



GENERAL DEMOLITION NOTES:

- ELECTRICAL CONTRACTOR SHALL EXAMINE THE PROJECT DOCUMENTS AND VISIT THE SITE PRIOR TO SUBMITTING A BID. DO NOT RELY SOLELY ON THE ELECTRICAL PLANS FOR ALL DEMOLITION REQUIREMENTS. REVIEW ALL PROJECT DOCUMENTS PRIOR TO SUBMITTING A BID.
- THE DEMOLITION INFORMATION IS PROVIDED TO ASSIST WITH LABOR COSTS ASSOCIATED WITH THE ELECTRICAL SYSTEMS REMOVAL. THE DEMOLITION CONTRACTOR WILL REMOVE ALL ELECTRICAL COMPONENTS AS NECESSARY.
- CONFIRM WITH THE ARCHITECT'S OFFICE AND/OR CONSTRUCTION MANAGER, PROJECT SCHEDULES AND REVIEW THE ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS PRIOR TO COMMENCING DEMOLITION.
- REMOVE THE ELECTRICAL LIGHTING, RECEPTACLES, SWITCHING, ASSOCIATED CONDUIT, SURFACE RACEWAY, INTERIOR BUILDING CABLE TV DISTRIBUTION, VOICE AND DATA. REMOVE ANY SPECIAL SYSTEMS SUCH AS CATV, TELEPHONE, SOUND, NURSE CALL ETC. AND RELATED CONDUIT/WIRING. REMOVE SURFACE MOUNTED CONDUIT, BOXES, AND NON-METALLIC RACEWAY FROM EXISTING WALLS THAT ARE TO REMAIN AS NECESSARY.
- USE CARE DURING THE DEMOLITION PHASE TO AVOID DAMAGE TO ANY GLAZED BLOCK, TILE OR BRICK VENEERED WALLS THAT ARE TO REMAIN.
- DEMOLITION CONTRACTORS ARE RESPONSIBLE TO CONFIRM ALL QUANTITIES AND DEMOLITION REQUIRED, COMPLETE DEMOLITION IS NOT SHOWN ON THE DRAWINGS.
- WHERE CONDUITS OR NON-METALLIC SHEATHED CABLE ARE ROUTED CONCEALED IN WALL CAVITIES OF WALLS THAT ARE TO REMAIN, ABANDON THE CONDUIT AND/OR CABLE. CUT BACK TO THE POINT OF CONCEALMENT INSIDE THE WALL OR CEILING CAVITY. CUT AND REMOVE THE CONDUIT EXITING THE WALL CAVITY INTO THE CEILING SPACE. DISCONNECT AND REMOVE FEEDS FROM ELECTRICAL PANEL. REMOVE ALL SURFACE MOUNTED OUTLET BOXES ASSOCIATED WITH THE CONDUIT SYSTEMS.
- DISCONNECT AND REMOVE ALL ELECTRICAL EQUIPMENT INCLUDING HANGERS, PULL BOXES, JUNCTION BOXES, RECEPTACLES, SWITCHES, LIGHT FIXTURES, CONDUIT AND WIRING FROM THE POINT OF CONCEALMENT TO THE EQUIPMENT. DISPOSE OF ALL ITEMS (SPECIAL ATTENTION TO LAMPS) AS REQUIRED BY LAW.
- REMOVE ALL TV, VOICE, AND DATA CABLES FROM THE STATIONS NOTED TO BE REMOVED BACK TO THE DISTRIBUTION AREA. REMOVE CABLES, PATCH CORDS AT THE DISTRIBUTION AREAS. REMOVE TV CABLES AND OUTLETS FROM EACH TV/MONITOR LOCATION BACK TO THE DISTRIBUTION AREA.

# KEY NOTES - DEMOLITION:

- DISCONNECT AND REMOVE RACEWAY, WIRING COMPLETE AND UTILITY METER ENCLOSURE ON EXTERIOR WALL.
- REMOVE UTILITY POLE. REMOVE CABLE COMPLETE TO CABLE POLE WEST OF THE ALLEY. COORDINATE WITH UTILITY COMPANY.
- DISCONNECT AND REMOVE RACEWAY AND WIRING COMPLETE. PATCH AND SEAL RACEWAY PENETRATIONS.
- TYPICAL FOR WALLS TO BE REMOVED: REMOVE ELECTRICAL EQUIPMENT, FIXTURES, DEVICES AND INSTALLATIONS INCLUDING RACEWAY AND WIRING TO THE SOURCE.
- TYPICAL FOR WALLS TO REMAIN: REMOVE ELECTRICAL EQUIPMENT, FIXTURES, DEVICES AND INSTALLATIONS. CUT RACEWAY BELOW SURFACE AND REMOVE WIRING. REMOVE RACEWAY IN PLACE. REMOVE WIRING CAP RACEWAYS AND PATCH SURFACE TO MATCH EXISTING FINISH.
- COAX CABLE: DISCONNECT AND REMOVE COMPLETE TO SOURCE. PATCH AND SEAL CABLE PENETRATIONS.
- REMOVE WALL MOUNTED BOX.

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KTS PROJECT NO. 25-0251

**NOTE | IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS TO EXAMINE THE COMPLETE SET OF DRAWINGS AND SPECIFICATIONS AND TO PROVIDE LABOR AND MATERIAL FOR THEIR RESPECTIVE AREA OF WORK FOR A COMPLETE AND FINISHED INSTALLATION IN COMPLIANCE WITH THE INTENT OF THE DRAWINGS AND THE SPECIFICATIONS. SUBMITTAL OF PROPOSAL IMPLIES THAT THE CONTRACTOR/SUBCONTRACTOR HAS REVIEWED ALL CONTRACT DOCUMENTS AND IS FULLY CONVERSANT WITH AND AWARE OF ALL REQUIREMENTS OF ALL DIVISIONS.**

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**FUSCO,  
SHAFFER &  
PAPPAS, INC.**  
ARCHITECTS AND PLANNERS

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13725 DEXTER AVENUE  
CABOT APARTMENTS  
RENOVATION OF

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| 09.15.2026 | OWNER REVISIONS |
| 06.24.2025 | BIDS            |
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KEY PLAN

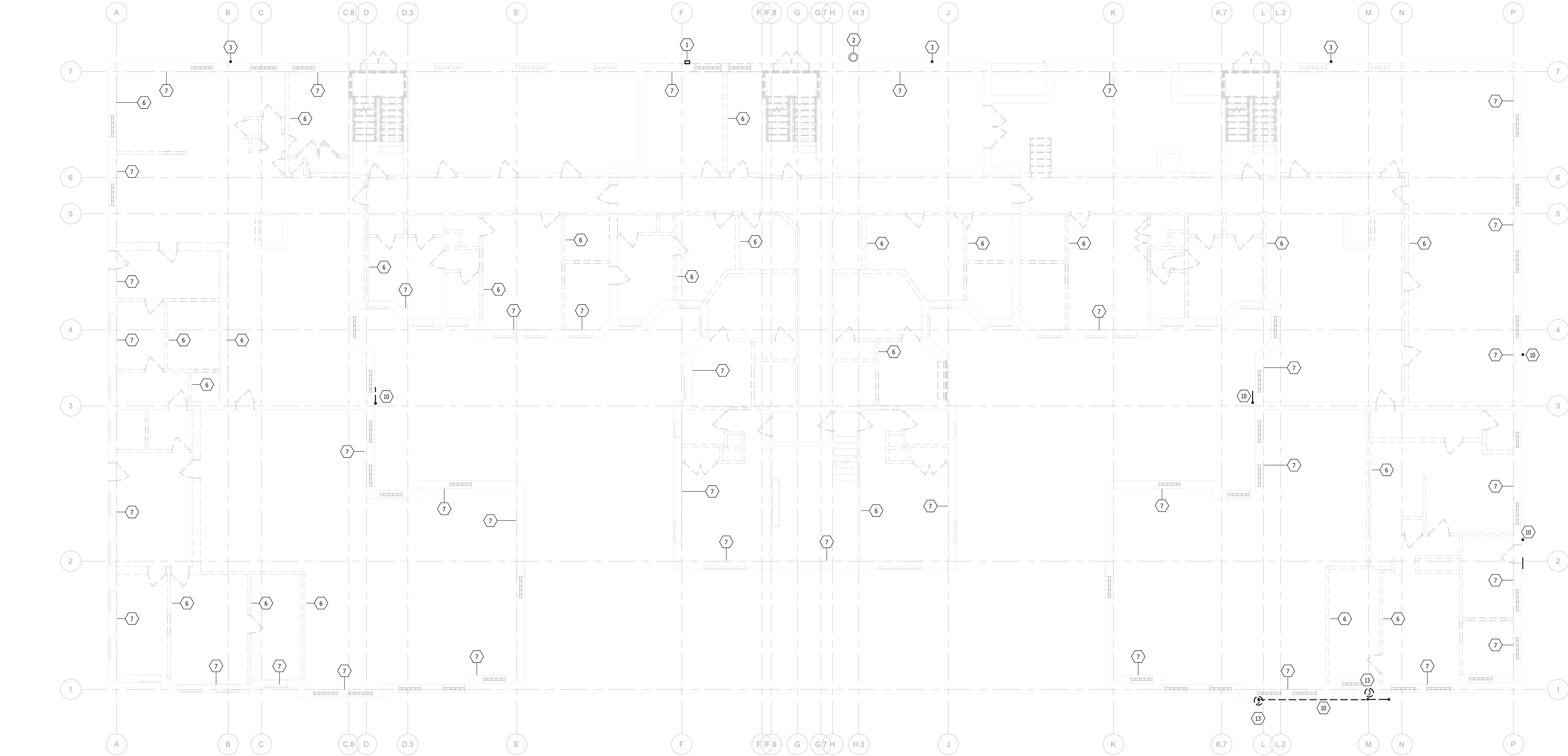
FSP PROJECT NO.  
TRC22.064

DRAWING TITLE

BASEMENT FLOOR DEMOLITION PLAN

DRAWING NUMBER

E.D.101



BASEMENT FLOOR DEMOLITION PLAN

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

GENERAL DEMOLITION NOTES:

- ELECTRICAL CONTRACTOR SHALL EXAMINE THE PROJECT DOCUMENTS AND VISIT THE SITE PRIOR TO SUBMITTING A BID. DO NOT RELY SOLELY ON THE ELECTRICAL PLANS FOR ALL DEMOLITION REQUIREMENTS. REVIEW ALL PROJECT DOCUMENTS PRIOR TO SUBMITTING A BID.
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- REMOVE THE ELECTRICAL LIGHTING, RECEPTACLES, SWITCHING, ASSOCIATED CONDUIT, SURFACE RACEWAY, INTERIOR BUILDING CABLE TV DISTRIBUTION, VOICE AND DATA. REMOVE ANY SPECIAL SYSTEMS SUCH AS CATV, TELEPHONE, SOUND, NURSE CALL ETC. AND RELATED CONDUIT/WIRING. REMOVE SURFACE MOUNTED CONDUIT, BOXES, AND NON-METALLIC RACEWAY FROM EXISTING WALLS THAT ARE TO REMAIN AS NECESSARY.
- USE CARE DURING THE DEMOLITION PHASE TO AVOID DAMAGE TO ANY GLAZED BLOCK, TILE OR BRICK VENEERED WALLS THAT ARE TO REMAIN.
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# KEY NOTES - DEMOLITION:

- REMOVE UTILITY POLE. REMOVE CABLE COMPLETE TO CABLE POLE WEST OF THE ALLEY. COORDINATE WITH UTILITY COMPANY.
- DISCONNECT AND REMOVE RACEWAY AND WIRING COMPLETE. PATCH AND SEAL RACEWAY PENETRATIONS.
- DISCONNECT AND REMOVE LIGHT FIXTURE, RACEWAY AND WIRING COMPLETE.
- DISCONNECT AND REMOVE COMMUNICATION ENCLOSURE AND CABLE COMPLETE. PATCH AND SEAL CABLE PENETRATIONS.
- TYPICAL FOR WALLS TO BE REMOVED: REMOVE ELECTRICAL EQUIPMENT, FIXTURES, DEVICES AND INSTALLATIONS INCLUDING RACEWAY AND WIRING TO THE SOURCE.
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- COAX CABLE: DISCONNECT AND REMOVE COMPLETE TO SOURCE. PATCH AND SEAL CABLE PENETRATIONS.
- DISCONNECT AND REMOVE SOLAR LIGHT FIXTURE.



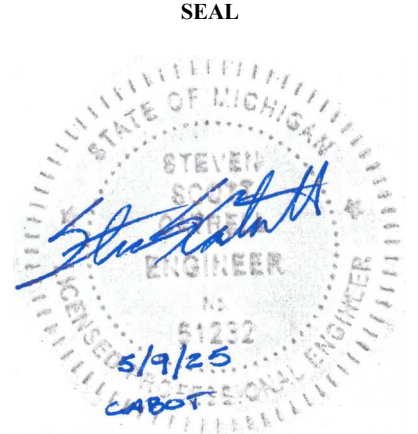
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KTS PROJECT NO. 25-0251

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KEY PLAN

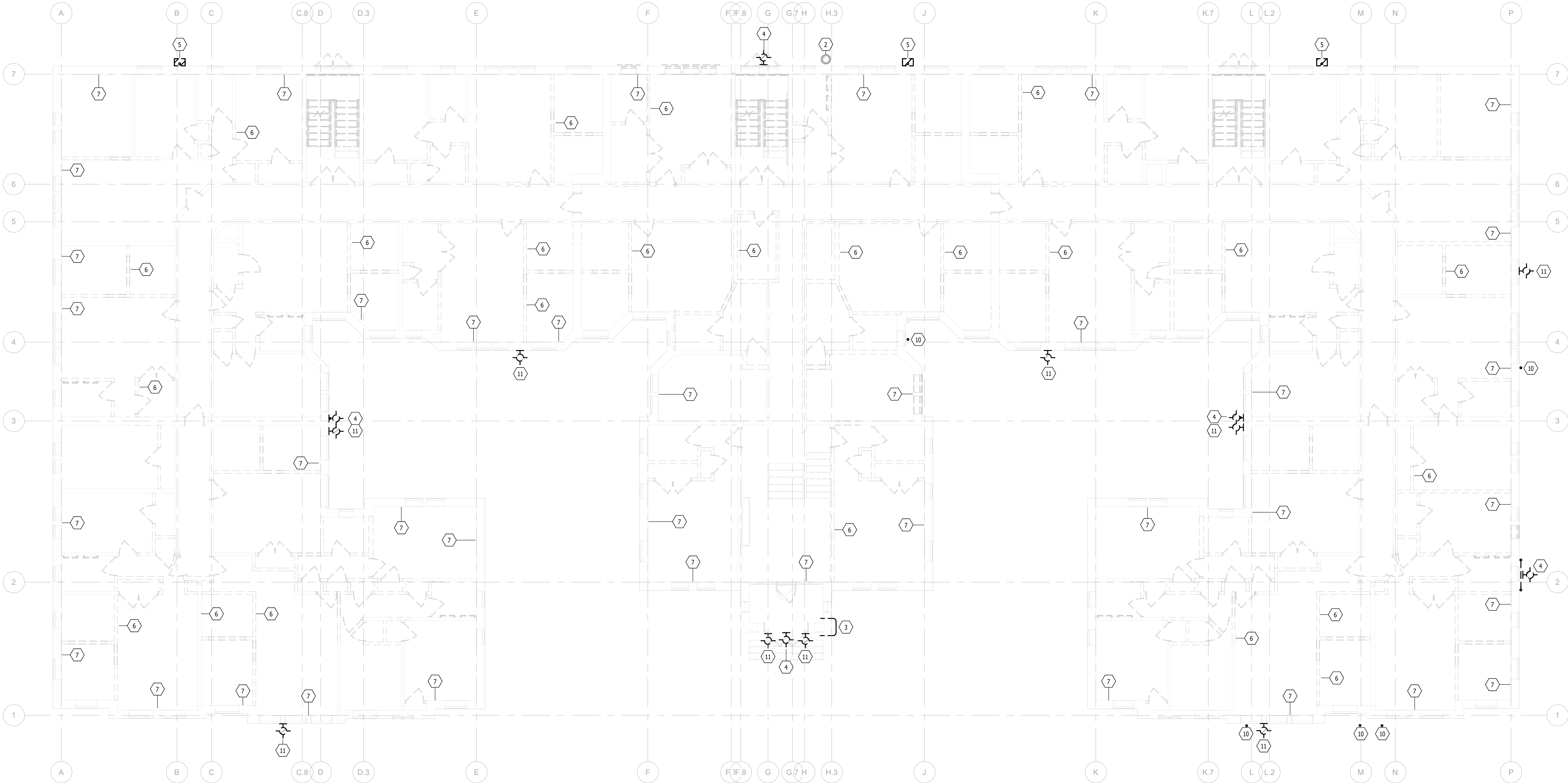
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TRC22.064

DRAWING TITLE

FIRST FLOOR DEMOLITION PLAN

DRAWING NUMBER

E.D.102



FIRST FLOOR DEMOLITION PLAN  
Scale: 1/8" = 1'-0"

GENERAL DEMOLITION NOTES:

1. ELECTRICAL CONTRACTOR SHALL EXAMINE THE PROJECT DOCUMENTS AND VISIT THE SITE PRIOR TO SUBMITTING A BID. DO NOT RELY SOLELY ON THE ELECTRICAL PLANS FOR ALL DEMOLITION REQUIREMENTS. REVIEW ALL PROJECT DOCUMENTS PRIOR TO SUBMITTING A BID.
2. THE DEMOLITION INFORMATION IS PROVIDED TO ASSIST WITH LABOR COSTS ASSOCIATED WITH THE ELECTRICAL SYSTEMS REMOVAL. THE DEMOLITION CONTRACTOR WILL REMOVE ALL ELECTRICAL COMPONENTS AS NECESSARY.
3. CONFIRM WITH THE ARCHITECT'S OFFICE AND/OR CONSTRUCTION MANAGER, PROJECT SCHEDULES AND REVIEW THE ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS PRIOR TO COMMENCING DEMOLITION.
4. REMOVE THE ELECTRICAL LIGHTING, RECEPTACLES, SWITCHING, ASSOCIATED CONDUIT, SURFACE RACEWAY, INTERIOR BUILDING CABLE TV DISTRIBUTION, VOICE AND DATA. REMOVE ANY SPECIAL SYSTEMS SUCH AS CATV, TELEPHONE, SOUND, NURSE CALL ETC. AND RELATED CONDUIT/WIRING. REMOVE SURFACE MOUNTED CONDUIT, BOXES, AND NON-METALLIC RACEWAY FROM EXISTING WALLS THAT ARE TO REMAIN AS NECESSARY.
5. USE CARE DURING THE DEMOLITION PHASE TO AVOID DAMAGE TO ANY GLAZED BLOCK, TILE OR BRICK VENEERED WALLS THAT ARE TO REMAIN.
6. DEMOLITION CONTRACTORS ARE RESPONSIBLE TO CONFIRM ALL QUANTITIES AND DEMOLITION REQUIRED, COMPLETE DEMOLITION IS NOT SHOWN ON THE DRAWINGS.
7. WHERE CONDUITS OR NON-METALLIC SHEATHED CABLE ARE ROUTED CONCEALED IN WALL CAVITIES OF WALLS THAT ARE TO REMAIN, ABANDON THE CONDUIT AND/OR CABLE. CUT BACK TO THE POINT OF CONCEALMENT INSIDE THE WALL OR CEILING CAVITY. CUT AND REMOVE THE CONDUIT EXITING THE WALL CAVITY INTO THE CEILING SPACE. DISCONNECT AND REMOVE FEEDS FROM ELECTRICAL PANEL. REMOVE ALL SURFACE MOUNTED OUTLET BOXES ASSOCIATED WITH THE CONDUIT SYSTEMS.
8. DISCONNECT AND REMOVE ALL ELECTRICAL EQUIPMENT INCLUDING HANGERS, PULL BOXES, JUNCTION BOXES, RECEPTACLES, SWITCHES, LIGHT FIXTURES, CONDUIT AND WIRING FROM THE POINT OF CONCEALMENT TO THE EQUIPMENT. DISPOSE OF ALL ITEMS (SPECIAL ATTENTION TO LAMPS) AS REQUIRED BY LAW.
9. REMOVE ALL TV, VOICE, AND DATA CABLES FROM THE STATIONS NOTED TO BE REMOVED BACK TO THE DISTRIBUTION AREA. REMOVE CABLES, PATCH CORDS AT THE DISTRIBUTION AREAS. REMOVE TV CABLES AND OUTLETS FROM EACH TV/MONITOR LOCATION BACK TO THE DISTRIBUTION AREA.

# KEY NOTES - DEMOLITION:

- 4 DISCONNECT AND REMOVE LIGHT FIXTURE, RACEWAY AND WIRING COMPLETE.
- 6 TYPICAL FOR WALLS TO BE REMOVED: REMOVE ELECTRICAL EQUIPMENT, FIXTURES, DEVICES AND INSTALLATIONS INCLUDING RACEWAY AND WIRING TO THE SOURCE.
- 7 TYPICAL FOR WALLS TO REMAIN: REMOVE ELECTRICAL EQUIPMENT, FIXTURES, DEVICES AND INSTALLATIONS. CUT RACEWAY BELOW SURFACE AND REMOVE WIRING. REMOVE RACEWAY IN PLACE. REMOVE WIRING CAP RACEWAYS AND PATCH SURFACE TO MATCH EXISTING FINISH.
- 10 COAX CABLE. DISCONNECT AND REMOVE COMPLETE TO SOURCE. PATCH AND SEAL CABLE PENETRATIONS.

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KEY PLAN

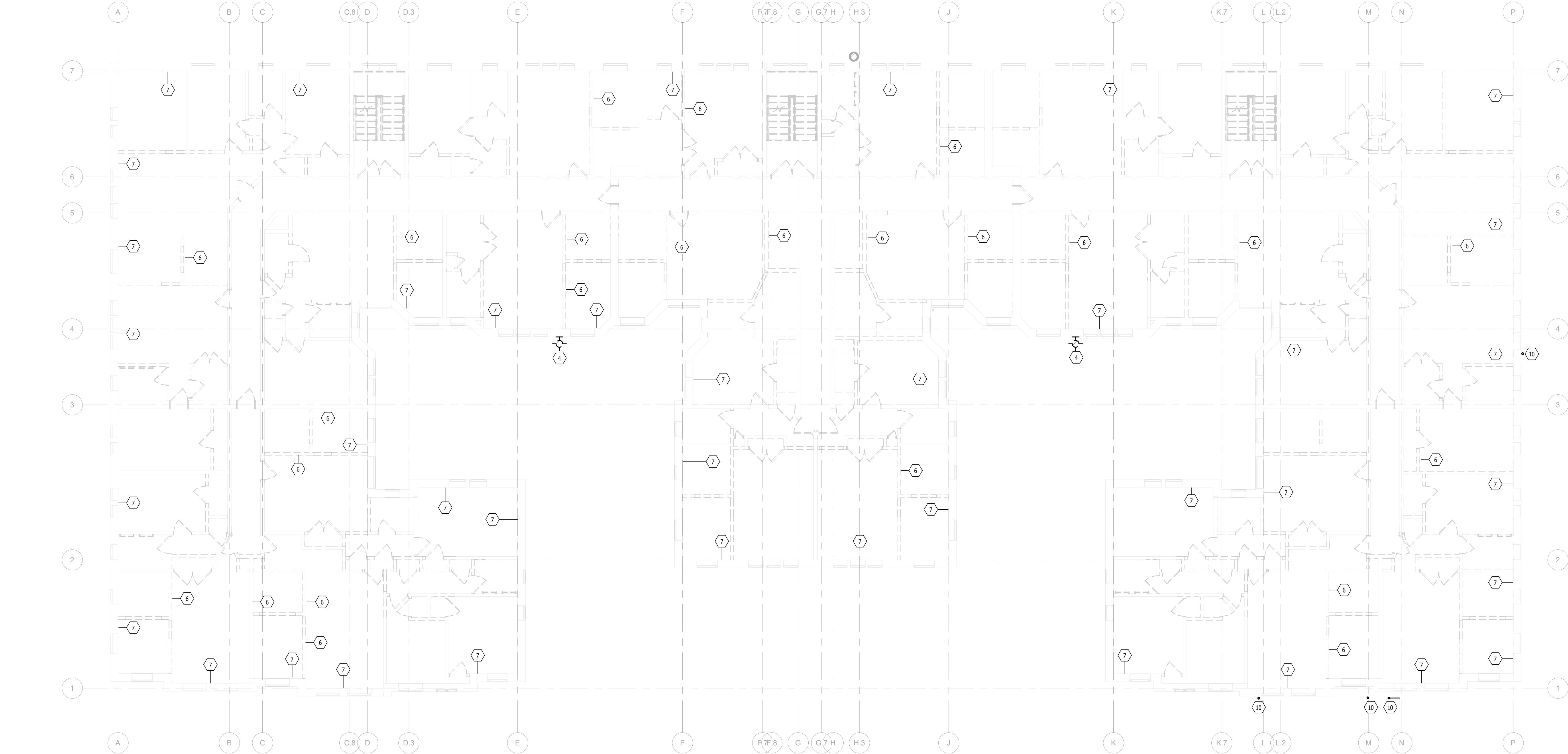
FSP PROJECT NO.  
TRC22064

DRAWING TITLE

SECOND FLOOR DEMOLITION PLAN

DRAWING NUMBER

E.D.103



SECOND FLOOR DEMOLITION PLAN

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

GENERAL DEMOLITION NOTES:

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- CONFIRM WITH THE ARCHITECT'S OFFICE AND/OR CONSTRUCTION MANAGER, PROJECT SCHEDULES AND REVIEW THE ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS PRIOR TO COMMENCING DEMOLITION.
- REMOVE THE ELECTRICAL LIGHTING, RECEPTACLES, SWITCHING, ASSOCIATED CONDUIT, SURFACE RACEWAY, INTERIOR BUILDING CABLE TV DISTRIBUTION, VOICE AND DATA. REMOVE ANY SPECIAL SYSTEMS SUCH AS CATV, TELEPHONE, SOUND, NURSE CALL ETC. AND RELATED CONDUIT/WIRING. REMOVE SURFACE MOUNTED CONDUIT, BOXES, AND NON-METALLIC RACEWAY FROM EXISTING WALLS THAT ARE TO REMAIN AS NECESSARY.
- USE CARE DURING THE DEMOLITION PHASE TO AVOID DAMAGE TO ANY GLAZED BLOCK, TILE OR BRICK VENEERED WALLS THAT ARE TO REMAIN.
- DEMOLITION CONTRACTORS ARE RESPONSIBLE TO CONFIRM ALL QUANTITIES AND DEMOLITION REQUIRED, COMPLETE DEMOLITION IS NOT SHOWN ON THE DRAWINGS.
- WHERE CONDUITS OR NON-METALLIC SHEATHED CABLE ARE ROUTED CONCEALED IN WALL CAVITIES OF WALLS THAT ARE TO REMAIN, ABANDON THE CONDUIT AND/OR CABLE. CUT BACK TO THE POINT OF CONCEALMENT INSIDE THE WALL OR CEILING CAVITY. CUT AND REMOVE THE CONDUIT EXITING THE WALL CAVITY INTO THE CEILING SPACE. DISCONNECT AND REMOVE FEEDS FROM ELECTRICAL PANEL. REMOVE ALL SURFACE MOUNTED OUTLET BOXES ASSOCIATED WITH THE CONDUIT SYSTEMS.
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# KEY NOTES - DEMOLITION:

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KEY PLAN

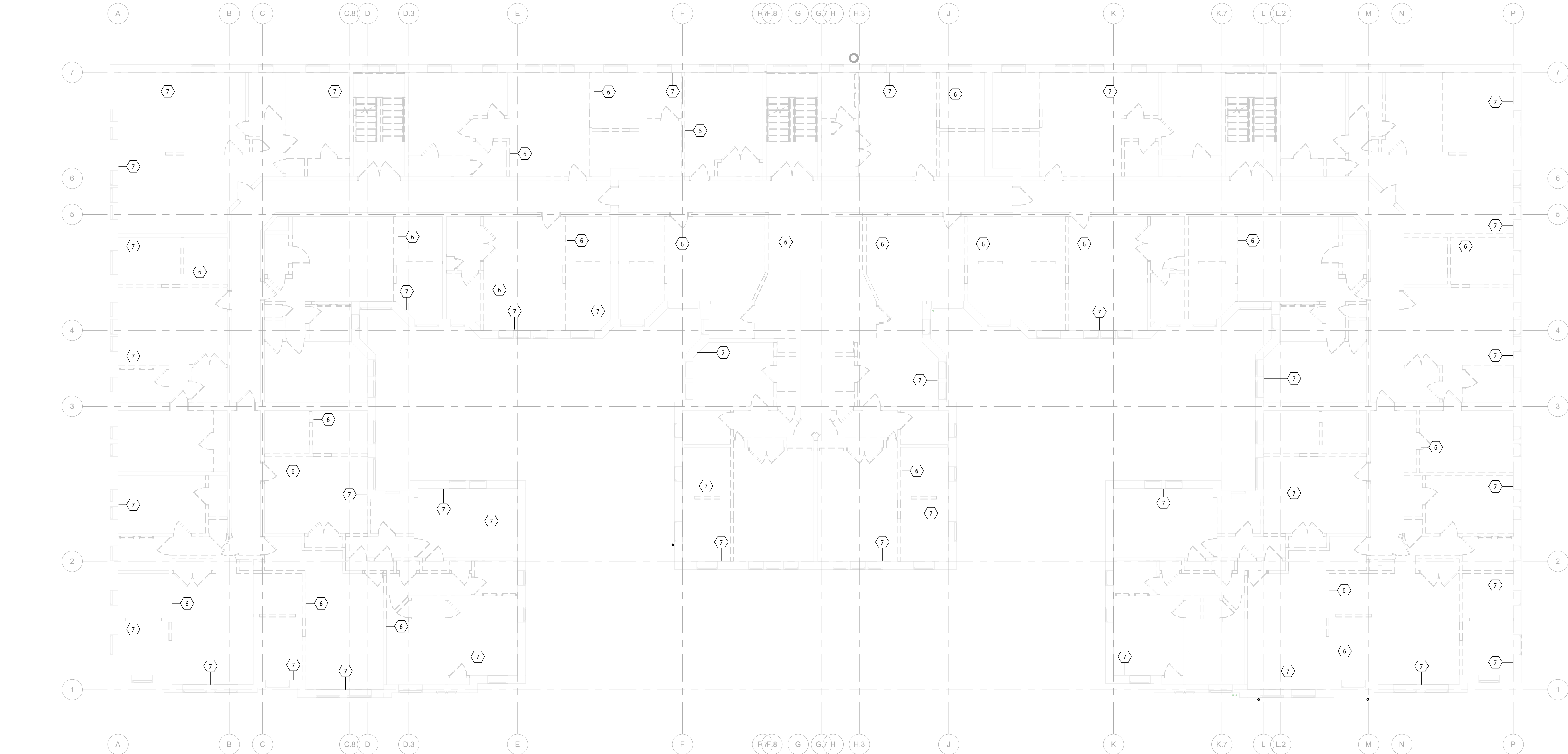
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TRC22.064

DRAWING TITLE

THIRD FLOOR DEMOLITION PLAN

DRAWING NUMBER

E.D.104



 **THIRD FLOOR DEMOLITION PLAN**  
Scale: 1/8" = 1'-0"

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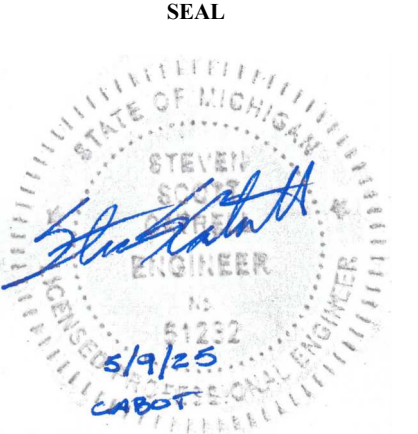
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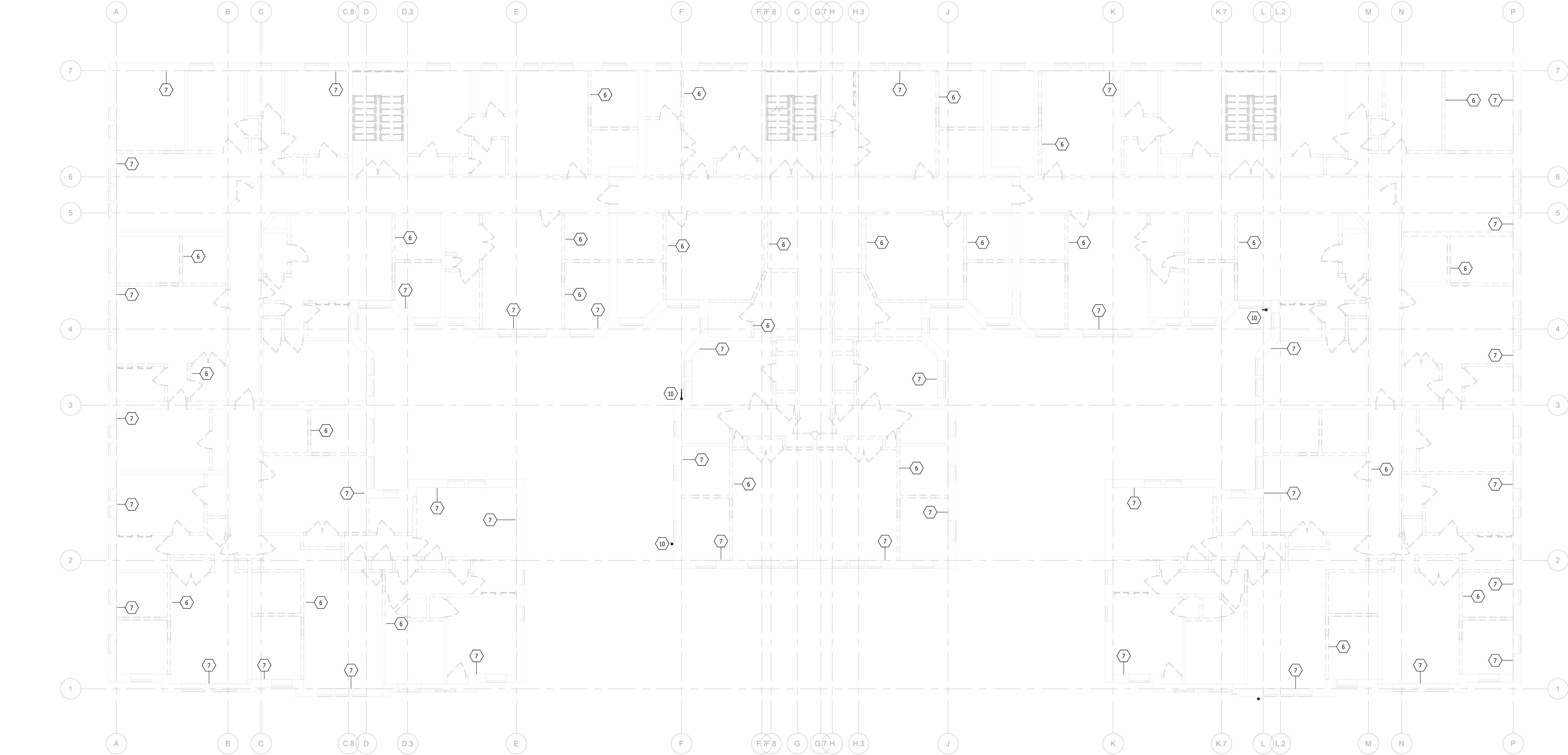
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DRAWING TITLE

FOURTH FLOOR DEMOLITION PLAN

DRAWING NUMBER

E.D.105



**FOURTH FLOOR DEMOLITION PLAN**  
Scale: 1/8" = 1'-0"

GENERAL DEMOLITION NOTES:

1. ELECTRICAL CONTRACTOR SHALL EXAMINE THE PROJECT DOCUMENTS AND VISIT THE SITE PRIOR TO SUBMITTING A BID. DO NOT RELY SOLELY ON THE ELECTRICAL PLANS FOR ALL DEMOLITION REQUIREMENTS. REVIEW ALL PROJECT DOCUMENTS PRIOR TO SUBMITTING A BID.
2. THE DEMOLITION INFORMATION IS PROVIDED TO ASSIST WITH LABOR COSTS ASSOCIATED WITH THE ELECTRICAL SYSTEMS REMOVAL. THE DEMOLITION CONTRACTOR WILL REMOVE ALL ELECTRICAL COMPONENTS AS NECESSARY.
3. CONFIRM WITH THE ARCHITECT'S OFFICE AND/OR CONSTRUCTION MANAGER, PROJECT SCHEDULES AND REVIEW THE ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS PRIOR TO COMMENCING DEMOLITION.
4. REMOVE THE ELECTRICAL LIGHTING, RECEPTACLES, SWITCHING, ASSOCIATED CONDUIT, SURFACE RACEWAY, INTERIOR BUILDING CABLE TV DISTRIBUTION, VOICE AND DATA. REMOVE ANY SPECIAL SYSTEMS SUCH AS CATV, TELEPHONE, SOUND, NURSE CALL ETC. AND RELATED CONDUIT/WIRING. REMOVE SURFACE MOUNTED CONDUIT, BOXES, AND NON-METALLIC RACEWAY FROM EXISTING WALLS THAT ARE TO REMAIN AS NECESSARY.
5. USE CARE DURING THE DEMOLITION PHASE TO AVOID DAMAGE TO ANY GLAZED BLOCK, TILE OR BRICK VENEERED WALLS THAT ARE TO REMAIN.
6. DEMOLITION CONTRACTORS ARE RESPONSIBLE TO CONFIRM ALL QUANTITIES AND DEMOLITION REQUIRED, COMPLETE DEMOLITION IS NOT SHOWN ON THE DRAWINGS.
7. WHERE CONDUITS OR NON-METALLIC SHEATHED CABLE ARE ROUTED CONCEALED IN WALL CAVITIES OF WALLS THAT ARE TO REMAIN, ABANDON THE CONDUIT AND/OR CABLE. CUT BACK TO THE POINT OF CONCEALMENT INSIDE THE WALL OR CEILING CAVITY. CUT AND REMOVE THE CONDUIT EXITING THE WALL CAVITY INTO THE CEILING SPACE. DISCONNECT AND REMOVE FEEDS FROM ELECTRICAL PANEL. REMOVE ALL SURFACE MOUNTED OUTLET BOXES ASSOCIATED WITH THE CONDUIT SYSTEMS.
8. DISCONNECT AND REMOVE ALL ELECTRICAL EQUIPMENT INCLUDING HANGERS, PULL BOXES, JUNCTION BOXES, RECEPTACLES, SWITCHES, LIGHT FIXTURES, CONDUIT AND WIRING FROM THE POINT OF CONCEALMENT TO THE EQUIPMENT. DISPOSE OF ALL ITEMS (SPECIAL ATTENTION TO LAMPS) AS REQUIRED BY LAW.
9. REMOVE ALL TV, VOICE, AND DATA CABLES FROM THE STATIONS NOTED TO BE REMOVED BACK TO THE DISTRIBUTION AREA. REMOVE CABLES, PATCH CORDS AT THE DISTRIBUTION AREAS. REMOVE TV CABLES AND OUTLETS FROM EACH TV/MONITOR LOCATION BACK TO THE DISTRIBUTION AREA.

# KEY NOTES - DEMOLITION:

- 10 COAX CABLE. DISCONNECT AND REMOVE COMPLETE TO SOURCE. PATCH AND SEAL CABLE PENETRATIONS.
- 12 DISCONNECT AND REMOVE ANTENNA INCLUDING CABLE TO SOURCE.

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KTS PROJECT NO. 25-0251

NOTE | IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS TO EXAMINE THE COMPLETE SET OF DRAWINGS AND SPECIFICATIONS AND TO PROVIDE LABOR AND MATERIAL FOR THEIR RESPECTIVE AREA OF WORK FOR A COMPLETE AND FINISHED INSTALLATION IN COMPLIANCE WITH THE INTENT OF THE DRAWINGS AND THE SPECIFICATIONS. SUBMITTAL OF PROPOSAL IMPLIES THAT THE CONTRACTOR/SUBCONTRACTOR HAS REVIEWED ALL CONTRACT DOCUMENTS AND IS FULLY CONVERSANT WITH AND AWARE OF ALL REQUIREMENTS OF ALL DIVISIONS.

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KEY PLAN

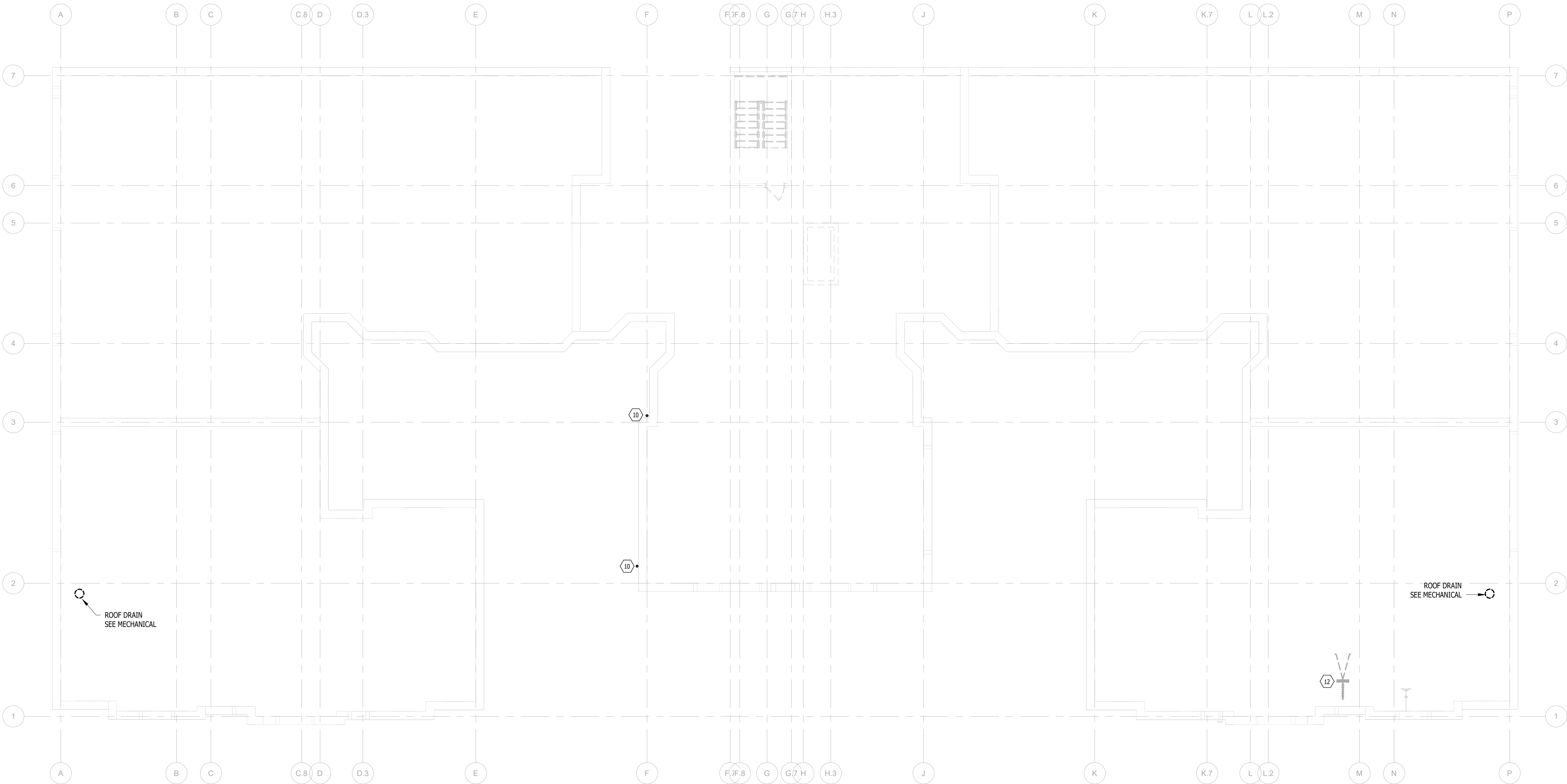
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DRAWING TITLE

ROOF DEMOLITION PLAN

DRAWING NUMBER

E.D.106



ROOF DEMOLITION PLAN  
Scale: 1/8" = 1'-0"

# KEY NOTES:

- 1 CONTRACTOR SHALL CONSULT THE CIVIL ENGINEERING DRAWINGS FOR LOCATIONS OF UNDERGROUND UTILITIES. COSTS FOR REMOVING, REPLACING OR RELOCATING ANY EXISTING UTILITIES SHALL BE INCIDENTAL TO CONSTRUCTION. EXISTING UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED WITH LIKE MATERIAL AT NO ADDITIONAL COST TO THE OWNER.



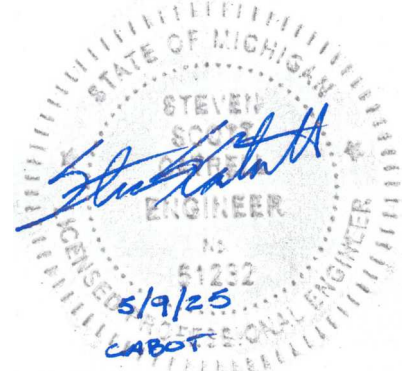
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KEY PLAN

FSP PROJECT NO.  
TRC22.064

DRAWING TITLE

ELECTRICAL SITE PLAN

DRAWING NUMBER

E.100

# KEY NOTES:

- 3 FACTORY MOUNTED DISCONNECT SWITCH PROVIDED WITH EQUIPMENT.  
4 INTERLOCK EXHAUST FAN WITH ROOM LIGHTING.  
6 PROVIDE FIRE RATED PLYWOOD BACKBOARD WITH COPPER GROUND BUS BAR.  
PROVIDE (3) 4" SLEEVES INTO CHASE FOR COMMUNICATION CABLEING AND (3)  
2" SLEEVES OUT OF CHASE TO EACH FLOOR ACCESSIBLE CEILING SPACE.  
8 E.C. SHALL PROVIDE A ROUGH-IN BOX WITH 12-INCH 3/4" CONDUIT AND  
BUSHED END IN ACCESSIBLE CEILING FOR SECURITY CAMERA. CAMERA  
EQUIPMENT AND WIRING BY THE TECHNOLOGY CONTRACTOR.  
10 UNIT SUBSTATION EQUIPMENT TO BE BROUGHT INTO BUILDING VIA OPEN  
TRASH ROOM AND ELECTRICAL ROOM WALLS. OPENINGS PROVIDED BY  
OTHERS. SEE ENLARGED PLANS AND ONE LINE DIAGRAM.



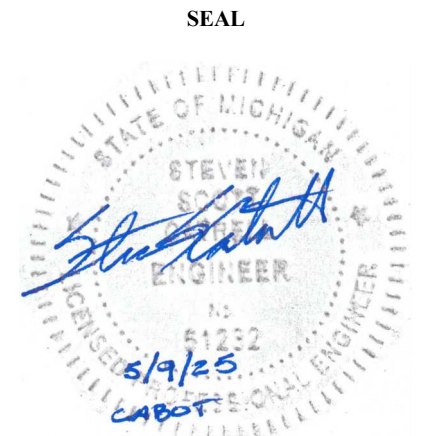
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AND FINISHED INSTALLATION IN COMPLIANCE WITH THE INTENT OF  
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KEY PLAN

BASEMENT FLOOR POWER PLAN  
Scale: 1/8" = 1'-0"

FSP PROJECT NO.  
TRC22064

DRAWING TITLE

BASEMENT FLOOR POWER PLAN

DRAWING NUMBER

E.101

# KEY NOTES:

- 8 E.C. SHALL PROVIDE A ROUGH-IN BOX WITH 12-INCH 3/4" CONDUIT AND BUSHED END IN ACCESSIBLE CEILING FOR SECURITY CAMERA. CAMERA EQUIPMENT AND WIRING BY THE TECHNOLOGY CONTRACTOR.
- 9 AREA OF REFUGE CALL STATION BACKBOX BY ELECTRICAL CONTRACTOR. INTERFACE WITH MASTER CONTROL PANEL LOCATED ON THE 2ND FLOOR OFFICE 205. CONFIRM EXACT LOCATION WITH OWNER. CALL STATION EQUIPMENT AND WIRING BY TECHNOLOGY CONTRACTOR.



