



## Jones Gillam Renz Architects

### Address

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Salina, KS 67401

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## ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS

JONES GILLAM RENZ DOCUMENT JGR 710

<b>PROJECT:</b>	<b>Roosevelt Lofts</b> Historic Rehabilitation San Angelo, TX	<b>Report No.</b>	<b>Four (4)</b>
<b>OWNER:</b>	<b>Overland Property Group</b> 234 N. Santa Fe Ave, Suite A Salina, KS 67401	<b>Date</b>	<b>May 29, 2024</b>
<b>CONTRACTOR:</b>	<b>MCP Group</b> 3501 SW Fairlawn Rd. Topeka, KS 66614	<b>Architect's Proj No.</b>	<b>22-3281</b>
		<b>Contract For:</b>	General Construction Mechanical, Electrical

The work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Prior to proceeding in accordance with these instructions, indicate your acceptance of these instructions for minor change to the Work as consistent with the Contract Documents and return a copy to the Architect.

### DESCRIPTION:

- 1) Contractor to make adjustments as needed and required per the modifications as indicated on revised attached drawings and in the below descriptions.
  - a. Sheet CFP2 – Occupant Load Factor Chart has been updated to show 150 occupants/sf for Office Space.
  - b. Sheet A2.3 – A2.8
    - i. Elevator shaft size (width) has been reduced from 7'-8" (original designs) to 7'-4" to coordinate with elevator manufacturer's details/shop drawings. East wall of shaft shifts 4" to the west. The location of the west shaft wall does not change per the original designs.
  - c. Two radon pipes have been added to the building – Reference below sheets for locations, and attached sheet ASI 4.1 for section and details.
    - i. Sheet A2.3 – Added radon pipe in M/E #108.
    - ii. Sheet A2.4 – Added radon pipe in Mechanical Closet at Apt. 6 (#122).
    - iii. Sheet A2.5 – Added radon pipe in M/E #206.
    - iv. Sheet A2.6 – Added radon pipe, buried in wall behind laundry, Apt. 15 (#211)
    - v. Sheet A2.7 – Added radon pipe in M/E #306.
    - vi. Sheet A2.8 – Added radon pipe, buried in wall behind laundry, Apt. 24 (#312)
    - vii. Sheet A5.1 – Added (2) radon pipe penetrations at the roof
    - viii. Sheet A7.2 – Added an access panel to the ceiling of the laundry room in Apt. 24 (#312). Added Note #4.
  - d. Sheet A6.1
    - i. Details A, B, C & D - Elevator shaft size (width) has been reduced from 7'-8" (original designs) to 7'-4" to coordinate with elevator manufacturer's details/shop drawings. East wall of shaft shifts 4" to the west. The location of the west shaft wall does not change per the original designs.
    - ii. Detail E – Floor structure note has been revised.
    - iii. Detail F
      1. Elevator rough door openings have been raised to coordinate with elevator manufacturer's details/shops drawings.
      2. Floor structure has been adjusted to coordinate with structural drawings.
      3. Elevator Pit has been lowered to coordinate with elevator manufacturer's details/shops drawings.
      4. Pit ladder has been revised to coordinate with elevator manufacturer's details/shop drawings.
  - e. Sheet A10.2
    - i. Door 122 (into M/E 119) is required to have panic hardware. Note 13 has been added.
  - f. Sheet S4.0
    - i. Elevator Pit has been lowered to coordinate with elevator manufacturer's details/shops drawings.
    - ii. Elevator shaft size (width) has been reduced from 7'-8" (original designs) to 7'-4" to coordinate with elevator manufacturer's details/shop drawings. East wall of shaft shifts 4" to the west. The location of the west shaft wall does not change per the original designs.
    - iii. Elevator rough door openings have been raised to coordinate with elevator manufacturer's details/shops drawings.
    - iv. Reinforcing at elevator shaft has been revised.
  - g. Sheet E1.1
    - i. increased sizes of utility service tap box and service disconnect switch 'HDS' on plan.

- h. Sheet E1.3
  - i. Added elevator hoistway light, receptacle, and main line power to elevator controller.
  - ii. Added elevator cab lights disconnect switch in M/E 206
- i. Sheet E1.5
  - i. Removed power, lighting, and receptacle from elevator hoistway
  - ii. Added receptacle in Room M/E 306 for future radon fan.
  - iii. Removed Elevator power disconnect switch and cab lighting disconnect switch from M/E 306
- j. Sheet E1.6
  - i. Added receptacle above ceiling of Apt. 24, Room 312, for future radon fan.
- k. Sheet E1.9
  - i. Added fire alarm relay and monitoring modules for elevator power shunt trip to M/E 119
  - ii. Added general note about licensing requirements for fire protection work and submission of fire protection plans.
- l. Sheet E1.10
  - i. Added fire alarm relays for elevator recall and fireman's hat, along with telephone line connection to elevator controller.
- m. Sheet E1.12
  - i. Removed fire alarm relays and monitoring modules for elevator recall, fireman's hat, and shunt trip of main line power.
- n. Sheet E6.1
  - i. Modified service equipment power riser diagram to increase house service to 800 amps
  - ii. Modified house distribution power riser diagram to show power feeder to elevator controller at second floor landing.
  - iii. Added "Elevator Recall and Shut-Down Wiring Diagram".
- o. Sheet E6.3
  - i. Modified panel schedules 'H1', 'H2', 'H3', and 'MDP'.

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**Attachments:**

1. Sheet ASI 4.1 (11x17) - New
2. Revised Arch Sheets CFP2, A2.3, A2.4, A2.5, A2.6, A2.7, A2.8, A5.1, A6.1, A7.2 A10.2
3. Revised Structural Sheet S4.0
4. Revised Electrical Sheets E1.1, E1.3, E1.5, E1.6 E1.9, E1.10, E1.12, E6.1, E6.3

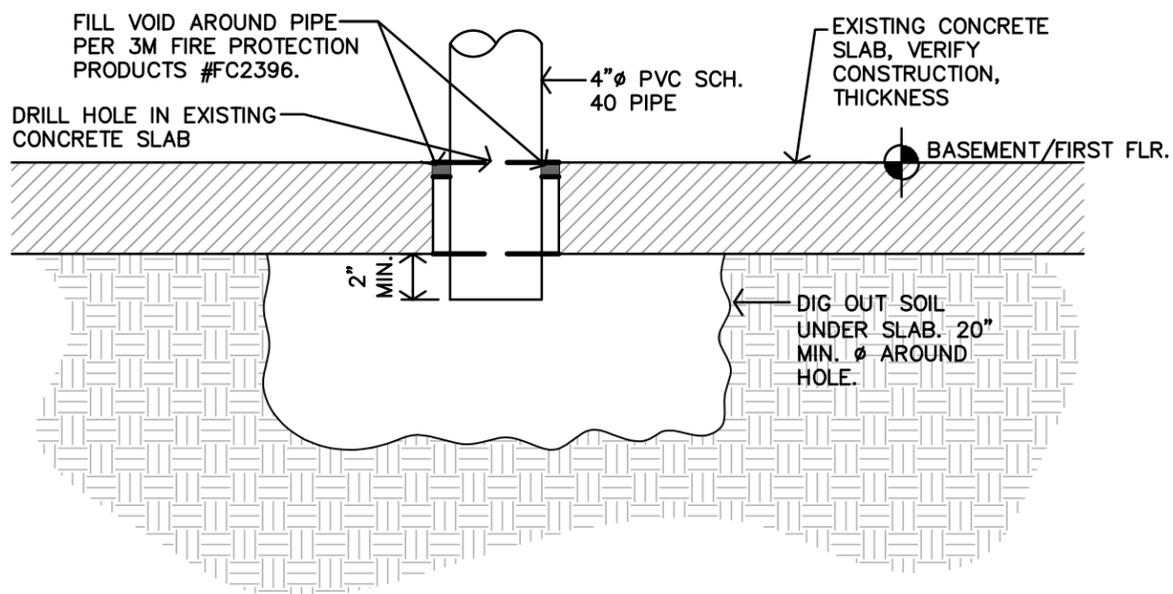
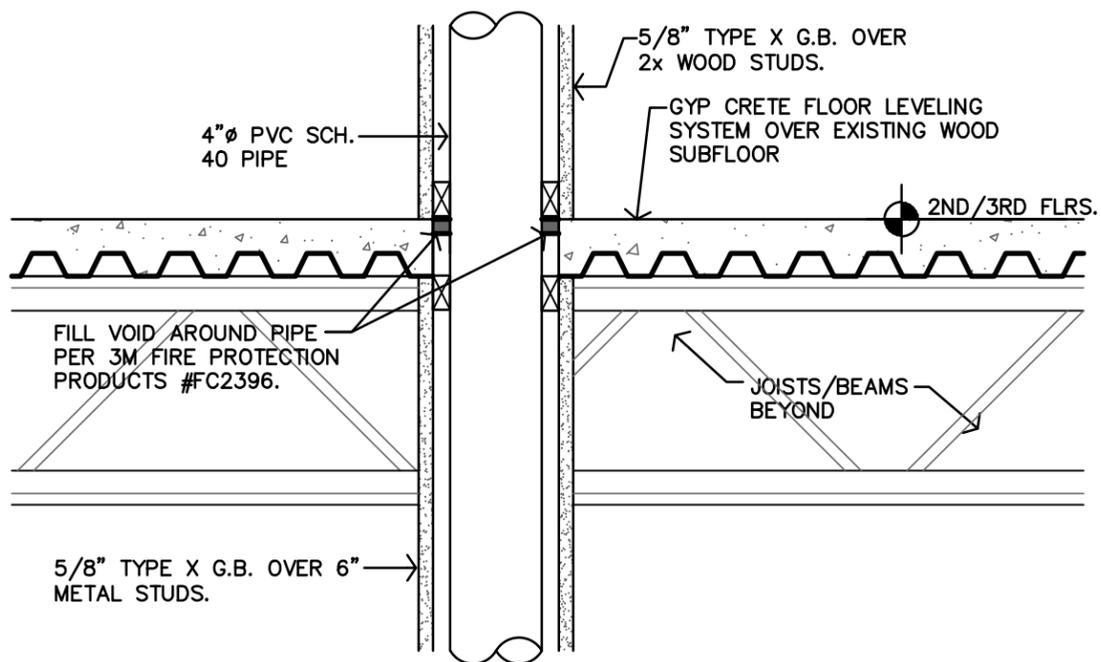
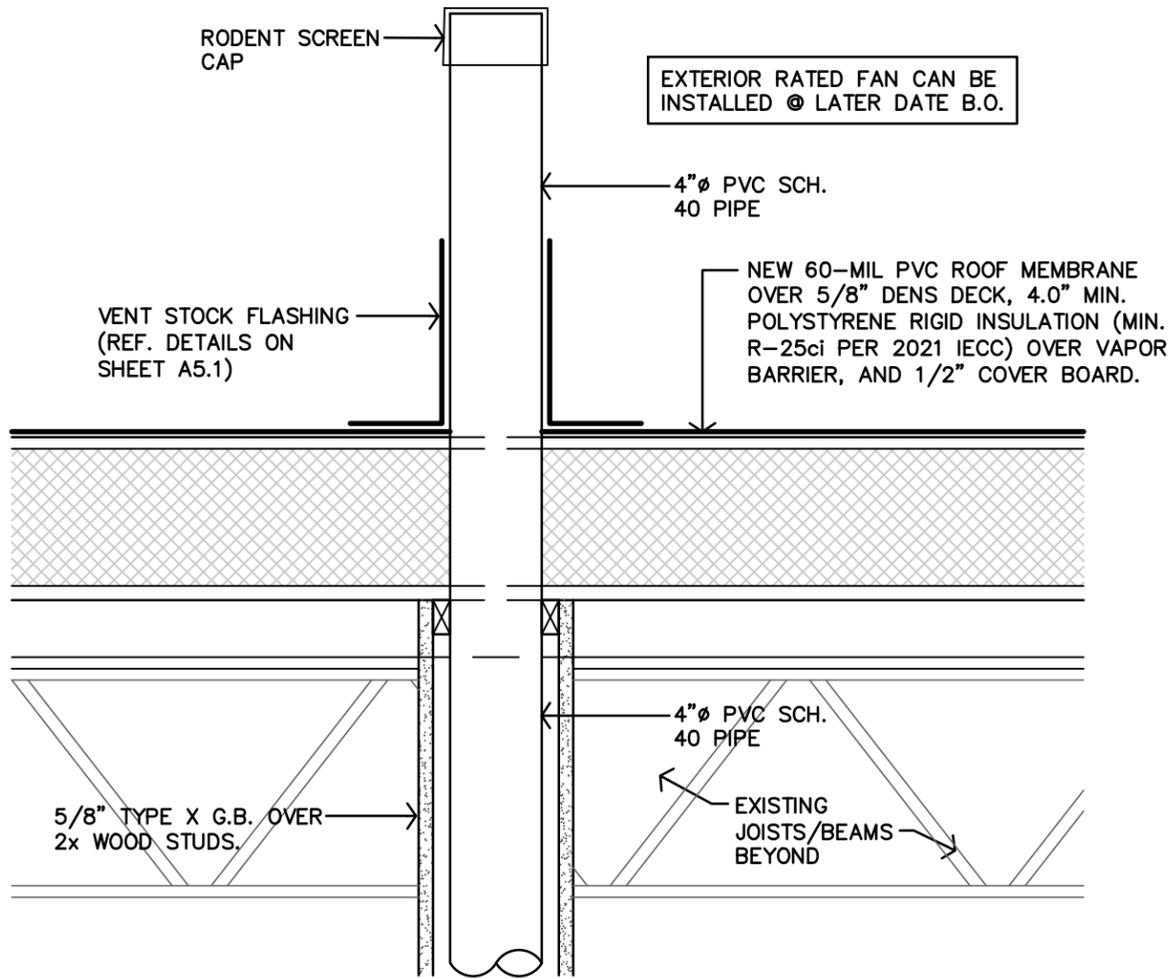
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**Issued by:** Jones Gillam Renz Architects PO Box 2928, Salina, KS 67402  
Maggie Gillam, Project Manager 785-827-0386 mgillam@jgrarchitects.com

