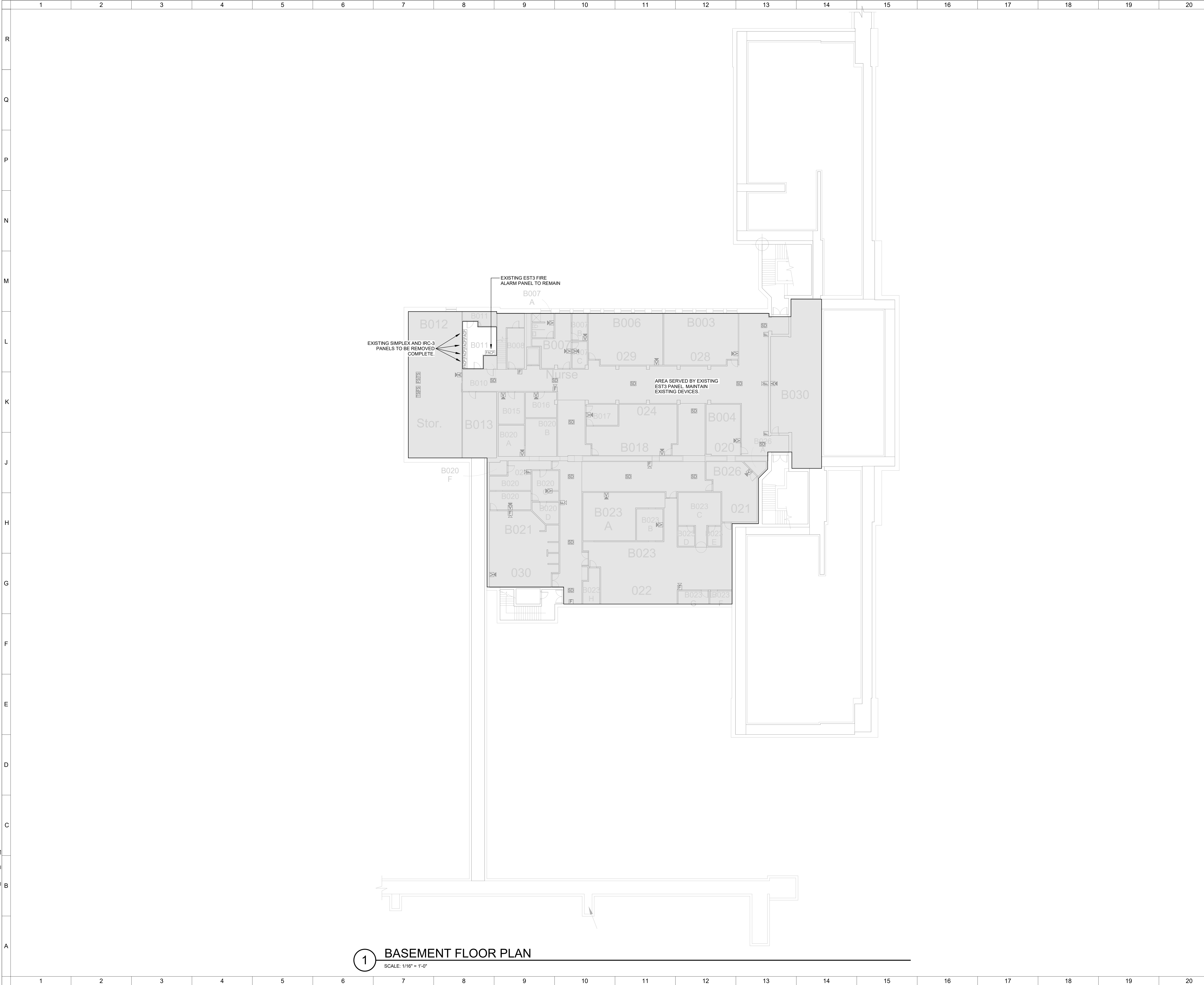
Fire Alarm Upgrades

380 Hub Etchison Pkwy
Richmond IN 47374

FIRE ALARM LEGEND, NOTES, RISER DIAGRAM

Table with columns: Comm. No., Date, Drawing No., Checked, etc. Includes project details and a signature stamp for Robert A. Hand.

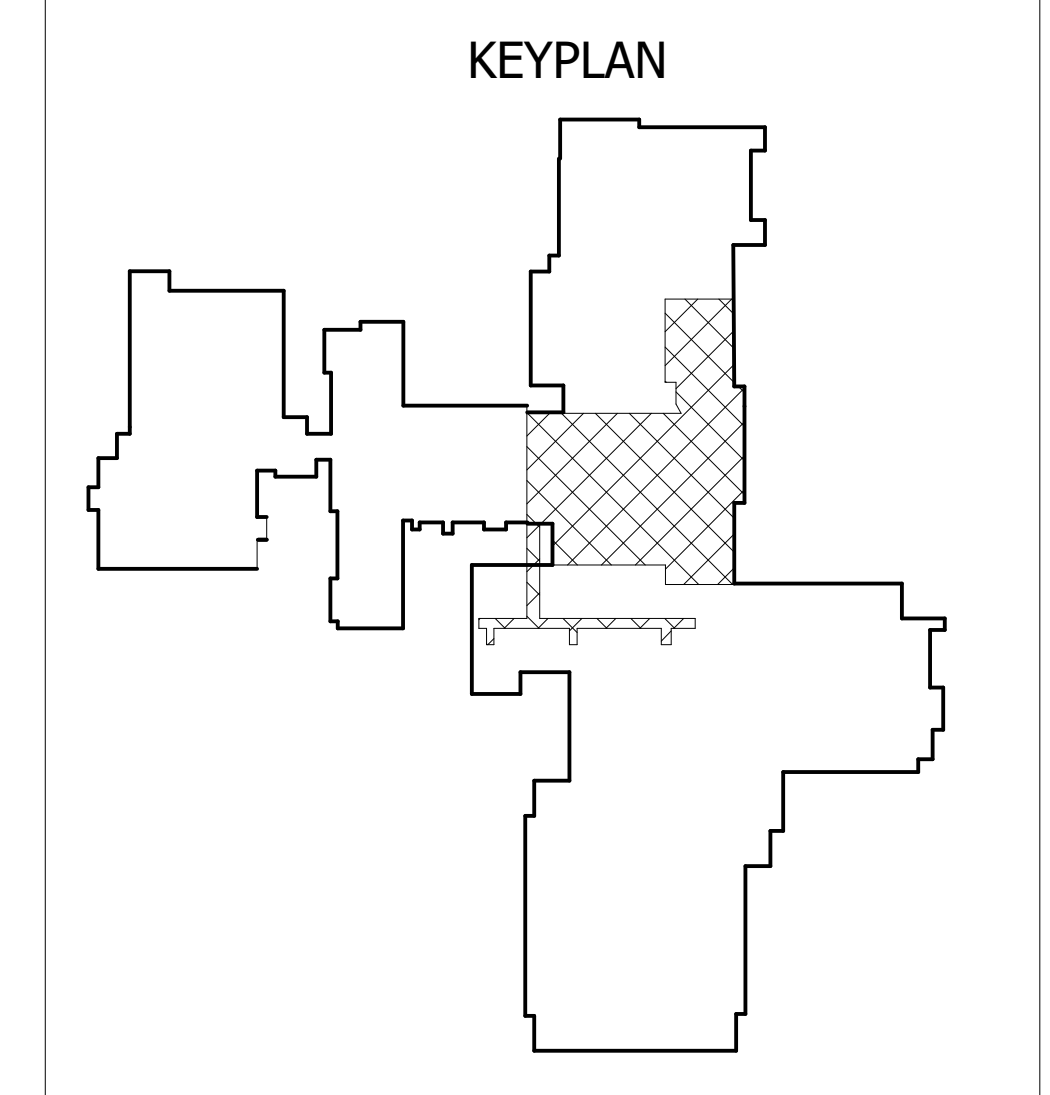
11/15/2020 3:05:13 PM  
C:\Users\jevlers\Documents\ORIM20\_MEP\_FR20\_jevlers28D.G.rvt



**1 BASEMENT FLOOR PLAN**  
SCALE: 1/16" = 1'-0"

- GENERAL NOTES:**
- A. THIN SOLID GREY LINES INDICATE EXISTING ITEMS TO REMAIN. SOLID BLACK LINES INDICATE NEW DEVICE IN EXISTING DEVICE LOCATION. NEW DEVICES TAGGED WITH "N" INDICATE NEW DEVICE AND LOCATION.
  - B. MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS REQUIRED, THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER.
  - C. FIELD VERIFY THE EXACT NUMBER AND LOCATIONS OF ALL MECHANICALLY RELATED ITEMS (SPRINKLER CONNECTIONS, EXTINGUISHING SYSTEMS, SMOKE DAMPERS, RANGE HOOD SUPPRESSION SYSTEMS, ETC.) AND MAKE CONNECTIONS AS REQUIRED/INDICATED.
  - D. PROVIDE CONNECTIONS TO ALL FIRE PROTECTION TAMPER AND FLOW SWITCHES VIA ZONE ADDRESSABLE MODULES AS REQUIRED. CONTRACTOR SHALL VERIFY ALL LOCATIONS WITH FIRE PROTECTION SYSTEM SHOP DRAWINGS.
  - E. ALL FIRE ALARM STROBE LIGHTS SHALL BE SYNCHRONIZED TO ACCOMMODATE BUILDING STANDARDS AS REQUIRED.
  - F. TAP HORNS AND HORN/STROBES TO PROVIDE SUFFICIENT INTELLIGIBILITY FOR AREA SERVED.
  - G. SMOKE DETECTORS SHALL NOT BE LOCATED CLOSER THAN 36" TO SUPPLY, RETURN, OR EXHAUST AIR OPENINGS NOR CLOSER THAN 12" TO WALL/CILING INTERSECTIONS.
  - H. REFER TO FIRE ALARM OPERATION MATRIX AND BUILDING CONTROL SPECIFICATIONS FOR AHU SHUTDOWN REQUIREMENTS.
  - I. PROVIDE DUCK SMOKE DETECTORS WITH REMOTE TEST SWITCH/INDICATOR LIGHT AT 7'-6" AFF ON WALL IN AREA BELOW DETECTOR.
  - J. PROVIDE CONNECTIONS TO ACCESS CONTROL DOORS TO ALLOW POSITIVE LATCHING AND FREE EGRESS UNDER ALARM CONDITIONS. COORDINATE EXACT REQUIREMENTS WITH EXISTING DOOR HARDWARE.
  - K. PROVIDE ACCESS PANELS AS REQUIRED FOR MAINTENANCE AND TESTING FOR SMOKE DETECTORS LOCATED ABOVE INACCESSIBLE CEILINGS. COORDINATE SIZE AND LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.
  - L. PROVIDE ALL NEW POWER CONNECTIONS AS REQUIRED FOR SYSTEM OPERATION.
  - M. PROVIDE A DEDICATED POWER CIRCUIT TO EACH FIRE ALARM EQUIPMENT PANEL OR POWER SUPPLY.
  - N. FIRE ALARM OCP DEVICES SHALL HAVE NON-REMOVABLE LOCKABLE HANDLE PAINTED RED.
  - O. PROVIDE ADDITIONAL POWER SUPPLIES AND NAC PANELS BASED UPON FINAL SYSTEM DESIGN AND REQUIRED SPARE CAPACITY. LOCATE ADDITIONAL PANELS ADJACENT TO THOSE SHOWN ON PLANS. DO NOT INSTALL ADDITIONAL EQUIPMENT IN OTHER AREAS OF THE PROJECT WITHOUT WRITTEN CONSENT BY THE ENGINEER.

**KEY PLAN:**



No.	Revisions / Submissions	Date
1	BID SET	11.13.2020

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434 East First Street Dayton, OH 45402 937.223.6500  
712 East Main Street Richmond, IN 47374 765.966.3546

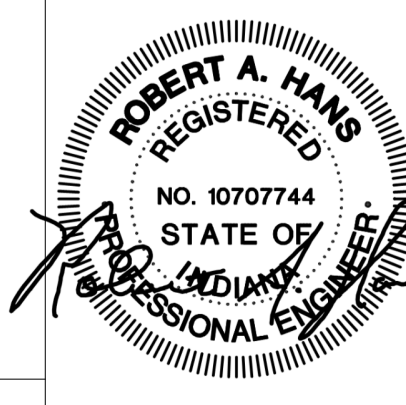
**CMTA**

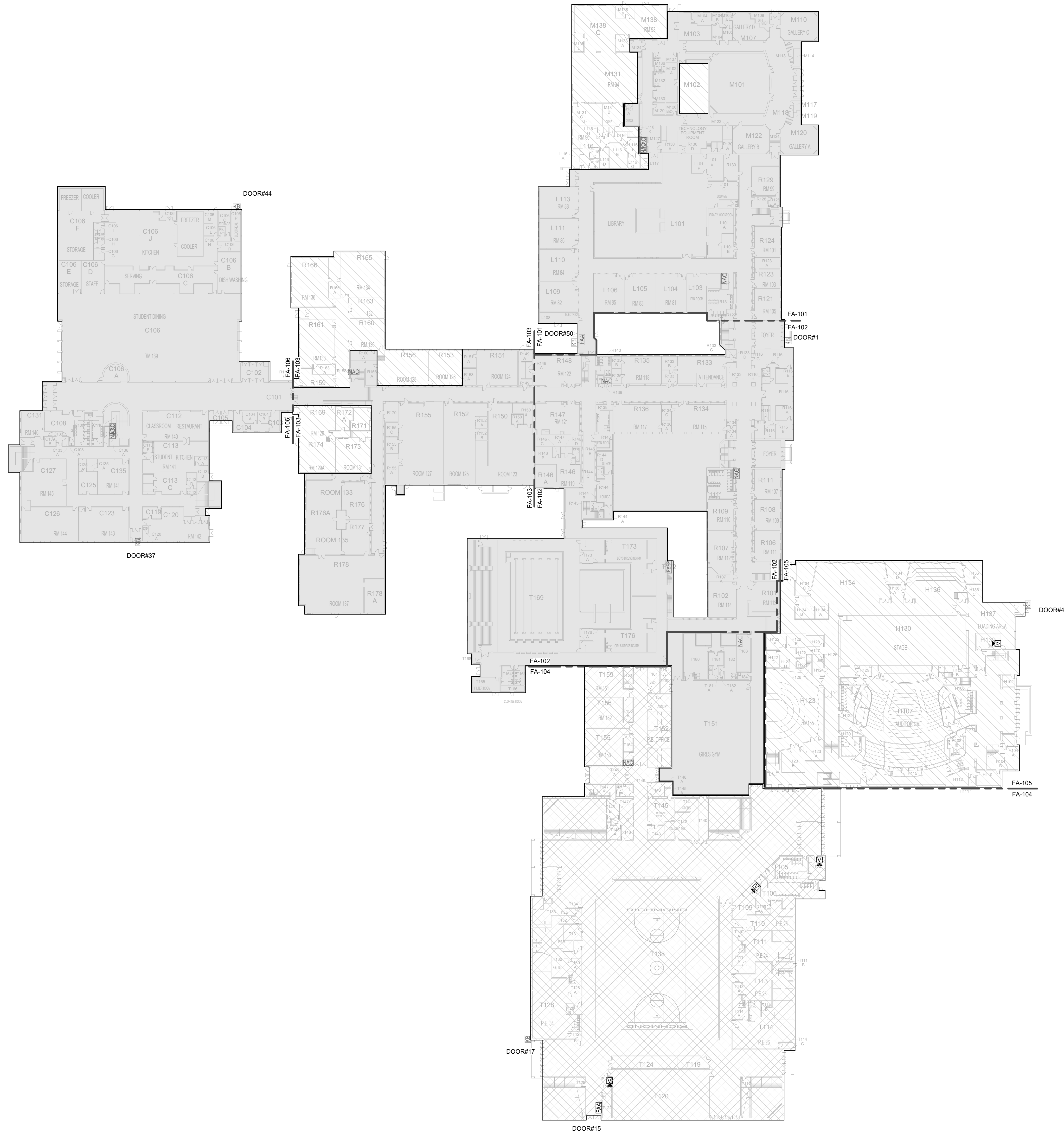
**WE R RICHMOND** RICHMOND COMMUNITY SCHOOLS  
RICHMOND HIGH SCHOOL

**Fire Alarm Upgrades**  
380 Hub Etchison Pkwy  
Richmond IN 47374




**BASEMENT FLOOR NEW WORK**

Comm. No.	Date
20104.01	11.13.2020
Drawn	Drawing No.
E.SMITH	FA-001
Checked	
G.RIDDLE	