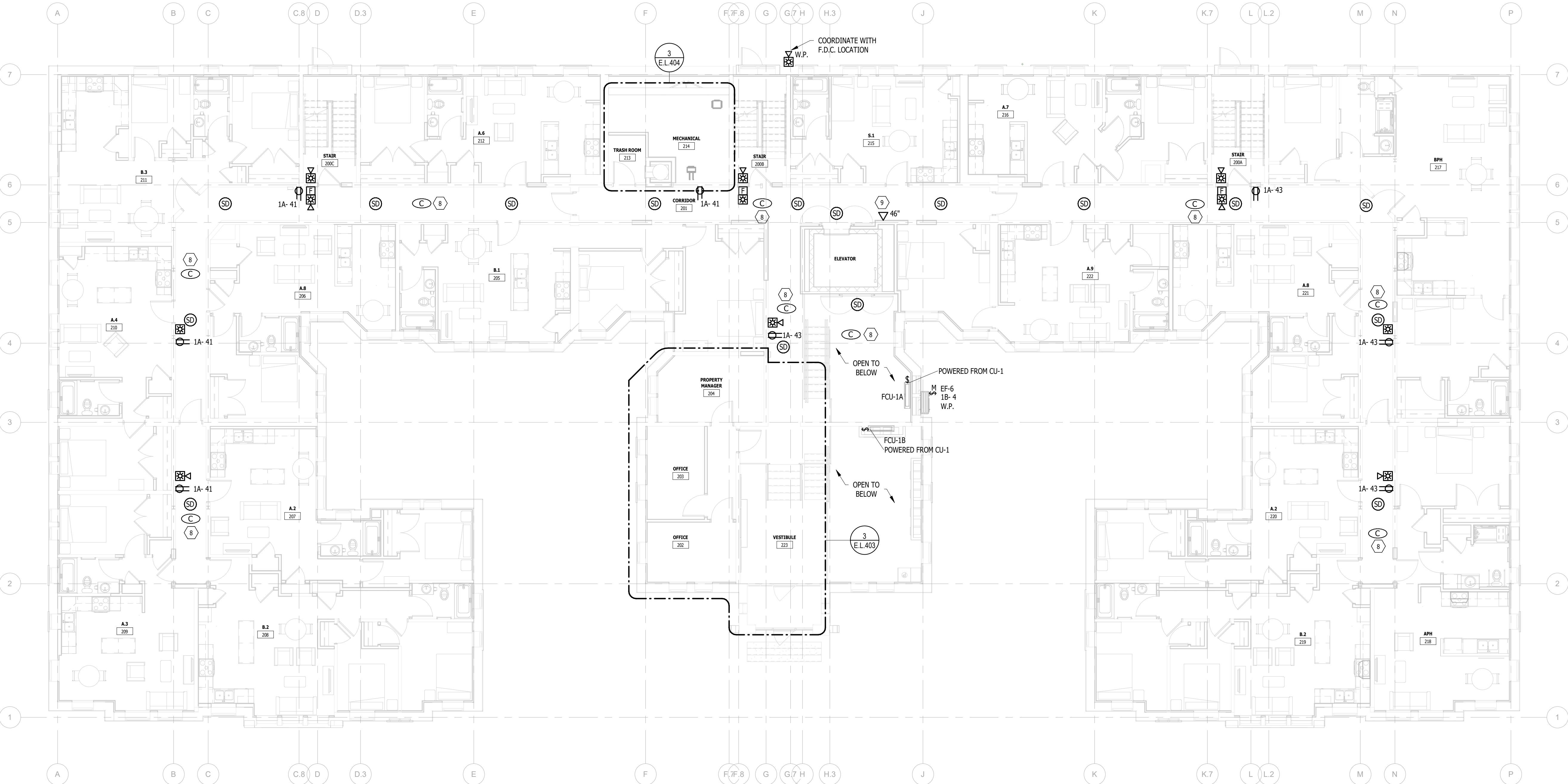
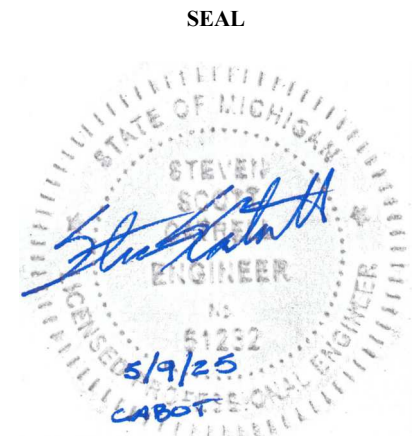
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# KEY NOTES:

- 7 E.C. SHALL PROVIDE A WEATHER PROOF BOX WITH 3/4" CONDUIT STUBBED INTO BUILDING ACCESSIBLE CEILING FOR SECURITY CAMERA. CAMERA EQUIPMENT AND WIRING BY THE TECHNOLOGY CONTRACTOR.
- 8 E.C. SHALL PROVIDE A ROUGH-IN BOX WITH 12-INCH 3/4" CONDUIT AND BUSHED END IN ACCESSIBLE CEILING FOR SECURITY CAMERA. CAMERA EQUIPMENT AND WIRING BY THE TECHNOLOGY CONTRACTOR.
- 9 AREA OF REFUGE CALL STATION BACKBOX BY ELECTRICAL CONTRACTOR. INTERFACE WITH MASTER CONTROL PANEL LOCATED ON THE 2ND FLOOR OFFICE 205. CONFIRM EXACT LOCATION WITH OWNER. CALL STATION EQUIPMENT AND WIRING BY TECHNOLOGY CONTRACTOR.



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KEY PLAN

SECOND FLOOR POWER PLAN  
Scale: 1/8" = 1'-0"

FSP PROJECT NO.  
TRC22.064

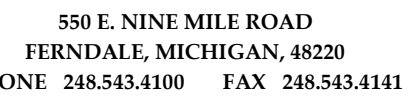
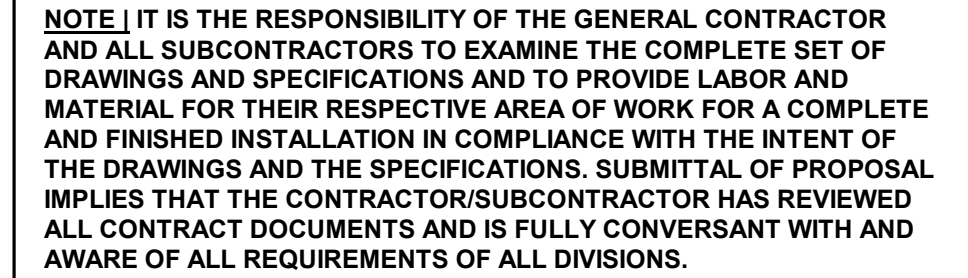
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SECOND FLOOR POWER PLAN

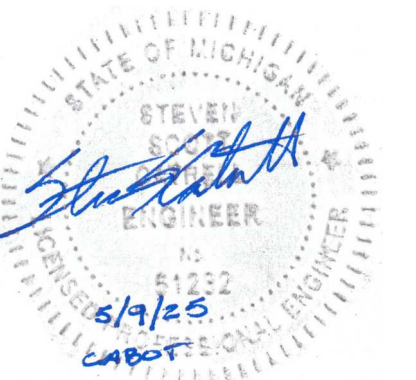
DRAWING NUMBER

E.103

- 3 FACTORY MOUNTED DISCONNECT SWITCH PROVIDED WITH EQUIPMENT.
- 4 INTERLOCK EXHAUST FAN WITH ROOM LIGHTING.
- 5 E.C. SHALL PROVIDE A ROUGH-IN BOX WITH 12-INCH 3/4" CONDUIT AND BUSHED END IN ACCESSIBLE CEILING FOR SECURITY CAMERA. CAMERA EQUIPMENT AND WIRING BY THE TECHNOLOGY CONTRACTOR.
- 6 AREA OF REFUGE CALL STATION BACKBOX BY ELECTRICAL CONTRACTOR. INTERFACE WITH MASTER CONTROL PANEL LOCATED ON THE 2ND FLOOR OFFICE 205. CONFIRM EXACT LOCATION WITH OWNER. CALL STATION EQUIPMENT AND WIRING BY TECHNOLOGY CONTRACTOR.



2



# APPENDIX

# CABOT APARTMENTS

## NOTES

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## PLAN

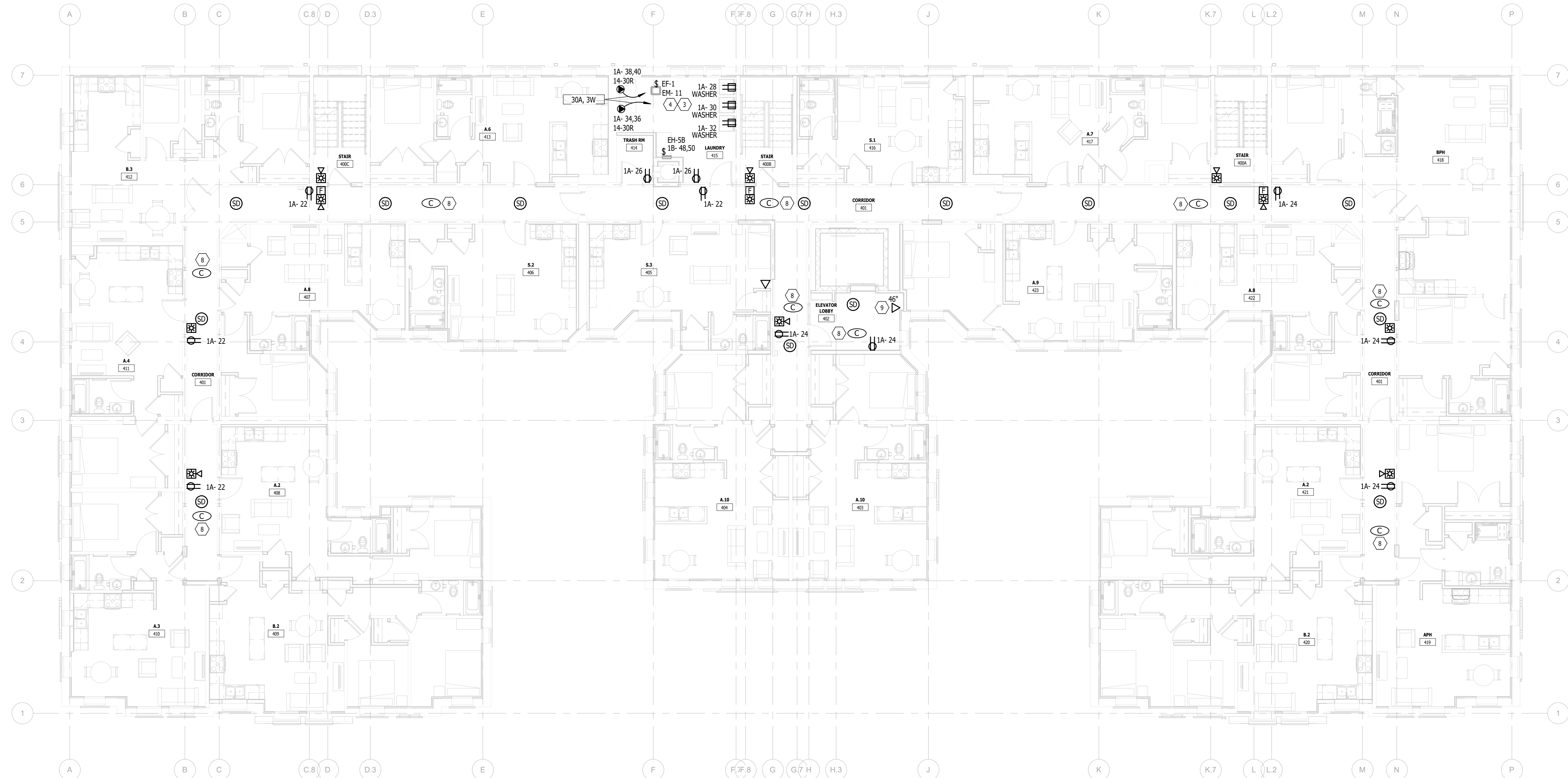
PROJECT NO.  
TRC22.066

LEAVING TITLE

RD FLOOR POWER PLAN

WING NUMBER

.104



# KEY NOTES:

- 3 FACTORY MOUNTED DISCONNECT SWITCH PROVIDED WITH EQUIPMENT.  
4 INTERLOCK EXHAUST FAN WITH ROOM LIGHTING.  
5 COORDINATE LOCATION OF EQUIPMENT WITH ELEVATOR CONTRACTOR.  
8 E.C. SHALL PROVIDE A ROUGH-IN BOX WITH 12-INCH 3/4" CONDUIT AND BUSHED END IN ACCESSIBLE CEILING FOR SECURITY CAMERA. CAMERA EQUIPMENT AND WIRING BY THE TECHNOLOGY CONTRACTOR.  
9 AREA OF REFUGE CALL STATION BACKBOX BY ELECTRICAL CONTRACTOR. INTERFACE WITH MASTER CONTROL PANEL LOCATED ON THE 2ND FLOOR OFFICE 305. CONFIRM EXACT LOCATION WITH OWNER. CALL STATION EQUIPMENT AND WIRING BY TECHNOLOGY CONTRACTOR.  
11 DEDICATED OUTSIDE TELEPHONE LINE TERMINATED AT ELEVATOR CONTROLLER. WIRING AND TERMINATION PROVIDED BY ELECTRICAL CONTRACTOR. COORDINATE WITH ELEVATOR CONTRACTOR.



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KEY PLAN

FOURTH FLOOR POWER PLAN  
Scale: 1/8" = 1'-0"

FSP PROJECT NO.  
TRC22.064

DRAWING TITLE

FOURTH FLOOR POWER PLAN

DRAWING NUMBER

E.105

# KEY NOTES:

- 1 40KW/50KVA, 208/120V, 3 PHASE NATURAL GAS GENERATOR, LEVEL 1 ACOUSTIC ENCLOSURE. SEE ONE LINE DIAGRAM AND DETAILS FOR WIRING INFORMATION.
- 2 WEIGHT 1,767 LBS, FUEL CONSUMPTION AT 100% RATED CAPACITY 752 CUBIC FEET PER HOUR.
- 3 FACTORY MOUNTED DISCONNECT SWITCH PROVIDED WITH EQUIPMENT.



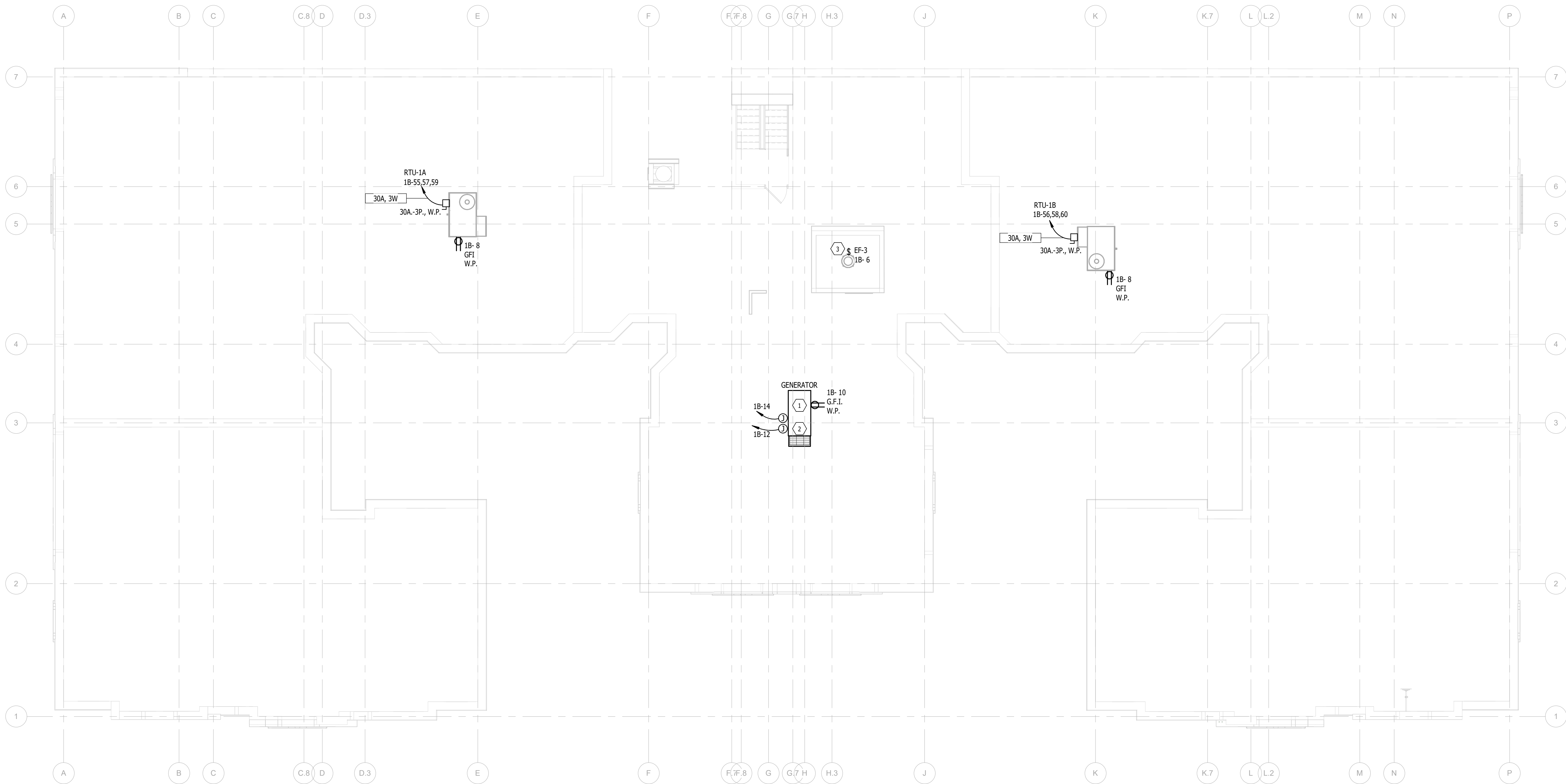
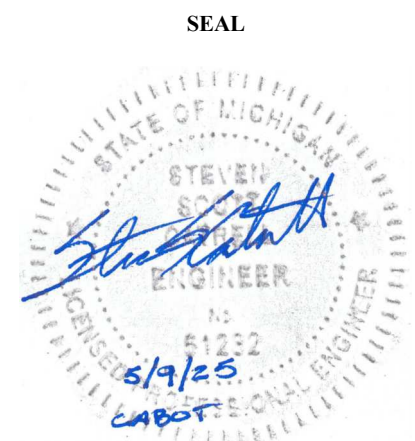
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KEY PLAN

FSP PROJECT NO.  
TRC22.064

DRAWING TITLE

ROOF POWER PLAN

DRAWING NUMBER

E.106

# KEY NOTES:

- 1 STAIRWELL LIGHTING TO OPERATE TOGETHER AND DIM TO 50% WHEN UNOCCUPIED AFTER 20-MINUTES.
- 2 COORDINATE LOCATION OF EQUIPMENT WITH ELEVATOR CONTRACTOR.



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KEY PLAN

BASEMENT FLOOR LIGHTING PLAN  
Scale: 1/8" = 1'-0"

FSP PROJECT NO.  
TRC22.064

DRAWING TITLE

BASEMENT FLOOR LIGHTING PLAN

DRAWING NUMBER

E.201

# KEY NOTES:

- 1 STAIRWELL LIGHTING TO OPERATE TOGETHER AND DIM TO 50% WHEN UNOCCUPIED AFTER 20-MINUTES.



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KEY PLAN

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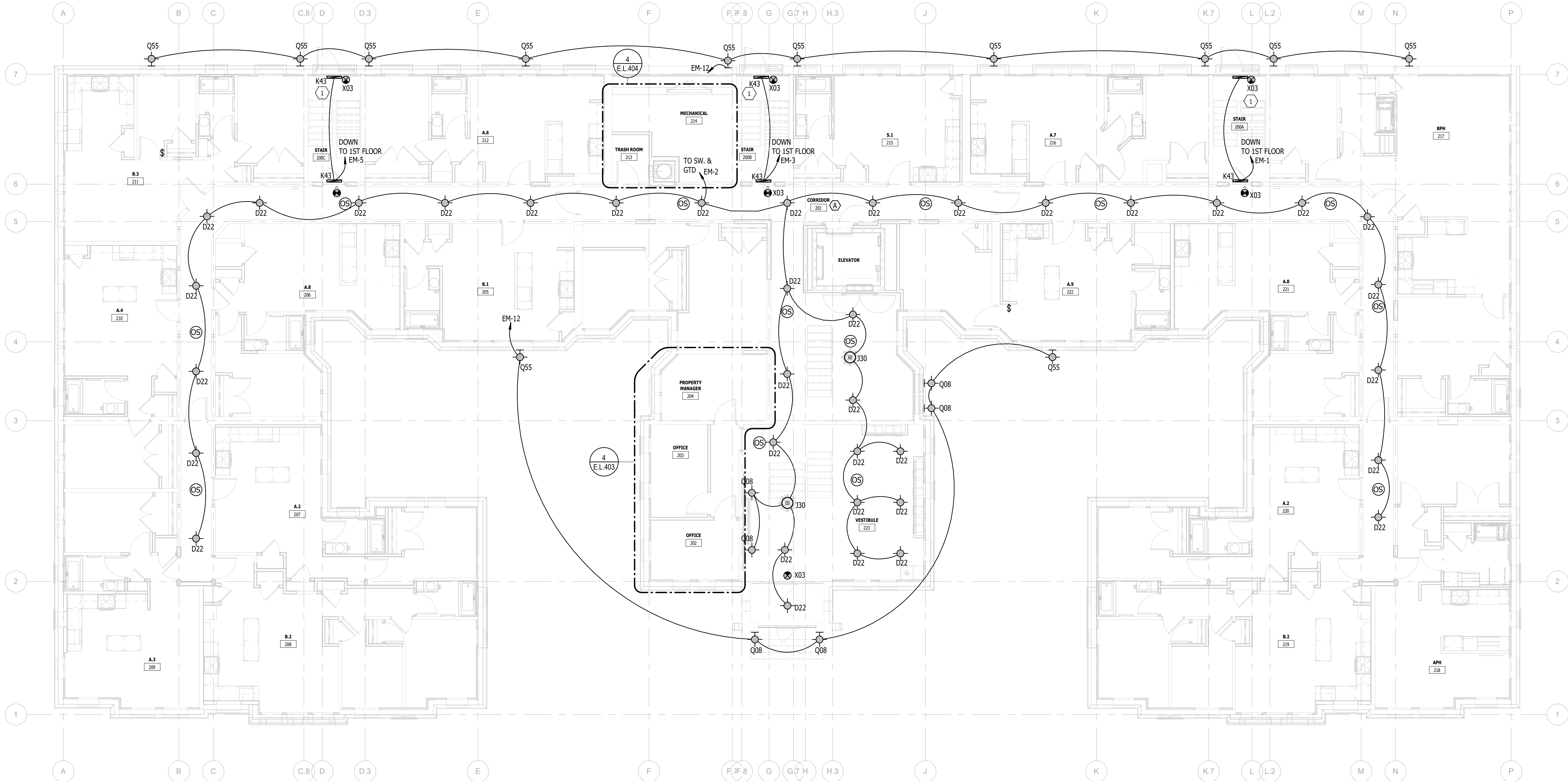
DRAWING TITLE

FIRST FLOOR LIGHTING PLAN

DRAWING NUMBER

E.202

FIRST FLOOR LIGHTING PLAN  
Scale: 1/8" = 1'-0"



# KEY NOTES:

- 1 STAIRWELL LIGHTING TO OPERATE TOGETHER AND DIM TO 50% WHEN UNOCCUPIED AFTER 20-MINUTES.



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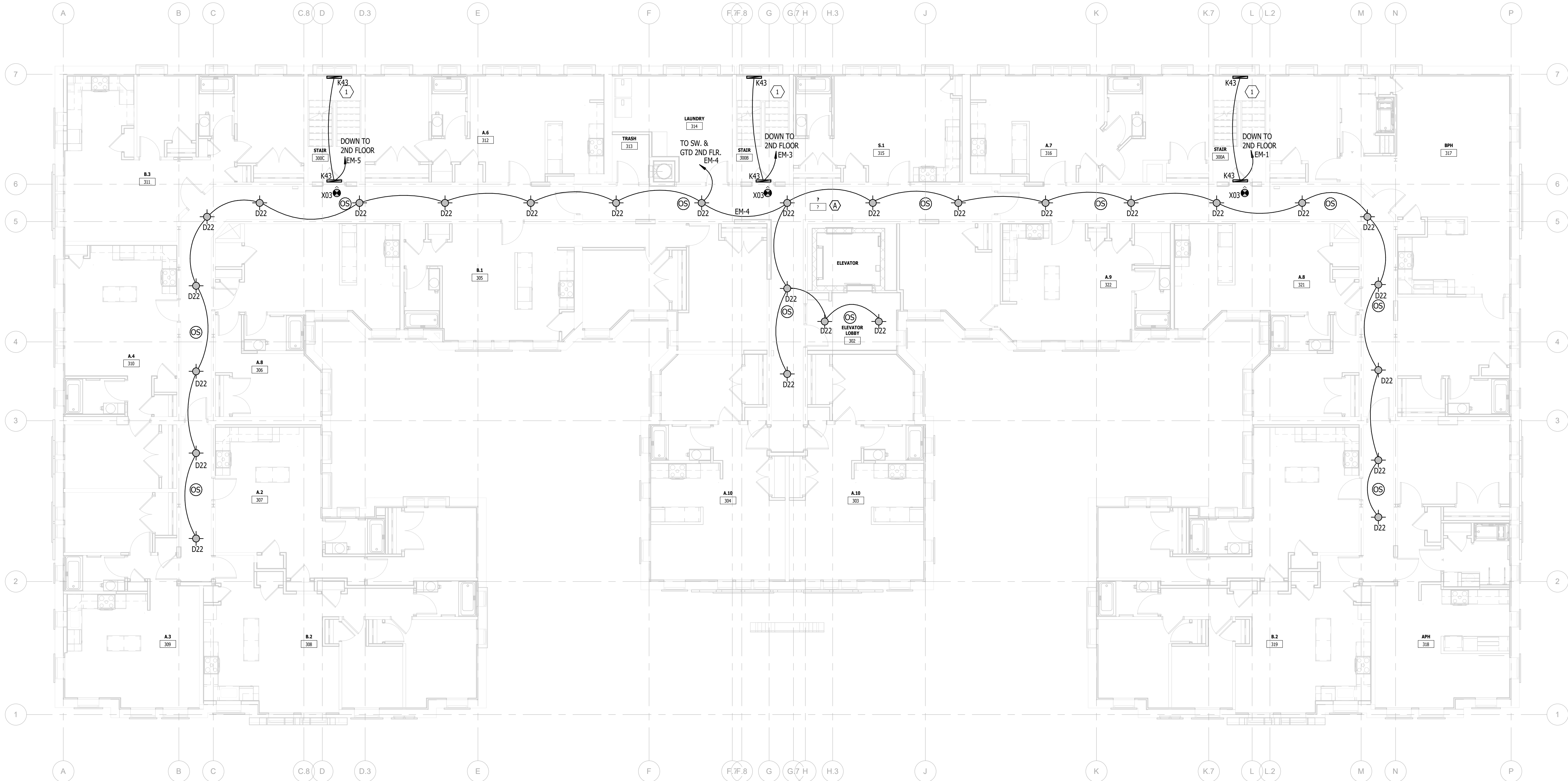
DRAWING TITLE

SECOND FLOOR LIGHTING PLAN

DRAWING NUMBER

E.203

SECOND FLOOR LIGHTING PLAN  
Scale: 1/8" = 1'-0"



# KEY NOTES:

- 1 STAIRWELL LIGHTING TO OPERATE TOGETHER AND DIM TO 50% WHEN UNOCCUPIED AFTER 20-MINUTES.



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491 E. WRIGHT AVE.  
SHEPHERD MI, 48883  
989-567-1100  
KTSENGINEERINGGROUP.COM  
KTS PROJECT NO. 25-0251

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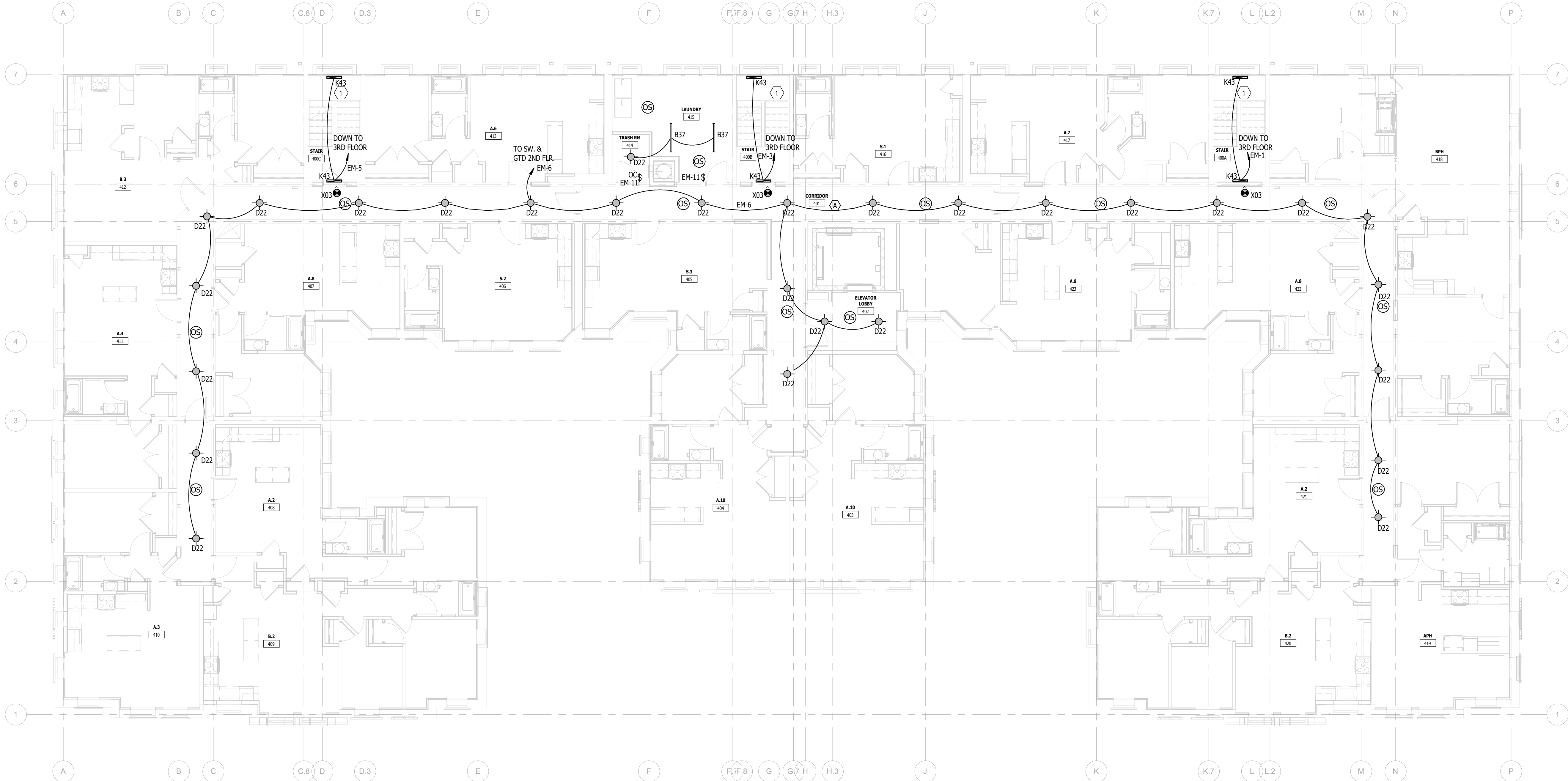
DRAWING TITLE

THIRD FLOOR LIGHTING PLAN

DRAWING NUMBER

E.204

THIRD FLOOR LIGHTING PLAN  
Scale: 1/8" = 1'-0"



# KEY NOTES:

- 1 STAIRWELL LIGHTING TO OPERATE TOGETHER AND DIM TO 50% WHEN UNOCCUPIED AFTER 20-MINUTES.



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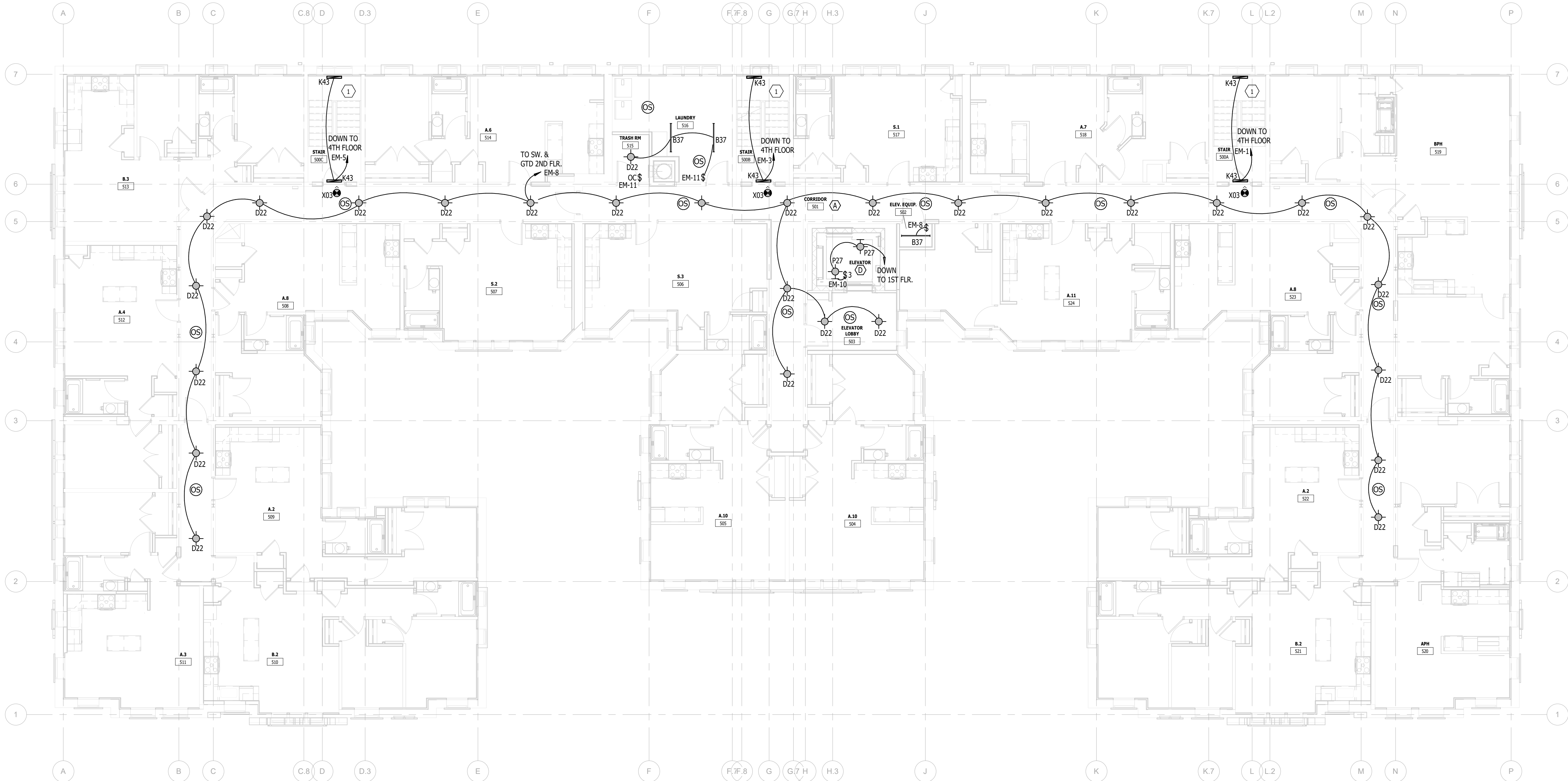
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FIF FOURTH FLOOR LIGHTING PLAN

DRAWING NUMBER

E.205

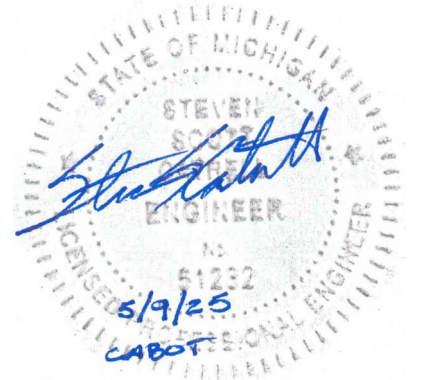
FOURTH FLOOR LIGHTING PLAN  
Scale: 1/8" = 1'-0"



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FSP PROJECT NO.  
TRC22.064

DRAWING TITLE

SITE PHOTOMETRY PLAN

DRAWING NUMBER

E.301

W. GRAND ST.

PASADENA ST.

DEXTER AVE.

ALLEYWAY

| Luminaire Schedule |     | Arrangement | Description | Qty       | LDF | Luminaire Lumens | Luminaire Watts | Total Watts |
|--------------------|-----|-------------|-------------|-----------|-----|------------------|-----------------|-------------|
| Symbol             | Qty | Label       |             |           |     |                  |                 |             |
| ⊙                  | 4   | WP5500140-1 | Single      | WP5500140 | 200 | 0.180            | 680W            | 55-28       |
| ⊙                  | 14  | WP5500140   | Single      | WP5500140 | 200 | 1.200            | 680W            | 55-28       |

| Calculation Summary |             | CalcType | Units | Avg  | Max  | Min | Avg/Min | Max/Min |
|---------------------|-------------|----------|-------|------|------|-----|---------|---------|
| Label               |             |          |       |      |      |     |         |         |
| Main entrance east  | Illuminance | FC       |       | 2.44 | 4.1  | 1.0 | 2.44    | 4.1     |
| North court walkway | Illuminance | FC       |       | 0.44 | 1.0  | 0.5 | 1.28    | 2.0     |
| North courtyard     | Illuminance | FC       |       | 2.74 | 8.7  | 0.7 | 3.93    | 12.43   |
| South courtyard     | Illuminance | FC       |       | 2.12 | 8.4  | 0.3 | 5.07    | 28.67   |
| West entry          | Illuminance | FC       |       | 4.03 | 27.7 | 0.4 | 10.54   | 34.63   |

**SITE PHOTOMETRY PLAN**  
Scale: 3/32" = 1'-0"

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KEY PLAN

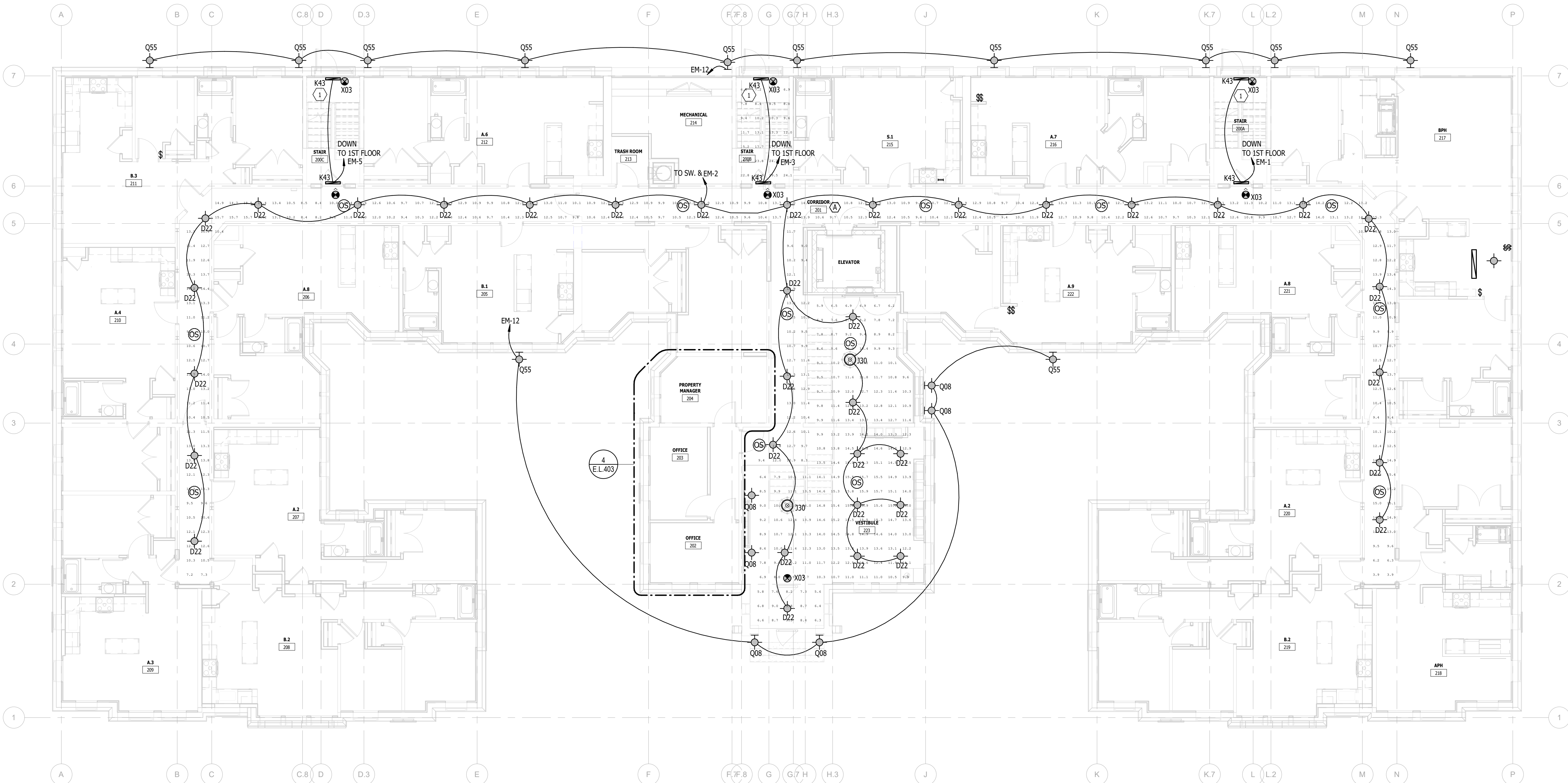
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TRC22064

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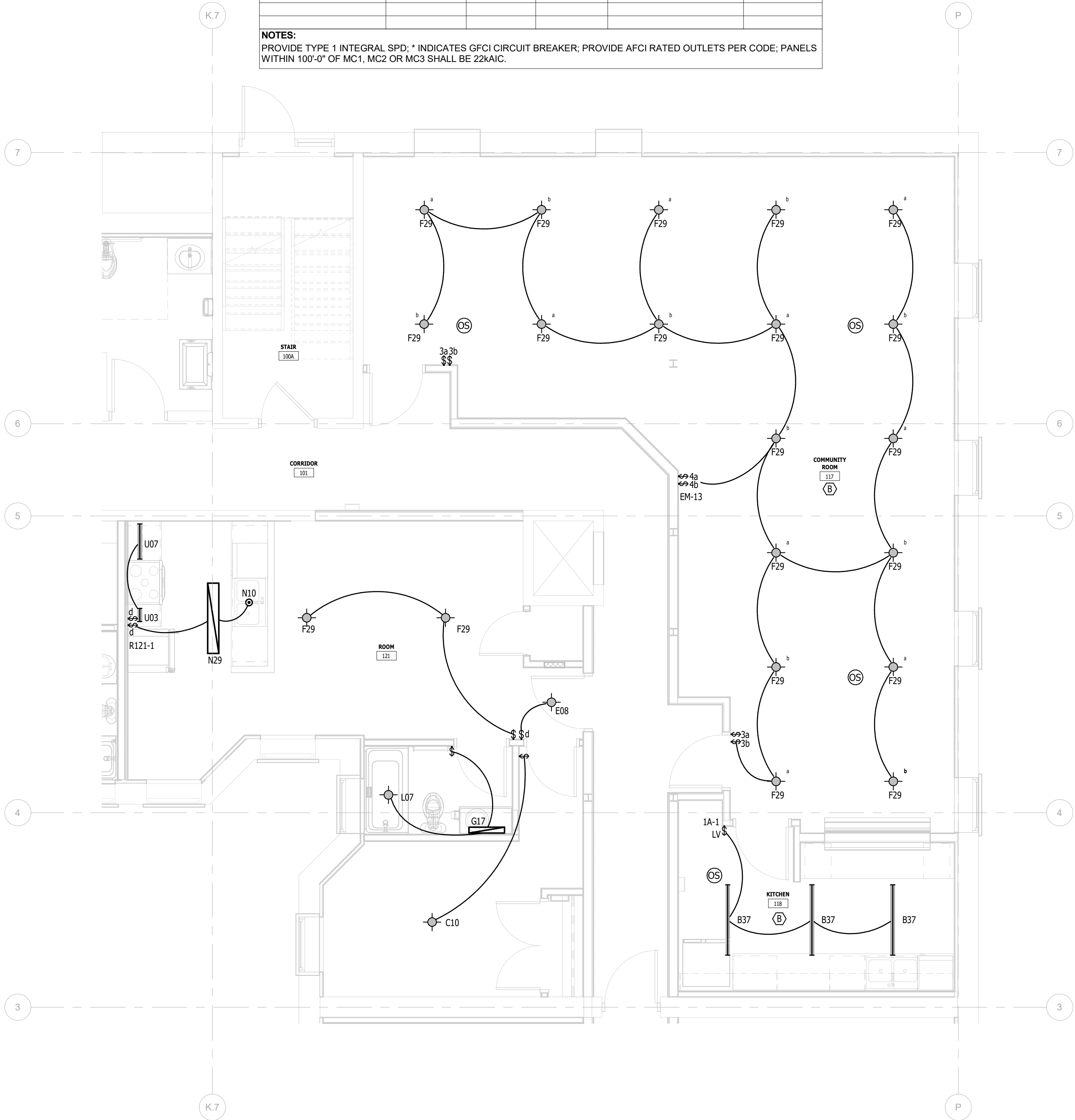
FIRST FLOOR PHOTOMETRY PLAN

DRAWING NUMBER

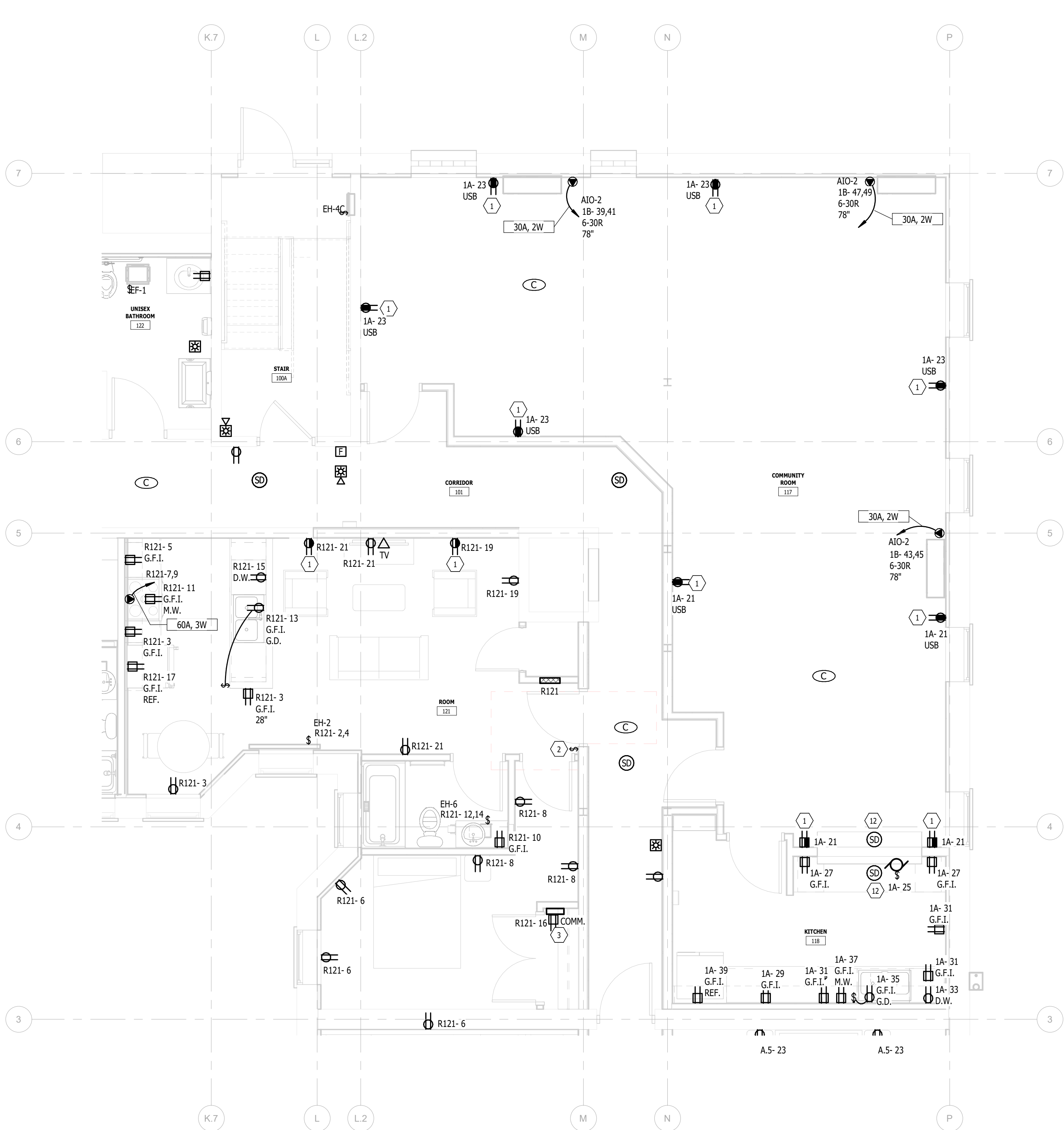
E.302



| PANELBOARD: R121                                                                                                                                              |           |         |     |                              |     |                            |     |     |   |      |                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------|-----|------------------------------|-----|----------------------------|-----|-----|---|------|--------------------|
| LOCATION: ROOM 121                                                                                                                                            |           |         |     | VOLTAGE: 120/208 V, 1 ø 3 W. |     |                            |     |     |   |      |                    |
| MOUNTING: RECESSED NEMA 1                                                                                                                                     |           |         |     | A.I.C. RATING: 10 kAIC       |     |                            |     |     |   |      |                    |
| MAIN DEVICE: 125 A MLO                                                                                                                                        |           |         |     | SPECIAL:                     |     |                            |     |     |   |      |                    |
| BUS AMPS: 125 A                                                                                                                                               |           |         |     |                              |     |                            |     |     |   |      |                    |
| LOAD DESCRIPTION                                                                                                                                              | BKR       | P       | CKT | PHASE A<br>kVA               |     | PHASE B<br>kVA             |     | CKT | P | BKR  | LOAD DESCRIPTION   |
| Lighting                                                                                                                                                      | 20 A      | 1       | 1   | 0.2                          | 0.5 |                            |     | 2   |   |      |                    |
| Receptacle KITCHEN                                                                                                                                            | 20 A      | 1       | 3   |                              |     | 0.5                        | 0.5 | 4   | 2 | 20 A | EH-2 LIVING        |
| Receptacle KITCHEN                                                                                                                                            | 20 A      | 1       | 5   | 0.2                          | 0.5 |                            |     | 6   | 1 | 20 A | Receptacle BEDROOM |
| RANGE KITCHEN                                                                                                                                                 | 50 A      | 2       | 7   |                              |     | 4.0                        | 0.5 | 8   | 1 | 20 A | Receptacle BEDROOM |
|                                                                                                                                                               |           |         | 9   |                              |     |                            |     | 10  | 1 | 20 A | Receptacle TOILET  |
| *MICROWAVE KITCHEN                                                                                                                                            | 20 A      | 1       | 11  | 4.0                          | 0.2 |                            |     | 12  |   |      |                    |
| DISPOSER KITCHEN                                                                                                                                              | 20 A      | 1       | 13  | 0.8                          | 0.3 |                            |     | 14  | 2 | 20 A | EH-6 TOILET        |
| *DISHWASHER KITCHEN                                                                                                                                           | 20 A      | 1       | 15  |                              |     | 1.2                        | 0.2 | 16  | 1 | 20 A | Receptacle CLOSET  |
| REFRIGERATOR KITCHEN                                                                                                                                          | 20 A      | 1       | 17  | 0.6                          | 0.0 |                            |     | 18  | 1 | 20 A | SPARE              |
| Receptacle LIVING                                                                                                                                             | 20 A      | 1       | 19  |                              |     | 0.4                        | 0.0 | 20  | 1 | 20 A | SPARE              |
| Receptacle LIVING                                                                                                                                             | 20 A      | 1       | 21  | 0.5                          | 0.0 |                            |     | 22  | 1 | 20 A | SPARE              |
| SPARE                                                                                                                                                         | 20 A      | 1       | 23  |                              |     | 0.0                        | 0.0 | 24  | 1 | 20 A | SPARE              |
| TOTAL LOAD:                                                                                                                                                   |           |         |     | 8 kVA                        |     | 9 kVA                      |     |     |   |      |                    |
| TOTAL AMPS:                                                                                                                                                   |           |         |     | 75 A                         |     | 86 A                       |     |     |   |      |                    |
| LOAD CLASSIFICATION                                                                                                                                           | CONNECTED | DEMAND  |     | ESTIMATED                    |     | PANEL TOTALS               |     |     |   |      |                    |
| Lighting                                                                                                                                                      | 175 VA    | 125.00% |     | 218 VA                       |     |                            |     |     |   |      |                    |
| Receptacle                                                                                                                                                    | 12260 VA  | 90.78%  |     | 11130 VA                     |     | CONNECTED LOAD: 16843 VA   |     |     |   |      |                    |
| Equipment                                                                                                                                                     | 1508 VA   | 100.00% |     | 1508 VA                      |     | ESTIMATED DEMAND: 15696 VA |     |     |   |      |                    |
| Kitchen                                                                                                                                                       | 2900 VA   | 97.93%  |     | 2840 VA                      |     | CONNECTED CURRENT: 81 A    |     |     |   |      |                    |
|                                                                                                                                                               |           |         |     |                              |     | EST. DEMAND CURRENT: 75 A  |     |     |   |      |                    |
|                                                                                                                                                               |           |         |     |                              |     |                            |     |     |   |      |                    |
|                                                                                                                                                               |           |         |     |                              |     |                            |     |     |   |      |                    |
| NOTES:                                                                                                                                                        |           |         |     |                              |     |                            |     |     |   |      |                    |
| PROVIDE TYPE 1 INTEGRAL SPD; * INDICATES GFCI CIRCUIT BREAKER; PROVIDE AFCI RATED OUTLETS PER CODE; PANELS WITHIN 100'-0" OF MC1, MC2 OR MC3 SHALL BE 22KAIC. |           |         |     |                              |     |                            |     |     |   |      |                    |



2  
E.L.401  
ENLARGED BASEMENT FLOOR PLAN - LIGHTING  
1/4" = 1'-0"



3  
E.L.401  
BASEMENT FLOOR POWER PLAN  
NOT TO SCALE

#### # KEY NOTES:

- 1 HALF SWITCHED TOP RECEPTACLE. SEE SPLIT CIRCUIT RECEPTACLE DETAIL FOR MORE INFORMATION.
- 2 SWITCH WIRED TO CONTROL TOP HALF DUPLEX RECEPTACLE OUTLET.
- 12 PROVIDE INTERLOCK BETWEEN FIRE SUPPRESSION SYSTEM AND ROLLING WINDOW TO CLOSE WINDOW UPON ALARM.