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**Copies to:**

MCP Group - Eric Hubener, Will Allen  
OPG - Dan Maximuk, April Engstrom  
JGR Architect/Project Manager - Maggie Gillam  
LST - Brian Ochs  
Structural - Brent Engelland



**A**

**RADON PIPE DETAIL**

1-1/2"=1'-0"



REVISION:

2	2-23-2024
3	5-8-2024
4	5-29-2024

DATE: 1-16-2024  
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 SHEET NO.:

**LEGEND**

DESIGNATED EMERGENCY EXIT

68' / 24.4' ← EXIT WIDTH (ACTUAL/REQUIRED)  
 122 / 340 ← OCCUPANT LOAD (ACTUAL/ALLOWED)

1 HOUR CONSTRUCTION  
 1/2 HOUR FIRE PARTITION, CORRIDOR (PER IBC TABLE 1020.2)  
 W/ 20 MIN OPENINGS (PER IBC TABLE 716.1(2))

1 HOUR FIRE PARTITION; BETWEEN DWELLING UNITS & TENANT SPACES  
 W/ 45 MIN OPENINGS (PER IBC 708.3 & 716.1(2))

1 HOUR CONSTRUCTION; EXIT ENCLOSURE, SHAFT WALLS,  
 W/ 60 MIN OPENINGS (PER IBC TABLE 716.1(2))

EXIT LIGHT  
 EXIT/EMERGENCY LIGHT  
 EMERGENCY LIGHT  
 FIRE EXTINGUISHER

FIRE HYDRANT/FIRE DEPARTMENT CONNECTION  
 FIRE ALARM REMOTE ANNUNCIATOR PANEL  
 FIRE ALARM CONTROL PANEL  
 KNOX BOX

OCCUPANCY GROUP (AU - ACCESSORY USE)  
 OCCUPANCY USE  
 ROOM SQUARE FOOTAGE/OCCUPANT LOAD FACTOR  
 OCCUPANT LOAD/REQUIRED NUMBER OF EXITS

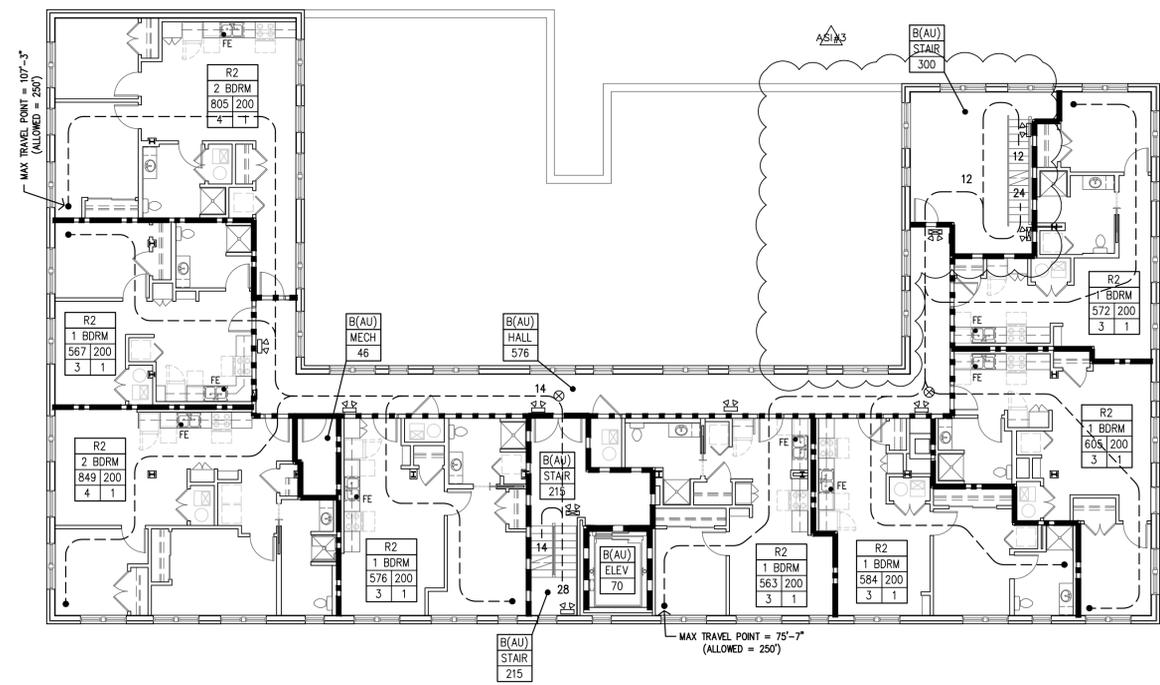
R-2	APARTMENT	1,000	200	5	1
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EXITS - REF PLANS ON THIS SHEET

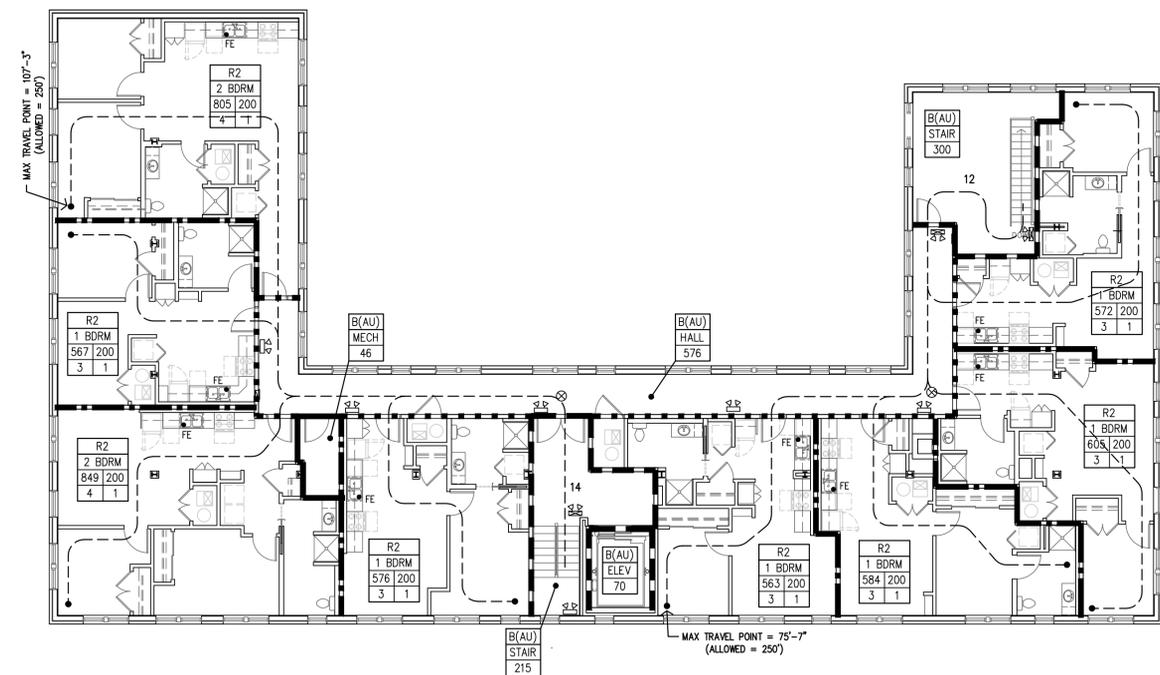
OCCUPANT LOAD: 146 TOTAL  
 FIRST FLOOR: 94 TOTAL  
 SECOND FLOOR: 26 TOTAL  
 THIRD FLOOR: 26 TOTAL

OCCUPANT LOAD FACTORS

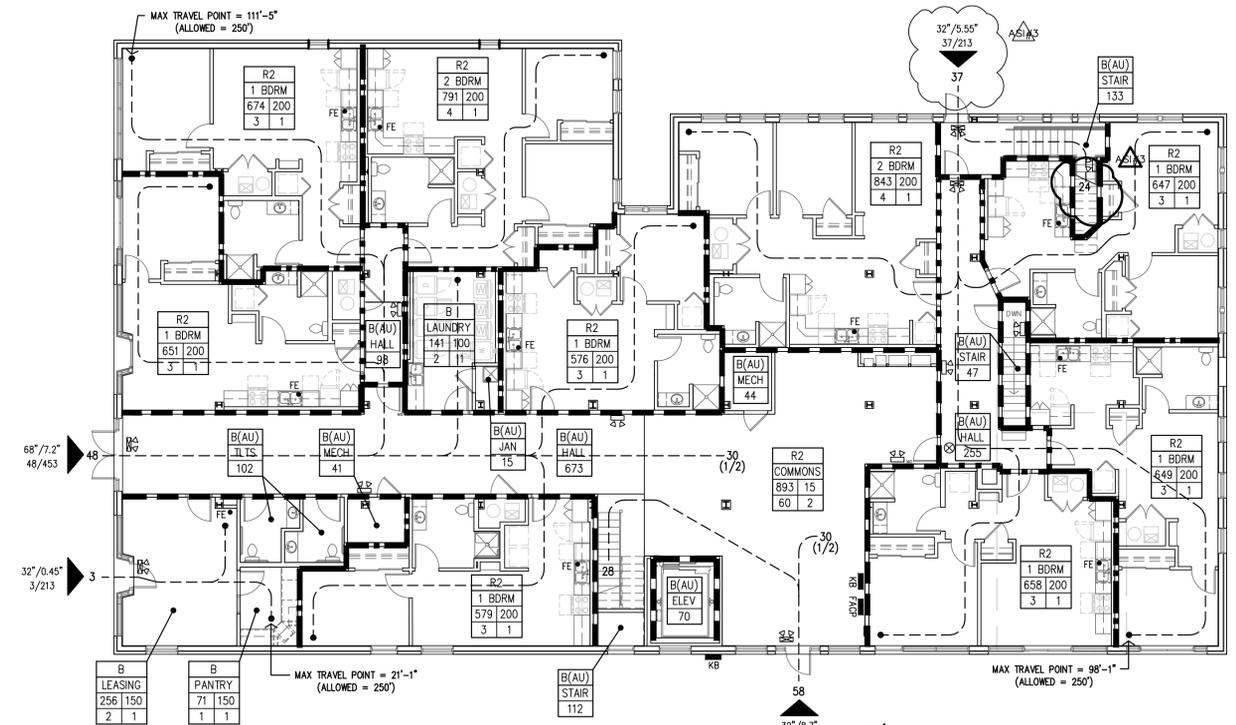
OCCUPANCY	USE	LOAD FACTOR	MAX. OCC LD=1 EXIT
B	COMMONS	15 sf/OCCUPANT	49
B	OFFICE	150 sf/OCCUPANT	49
B	MECH/ELEC	300 sf/OCCUPANT	49
R-2	APARTMENT	200 sf/OCCUPANT	10



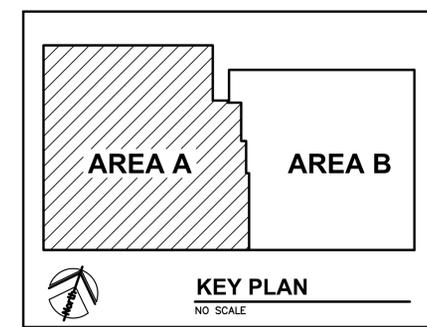
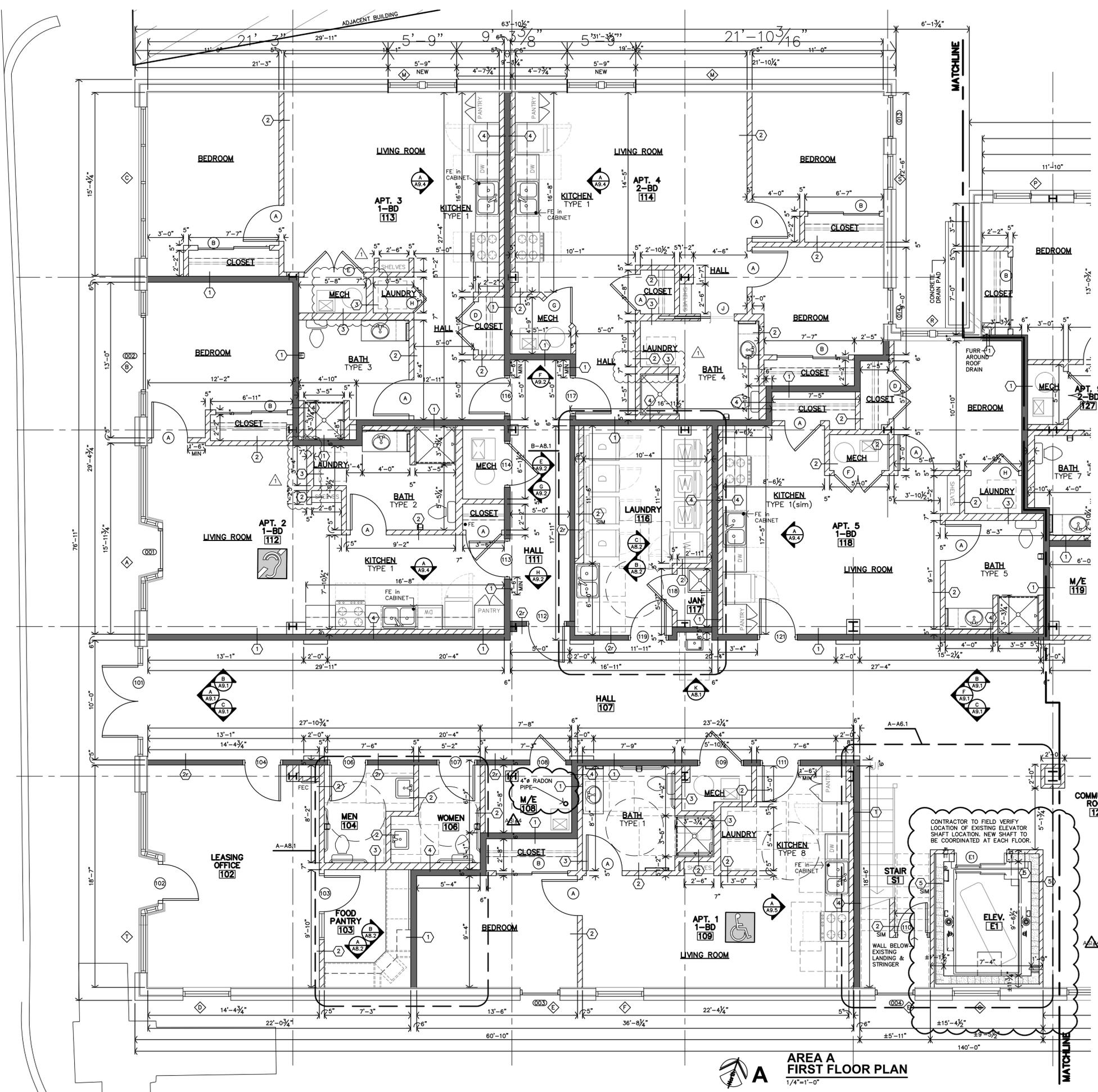
**B SECOND FLOOR PLAN**  
 3/32"=1'-0"