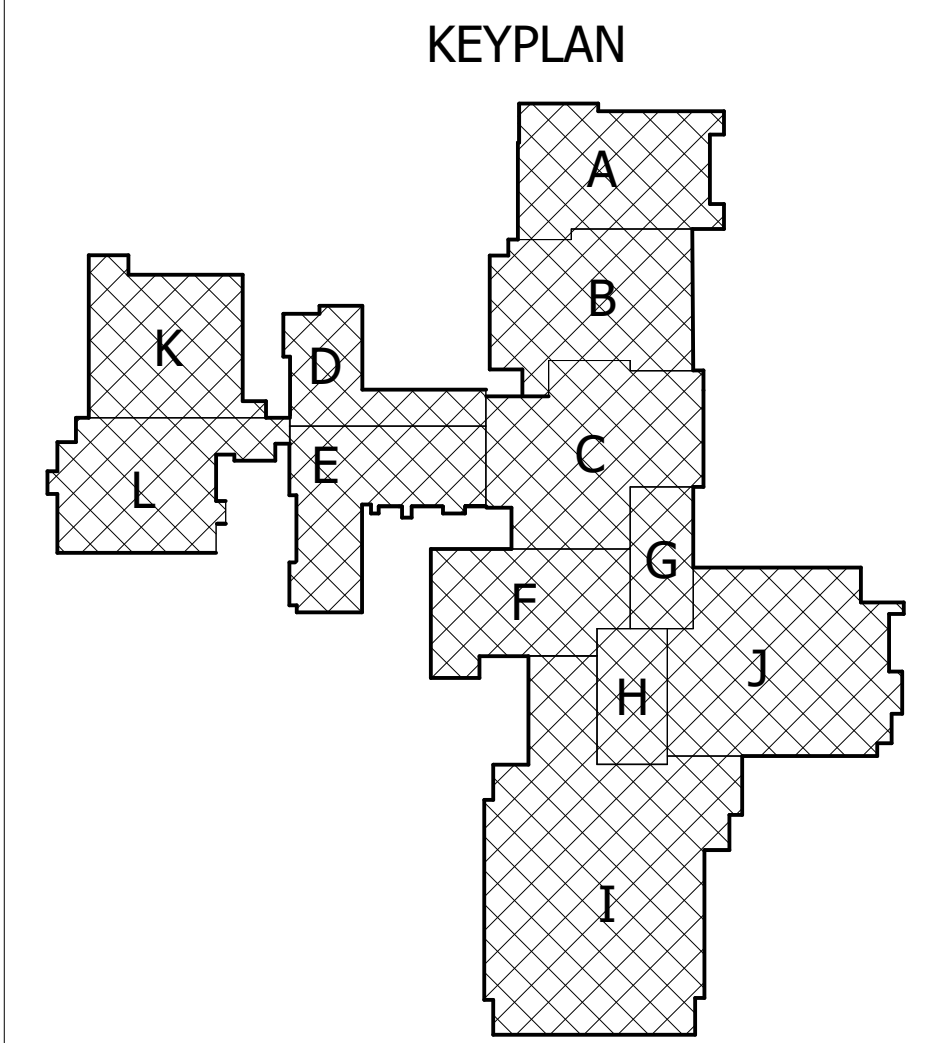


**LEGEND**

-  AREA SERVED BY EXISTING EST3 FIRE ALARM CONTROL PANEL. MAINTAIN EXISTING DEVICES.
-  AREA SERVED BY EXISTING SIMPLEX FIRE ALARM CONTROL PANEL. REMOVE SIMPLEX PANEL. REPLACE EXISTING DEVICES. ADD ADDITIONAL DEVICES AS SHOWN, AND INTEGRATE ALL DEVICES WITH EST3 PANEL.
-  AREA SERVED BY EXISTING IRC3 FIRE ALARM CONTROL PANEL. REMOVE IRC3 PANEL. REPLACE EXISTING DEVICES. ADD ADDITIONAL DEVICES AS SHOWN, AND INTEGRATE ALL DEVICES WITH EST3 PANEL.

**GENERAL NOTES:**

**KEY PLAN:**



No.	Revisions / Submissions	Date
1	BID SET	11.13.2020

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RICHMOND HIGH SCHOOL

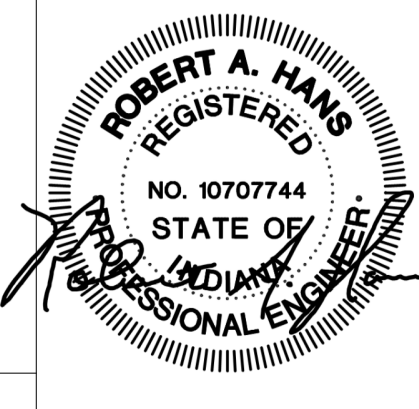
**Fire Alarm Upgrades**

380 Hub Etchison Pkwy  
Richmond IN 47374

**FIRST FLOOR COMPOSITE PLAN**

**1 FIRST FLOOR COMPOSITE PLAN**  
SCALE: 1" = 40'-0"

Comm. No.	Date
20104.01	11.13.2020
Drawn	Drawing No.
E.SMITH	FA-100
Checked	
G.RIDDLE	



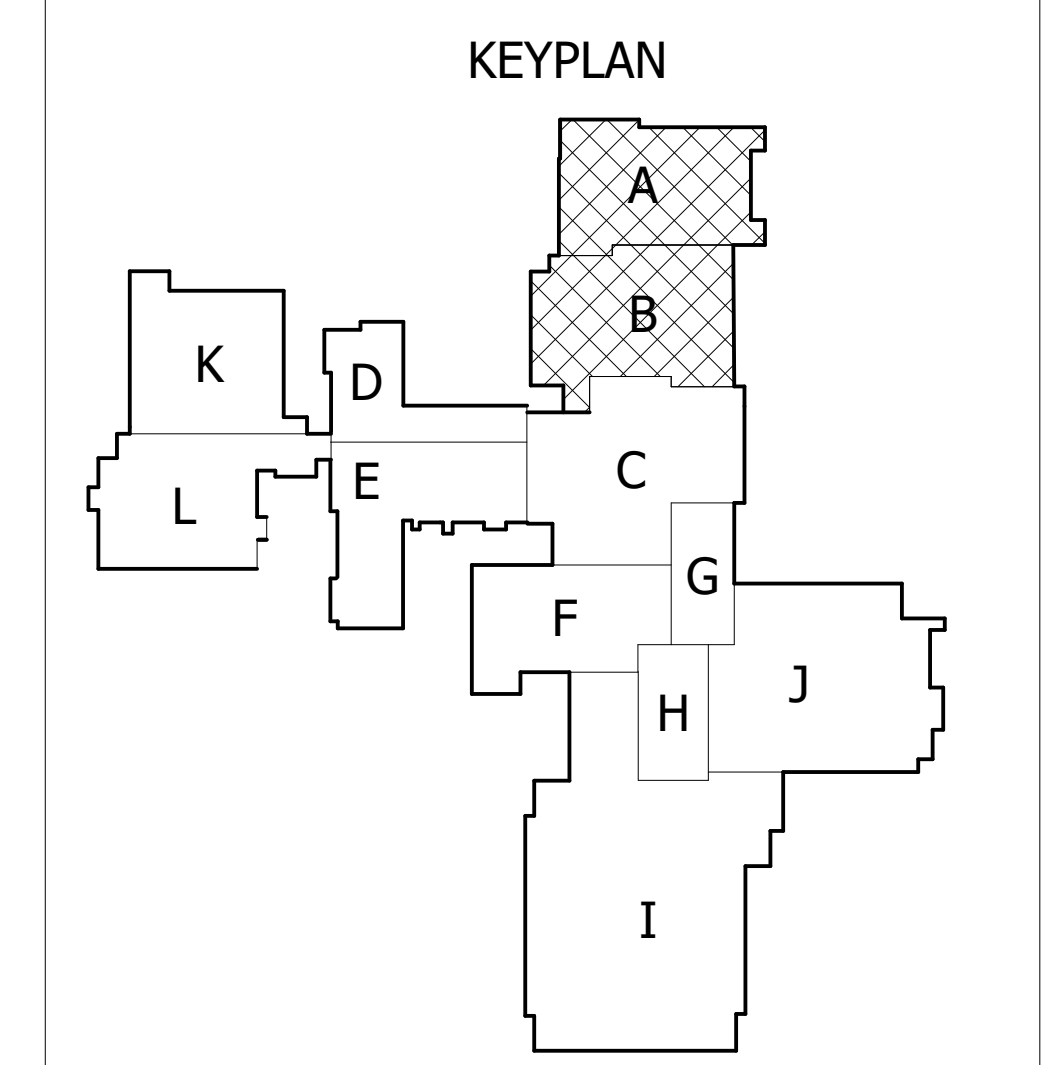


**1 PARTIAL FIRST FLOOR PLAN A & B**  
 SCALE: 1/16" = 1'-0"

**GENERAL NOTES:**

- A. THIN SOLID GREY LINES INDICATE EXISTING ITEMS TO REMAIN. SOLID BLACK LINES INDICATE NEW DEVICE IN EXISTING DEVICE LOCATION. NEW DEVICES TAGGED WITH "N" INDICATE NEW DEVICE AND LOCATION.
- B. MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS REQUIRED, THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER.
- C. FIELD VERIFY THE EXACT NUMBER AND LOCATIONS OF ALL MECHANICALLY RELATED ITEMS (SPRINKLER CONNECTIONS, EXTINGUISHING SYSTEMS, SMOKE DAMPERS, RANGE HOOD SUPPRESSION SYSTEMS, ETC.) AND MAKE CONNECTIONS AS REQUIRED/INDICATED.
- D. PROVIDE CONNECTIONS TO ALL FIRE PROTECTION TAMPER AND FLOW SWITCHES VIA ZONE ADDRESSABLE MODULES AS REQUIRED. CONTRACTOR SHALL VERIFY ALL LOCATIONS WITH FIRE PROTECTION SYSTEM SHOP DRAWINGS.
- E. ALL FIRE ALARM STROBE LIGHTS SHALL BE SYNCHRONIZED TO ACCOMMODATE BUILDING STANDARDS AS REQUIRED.
- F. TAP HORNS AND HORNSTROBES TO PROVIDE SUFFICIENT INTELLIGIBILITY FOR AREA SERVED.
- G. SMOKE DETECTORS SHALL NOT BE LOCATED CLOSER THAN 36" TO SUPPLY, RETURN, OR EXHAUST AIR OPENINGS NOR CLOSER THAN 12" TO WALL/CEILING INTERSECTIONS.
- H. REFER TO FIRE ALARM OPERATION MATRIX AND BUILDING CONTROL SPECIFICATIONS FOR AHU SHUTDOWN REQUIREMENTS.
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- N. FIRE ALARM OCP DEVICES SHALL HAVE NON-REMOVABLE LOCKABLE HANDLE PAINTED RED.
- O. PROVIDE ADDITIONAL POWER SUPPLIES AND NAC PANELS BASED UPON FINAL SYSTEM DESIGN AND REQUIRED SPARE CAPACITY. LOCATE ADDITIONAL PANELS ADJACENT TO THOSE SHOWN ON PLANS. DO NOT INSTALL ADDITIONAL EQUIPMENT IN OTHER AREAS OF THE PROJECT WITHOUT WRITTEN CONSENT BY THE ENGINEER.

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 434 East First Street Dayton, OH 45402 937.223.6500  
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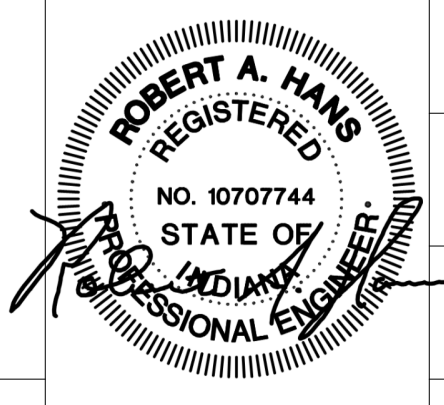
**CMTA**

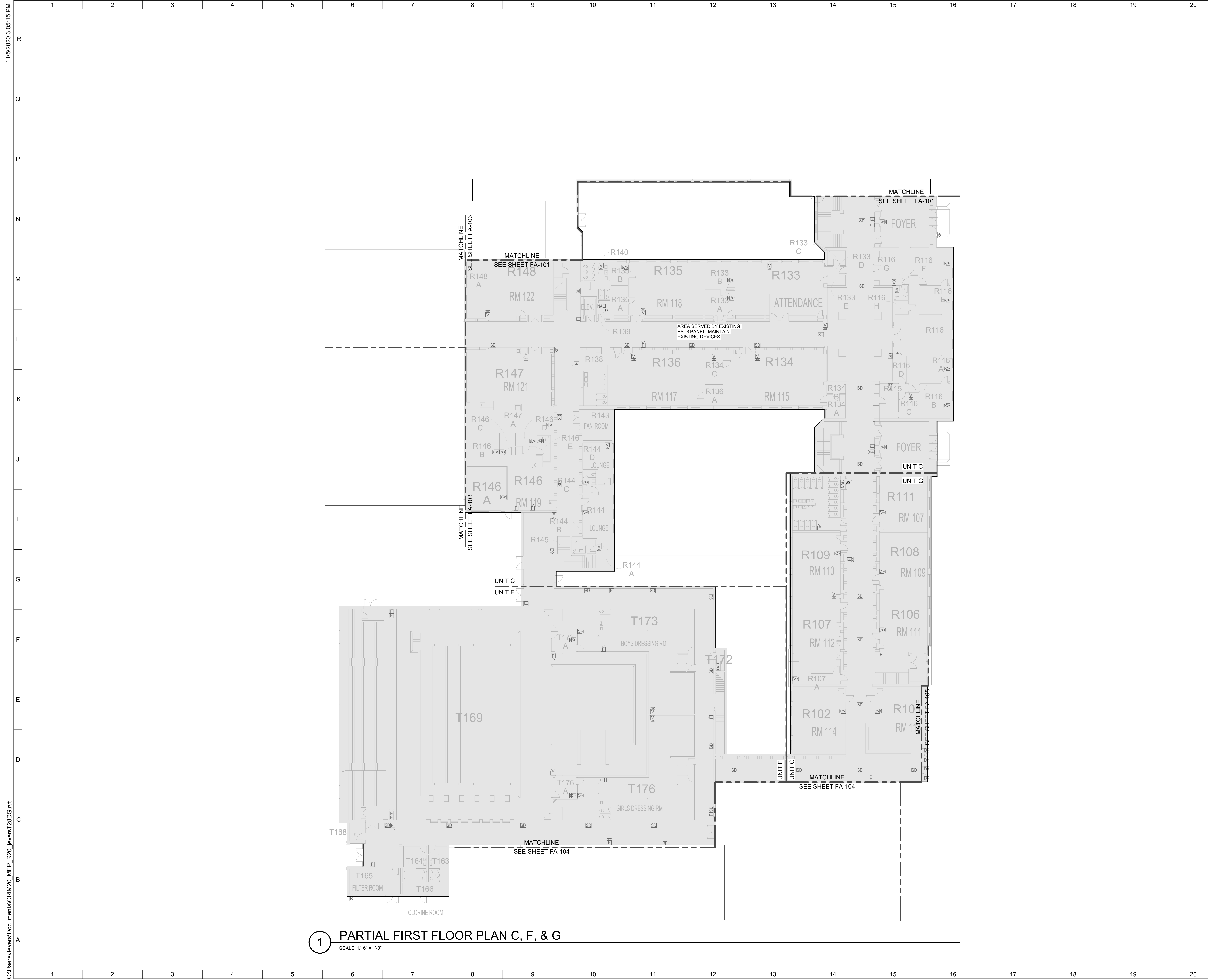
**WE RICHMOND** RICHMOND COMMUNITY SCHOOLS  
 RICHMOND HIGH SCHOOL

**Fire Alarm Upgrades**  
 380 Hub Etchison Pkwy  
 Richmond IN 47374

**FIRST FLOOR PLAN A & B NEW WORK**

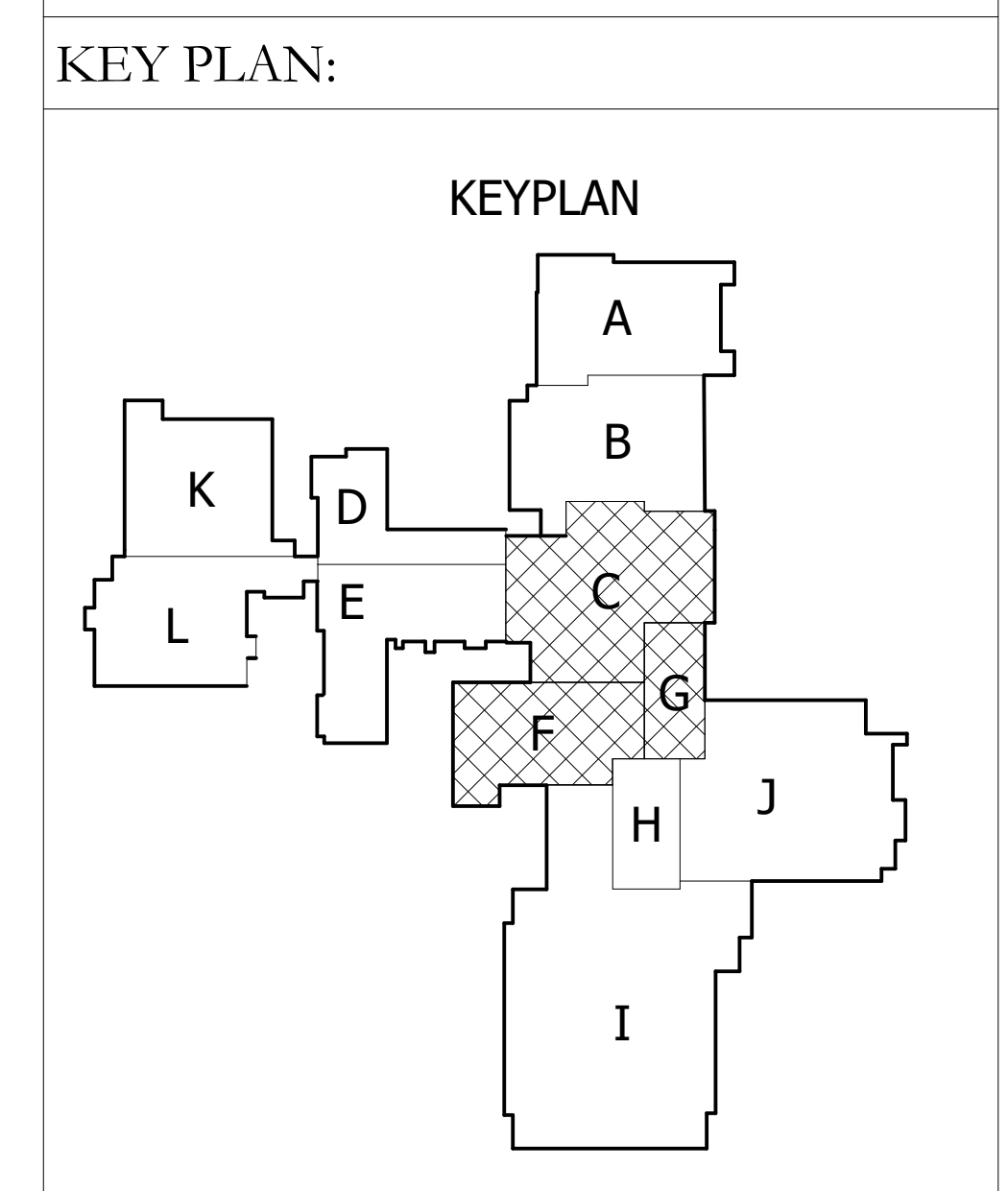
Comm. No.	Date
20104.01	11.13.2020
Drawn	Drawing No.
E.SMITH	FA-101
Checked	
G.RIDDLE	