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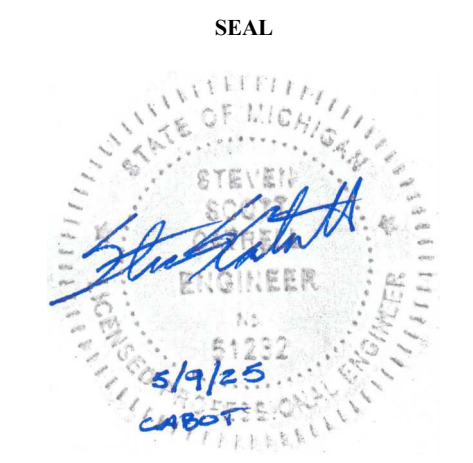
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KTS PROJECT NO. 25-0251

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FSP PROJECT NO.  
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DRAWING TITLE

ENLARGED FLOOR PLANS

DRAWING NUMBER

E.L.401

# KEY NOTES:

- 9 AREA OF REFUGE CALL STATION BACKBOX BY ELECTRICAL CONTRACTOR. INTERFACE WITH MASTER CONTROL PANEL LOCATED ON THE 2ND FLOOR OFFICE 205. CONFIRM EXACT LOCATION WITH OWNER. CALL STATION EQUIPMENT AND WIRING BY TECHNOLOGY CONTRACTOR.



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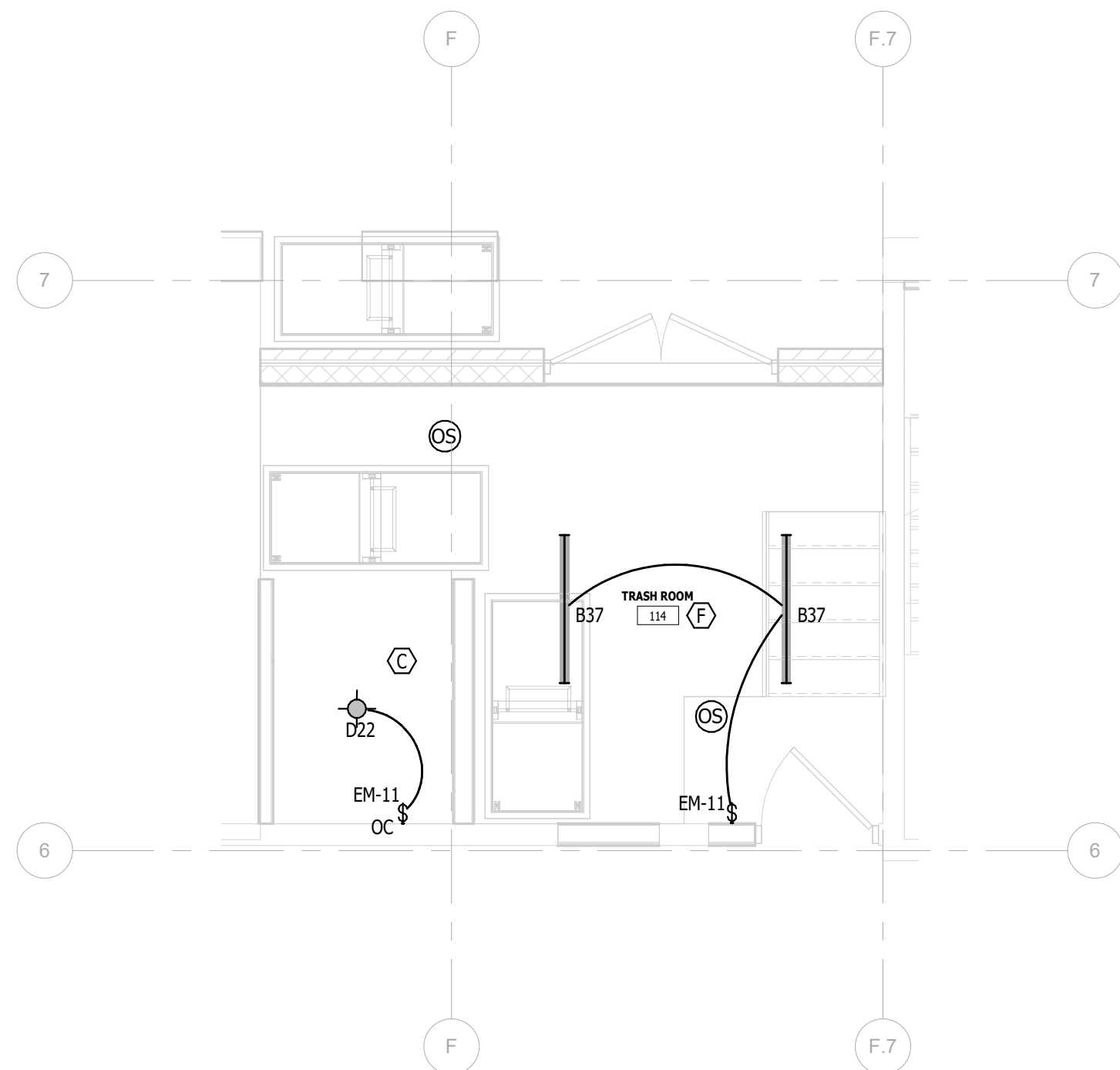
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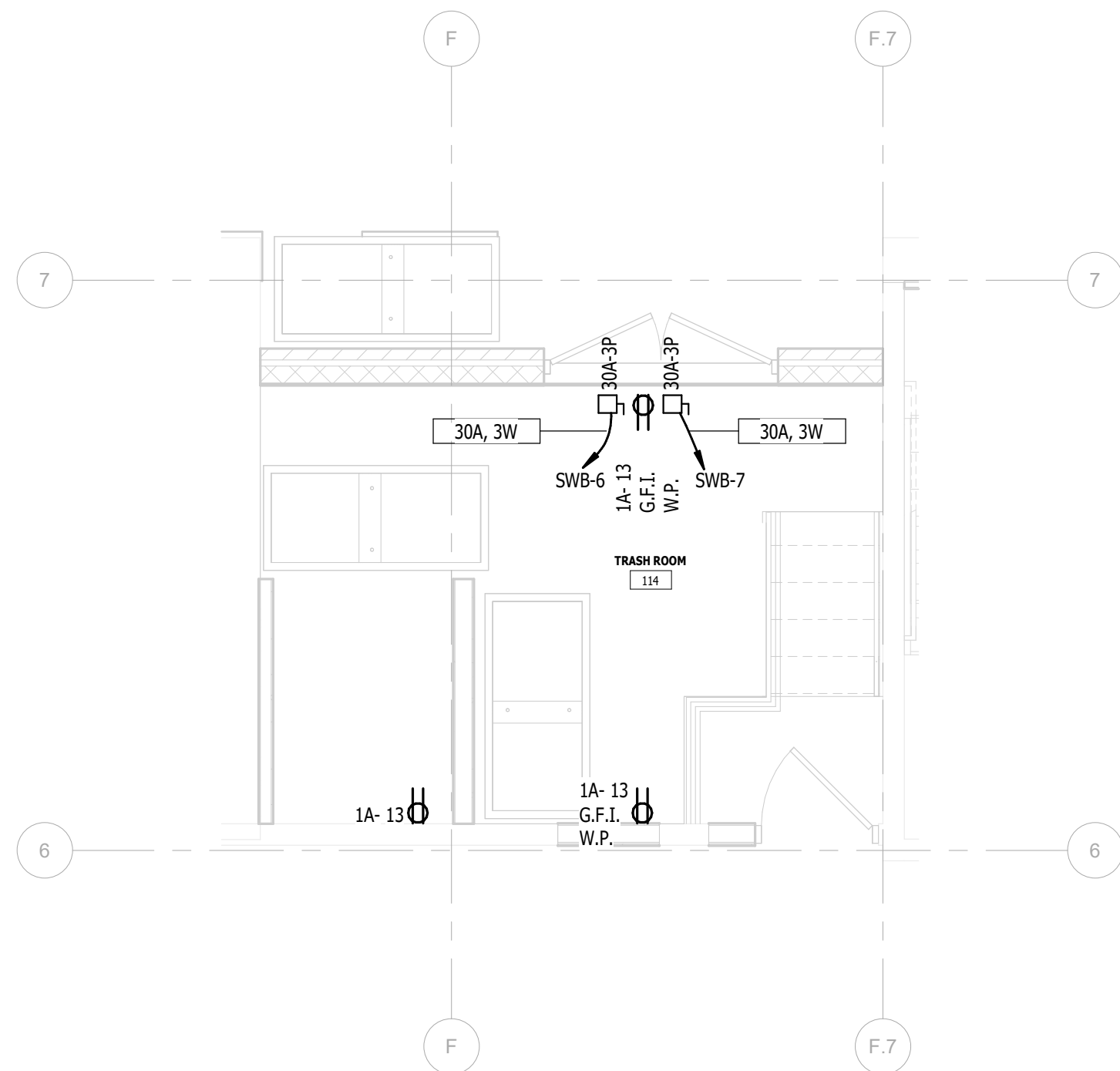
ENLARGED FLOOR PLANS

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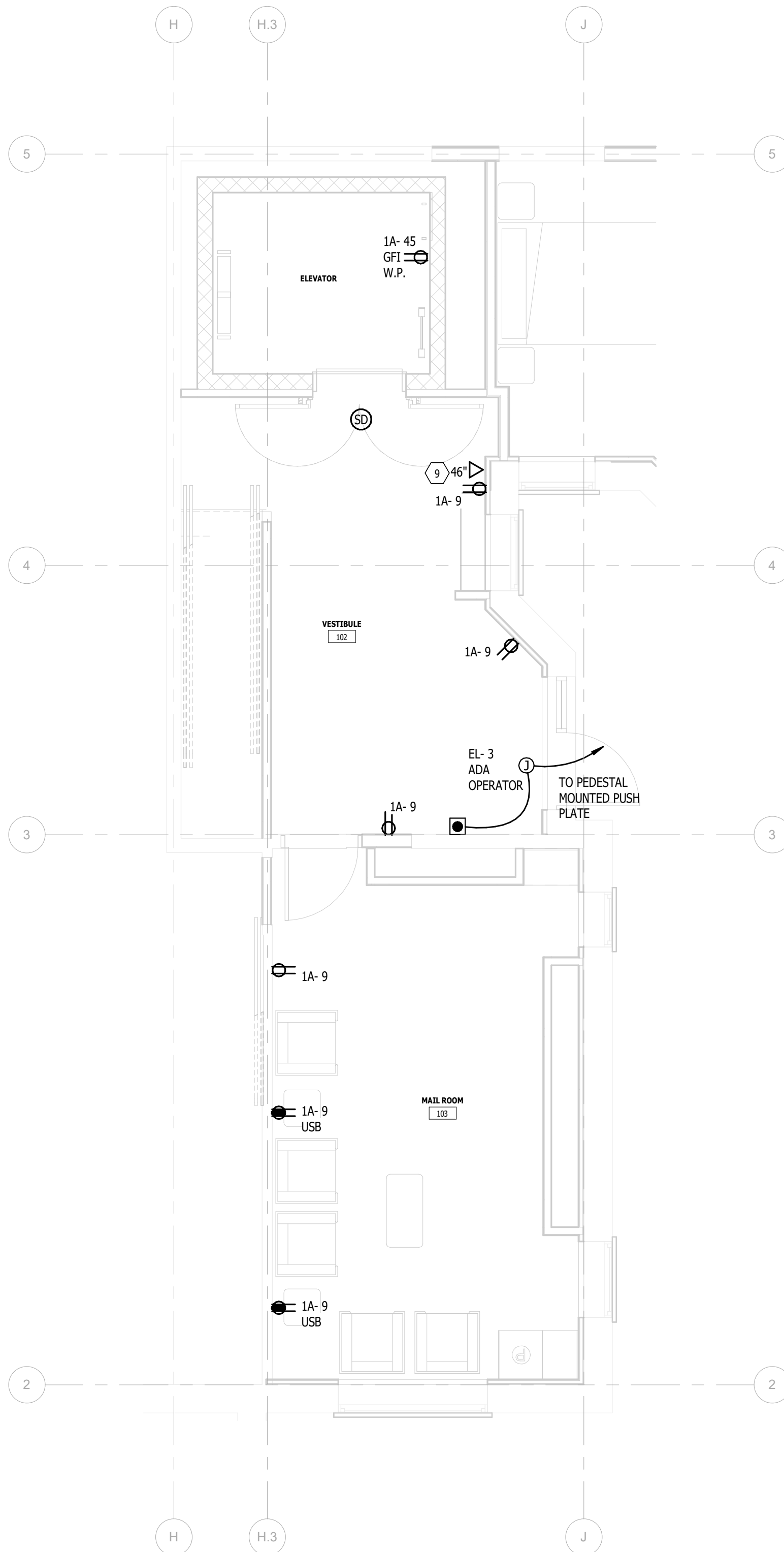
E.L.402



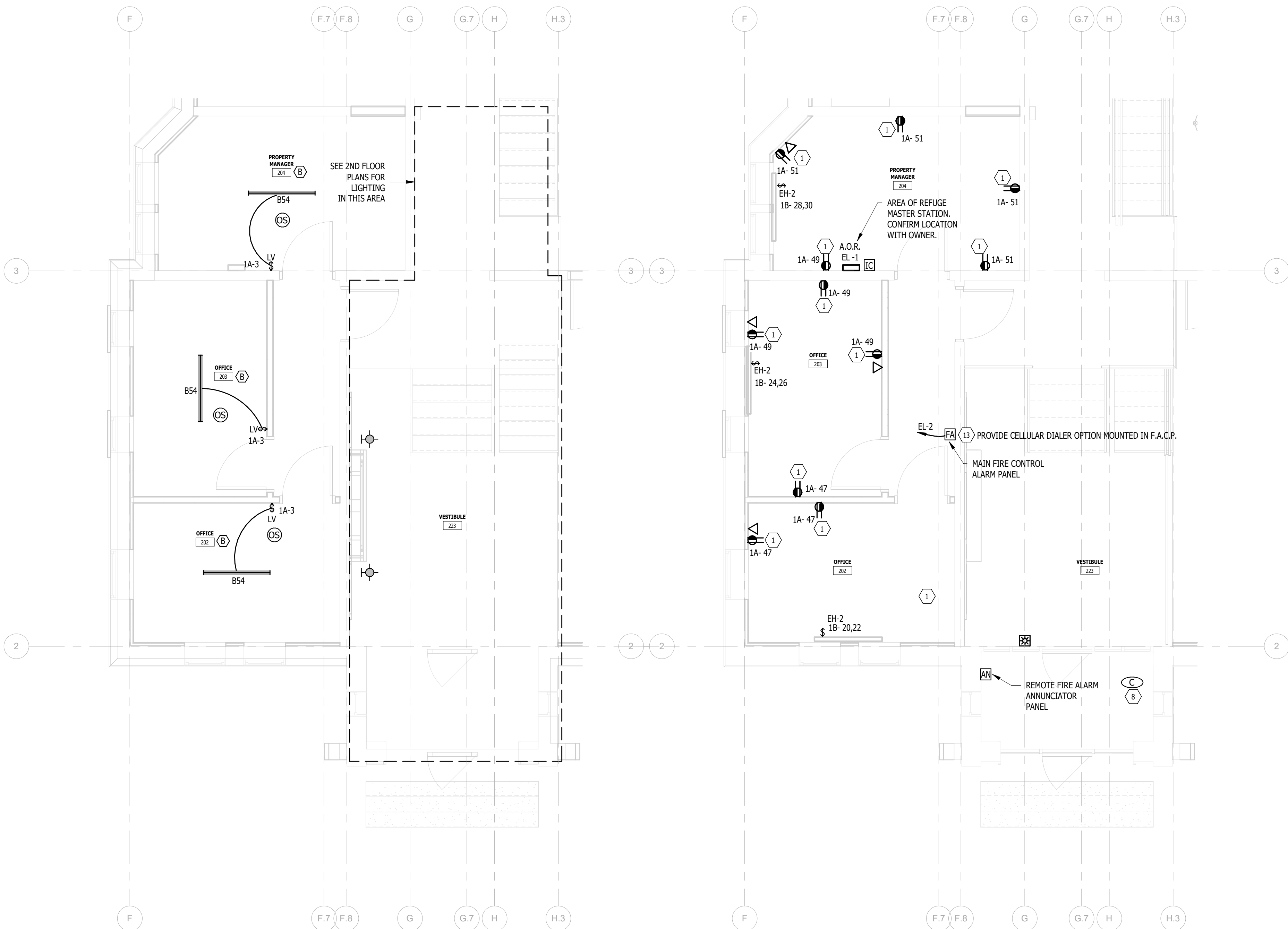
4 E.L.402 TRASH ROOM (BASEMENT FLOOR) - LIGHTING  
1/4" = 1'-0"



3 E.L.402 TRASH ROOM (BASEMENT FLOOR) - POWER  
1/4" = 1'-0"

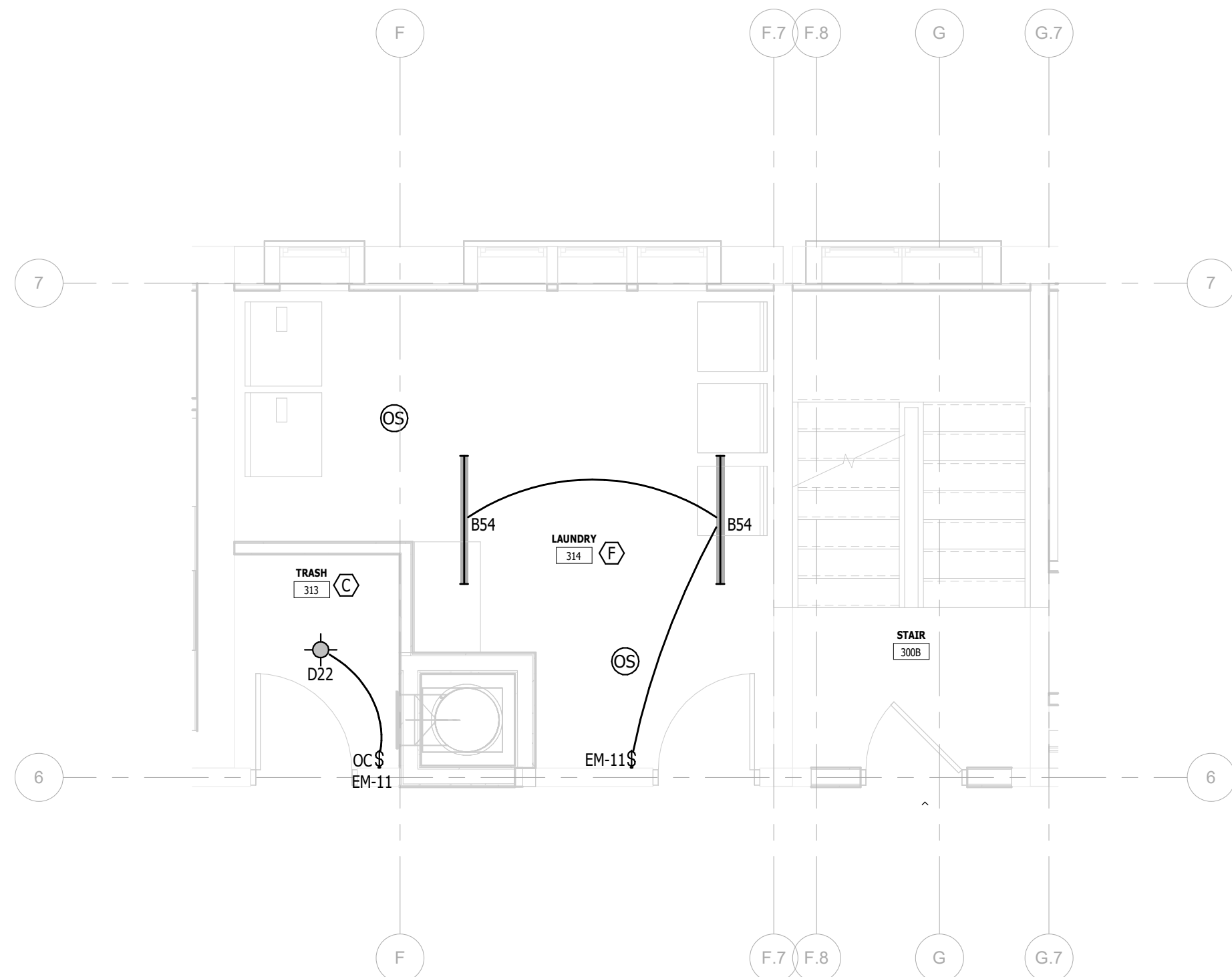


1 E.L.402 ENLARGED PLAN - MAILROOM + VESTIBULE - POWER  
1/4" = 1'-0"

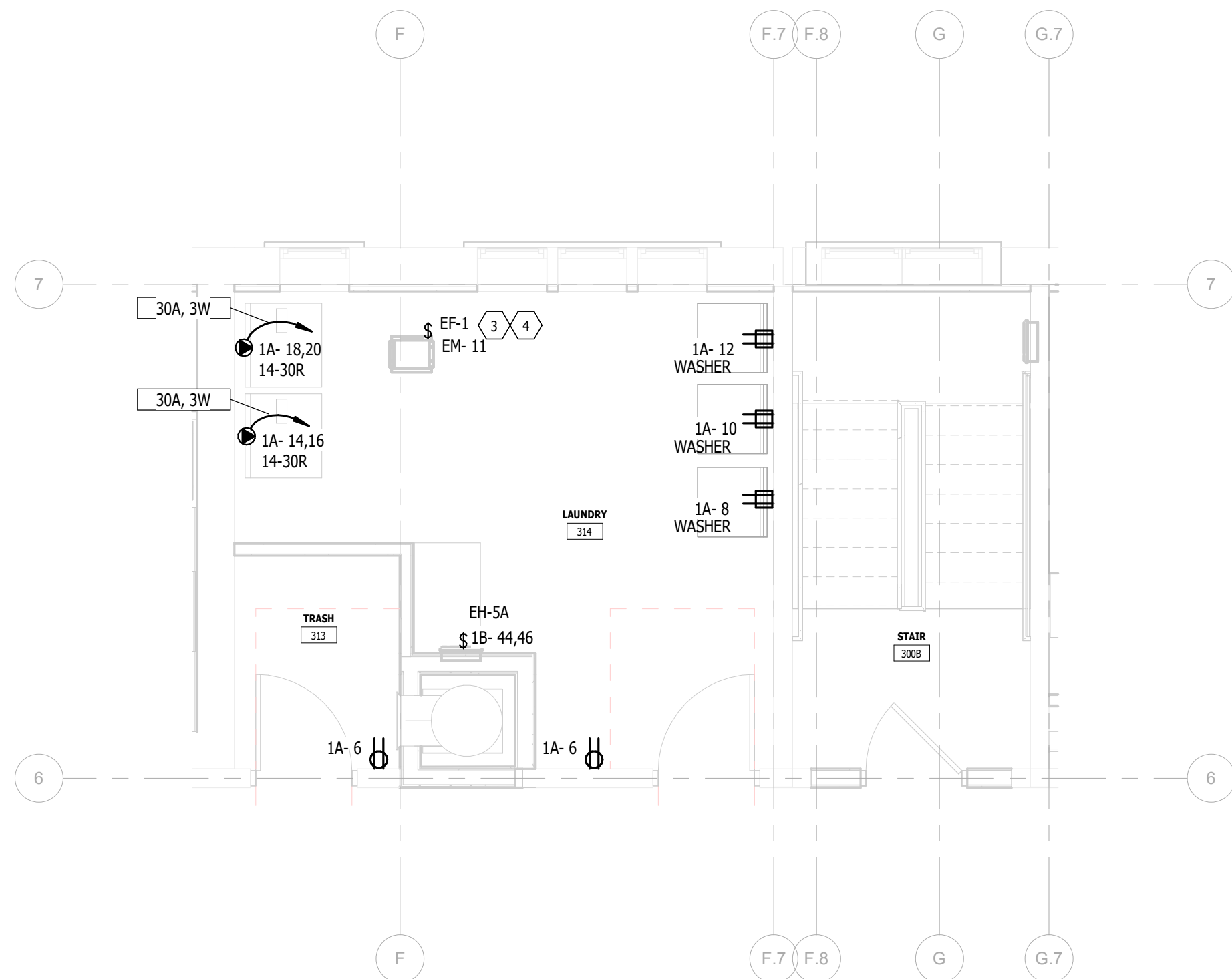


4  
E.L.403  
OFFICE ENLARGED PLAN - LIGHTING  
1/4" = 1'-0"

3  
E.L.403  
OFFICE ENLARGED PLAN - POWER  
1/4" = 1'-0"



2  
E.L.403  
ENLARGED PLAN - LIGHTING - LAUNDRY (2ND - 4TH FLOOR)  
1/4" = 1'-0"



1  
E.L.403  
ENLARGED PLAN - POWER - LAUNDRY (2ND - 4TH FLOOR)  
1/4" = 1'-0"

# KEY NOTES:

- 1 HALF SWITCHED TOP RECEPTACLE. SEE SPLIT CIRCUIT RECEPTACLE DETAIL FOR MORE INFORMATION.
- 3 FACTORY MOUNTED DISCONNECT SWITCH PROVIDED WITH EQUIPMENT.
- 4 INTERLOCK EXHAUST FAN WITH ROOM LIGHTING.
- 8 E.C. SHALL PROVIDE A ROUGH-IN BOX WITH 12-INCH 3/4" CONDUIT AND BUSHED END IN ACCESSIBLE CEILING FOR SECURITY CAMERA. CAMERA EQUIPMENT AND WIRING BY THE TECHNOLOGY CONTRACTOR.
- 13 BUILDING OCCUPANCY TYPE IS CLASSIFIED UNDER GROUP R-2. INSTALLATION SHALL CONFORM TO 2021 MICHIGAN REHABILITATION CODE FOR EXISTING BUILDINGS SPECIFIED UNDER THIS GROUP AS WELL AS ANY CITY AMENDMENTS.

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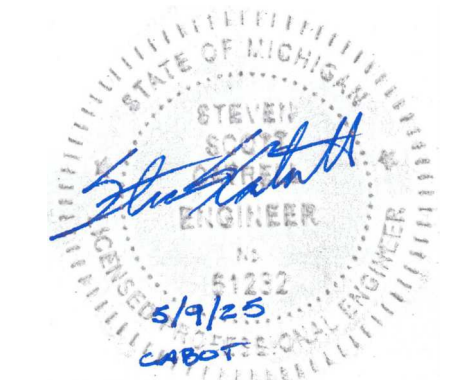
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KEY PLAN

FSP PROJECT NO.  
TRC22.064

DRAWING TITLE

ENLARGED FLOOR PLANS

DRAWING NUMBER

E.L.403

# KEY NOTES - DEMOLITION:

- 8 DISCONNECT AND REMOVE RACEWAY, METER EQUIPMENT AND BOXES.  
9 DISCONNECT AND REMOVE ELECTRICAL PANEL INCLUDING RACEWAY AND WIRING TO SOURCE.

# KEY NOTES:

- 3 FACTORY MOUNTED DISCONNECT SWITCH PROVIDED WITH EQUIPMENT.

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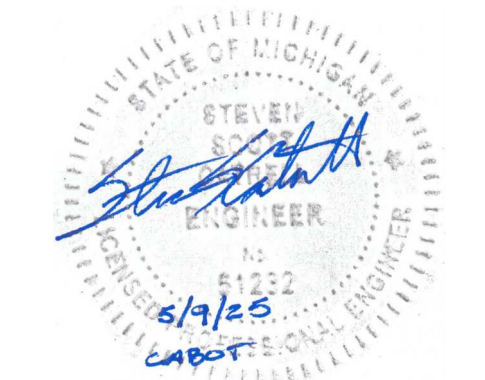
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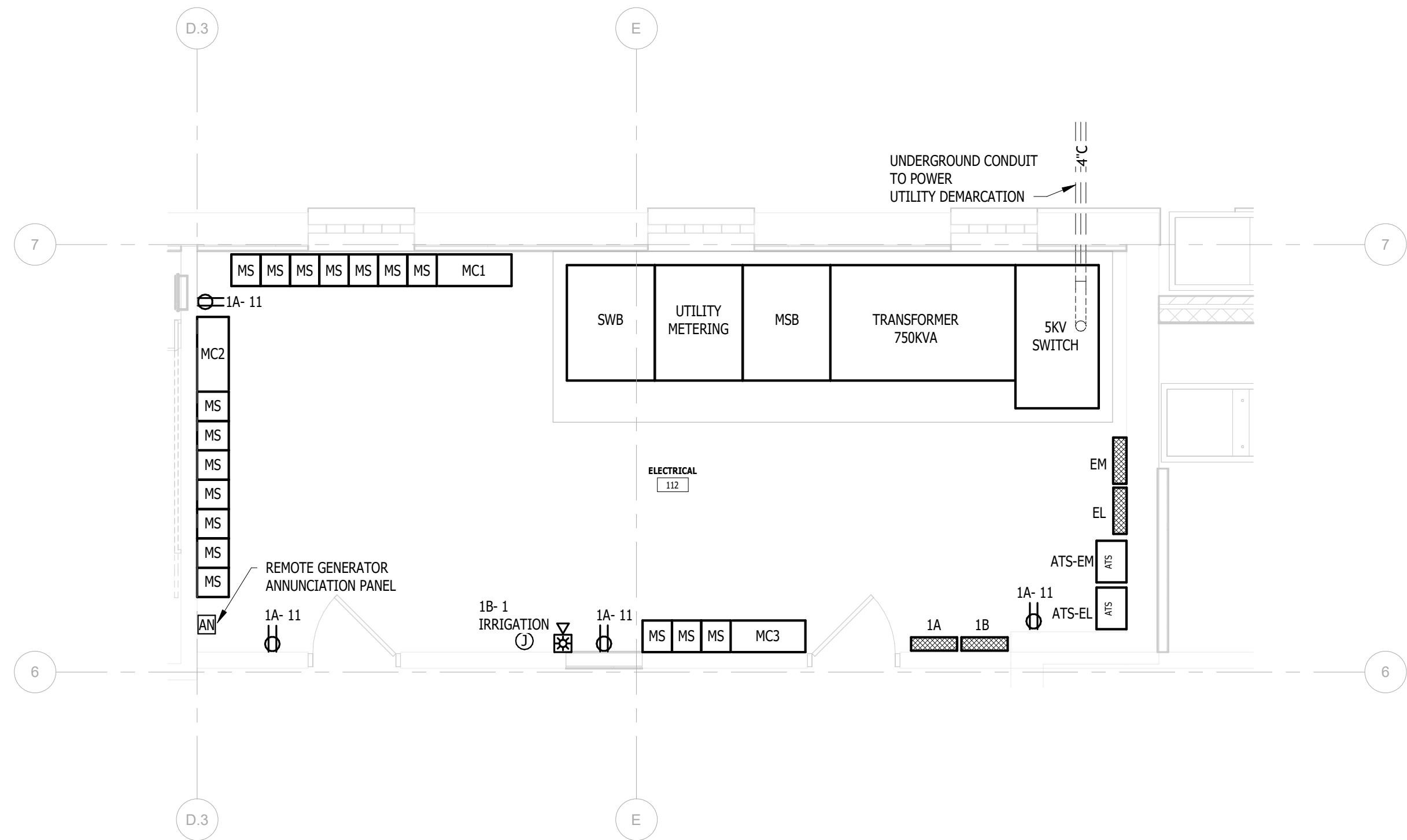
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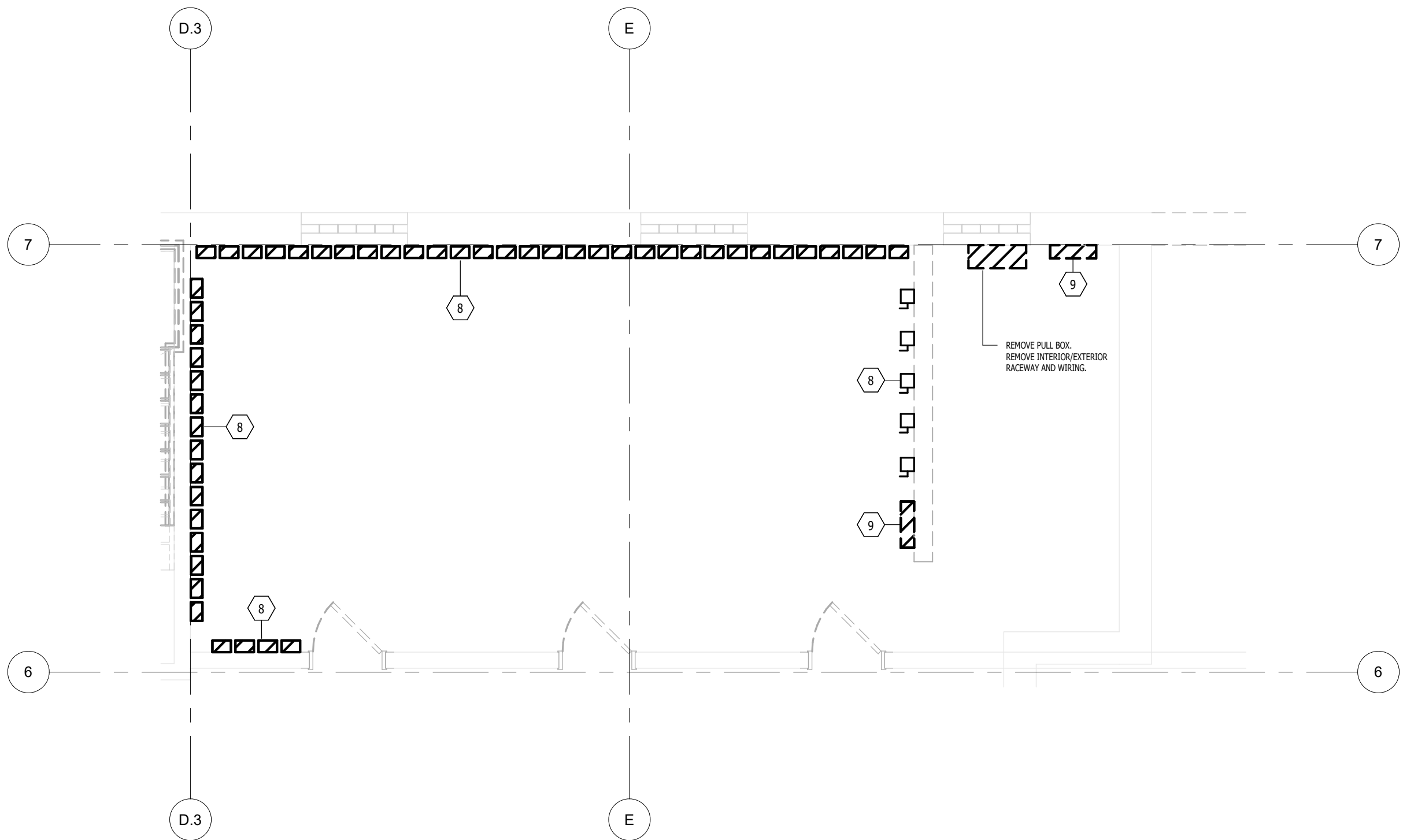
ENLARGED FLOOR PLANS

DRAWING NUMBER

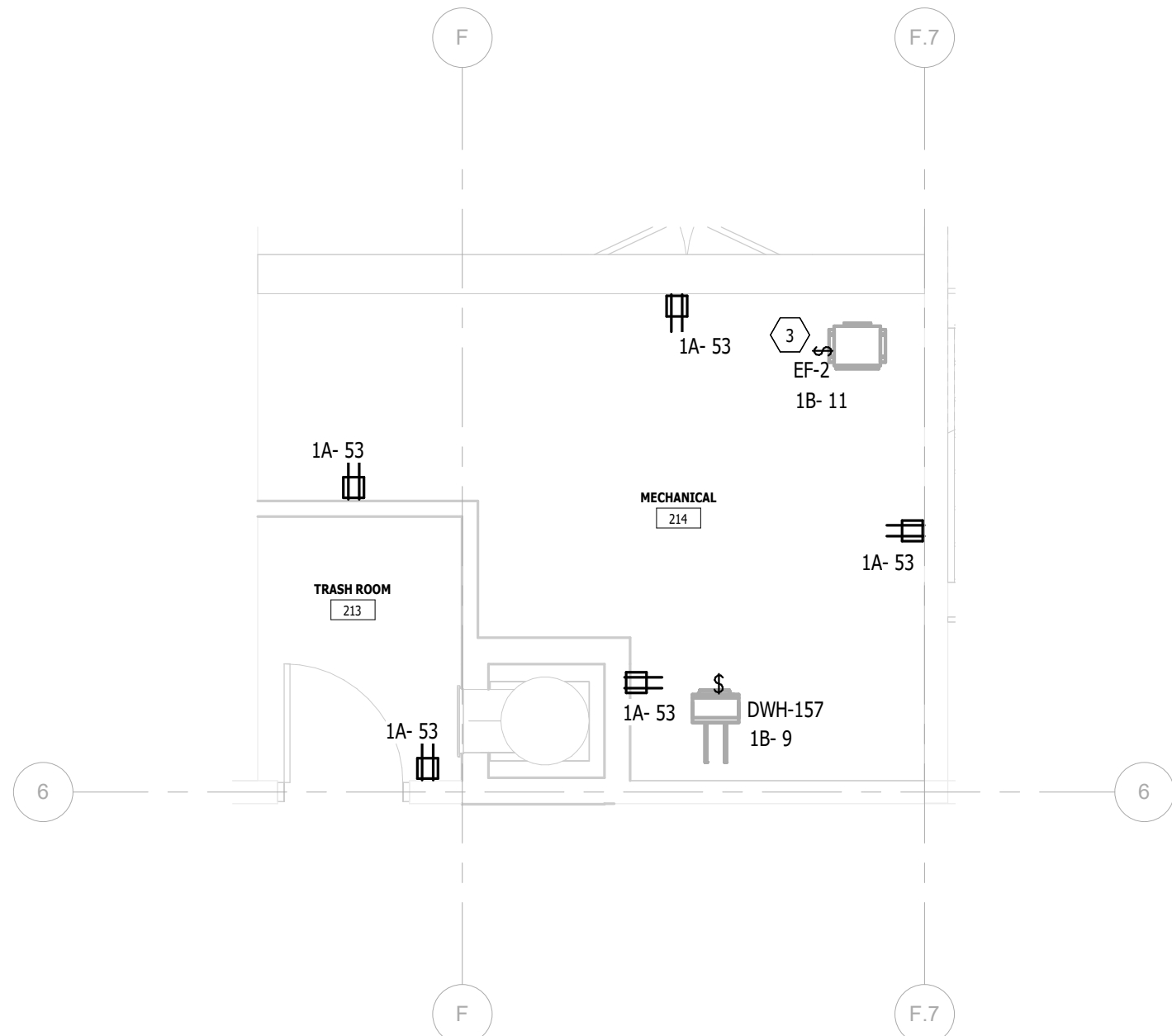
E.L.404



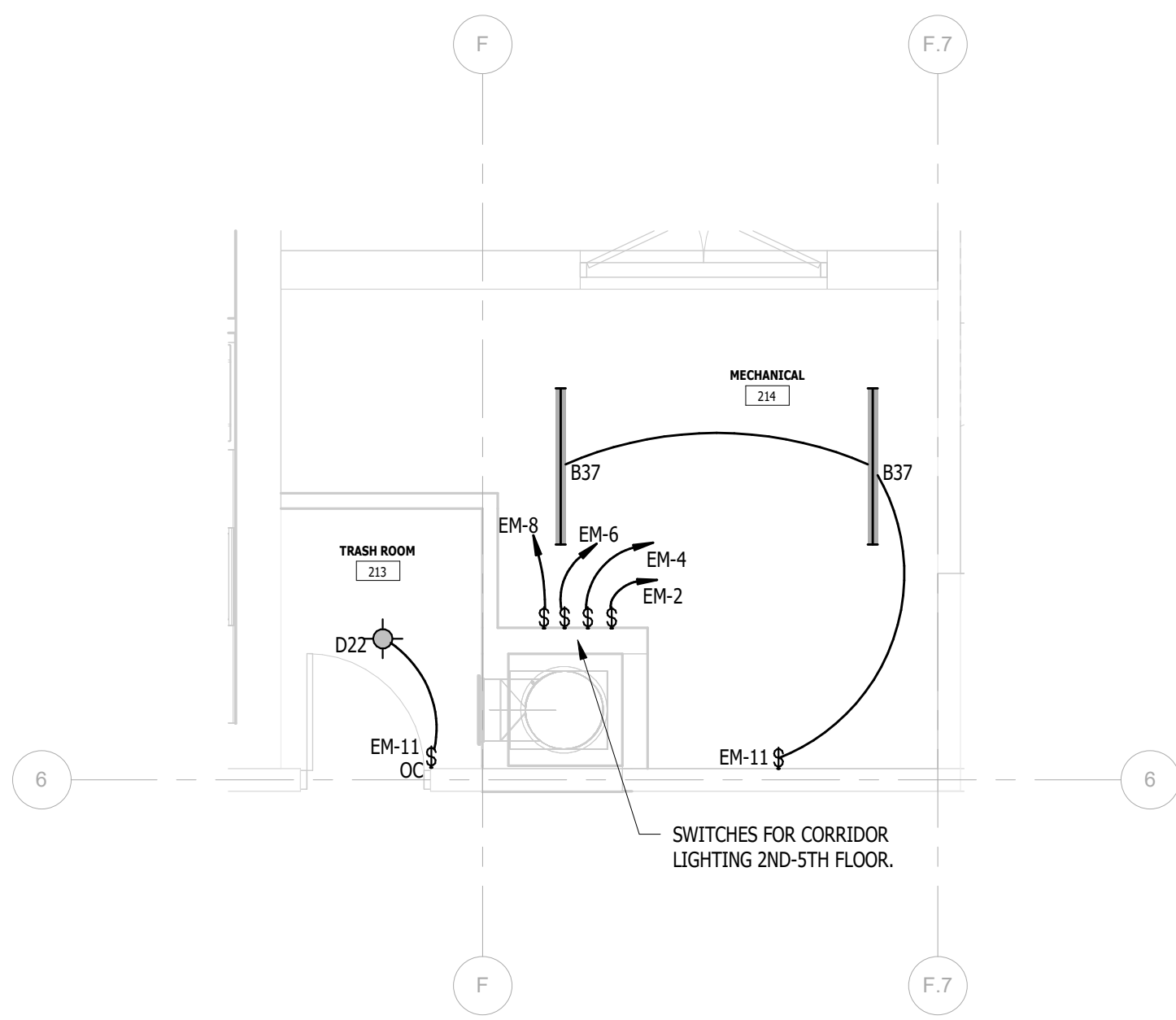
1  
E.L.404  
ENLARGED PLAN - POWER - ELECTRICAL 111  
1/4" = 1'-0"