**C THIRD FLOOR PLAN**  
 3/32"=1'-0"



**A FIRST FLOOR PLAN**  
 3/32"=1'-0"

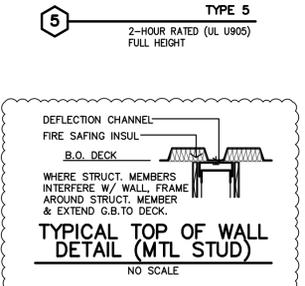
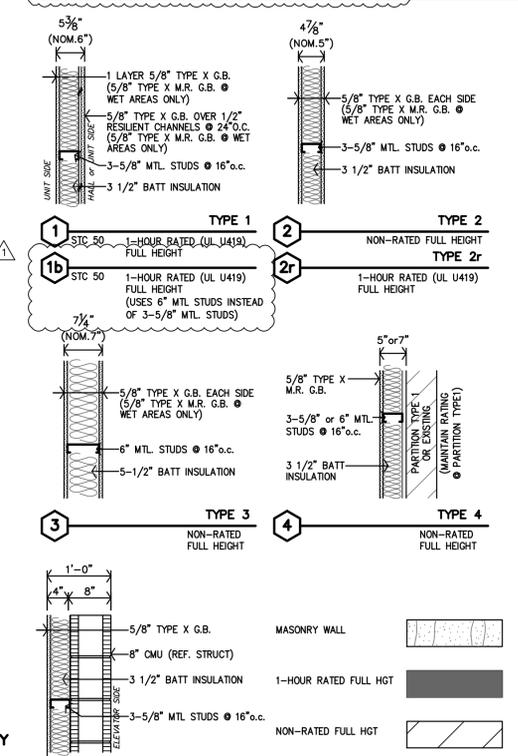


**PLAN NOTES**

1. REF. SHEET A2.0 FOR UNIT GENERAL NOTES PARTITION SCHEDULE, KITCHEN/BATH MATRIX AND STANDARD DETAILS.

**PARTITION SCHEDULE**

- ALL WALLS TO BE EXTEND TO STRUCTURE, UNLESS NOTED OR DETAILED OTHERWISE
- LOAD BEARING WALLS & FIRE PARTITIONS SHALL EXTEND TO DECK, SEALED SMOKE TIGHT.
- REF. SHEETS, G.E.P., A7.1 & A7.2 FOR BATED WALLS, LOCATIONS & CODE INFORMATION
- ALTERNATE: INSTALL METAL STUDS IN PLACE OF WOOD STUDS.
  - 2x4 WOOD STUDS = 3-5/8" METAL STUDS
  - 2x6 WOOD STUDS = 6" METAL STUDS



**AREA A FIRST FLOOR PLAN**  
1/4"=1'-0"

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JGR

ROOSEVELT LOFTS

HISTORIC REHABILITATION - APARTMENTS

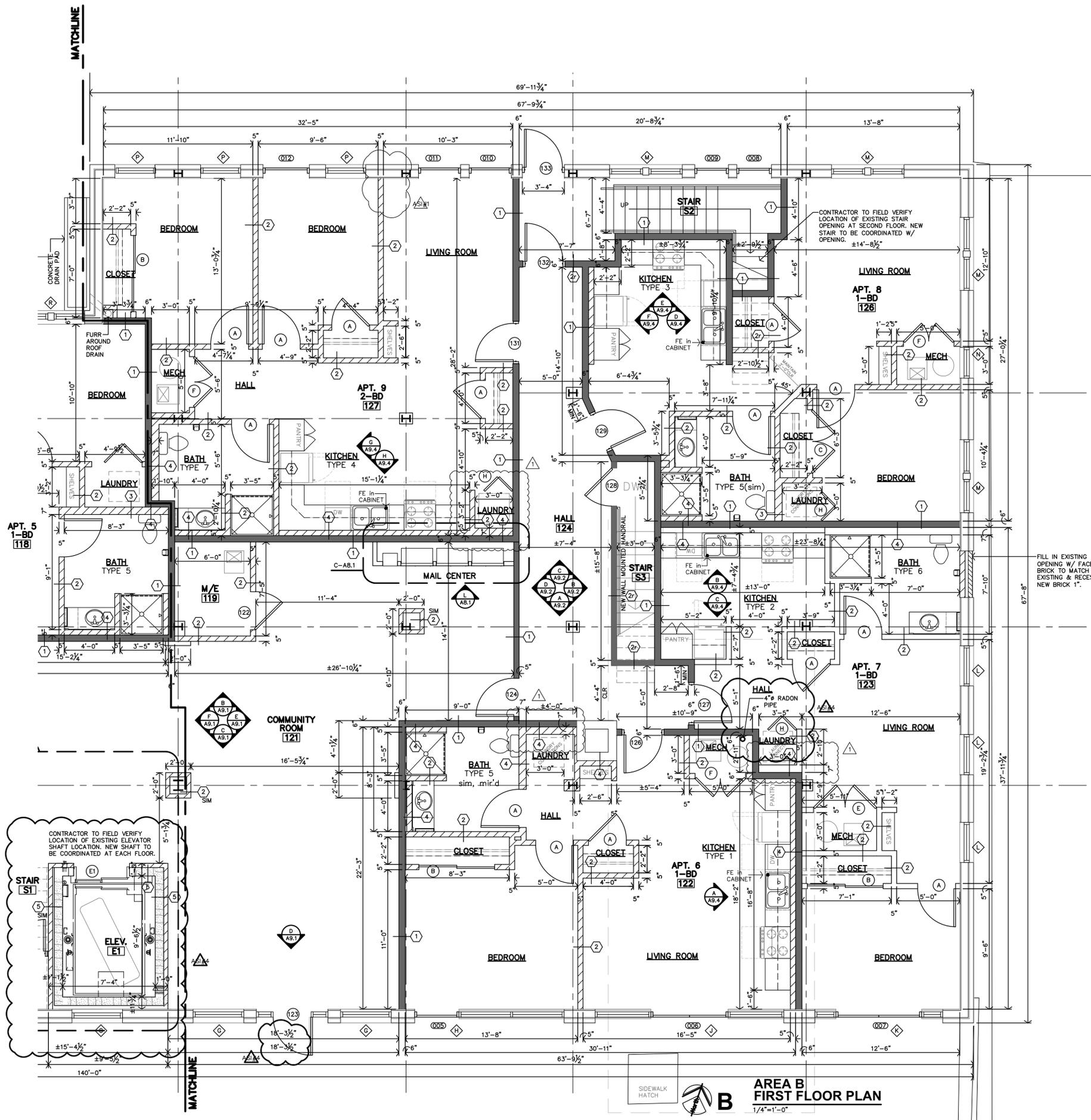
SAN ANGELO, TEXAS

REVISION:  
 2-20-2024  
 2-23-2024  
 5-29-2024

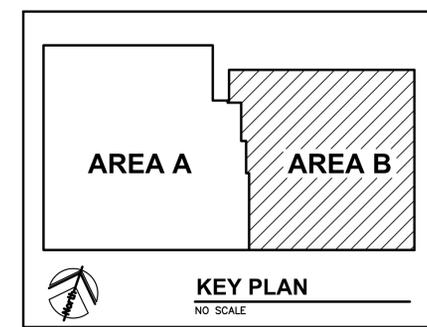
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A2.3

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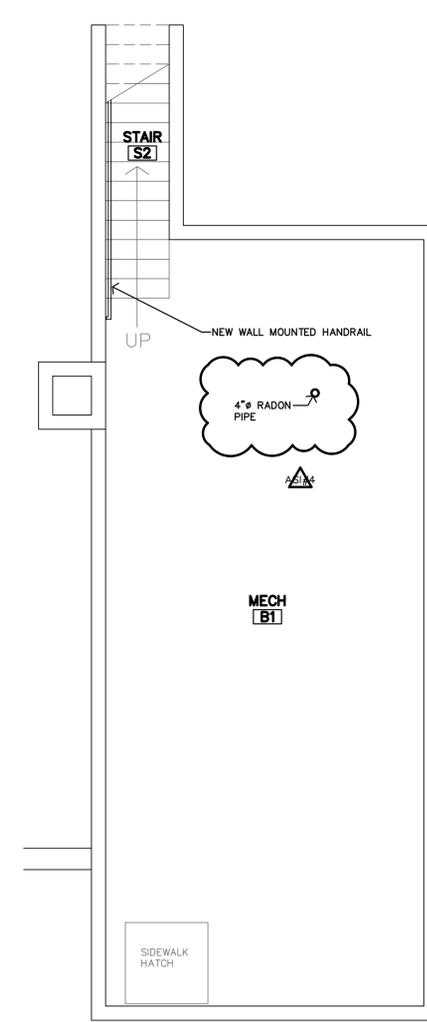


**AREA B**  
FIRST FLOOR PLAN  
1/4"=1'-0"



**PLAN NOTES**

- REF SHEET A2.0 FOR UNIT GENERAL NOTES PARTITION SCHEDULE, KITCHEN/BATH MATRIX AND STANDARD DETAILS.



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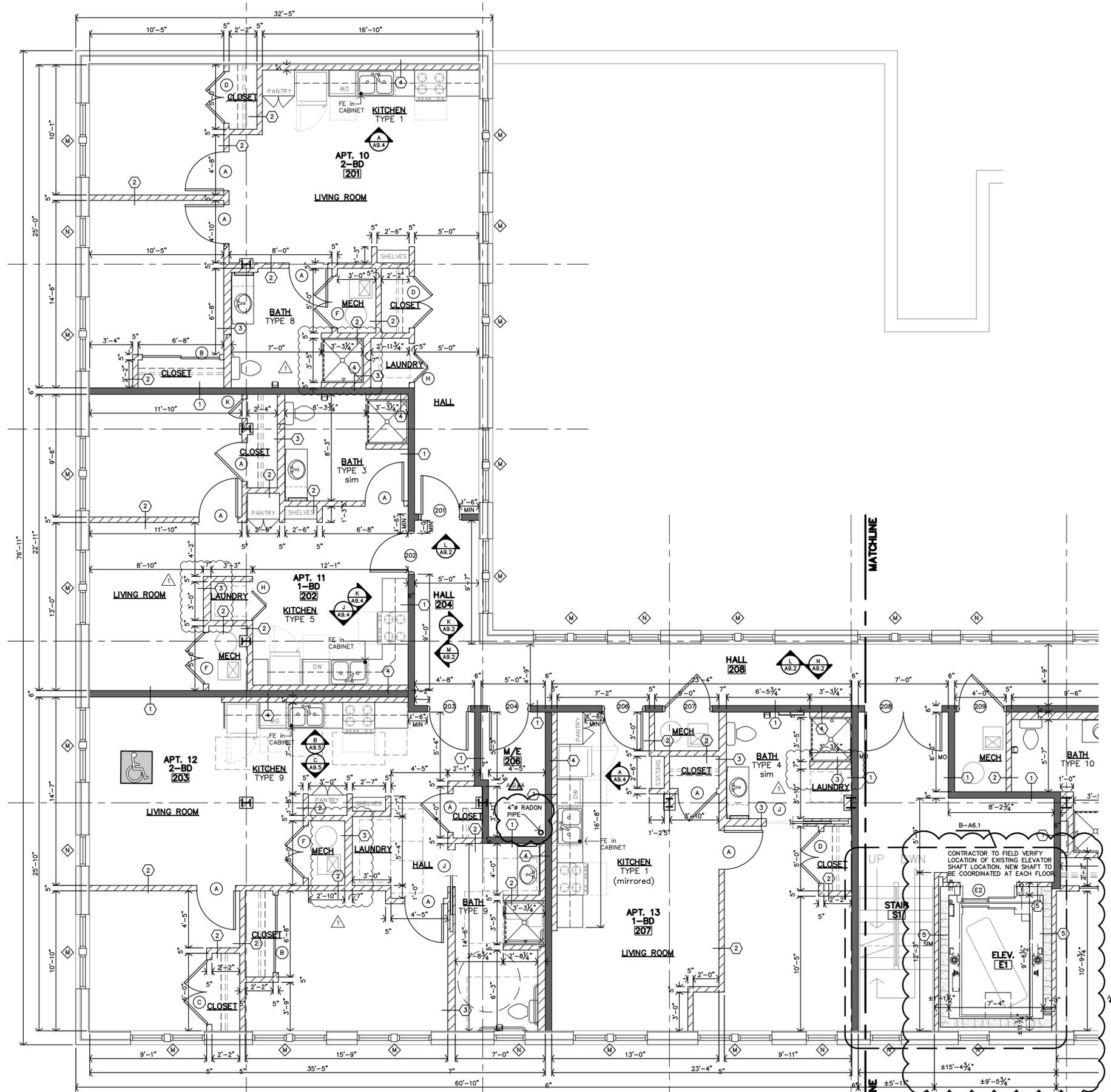
**ROOSEVELT LOFTS**  
HISTORIC REHABILITATION - APARTMENTS  
SAN ANGELO, TEXAS