1 PARTIAL FIRST FLOOR PLAN C, F, & G  
SCALE: 1/16" = 1'-0"

- GENERAL NOTES:**
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No.	Revisions / Submissions	Date
1	BID SET	11.13.2020

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712 East Main Street Richmond, IN 47374 765.966.3546

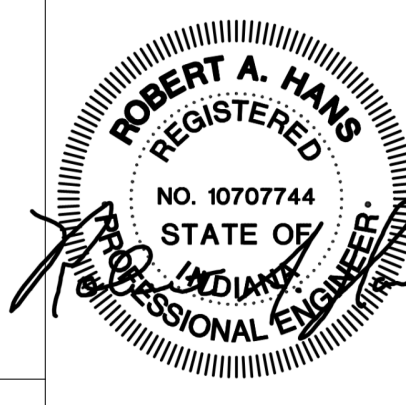


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RICHMOND HIGH SCHOOL

**Fire Alarm Upgrades**  
380 Hub Etchison Pkwy  
Richmond IN 47374

**FIRST FLOOR PLAN C, F & G NEW WORK**

Comm. No.	20104.01	Date	11.13.2020
Drawn	E.SMITH	Drawing No.	FA-102
Checked	G.RIDDLE		



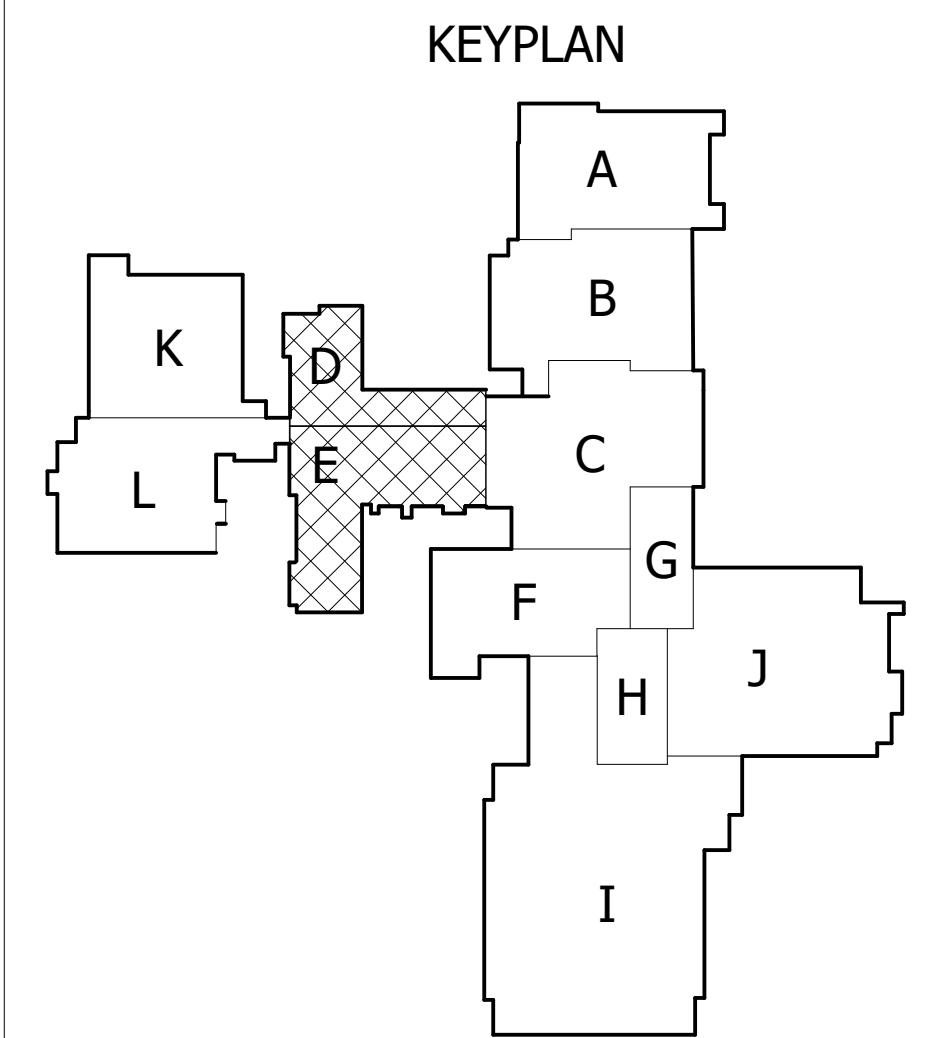


**1 PARTIAL FIRST FLOOR PLAN D & E**  
SCALE: 1/16" = 1'-0"

**GENERAL NOTES:**

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**KEY PLAN:**



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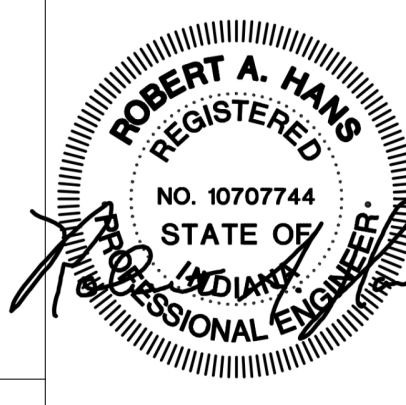
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RICHMOND HIGH SCHOOL

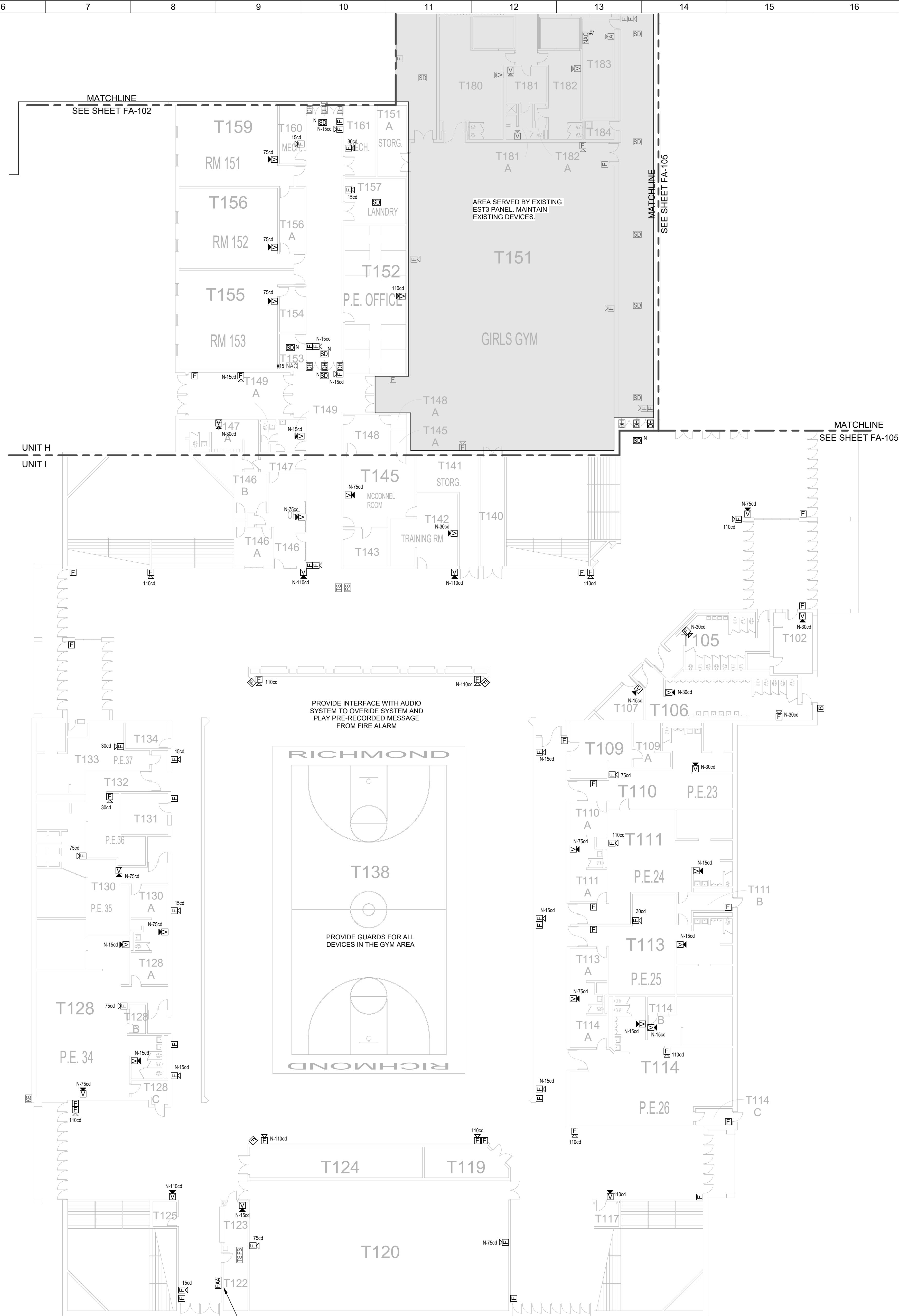
**Fire Alarm Upgrades**

380 Hub Etchison Pkwy  
Richmond IN 47374

**FIRST FLOOR PLAN D & E NEW WORK**

Comm. No.	Date
20104.01	11.13.2020
Drawn	Drawing No.
E.SMITH	FA-103
Checked	
G.RIDDLE	



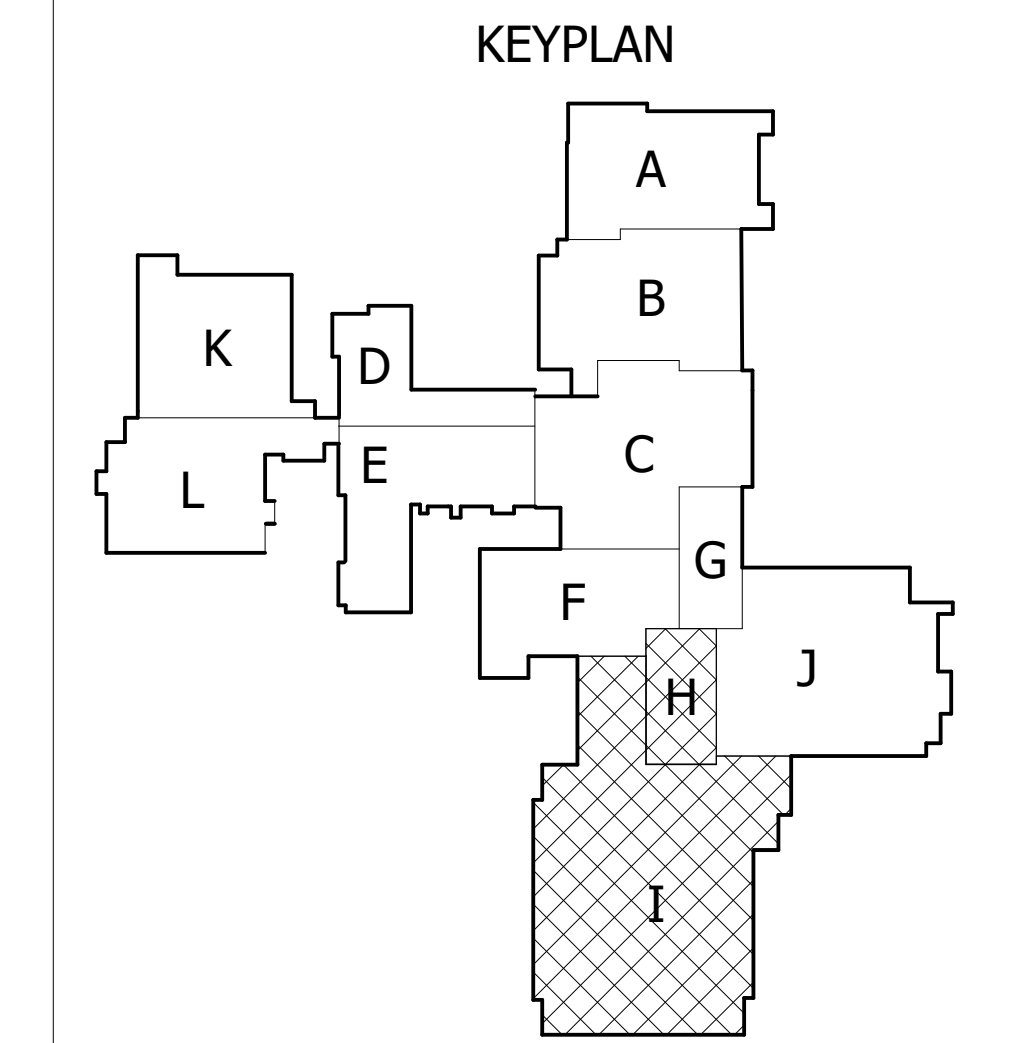


1 PARTIAL FIRST FLOOR PLAN H & I  
 SCALE: 1/16" = 1'-0"

GENERAL NOTES:

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KEY PLAN:



No.	Revisions / Submissions	Date
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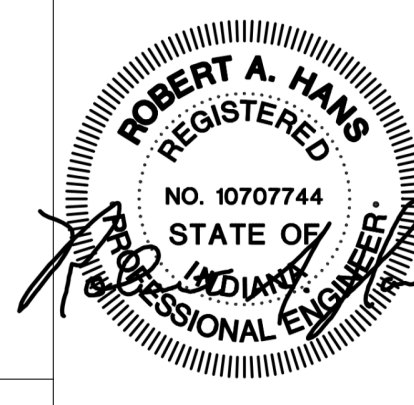
**CMTA**

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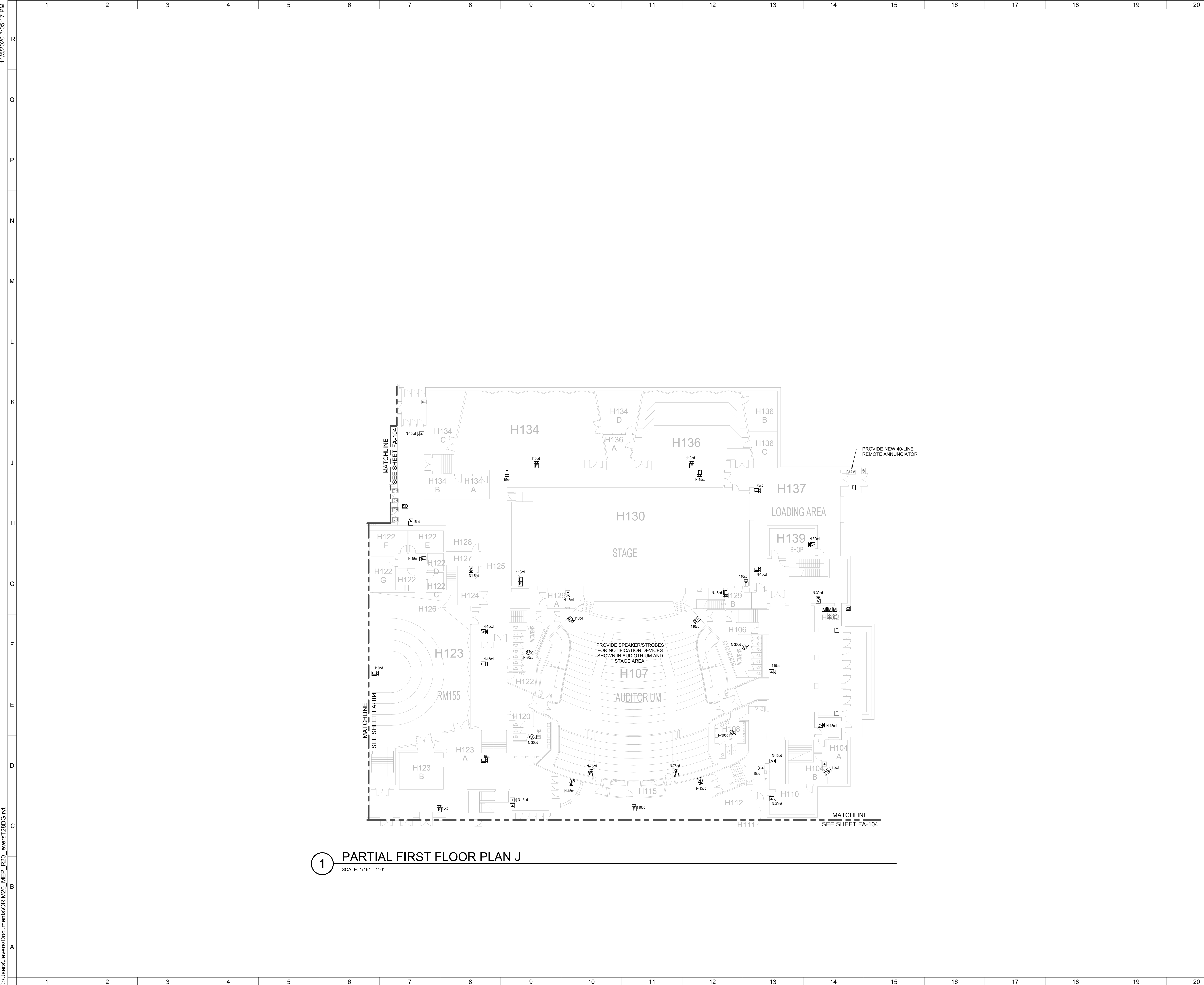
FIRST FLOOR PLAN H & I NEW WORK