2  
E.L.404  
ENLARGED PLAN - DEMOLITION - ELECTRICAL 111  
1/4" = 1'-0"



3  
E.L.404  
ENLARGED PLAN - MECHANICAL 214  
NOT TO SCALE



4  
E.L.404  
ENLARGED PLAN - MECHANICAL 214  
1/4" = 1'-0"

| PANELBOARD: A.2                                                                                                                                                |           |   |             |                |                              |                            |        |      |                   |                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---|-------------|----------------|------------------------------|----------------------------|--------|------|-------------------|--------------------|
| LOCATION: A.2 107                                                                                                                                              |           |   |             |                | VOLTAGE: 120/208 V, 1 ø 3 W. |                            |        |      |                   |                    |
| MOUNTING: RECESSED NEMA 1                                                                                                                                      |           |   |             |                | A.I.C. RATING: 10KA/IC       |                            |        |      |                   |                    |
| MAIN DEVICE: 125 A MLO                                                                                                                                         |           |   |             |                | SPECIAL:                     |                            |        |      |                   |                    |
| BUS AMPS: 125 A                                                                                                                                                |           |   |             |                |                              |                            |        |      |                   |                    |
| LOAD DESCRIPTION                                                                                                                                               | BKR       | P | CKT         | PHASE A<br>kVA | PHASE B<br>kVA               | CKT                        | P      | BKR  | LOAD DESCRIPTION  |                    |
| Lighting                                                                                                                                                       | 20 A      | 1 | 1           | 0.2            | 0.2                          | 2                          | 1      | 20 A | Receptacle LIVING |                    |
| Receptacle KITCHEN                                                                                                                                             | 20 A      | 1 | 3           |                | 0.5                          | 0.9                        | 4      | 1    | 20 A              | Receptacle BEDROOM |
| Receptacle KITCHEN                                                                                                                                             | 20 A      | 1 | 5           | 0.5            | 0.5                          |                            | 6      | 2    | 20 A              | EH-2 BEDROOM       |
| RANGE KITCHEN                                                                                                                                                  | 50 A      | 2 | 7           |                | 4.0                          | 0.5                        | 8      |      |                   |                    |
|                                                                                                                                                                |           |   | 9           | 4.0            | 1.7                          |                            | 10     |      |                   |                    |
| MICROWAVE KITCHEN                                                                                                                                              | 20 A      | 1 | 11          |                | 1.5                          | 1.7                        | 12     | 2    | 30 A              | AIO-1 BEDROOM      |
| DISPOSER KITCHEN                                                                                                                                               | 20 A      | 1 | 13          | 0.8            | 0.2                          |                            | 14     | 1    | 20 A              | Receptacle CLOSET  |
| * DISHWASHER KITCHEN                                                                                                                                           | 20 A      | 1 | 15          |                | 1.4                          | 0.3                        | 16     | 2    | 20 A              | EH-6 TOILET        |
| Kitchen                                                                                                                                                        | 20 A      | 1 | 17          | 0.6            | 0.3                          |                            | 18     |      |                   |                    |
| EH-2 KITCHEN                                                                                                                                                   | 20 A      | 2 | 19          |                | 0.5                          | 0.2                        | 20     | 1    | 20 A              | Receptacle TOILET  |
|                                                                                                                                                                |           |   | 21          | 0.5            | 0.0                          |                            | 22     | 1    | 20 A              | SPARE              |
| Receptacle LIVING & HALL                                                                                                                                       | 20 A      | 1 | 23          |                | 0.5                          | 0.0                        | 24     | 1    | 20 A              | SPARE              |
|                                                                                                                                                                |           |   | TOTAL LOAD: |                | 9 kVA                        |                            | 12 kVA |      |                   |                    |
|                                                                                                                                                                |           |   | TOTAL AMPS: |                | 91 A                         |                            | 113 A  |      |                   |                    |
| LOAD CLASSIFICATION                                                                                                                                            | CONNECTED |   | DEMAND      | ESTIMATED      |                              | PANEL TOTALS               |        |      |                   |                    |
| Lighting                                                                                                                                                       | 183 VA    |   | 125.00%     | 228 VA         |                              |                            |        |      |                   |                    |
| Receptacle                                                                                                                                                     | 15960 VA  |   | 81.33%      | 12980 VA       |                              | CONNECTED LOAD: 21489 VA   |        |      |                   |                    |
| Equipment                                                                                                                                                      | 2506 VA   |   | 100.00%     | 2506 VA        |                              | ESTIMATED DEMAND: 18494 VA |        |      |                   |                    |
| Kitchen                                                                                                                                                        | 2840 VA   |   | 97.89%      | 2780 VA        |                              | CONNECTED CURRENT: 103 A   |        |      |                   |                    |
|                                                                                                                                                                |           |   |             |                |                              | EST. DEMAND CURRENT: 89 A  |        |      |                   |                    |
| NOTES:                                                                                                                                                         |           |   |             |                |                              |                            |        |      |                   |                    |
| PROVIDE TYPE 1 INTEGRAL SPD; * INDICATES GFCI CIRCUIT BREAKER; PROVIDE AFCI RATED OUTLETS PER CODE; PANELS WITHIN 100'-0" OF MC1, MC2 OR MC3 SHALL BE 22KA/IC. |           |   |             |                |                              |                            |        |      |                   |                    |

| PANELBOARD: B.2                                                                                                                                               |             |   |         |           |                              |                            |     |    |     |                  |                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---|---------|-----------|------------------------------|----------------------------|-----|----|-----|------------------|--------------------|
| LOCATION: B.2 108                                                                                                                                             |             |   |         |           | VOLTAGE: 120/208 V, 1 ø 3 W. |                            |     |    |     |                  |                    |
| MOUNTING: RECESSED NEMA 1                                                                                                                                     |             |   |         |           | A.I.C. RATING: 10kAIC        |                            |     |    |     |                  |                    |
| MAIN DEVICE: 125 A MLO                                                                                                                                        |             |   |         |           | SPECIAL:                     |                            |     |    |     |                  |                    |
| BUS AMPS: 125 A                                                                                                                                               |             |   |         |           |                              |                            |     |    |     |                  |                    |
| LOAD DESCRIPTION                                                                                                                                              | BKR         | P | CKT     | A         |                              | B                          | CKT | P  | BKR | LOAD DESCRIPTION |                    |
| Lighting                                                                                                                                                      | 20 A        | 1 | 1       | 0.2       | 0.5                          |                            | 2   |    |     |                  |                    |
| Receptacle KITCHEN                                                                                                                                            | 20 A        | 1 | 3       |           |                              | 0.5                        | 0.5 | 4  | 2   | 20 A             | EH-2 LIVING        |
| Receptacle KITCHEN                                                                                                                                            | 20 A        | 1 | 5       | 0.4       | 0.6                          |                            |     | 6  |     |                  |                    |
| RANGE KITCHEN                                                                                                                                                 | 50 A        | 2 | 7       |           |                              | 4.0                        | 0.6 | 8  | 2   | 20 A             | EH-1 BEDROOM       |
|                                                                                                                                                               |             |   | 9       | 4.0       | 0.7                          |                            |     | 10 | 1   | 20 A             | Receptacle BEDROOM |
| MICROWAVE KITCHEN                                                                                                                                             | 20 A        | 1 | 11      |           |                              | 1.5                        | 1.7 | 12 | 2   | 30 A             | AIO-1 BEDROOM      |
| DISPOSER KITCHEN                                                                                                                                              | 20 A        | 1 | 13      | 0.8       | 1.7                          |                            |     | 14 |     |                  |                    |
| * DISHWASHER KITCHEN                                                                                                                                          | 20 A        | 1 | 15      |           |                              | 1.4                        | 0.6 | 16 |     |                  |                    |
| REFRIGERATOR KITCHEN                                                                                                                                          | 20 A        | 1 | 17      | 0.6       | 0.6                          |                            |     | 18 | 2   | 20 A             | EH-1 BEDROOM       |
| Receptacle LIVING                                                                                                                                             | 20 A        | 1 | 19      |           |                              | 0.5                        | 0.2 | 20 | 1   | 20 A             | Receptacle CLOSET  |
| Receptacle LIVING                                                                                                                                             | 20 A        | 1 | 21      | 0.7       | 0.2                          |                            |     | 22 | 1   | 20 A             | Receptacle TOILET  |
| Receptacle BEDROOM                                                                                                                                            | 20 A        | 1 | 23      |           |                              | 0.7                        | 0.0 | 24 | 1   | 20 A             | SPARE              |
|                                                                                                                                                               |             |   | 25      | 0.3       | 0.0                          |                            |     | 26 | 1   | 20 A             | SPARE              |
| EH-6 TOILET                                                                                                                                                   | 20 A        | 2 | 27      |           |                              | 0.3                        | 0.0 | 28 | 1   | 20 A             | SPARE              |
|                                                                                                                                                               |             |   | 29      | 0.0       | 0.0                          |                            |     | 30 | 1   | 20 A             | SPARE              |
| SPARE                                                                                                                                                         |             |   |         |           |                              |                            |     |    |     |                  |                    |
|                                                                                                                                                               | TOTAL LOAD: |   |         | 11 kVA    |                              | 12 kVA                     |     |    |     |                  |                    |
|                                                                                                                                                               | TOTAL AMPS: |   |         | 107 A     |                              | 118 A                      |     |    |     |                  |                    |
| LOAD CLASSIFICATION                                                                                                                                           | CONNECTED   |   | DEMAND  | ESTIMATED |                              | PANEL TOTALS               |     |    |     |                  |                    |
| Lighting                                                                                                                                                      | 221 VA      |   | 125.00% | 276 VA    |                              |                            |     |    |     |                  |                    |
| Receptacle                                                                                                                                                    | 16860 VA    |   | 79.66%  | 13430 VA  |                              | CONNECTED LOAD: 23675 VA   |     |    |     |                  |                    |
| Equipment                                                                                                                                                     | 3754 VA     |   | 100.00% | 3754 VA   |                              | ESTIMATED DEMAND: 20240 VA |     |    |     |                  |                    |
| Kitchen                                                                                                                                                       | 2840 VA     |   | 97.89%  | 2780 VA   |                              | CONNECTED CURRENT: 114 A   |     |    |     |                  |                    |
|                                                                                                                                                               |             |   |         |           |                              | EST. DEMAND CURRENT: 97 A  |     |    |     |                  |                    |
|                                                                                                                                                               |             |   |         |           |                              |                            |     |    |     |                  |                    |
|                                                                                                                                                               |             |   |         |           |                              |                            |     |    |     |                  |                    |
| NOTES:                                                                                                                                                        |             |   |         |           |                              |                            |     |    |     |                  |                    |
| PROVIDE TYPE 1 INTEGRAL SPD; * INDICATES GFCI CIRCUIT BREAKER; PROVIDE AFCI RATED OUTLETS PER CODE; PANELS WITHIN 100'-0" OF MC1, MC2 OR MC3 SHALL BE 22KAIC. |             |   |         |           |                              |                            |     |    |     |                  |                    |

# KEY NOTES:

- 1 HALF SWITCHED TOP RECEPTACLE. SWITCHED INDEPENDENT OF LIGHTING, PROVIDE CONTROLLED RECEPTACLE MARKING.
- 2 SWITCH WIRED TO CONTROL TOP HALF DUPLEX RECEPTACLE OUTLET.
- 3 PROVIDE STRUCTURED WIRING SURFACE MOUNT CABINET SIMILAR BENNER-NAWMAN 14104-MMH 14.25" WIDE X 10" TALL X 4" DEEP AND 120 VOLT RECEPTACLE. PROVIDE EMPTY 1 1/4"X WITH PULL ROPE FROM CABINET TO BACKBOARD LOCATED IN THE MECHANICAL ROOM ON THE FIRST FLOOR. FUNCTIONS AS MEDIA EQUIPMENT STORAGE AND STRUCTURED WIRING ENCLOSURE.

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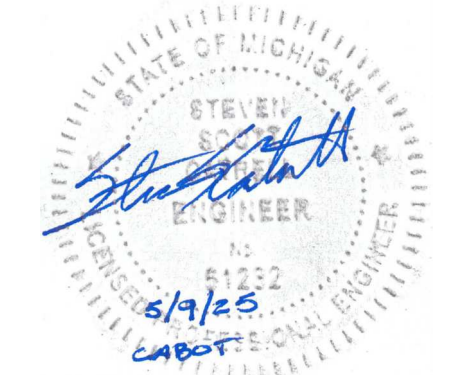
MEP CONSULTING ENGINEER  
  
491 E. WRIGHT AVE.  
SHEPHERD MI, 48883  
989-567-1100  
KTSENGINEERINGGROUP.COM  
  
KTS PROJECT NO. 25-0251

NOTE | IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS TO EXAMINE THE COMPLETE SET OF DRAWINGS AND SPECIFICATIONS AND TO PROVIDE LABOR AND MATERIAL FOR THEIR RESPECTIVE AREA OF WORK FOR A COMPLETE AND FINISHED INSTALLATION IN COMPLIANCE WITH THE INTENT OF THE DRAWINGS AND THE SPECIFICATIONS. SUBMITTAL OF PROPOSAL IMPLIES THAT THE CONTRACTOR/SUBCONTRACTOR HAS REVIEWED ALL CONTRACT DOCUMENTS AND IS FULLY CONVERSANT WITH AND AWARE OF ALL REQUIREMENTS OF ALL DIVISIONS.

**FSP**  
FUSCO,  
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PAPPAS, INC.  
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MICHIGAN

13725 DEXTER AVENUE  
CABOT APARTMENTS  
RENOVATION OF

DETROIT

|            |                 |
|------------|-----------------|
| 09.15.2026 | OWNER REVISIONS |
| 06.24.2025 | BIDS            |
| 05.09.2025 | PERMIT          |
| DATE       | ISSUE           |

KEY PLAN

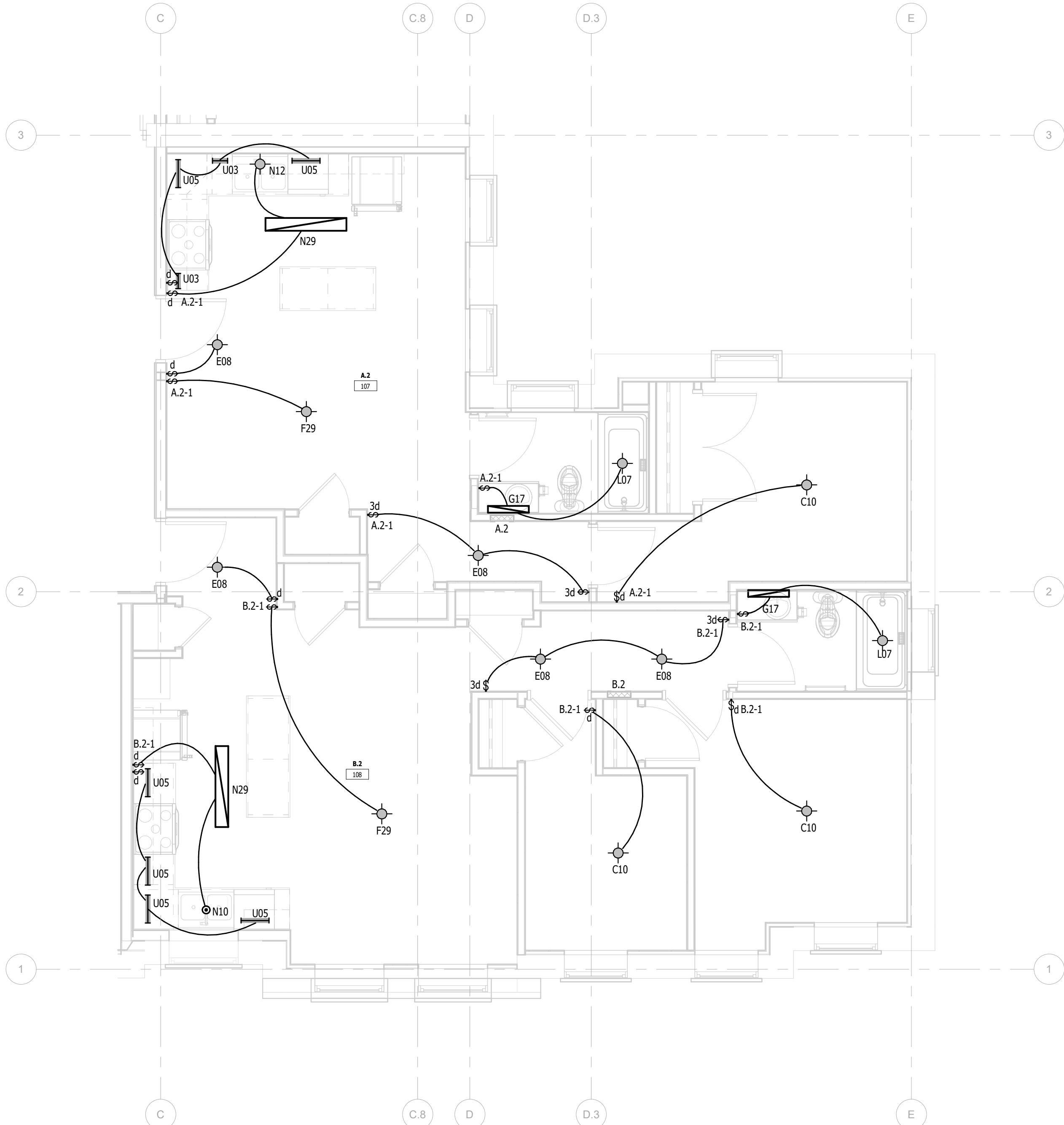
FSP PROJECT NO.  
TRC22064

DRAWING TITLE

ENLARGED UNIT PLANS

DRAWING NUMBER

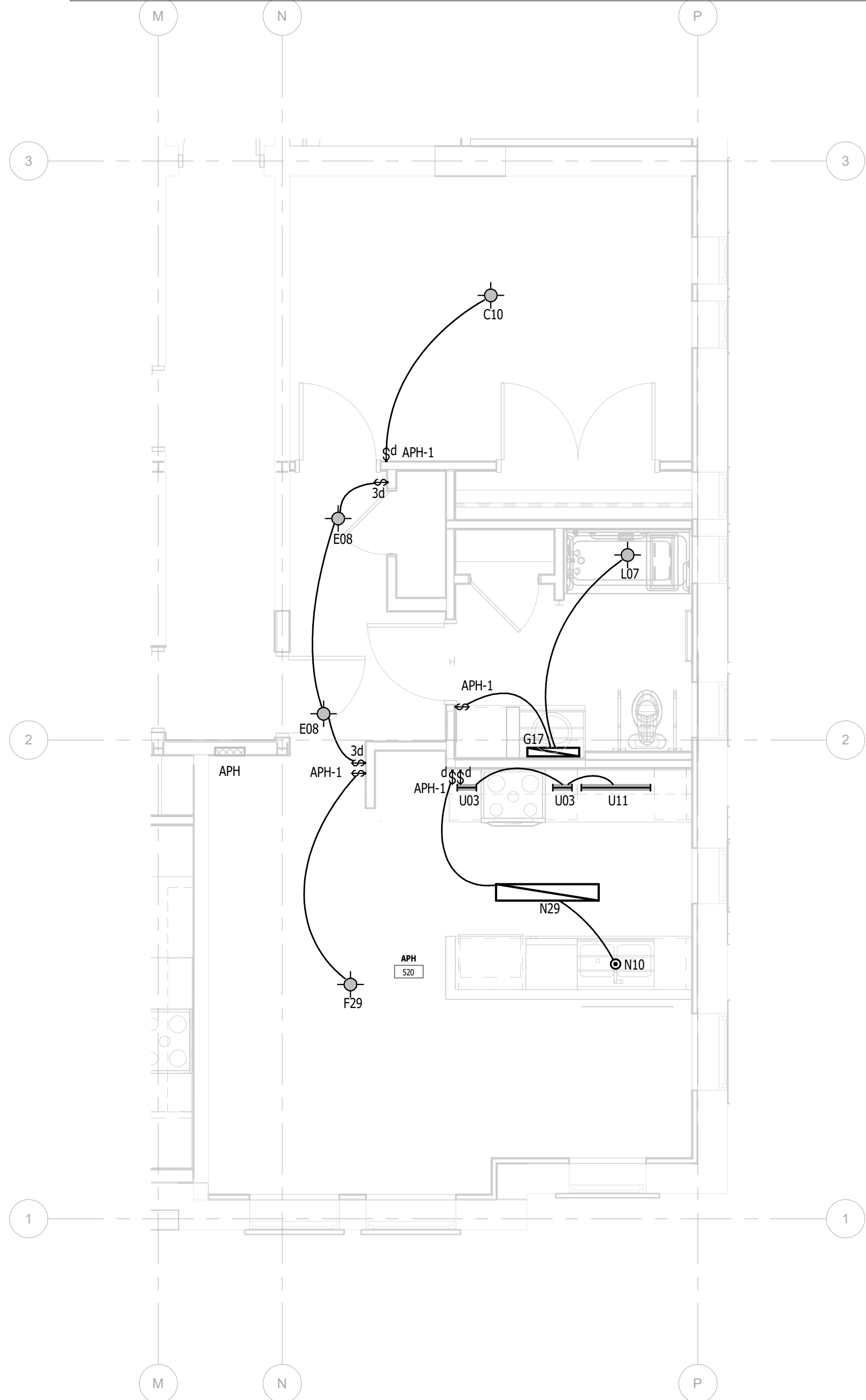
E.L.411



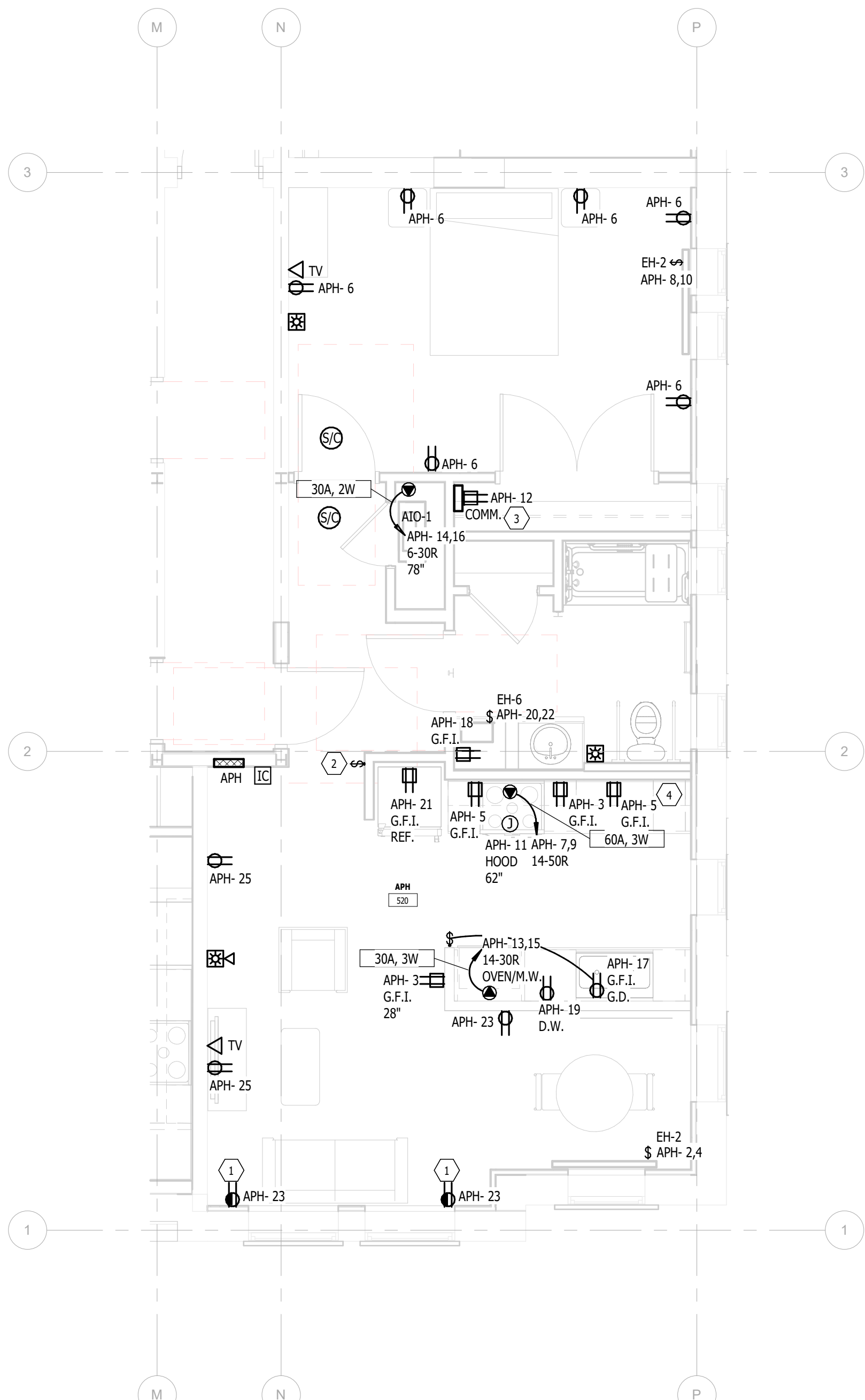
2 UNIT A.2, B.2 (BASEMENT - 4TH FLOOR) - LIGHTING  
E.L.411 1/4" = 1'-0"



| PANELBOARD: APH                                                                                                                                               |           |         |     |                              |     |                            |     |     |   |      |                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------|-----|------------------------------|-----|----------------------------|-----|-----|---|------|--------------------|
| LOCATION: APH 519                                                                                                                                             |           |         |     | VOLTAGE: 120/208 V, 1 ø 3 W. |     |                            |     |     |   |      |                    |
| MOUNTING: RECESSED NEMA 1                                                                                                                                     |           |         |     | A.I.C. RATING: 10kAIC        |     |                            |     |     |   |      |                    |
| MAIN DEVICE: 125 A MLO                                                                                                                                        |           |         |     | SPECIAL:                     |     |                            |     |     |   |      |                    |
| BUS AMPS: 125 A                                                                                                                                               |           |         |     |                              |     |                            |     |     |   |      |                    |
| LOAD DESCRIPTION                                                                                                                                              | BKR       | P       | CKT | A                            |     | B                          |     | CKT | P | BKR  | LOAD DESCRIPTION   |
| Lighting                                                                                                                                                      | 20 A      | 1       | 1   | 0.2                          | 0.5 |                            |     | 2   | 2 | 20 A | EH-2 LIVING        |
| Receptacle KITCHEN                                                                                                                                            | 20 A      | 1       | 3   |                              |     | 0.4                        | 0.5 | 4   |   | 20 A |                    |
| Receptacle KITCHEN                                                                                                                                            | 20 A      | 1       | 5   | 0.4                          | 1.1 |                            |     | 6   | 1 | 20 A | Receptacle BEDROOM |
| RANGE KITCHEN                                                                                                                                                 | 50 A      | 2       | 7   |                              |     | 4.0                        | 0.5 | 8   | 2 | 20 A | EH-2 BEDROOM       |
|                                                                                                                                                               |           |         | 9   | 4.0                          | 0.5 |                            |     | 10  |   |      |                    |
| HOOD KITCHEN                                                                                                                                                  | 20 A      | 1       | 11  |                              |     | 0.2                        | 0.2 | 12  | 1 | 20 A | Receptacle CLOSET  |
| * OVEN/M.W. KITCHEN                                                                                                                                           | 30 A      | 2       | 13  | 2.5                          | 1.7 |                            |     | 14  | 2 | 30 A | AIO-1 CLOSET       |
|                                                                                                                                                               |           |         | 15  |                              |     | 2.5                        | 1.7 | 16  |   |      |                    |
| DISPOSER KITCHEN                                                                                                                                              | 20 A      | 1       | 17  | 0.8                          | 0.2 |                            |     | 18  | 1 | 20 A | Receptacle TOILET  |
| * DISHWASHER KITCHEN                                                                                                                                          | 20 A      | 1       | 19  |                              |     | 1.4                        | 0.3 | 20  |   | 20 A |                    |
| REFRIGERATOR KITCHEN                                                                                                                                          | 20 A      | 1       | 21  | 0.6                          | 0.3 |                            |     | 22  | 2 | 20 A | EH-6 TOILET        |
| Receptacle LIVING                                                                                                                                             | 20 A      | 1       | 23  |                              |     | 0.5                        | 0.0 | 24  | 1 | 20 A | SPARE              |
| Receptacle LIVING                                                                                                                                             | 20 A      | 1       | 25  | 0.4                          | 0.0 |                            |     | 26  | 1 | 20 A | SPARE              |
| SPARE                                                                                                                                                         | 20 A      | 1       | 27  |                              |     | 0.0                        | 0.0 | 28  | 1 | 20 A | SPARE              |
| SPARE                                                                                                                                                         | 20 A      | 1       | 29  | 0.0                          | 0.0 |                            |     | 30  | 1 | 20 A | SPARE              |
| TOTAL LOAD:                                                                                                                                                   |           |         |     | 13 kVA                       |     | 12 kVA                     |     |     |   |      |                    |
| TOTAL AMPS:                                                                                                                                                   |           |         |     | 124 A                        |     | 117 A                      |     |     |   |      |                    |
| LOAD CLASSIFICATION                                                                                                                                           | CONNECTED | DEMAND  |     | ESTIMATED                    |     | PANEL TOTALS               |     |     |   |      |                    |
| Lighting                                                                                                                                                      | 159 VA    | 125.00% |     | 199 VA                       |     |                            |     |     |   |      |                    |
| Receptacle                                                                                                                                                    | 19640 VA  | 75.46%  |     | 14820 VA                     |     | CONNECTED LOAD: 25145 VA   |     |     |   |      |                    |
| Equipment                                                                                                                                                     | 2506 VA   | 100.00% |     | 2506 VA                      |     | ESTIMATED DEMAND: 20305 VA |     |     |   |      |                    |
| Kitchen                                                                                                                                                       | 2840 VA   | 97.89%  |     | 2780 VA                      |     | CONNECTED CURRENT: 121 A   |     |     |   |      |                    |
|                                                                                                                                                               |           |         |     |                              |     | EST. DEMAND CURRENT: 98 A  |     |     |   |      |                    |
|                                                                                                                                                               |           |         |     |                              |     |                            |     |     |   |      |                    |
| NOTES:                                                                                                                                                        |           |         |     |                              |     |                            |     |     |   |      |                    |
| PROVIDE TYPE 1 INTEGRAL SPD; * INDICATES GFCI CIRCUIT BREAKER; PROVIDE AFCI RATED OUTLETS PER CODE; PANELS WITHIN 100'-0" OF MC1, MC2 OR MC3 SHALL BE 22KAIC. |           |         |     |                              |     |                            |     |     |   |      |                    |



2  
E.L.412  
UNIT APH (FIRST - 4TH FLOOR) - LIGHTING  
1/4" = 1'-0"



1  
E.L.412  
UNIT APH(FIRST - 4TH FLOOR) - POWER  
1/4" = 1'-0"

# KEY NOTES:

- 1 HALF SWITCHED TOP RECEPTACLE. SWITCHED INDEPENDENT OF LIGHTING, PROVIDE CONTROLLED RECEPTACLE MARKING.
- 2 SWITCH WIRED TO CONTROL TOP HALF DUPLEX RECEPTACLE OUTLET.
- 3 PROVIDE STRUCTURED WIRING SURFACE MOUNT CABINET SIMILAR BENNER-NAWMAN 14104-MMH 14.25" WIDE X 10" TALL X 4" DEEP AND 120 VOLT RECEPTACLE. PROVIDE EMPTY 1 1/4"X WITH PULL ROPE FROM CABINET TO BACKBOARD LOCATED IN THE MECHANICAL ROOM ON THE FIRST FLOOR. FUNCTIONS AS MEDIA EQUIPMENT STORAGE AND STRUCTURED WIRING ENCLOSURE.
- 4 ELECTRICAL OUTLETS ON WALLS OVER CABINETS MUST BE A MINIMUM OF 36" FROM A CORNER.

**KTS**  
ENGINEERING  
GROUP

MEP CONSULTING ENGINEER

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SHEPHERD MI, 48883  
989-567-1100  
KTSENGINEERINGGROUP.COM

KTS PROJECT NO. 25-0251

NOTE | IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS TO EXAMINE THE COMPLETE SET OF DRAWINGS AND SPECIFICATIONS AND TO PROVIDE LABOR AND MATERIAL FOR THEIR RESPECTIVE AREA OF WORK FOR A COMPLETE AND FINISHED INSTALLATION IN COMPLIANCE WITH THE INTENT OF THE DRAWINGS AND THE SPECIFICATIONS. SUBMITTAL OF PROPOSAL IMPLIES THAT THE CONTRACTOR/SUBCONTRACTOR HAS REVIEWED ALL CONTRACT DOCUMENTS AND IS FULLY CONVERSANT WITH AND AWARE OF ALL REQUIREMENTS OF ALL DIVISIONS.

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MICHIGAN

13725 DEXTER AVENUE  
CABOT APARTMENTS  
RENOVATION OF

DETROIT

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| 09.15.2026 | OWNER REVISIONS |
| 06.24.2025 | BIDS            |
| 05.09.2025 | PERMIT          |
| DATE       | ISSUE           |

KEY PLAN

FSP PROJECT NO.  
TRC22.064

DRAWING TITLE

ENLARGED UNIT PLANS

DRAWING NUMBER

E.L.412

| PANELBOARD: A.3                                                                                                                                               |           |         |     |                              |     |                            |     |     |   |      |                    |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------|-----|------------------------------|-----|----------------------------|-----|-----|---|------|--------------------|--|
| LOCATION: A.3 109                                                                                                                                             |           |         |     | VOLTAGE: 120/208 V, 1 ø 3 W. |     |                            |     |     |   |      |                    |  |
| MOUNTING: RECESSED NEMA 1                                                                                                                                     |           |         |     | A.I.C. RATING: 10kAIC        |     |                            |     |     |   |      |                    |  |
| MAIN DEVICE: 125 A MLO                                                                                                                                        |           |         |     | SPECIAL:                     |     |                            |     |     |   |      |                    |  |
| BUS AMPS: 125 A                                                                                                                                               |           |         |     |                              |     |                            |     |     |   |      |                    |  |
| LOAD DESCRIPTION                                                                                                                                              | BKR       | P       | CKT | PHASE A<br>kVA               |     | PHASE B<br>kVA             |     | CKT | P | BKR  | LOAD DESCRIPTION   |  |
| Lighting                                                                                                                                                      | 20 A      | 1       | 1   | 0.2                          | 0.5 |                            |     | 2   |   |      |                    |  |
| Receptacle KITCHEN                                                                                                                                            | 20 A      | 1       | 3   |                              |     | 0.4                        | 0.5 | 4   | 2 | 20 A | EH-2 LIVING        |  |
| Receptacle KITCHEN                                                                                                                                            | 20 A      | 1       | 5   | 0.4                          | 0.7 |                            |     | 6   | 1 | 20 A | Receptacle BEDROOM |  |
| Receptacle KITCHEN                                                                                                                                            | 20 A      | 1       | 7   |                              |     | 0.2                        | 0.2 | 8   | 1 | 20 A | Receptacle CLOSET  |  |
| RANGE KITCHEN                                                                                                                                                 | 50 A      | 2       | 9   | 4.0                          | 0.6 |                            |     | 10  |   | 20 A | EH-1 BEDROOM       |  |
|                                                                                                                                                               |           |         | 11  |                              |     | 4.0                        | 0.6 | 12  | 2 |      |                    |  |
| * MICROWAVE KITCHEN                                                                                                                                           | 20 A      | 1       | 13  | 1.5                          | 1.7 |                            |     | 14  |   | 30 A | AIO-1 CLOSET       |  |
| * DISPOSER KITCHEN                                                                                                                                            | 20 A      | 1       | 15  |                              |     | 0.8                        | 1.7 | 16  | 2 |      |                    |  |
| * DISHWASHER KITCHEN                                                                                                                                          | 20 A      | 1       | 17  | 1.4                          | 0.2 |                            |     | 18  | 1 | 20 A | Receptacle TOILET  |  |
| REFRIGERATOR KITCHEN                                                                                                                                          | 20 A      | 1       | 19  |                              |     | 0.6                        | 0.3 | 20  |   | 20 A | EH-6 TOILET        |  |
| Receptacle LIVING                                                                                                                                             | 20 A      | 1       | 21  | 0.5                          | 0.3 |                            |     | 22  | 2 |      |                    |  |
| Receptacle LIVING                                                                                                                                             | 20 A      | 1       | 23  |                              |     | 0.4                        | 0.0 | 24  | 1 | 20 A | SPARE              |  |
| TOTAL LOAD:                                                                                                                                                   |           |         |     | 12 kVA                       |     | 9 kVA                      |     |     |   |      |                    |  |
| TOTAL AMPS:                                                                                                                                                   |           |         |     | 111 A                        |     | 91 A                       |     |     |   |      |                    |  |
| LOAD CLASSIFICATION                                                                                                                                           | CONNECTED | DEMAND  |     | ESTIMATED                    |     | PANEL TOTALS               |     |     |   |      |                    |  |
| Lighting                                                                                                                                                      | 159 VA    | 125.00% |     | 199 VA                       |     |                            |     |     |   |      |                    |  |
| Receptacle                                                                                                                                                    | 15780 VA  | 81.69%  |     | 12890 VA                     |     | CONNECTED LOAD: 21410 VA   |     |     |   |      |                    |  |
| Equipment                                                                                                                                                     | 2631 VA   | 100.00% |     | 2631 VA                      |     | ESTIMATED DEMAND: 18500 VA |     |     |   |      |                    |  |
| Kitchen                                                                                                                                                       | 2840 VA   | 97.89%  |     | 2780 VA                      |     | CONNECTED CURRENT: 103 A   |     |     |   |      |                    |  |
|                                                                                                                                                               |           |         |     |                              |     | EST. DEMAND CURRENT: 89 A  |     |     |   |      |                    |  |
|                                                                                                                                                               |           |         |     |                              |     |                            |     |     |   |      |                    |  |
|                                                                                                                                                               |           |         |     |                              |     |                            |     |     |   |      |                    |  |
| NOTES:                                                                                                                                                        |           |         |     |                              |     |                            |     |     |   |      |                    |  |
| PROVIDE TYPE 1 INTEGRAL SPD; * INDICATES GFCI CIRCUIT BREAKER; PROVIDE AFCI RATED OUTLETS PER CODE; PANELS WITHIN 100'-0" OF MC1, MC2 OR MC3 SHALL BE 22KAIC. |           |         |     |                              |     |                            |     |     |   |      |                    |  |

| PANELBOARD: A.5                                                                                                                                               |           |         |     |                              |     |                            |     |     |   |      |                   |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------|-----|------------------------------|-----|----------------------------|-----|-----|---|------|-------------------|--|
| LOCATION: A.5 118                                                                                                                                             |           |         |     | VOLTAGE: 120/208 V. 1 ø 3 W. |     |                            |     |     |   |      |                   |  |
| MOUNTING: RECESSED NEMA 1                                                                                                                                     |           |         |     | A.I.C. RATING: 10kAIC        |     |                            |     |     |   |      |                   |  |
| MAIN DEVICE: 125 A MLO                                                                                                                                        |           |         |     | SPECIAL:                     |     |                            |     |     |   |      |                   |  |
| BUS AMPS: 125 A                                                                                                                                               |           |         |     |                              |     |                            |     |     |   |      |                   |  |
| LOAD DESCRIPTION                                                                                                                                              | BKR       | P       | CKT | PHASE A<br>kVA               |     | PHASE B<br>kVA             |     | CKT | P | BKR  | LOAD DESCRIPTION  |  |
| Lighting                                                                                                                                                      | 20 A      | 1       | 1   | 0.2                          | 0.5 |                            |     | 2   |   |      |                   |  |
| Receptacle KITCHEN                                                                                                                                            | 20 A      | 1       | 3   |                              |     | 0.4                        | 0.5 | 4   | 2 | 20 A | EH-2 LIVING       |  |
| Receptacle KITCHEN                                                                                                                                            | 20 A      | 1       | 5   | 0.4                          | 0.5 |                            |     | 6   |   |      |                   |  |
| RANGE KITCHEN                                                                                                                                                 | 50 A      | 2       | 7   |                              |     | 4.0                        | 0.5 | 8   | 2 | 20 A | EH-2 BEDROOM      |  |
|                                                                                                                                                               |           |         | 9   | 4.0                          | 0.2 |                            |     | 10  | 1 | 20 A | Receptacle CLOSET |  |
| * MICROWAVE KITCHEN                                                                                                                                           | 20 A      | 1       | 11  |                              |     | 1.5                        | 1.7 | 12  | 2 | 30 A | A/O-1 CLOSET      |  |
| DISPOSER KITCHEN                                                                                                                                              | 20 A      | 1       | 13  | 0.8                          | 1.7 |                            |     | 14  |   |      |                   |  |
| * DISHWASHER KITCHEN                                                                                                                                          | 20 A      | 1       | 15  |                              |     | 1.4                        | 0.2 | 16  | 1 | 20 A | Receptacle TOILET |  |
| REFRIGERATOR KITCHEN                                                                                                                                          | 20 A      | 1       | 17  | 0.6                          | 0.3 |                            |     | 18  | 2 | 20 A | EH-6 TOILET       |  |
| Receptacle LIVING                                                                                                                                             | 20 A      | 1       | 19  |                              |     | 0.5                        | 0.3 | 20  |   |      |                   |  |
| Receptacle LIVING                                                                                                                                             | 20 A      | 1       | 21  | 0.7                          | 0.0 |                            |     | 22  | 1 | 20 A | SPARE             |  |
| Receptacle BEDROOM                                                                                                                                            | 20 A      | 1       | 23  |                              |     | 0.9                        | 0.0 | 24  | 1 | 20 A | SPARE             |  |
| TOTAL LOAD:                                                                                                                                                   |           |         |     | 10 kVA                       |     | 12 kVA                     |     |     |   |      |                   |  |
| TOTAL AMPS:                                                                                                                                                   |           |         |     | 94 A                         |     | 111 A                      |     |     |   |      |                   |  |
| LOAD CLASSIFICATION                                                                                                                                           | CONNECTED | DEMAND  |     | ESTIMATED                    |     | PANEL TOTALS               |     |     |   |      |                   |  |
| Lighting                                                                                                                                                      | 155 VA    | 125.00% |     | 193 VA                       |     |                            |     |     |   |      |                   |  |
| Receptacle                                                                                                                                                    | 16140 VA  | 80.98%  |     | 13070 VA                     |     | CONNECTED LOAD: 21641 VA   |     |     |   |      |                   |  |
| Equipment                                                                                                                                                     | 2506 VA   | 100.00% |     | 2506 VA                      |     | ESTIMATED DEMAND: 18549 VA |     |     |   |      |                   |  |
| Kitchen                                                                                                                                                       | 2840 VA   | 97.89%  |     | 2780 VA                      |     | CONNECTED CURRENT: 104 A   |     |     |   |      |                   |  |
|                                                                                                                                                               |           |         |     |                              |     | EST. DEMAND CURRENT: 89 A  |     |     |   |      |                   |  |
|                                                                                                                                                               |           |         |     |                              |     |                            |     |     |   |      |                   |  |
|                                                                                                                                                               |           |         |     |                              |     |                            |     |     |   |      |                   |  |
| NOTES:                                                                                                                                                        |           |         |     |                              |     |                            |     |     |   |      |                   |  |
| PROVIDE TYPE 1 INTEGRAL SPD; * INDICATES GFCI CIRCUIT BREAKER; PROVIDE AFCI RATED OUTLETS PER CODE; PANELS WITHIN 100'-0" OF MC1, MC2 OR MC3 SHALL BE 22KAIC. |           |         |     |                              |     |                            |     |     |   |      |                   |  |

# KEY NOTES:

- 1 HALF SWITCHED TOP RECEPTACLE. SWITCHED INDEPENDENT OF LIGHTING, PROVIDE CONTROLLED RECEPTACLE MARKING.
- 2 SWITCH WIRED TO CONTROL TOP HALF DUPLEX RECEPTACLE OUTLET.
- 3 PROVIDE STRUCTURED WIRING SURFACE MOUNT CABINET SIMILAR BENNER-NAWMAN 14104-MMH 14.25" WIDE X 10" TALL X 4" DEEP AND 120 VOLT RECEPTACLE. PROVIDE EMPTY 1 1/4" WITH PULL ROPE FROM CABINET TO BACKBOARD LOCATED IN THE MECHANICAL ROOM ON THE FIRST FLOOR. FUNCTIONS AS MEDIA EQUIPMENT STORAGE AND STRUCTURED WIRING ENCLOSURE.

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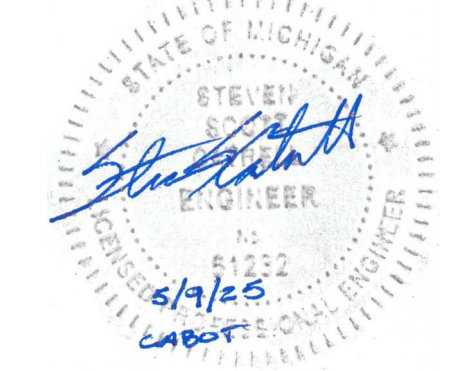
MEP CONSULTING ENGINEER  
  
491 E. WRIGHT AVE.  
SHEPHERD MI, 48883  
989-567-1100  
KTSENGINEERINGGROUP.COM  
  
KTS PROJECT NO. 25-0251

NOTE | IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS TO EXAMINE THE COMPLETE SET OF DRAWINGS AND SPECIFICATIONS AND TO PROVIDE LABOR AND MATERIAL FOR THEIR RESPECTIVE AREA OF WORK FOR A COMPLETE AND FINISHED INSTALLATION IN COMPLIANCE WITH THE INTENT OF THE DRAWINGS AND THE SPECIFICATIONS. SUBMITTAL OF PROPOSAL IMPLIES THAT THE CONTRACTOR/SUBCONTRACTOR HAS REVIEWED ALL CONTRACT DOCUMENTS AND IS FULLY CONVERSANT WITH AND AWARE OF ALL REQUIREMENTS OF ALL DIVISIONS.