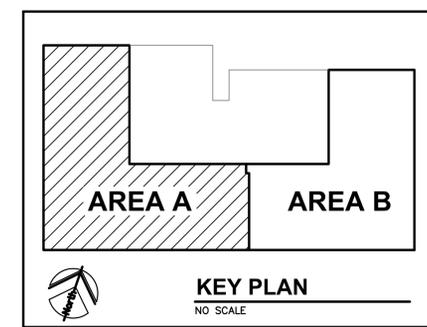
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	2-20-2024
	4-25-2024
	5-29-2024
DATE:	1-16-2024
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SHEET NO.:	

**A2.4**

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**AREA A SECOND FLOOR PLAN**  
1/4"=1'-0"

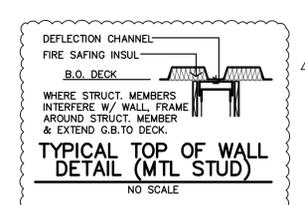
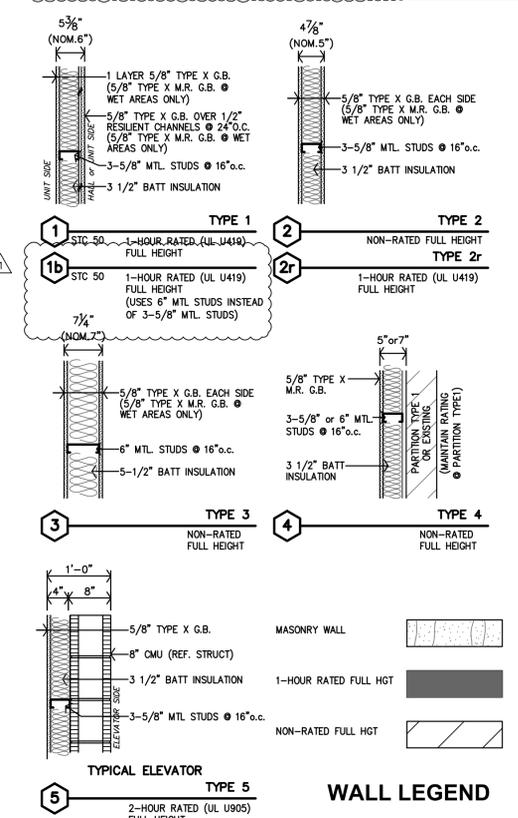


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**PARTITION SCHEDULE**

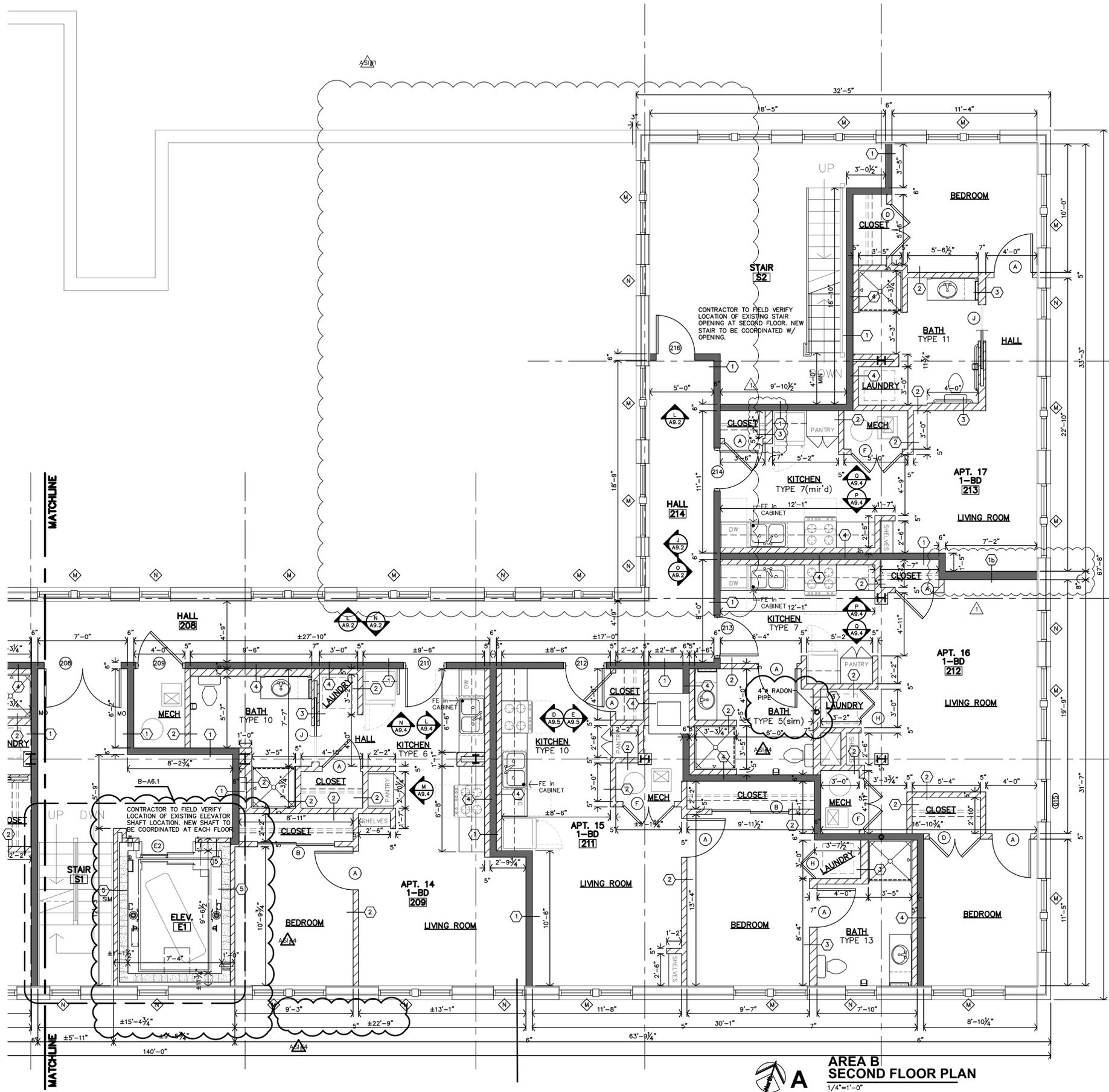
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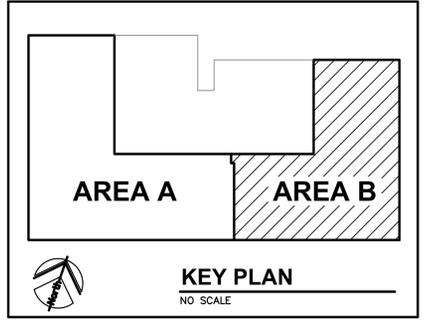
REVISION:

- 2-20-2024
- 2-23-2024
- 5-29-2024

DATE: 1-16-2024  
JOB: 22-3281  
SHEET NO.:



**AREA B SECOND FLOOR PLAN**  
1/4"=1'-0"

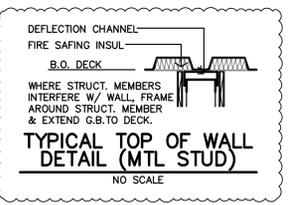
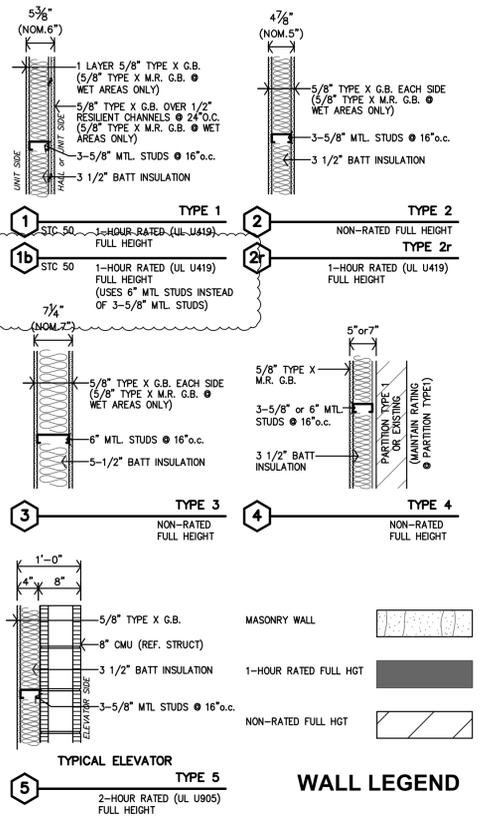


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REVISION:  
A1 5-29-2024

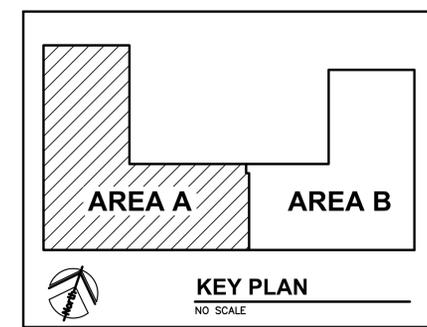
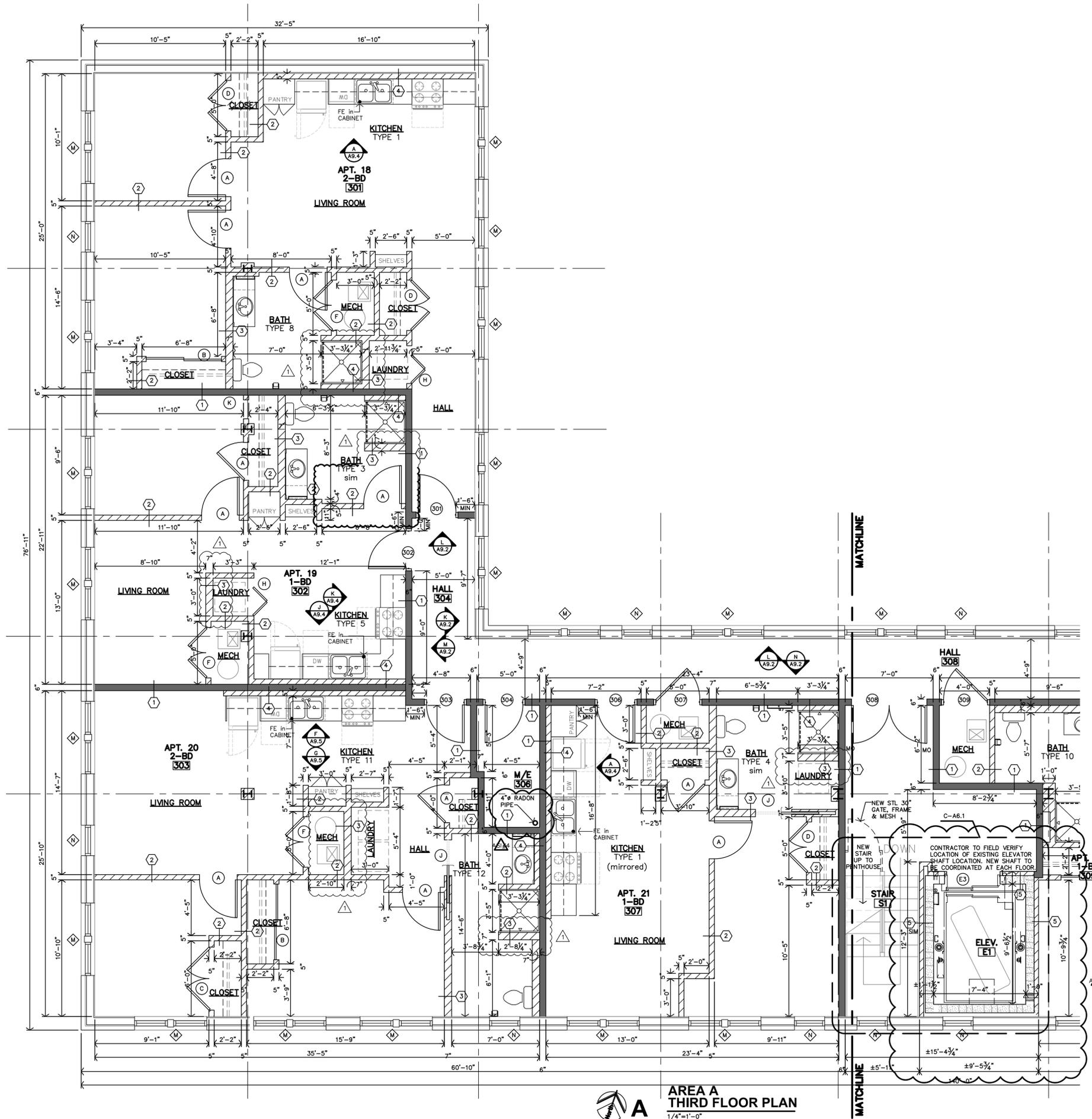
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**A2.6**

PREVIOUS REVISIONS

A1	2-20-2024
A2	2-23-2024
A3	4-25-2024

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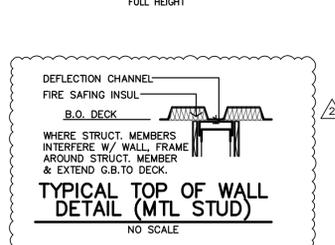
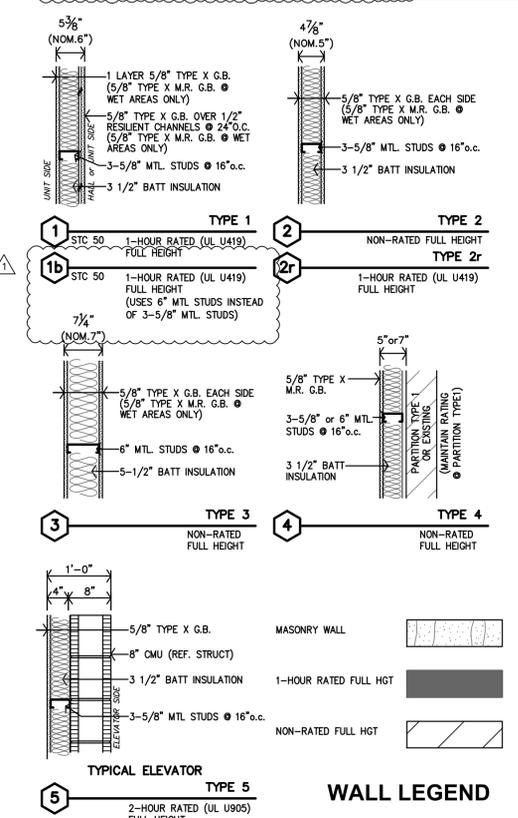


**PLAN NOTES**

- REF SHEET A2.0 FOR UNIT GENERAL NOTES PARTITION SCHEDULE, KITCHEN/BATH MATRIX AND STANDARD DETAILS.