Comm. No.	Date
20104.01	11.13.2020
Drawn	Drawing No.
E.SMITH	FA-104
Checked	
G.RIDDLE	



11/15/2020 3:05:17 PM

C:\Users\jeverson\Documents\ORIM20\_MEP\_FR20\_jeverson\280D.G.rvt

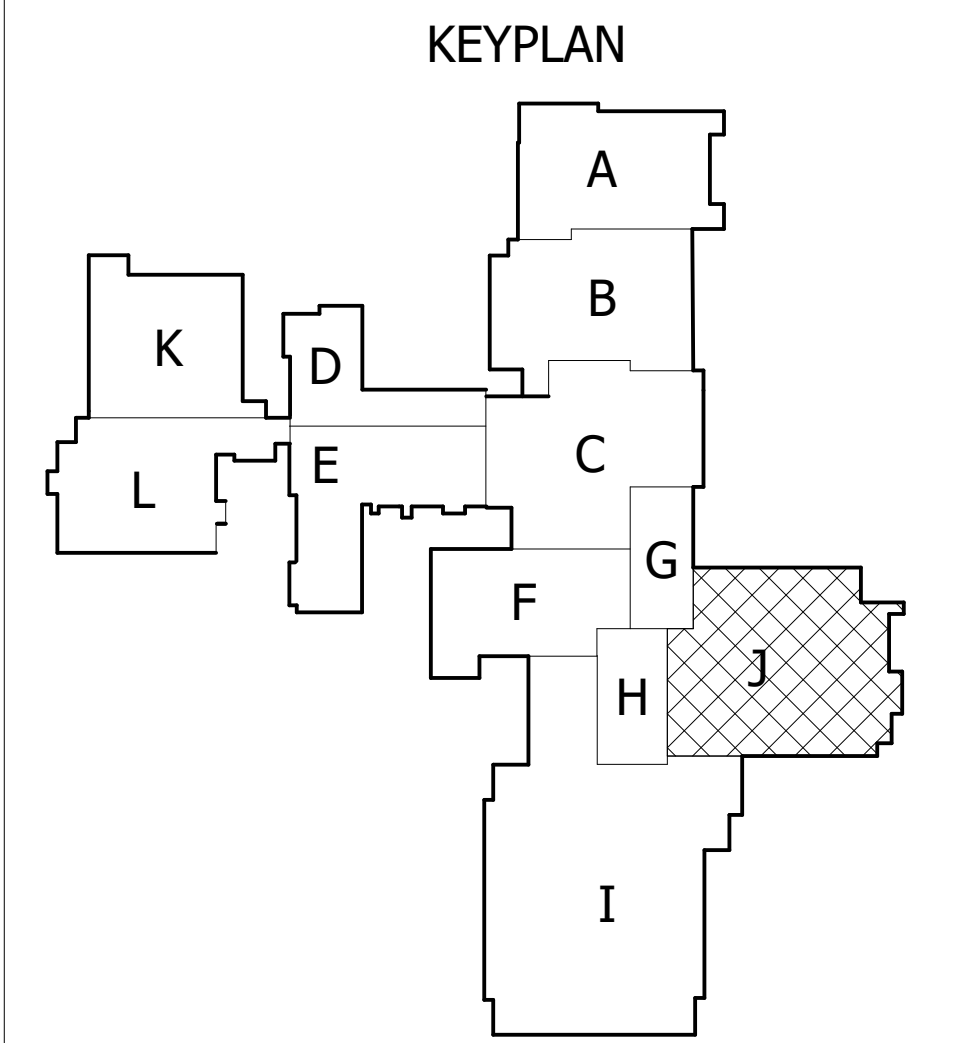


1 PARTIAL FIRST FLOOR PLAN J  
SCALE: 1/16" = 1'-0"

GENERAL NOTES:

- A. THIN SOLID GREY LINES INDICATE EXISTING ITEMS TO REMAIN. SOLID BLACK LINES INDICATE NEW DEVICE IN EXISTING DEVICE LOCATION. NEW DEVICES TAGGED WITH "N" INDICATE NEW DEVICE AND LOCATION.
- B. MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS REQUIRED, THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER.
- C. FIELD VERIFY THE EXACT NUMBER AND LOCATIONS OF ALL MECHANICALLY RELATED ITEMS (SPRINKLER CONNECTIONS, EXTINGUISHING SYSTEMS, SMOKE DAMPERS, RANGE HOOD SUPPRESSION SYSTEMS, ETC.) AND MAKE CONNECTIONS AS REQUIRED/INDICATED.
- D. PROVIDE CONNECTIONS TO ALL FIRE PROTECTION TAMPER AND FLOW SWITCHES VIA ZONE ADDRESSABLE MODULES AS REQUIRED. CONTRACTOR SHALL VERIFY ALL LOCATIONS WITH FIRE PROTECTION SYSTEM SHOP DRAWINGS.
- E. ALL FIRE ALARM STROBE LIGHTS SHALL BE SYNCHRONIZED TO ACCOMMODATE BUILDING STANDARDS AS REQUIRED.
- F. TAP HORNS AND HORN/STROBES TO PROVIDE SUFFICIENT INTELLIGIBILITY FOR AREA SERVED.
- G. SMOKE DETECTORS SHALL NOT BE LOCATED CLOSER THAN 36" TO SUPPLY, RETURN, OR EXHAUST AIR OPENINGS NOR CLOSER THAN 12" TO WALL/CEILING INTERSECTIONS.
- H. REFER TO FIRE ALARM OPERATION MATRIX AND BUILDING CONTROL SPECIFICATIONS FOR AHU SHUTDOWN REQUIREMENTS.
- I. PROVIDE DUCK SMOKE DETECTORS WITH REMOTE TEST SWITCH/INDICATOR LIGHT AT 7'-6" AFF ON WALL IN AREA BELOW DETECTOR.
- J. PROVIDE CONNECTIONS TO ACCESS CONTROL DOORS TO ALLOW POSITIVE LATCHING AND FREE EGRESS UNDER ALARM CONDITIONS. COORDINATE EXACT REQUIREMENTS WITH EXISTING DOOR HARDWARE.
- K. PROVIDE ACCESS PANELS AS REQUIRED FOR MAINTENANCE AND TESTING FOR SMOKE DETECTORS LOCATED ABOVE INACCESSIBLE CEILING. COORDINATE SIZE AND LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.
- L. PROVIDE ALL NEW POWER CONNECTIONS AS REQUIRED FOR SYSTEM OPERATION.
- M. PROVIDE A DEDICATED POWER CIRCUIT TO EACH FIRE ALARM EQUIPMENT PANEL OR POWER SUPPLY.
- N. FIRE ALARM OCP DEVICES SHALL HAVE NON-REMOVABLE LOCKABLE HANDLE PAINTED RED.
- O. PROVIDE ADDITIONAL POWER SUPPLIES AND NAC PANELS BASED UPON FINAL SYSTEM DESIGN AND REQUIRED SPARE CAPACITY. LOCATE ADDITIONAL PANELS ADJACENT TO THOSE SHOWN ON PLANS. DO NOT INSTALL ADDITIONAL EQUIPMENT IN OTHER AREAS OF THE PROJECT WITHOUT WRITTEN CONSENT BY THE ENGINEER.

KEY PLAN:



No.	Revisions / Submissions	Date
1	BID SET	11.13.2020

**LWC**  
INCORPORATED  
434 East First Street Dayton, OH 45402 937.223.6500  
712 East Main Street Richmond, IN 47374 765.966.3546

**CMTA**

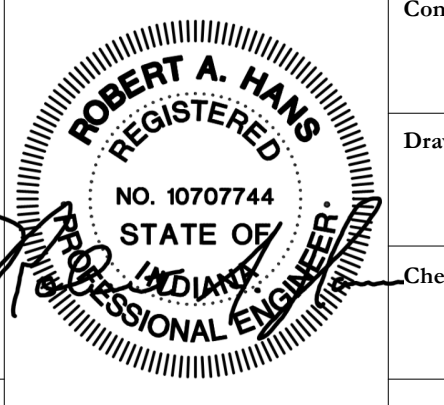
**WE R RICHMOND** RICHMOND COMMUNITY SCHOOLS  
RICHMOND HIGH SCHOOL

**Fire Alarm Upgrades**

380 Hub Eitchison Pkwy  
Richmond IN 47374

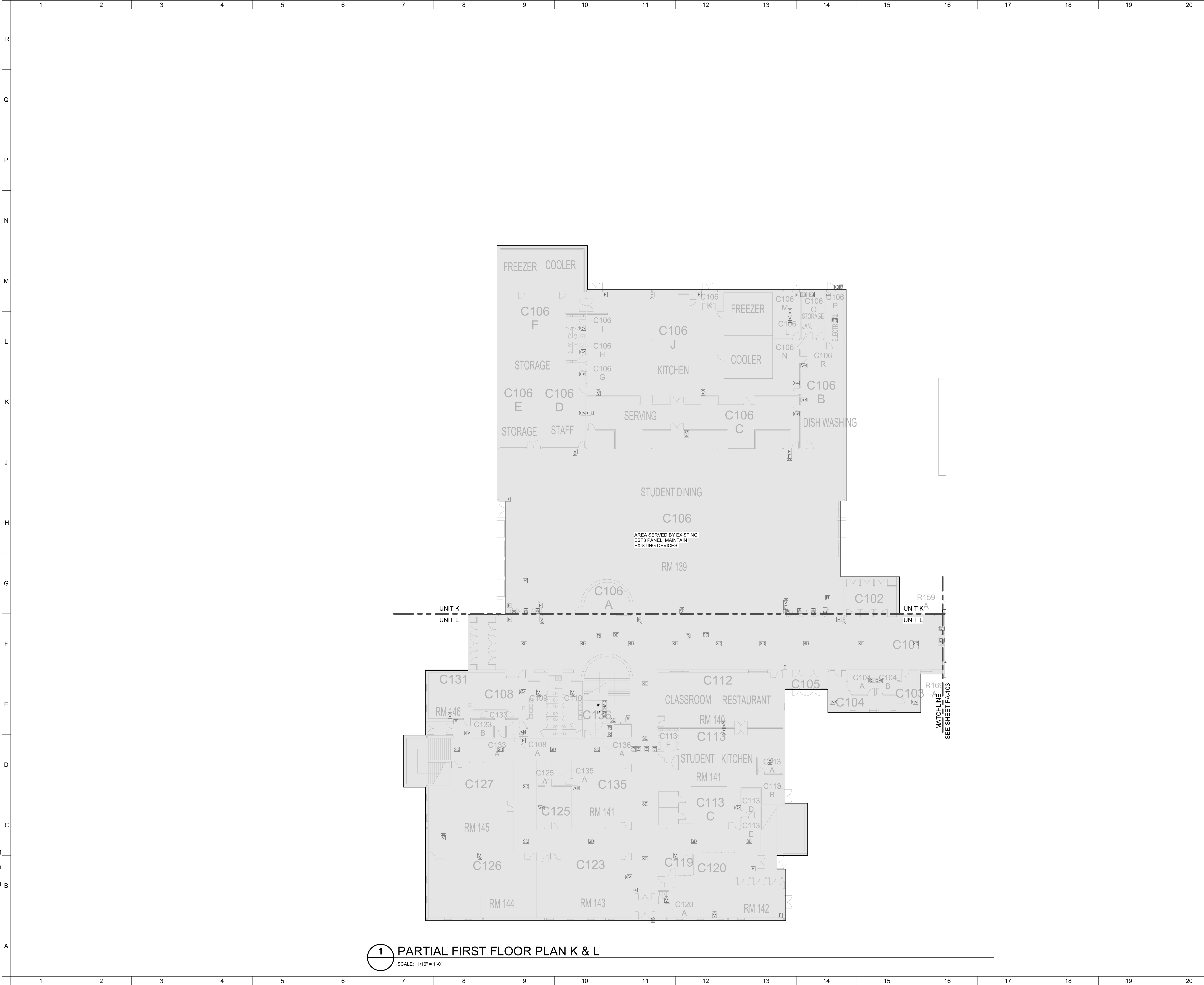
**FIRST FLOOR PLAN J NEW WORK**

Comm. No.	Date
20104.01	11.13.2020
Drawn	Drawing No.
E.SMITH	FA-105
Checked	
G.RIDDLE	





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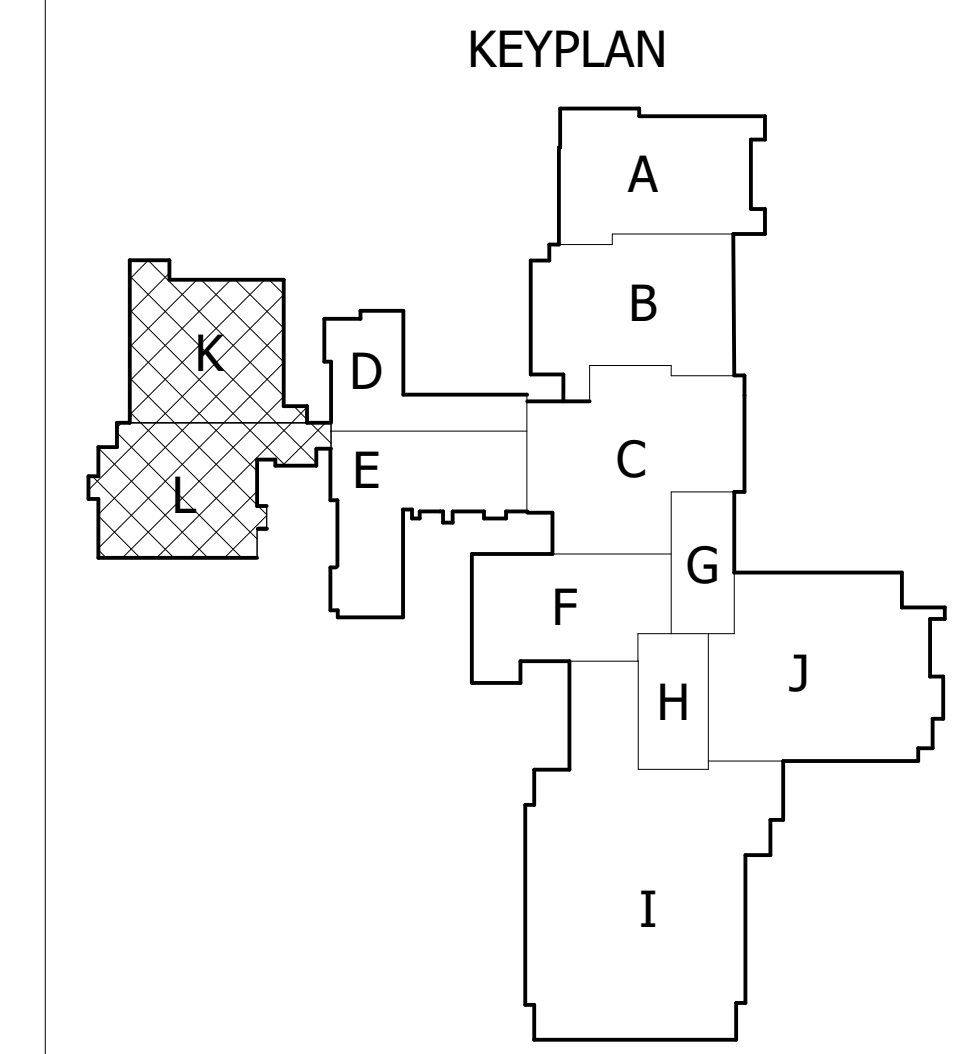