**FSP**  
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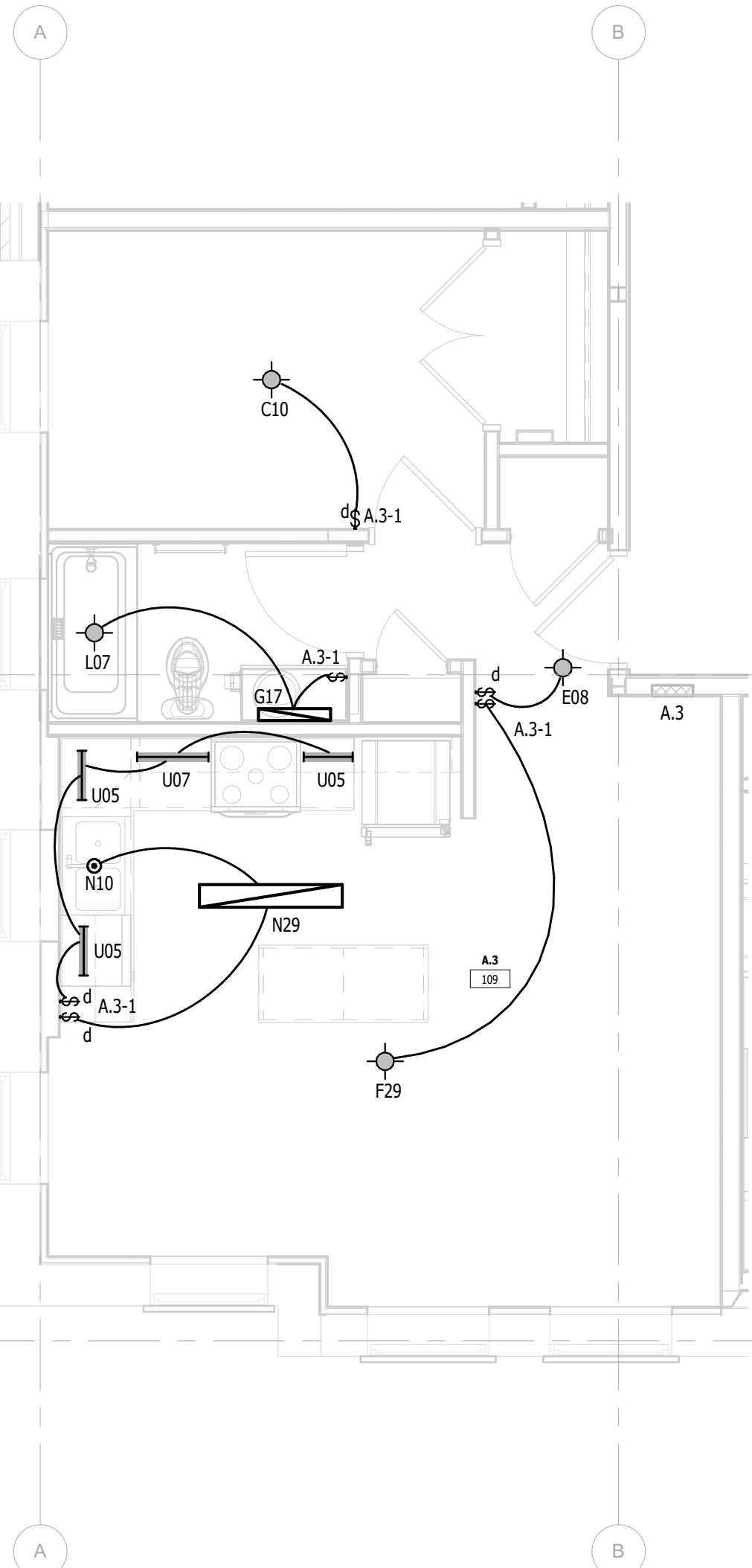
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TRC22.064

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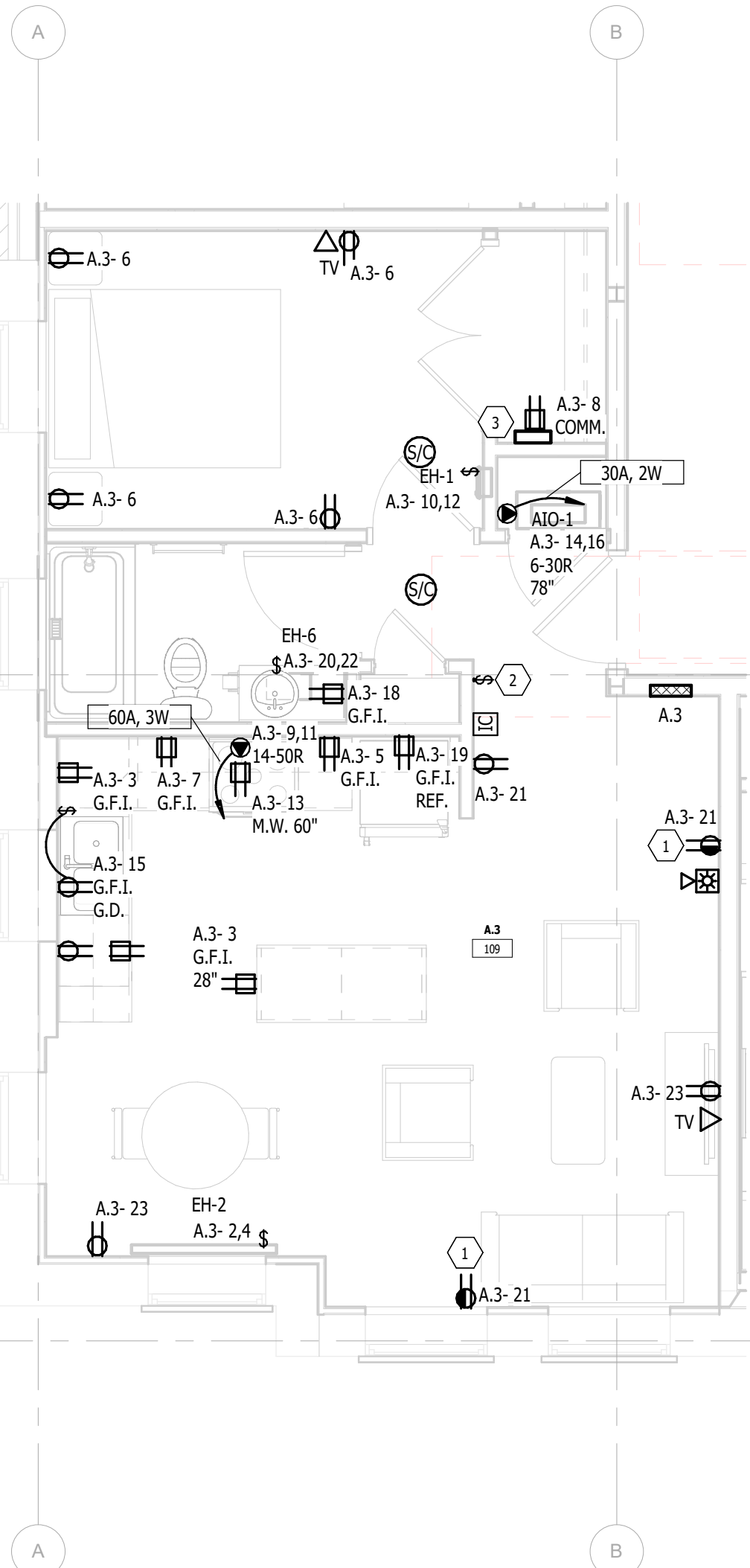
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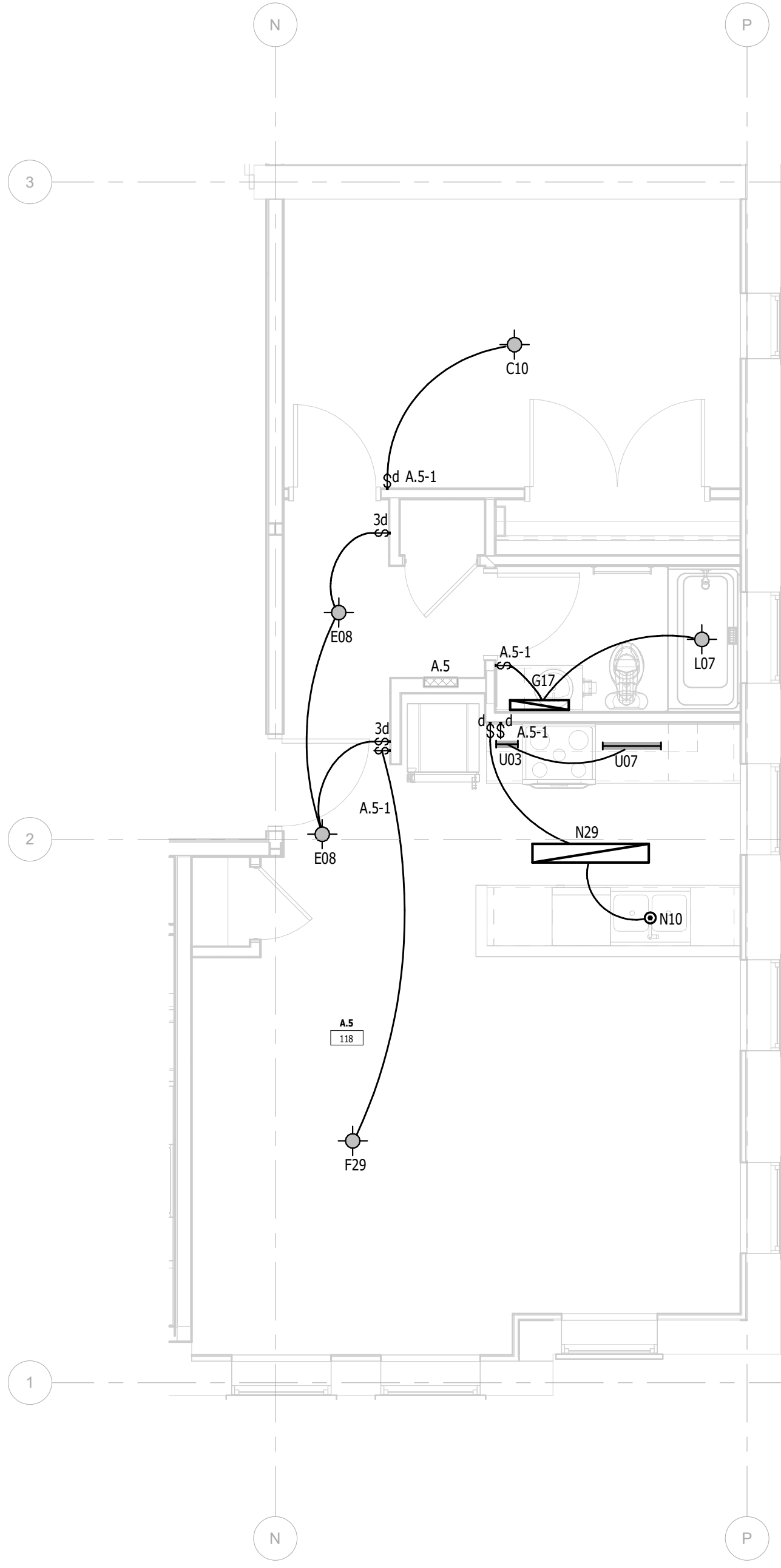
E.L.413



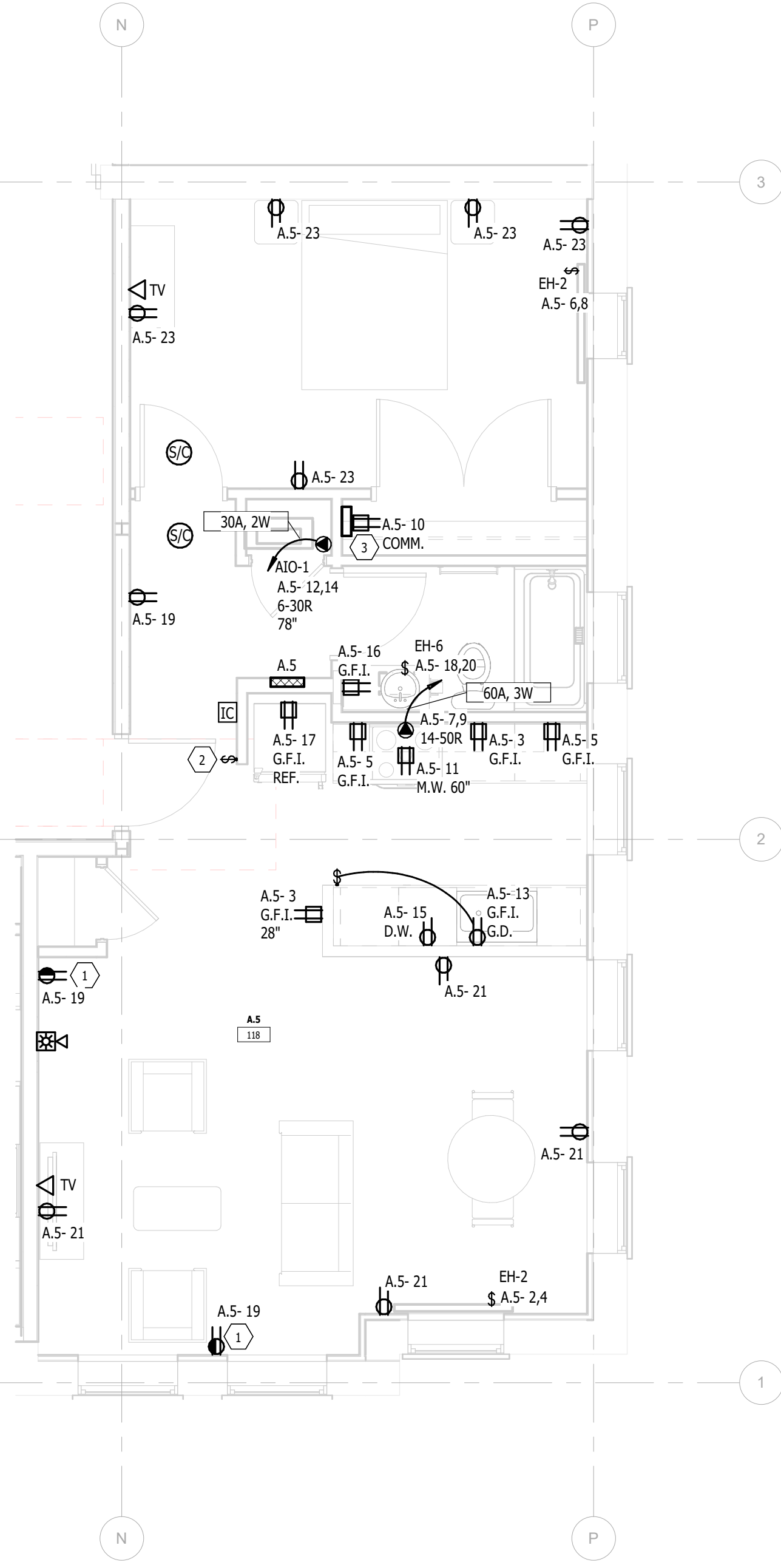
4 UNIT A.3 (BASEMENT - 4TH FLOOR) - LIGHTING  
1/4" = 1'-0"



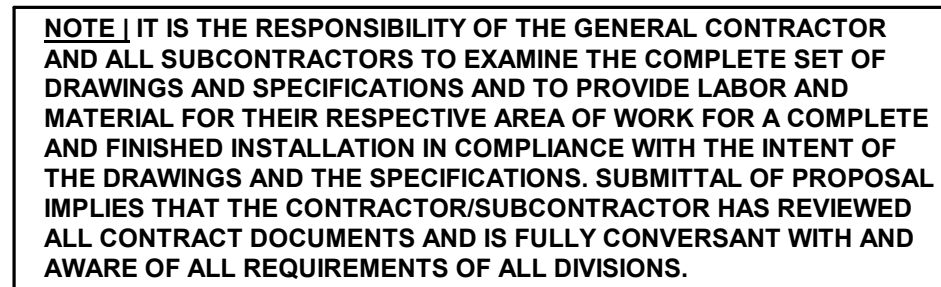
3 UNIT A.3 (BASEMENT - 4TH FLOOR) - POWER  
1/4" = 1'-0"



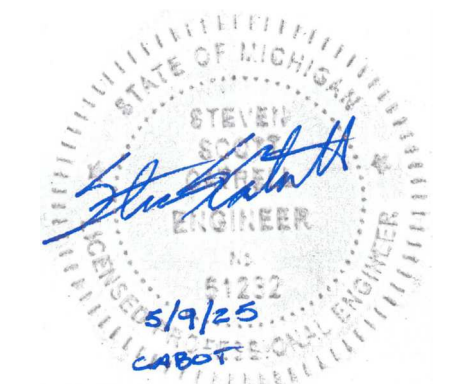
2 UNIT A.5 (BASEMENT FLOOR) - LIGHTING  
1/4" = 1'-0"



- 1 HALF SWITCHED TOP RECEPTACLE. SWITCHED INDEPENDENT OF LIGHTING, PROVIDE CONTROLLED RECEPTACLE MARKING.
- 2 SWITCH WIRED TO CONTROL TOP HALF DUPLEX RECEPTACLE OUTLET.
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## KEY PLAN

FSP PROJECT NO.  
TRC22.066

**DRAWING TITLE**

ENLARGED UNIT PLANS

DRAWING NUMBER

E.L.414



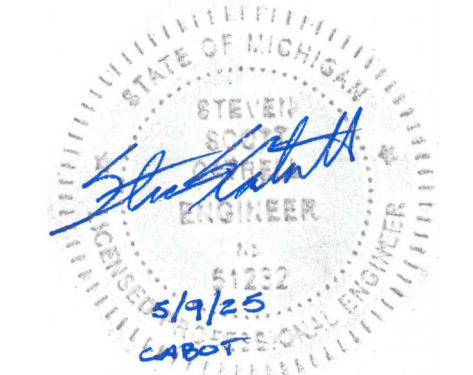
1 UNIT A.4, B.3, A.8, A.6, (BASEMENT FLOOR - 4TH FLOOR) - POWER  
 E.L.414  $1/4" = 1'-0"$

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NOTE | IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS TO EXAMINE THE COMPLETE SET OF DRAWINGS AND SPECIFICATIONS AND TO PROVIDE LABOR AND MATERIAL FOR THEIR RESPECTIVE AREA OF WORK FOR A COMPLETE AND FINISHED INSTALLATION IN COMPLIANCE WITH THE INTENT OF THE DRAWINGS AND THE SPECIFICATIONS. SUBMITTAL OF PROPOSAL IMPLIES THAT THE CONTRACTOR/SUBCONTRACTOR HAS REVIEWED ALL CONTRACT DOCUMENTS AND IS FULLY CONVERSANT WITH AND AWARE OF ALL REQUIREMENTS OF ALL DIVISIONS.

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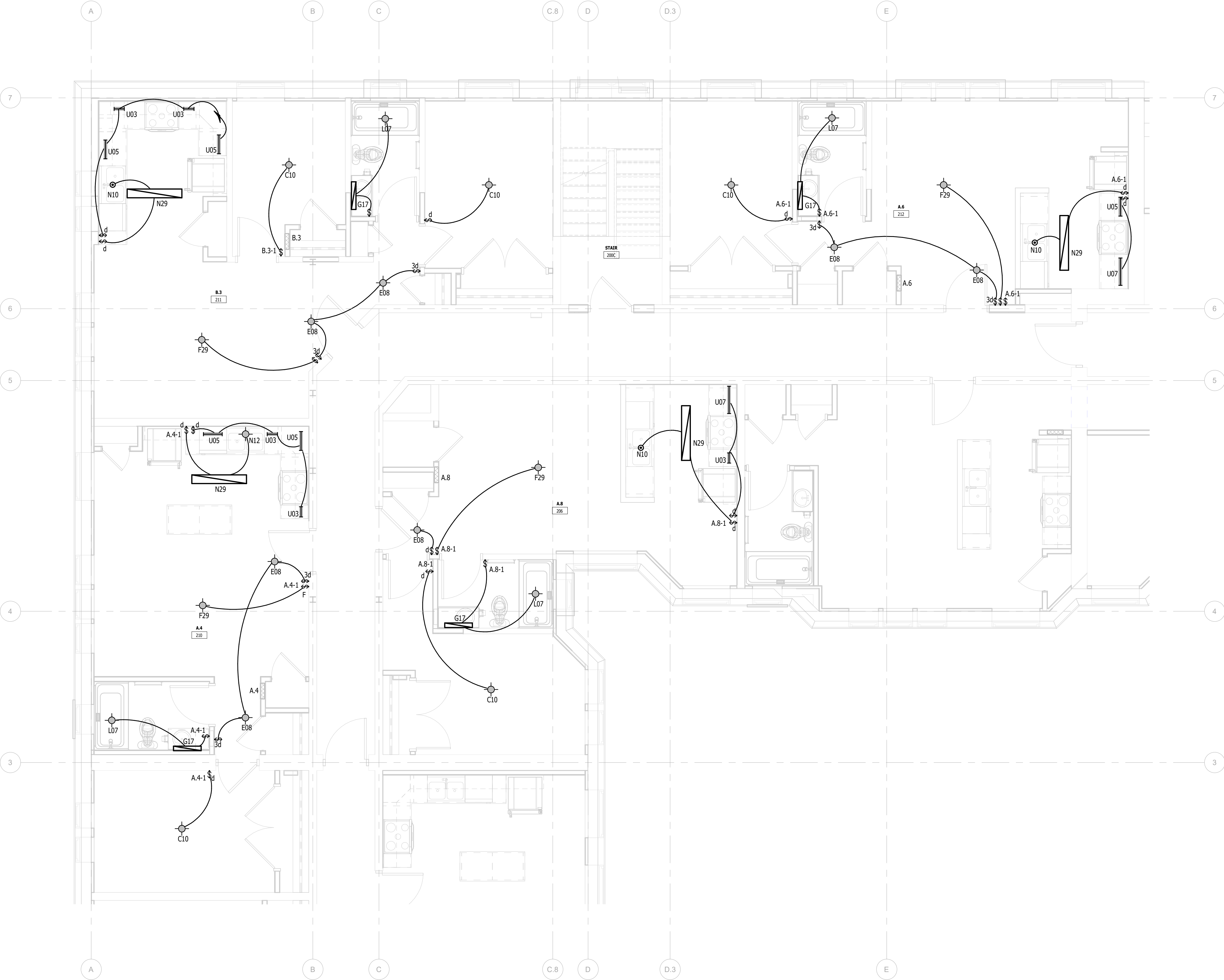
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TRC22.064

DRAWING TITLE

ENLARGED UNIT PLANS

DRAWING NUMBER

E.L.415

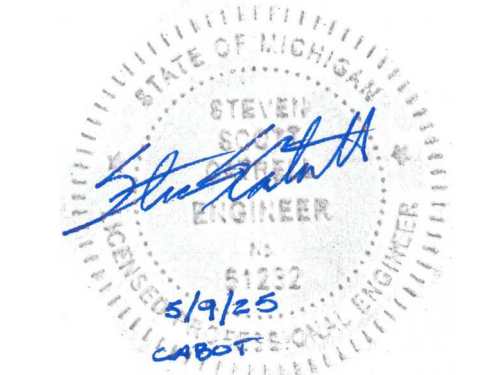
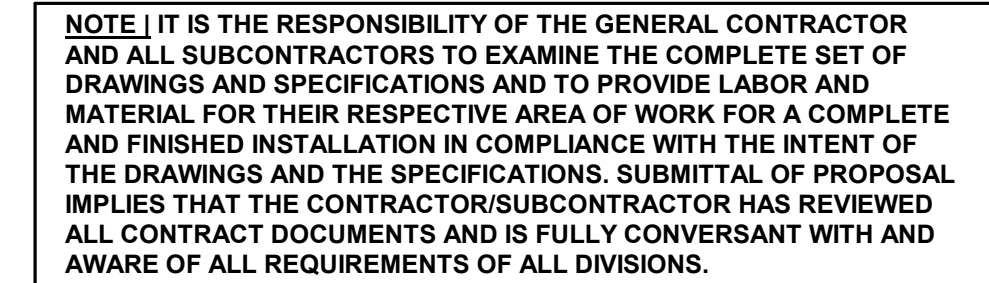


| PANELBOARD: A.8                                                                                                                                               |           |   |             |                |           |                              |                                                                                                                |     |   |      |                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---|-------------|----------------|-----------|------------------------------|----------------------------------------------------------------------------------------------------------------|-----|---|------|--------------------|
| LOCATION: A.8 206                                                                                                                                             |           |   |             |                |           | VOLTAGE: 120/208 V. 1 ø 3 W. |                                                                                                                |     |   |      |                    |
| MOUNTING: SURFACE NEMA 1                                                                                                                                      |           |   |             |                |           | A.I.C. RATING: 10kAIC        |                                                                                                                |     |   |      |                    |
| MAIN DEVICE: 125 A MLO                                                                                                                                        |           |   |             |                |           | SPECIAL:                     |                                                                                                                |     |   |      |                    |
| BUS AMPS: 125 A                                                                                                                                               |           |   |             |                |           |                              |                                                                                                                |     |   |      |                    |
| LOAD DESCRIPTION                                                                                                                                              | BKR       | P | CKT         | PHASE A<br>kVA |           | PHASE B<br>kVA               |                                                                                                                | CKT | P | BKR  | LOAD DESCRIPTION   |
| Lighting                                                                                                                                                      | 20 A      | 1 | 1           | 0.1            | 0.5       |                              |                                                                                                                | 2   | 1 | 20 A | Receptacle LIVING  |
| Receptacle KITCHEN                                                                                                                                            | 20 A      | 1 | 3           |                |           | 0.2                          | 0.9                                                                                                            | 4   | 1 | 20 A | Receptacle BEDROOM |
| Receptacle KITCHEN                                                                                                                                            | 20 A      | 1 | 5           | 0.4            | 0.2       |                              |                                                                                                                | 6   | 1 | 20 A | Receptacle CLOSET  |
| RANGE KITCHEN                                                                                                                                                 | 50 A      | 2 | 7           |                |           | 4.0                          | 0.2                                                                                                            | 8   | 1 | 20 A | Receptacle TOILET  |
|                                                                                                                                                               |           |   | 9           | 4.0            | 0.3       |                              |                                                                                                                |     |   |      |                    |
| * MICROWAVE KITCHEN                                                                                                                                           | 20 A      | 1 | 11          |                |           | 1.5                          | 0.3                                                                                                            | 12  | 2 | 20 A | EH-6 TOILET        |
| DISPOSER KITCHEN                                                                                                                                              | 20 A      | 1 | 13          | 0.8            | 0.0       |                              |                                                                                                                | 14  | 1 | 20 A | SPARE              |
| * DISHWASHER KITCHEN                                                                                                                                          | 20 A      | 1 | 15          |                |           | 1.2                          | 0.0                                                                                                            | 16  | 1 | 20 A | SPARE              |
| REFRIGERATOR KITCHEN                                                                                                                                          | 20 A      | 1 | 17          | 0.6            | 0.0       |                              |                                                                                                                | 18  | 1 | 20 A | SPARE              |
| AIO-1 KITCHEN                                                                                                                                                 | 30 A      | 2 | 19          |                |           | 1.7                          | 0.0                                                                                                            | 20  | 1 | 20 A | SPARE              |
|                                                                                                                                                               |           |   | 21          | 1.7            | 0.0       |                              |                                                                                                                | 22  | 1 | 20 A | SPARE              |
| Receptacle LIVING                                                                                                                                             | 20 A      | 1 | 23          |                |           | 0.4                          | 0.0                                                                                                            | 24  | 1 | 20 A | SPARE              |
|                                                                                                                                                               |           |   | TOTAL LOAD: |                | 9 kVA     | 10 kVA                       |                                                                                                                |     |   |      |                    |
|                                                                                                                                                               |           |   | TOTAL AMPS: |                | 82 A      | 97 A                         |                                                                                                                |     |   |      |                    |
| LOAD CLASSIFICATION                                                                                                                                           | CONNECTED |   | DEMAND      |                | ESTIMATED |                              | PANEL TOTALS                                                                                                   |     |   |      |                    |
| Lighting                                                                                                                                                      | 140 VA    |   | 125.00%     |                | 174 VA    |                              | CONNECTED LOAD: 18850 VA<br>ESTIMATED DEMAND: 15484 VA<br>CONNECTED CURRENT: 91 A<br>EST. DEMAND CURRENT: 74 A |     |   |      |                    |
| Receptacle                                                                                                                                                    | 16800 VA  |   | 79.76%      |                | 13400 VA  |                              |                                                                                                                |     |   |      |                    |
| Equipment                                                                                                                                                     | 510 VA    |   | 100.00%     |                | 510 VA    |                              |                                                                                                                |     |   |      |                    |
| Kitchen                                                                                                                                                       | 1400 VA   |   | 100.00%     |                | 1400 VA   |                              |                                                                                                                |     |   |      |                    |
|                                                                                                                                                               |           |   |             |                |           |                              |                                                                                                                |     |   |      |                    |
| NOTES:                                                                                                                                                        |           |   |             |                |           |                              |                                                                                                                |     |   |      |                    |
| PROVIDE TYPE 1 INTEGRAL SPD; * INDICATES GFCI CIRCUIT BREAKER; PROVIDE AFCI RATED OUTLETS PER CODE; PANELS WITHIN 100'-0" OF MC1, MC2 OR MC3 SHALL BE 22KAIC. |           |   |             |                |           |                              |                                                                                                                |     |   |      |                    |

| PANELBOARD: A.6                                                                                                                                               |           |   |         |                              |           |                |                            |     |   |      |                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---|---------|------------------------------|-----------|----------------|----------------------------|-----|---|------|-------------------|
| LOCATION: A.6 212                                                                                                                                             |           |   |         | VOLTAGE: 120/208 V, 1 ø 3 W. |           |                |                            |     |   |      |                   |
| MOUNTING: RECESSED NEMA 1                                                                                                                                     |           |   |         | A.I.C. RATING: 10kAIC        |           |                |                            |     |   |      |                   |
| MAIN DEVICE: 125 A MLO                                                                                                                                        |           |   |         | SPECIAL:                     |           |                |                            |     |   |      |                   |
| BUS AMPS: 125 A                                                                                                                                               |           |   |         |                              |           |                |                            |     |   |      |                   |
| LOAD DESCRIPTION                                                                                                                                              | BKR       | P | CKT     | PHASE A<br>kVA               |           | PHASE B<br>kVA |                            | CKT | P | BKR  | LOAD DESCRIPTION  |
| Lighting                                                                                                                                                      | 20 A      | 1 | 1       | 0.2                          | 0.2       |                |                            | 2   | 1 | 20 A | Receptacle CLOSET |
| Receptacle KITCHEN                                                                                                                                            | 20 A      | 1 | 3       |                              |           | 0.2            | 1.7                        | 4   |   |      |                   |
| Receptacle KITCHEN                                                                                                                                            | 20 A      | 1 | 5       | 0.4                          | 1.7       |                |                            | 6   | 2 | 30 A | AIO-1 CLOSET      |
| RANGE KITCHEN                                                                                                                                                 | 50 A      | 2 | 7       |                              |           | 4.0            | 0.2                        | 8   | 1 | 20 A | Receptacle TOILET |
|                                                                                                                                                               |           |   | 9       | 4.0                          | 0.3       |                |                            | 10  |   |      |                   |
| * MICROWAVE KITCHEN                                                                                                                                           | 20 A      | 1 | 11      |                              |           | 1.5            | 0.3                        | 12  | 2 | 20 A | EH-6 TOILET       |
| DISPOSER KITCHEN                                                                                                                                              | 20 A      | 1 | 13      | 0.8                          | 0.0       |                |                            | 14  | 1 | 20 A | SPARE             |
| * DISHWASHER KITCHEN                                                                                                                                          | 20 A      | 1 | 15      |                              |           | 1.2            | 0.0                        | 16  | 1 | 20 A | SPARE             |
| REFRIGERATOR KITCHEN                                                                                                                                          | 20 A      | 1 | 17      | 0.6                          | 0.0       |                |                            | 18  | 1 | 20 A | SPARE             |
| Receptacle LIVING                                                                                                                                             | 20 A      | 1 | 19      |                              |           | 0.4            | 0.0                        | 20  | 1 | 20 A | SPARE             |
| Receptacle LIVING                                                                                                                                             | 20 A      | 1 | 21      | 0.4                          | 0.0       |                |                            | 22  | 1 | 20 A | SPARE             |
| Receptacle BEDROOM                                                                                                                                            | 20 A      | 1 | 23      |                              |           | 0.7            | 0.0                        | 24  | 1 | 20 A | SPARE             |
| TOTAL LOAD:                                                                                                                                                   |           |   |         | 8 kVA                        |           | 10 kVA         |                            |     |   |      |                   |
| TOTAL AMPS:                                                                                                                                                   |           |   |         | 81 A                         |           | 95 A           |                            |     |   |      |                   |
| LOAD CLASSIFICATION                                                                                                                                           | CONNECTED |   | DEMAND  |                              | ESTIMATED |                | PANEL TOTALS               |     |   |      |                   |
| Lighting                                                                                                                                                      | 158 VA    |   | 125.00% |                              | 198 VA    |                |                            |     |   |      |                   |
| Receptacle                                                                                                                                                    | 16440 VA  |   | 80.41%  |                              | 13220 VA  |                | CONNECTED LOAD: 18508 VA   |     |   |      |                   |
| Equipment                                                                                                                                                     | 510 VA    |   | 100.00% |                              | 510 VA    |                | ESTIMATED DEMAND: 15328 VA |     |   |      |                   |
| Kitchen                                                                                                                                                       | 1400 VA   |   | 100.00% |                              | 1400 VA   |                | CONNECTED CURRENT: 89 A    |     |   |      |                   |
|                                                                                                                                                               |           |   |         |                              |           |                | EST. DEMAND CURRENT: 74 A  |     |   |      |                   |
|                                                                                                                                                               |           |   |         |                              |           |                |                            |     |   |      |                   |
|                                                                                                                                                               |           |   |         |                              |           |                |                            |     |   |      |                   |
| NOTES:                                                                                                                                                        |           |   |         |                              |           |                |                            |     |   |      |                   |
| PROVIDE TYPE 1 INTEGRAL SPD; * INDICATES GFCI CIRCUIT BREAKER; PROVIDE AFCI RATED OUTLETS PER CODE; PANELS WITHIN 100'-0" OF MC1, MC2 OR MC3 SHALL BE 22KAIC. |           |   |         |                              |           |                |                            |     |   |      |                   |

1 UNIT A.4, B.3, A.8, A.6, (BASEMENT FLOOR - 4TH FLOOR) - LIGHTING  
E.L.415 1/4" = 1'-0"

- 1 HALF SWITCHED TOP RECEPTACLE. SWITCHED INDEPENDENT OF LIGHTING, PROVIDE CONTROLLED RECEPTACLE MARKING.
- 2 SWITCH WIRED TO CONTROL TOP HALF DUPLEX RECEPTACLE OUTLET.
- 3 PROVIDE STRUCTURED WIRING SURFACE MOUNT CABINET SIMILAR BENNER-NAWMAN 14104-MMH 14.25" WIDE X 10" TALL X 4" DEEP AND 120 VOLT RECEPTACLE. PROVIDE EMPTY 1 1/4" WITH PULL ROPE FROM CABINET TO BACKBOARD LOCATED IN THE MECHANICAL ROOM ON THE FIRST FLOOR. FUNCTIONS AS MEDIA EQUIPMENT STORAGE AND STRUCTURED WIRING ENCLOSURE.



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### KEY PLAN

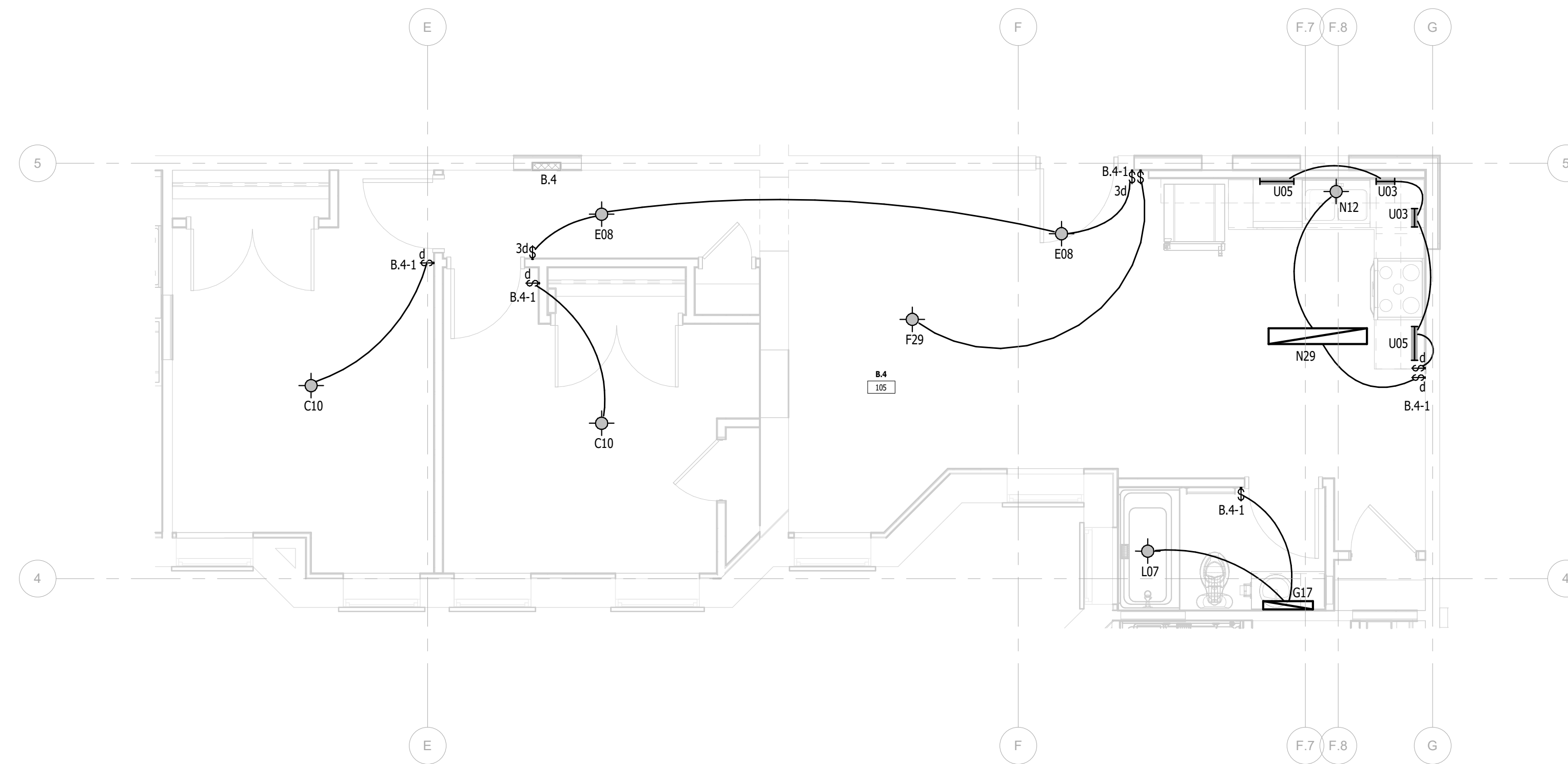
FSP PROJECT NO.  
TRC22.066

**DRAWING TITLE**

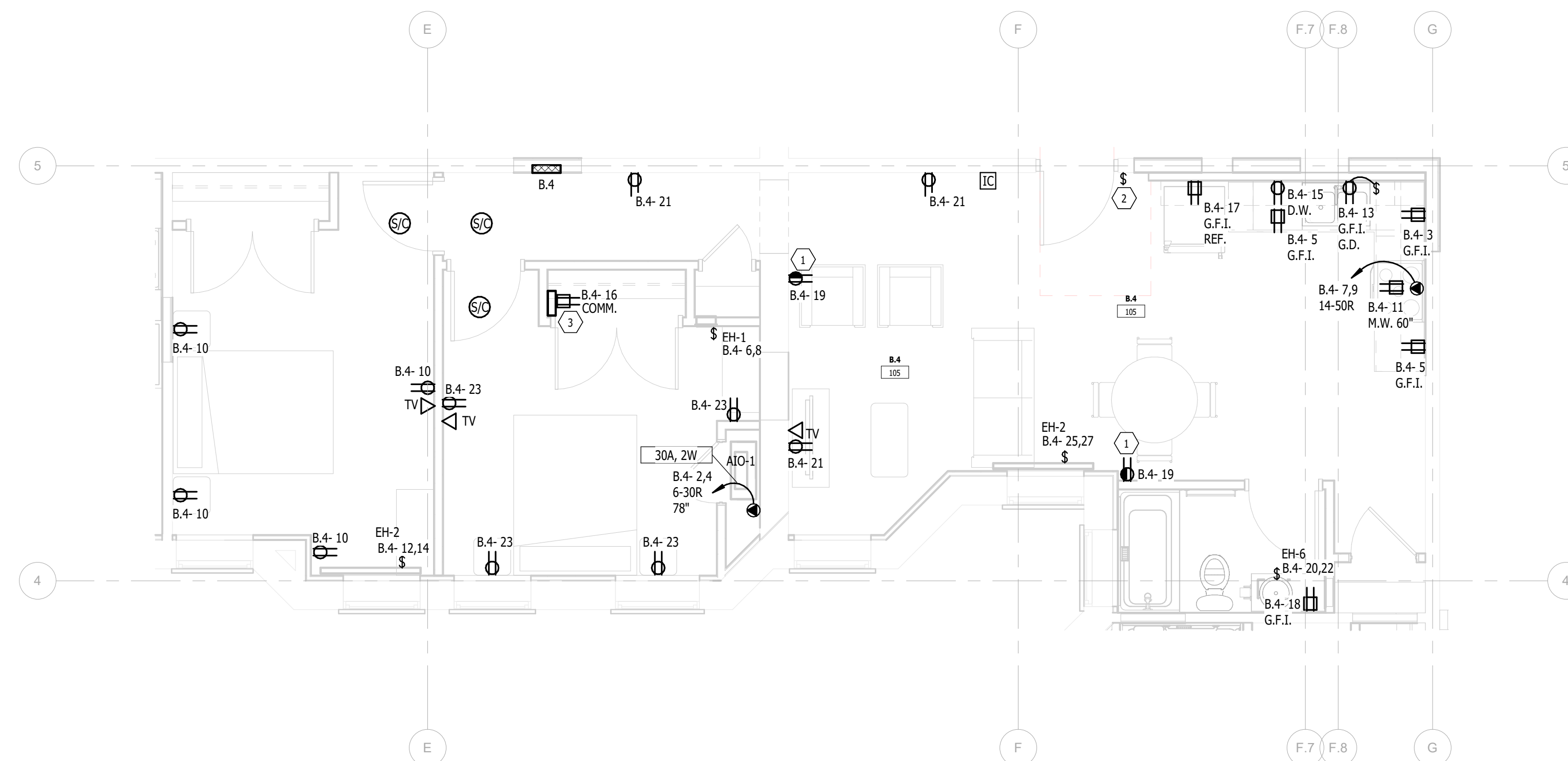
ENLARGED UNIT PLANS

DRAWING NUMBER

E.L.416



 **UNIT B.4 (FIRST FLOOR) - LIGHTING**  
1/4" = 1'-0"



 **UNIT B.4(BASEMENT FLOOR) - POWER**  
1/4" = 1'-0"

| PANELBOARD: B.4                                                                                                                                               |             |         |           |                      |                              |     |    |      |                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|-----------|----------------------|------------------------------|-----|----|------|--------------------|
| LOCATION: B.4 105                                                                                                                                             |             |         |           |                      | VOLTAGE: 120/208 V. 1 ø 3 W. |     |    |      |                    |
| MOUNTING: RECESSED NEMA 1                                                                                                                                     |             |         |           |                      | A.I.C. RATING: 10KAIC        |     |    |      |                    |
| MAIN DEVICE: 125 A MLO                                                                                                                                        |             |         |           |                      | SPECIAL:                     |     |    |      |                    |
| BUS AMPS: 125 A                                                                                                                                               |             |         |           |                      |                              |     |    |      |                    |
| LOAD DESCRIPTION                                                                                                                                              | BKR         | P       | CKT       | A                    | B                            | CKT | P  | BKR  | LOAD DESCRIPTION   |
| Lighting                                                                                                                                                      | 20 A        | 1       | 1         | 0.2                  | 1.7                          | 2   |    |      |                    |
| Receptacle KITCHEN                                                                                                                                            | 20 A        | 1       | 3         |                      | 0.2                          | 1.7 | 4  | 2    | 30 A               |
| Receptacle KITCHEN                                                                                                                                            | 20 A        | 1       | 5         | 0.4                  | 0.6                          | 6   |    |      |                    |
| RANGE KITCHEN                                                                                                                                                 | 50 A        | 2       | 7         |                      | 4.0                          | 0.6 | 8  | 2    | 20 A               |
|                                                                                                                                                               |             |         | 9         | 4.0                  | 0.7                          | 10  | 1  | 20 A | Receptacle BEDROOM |
| * MICROWAVE KITCHEN                                                                                                                                           | 20 A        | 1       | 11        |                      | 1.5                          | 0.5 | 12 | 2    | 20 A               |
| DISPOSER KITCHEN                                                                                                                                              | 20 A        | 1       | 13        | 0.8                  | 0.5                          | 14  |    |      | EH-2 BEDROOM       |
| * DISHWASHER KITCHEN                                                                                                                                          | 20 A        | 1       | 15        |                      | 1.4                          | 0.2 | 16 | 1    | 20 A               |
| REFRIGERATOR KITCHEN                                                                                                                                          | 20 A        | 1       | 17        | 0.6                  | 0.2                          | 18  | 1  | 20 A | Receptacle CLOSET  |
| Receptacle LIVING                                                                                                                                             | 20 A        | 1       | 19        |                      | 0.4                          | 0.3 | 20 |      | 20 A               |
| Receptacle LIVING                                                                                                                                             | 20 A        | 1       | 21        | 0.5                  | 0.3                          | 22  | 2  | 20 A | Receptacle TOILET  |
| Receptacle BEDROOM                                                                                                                                            | 20 A        | 1       | 23        |                      | 0.7                          | 0.0 | 24 | 1    | 20 A               |
|                                                                                                                                                               |             |         | 25        | 0.5                  | 0.0                          | 26  | 1  | 20 A | EH-6 TOILET        |
| EH-2 LIVING                                                                                                                                                   | 20 A        | 2       | 27        |                      | 0.5                          | 0.0 | 28 | 1    | 20 A               |
|                                                                                                                                                               |             |         | 29        | 0.0                  |                              | 30  | 1  | 20 A | SPARE              |
|                                                                                                                                                               | TOTAL LOAD: |         | 11 kVA    |                      | 12 kVA                       |     |    |      |                    |
|                                                                                                                                                               | TOTAL AMPS: |         | 105 A     |                      | 113 A                        |     |    |      |                    |
| LOAD CLASSIFICATION                                                                                                                                           | CONNECTED   | DEMAND  | ESTIMATED | PANEL TOTALS         |                              |     |    |      |                    |
| Lighting                                                                                                                                                      | 198 VA      | 125.00% | 247 VA    |                      |                              |     |    |      |                    |
| Receptacle                                                                                                                                                    | 16140 VA    | 80.98%  | 13070 VA  | CONNECTED LOAD:      |                              |     |    |      | 22807 VA           |
| Equipment                                                                                                                                                     | 3629 VA     | 100.00% | 3629 VA   | ESTIMATED DEMAND:    |                              |     |    |      | 19726 VA           |
| Kitchen                                                                                                                                                       | 2840 VA     | 97.89%  | 2780 VA   | CONNECTED CURRENT:   |                              |     |    |      | 110 A              |
|                                                                                                                                                               |             |         |           | EST. DEMAND CURRENT: |                              |     |    |      | 95 A               |
|                                                                                                                                                               |             |         |           |                      |                              |     |    |      |                    |
| <b>NOTES:</b>                                                                                                                                                 |             |         |           |                      |                              |     |    |      |                    |
| PROVIDE TYPE 1 INTEGRAL SPD; * INDICATES GFCI CIRCUIT BREAKER; PROVIDE AFCI RATED OUTLETS PER CODE; PANELS WITHIN 100'-0" OF MC1, MC2 OR MC3 SHALL BE 22KAIC. |             |         |           |                      |                              |     |    |      |                    |

# KEY NOTES:

- 1 HALF SWITCHED TOP RECEPTACLE. SWITCHED INDEPENDENT OF LIGHTING, PROVIDE CONTROLLED RECEPTACLE MARKING.
- 2 SWITCH WIRED TO CONTROL TOP HALF DUPLEX RECEPTACLE OUTLET.
- 3 PROVIDE STRUCTURED WIRING SURFACE MOUNT CABINET SIMILAR BENNER-NAWMAN 14104-MMH 14.25" WIDE X 10" TALL X 4" DEEP AND 120 VOLT RECEPTACLE. PROVIDE EMPTY 1 1/4" WITH PULL ROPE FROM CABINET TO BACKBOARD LOCATED IN THE MECHANICAL ROOM ON THE FIRST FLOOR. FUNCTIONS AS MEDIA EQUIPMENT STORAGE AND STRUCTURED WIRING ENCLOSURE.



MEP CONSULTING ENGINEER  
491 E. WRIGHT AVE.  
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KTSENGINEERINGGROUP.COM  
KTS PROJECT NO. 25-0251

NOTE | IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS TO EXAMINE THE COMPLETE SET OF DRAWINGS AND SPECIFICATIONS AND TO PROVIDE LABOR AND MATERIAL FOR THEIR RESPECTIVE AREA OF WORK FOR A COMPLETE AND FINISHED INSTALLATION IN COMPLIANCE WITH THE INTENT OF THE DRAWINGS AND THE SPECIFICATIONS. SUBMITTAL OF PROPOSAL IMPLIES THAT THE CONTRACTOR/SUBCONTRACTOR HAS REVIEWED ALL CONTRACT DOCUMENTS AND IS FULLY CONVERSANT WITH AND AWARE OF ALL REQUIREMENTS OF ALL DIVISIONS.