**PARTITION SCHEDULE**

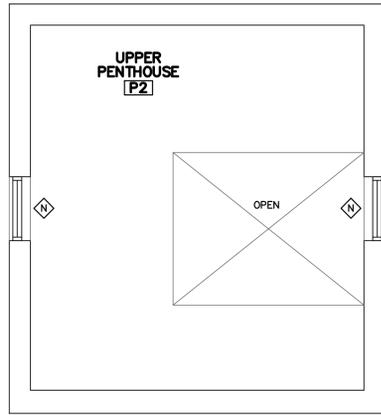
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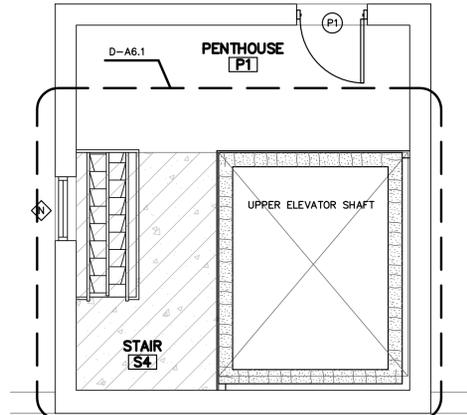
REVISION:

1	2-20-2024
2	2-23-2024
3	5-29-2024

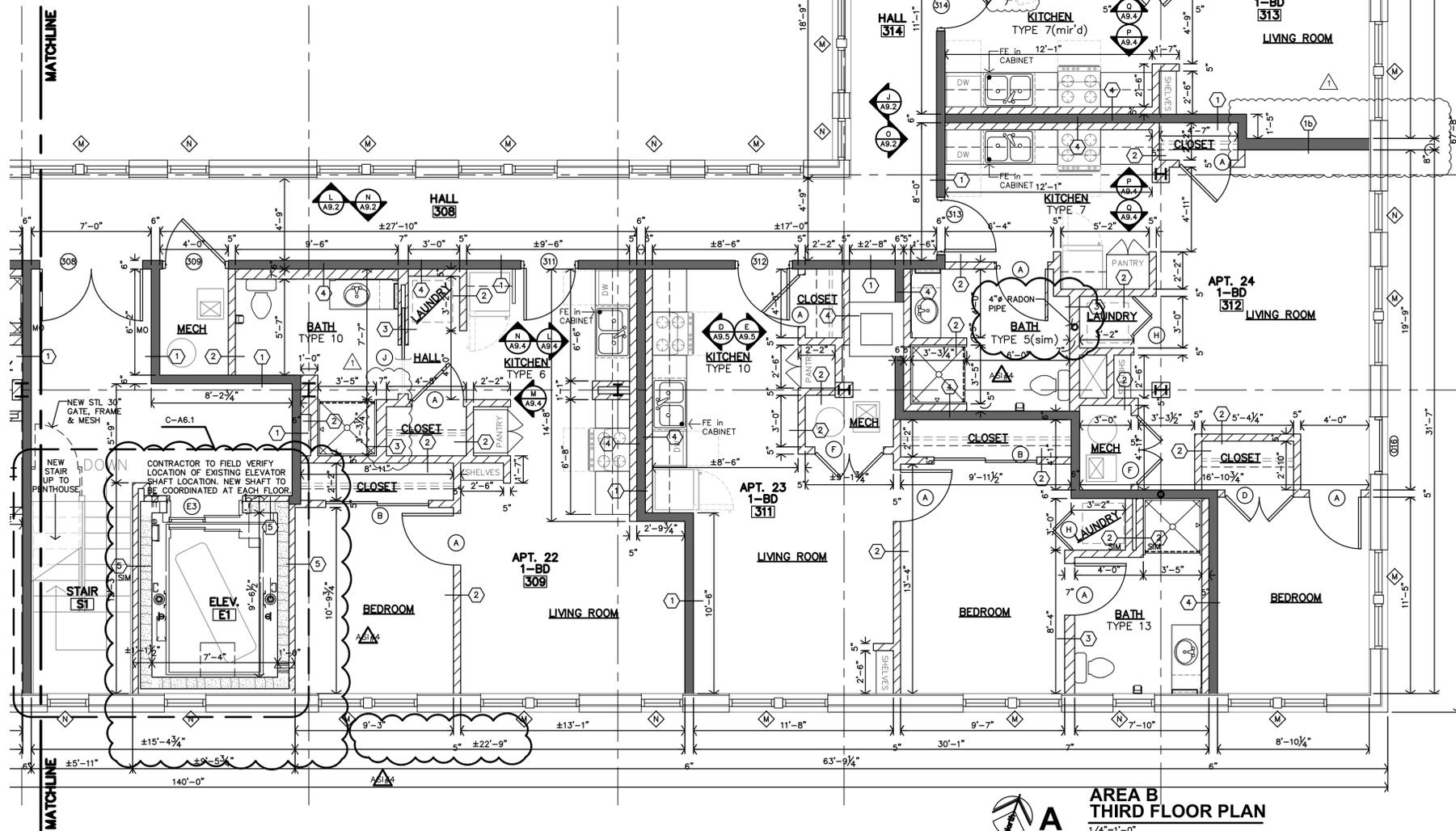
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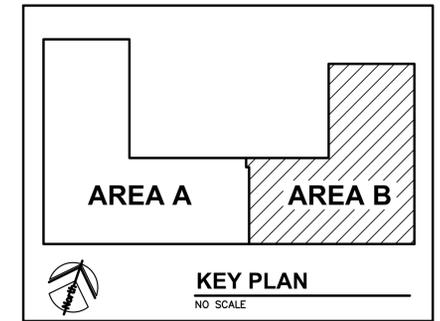
**C** UPPER PENTHOUSE PLAN  
1/4"=1'-0"



**B** PENTHOUSE PLAN  
1/4"=1'-0"



**A** AREA B THIRD FLOOR PLAN  
1/4"=1'-0"

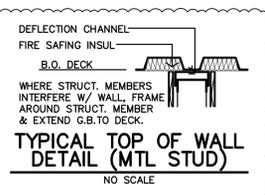
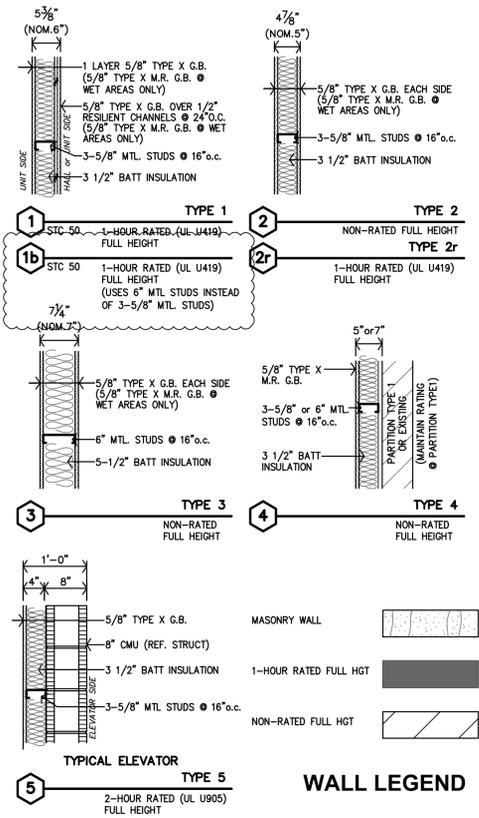


**PLAN NOTES**

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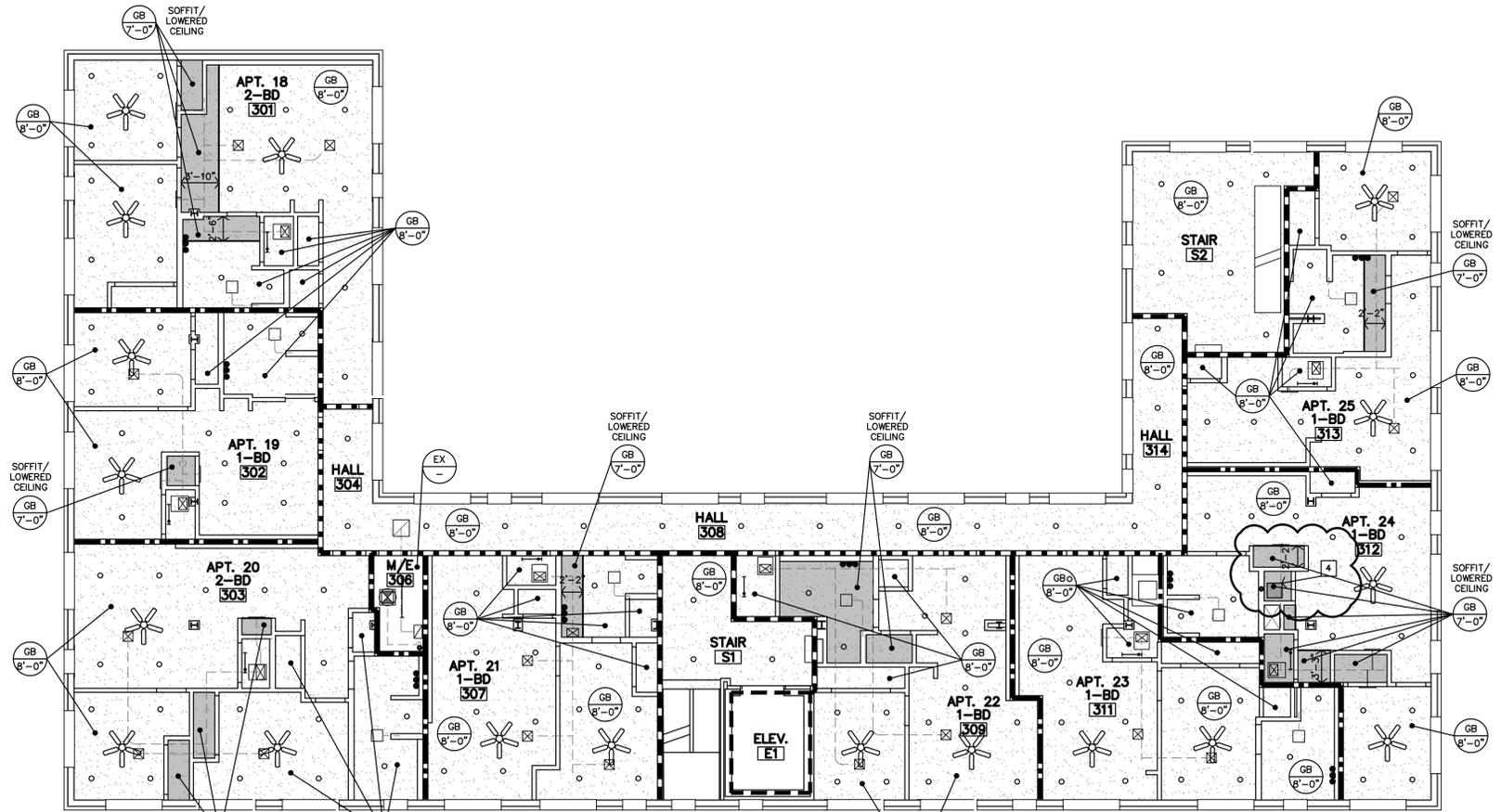