**1 PARTIAL FIRST FLOOR PLAN K & L**  
SCALE: 1/16" = 1'-0"

**GENERAL NOTES:**

- A. THIN SOLID GREY LINES INDICATE EXISTING ITEMS TO REMAIN. SOLID BLACK LINES INDICATE NEW DEVICE IN EXISTING DEVICE LOCATION. NEW DEVICES TAGGED WITH "N" INDICATE NEW DEVICE AND LOCATION.
- B. MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS REQUIRED, THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER.
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- E. ALL FIRE ALARM STROBE LIGHTS SHALL BE SYNCHRONIZED TO ACCOMMODATE BUILDING STANDARDS AS REQUIRED.
- F. TAP HORNS AND HORNSTROBES TO PROVIDE SUFFICIENT INTELLIGIBILITY FOR AREA SERVED.
- G. SMOKE DETECTORS SHALL NOT BE LOCATED CLOSER THAN 36" TO SUPPLY, RETURN, OR EXHAUST AIR OPENINGS NOR CLOSER THAN 12" TO WALL/CEILING INTERSECTIONS.
- H. REFER TO FIRE ALARM OPERATION MATRIX AND BUILDING CONTROL SPECIFICATIONS FOR AHU SHUTDOWN REQUIREMENTS.
- I. PROVIDE DUCK SMOKE DETECTORS WITH REMOTE TEST SWITCH/INDICATOR LIGHT AT 7'-6" AFF ON WALL IN AREA BELOW DETECTOR.
- J. PROVIDE CONNECTIONS TO ACCESS CONTROL DOORS TO ALLOW POSITIVE LATCHING AND FREE EGRESS UNDER ALARM CONDITIONS. COORDINATE EXACT REQUIREMENTS WITH EXISTING DOOR HARDWARE.
- K. PROVIDE ACCESS PANELS AS REQUIRED FOR MAINTENANCE AND TESTING FOR SMOKE DETECTORS LOCATED ABOVE INACCESSIBLE CEILINGS. COORDINATE SIZE AND LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.
- L. PROVIDE ALL NEW POWER CONNECTIONS AS REQUIRED FOR SYSTEM OPERATION.
- M. PROVIDE A DEDICATED POWER CIRCUIT TO EACH FIRE ALARM EQUIPMENT PANEL OR POWER SUPPLY.
- N. FIRE ALARM OCP DEVICES SHALL HAVE NON-REMOVABLE LOCKABLE HANDLE PAINTED RED.
- O. PROVIDE ADDITIONAL POWER SUPPLIES AND NAC PANELS BASED UPON FINAL SYSTEM DESIGN AND REQUIRED SPARE CAPACITY. LOCATE ADDITIONAL PANELS ADJACENT TO THOSE SHOWN ON PLANS. DO NOT INSTALL ADDITIONAL EQUIPMENT IN OTHER AREAS OF THE PROJECT WITHOUT WRITTEN CONSENT BY THE ENGINEER.

**KEY PLAN:**



No.	Revisions / Submissions	Date
1	BID SET	11.13.2020

**LWC**  
INCORPORATED  
434 East First Street Dayton, OH 45402 937.223.6500  
712 East Main Street Richmond, IN 47374 765.966.3546



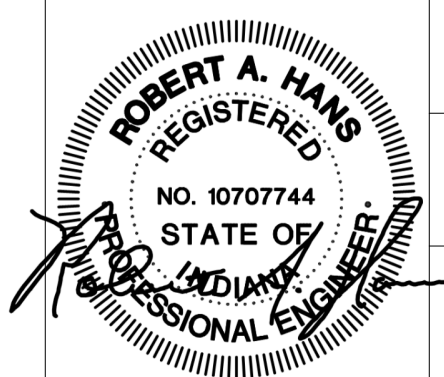
**WE R RICHMOND**  
RICHMOND COMMUNITY SCHOOLS  
RICHMOND HIGH SCHOOL

**Fire Alarm Upgrades**

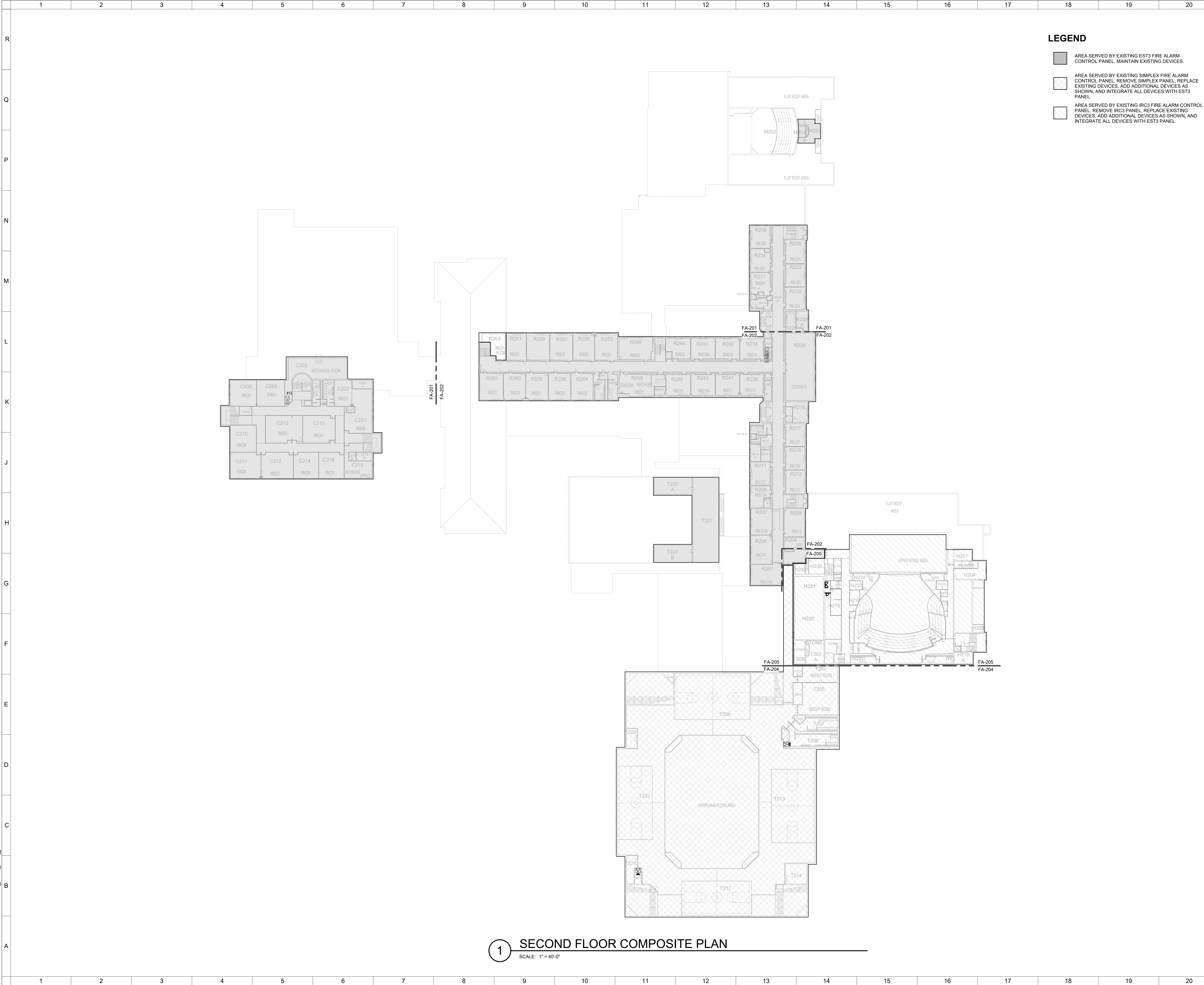
380 Hub Etchison Pkwy  
Richmond IN 47374

**FIRST FLOOR PLAN K & L NEW WORK**

Comm. No.	Date
20104.01	11.13.2020
Drawn	Drawing No.
E.SMITH	FA-106
Checked	
G.RIDDLE	



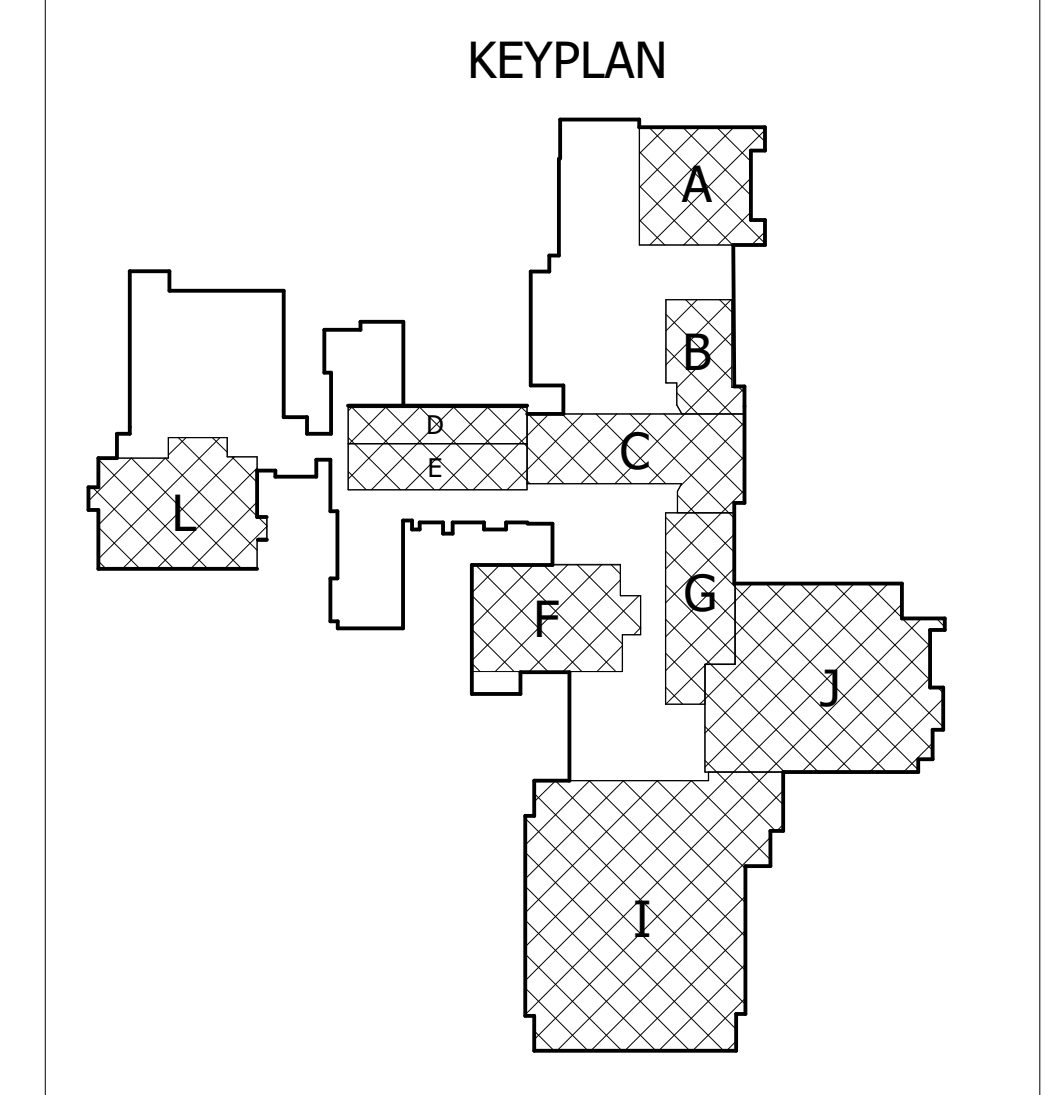
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- LEGEND**
- AREA SERVED BY EXISTING EST3 FIRE ALARM CONTROL PANEL. MAINTAIN EXISTING DEVICES.
  - AREA SERVED BY EXISTING SIMPLEX FIRE ALARM CONTROL PANEL. REMOVE SIMPLEX PANEL. REPLACE EXISTING DEVICES. ADD ADDITIONAL DEVICES AS SHOWN, AND INTEGRATE ALL DEVICES WITH EST3 PANEL.
  - AREA SERVED BY EXISTING IRC3 FIRE ALARM CONTROL PANEL. REMOVE IRC3 PANEL. REPLACE EXISTING DEVICES. ADD ADDITIONAL DEVICES AS SHOWN, AND INTEGRATE ALL DEVICES WITH EST3 PANEL.

GENERAL NOTES:

KEY PLAN:



No.	Revisions / Submissions	Date
1	BID SET	11.13.2020

**LWC**  
 INCORPORATED  
 434 East First Street Dayton, OH 45402 937.223.6500  
 712 East Main Street Richmond, IN 47374 765.966.3546

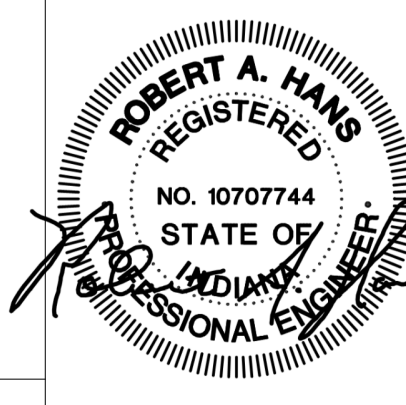


**WE R RICHMOND**  
 RICHMOND COMMUNITY SCHOOLS  
 RICHMOND HIGH SCHOOL

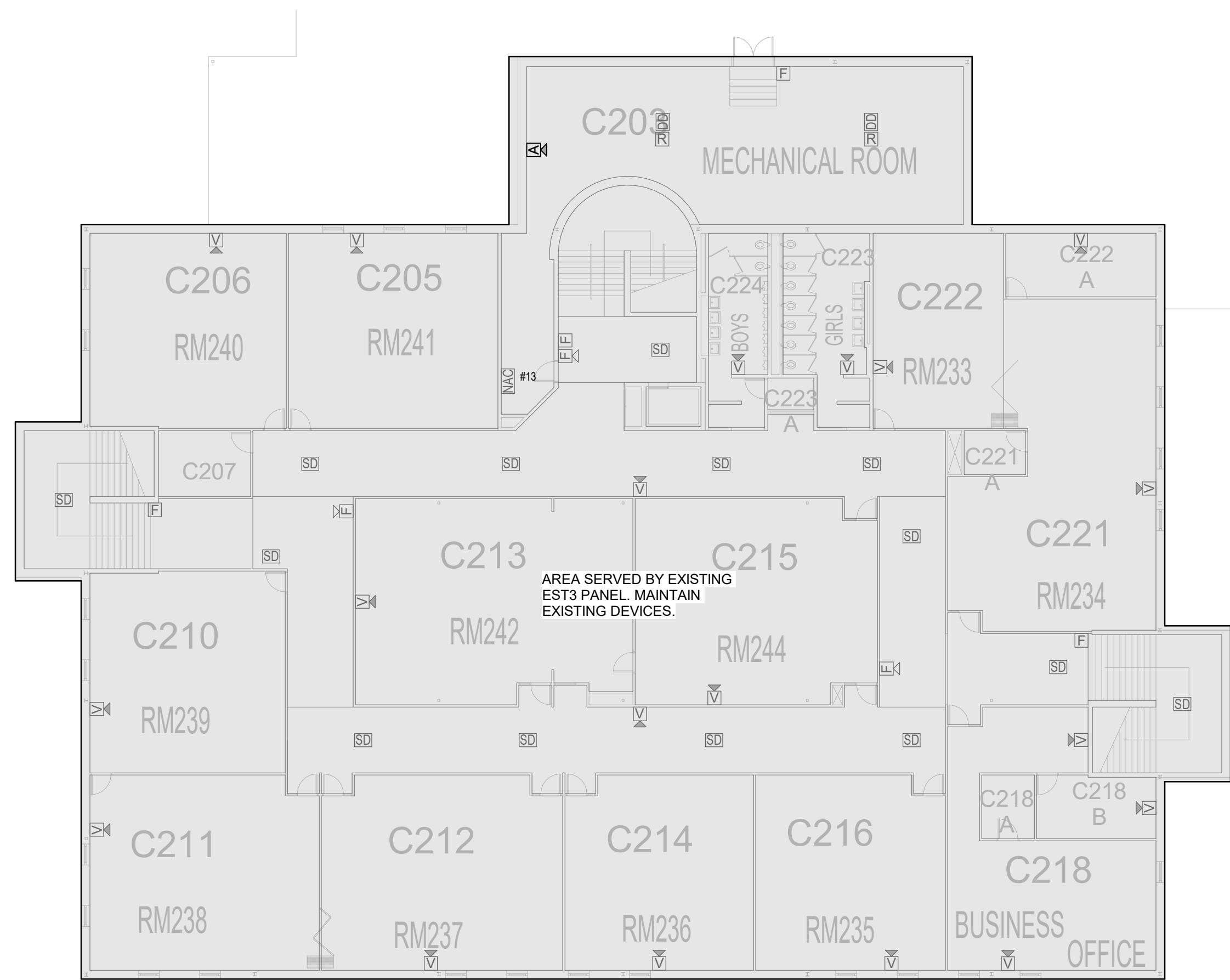
**Fire Alarm Upgrades**  
 380 Hub Eitchison Pkwy  
 Richmond IN 47374