FUSCO,  
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KEY PLAN

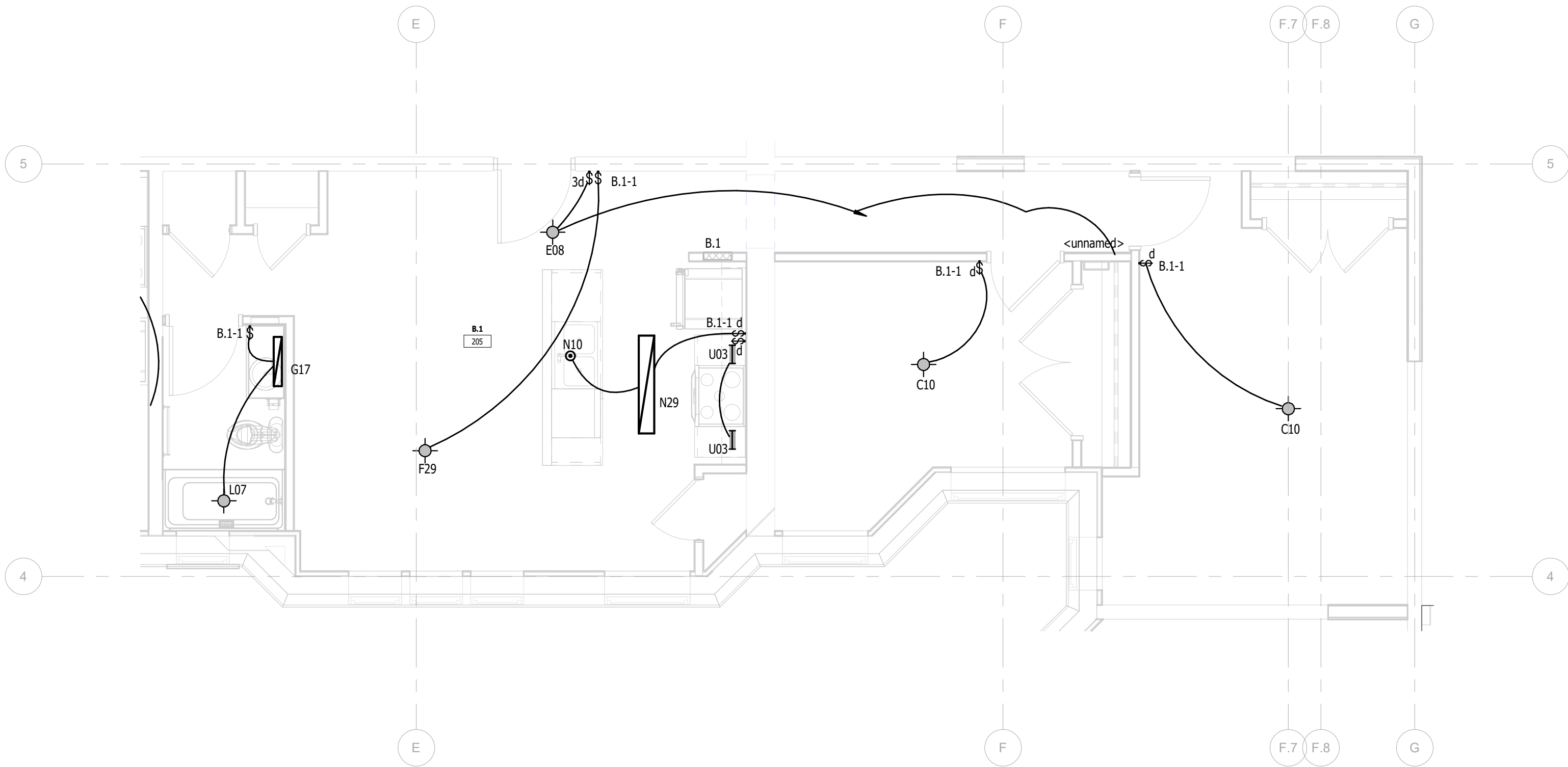
FSP PROJECT NO.  
TRC222.064

DRAWING TITLE

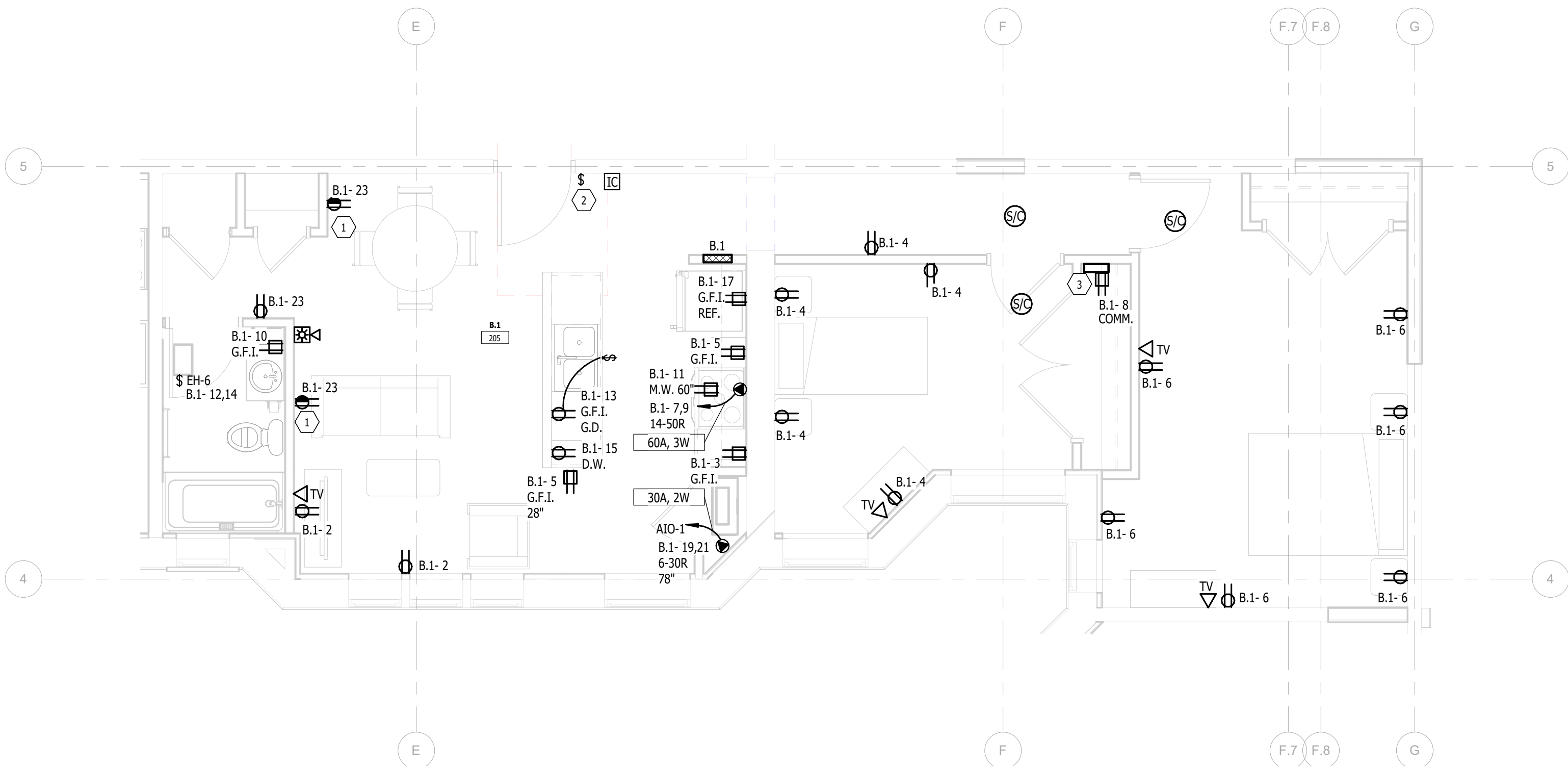
ENLARGED UNIT PLANS

DRAWING NUMBER

E.L.417



2 UNIT B.1 (FIRST - 4TH FLOOR) - LIGHTING  
1/4" = 1'-0"



1 UNIT B.1 (FIRST - 4TH FLOOR) - POWER  
1/4" = 1'-0"

# KEY NOTES:

- 1 HALF SWITCHED TOP RECEPTACLE. SWITCHED INDEPENDENT OF LIGHTING, PROVIDE CONTROLLED RECEPTACLE MARKING.
- 2 SWITCH WIRED TO CONTROL TOP HALF DUPLEX RECEPTACLE OUTLET.
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ENGINEERING

GROUP

MEP CONSULTING ENGINEER

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KTS PROJECT NO. 25-0251

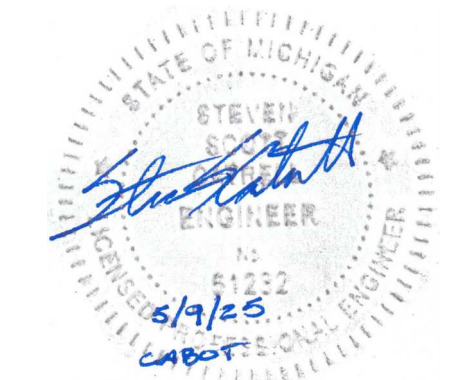
NOTE | IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS TO EXAMINE THE COMPLETE SET OF DRAWINGS AND SPECIFICATIONS AND TO PROVIDE LABOR AND MATERIAL FOR THEIR RESPECTIVE AREA OF WORK FOR A COMPLETE AND FINISHED INSTALLATION IN COMPLIANCE WITH THE INTENT OF THE DRAWINGS AND THE SPECIFICATIONS. SUBMITTAL OF PROPOSAL IMPLIES THAT THE CONTRACTOR/SUBCONTRACTOR HAS REVIEWED ALL CONTRACT DOCUMENTS AND IS FULLY CONVERSANT WITH AND AWARE OF ALL REQUIREMENTS OF ALL DIVISIONS.

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KEY PLAN

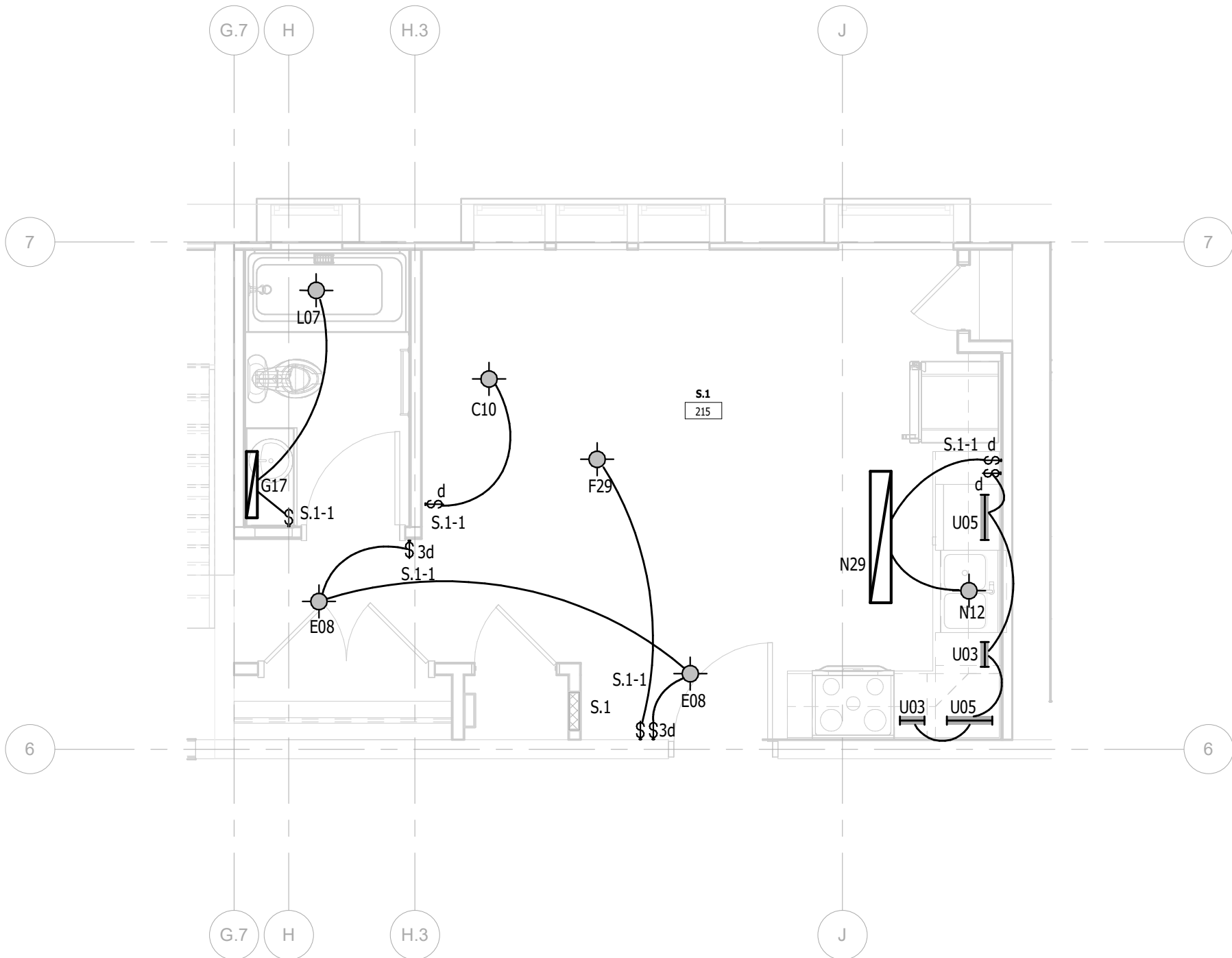
FSP PROJECT NO.  
TRC22.064

DRAWING TITLE

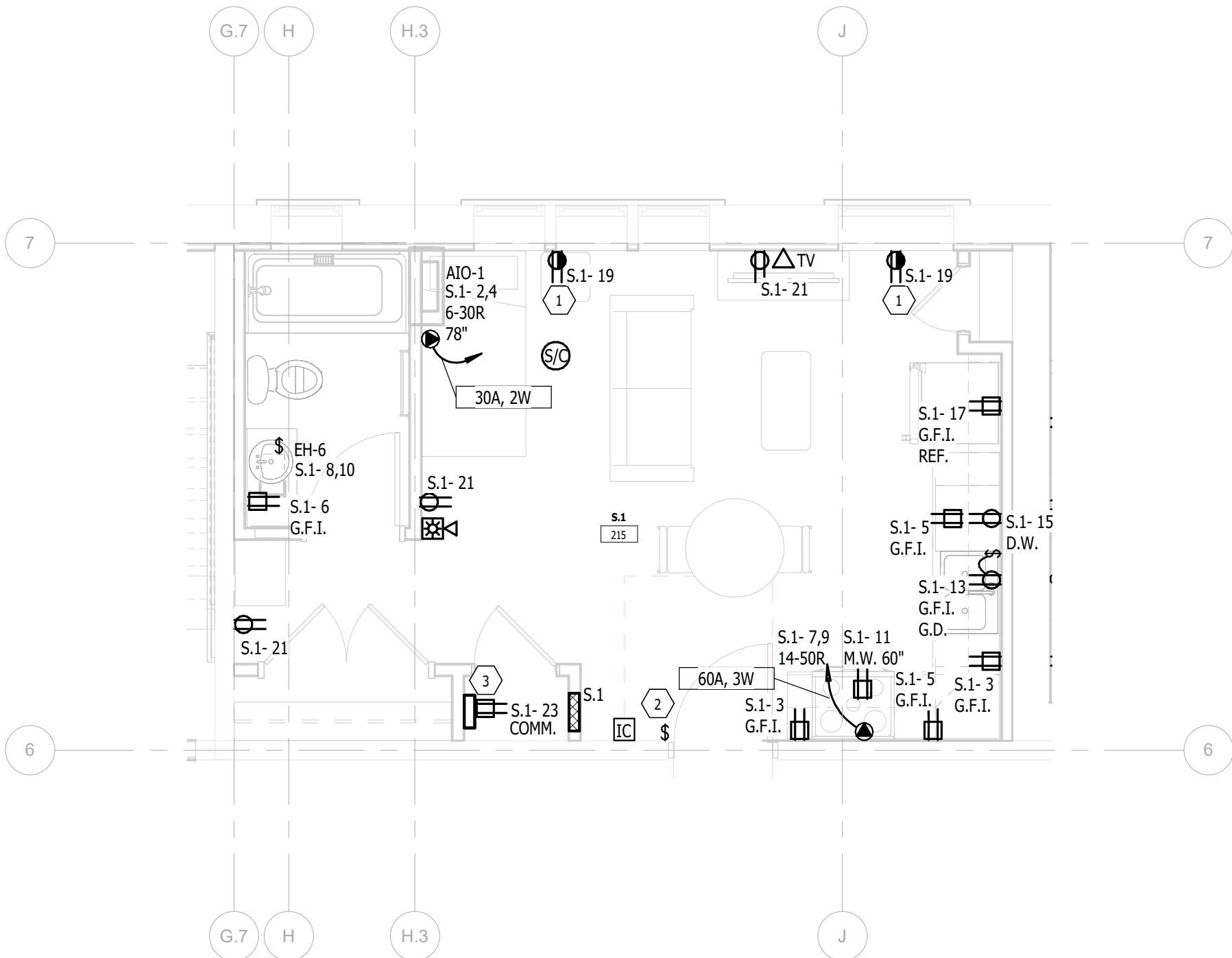
ENLARGED UNIT PLANS

DRAWING NUMBER

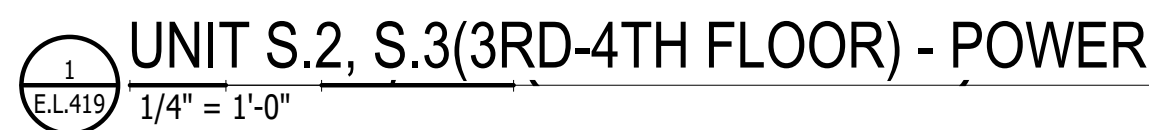
E.L.418



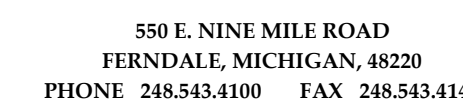
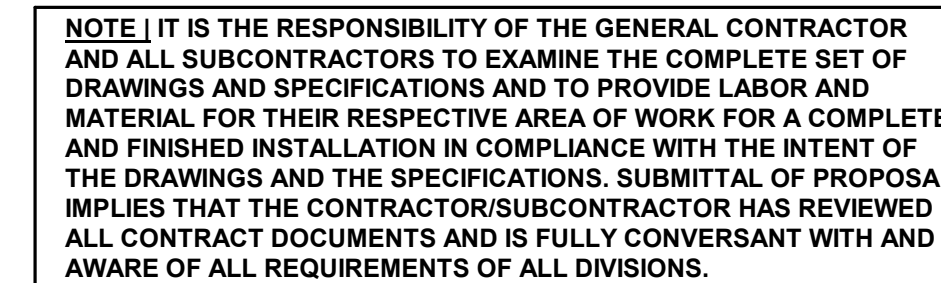
2 UNIT S.1(FIRST - 4TH FLOOR) - LIGHTING  
1/4" = 1'-0"



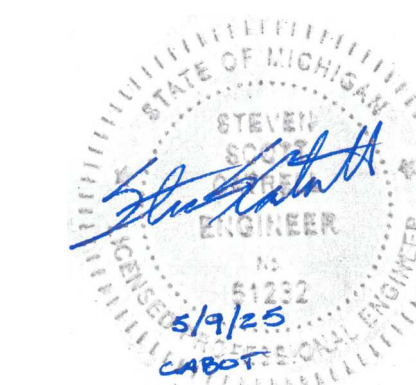
1 UNIT S.1(FIRST - 4TH FLOOR) - POWER  
1/4" = 1'-0"



- 1 HALF SWITCHED TOP RECEPTACLE. SWITCHED INDEPENDENT OF LIGHTING, PROVIDE CONTROLLED RECEPTACLE MARKING.
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SEA



MICHAEL A. N.

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**CABOT APARTMENTS**  
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TRC22.066

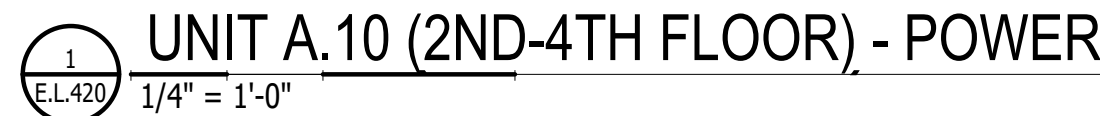
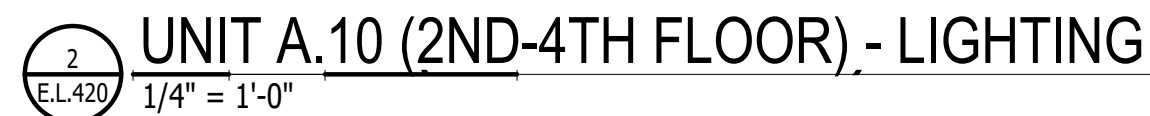
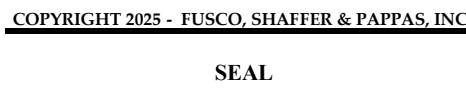
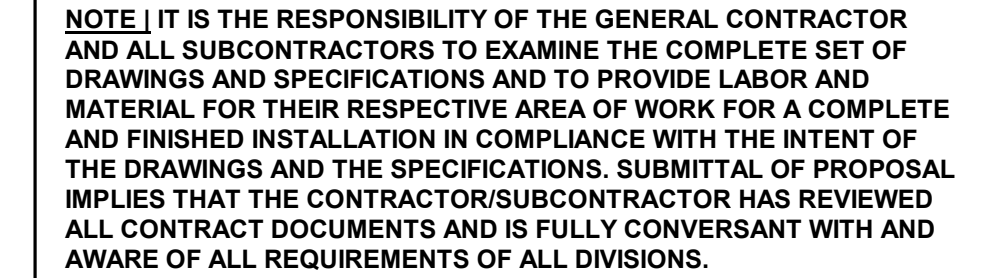
**DRAWING TITLE**

ENLARGED UNIT PLANS

DRAWING NUMBER

E.L.419

- 1 HALF SWITCH TOP RECEPTACLE. SWITCHED INDEPENDENT OF LIGHTING, PROVIDE CONTROLLED RECEPTACLE MARKING.
- 2 SWITCH WIRED TO CONTROL TOP HALF DUPLEX RECEPTACLE OUTLET.
- 3 PROVIDE STRUCTURED WIRING SURFACE MOUNT CABINET SIMILAR BENNER-NAWMAN 14104-MM14 14.25" WIDE X 10" TALL X 4" DEEP AND 120 VOLT RECEPTACLE. PROVIDE EMPTY 1 1/4" WITH PULL ROPE FROM CABINET TO BACKBOARD LOCATED IN THE MECHANICAL ROOM ON THE FIRST FLOOR. FUNCTIONS AS MEDIA EQUIPMENT STORAGE AND STRUCTURED WIRING ENCLOSURE.



**NOTES:**  
PROVIDE TYPE 1 INTEGRAL SPD; \* INDICATES GFCI CIRCUIT BREAKER; PROVIDE AFCI RATED OUTLETS PER CODE; PANELS WITHIN 100'-0" OF MC1, MC2 OR MC3 SHALL BE 22KAIC.

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### KEY PLAN

### KEY PLAN

FSP PROJECT NO.  
TRC22.066

**DRAWING TITLE**

ENLARGED UNIT PLANS

DRAWING NUMBER

# E.L.420

# KEY NOTES:

- 1 HALF SWITCHED TOP RECEPTACLE. SWITCHED INDEPENDENT OF LIGHTING, PROVIDE CONTROLLED RECEPTACLE MARKING.
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GROUP

MEP CONSULTING ENGINEER

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989-567-1100  
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KTS PROJECT NO. 25-0251

NOTE | IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS TO EXAMINE THE COMPLETE SET OF DRAWINGS AND SPECIFICATIONS AND TO PROVIDE LABOR AND MATERIAL FOR THEIR RESPECTIVE AREA OF WORK FOR A COMPLETE AND FINISHED INSTALLATION IN COMPLIANCE WITH THE INTENT OF THE DRAWINGS AND THE SPECIFICATIONS. SUBMITTAL OF PROPOSAL IMPLIES THAT THE CONTRACTOR/SUBCONTRACTOR HAS REVIEWED ALL CONTRACT DOCUMENTS AND IS FULLY CONVERSANT WITH AND AWARE OF ALL REQUIREMENTS OF ALL DIVISIONS.

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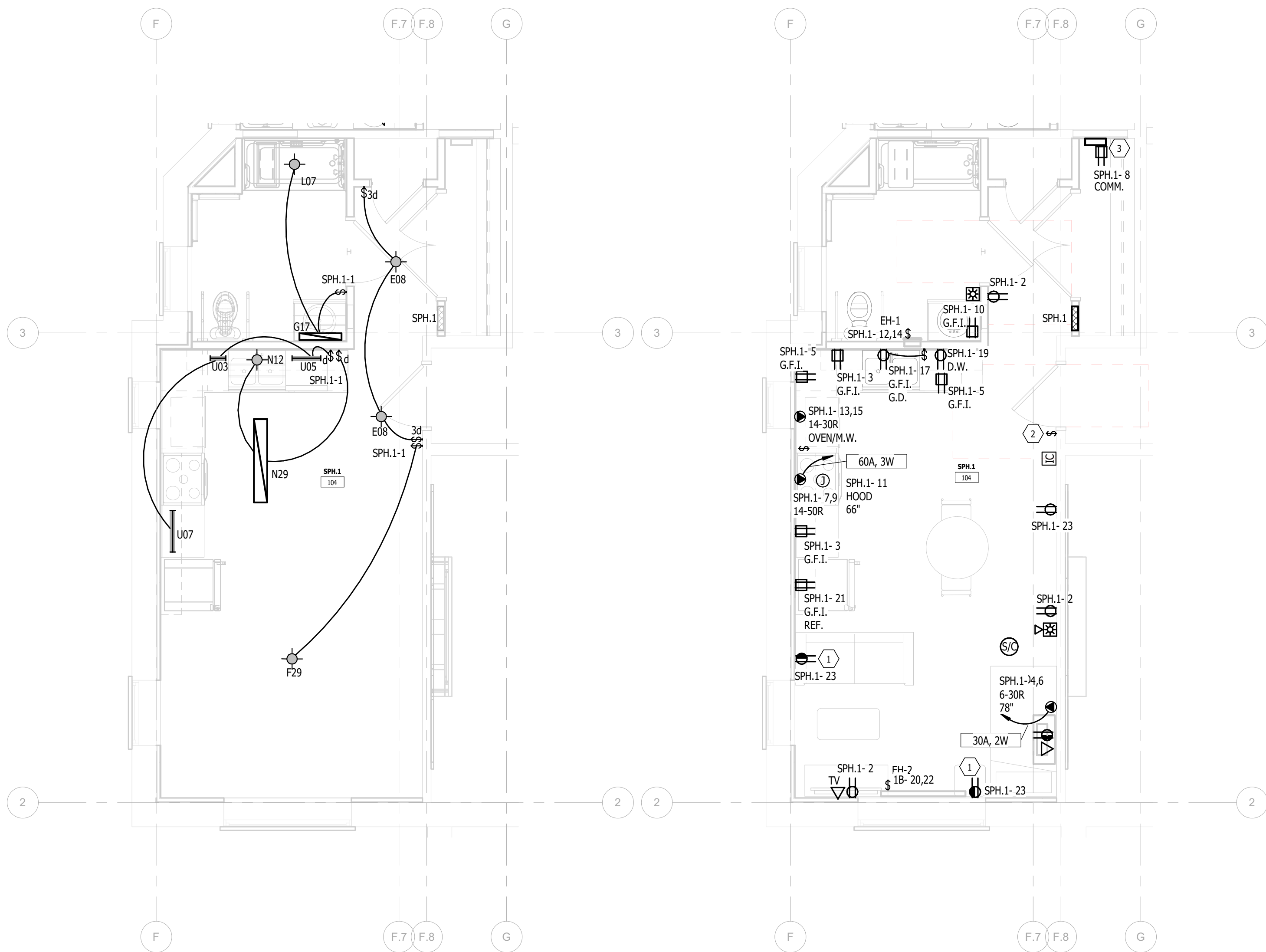
FSP PROJECT NO.  
TRC22.064

DRAWING TITLE

ENLARGED UNIT PLANS

DRAWING NUMBER

E.L.421



2 UNIT SPH.1 (BASEMENT FLOOR) - LIGHTING  
1/4" = 1'-0"

1 UNIT SPH.1 (BASEMENT FLOOR) - POWER  
1/4" = 1'-0"



|                                  |                                     |
|----------------------------------|-------------------------------------|
| <b>LOCATION:</b> A 9 222         | <b>VOLTAGE:</b> 120/208 V. 1 ø 3 W. |
| <b>MOUNTING:</b> RECESSED NEMA 1 | <b>A.I.C. RATING:</b> 10kAIC        |
| <b>MAIN DEVICE:</b> 125 A MLO    | <b>SPECIAL:</b>                     |
| <b>BUS AMPS:</b> 125 A           |                                     |

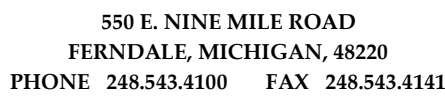
**NOTES:**  
PROVIDE TYPE 1 INTEGRAL SPD; \* INDICATES GFCI CIRCUIT BREAKER; PROVIDE AFCI RATED OUTLETS PER CODE; PANELS WITHIN 100'-0" OF MC1, MC2 OR MC3 SHALL BE 22kAIC.

|                                 |                                     |
|---------------------------------|-------------------------------------|
| <b>LOCATION:</b> BPH 217        | <b>VOLTAGE:</b> 120/208 V. 1 ø 3 W. |
| <b>MOUNTING:</b> SURFACE NEMA 1 | <b>A.I.C. RATING:</b> 10kAIC        |
| <b>MAIN DEVICE:</b> 125 A MLO   | <b>SPECIAL:</b>                     |
| <b>BUS AMPS:</b> 125 A          |                                     |

|  |  |  |  |                            |
|--|--|--|--|----------------------------|
|  |  |  |  | EST. DEMAND CURRENT: 104 A |
|  |  |  |  |                            |
|  |  |  |  |                            |

## KTS PROJECT NO. 25-0251

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### KEY PLAN

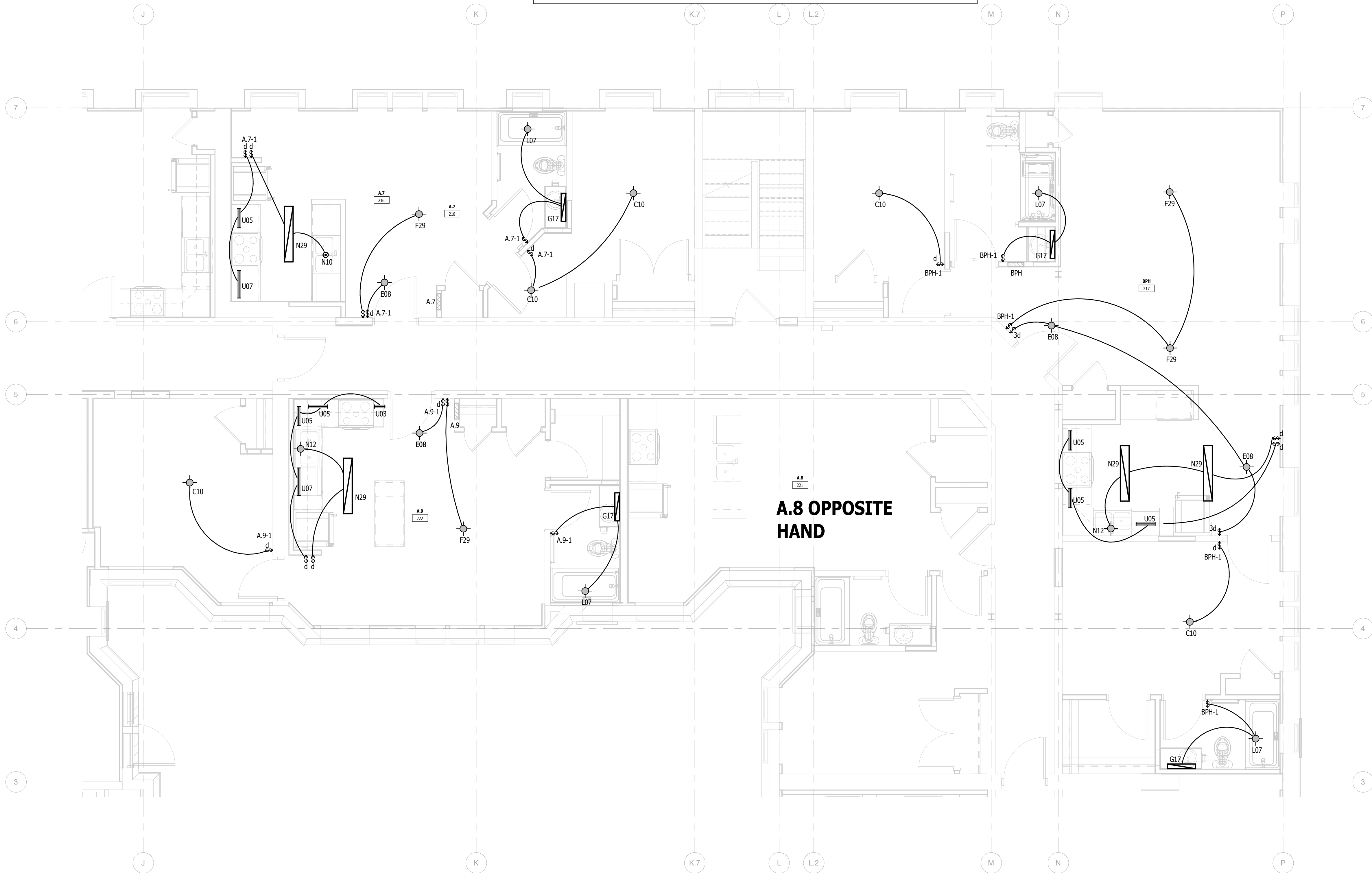
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TRC22.066

**DRAWING TITLE**

ENLARGED UNIT PLANS

**DRAWING NUMBER**

# E.L.423

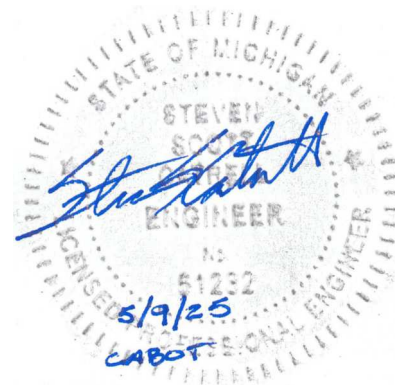


UNIT A.7, A.8, A.9, BPH (1ST - 4TH FLOOR) - LIGHTING

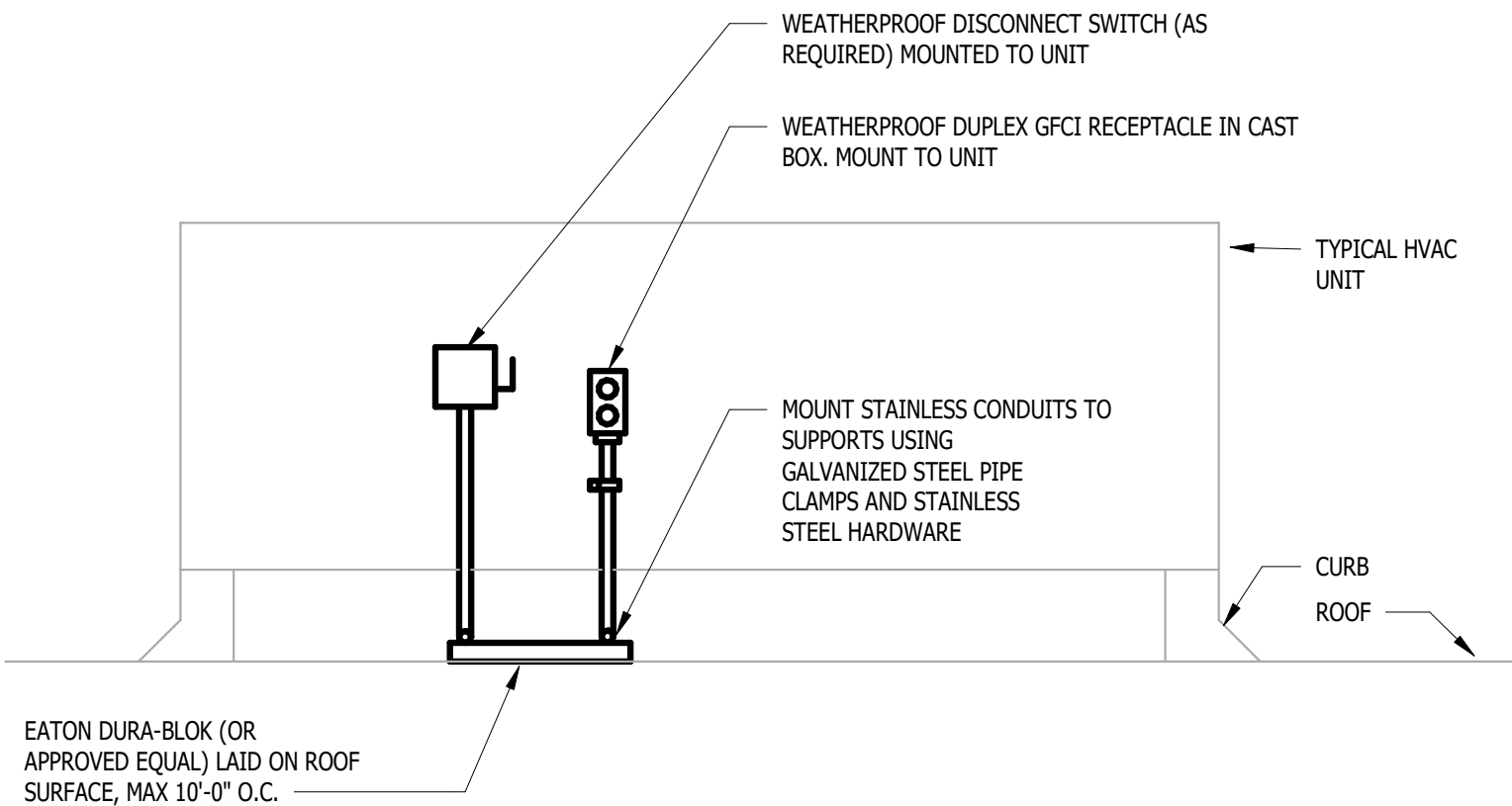
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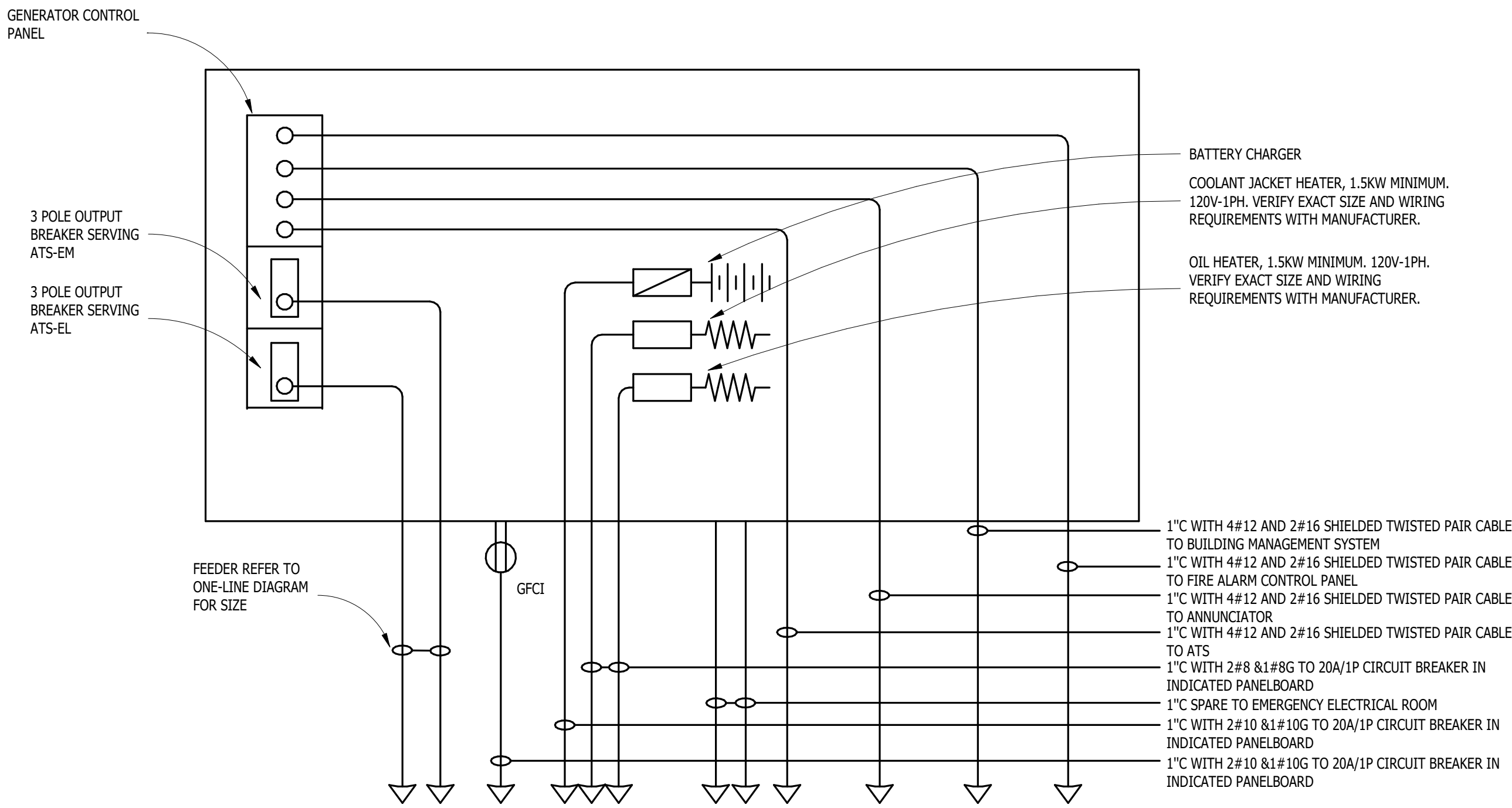
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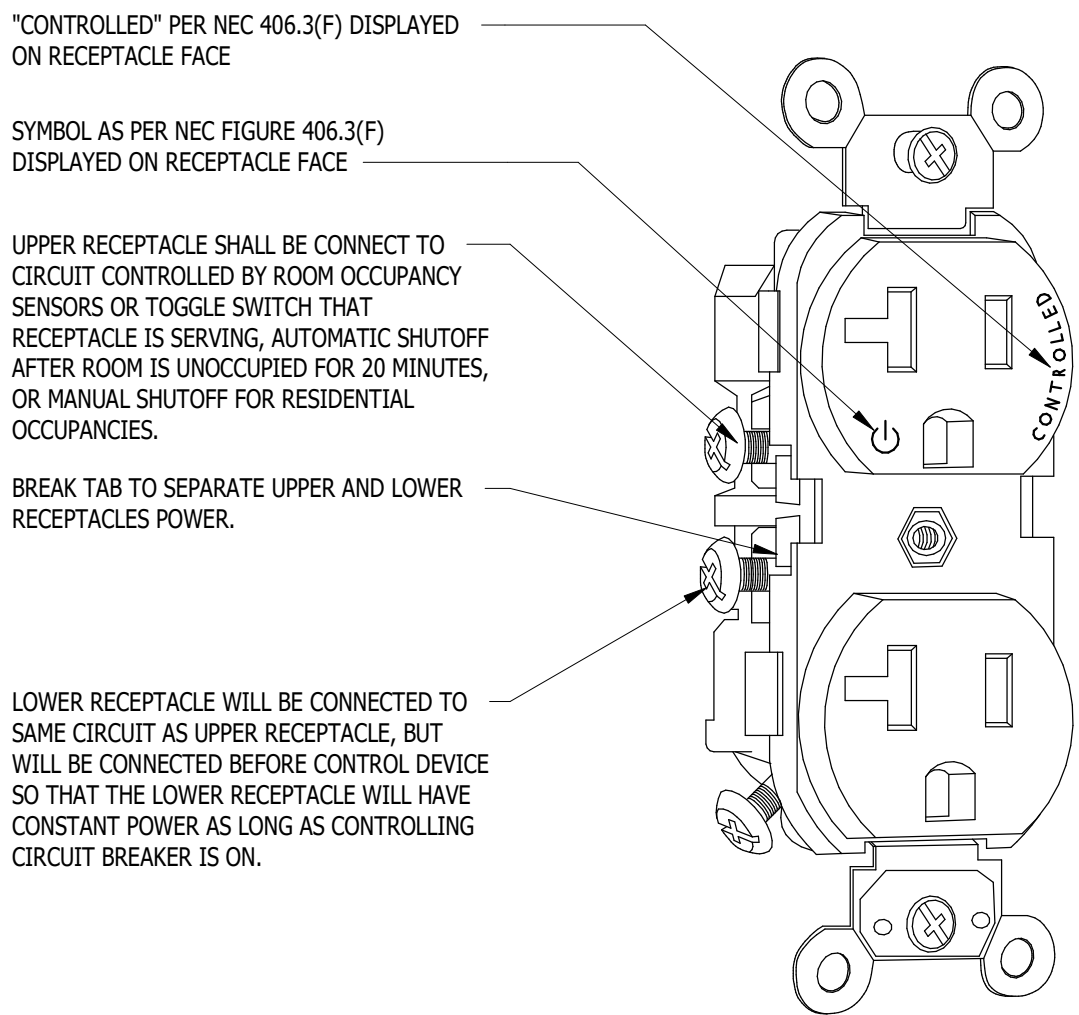
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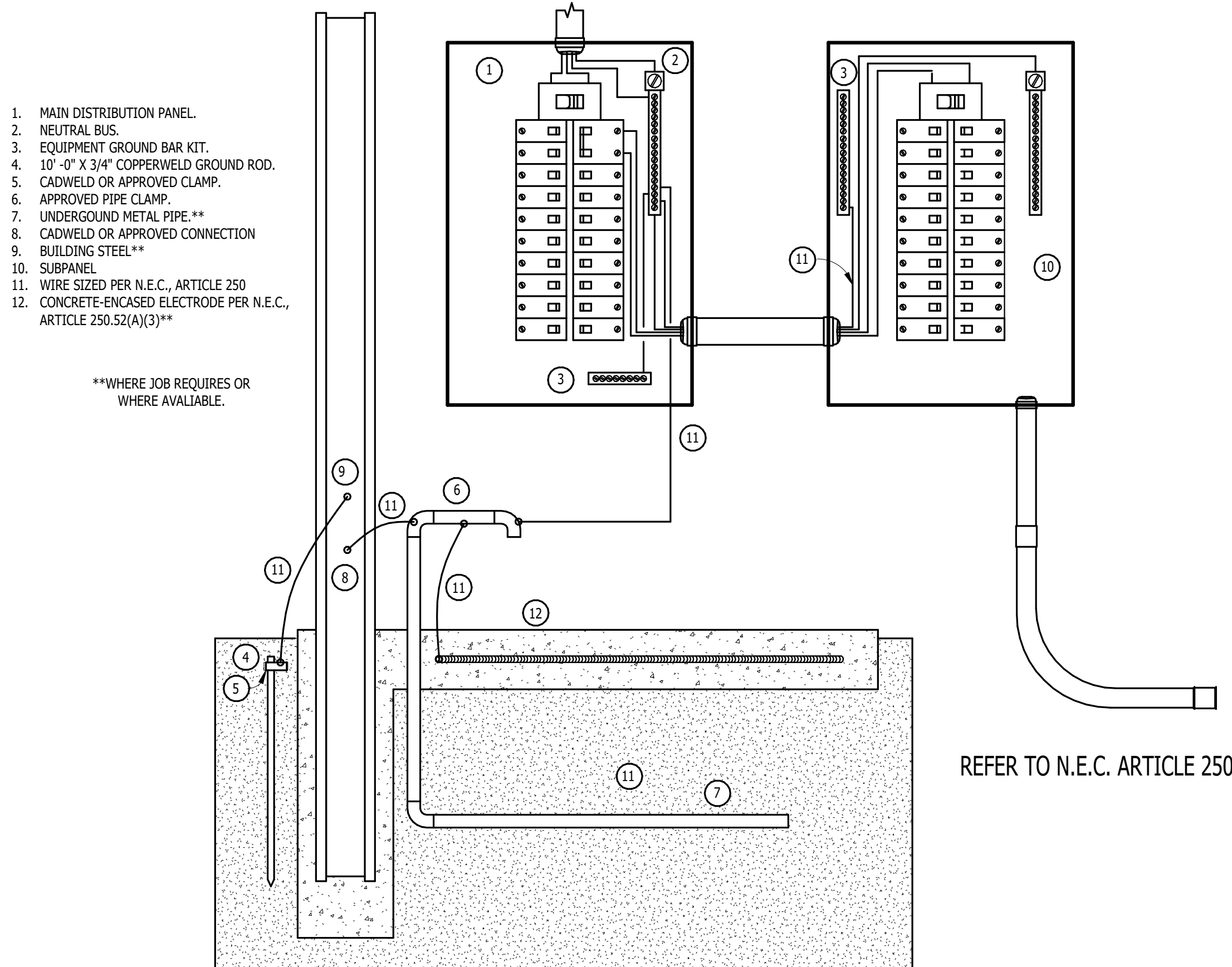
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E.501  
EQUIPMENT MOUNTED ON MECHANICAL UNITS  
NOT TO SCALE



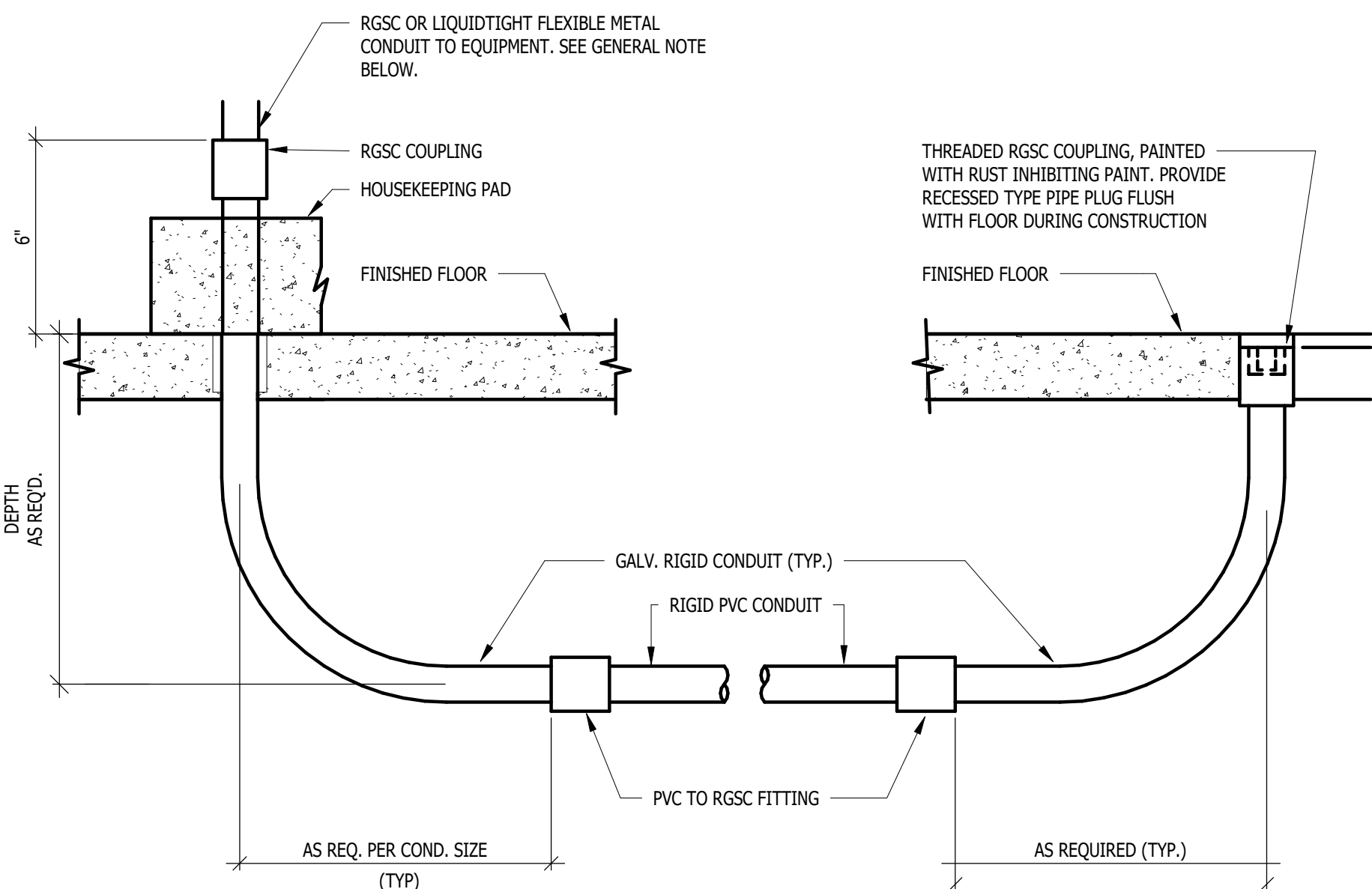
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E.501  
GENERATOR WIRING CONNECTION DETAIL  
NOT TO SCALE