### CEILING NOTES

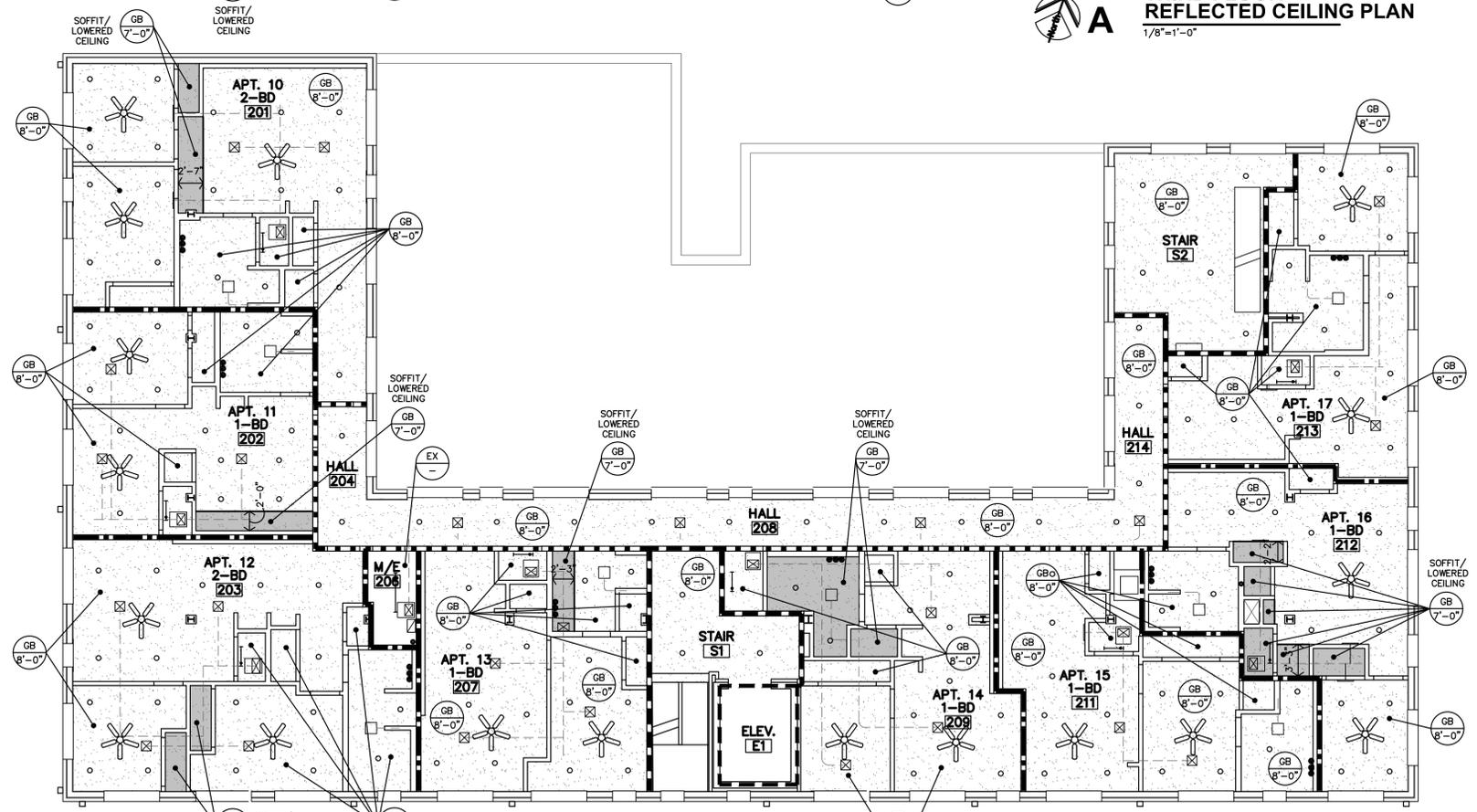
- GENERAL NOTES**
- CONTRACTOR SHALL COORDINATE CEILING LAYOUT WITH MECHANICAL AND ELECTRICAL FIXTURE LOCATIONS. NOTIFY ARCHITECT IMMEDIATELY OF ANY CONFLICT OR DISCREPANCY.
  - MECHANICAL/ELECTRICAL FIXTURES @ RATED CEILINGS SHALL BE HUNG IN CONFORMANCE TO U.L. SYSTEM REQUIREMENTS.
  - CEILING MOUNTED MECHANICAL EQUIPMENT AND SUSPENDED MECHANICAL EQUIPMENT MUST BE SUSPENDED DIRECTLY FROM THE STRUCTURE.
  - WHERE SUSPENSION DEVICES, WIRES, RODS, ETC. PENETRATE CEILING GRID AND/OR TILE OR G.B. PENETRATIONS SHALL BE NEAT AND CLEANLY CUT. PENETRATION OPENING SHALL BE AS SMALL AS POSSIBLE. SEAL AT G.B.
  - FIELD VERIFY HEIGHT TO UNDERSIDE OF STRUCTURE, AT ALL NEW GYP. BD. CEILINGS. NOTIFY ARCHITECT TO COORDINATE FINAL FINISHED CEILING HEIGHTS.
  - ALL LISTED CEILING HEIGHTS ARE AS ANTICIPATED. SUBJECT TO CHANGE BASED ON FIELD VERIFICATION OF UNDERSIDE OF STRUCTURE.

- SPECIFIC NOTES**
- RECESSED CEILING ALCOVE NEXT TO STOREFRONT & TRANSOM WINDOW.
  - NEW CEILING-MOUNTED, 2" THICK ACCENT TRIM/MOLDING
  - NEW CEILING-CROWN MOULDING
  - 18"x18" ATTIC ACCESS PANEL AT CEILING, FOR FUTURE INSTALLATION OF RADON PIPE FAN.

CEILING TYPES		NON-RATED WALLS	
REFER SPECIFICATIONS		1/2 HOUR FIRE PARTITION; CORRIDOR	
GB	GYP. BD (PAINTED)	---	1 HOUR FIRE PARTITION; BETWEEN DWELLING UNITS
ST	EXPOSED STRUCTURE	---	1 HOUR SHAFT WALL
P	EXIST./NEW PLASTER (PAINTED)	---	SEAL VOIDS AT TOPS OF WALLS AND PENETRATIONS WITH U.L. LISTED FIRE BATT INSULATION, PILLOWS, AND/OR FIRE SEALANT AS REQUIRED BY CONDITION. AT RATED WALLS.
1	CLG. TYPE	---	INDICATES G.B. CEILING FINISH
8'-6"	CLG. HEIGHT (ASSUMED)	---	INDICATES A LOWERED SOFFIT/CEILING AREA



**A** THIRD FLOOR REFLECTED CEILING PLAN  
1/8"=1'-0"

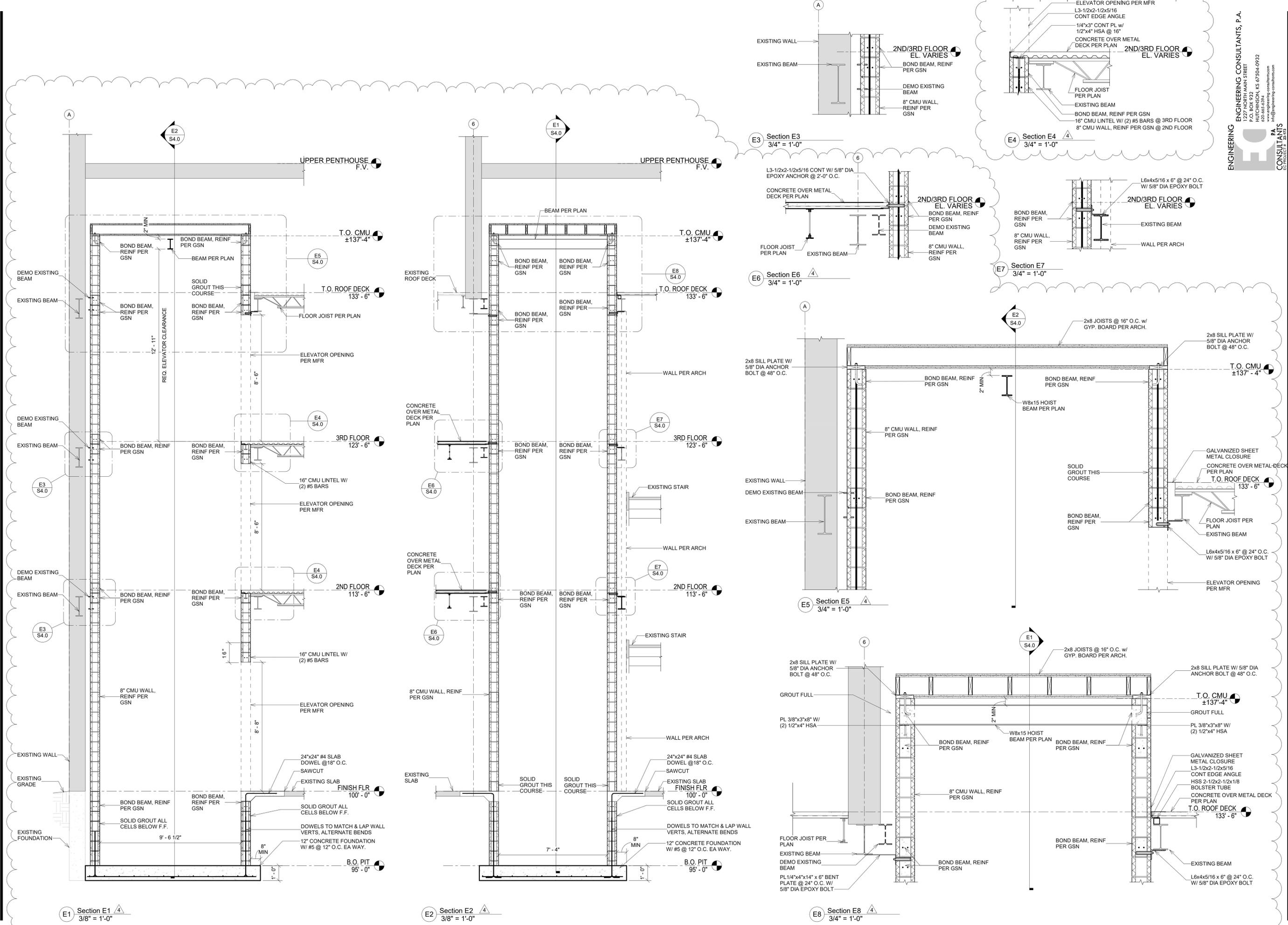


**B** SECOND FLOOR REFLECTED CEILING PLAN  
3/32"=1'-0"



REVISION:  
5-29-2024  
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JOB: 22-3281  
SHEET NO.:





ENGINEERING CONSULTANTS, P.A.  
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**ROOSEVELT LOFTS**  
 HISTORIC REHABILITATION - APARTMENTS  
 SAN ANGELO, TEXAS



REVISION:	4	ASJ#4	5-29-2024
DATE:	1-16-2024		
JOB:	22-3281		
SHEET NO.:			

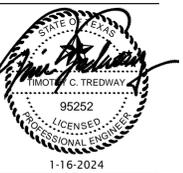
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SEE SHEET E1.5 FOR GENERAL ELECTRICAL NOTES.

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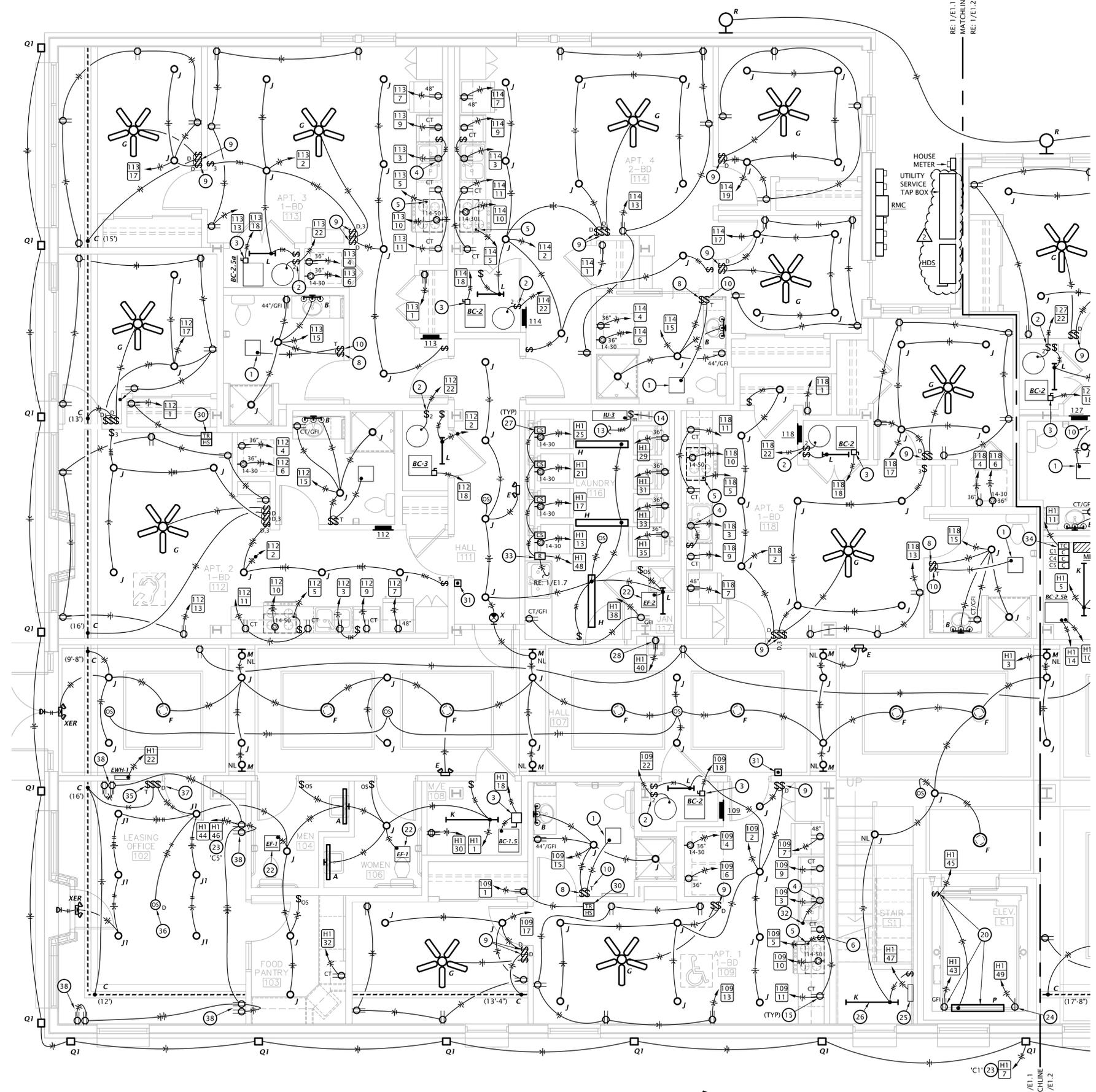
REVISION:	1-16-2024
ASI #4	05-29-2024
DATE:	1-16-2024
JOB:	21-3166
SHEET NO.:	

**E1.1**

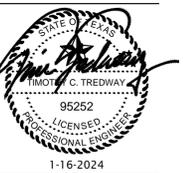
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**ELECTRICAL PLAN NOTES BY SYMBOL**