**SECOND FLOOR COMPOSITE PLAN**

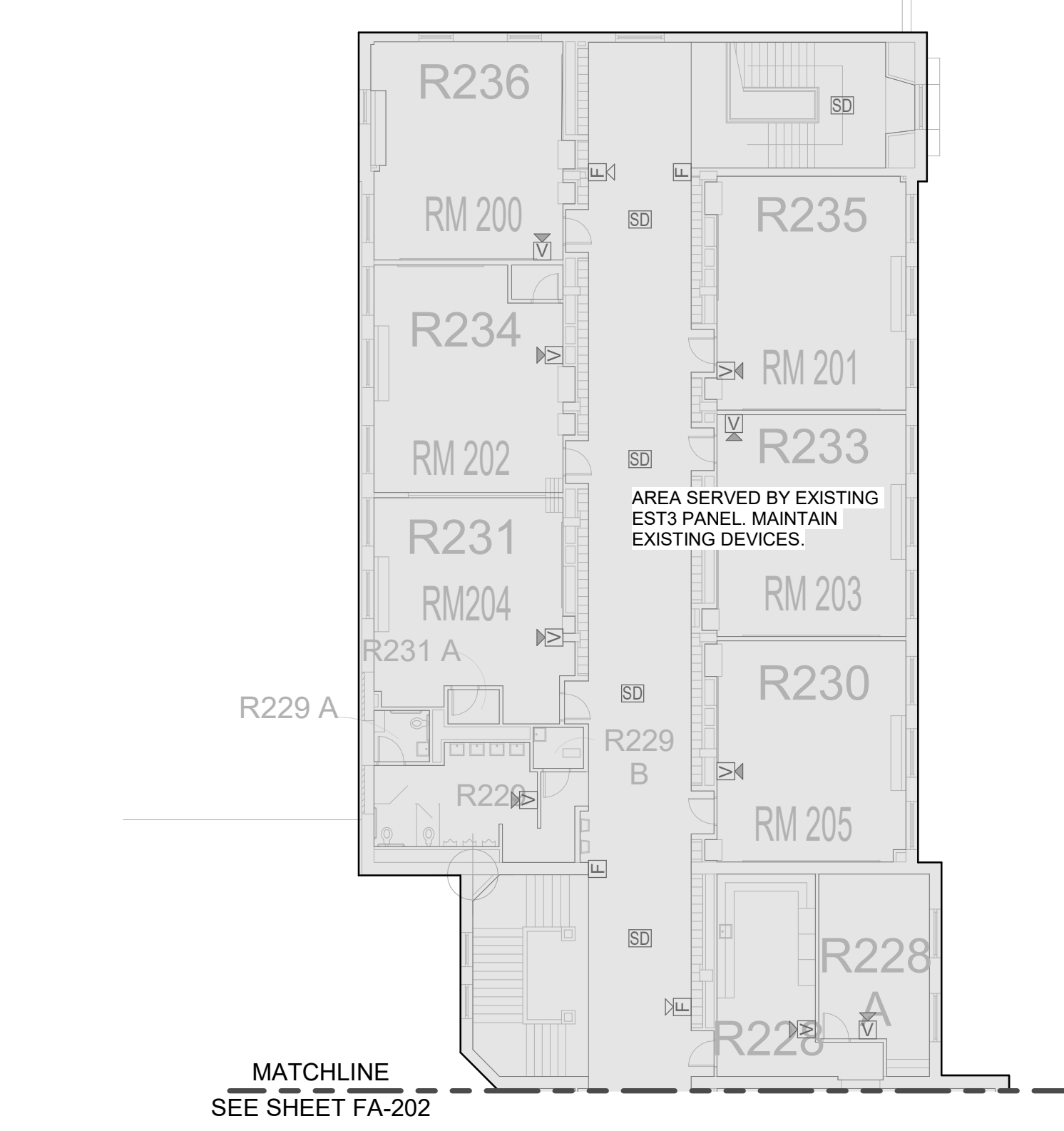
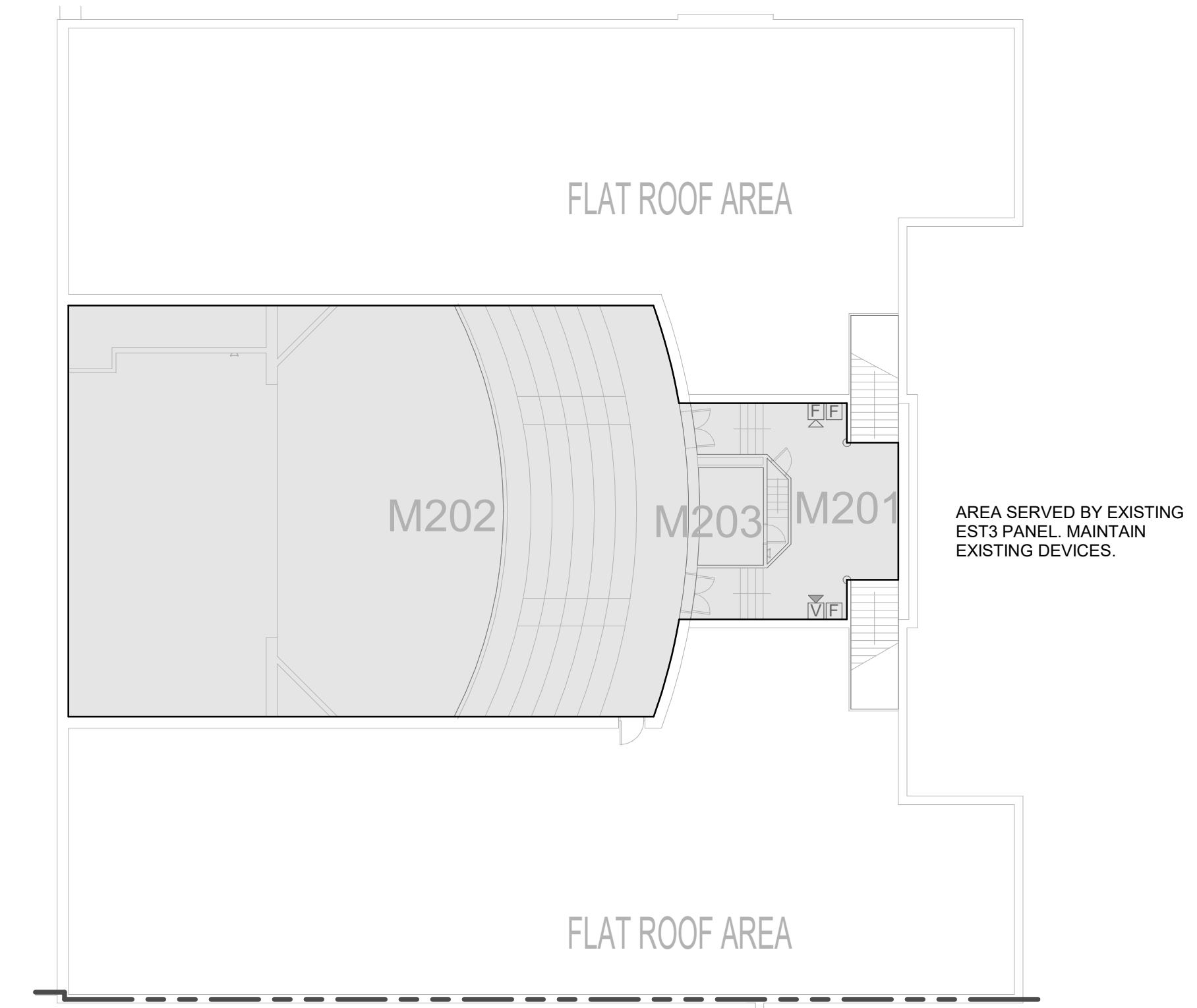
Comm. No.	20104.01	Date	11.13.2020
Drawn	E.SMITH	Drawing No.	FA-200
Checked	G.RIDDLE		



**1 SECOND FLOOR COMPOSITE PLAN**  
 SCALE: 1" = 40'-0"



**1 PARTIAL SECOND FLOOR PLAN L**  
SCALE: 1/16" = 1'-0"

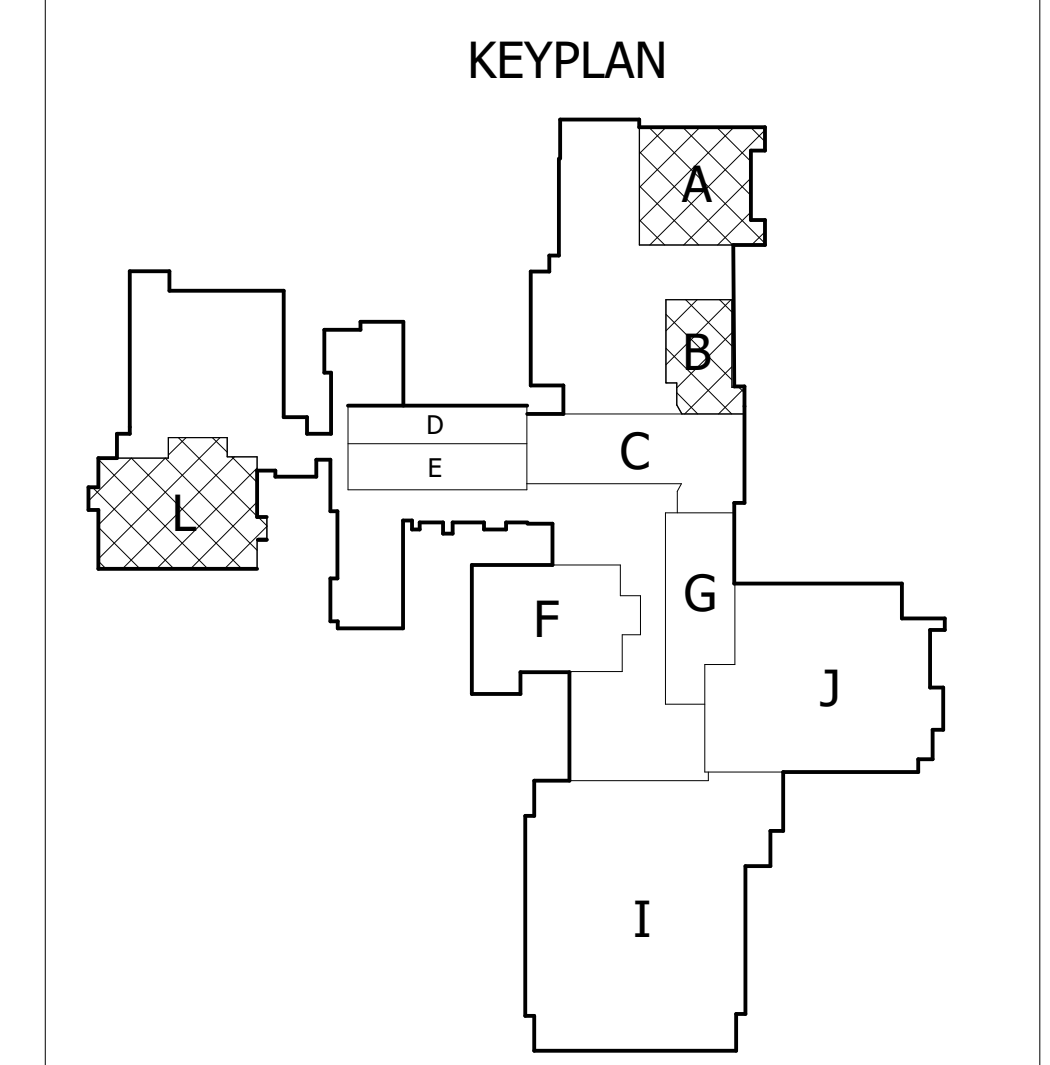


**2 PARTIAL SECOND FLOOR PLAN A & B**  
SCALE: 1/16" = 1'-0"

**GENERAL NOTES:**

- A. THIN SOLID GREY LINES INDICATE EXISTING ITEMS TO REMAIN. SOLID BLACK LINES INDICATE NEW DEVICE IN EXISTING DEVICE LOCATION. NEW DEVICES TAGGED WITH "N" INDICATE NEW DEVICE AND LOCATION.
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- G. SMOKE DETECTORS SHALL NOT BE LOCATED CLOSER THAN 36" TO SUPPLY, RETURN, OR EXHAUST AIR OPENINGS NOR CLOSER THAN 12" TO WALL/CEILING INTERSECTIONS.
- H. REFER TO FIRE ALARM OPERATION MATRIX AND BUILDING CONTROL SPECIFICATIONS FOR AHU SHUTDOWN REQUIREMENTS.
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- M. PROVIDE A DEDICATED POWER CIRCUIT TO EACH FIRE ALARM EQUIPMENT PANEL OR POWER SUPPLY.
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**KEY PLAN:**



No.	Revisions / Submissions	Date
1	BID SET	11.13.2020

**LWC**  
INCORPORATED  
434 East First Street Dayton, OH 45402 937.223.6500  
712 East Main Street Richmond, IN 47374 765.966.3546

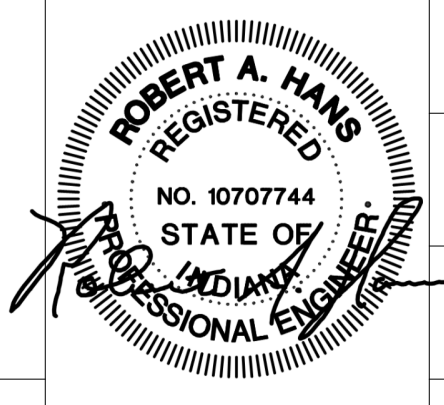
**CMTA**

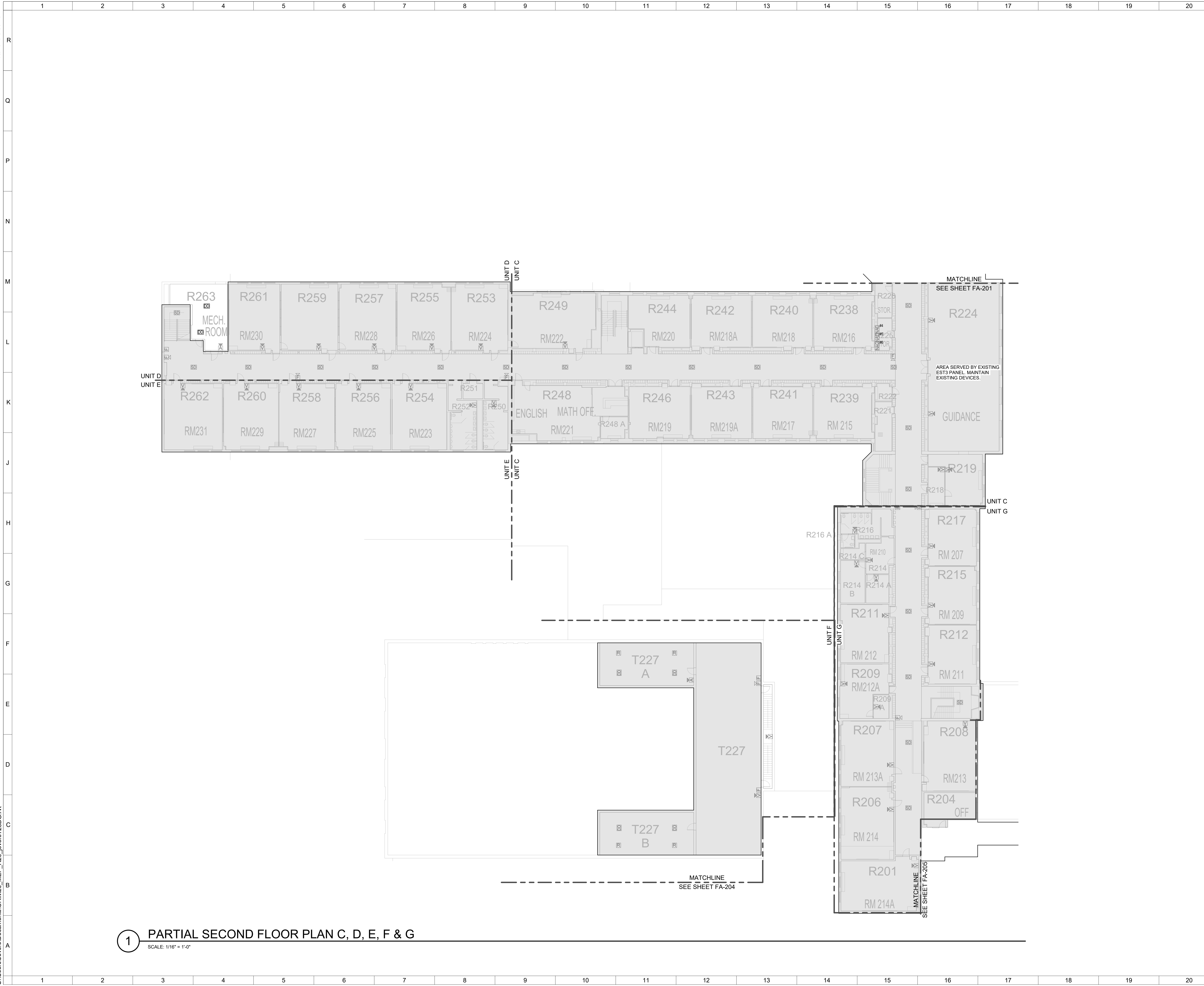
**WE RICHMOND**  
RICHMOND COMMUNITY SCHOOLS  
RICHMOND HIGH SCHOOL

**Fire Alarm Upgrades**  
380 Hub Etchison Pkwy  
Richmond IN 47374

**SECOND FLOOR PLAN A, B & L NEW WORK**

Comm. No.	20104.01	Date	11.13.2020
Drawn	E.SMITH	Drawing No.	FA-201
Checked	G.RIDDLE		