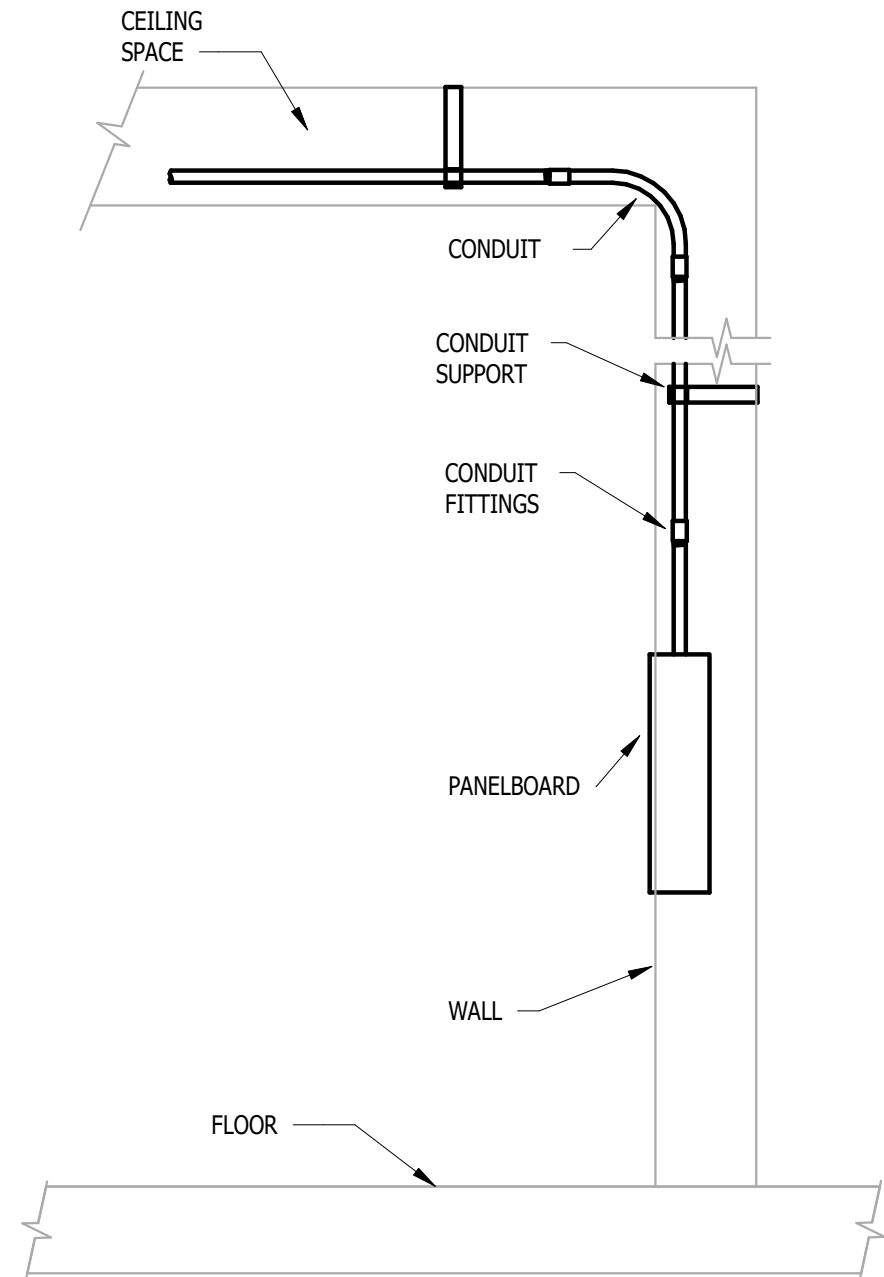
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SPLIT CIRCUIT RECEPTACLE  
NOT TO SCALE



4  
E.501  
GROUNDING DETAIL  
NOT TO SCALE



5  
E.501  
INTERIOR CONDUIT STUB-UP DETAIL  
NOT TO SCALE



6  
E.501  
PANELBOARD & CONDUIT MOUNTING DETAIL  
NOT TO SCALE

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| DATE       | ISSUE           |

KEY PLAN

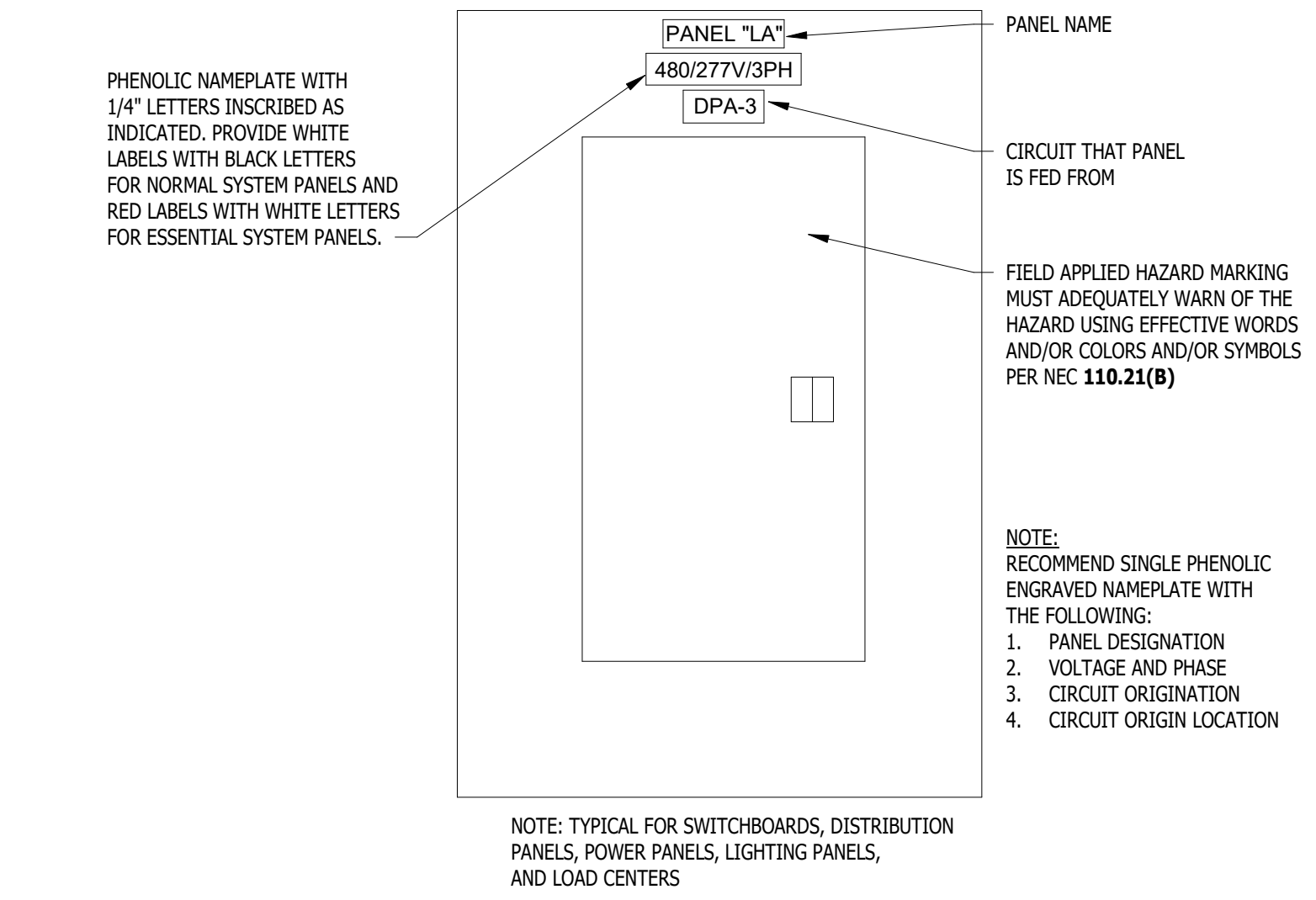
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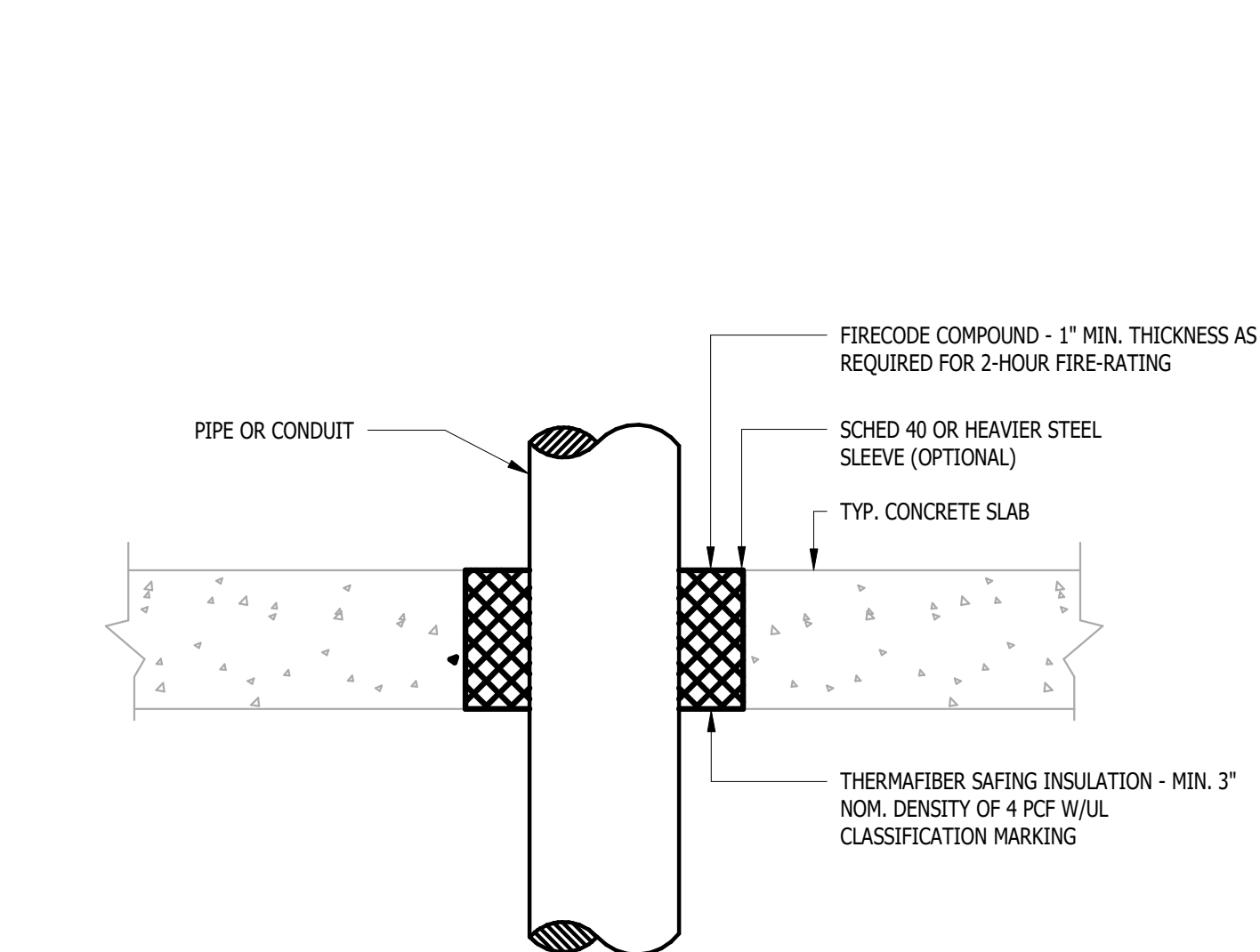
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DRAWING NUMBER

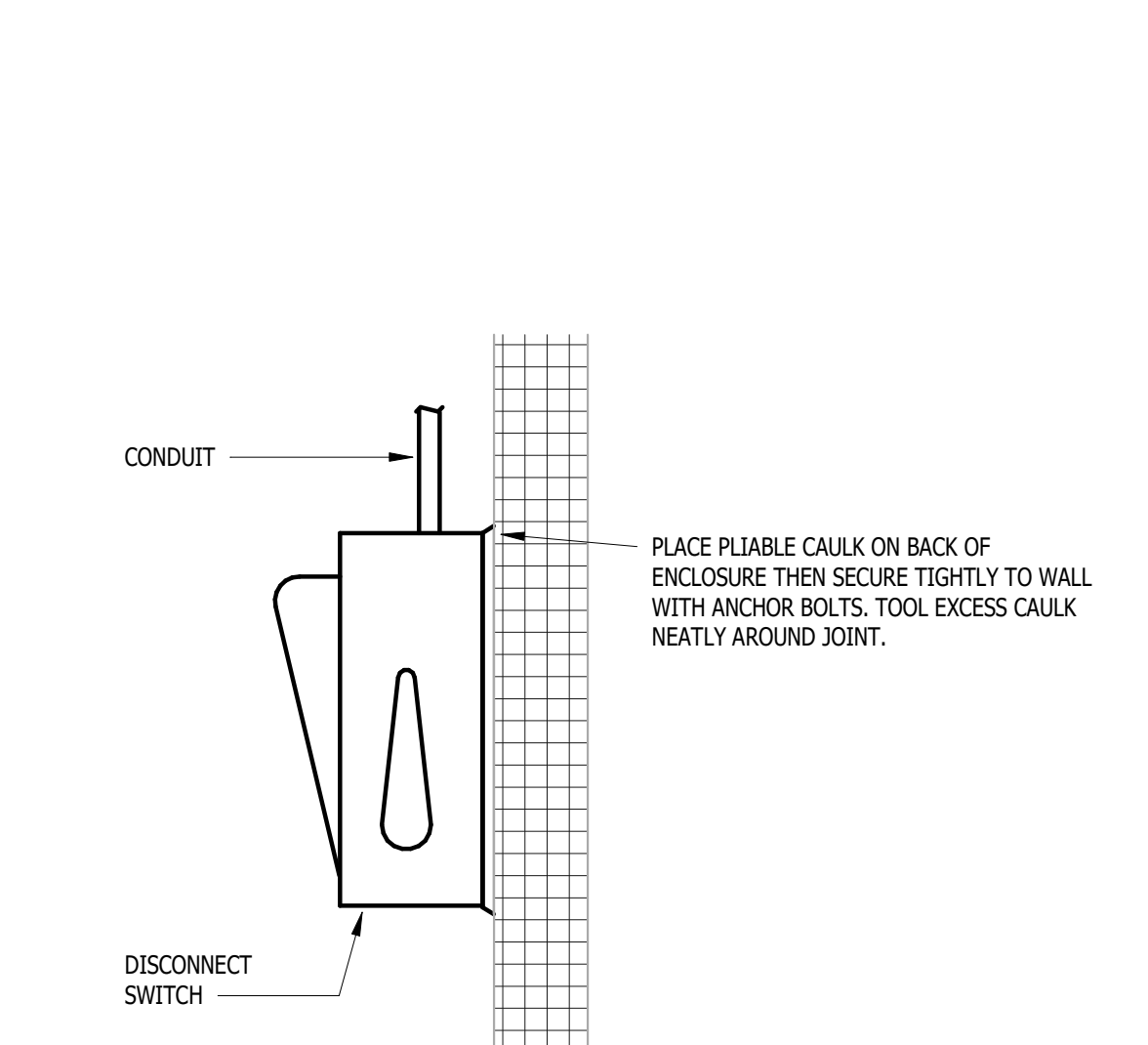
E.501



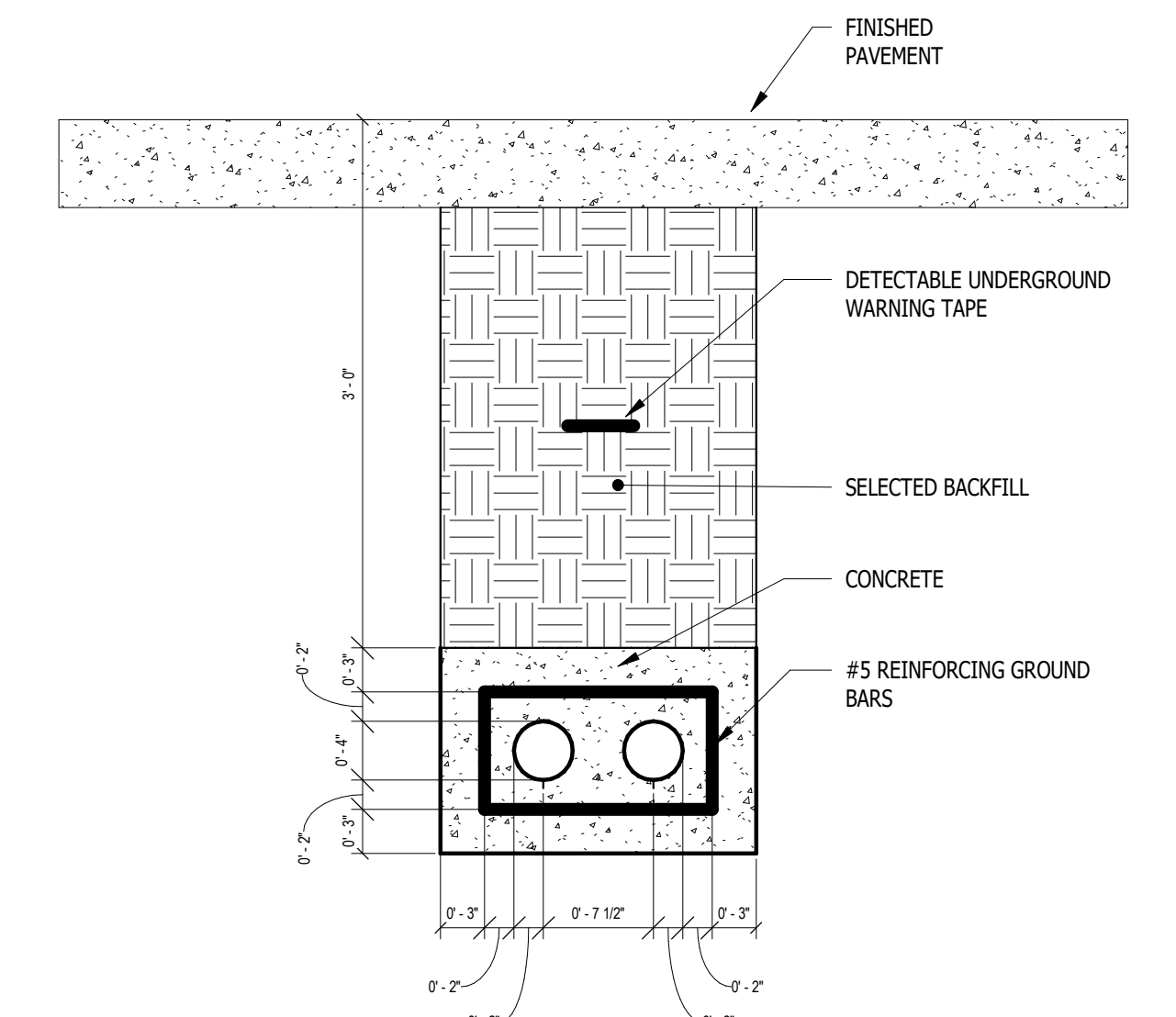
1  
E.502  
PANELBOARD IDENTIFICATION  
NOT TO SCALE



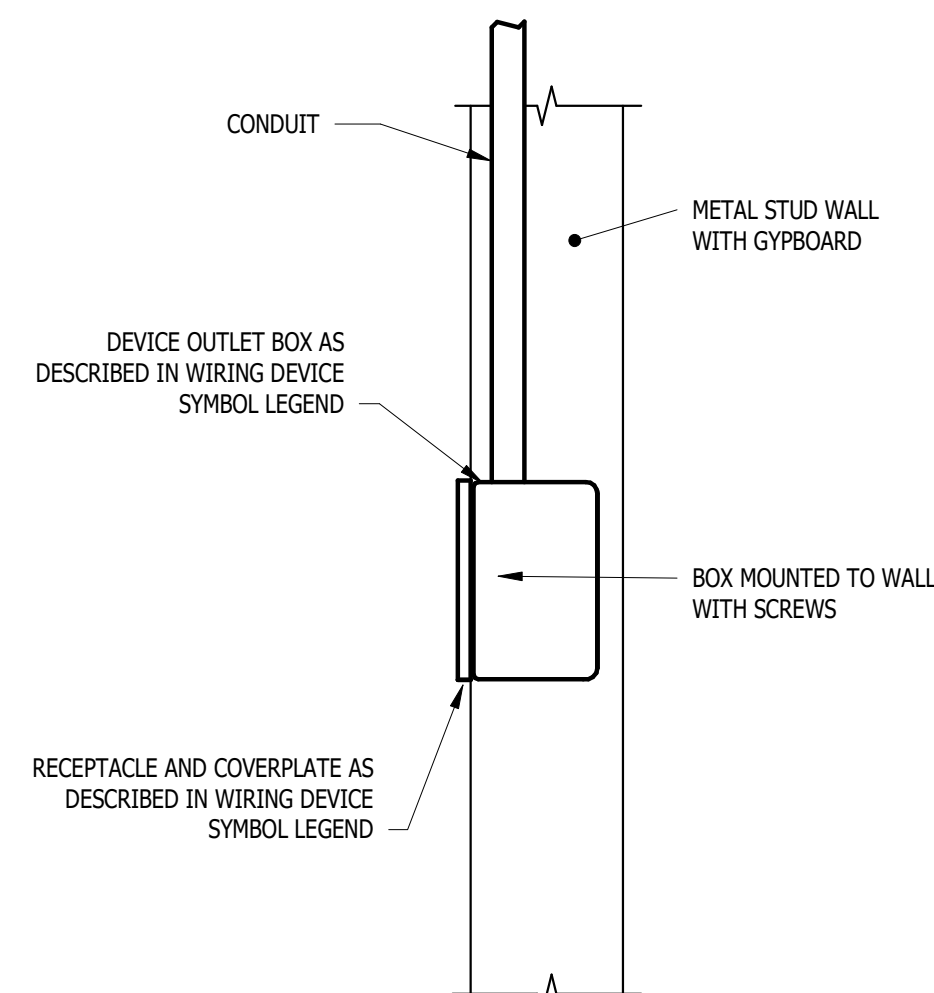
2  
E.502  
CONDUIT FLOOR PENETRATION DETAIL  
NOT TO SCALE



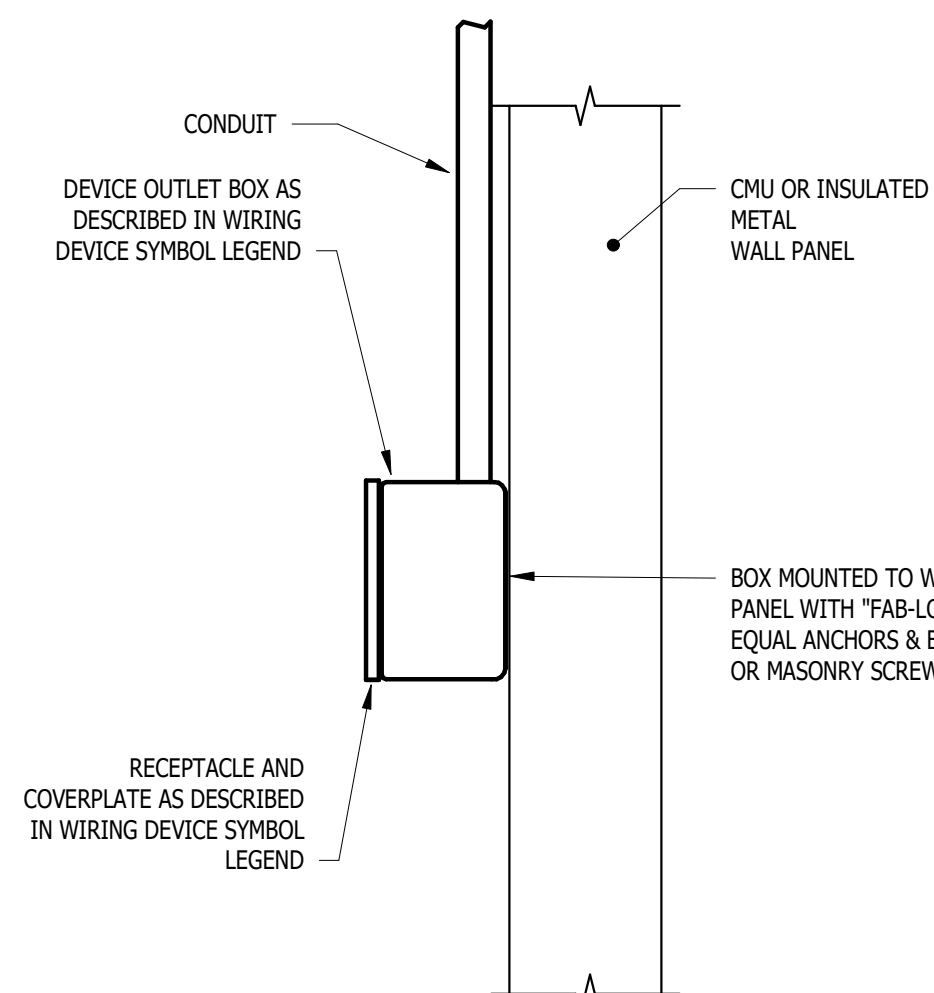
3  
E.502  
TYPICAL WALL MOUNTED DEVICE DETAIL  
NOT TO SCALE



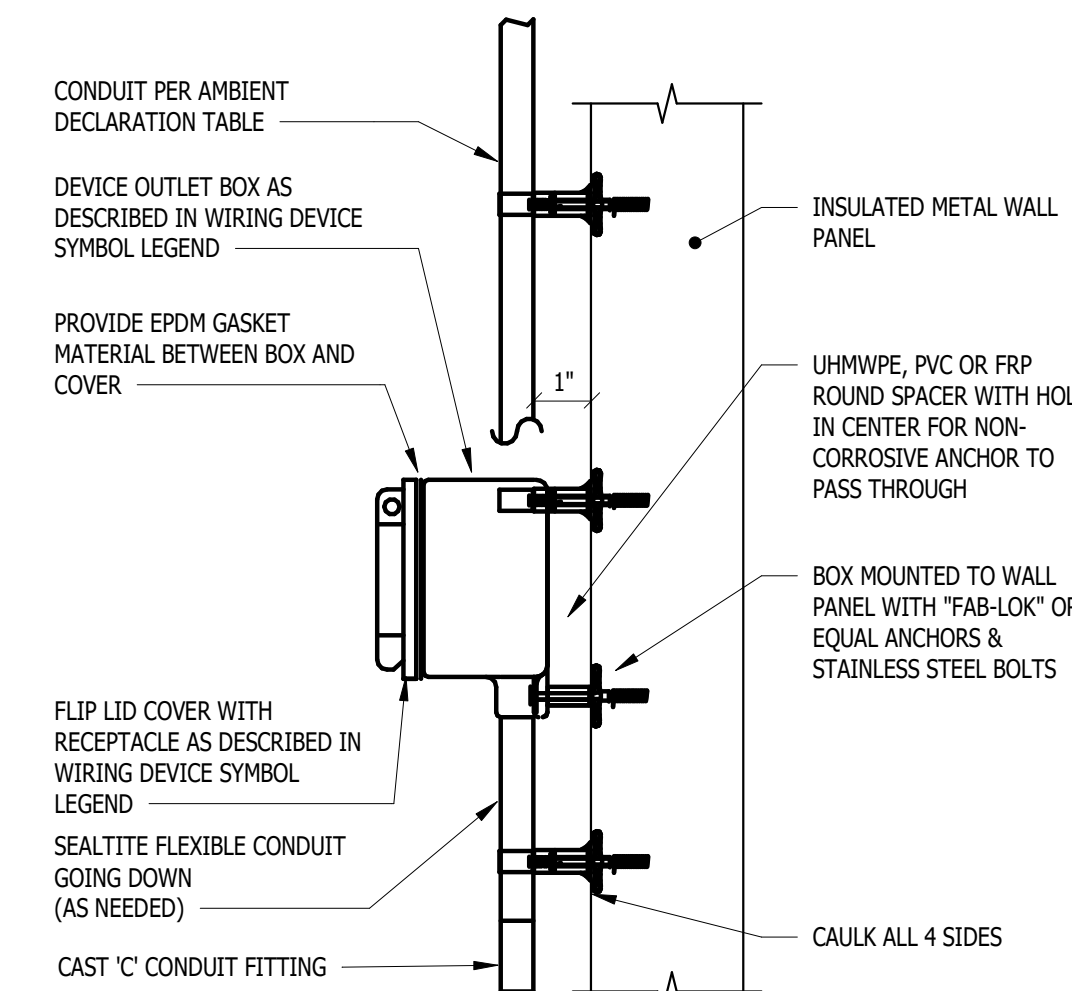
4  
E.502  
CONDUITS UNDER ROADWAY  
NOT TO SCALE



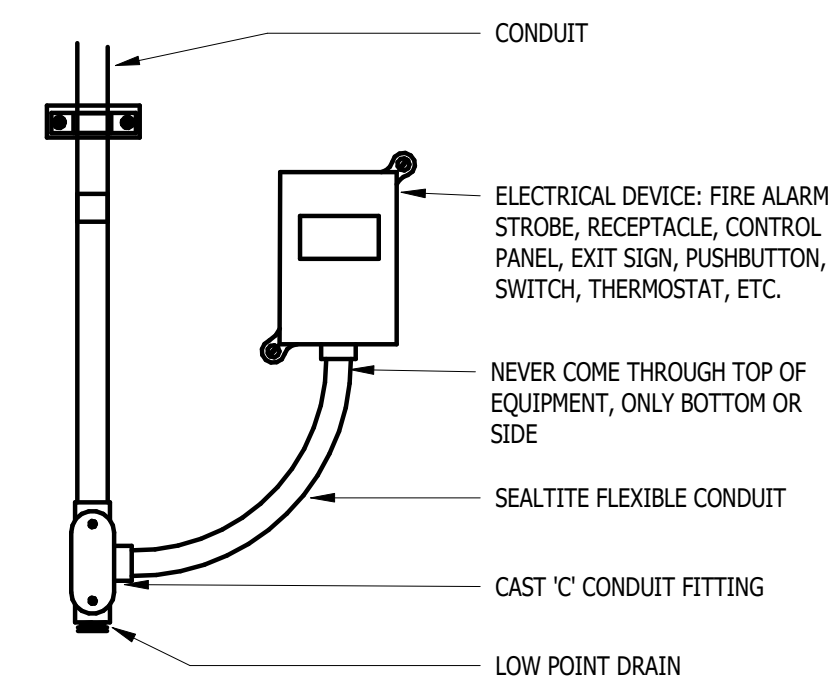
5  
E.502  
DRY AREAS (RECESS MOUNTED)  
NOT TO SCALE



6  
E.502  
DRY AREAS (SURFACE MOUNTED)  
NOT TO SCALE



7  
E.502  
WET AREAS - SIDE VIEW  
NOT TO SCALE

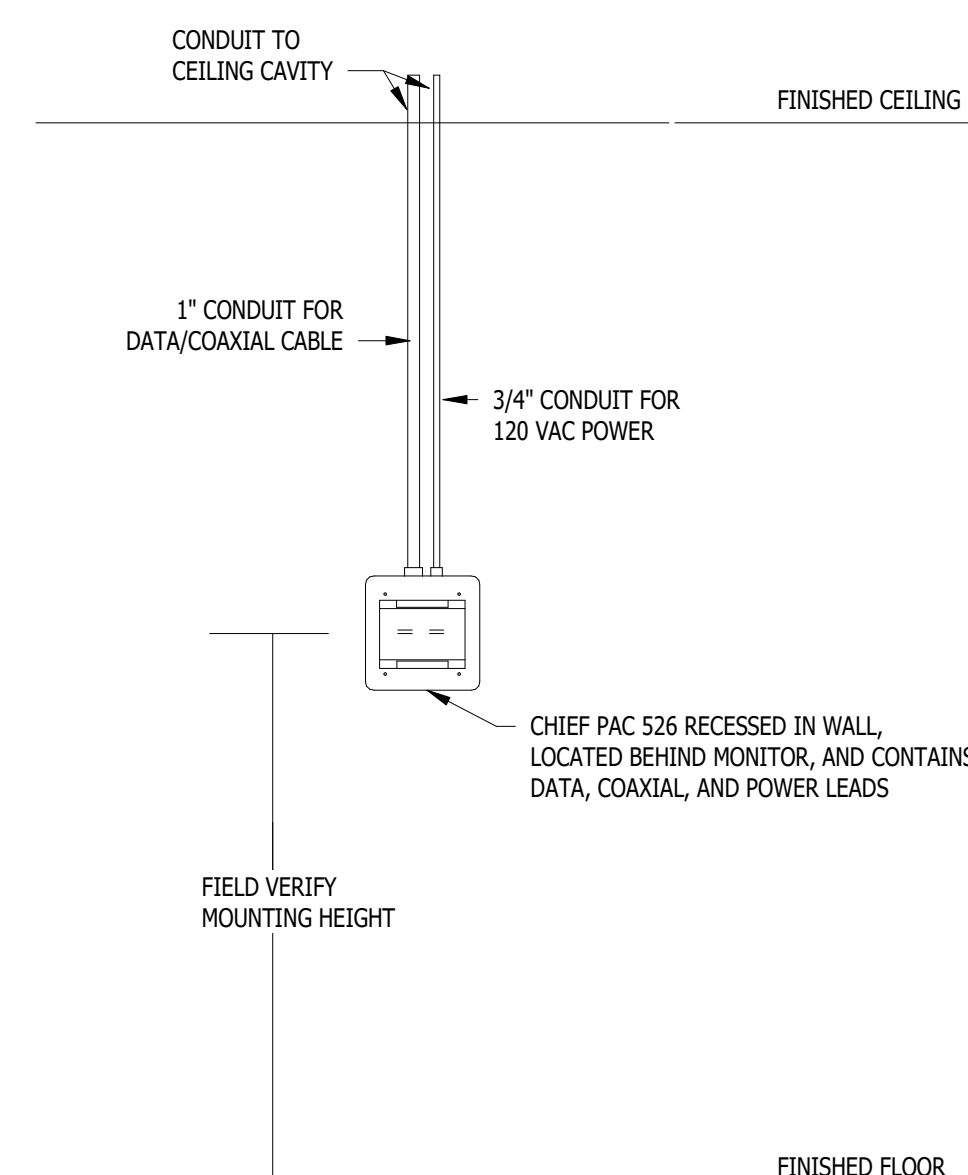


8  
E.502  
WET AREAS - FRONT VIEW  
NOT TO SCALE

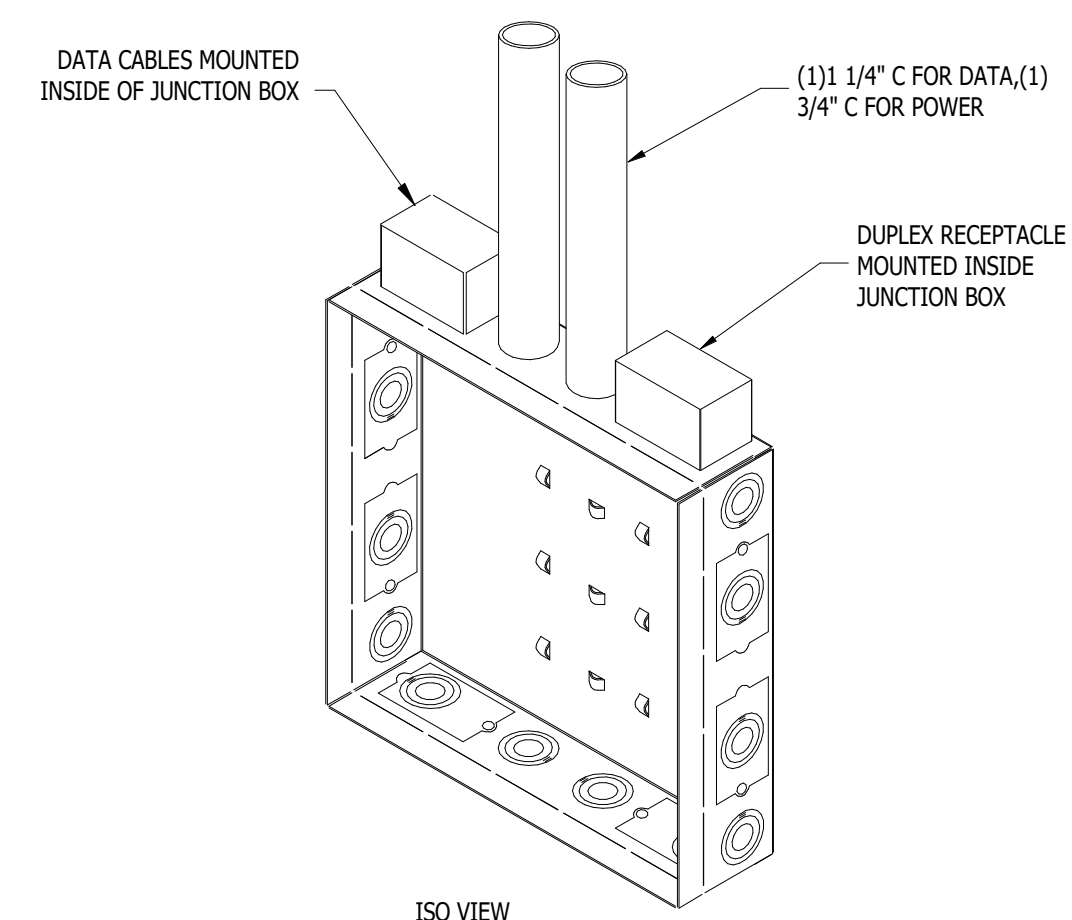
WET AREA NOTES:

1. CONDUIT IS TO BE MOUNTED 1" OFF WALLS, CEILINGS, EQUIPMENT, LADDER SUPPORTS, ETC. PER THIS DETAIL. ALL MOUNTING HARDWARE, ANCHORS, ETC. SHALL BE STAINLESS STEEL.
2. DEVICE BOXES, DISCONNECTS, ENCLOSURES, CONTROL PANELS, ETC. 1" OFF WALL WITH SPACERS MADE FROM UHMWPE, PVC, OR FRP ROUND TUBE STOCK. SURFACE MOUNTED DEVICES ARE TO BE CAULKED ALL AROUND.
3. CONDUIT SHALL ENTER ALL BOXES, CABINETS, ENCLOSURE, ETC. FROM THE SIDE OF BOTTOM, **NO EXCEPTIONS**
4. CONNECTIONS TO ENCLOSURES, WIREWAYS, ETC. ARE TO BE MADE WATERTIGHT AND WATER IMPERVIOUS.

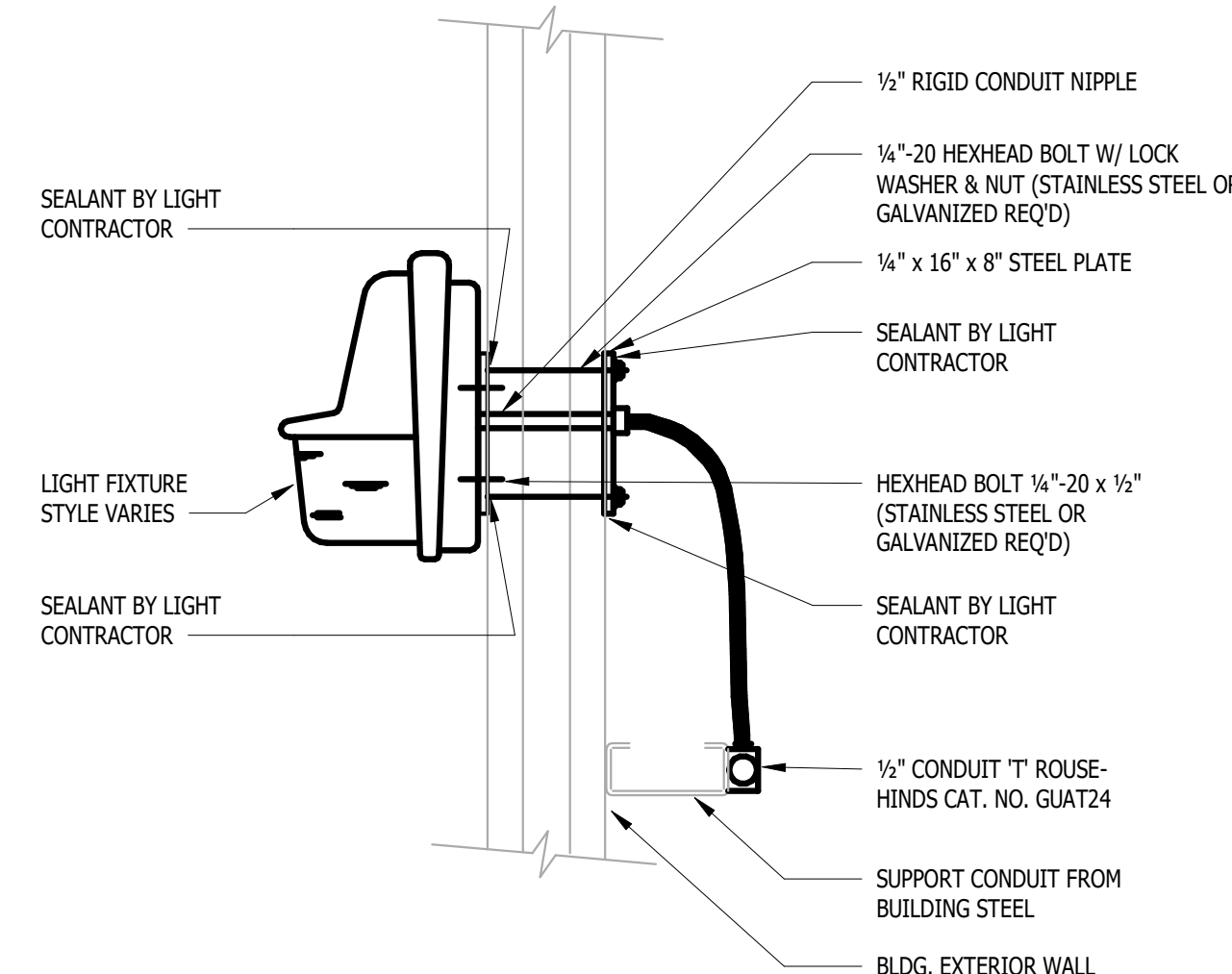
9  
E.502  
RECEPTACLE/ELECTRICAL DEVICE MOUNTING DETAIL  
NOT TO SCALE



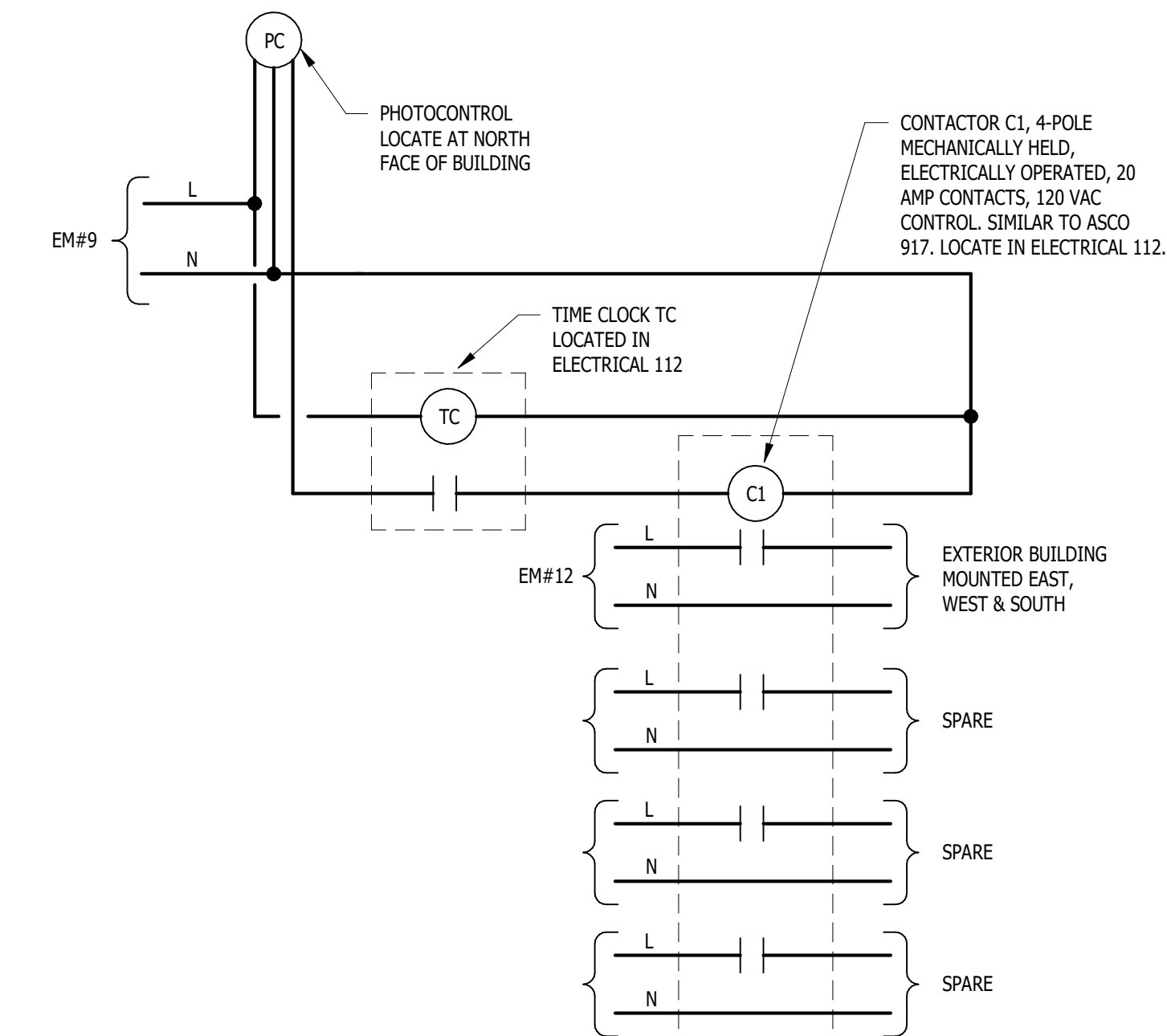
10  
E.502  
CHIEF PAC 526 ELEVATION  
NOT TO SCALE



11  
E.502  
CHIEF PAC 526 ISOMETRIC  
NOT TO SCALE

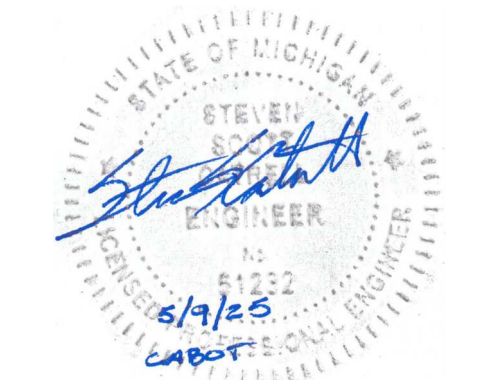


12  
E.502  
EXTERIOR BUILDING MOUNTED LIGHT DETAIL  
NOT TO SCALE



13  
E.502  
EXTERIOR LTG - EXTERIOR LIGHTING CONTROL  
NOT TO SCALE

**SEAL**



MICHIGAN

**13725 DEXTER AVENUE  
CABOT APARTMENTS  
RENOVATION OF**

DETROIT

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| 09.15.2026 | OWNER REVISIONS |
| 06.24.2025 | BIDS            |
| 05.09.2025 | PERMIT          |
| DATE       | ISSUE           |

### KEY PLAN

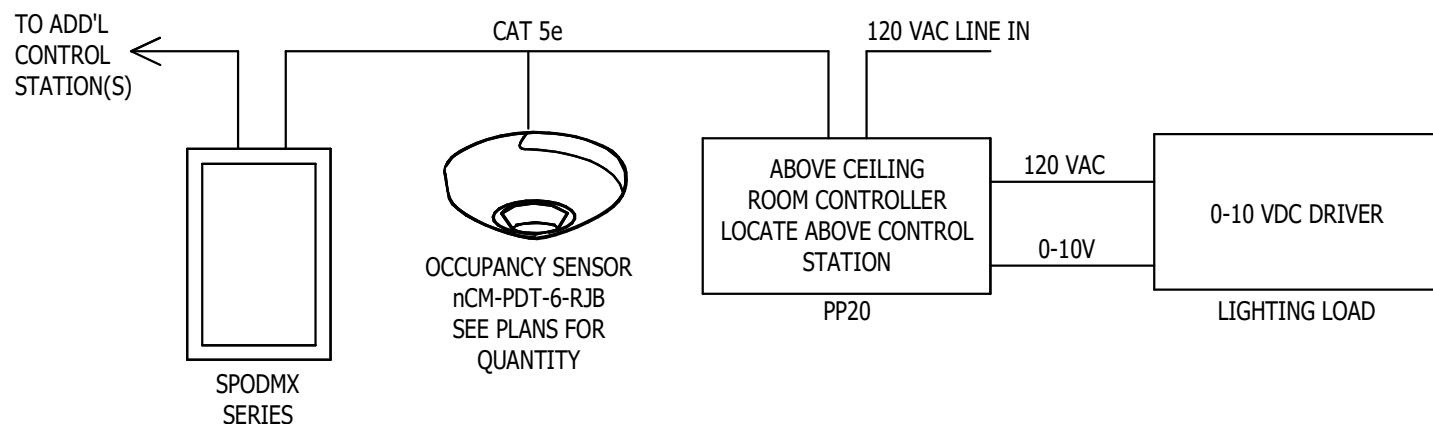
FSP PROJECT NO.  
TRC22.066

**DRAWING TITLE**

## ELECTRICAL DETAILS

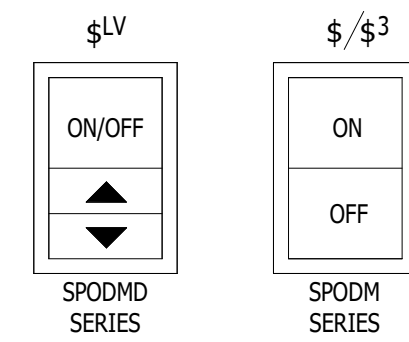
**DRAWING NUMBER**

## E.503



NOTES:

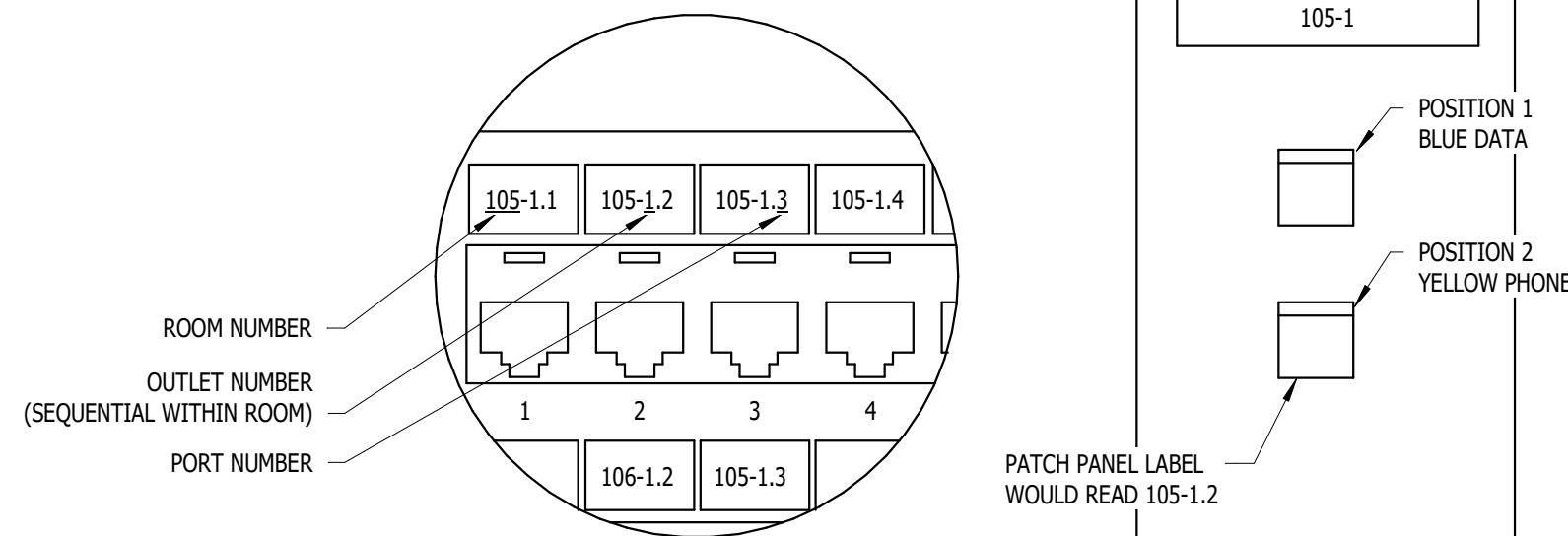
1. SENSOR SWITCH SHOWN IN THIS DIAGRAM ARE BASIS OF DESIGN. CONTRACTOR MAY PROVIDE APPROVED EQUAL COOPER, HUBBELL, LUTRON, EVITON, WATTSSTOPPER.
2. CONTROLS TO BE COMPLIANT WITH LOCAL AND CURRENT ELECTRICAL CODES, BASED ON CURRENT ELECTRICAL CODES.
3. ALL SENSOR LOCATIONS ARE APPROXIMATE, REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION.
4. ULTRASONIC CEILING MOUNT SENSOR SHOULD BE LOCATED A MINIMUM OF SIX FEET FROM HVAC SUPPLY/RETURN VENTS.
5. CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY & TIME DELAY SETTINGS (FOR NON-ADAPTIVE PRODUCTS) RECOMMENDED PLACEMENT, AND FIELD VERIFICATION OF CIRCUITS WITH IN RESPECT TO POWER PLACEMENT.
6. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SENSOR RAIL OF MATERIALS COMPLIES WITH THE SENSOR DESIGN AND LAYOUT SPECIFICATIONS.
7. ROOM CONTROLLERS IN AREAS WITH DROP CEILINGS TO BE MOUNTED ABOVE DROP CEILING.