- CONNECT EXHAUST FAN PROVIDED BY MECHANICAL CONTRACTOR.
- PROVIDE 30A/2P SNAP SWITCH AND CONNECT WATER HEATER.
- PROVIDE 60A/2P DISCONNECT SWITCH AND CONNECT TO BLOWER COIL WITH ELECTRIC HEAT. SEE EQUIPMENT SCHEDULE FOR MORE INFORMATION. COORDINATE REQUIREMENTS WITH M.C.
- SPLIT-WIRE DUPLEX RECEPTACLE BELOW COUNTER. TOP HALF OF RECEPTACLE TO BE SWITCHED FOR CONTROL OF GARBAGE DISPOSAL. BOTTOM HALF OF RECEPTACLE TO BE WIRED UNSWITCHED FOR DISHWASHER. RECEPTACLE SHALL BE LOCATED IN BACK OF BASE CABINET ADJACENT TO DISHWASHER TO ALLOW ACCESS. PROVIDE CORDS AND GROUNDING PLUGS AS REQUIRED FOR DISPOSER AND DISHWASHER.
- PROVIDE 120V CONNECTION TO MICROWAVE/RANGE HOOD. STANDARD AND ADAPTABLE UNITS WILL HAVE MICROWAVE ABOVE RANGE. ACCESSIBLE UNITS WILL HAVE RANGE HOOD. COORDINATE EXACT ELECTRICAL ROUGH-IN REQUIREMENTS WITH EQUIPMENT PROVIDED. IF EQUIPMENT IS CORD AND PLUG, PROVIDE RECEPTACLE INSIDE CABINET ABOVE RANGE.
- PROVIDE SWITCH IN ACCESSIBLE UNITS FOR CONTROL OF RANGE HOOD.
- IN ACCESSIBLE UNITS, INSTALL COUNTERTOP RECEPTACLES A MINIMUM 36" AWAY FROM CORNER PER FAIR HOUSING ACT DESIGN MANUAL CHAPTER 5 'SIDE REACH OVER AN OBSTRUCTION' REQUIREMENTS. WHERE AN OBSTRUCTION PREVENTS 36" DISTANCE REQUIREMENT, INSTALL RECEPTACLE AS FAR FROM CORNER AS POSSIBLE. PROVIDE ADDITIONAL OUTLETS WITHIN 36" OF CORNER TO ENSURE COMPLIANCE WITH NEC SPACING REQUIREMENTS.
- SWITCH CLOSEST TO DOOR SHALL CONTROL ALL LIGHTS IN BATHROOM, AND THE OTHER SWITCH SHALL CONTROL THE EXHAUST FAN.
- PROVIDE PRESET SLIDE DIMMER COMPATIBLE WITH ASSOCIATED LIGHT FIXTURES.
- PROVIDE TIMER SWITCH EQUAL TO AIR CYCLER 'SMART EXHAUST' FOR CONTROL OF EXHAUST FAN. SET SWITCH PER MANUFACTURER'S INSTRUCTIONS TO OPERATE FAN AS INDICATED BELOW:
  - BEDROOM: 20 MINUTES PER HOUR
  - BEDROOM: 35 MINUTES PER HOUR
- ROUTE 120V CIRCUIT FOR HOT WATER RECIRCULATION PUMP (HWP) THROUGH ADJACENT AQUASTAT. PROVIDE 20A/1P SNAP SWITCH ADJACENT TO PUMP AND MAKE FINAL FLEXIBLE CONNECTION. COORDINATE WITH PLUMBING CONTRACTOR.
- CONNECT UNBALANCED PORTION OF WATER HEATER LOAD TO PHASE LEG INDICATED.
- (3) #12, #12G, 1/2" C FROM ASSOCIATED OUTDOOR UNIT ON ROOF. SEE SHEET E1.7.
- 30A/3P MANUAL MOTOR CONTROLLER SNAP SWITCH (WITHOUT OVERLOAD PROTECTION) IN NEMA 1 ENCLOSURE, P65 #7803W OR EQUAL. MOUNT ADJACENT TO UNIT AND MAKE FINAL FLEXIBLE CONNECTION TO EQUIPMENT.
- AT RECEPTACLES ABOVE KITCHEN COUNTERS IN ACCESSIBLE UNITS (#109 & #203, PROVIDE 1" DEEP FLUSH TYPE EXTENSION ADAPTER, WIREMOLD #V5751WH, TO BRING RECEPTACLE CLOSER TO COUNTERTOP EDGE TO COMPLY WITH 24" SIDE REACH REQUIREMENT.
- 30A/2P DISCONNECT SWITCH WITH SOLID NEUTRAL AND (1) 20A DUAL-ELEMENT, TIME DELAY FUSE IN NEMA 1 ENCLOSURE FOR ELEVATOR CAB LIGHTS & EXHAUST. SWITCH SHALL BE CAPABLE OF BEING LOCKED 'OFF'. MOUNT AT 6'-0" AFF TO TOP AND LABEL WITH CIRCUIT NUMBER. COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER. PROVIDE FINAL ELECTRICAL CONNECTION TO ELEVATOR CONTROLLER LOCATED IN HOISTWAY WALL AT SECOND FLOOR LANDING.
- NOTE DELETED.
- 3 PHASE POWER FEEDER AND (2) #18 STRANDED CU CONDUCTORS FROM ELEVATOR POWER MODULE SWITCH TO 'H1' DISCONNECT SWITCH.
- ELEVATOR CONTROLLER IN HOISTWAY WALL AT SECOND FLOOR LANDING. VERIFY EXACT LOCATION AND REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER.
- INSTALL LIGHT AND RECEPTACLE ON WALL OF ELEVATOR PIT. VERIFY EXACT LOCATION WITH ELEVATOR EQUIPMENT INSTALLER. INSTALL LIGHT SWITCH ADJACENT TO PIT LADDER AT 48" ABOVE FLOOR LANDING.
- INSTALL LIGHT AND RECEPTACLE ON WALL OF ELEVATOR HOISTWAY ABOVE SECOND FLOOR LANDING. VERIFY EXACT LOCATION WITH ELEVATOR EQUIPMENT INSTALLER. INSTALL LIGHT SWITCH ADJACENT TO ENTRY AT 48" ABOVE FLOOR LANDING.
- SWITCH EXHAUST FAN WITH ROOM LIGHTS.
- ROUTE CIRCUIT THROUGH CONTACTOR INDICATED. SEE 5/E6.1.
- SIMPLEX RECEPTACLE IN ELEVATOR PIT FOR ELEVATOR SUMP PUMP. COORDINATE EXACT MOUNTING LOCATION WITH PLUMBING CONTRACTOR AND ELEVATOR EQUIPMENT INSTALLER.
- ELEVATOR SUMP PUMP ALARM PANEL IN CLOSET BELOW STAIR LANDING. PROVIDE 120V POWER CONNECTION AND 1" CONDUIT WITH PULL STRING STUBBED INTO ELEVATOR PIT FOR CONTROL CABLING. COORDINATE ALL WORK WITH PLUMBING CONTRACTOR.
- MOUNT LIGHT FIXTURE FOR CLOSET BELOW STAIR LANDING. MOUNT TO STRUCTURE.
- ROUTE DRYER CIRCUIT THROUGH CURRENT SWITCH FOR OPERATION OF OUTSIDE AIR INTAKE HOOD. HOOD DAMPER SHALL OPEN WHEN ANY DRYER IS OPERATING. SEE DETAIL 2/E6.2.
- COORDINATE EXACT MOUNTING LOCATION OF DRINKING FOUNTAIN RECEPTACLE WITH PLUMBING CONTRACTOR.
- PROVIDE 120V POWER CONNECTION TO SEWAGE EJECTOR ALARM PANEL AND SIMPLEX RECEPTACLE FOR POWER TO SEWAGE EJECTOR PUMP. COORDINATE REQUIREMENTS WITH G.C. AND PLUMBING CONTRACTOR.
- PROVIDE DOOR ANNUNCIATOR SYSTEM A/V HORN/STROBE DEVICE AND LOW VOLTAGE TRANSFORMER AT ALL ACCESSIBLE APARTMENTS AND ALSO AT APARTMENTS DESIGNATED HEARING-IMPAIRED. INSTALL HORN/STROBE APPLIANCE AT 80" AFF. INSTALL TRANSFORMER IN DOUBLE GANG JUNCTION BOX ABOVE HORN/STROBE WITH BLANK COVER PLATE AND PROVIDE LOW VOLTAGE CONTROL WIRING. SEE DETAIL 3, SHEET E6.2. PROVIDE ENGRAVED SIGN AT THE HORN/STROBE DEVICE TO READ "DOOR".
- PROVIDE PUSH BUTTON AT 48" AFF FOR ANNUNCIATOR SYSTEM AT ALL ACCESSIBLE APARTMENTS AND ALSO AT APARTMENTS DESIGNATED FOR HEARING-IMPAIRED. REFER TO ARCH DRAWINGS FOR APPLICABLE ROOMS. SEE DETAIL 3, SHEET E6.2.
- IN ADA/ACCESSIBLE UNITS, DISPOSER SWITCH SHALL BE COUNTERTOP MOUNTED, AIR ACTIVATED PUSH BUTTON TYPE, FINISH TO MATCH SINK. COORDINATE EXACT LOCATION OF PUSH BUTTON WITH ARCHITECT.
- RELAY FOR CONTROL OF MOTORIZED INTAKE HOOD ON ROOF. SEE 2/E6.2.
- TIMELOCK AND CONTACTORS FOR LIGHTING AND RECEPTACLE CONTROL. RE: 5/E6.1.
- 2-HOUR DIAL TIMER OVERRIDE SWITCH FOR SWITCHED RECEPTACLES. SEE 5/E6.1.
- LINE VOLTAGE CEILING OCCUPANCY SENSOR/PHOTOCELL WITH DAYLIGHT HARVESTING CAPABILITY. SENSOR SHALL DIM 0-10V LIGHTS WHEN ADEQUATE DAYLIGHT IS PRESENT. SENSORWORX #SWX-2-3-1-2-D OR EQUAL.
- PRESET SLIDE DIMMER, 0-10V, LEVITON #P710-DLZ OR EQUAL. COORDINATE DEVICE COLOR WITH ARCHITECT.
- ONE RECEPTACLE SHALL BE CONNECTED TO CIRCUIT #44 (UNCONTROLLED) AND THE OTHER RECEPTACLES SHALL BE CONNECTED TO CIRCUIT #46 (CONTROLLED). CONTROLLED RECEPTACLE SHALL BE MARKED IN ACCORDANCE WITH NEC 406.3(E).
- RECEPTACLE FOR POWER TO FUTURE RADON FAN. INSTALL RECEPTACLE IN ROOM 306 ON WALL AT APPROX. 12" BELOW UNDERSIDE OF ROOF. INSTALL RECEPTACLE IN APARTMENT - 24 (312) ABOVE CEILING OF LAUNDRY ROOM, ADJACENT TO ACCESS PANEL.



**1 PARTIAL FIRST FLOOR ELECTRICAL PLAN**  
 1/4" = 1'-0"



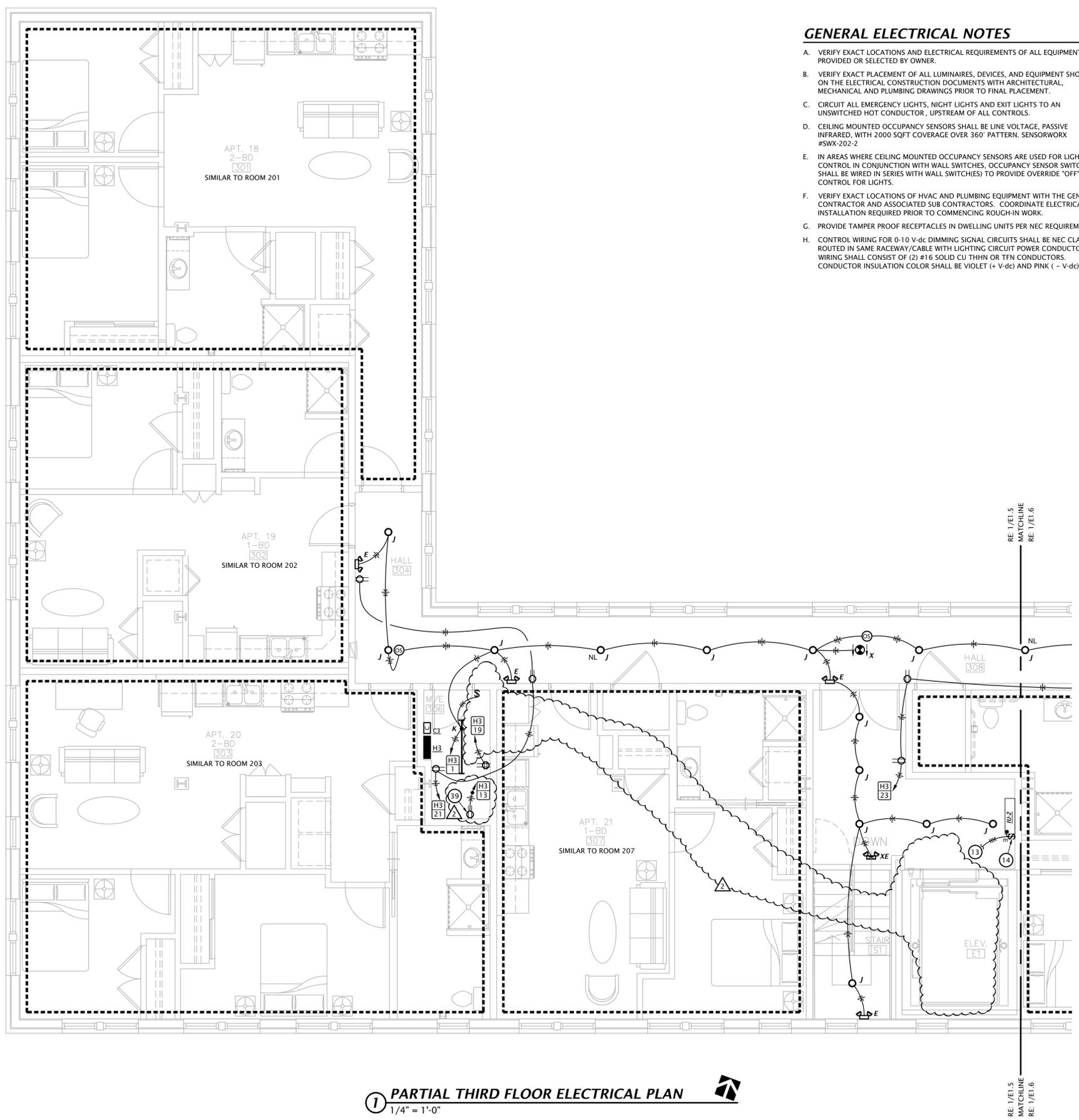
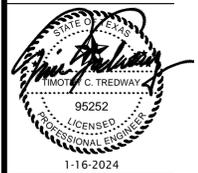
REVISION:	1-16-2024
AS1 #4	05-29-2024
DATE:	1-16-2024
JOB:	21-3166
SHEET NO.:	