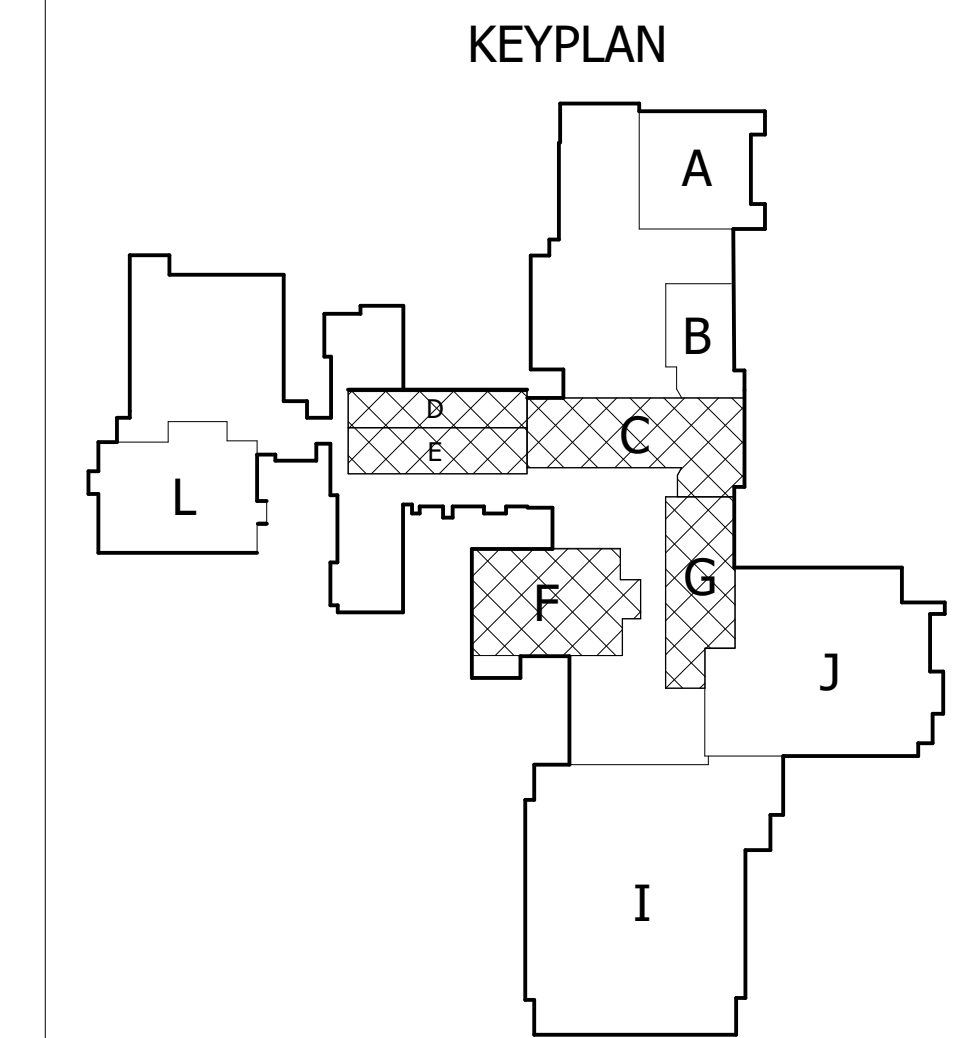


**1 PARTIAL SECOND FLOOR PLAN C, D, E, F & G**  
 SCALE: 1/16" = 1'-0"

**GENERAL NOTES:**

- A. THIN SOLID GREY LINES INDICATE EXISTING ITEMS TO REMAIN. SOLID BLACK LINES INDICATE NEW DEVICE IN EXISTING DEVICE LOCATION. NEW DEVICES TAGGED WITH "N" INDICATE NEW DEVICE AND LOCATION.
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- H. REFER TO FIRE ALARM OPERATION MATRIX AND BUILDING CONTROL SPECIFICATIONS FOR AHU SHUTDOWN REQUIREMENTS.
- I. PROVIDE DUCK SMOKE DETECTORS WITH REMOTE TEST SWITCH/INDICATOR LIGHT AT 7'-6" AFF ON WALL IN AREA BELOW DETECTOR.
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- K. PROVIDE ACCESS PANELS AS REQUIRED FOR MAINTENANCE AND TESTING FOR SMOKE DETECTORS LOCATED ABOVE INACCESSIBLE CEILINGS. COORDINATE SIZE AND LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.
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- M. PROVIDE A DEDICATED POWER CIRCUIT TO EACH FIRE ALARM EQUIPMENT PANEL OR POWER SUPPLY.
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- O. PROVIDE ADDITIONAL POWER SUPPLIES AND NAC PANELS BASED UPON FINAL SYSTEM DESIGN AND REQUIRED SPARE CAPACITY. LOCATE ADDITIONAL PANELS ADJACENT TO THOSE SHOWN ON PLANS. DO NOT INSTALL ADDITIONAL EQUIPMENT IN OTHER AREAS OF THE PROJECT WITHOUT WRITTEN CONSENT BY THE ENGINEER.

**KEY PLAN:**



No.	Revisions / Submissions	Date
1	BID SET	11.13.2020

**LWC**  
 INCORPORATED  
 434 East First Street Dayton, OH 45402 937.223.6500  
 712 East Main Street Richmond, IN 47374 765.966.3546

**CMTA**

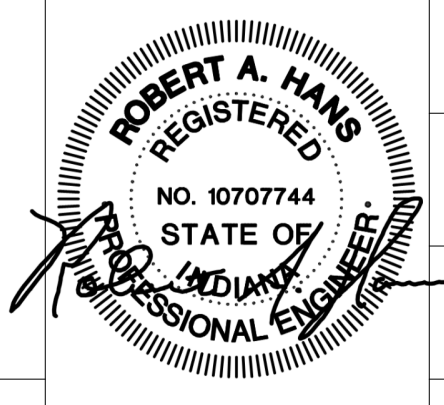
**WE R RICHMOND** RICHMOND COMMUNITY SCHOOLS  
 RICHMOND HIGH SCHOOL

**Fire Alarm Upgrades**  
 380 Hub Etchison Pkwy  
 Richmond IN 47374

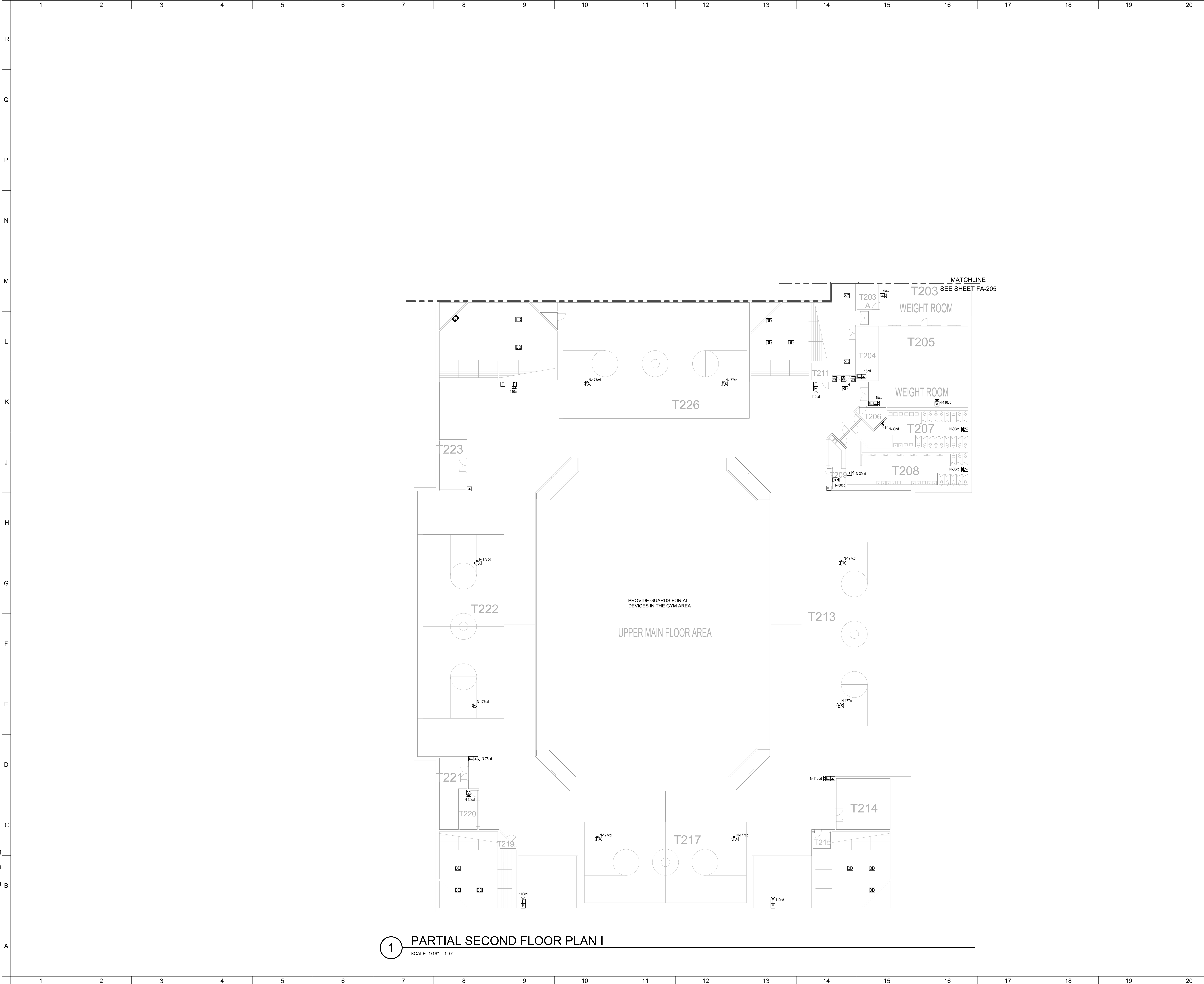
**SECOND FLOOR PLAN C, D, E & G NEW WORK**

Comm. No.	Date
20104.01	11.13.2020
Drawn	Drawing No.
E.SMITH	FA-202
Checked	
G.RIDDLE	

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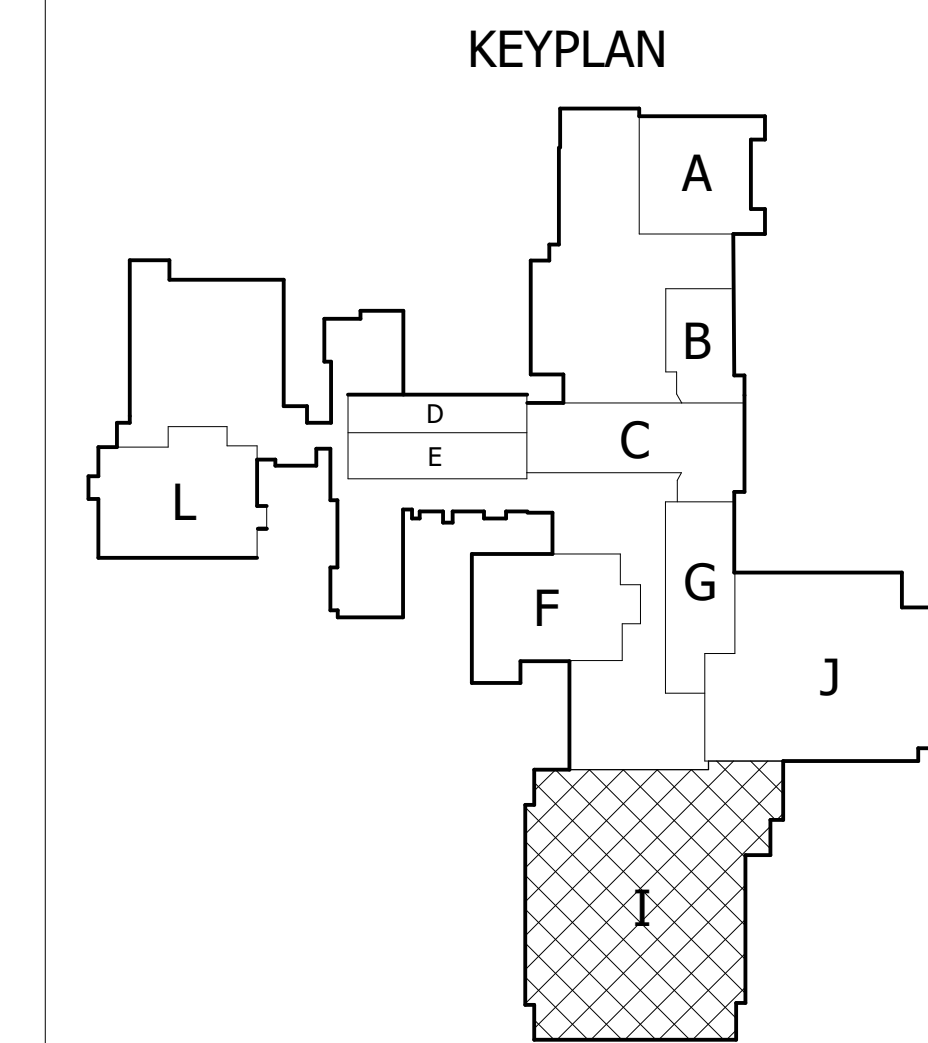


**1 PARTIAL SECOND FLOOR PLAN I**  
SCALE: 1/16" = 1'-0"

**GENERAL NOTES:**

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**KEY PLAN:**



No.	Revisions / Submissions	Date
1	BID SET	11.13.2020

**LWC**  
INCORPORATED  
434 East First Street Dayton, OH 45402 937.223.6500  
712 East Main Street Richmond, IN 47374 765.966.3546

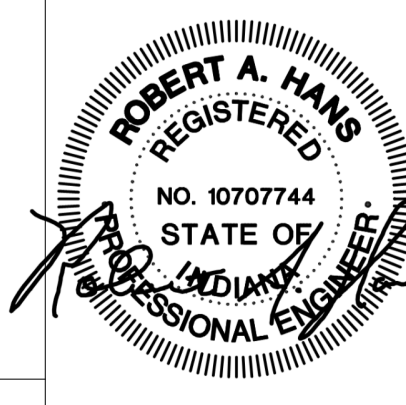
**CMTA**

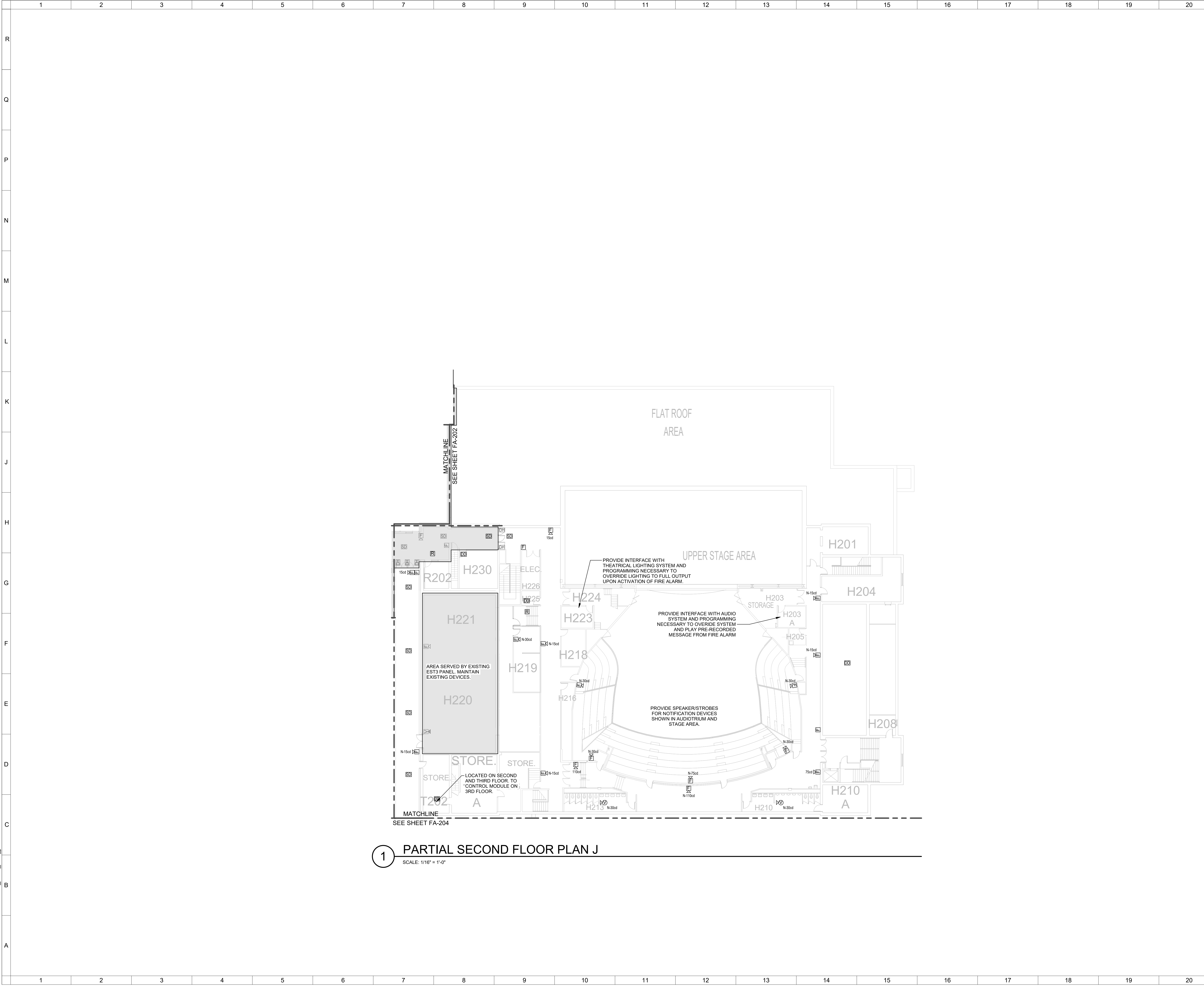
**WE R RICHMOND**  
RICHMOND COMMUNITY SCHOOLS  
RICHMOND HIGH SCHOOL

**Fire Alarm Upgrades**  
380 Hub Etchison Pkwy  
Richmond IN 47374

**SECOND FLOOR PLAN I NEW WORK**

Comm. No.	Date
20104.01	11.13.2020
Drawn	Drawing No.
E.SMITH	FA-204
Checked	
G.RIDDLE	