**2**  
E.503

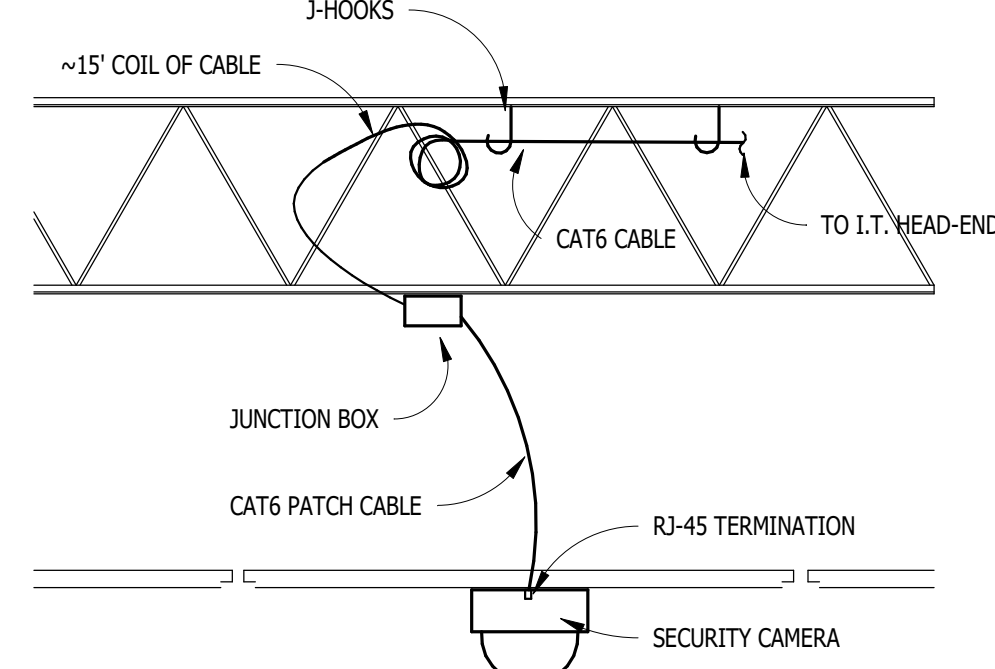
**LIGHTING CONTROL DETAIL**

NOT TO SCALE

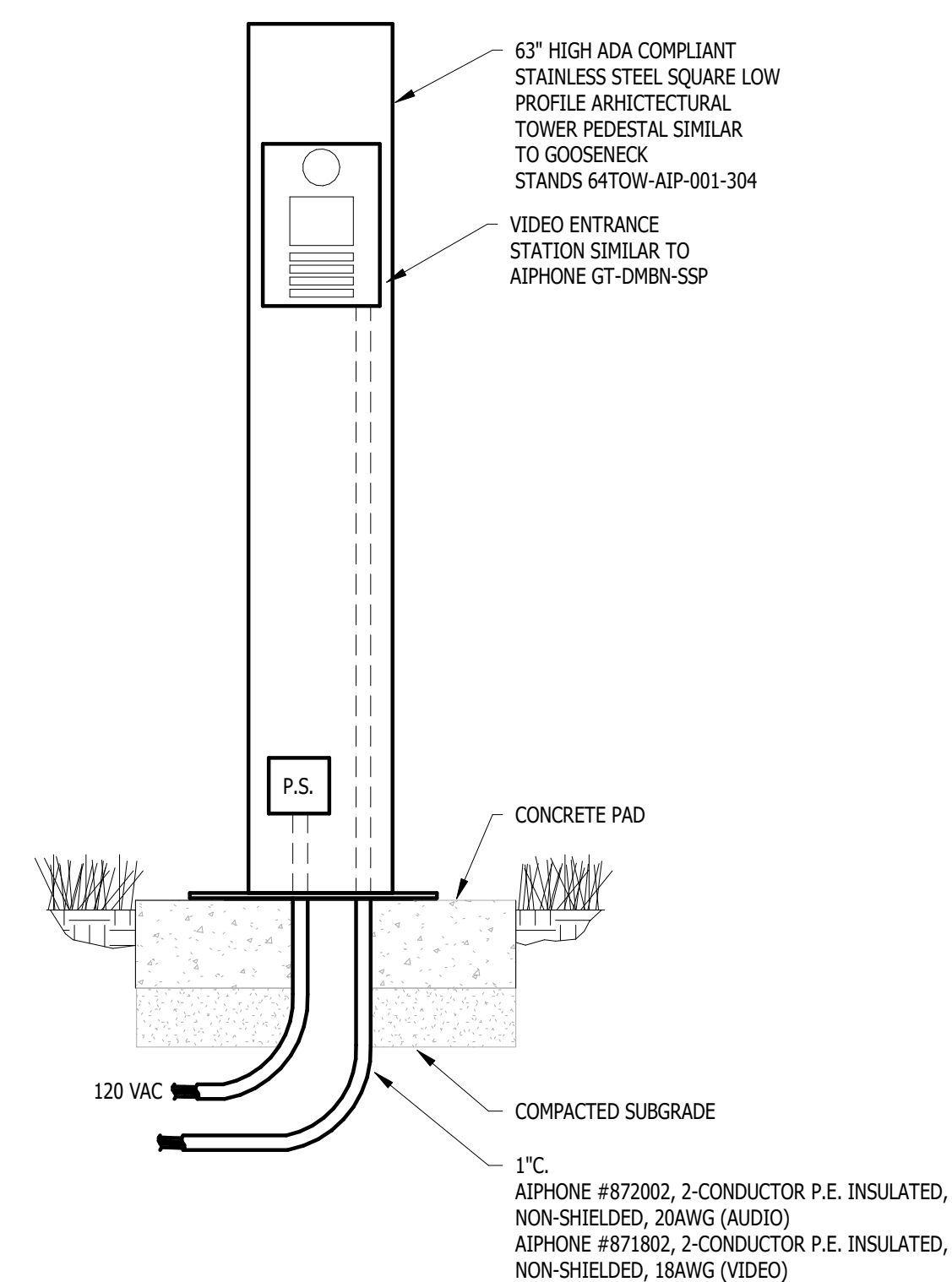


**NOTE:**  
THE LABEL FOR EACH WALL OUTLET SHOULD BE THE ROOM  
NUMBER HYPHEN THE OUTLET NUMBER IN THE ROOM. IN  
THIS EXAMPLE THE ROOM NUMBER IS 105 AND THIS IS THE  
FIRST OUTLET IN THE ROOM

**DATA FACEPLATE DETAIL**  
NOT TO SCALE



**6** SECURITY CAMERA MOUNTING DETAIL  
E.503 NOT TO SCALE



 **BUILDING ACCESS PEDESTAL**  
NOT TO SCALE

| LIGHTING FIXTURE SCHEDULE |                                                                                    |            |                            |                                   |          |              |          |                                    |                                                |
|---------------------------|------------------------------------------------------------------------------------|------------|----------------------------|-----------------------------------|----------|--------------|----------|------------------------------------|------------------------------------------------|
| TYPE                      | MFR/MODEL                                                                          | COLOR TEMP | DIMENSIONS (H x W x D)     | DIMMING                           | VOLTAGE  | LUMEN OUTPUT | WATTAGE  | DESCRIPTION                        | COMMENTS                                       |
| B37                       | METALLUX #4-SNX-41SL-FDL-UNV-L840-CD-1                                             | 4000K      | 48" X 2" X 3"              | 0-10V DIMMING                     | 120-277V | 3700L        | 26       | STRIP LED                          |                                                |
| B54                       | METALLUX #4-SNX-60SL-FDL-UNV-L840-CD-1                                             | 4000K      | 48" X 2" X 3"              | 0-10V DIMMING                     | 120-277V | 5400L        | 42       | STRIP LED                          |                                                |
| C10                       | ENVISION LED LIGHTING #LED-SLDSKR-7-15W-30K-COLOR                                  | 3000K      | 7" DIAMETER X 1" DEEP      | 120V TRIAC DIMMABLE               | 120V     | 1000L        | 15       | SURFACE ROUND SLIMLINE             |                                                |
| D22                       | LIGHT FIXTURE SELECTION BY ARCHITECT                                               | 3000K      | 12" DIAMETER               | 120V TRIAC DIMMABLE               | 120V     | 2100L        | 30.77    | CEILING SURFACE ROUND              |                                                |
| E08                       | OXYGEN LIGHTING #3-618-FINISH                                                      | 3000K      | 10.5" DIAMETER X 3.5" DEEP | 120V TRIAC DIMMABLE               | 120V     | 2000L        | 12.5     | WALL SCONCE / CEILING MOUNT        |                                                |
| F29                       | TERON ALANTE BFP LED #AE18-L35-35W-UNV-BN-300K                                     | 3000K      | 18.5" DIAMETER X 5.5" DEEP | NON DIMMING                       | 120-277V | 2000L        | 35       | SURFACE ROUND DECORATIVE           |                                                |
| G17                       | TERON LIGHTING #RTR5-L17-0-LT700-120-277V-ORB-30K                                  | 3000K      | 24" X 5" X 4"              | NON DIMMING                       | 120-277V | 1600L        | 17       | SURFACE LINEAR LED                 | MOUNT 7'-0" AFF TO CENTER                      |
| J30                       | KICHLER #82333                                                                     | 3000K      | 20" DIAMETER X 58" DEEP    | 120V TRIAC DIMMABLE               | 120V     | 3150L        | 30       | STETTON CHANDELIER 1-TIER, 5-LIGHT | MOUNT 14'-2" TO BOTTOM, CONFIRM WITH ARCHITECT |
| K43                       | METALLUX #4SWLED-44HL-LW-L830-CD-1-WLS                                             | 3000K      | 48" X 5" X 4"              | 0-10V DIMMING                     | 120-277V | 4400L        | 40       | SURFACE LINEAR                     | STAIRWELL LIGHTS TO OPERATE TOGETHER           |
| L07                       | ENVISION LED LIGHTING #LED-SLDSKR-7-15W-30K-COLOR                                  | 3000K      | 5" DIAMETER X 5/8" DEEP    | 120V TRIAC DIMMABLE               | 120V     | 685L         | 10       | SURFACE ROUND SLIMLINE             |                                                |
| N10                       | STEEL LIGHTING CO. #WHITE FINISH-8.5" BLACK CORD-4" BELL BOX-E26 DIMMABLE LED BULB | 3000K      | 8.5" DIAMETER X 10.5" DEEP | 120V TRIAC DIMMABLE               | 120V     | 1500L        | 12       | CEILING PENDANT                    |                                                |
| N12                       | HALO #FM119S1EWHR                                                                  | 3000K      | 11" DIAMETER X 3.12" DEEP  | 120V TRIAC DIMMABLE               | 120V     | 2100L        | 14.5     | LOW PROFILE ROUND FLUSH MOUNT      |                                                |
| N29                       | LIGHTOLOGY #AFX1302687                                                             | 3000K      | 48" X 24" X 1"             | 0-10V DIMMING                     | 120V     | 4500L        | 50       | SURFACE LINEAR                     |                                                |
| P27                       | ENVISION LED LIGHTING #LED-JJ-21W-TRI                                              | 4000K      | 13" X 3.8" X 1.9"          | NON-DIMMING                       | 120-277V | 2700L        | 21       | JELLY JAR                          |                                                |
| Q08                       | EURI LIGHTING #EFL-130-MD                                                          | 3000K      | 14.56" X 8.07" X 9.44"     | NON-DIMMING                       | 120V     | 1200L        | <varies> | WALL LIGHT FIXTURE                 | MOUNT +/- 10'-2" A.F.F. TO BOTTOM              |
| Q55                       | TCP LIGHTING #WP-55-001-40KPC-MS                                                   | 4000K      | 9.2" X 14.2" X 7.4"        | MICROWAVE BI-LEVEL DIMMING SENSOR | 120V     | 5800L        | 55       | WALL LIGHT FIXTURE                 | MOUNT 14'-8" A.F.F. TO BOTTOM                  |
| U03                       | COOPER LIGHTING #HU11-09-D9-S-COLOR                                                | SELECTABLE | 9" X 1" X 3"               | 120V TRIAC DIMMABLE               | 120-277V | 300L         | 4.5      | UNDERCABINET LIGHT                 |                                                |
| U05                       | COOPER LIGHTING #HU11-18-D9-S-COLOR                                                | SELECTABLE | 18" X 1" X 3"              | 120V TRIAC DIMMABLE               | 120-277V | 560L         | 8        | UNDERCABINET LIGHT                 |                                                |
| U07                       | COOPER LIGHTING #HU11-24-D9-S-COLOR                                                | SELECTABLE | 24" X 1" X 3"              | 120V TRIAC DIMMABLE               | 120-277V | 785L         | 11       | UNDERCABINET LIGHT                 |                                                |
| U11                       | COOPER LIGHTING #HU11-24-D9-S-COLOR                                                | SELECTABLE | 32" X 1" X 3"              | 120V TRIAC DIMMABLE               | 120-277V | 785L         | 11       | UNDERCABINET LIGHT                 |                                                |
| U15                       | COOPER LIGHTING #HU11-48-D9-S-COLOR                                                | SELECTABLE | 48" X 1" X 3"              | 120V TRIAC DIMMABLE               | 120-277V | 1540L        | 21       | UNDERCABINET LIGHT                 |                                                |
| X03                       | SURE-LITES #LPX7                                                                   | N/A        | 7 1/2" X 13" X 4 1/2"      | NON-DIMMING                       | 120-277V | N/A          | 4        | LED EXIT LIGHT                     | WIRED AHEAD OF LOCAL SWITCHING                 |

## LIGHTING CONTROL MATRIX

| NOTES:                                                                                                                                                                                               |              |                 |                           |                             |                       |             |     |          |            |            |           |                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------|---------------------------|-----------------------------|-----------------------|-------------|-----|----------|------------|------------|-----------|-------------------|
| 1. SENSOR LOCATIONS ARE APPROXIMATE, REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION.                                                                                         |              |                 |                           |                             |                       |             |     |          |            |            |           |                   |
| 2. ULTRASONIC CEILING MOUNT SENSORS SHOULD BE LOCATED A MINIMUM OF SIX FEET (6'-0") FROM H.V.A.C. SUPPLY/RETURN VENTS.                                                                               |              |                 |                           |                             |                       |             |     |          |            |            |           |                   |
| 3. CONTRACTOR IS RESPONSIBLE FOR: PROPER SENSITIVITY & TIME DELAY SETTINGS (FOR NON-ADAPTIVE PRODUCTS) RECOMMENDED PLACEMENT, AND FIELD VERIFICATION OF CIRCUITS WITH IN RESPECT TO POWER PLACEMENT. |              |                 |                           |                             |                       |             |     |          |            |            |           |                   |
| 4. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SENSOR BILL OF MATERIALS COMPLIES WITH THE SENSOR DESIGN AND LAYOUT SPECIFICATIONS.                                                               |              |                 |                           |                             |                       |             |     |          |            |            |           |                   |
| 5. CONTRACTOR IS RESPONSIBLE FOR INSTALLING EQUIPMENT IN COMPLIANCE WITH LOCAL CODE.                                                                                                                 |              |                 |                           |                             |                       |             |     |          |            |            |           |                   |
| 6. CONTRACTOR IS RESPONSIBLE TO REVIEW LIGHTING CONTROLS 8.0 M. FOR QUANTITY OF O.S./VACANCY SENSORS.                                                                                                |              |                 |                           |                             |                       |             |     |          |            |            |           |                   |
| 7. ROOM CONTROLLERS SHALL CONFORM TO REQUIREMENTS FOR EACH ROOMS LIGHTING SEQUENCE.                                                                                                                  |              |                 |                           |                             |                       |             |     |          |            |            |           |                   |
| KEYNOTE                                                                                                                                                                                              | SWITCHING    |                 | AUTOMATIC ON/OFF CONTROLS |                             |                       | PARTIAL OFF |     | FULL OFF | TIME-CLOCK | DAYLIGHT   |           |                   |
|                                                                                                                                                                                                      | SWITCH TYPE  | SWITCH CONTROLS | TYPE                      | SENSOR                      | TURN ON LIGHTING TO % | TIME        | %   | TIME     | SCHEDULE   | SIDE LIGHT | TOP LIGHT | MAINTAIN FC LEVEL |
| A                                                                                                                                                                                                    | LOW VOLTAGE  | ON-OFF          | OCCUPANCY SENSOR          | MANUAL ON/ AUTO PARTIAL OFF | 100%                  | 20 MINS     | 50% | 60 MINS  | N/A        | N/A        | N/A       | N/A               |
| B                                                                                                                                                                                                    | LOW VOLTAGE  | ON-OFF-DIM      | OCCUPANCY SENSOR          | MANUAL ON/ AUTO OFF         | PREVIOUS LEVEL        | N/A         | N/A | 20 MINS  | N/A        | N/A        | N/A       | N/A               |
| C                                                                                                                                                                                                    | LINE VOLTAGE | ON-OFF          | WALL OCCUPANCY SENSOR     | AUTO ON/AUTO OFF            | 100%                  | N/A         | N/A | 20 MINS  | N/A        | N/A        | N/A       | N/A               |
| D                                                                                                                                                                                                    | LINE VOLTAGE | ON-OFF          | N/A                       | MANUAL ON/ MANUAL OFF       | 100%                  | N/A         | N/A | N/A      | N/A        | N/A        | N/A       | N/A               |
| E                                                                                                                                                                                                    | LINE VOLTAGE | NONE            | FIXTURE INTEGRATED SENSOR | AUTO ON / STEP DIM          | 100%                  | 20 MINS     | 50% | 20 MINS  | YES        | N/A        | N/A       | N/A               |
| F                                                                                                                                                                                                    | LOW VOLTAGE  | ON-OFF          | OCCUPANCY SENSOR          | MANUAL ON / AUTO OFF        | 100%                  | N/A         | N/A | 20 MINS  | N/A        | N/A        | N/A       | N/A               |

| Branch Panel: 1A               |                                |                |       |                    |         |                  |         |                             |         |       |      |                         |     |
|--------------------------------|--------------------------------|----------------|-------|--------------------|---------|------------------|---------|-----------------------------|---------|-------|------|-------------------------|-----|
| Location: ELECTRICAL 112       |                                |                |       | Volts: 120/208 Wye |         |                  |         | A.I.C. Rating: 22kAIC       |         |       |      |                         |     |
| Supply From: SWB               |                                |                |       | Phases: 3          |         |                  |         | Mains Type: MCB             |         |       |      |                         |     |
| Mounting: SURFACE              |                                |                |       | Wires: 4           |         |                  |         | Mains Rating: 225 A         |         |       |      |                         |     |
| Enclosure: NEMA 1              |                                |                |       |                    |         |                  |         | MCB Rating: 225 A           |         |       |      |                         |     |
| Notes:                         |                                |                |       |                    |         |                  |         |                             |         |       |      |                         |     |
| * PROVIDE GFCI CIRCUIT BREAKER |                                |                |       |                    |         |                  |         |                             |         |       |      |                         |     |
| CKT                            | Circuit Description            | Trip           | Poles | A                  |         | B                |         | C                           |         | Poles | Trip | Circuit Description     | CKT |
| 1                              | Lighting RMS 118,121           | 20 A           | 1     | 79 VA              | 720 VA  |                  |         |                             |         | 1     | 20 A | Receptacle CORRIDOR 301 | 2   |
| 3                              | Lighting RMS 202-204           | 20 A           | 1     |                    |         | 126 VA           | 900 VA  |                             |         | 1     | 20 A | Receptacle CORRIDOR 301 | 4   |
| 5                              | Receptacle CORRIDOR 101        | 20 A           | 1     |                    |         |                  |         | 720 VA                      | 360 VA  | 1     | 20 A | Receptacle RMS 313,314  | 6   |
| 7                              | Receptacle CORRIDOR 101        | 20 A           | 1     | 900 VA             | 600 VA  |                  |         |                             |         | 1     | 20 A | WASHER LAUNDRY 314      | 8   |
| 9                              | Receptacle RMS 102,103         | 20 A           | 1     |                    |         | 1080...          | 600 VA  |                             |         | 1     | 20 A | WASHER LAUNDRY 314      | 10  |
| 11                             | Receptacle ELECTRICAL 112      | 20 A           | 1     |                    |         |                  |         | 720 VA                      | 600 VA  | 1     | 20 A | WASHER LAUNDRY 314      | 12  |
| 13                             | Receptacle RMS 113,114         | 20 A           | 1     | 540 VA             | 1500... |                  |         |                             |         |       |      |                         | 14  |
| 15                             | Receptacle RMS 115,116         | 20 A           | 1     |                    |         | 900 VA           | 1500... |                             |         |       |      |                         | 16  |
| 17                             | Receptacle MECHANICAL 116      | 20 A           | 1     |                    |         |                  |         | 540 VA                      | 1500... | 2     | 30 A | DRYER LAUNDRY 314       | 18  |
| 19                             | Receptacle MECHANICAL 116      | 20 A           | 1     | 360 VA             | 1500... |                  |         |                             |         |       |      |                         | 20  |
| 21                             | Receptacle COMM RM 117         | 20 A           | 1     |                    |         | 720 VA           | 720 VA  |                             |         | 1     | 20 A | Receptacle CORRIDOR 401 | 22  |
| 23                             | Receptacle COMM RM 117         | 20 A           | 1     |                    |         |                  |         | 900 VA                      | 900 VA  | 1     | 20 A | Receptacle CORRIDOR 401 | 24  |
| 25                             | VINYL ROLLING DOOR KITCHEN 118 | 20 A           | 1     | 600 VA             | 360 VA  |                  |         |                             |         | 1     | 20 A | Receptacle RMS 414,415  | 26  |
| 27                             | Receptacle KITCHEN 118         | 20 A           | 1     |                    |         | 360 VA           | 600 VA  |                             |         | 1     | 20 A | WASHER LAUNDRY 415      | 28  |
| 29                             | Receptacle KITCHEN 118         | 20 A           | 1     |                    |         |                  |         | 180 VA                      | 600 VA  | 1     | 20 A | WASHER LAUNDRY 415      | 30  |
| 31                             | Receptacle KITCHEN 118         | 20 A           | 1     | 540 VA             | 600 VA  |                  |         |                             |         | 1     | 20 A | WASHER LAUNDRY 415      | 32  |
| 33                             | * D.W. KITCHEN 118             | 20 A           | 1     |                    |         | 1440...          | 1500... |                             |         | 2     | 30 A | DRYER LAUNDRY 415       | 34  |
| 35                             | G.D. KITCHEN 118               | 20 A           | 1     |                    |         |                  |         | 800 VA                      | 1500... |       |      |                         | 36  |
| 37                             | * M.W. KITCHEN 118             | 20 A           | 1     | 1500...            | 1500... |                  |         |                             |         |       |      |                         | 38  |
| 39                             | REF. KITCHEN 118               | 20 A           | 1     |                    |         | 600 VA           | 1500... |                             |         |       |      |                         | 40  |
| 41                             | Receptacle CORRIDOR 201        | 20 A           | 1     |                    |         |                  |         | 720 VA                      | 720 VA  | 1     | 20 A | Receptacle CORRIDOR 501 | 42  |
| 43                             | Receptacle CORRIDOR 201        | 20 A           | 1     | 720 VA             | 900 VA  |                  |         |                             |         | 1     | 20 A | Receptacle CORRIDOR 501 | 44  |
| 45                             | Receptacle ELEVATOR 1ST & 5TH  | 20 A           | 1     |                    |         | 180 VA           | 180 VA  |                             |         | 1     | 20 A | Receptacle ELEVATOR 502 | 46  |
| 47                             | Receptacle RMS 202,203         | 20 A           | 1     |                    |         |                  |         | 720 VA                      | 360 VA  | 1     | 20 A | Receptacle RMS 514,515  | 48  |
| 49                             | Receptacle RMS 203,204         | 20 A           | 1     | 900 VA             | 600 VA  |                  |         |                             |         | 1     | 20 A | WASHER LAUNDRY 515      | 50  |
| 51                             | Receptacle PROPERTY MGR. 204   | 20 A           | 1     |                    |         | 900 VA           | 600 VA  |                             |         | 1     | 20 A | WASHER LAUNDRY 515      | 52  |
| 53                             | Receptacle RMS 213,214         | 20 A           | 1     |                    |         |                  |         | 900 VA                      | 600 VA  | 1     | 20 A | WASHER LAUNDRY 515      | 54  |
| 55                             | SPARE                          | 20 A           | 1     | 0 VA               | 1500... |                  |         |                             |         | 2     | 30 A | DRYER LAUNDRY 515       | 56  |
| 57                             | SPARE                          | 20 A           | 1     |                    |         | 0 VA             | 1500... |                             |         |       |      |                         | 58  |
| 59                             | SPARE                          | 20 A           | 1     |                    |         |                  |         | 0 VA                        | 1500... |       |      |                         | 60  |
| 61                             | SPARE                          | 20 A           | 1     | 0 VA               | 1500... |                  |         |                             |         | 2     | 30 A | DRYER LAUNDRY 515       | 62  |
| 63                             | SPARE                          | 20 A           | 1     |                    |         | 0 VA             | 0 VA    |                             |         | 1     | 20 A | SPARE                   | 64  |
| 65                             | SPARE                          | 20 A           | 1     |                    |         |                  |         | 0 VA                        | 0 VA    | 1     | 20 A | SPARE                   | 66  |
| 67                             | SPARE                          | 20 A           | 1     | 0 VA               | 0 VA    |                  |         |                             |         | 1     | 20 A | SPARE                   | 68  |
| 69                             | SPARE                          | 20 A           | 1     |                    |         | 0 VA             | 0 VA    |                             |         | 1     | 20 A | SPARE                   | 70  |
| 71                             | SPARE                          | 20 A           | 1     |                    |         |                  |         | 0 VA                        | 0 VA    | 1     | 20 A | SPARE                   | 72  |
| Total Load:                    |                                |                |       | 17419 VA           |         | 15906 VA         |         | 14840 VA                    |         |       |      |                         |     |
| Total Amps:                    |                                |                |       | 147 A              |         | 134 A            |         | 124 A                       |         |       |      |                         |     |
| Legend:                        |                                |                |       |                    |         |                  |         |                             |         |       |      |                         |     |
| Load Classification            |                                | Connected Load |       | Demand Factor      |         | Estimated Demand |         | Panel Totals                |         |       |      |                         |     |
| Lighting                       |                                | 205 VA         |       | 125.00%            |         | 256 VA           |         |                             |         |       |      |                         |     |
| Receptacle                     |                                | 43020 VA       |       | 61.62%             |         | 26510 VA         |         | Total Conn. Load: 48165 VA  |         |       |      |                         |     |
| Equipment                      |                                | 600 VA         |       | 100.00%            |         | 600 VA           |         | Total Est. Demand: 31506 VA |         |       |      |                         |     |
| Kitchen                        |                                | 4340 VA        |       | 95.39%             |         | 4140 VA          |         | Total Conn.: 134 A          |         |       |      |                         |     |
|                                |                                |                |       |                    |         |                  |         | Total Est. Demand: 87 A     |         |       |      |                         |     |
|                                |                                |                |       |                    |         |                  |         |                             |         |       |      |                         |     |
|                                |                                |                |       |                    |         |                  |         |                             |         |       |      |                         |     |
| Notes:                         |                                |                |       |                    |         |                  |         |                             |         |       |      |                         |     |

| Branch Panel: 1B         |                           |                |       |                    |         |                  |         |                             |                                    |                           |    |
|--------------------------|---------------------------|----------------|-------|--------------------|---------|------------------|---------|-----------------------------|------------------------------------|---------------------------|----|
| Location: ELECTRICAL 112 |                           |                |       | Volts: 120/208 Wye |         |                  |         | A.I.C. Rating: 22kAIC       |                                    |                           |    |
| Supply From: SWB         |                           |                |       | Phases: 3          |         |                  |         | Mains Type: MCB             |                                    |                           |    |
| Mounting: SURFACE        |                           |                |       | Wires: 4           |         |                  |         | Mains Rating: 225 A         |                                    |                           |    |
| Enclosure: NEMA 1        |                           |                |       |                    |         |                  |         | MCB Rating: 225 A           |                                    |                           |    |
| Notes:                   |                           |                |       |                    |         |                  |         |                             |                                    |                           |    |
| CKT                      | Circuit Description       | Trip           | Poles | A                  | B       | C                | Poles   | Trip                        | Circuit Description                | CKT                       |    |
| 1                        | IRRIGATION ELECTRICAL 112 | 20 A           | 1     | 600 VA             | 300 VA  |                  | 1       | 20 A                        | EF-1 LAUNDRY 415                   | 2                         |    |
| 3                        | DWH-1 MECHANICAL 115      | 20 A           | 1     |                    | 600 VA  | 300 VA           | 1       | 20 A                        | EF-6 EXTERIOR BUILDING             | 4                         |    |
| 5                        | DWH-1 MECHANICAL 115      | 20 A           | 1     |                    |         | 600 VA           | 0 VA    | 1                           | 20 A                               | EF-3 ROOF TOP             | 6  |
| 7                        | CP-1 MECHANICAL 115       | 20 A           | 1     | 62 VA              | 360 VA  |                  | 1       | 20 A                        | Receptacle ROOF TOP                | 8                         |    |
| 9                        | DWH-157 MECHANICAL 214    | 20 A           | 1     |                    | 600 VA  | 180 VA           | 1       | 20 A                        | Receptacle GENERATOR ROOF TOP      | 10                        |    |
| 11                       | EF-2 MECHANICAL 214       | 20 A           | 1     |                    |         | 300 VA           | 1500... | 1                           | 20 A                               | GENERATOR HEATER ROOF TOP | 12 |
| 13                       | SPARE                     | 20 A           | 1     | 0 VA               | 240 VA  |                  | 1       | 20 A                        | GENERATOR BATTERY CHARGER ROOF TOP | 14                        |    |
| 15                       | SPARE                     | 20 A           | 1     |                    | 0 VA    | 0 VA             | 1       | 20 A                        | SPARE                              | 16                        |    |
| 17                       | SPARE                     | 20 A           | 1     |                    |         | 0 VA             | 0 VA    | 1                           | 20 A                               | SPARE                     | 18 |
| 19                       | SPARE                     | 20 A           | 1     | 0 VA               | 499 VA  |                  | 2       | 20 A                        | EH-2 OFFICE 202                    | 20                        |    |
| 21                       | SPARE                     | 20 A           | 1     |                    | 0 VA    | 499 VA           |         | 2                           | 20 A                               | EH-2 OFFICE 203           | 22 |
| 23                       | SPARE                     | 20 A           | 1     | 0 VA               | 499 VA  |                  | 2       | 20 A                        | EH-2 OFFICE 203                    | 24                        |    |
| 25                       | SPARE                     | 20 A           | 1     | 0 VA               | 499 VA  |                  | 2       | 20 A                        | EH-2 OFFICE 203                    | 26                        |    |
| 27                       | EH-4C STAIR 100A          | 20 A           | 2     |                    | 1737... | 499 VA           | 2       | 20 A                        | EH-2 PROPERTY MANAGER 204          | 28                        |    |
| 29                       |                           |                |       |                    |         |                  |         |                             |                                    | 30                        |    |
| 31                       | EH-4B STAIR 100B          | 20 A           | 2     | 1737...            | 1737... |                  | 2       | 20 A                        | EH-4F STAIR 300A                   | 32                        |    |
| 33                       |                           |                |       |                    | 1737... | 1737...          | 2       | 20 A                        | EH-4F STAIR 300A                   | 34                        |    |
| 35                       | EH-4A STAIR 100C          | 20 A           | 2     | 1737...            | 1737... |                  | 2       | 20 A                        | EH-4E STAIR 300B                   | 36                        |    |
| 37                       |                           |                |       |                    |         |                  |         |                             |                                    | 38                        |    |
| 39                       | AIO-2 COMM RM 117         | 30 A           | 2     |                    | 1700... | 1737...          | 2       | 20 A                        | EH-4D STAIR 300C                   | 40                        |    |
| 41                       |                           |                |       |                    |         |                  |         |                             |                                    | 42                        |    |
| 43                       | AIO-2 COMM RM 117         | 30 A           | 2     | 1700...            | 749 VA  |                  | 2       | 20 A                        | EH-5A LAUNDRY 314                  | 44                        |    |
| 45                       |                           |                |       |                    | 1700... | 749 VA           | 2       | 20 A                        | EH-5A LAUNDRY 314                  | 46                        |    |
| 47                       | AIO-2 COMM RM 117         | 30 A           | 2     |                    | 1700... | 749 VA           | 2       | 20 A                        | EH-5B LAUNDRY 415                  | 48                        |    |
| 49                       |                           |                |       |                    | 1700... | 749 VA           | 2       | 20 A                        | EH-5B LAUNDRY 415                  | 50                        |    |
| 51                       | EH-1 UNISEX 122           | 20 A           | 2     |                    | 562 VA  | 749 VA           | 2       | 20 A                        | EH-5C LAUNDRY 515                  | 52                        |    |
| 53                       |                           |                |       |                    |         | 562 VA           | 749 VA  | 2                           | 20 A                               | EH-5C LAUNDRY 515         | 54 |
| 55                       |                           |                |       | 2297...            | 2297... |                  | 3       | 20 A                        | RTU-1B ROOF TOP                    | 56                        |    |
| 57                       | RTU-1A ROOF TOP           | 30 A           | 3     |                    | 2297... | 2297...          | 3       | 20 A                        | RTU-1B ROOF TOP                    | 58                        |    |
| 59                       |                           |                |       |                    |         | 2297...          | 2297... |                             |                                    | 60                        |    |
| Total Load:              |                           |                |       | 18999 VA           |         | 19678 VA         |         | 20398 VA                    |                                    |                           |    |
| Total Amps:              |                           |                |       | 158 A              |         | 165 A            |         | 171 A                       |                                    |                           |    |
| Legend:                  |                           |                |       |                    |         |                  |         |                             |                                    |                           |    |
|                          |                           |                |       |                    |         |                  |         |                             |                                    |                           |    |
| Load Classification      |                           | Connected Load |       | Demand Factor      |         | Estimated Demand |         | Panel Totals                |                                    |                           |    |
| Receptacle               |                           | 13080 VA       |       | 88.23%             |         | 11540 VA         |         |                             |                                    |                           |    |
| Equipment                |                           | 45995 VA       |       | 100.00%            |         | 45995 VA         |         | Total Conn. Load: 59075 VA  |                                    |                           |    |
|                          |                           |                |       |                    |         |                  |         | Total Est. Demand: 57535 VA |                                    |                           |    |
|                          |                           |                |       |                    |         |                  |         | Total Conn.: 164 A          |                                    |                           |    |
|                          |                           |                |       |                    |         |                  |         | Total Est. Demand: 160 A    |                                    |                           |    |
|                          |                           |                |       |                    |         |                  |         |                             |                                    |                           |    |
| Notes:                   |                           |                |       |                    |         |                  |         |                             |                                    |                           |    |

Branch Panel: EL

Location: ELECTRICAL 112

Supply From: ATS-EL

Mounting: SURFACE

Enclosure: NEMA 1

Volts: 120/208 Wye

Phases: 3

Wires: 4

A.I.C. Rating: 22KAIC

Mains Type: MLO

Mains Rating: 100 A

MCB Rating: 0 A

Notes:

PANEL SUPPLY FROM SWB AND GENERATOR VI A ATS-EL

| CKT         | Circuit Description                   | Trip | Poles | A       | B       | C       | Poles   | Trip    | Circuit Description | CKT                                   |    |
|-------------|---------------------------------------|------|-------|---------|---------|---------|---------|---------|---------------------|---------------------------------------|----|
| 1           | MASTER PANEL A.O.R. OFFICE 203        | 20 A | 1     | 600 VA  | 600 VA  |         |         | 1       | 20 A                | FIRE ALARM CONTROL PANEL OFFICE AREA  | 2  |
| 3           | ADA DOOR OPERATOR VESTIBULE 102       | 20 A | 1     |         | 360 VA  | 0 VA    |         | 1       | 20 A                | SPARE                                 | 4  |
| 5           | SPARE                                 | 20 A | 1     |         |         | 0 VA    | 0 VA    | 1       | 20 A                | SPARE                                 | 6  |
| 7           | SPARE                                 | 20 A | 1     | 0 VA    | 0 VA    |         |         | 1       | 20 A                | SPARE                                 | 8  |
| 9           | SPARE                                 | 20 A | 1     |         | 0 VA    | 0 VA    |         | 1       | 20 A                | SPARE                                 | 10 |
| 11          | ELEVATOR CONTROLLER ELEVATOR LOBBY... | 20 A | 1     |         |         | 300 VA  | 1200... | 1       | 20 A                | FIRE PUMP CONTROLLER MECHANICAL 115   | 12 |
| 13          |                                       |      |       | 3853... | 2367... |         |         |         |                     |                                       | 14 |
| 15          | ELEVATOR MOTOR LOBBY 502              | 70 A | 3     |         | 3853... | 2367... |         | 3       | 30 A                | JOCKEY PUMP CONTROLLER MECHANICAL 115 | 16 |
| 17          |                                       |      |       |         |         | 3853... | 2367... |         |                     |                                       | 18 |
| Total Load: |                                       |      |       | 7420 VA |         | 6580 VA |         | 7720 VA |                     |                                       |    |
| Total Amps: |                                       |      |       | 63 A    |         | 55 A    |         | 65 A    |                     |                                       |    |

Legend:

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals                |
|---------------------|----------------|---------------|------------------|-----------------------------|
| Other               | 180 VA         | 100.00%       | 180 VA           |                             |
| Lighting            | 300 VA         | 125.00%       | 375 VA           | Total Conn. Load: 21119 VA  |
| Receptacle          | 780 VA         | 100.00%       | 780 VA           | Total Est. Demand: 21194 VA |
| Equipment           | 19859 VA       | 100.00%       | 19859 VA         | Total Conn.: 59 A           |
|                     |                |               |                  | Total Est. Demand: 59 A     |
|                     |                |               |                  |                             |
|                     |                |               |                  |                             |

Notes:

Branch Panel: EM

Location: ELECTRICAL 112

Supply From: ATS-EM

Mounting: SURFACE

Enclosure: NEMA 1

Volts: 120/208 Wye

Phases: 3

Wires: 4

A.I.C. Rating: 22KAIC

Mains Type: MLO

Mains Rating: 100 A

MCB Rating: 0 A

Notes:

PANEL SUPPLY FROM SWB AND GENERATOR VI A ATS-EM

| CKT         | Circuit Description                | Trip | Poles | A       |          | B       |        | C       |        | Poles | Trip | Circuit Description                | CKT |
|-------------|------------------------------------|------|-------|---------|----------|---------|--------|---------|--------|-------|------|------------------------------------|-----|
| 1           | Lighting STAIR 100A-500A           | 20 A | 1     | 357 VA  | 1197 ... |         |        |         |        | 1     | 20 A | Lighting CORRIDOR 201              | 2   |
| 3           | Lighting STAIR 100B-500B           | 20 A | 1     |         |          | 361 VA  | 843 VA |         |        | 1     | 20 A | Lighting CORRIDOR 301              | 4   |
| 5           | Lighting STAIR 100C-500C           | 20 A | 1     |         |          |         |        | 361 VA  | 831 VA | 1     | 20 A | Lighting CORRIDOR 401,RMS 414,415  | 6   |
| 7           | Lighting RMS 101,112,115,116       | 20 A | 1     | 1300... | 857 VA   |         |        |         |        | 1     | 20 A | Lighting CORRIDOR 501, RMS 515,516 | 8   |
| 9           | Lighting TIME CLOCK ELECTRICAL 112 | 20 A | 1     |         |          | 500 VA  | 44 VA  |         |        | 1     | 20 A | Lighting ELEVATOR                  | 10  |
| 11          | Lighting RMS 112-116, 122          | 20 A | 1     |         |          |         |        | 1375... | 792 VA | 1     | 20 A | Lighting EXTERIOR                  | 12  |
| 13          | Lighting COMM RM 117               | 20 A | 1     | 630 VA  | 0 VA     |         |        |         |        | 1     | 20 A | SPARE                              | 14  |
| 15          | SPARE                              | 20 A | 1     |         |          | 0 VA    | 0 VA   |         |        | 1     | 20 A | SPARE                              | 16  |
| 17          | SPARE                              | 20 A | 1     |         |          |         |        | 0 VA    | 0 VA   | 1     | 20 A | SPARE                              | 18  |
| Total Load: |                                    |      |       | 4341 VA |          | 1748 VA |        | 3359 VA |        |       |      |                                    |     |
| Total Amps: |                                    |      |       | 38 A    |          | 15 A    |        | 30 A    |        |       |      |                                    |     |

Legend:

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals       |          |
|---------------------|----------------|---------------|------------------|--------------------|----------|
| Lighting            | 8548 VA        | 125.00%       | 10684 VA         |                    |          |
| Equipment           | 900 VA         | 100.00%       | 900 VA           | Total Conn. Load:  | 9448 VA  |
|                     |                |               |                  | Total Est. Demand: | 11584 VA |
|                     |                |               |                  | Total Conn.:       | 26 A     |
|                     |                |               |                  | Total Est. Demand: | 32 A     |

Notes:

Panel : GENERATOR

Location: ROOF

Mounting: ROOF TOP

Enclosure: LEVEL 1 ACOUSTIC...

Volts: 120/208 Wye

Phases: 3

Wires: 4

Notes:

NATURAL GAS FUEL CONSUMPTION (100% LOAD): 752 CUBIC FEET/HOUR, 139 FLA, 40kW / 50 kVA

|                   |                     |            |            |             |          |         |
|-------------------|---------------------|------------|------------|-------------|----------|---------|
| CKT               | Circuit Description | # of Poles | Frame Size | Trip Rating | Load     | Remarks |
| 1                 | ATS-EL              | 3          | 125 A      | 100 A       | 21719 VA |         |
| 2                 | ATS-EM              | 3          | 125 A      | 100 A       | 9448 VA  |         |
| Total Conn. Load: |                     |            |            |             | 30567 VA |         |
| Total Amps:       |                     |            |            |             | 85 A     |         |

Legend:

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals       |          |
|---------------------|----------------|---------------|------------------|--------------------|----------|
| Other               | 180 VA         | 100.00%       | 180 VA           |                    |          |
| Lighting            | 8848 VA        | 125.00%       | 11059 VA         | Total Conn. Load:  | 30567 VA |
| Receptacle          | 780 VA         | 100.00%       | 780 VA           | Total Est. Demand: | 32778 VA |
| Equipment           | 20759 VA       | 100.00%       | 20759 VA         | Total Conn.:       | 85 A     |
|                     |                |               |                  | Total Est. Demand: | 91 A     |
|                     |                |               |                  |                    |          |
|                     |                |               |                  |                    |          |

Notes:

| BRANCH CIRCUIT VOLTAGE DROP WIRING SCHEDULE - SINGLE PHASE CIRCUITS                                                                                                                                                                                                                                                                                                                                                                              |                 |                                      |              |             |              |              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------|--------------|-------------|--------------|--------------|
| BRANCH CIRCUIT RATING (AMPS)                                                                                                                                                                                                                                                                                                                                                                                                                     | WIRE SIZE (AWG) | MAXIMUM BRANCH CIRCUIT LENGTH (FEET) |              |             |              |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 | 120V (VOLTS)                         | 208V (VOLTS) | 240 (VOLTS) | 277V (VOLTS) | 480V (VOLTS) |
| 20A                                                                                                                                                                                                                                                                                                                                                                                                                                              | 12              | 83                                   | 143          | 165         | 191          | 331          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 10              | 128                                  | 222          | 256         | 295          | 511          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8               | 201                                  | 348          | 402         | 464          | 804          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6               | 313                                  | 542          | 625         | 721          | 1250         |
| 30A                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10              | 85                                   | 148          | 170         | 197          | 341          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8               | 134                                  | 232          | 268         | 309          | 536          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6               | 208                                  | 361          | 417         | 481          | 833          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4               | 313                                  | 542          | 625         | 721          | 1250         |
| NOTES:                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |                                      |              |             |              |              |
| 1. THE ABOVE TABLE VALUES ARE BASED ON COPPER CONDUCTORS, IN STEEL CONDUIT, WITH A LOAD FACTOR OF .85 PER NEC CHAPTER 9, TABLE 9.                                                                                                                                                                                                                                                                                                                |                 |                                      |              |             |              |              |
| 2. PROVIDE BRANCH CIRCUIT CONDUCTORS AS INDICATED IN THE TABLE ABOVE FOR LIGHTING AND RECEPTACLE BRANCH CIRCUITS. WHERE BRANCH CIRCUITS SERVE DEDICATED EQUIPMENT, THE CONTRACTOR MAY PERFORM VOLTAGE DROP CALCULATIONS BASED ON ACTUAL EQUIPMENT CONNECTED LOAD AND PROVIDE CONDUCTORS APPROPRIATELY SIZED TO LIMIT VOLTAGE DROP TO A MAXIMUM OF 3%. CONDUCTOR SIZES ARE BASED ON MAXIMUM OF 9 CURRENT CARRYING CONDUCTORS IN A SINGLE CONDUIT. |                 |                                      |              |             |              |              |
| 3. LIMITS FOR CONDUCTOR LENGTHS SHOWN ARE BASED ON A MAXIMUM BRANCH CIRCUIT LOADING OF 64% OF THE BRANCH BREAKER RATING AND A MAXIMUM OF 3% VOLTAGE DROP TO COMPLY WITH ASHRAE 90.1 AND THE NEC. FOR CIRCUITS LOADED GREATER THAN 64% OF BRANCH BREAKER RATING, THE CONTRACTOR SHALL PROVIDE CONDUCTORS APPROPRIATELY SIZED TO LIMIT VOLTAGE DROP TO 3%.                                                                                         |                 |                                      |              |             |              |              |