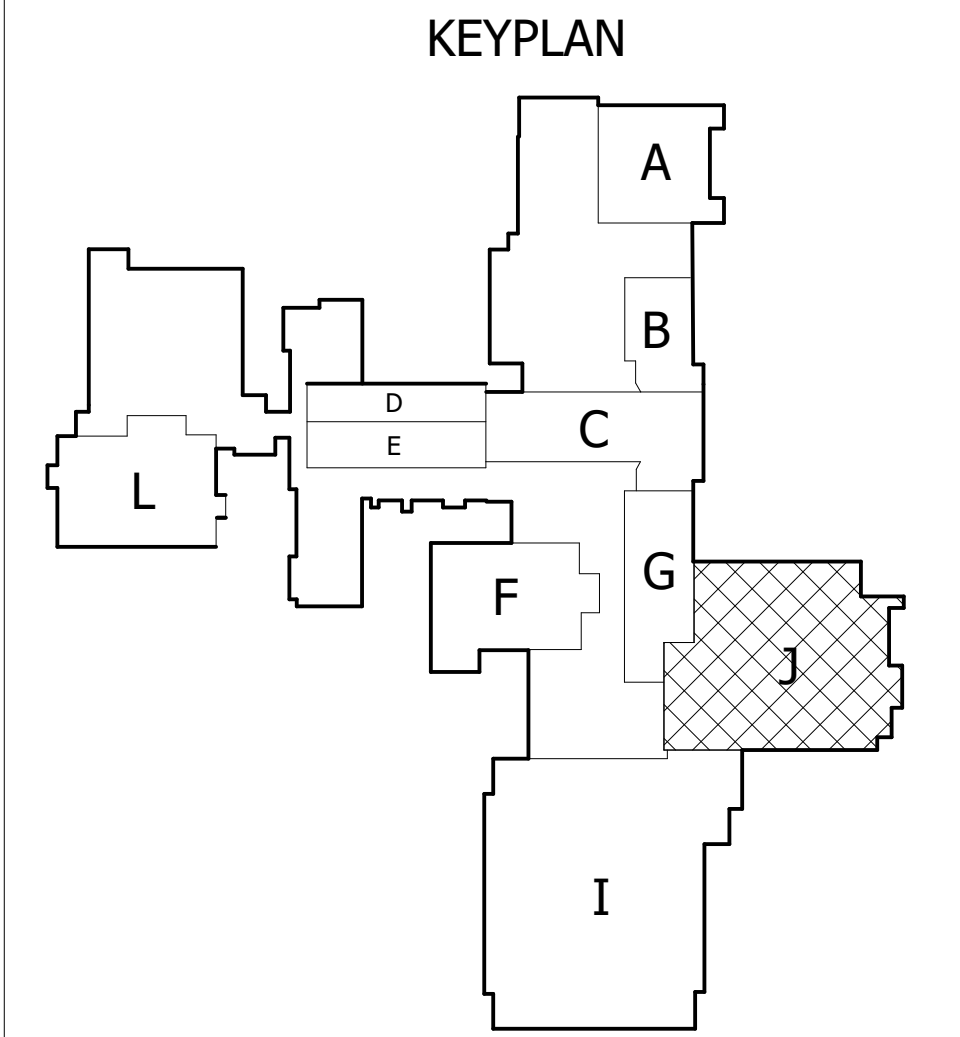


**1 PARTIAL SECOND FLOOR PLAN J**  
 SCALE: 1/16" = 1'-0"

**GENERAL NOTES:**

- A. THIN SOLID GREY LINES INDICATE EXISTING ITEMS TO REMAIN. SOLID BLACK LINES INDICATE NEW DEVICE IN EXISTING DEVICE LOCATION. NEW DEVICES TAGGED WITH "N" INDICATE NEW DEVICE AND LOCATION.
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- E. ALL FIRE ALARM STROBE LIGHTS SHALL BE SYNCHRONIZED TO ACCOMMODATE BUILDING STANDARDS AS REQUIRED.
- F. TAP HORNS AND HORNSTROBES TO PROVIDE SUFFICIENT INTELLIGIBILITY FOR AREA SERVED.
- G. SMOKE DETECTORS SHALL NOT BE LOCATED CLOSER THAN 36" TO SUPPLY, RETURN, OR EXHAUST AIR OPENINGS NOR CLOSER THAN 12" TO WALL/CEILING INTERSECTIONS.
- H. REFER TO FIRE ALARM OPERATION MATRIX AND BUILDING CONTROL SPECIFICATIONS FOR AHU SHUTDOWN REQUIREMENTS.
- I. PROVIDE DUCK SMOKE DETECTORS WITH REMOTE TEST SWITCH/INDICATOR LIGHT AT 7'-6" AFF ON WALL IN AREA BELOW DETECTOR.
- J. PROVIDE CONNECTIONS TO ACCESS CONTROL DOORS TO ALLOW POSITIVE LATCHING AND FREE EGRESS UNDER ALARM CONDITIONS. COORDINATE EXACT REQUIREMENTS WITH EXISTING DOOR HARDWARE.
- K. PROVIDE ACCESS PANELS AS REQUIRED FOR MAINTENANCE AND TESTING FOR SMOKE DETECTORS LOCATED ABOVE INACCESSIBLE CEILINGS. COORDINATE SIZE AND LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.
- L. PROVIDE ALL NEW POWER CONNECTIONS AS REQUIRED FOR SYSTEM OPERATION.
- M. PROVIDE A DEDICATED POWER CIRCUIT TO EACH FIRE ALARM EQUIPMENT PANEL OR POWER SUPPLY.
- N. FIRE ALARM OCP DEVICES SHALL HAVE NON-REMOVABLE LOCKABLE HANDLE PAINTED RED.
- O. PROVIDE ADDITIONAL POWER SUPPLIES AND NAC PANELS BASED UPON FINAL SYSTEM DESIGN AND REQUIRED SPARE CAPACITY. LOCATE ADDITIONAL PANELS ADJACENT TO THOSE SHOWN ON PLANS. DO NOT INSTALL ADDITIONAL EQUIPMENT IN OTHER AREAS OF THE PROJECT WITHOUT WRITTEN CONSENT BY THE ENGINEER.

**KEY PLAN:**



No.	Revisions / Submissions	Date
1	BID SET	11.13.2020

**LWC**  
 INCORPORATED  
 434 East First Street Dayton, OH 45402 937.223.6500  
 712 East Main Street Richmond, IN 47374 765.966.3546



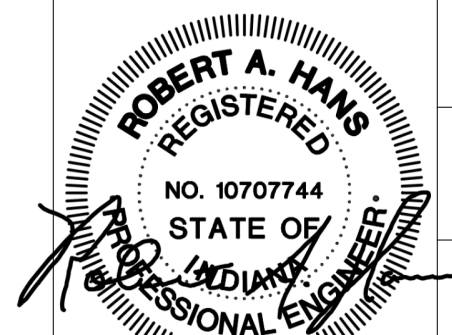
**WE R RICHMOND** RICHMOND COMMUNITY SCHOOLS  
 RICHMOND HIGH SCHOOL

**Fire Alarm Upgrades**

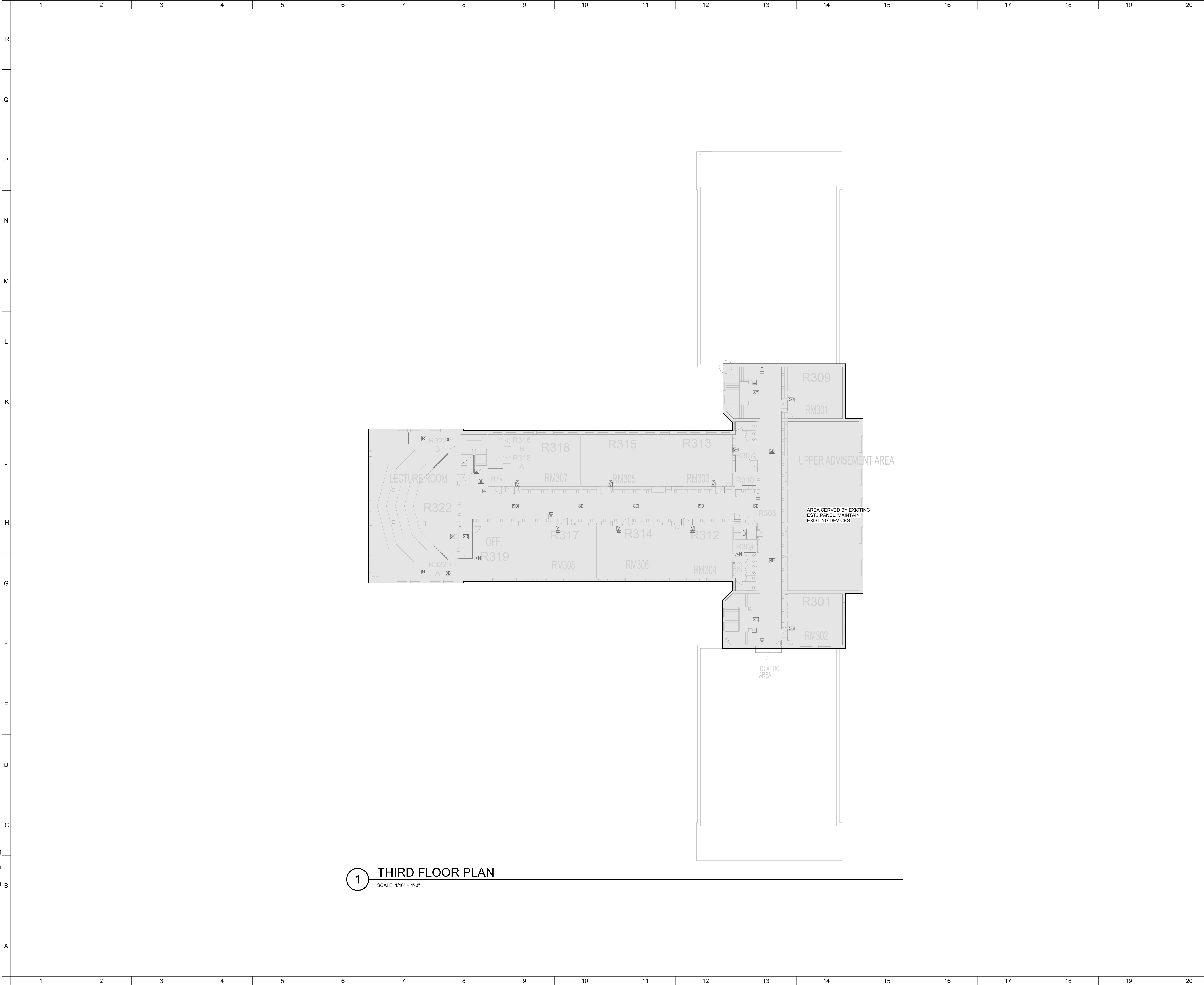
380 Hub Etchison Pkwy  
 Richmond IN 47374

**SECOND FLOOR PLAN J NEW WORK**

Comm. No.	Date
20104.01	11.13.2020
Drawn	Drawing No.
E.SMITH	FA-205
Checked	
G.RIDDLE	



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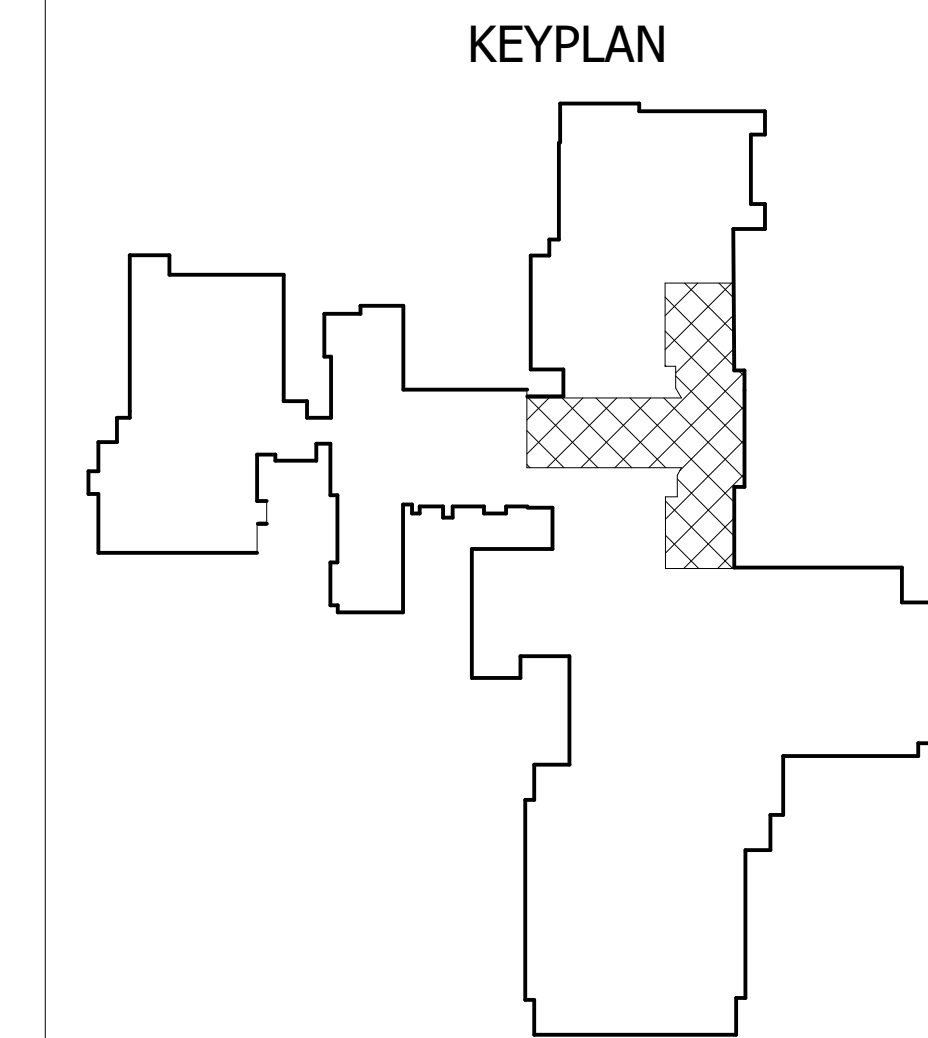


**1** THIRD FLOOR PLAN  
SCALE: 1/16" = 1'-0"

**GENERAL NOTES:**

- A. THIN SOLID GREY LINES INDICATE EXISTING ITEMS TO REMAIN. SOLID BLACK LINES INDICATE NEW DEVICE IN EXISTING DEVICE LOCATION. NEW DEVICES TAGGED WITH "N" INDICATE NEW DEVICE AND LOCATION.
- B. MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS REQUIRED, THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER.
- C. FIELD VERIFY THE EXACT NUMBER AND LOCATIONS OF ALL MECHANICALLY RELATED ITEMS (SPRINKLER CONNECTIONS, EXTINGUISHING SYSTEMS, SMOKE DAMPERS, RANGE HOOD SUPPRESSION SYSTEMS, ETC.) AND MAKE CONNECTIONS AS REQUIRED/INDICATED.
- D. PROVIDE CONNECTIONS TO ALL FIRE PROTECTION TAMPER AND FLOW SWITCHES VIA ZONE ADDRESSABLE MODULES AS REQUIRED. CONTRACTOR SHALL VERIFY ALL LOCATIONS WITH FIRE PROTECTION SYSTEM SHOP DRAWINGS.
- E. ALL FIRE ALARM STROBE LIGHTS SHALL BE SYNCHRONIZED TO ACCOMMODATE BUILDING STANDARDS AS REQUIRED.
- F. TAP HORNS AND HORN PROBES TO PROVIDE SUFFICIENT INTELLIGIBILITY FOR AREA SERVED.
- G. SMOKE DETECTORS SHALL NOT BE LOCATED CLOSER THAN 36" TO SUPPLY, RETURN, OR EXHAUST AIR OPENINGS NOR CLOSER THAN 12" TO WALL/CILING INTERSECTIONS.
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380 Hub Etchison Pkwy  
Richmond IN 47374

**THIRD FLOOR NEW WORK**

Comm. No.	Date
20104.01	11.13.2020
Drawn	Drawing No.
E.SMITH	FA-301
Checked	
G.RIDDLE	