**1 PARTIAL SECOND FLOOR ELECTRICAL PLAN**  
 1/4" = 1'-0"

**ELECTRICAL PLAN NOTES BY SYMBOL**

- CONNECT EXHAUST FAN PROVIDED BY MECHANICAL CONTRACTOR.
- PROVIDE 30A/2P SNAP SWITCH AND CONNECT WATER HEATER.
- PROVIDE 60A/2P DISCONNECT SWITCH AND CONNECT TO BLOWER COIL WITH ELECTRIC HEAT. SEE EQUIPMENT SCHEDULE FOR MORE INFORMATION. COORDINATE REQUIREMENTS WITH M.C.
- SPLIT-WIRE DUPLEX RECEPTACLE BELOW COUNTER. TOP HALF OF RECEPTACLE TO BE SWITCHED FOR CONTROL OF GARBAGE DISPOSAL. BOTTOM HALF OF RECEPTACLE TO BE WIRED UNSWITCHED FOR DISHWASHER. RECEPTACLE SHALL BE LOCATED IN BACK OF BASE CABINET ADJACENT TO DISHWASHER TO ALLOW ACCESS. PROVIDE CORDS AND GROUNDING PLUGS AS REQUIRED FOR DISPOSER AND DISHWASHER.
- PROVIDE 120V CONNECTION TO MICROWAVE/RANGE HOOD. STANDARD AND ADAPTABLE UNITS WILL HAVE MICROWAVE ABOVE RANGE. ACCESSIBLE UNITS WILL HAVE RANGE HOOD. COORDINATE EXACT ELECTRICAL ROUGH-IN REQUIREMENTS WITH EQUIPMENT PROVIDED. IF EQUIPMENT IS CORD AND PLUG, PROVIDE RECEPTACLE INSIDE CABINET ABOVE RANGE.
- PROVIDE SWITCH IN ACCESSIBLE UNITS FOR CONTROL OF RANGE HOOD.
- IN ACCESSIBLE UNITS, INSTALL COUNTERTOP RECEPTACLES A MINIMUM 36" AWAY FROM CORNER PER FAIR HOUSING ACT DESIGN MANUAL CHAPTER 5 'SIDE REACH OVER AN OBSTRUCTION' REQUIREMENTS. WHERE AN OBSTRUCTION PREVENTS 36" DISTANCE REQUIREMENT, INSTALL RECEPTACLE AS FAR FROM CORNER AS POSSIBLE. PROVIDE ADDITIONAL OUTLETS WITHIN 36" OF CORNER TO ENSURE COMPLIANCE WITH NEC SPACING REQUIREMENTS.
- SWITCH CLOSEST TO DOOR SHALL CONTROL ALL LIGHTS IN BATHROOM, AND THE OTHER SWITCH SHALL CONTROL THE EXHAUST FAN.
- PROVIDE PRESET SLIDE DIMMER COMPATIBLE WITH ASSOCIATED LIGHT FIXTURES.
- PROVIDE TIMER SWITCH EQUAL TO AIR CYCLER 'SMART EXHAUST' FOR CONTROL OF EXHAUST FAN. SET SWITCH PER MANUFACTURER'S INSTRUCTIONS TO OPERATE FAN AS INDICATED BELOW.  
 1 BEDROOM: 20 MINUTES PER HOUR  
 2 BEDROOM: 35 MINUTES PER HOUR
- ROUTE 120V CIRCUIT FOR HOT WATER RECIRCULATION PUMP (HWRP) THROUGH ADJACENT AQUASTAT. PROVIDE 20A/1P SNAP SWITCH ADJACENT TO PUMP AND MAKE FINAL FLEXIBLE CONNECTION. COORDINATE WITH PLUMBING CONTRACTOR.
- CONNECT UNBALANCED PORTION OF WATER HEATER LOAD TO PHASE LEG INDICATED.
- (3) #12, #12G, 1/2" C FROM ASSOCIATED OUTDOOR UNIT ON ROOF. SEE SHEET E1.7.
- 30A/3P MANUAL MOTOR CONTROLLER SNAP SWITCH (WITHOUT OVERLOAD PROTECTION) IN NEMA 1 ENCLOSURE, P&S #7803W OR EQUAL. MOUNT ADJACENT TO UNIT AND MAKE FINAL FLEXIBLE CONNECTION TO EQUIPMENT.
- AT RECEPTACLES ABOVE KITCHEN COUNTERS IN ACCESSIBLE UNITS (#109 & #203, PROVIDE 1" DEEP FLUSH TYPE EXTENSION ADAPTER, WIREMOLD #V5751WH, TO BRING RECEPTACLE CLOSER TO COUNTERTOP EDGE TO COMPLY WITH 24" SIDE REACH REQUIREMENT.
- 30A/2P DISCONNECT SWITCH WITH SOLID NEUTRAL AND (1) 20A DUAL-ELEMENT, TIME DELAY FUSE IN NEMA 1 ENCLOSURE FOR ELEVATOR CAB LIGHTS & EXHAUST. SWITCH SHALL BE CAPABLE OF BEING LOCKED 'OFF'. MOUNT AT 6'-0" AFF TO TOP AND LABEL WITH CIRCUIT NUMBER, COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER. PROVIDE FINAL ELECTRICAL CONNECTION TO ELEVATOR CONTROLLER LOCATED IN HOISTWAY WALL AT SECOND FLOOR LANDING.
- NOTE DELETED.
- 3-PHASE POWER FEEDER AND (2) #18 STRANDED CU CONDUCTORS FROM ELEVATOR POWER MODULE SWITCH TO 'H1' DISCONNECT SWITCH.
- ELEVATOR CONTROLLER IN HOISTWAY WALL AT SECOND FLOOR LANDING. VERIFY EXACT LOCATION AND REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER.
- INSTALL LIGHT AND RECEPTACLE ON WALL OF ELEVATOR PIT. VERIFY EXACT LOCATION WITH ELEVATOR EQUIPMENT INSTALLER. INSTALL LIGHT SWITCH ADJACENT TO PIT LADDER AT 48" ABOVE FLOOR LANDING.
- INSTALL LIGHT AND RECEPTACLE ON WALL OF ELEVATOR HOISTWAY ABOVE SECOND FLOOR LANDING. VERIFY EXACT LOCATION WITH ELEVATOR EQUIPMENT INSTALLER. INSTALL LIGHT SWITCH ADJACENT TO ENTRY AT 48" ABOVE FLOOR LANDING.
- SWITCH EXHAUST FAN WITH ROOM LIGHTS.
- ROUTE CIRCUIT THROUGH CONTACTOR INDICATED. SEE 5/E6.1.
- SIMPLEX RECEPTACLE IN ELEVATOR PIT FOR ELEVATOR SUMP PUMP. COORDINATE EXACT MOUNTING LOCATION WITH PLUMBING CONTRACTOR AND ELEVATOR EQUIPMENT INSTALLER.
- ELEVATOR SUMP PUMP ALARM PANEL IN CLOSET BELOW STAIR LANDING. PROVIDE 120V POWER CONNECTION AND 1" CONDUIT WITH PULL STRING STUBBED INTO ELEVATOR PIT FOR CONTROL CABLING. COORDINATE ALL WORK WITH PLUMBING CONTRACTOR.
- MOUNT LIGHT FIXTURE FOR CLOSET BELOW STAIR LANDING. MOUNT TO STRUCTURE.
- ROUTE DRYER CIRCUIT THROUGH CURRENT SWITCH FOR OPERATION OF OUTSIDE AIR INTAKE HOOD. HOOD DAMPER SHALL OPEN WHEN ANY DRYER IS OPERATING. SEE DETAIL 2/E6.2.
- COORDINATE EXACT MOUNTING LOCATION OF DRINKING FOUNTAIN RECEPTACLE WITH PLUMBING CONTRACTOR.
- PROVIDE 120V POWER CONNECTION TO SEWAGE EJECTOR ALARM PANEL AND SIMPLEX RECEPTACLE FOR POWER TO SEWAGE EJECTOR PUMP. COORDINATE REQUIREMENTS WITH G.C. AND PLUMBING CONTRACTOR.
- PROVIDE DOOR ANNUNCIATOR SYSTEM A/V HORN/STROBE DEVICE AND LOW VOLTAGE TRANSFORMER AT ALL ACCESSIBLE APARTMENTS AND ALSO AT APARTMENTS DESIGNATED HEARING-IMPAIRED. INSTALL HORN/STROBE APPLIANCE AT 80" AFF. INSTALL TRANSFORMER IN DOUBLE GANG JUNCTION BOX ABOVE HORN/STROBE WITH BLANK COVER PLATE AND PROVIDE LOW VOLTAGE CONTROL WIRING. SEE DETAIL 3, SHEET E6.2. PROVIDE ENGRAVED SIGN AT THE HORN/STROBE DEVICE TO READ "DOOR".
- PROVIDE PUSH BUTTON AT 48" AFF FOR ANNUNCIATOR SYSTEM AT ALL ACCESSIBLE APARTMENTS AND ALSO AT APARTMENTS DESIGNATED FOR HEARING-IMPAIRED. REFER TO ARCH DRAWINGS FOR APPLICABLE ROOMS. SEE DETAIL 3, SHEET E6.2.
- IN ADA/ACCESSIBLE UNITS, DISPOSER SWITCH SHALL BE COUNTERTOP MOUNTED, AIR ACTIVATED PUSH BUTTON TYPE, FINISH TO MATCH SINK. COORDINATE EXACT LOCATION OF PUSH BUTTON WITH ARCHITECT.
- RELAY FOR CONTROL OF MOTORIZED INTAKE HOOD ON ROOF. SEE 2/E6.2.
- TIMECLOCK AND CONTACTORS FOR LIGHTING AND RECEPTACLE CONTROL. RE: 5/E6.1.
- 2-HOUR DIAL TIMER OVERRIDE SWITCH FOR SWITCHED RECEPTACLES. SEE 5/E6.1.
- LINE VOLTAGE CEILING OCCUPANCY SENSOR/PHOTOCELL WITH DAYLIGHT HARVESTING CAPABILITY. SENSOR SHALL DIM 0-10V LIGHTS WHEN ADEQUATE DAYLIGHT IS PRESENT. SENSORWORK #5WX-2-3-1-2-D OR EQUAL.
- PRESET SLIDE DIMMER, 0-10V, LEVITON #IP710-DLZ OR EQUAL. COORDINATE DEVICE COLOR WITH ARCHITECT.
- ONE RECEPTACLE SHALL BE CONNECTED TO CIRCUIT #44 (UNCONTROLLED) AND THE OTHER RECEPTACLES SHALL BE CONNECTED TO CIRCUIT #46 (CONTROLLED). CONTROLLED RECEPTACLE SHALL BE MARKED IN ACCORDANCE WITH NEC 406.3(E).
- RECEPTACLE FOR POWER TO FUTURE RADON FAN. INSTALL RECEPTACLE IN ROOM 306 ON WALL AT APPROX. 12" BELOW UNDERSIDE OF ROOF. INSTALL RECEPTACLE IN APARTMENT - 24 (312) ABOVE CEILING OF LAUNDRY ROOM, ADJACENT TO ACCESS PANEL.



**1 PARTIAL THIRD FLOOR ELECTRICAL PLAN**  
 1/4" = 1'-0"

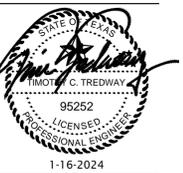
**GENERAL ELECTRICAL NOTES**

- A. VERIFY EXACT LOCATIONS AND ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT PROVIDED OR SELECTED BY OWNER.
- B. VERIFY EXACT PLACEMENT OF ALL LUMINAIRES, DEVICES, AND EQUIPMENT SHOWN ON THE ELECTRICAL CONSTRUCTION DOCUMENTS WITH ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS PRIOR TO FINAL PLACEMENT.
- C. CIRCUIT ALL EMERGENCY LIGHTS, NIGHT LIGHTS AND EXIT LIGHTS TO AN UNSWITCHED HOT CONDUCTOR, UPSTREAM OF ALL CONTROLS.
- D. CEILING MOUNTED OCCUPANCY SENSORS SHALL BE LINE VOLTAGE, PASSIVE INFRARED, WITH 2000 SOFT COVERAGE OVER 360° PATTERN. SENSORWORX #SWX-202-2
- E. IN AREAS WHERE CEILING MOUNTED OCCUPANCY SENSORS ARE USED FOR LIGHTING CONTROL IN CONJUNCTION WITH WALL SWITCHES, OCCUPANCY SENSOR SWITCH LEG SHALL BE WIRED IN SERIES WITH WALL SWITCHES TO PROVIDE OVERRIDE "OFF" CONTROL FOR LIGHTS.
- F. VERIFY EXACT LOCATIONS OF HVAC AND PLUMBING EQUIPMENT WITH THE GENERAL CONTRACTOR AND ASSOCIATED SUB CONTRACTORS. COORDINATE ELECTRICAL INSTALLATION REQUIRED PRIOR TO COMMENCING ROUGH-IN WORK.
- G. PROVIDE TAMPER PROOF RECEPTACLES IN DWELLING UNITS PER NEC REQUIREMENTS.
- H. CONTROL WIRING FOR 0-10 V-dc DIMMING SIGNAL CIRCUITS SHALL BE NEC CLASS 1, ROUTED IN SAME RACEWAY/CABLE WITH LIGHTING CIRCUIT POWER CONDUCTORS. WIRING SHALL CONSIST OF (2) #16 SOLID CU THHN OR TFN CONDUCTORS. CONDUCTOR INSULATION COLOR SHALL BE VIOLET (+ V-dc) AND PINK (- V-dc).

**ELECTRICAL PLAN NOTES BY SYMBOL**

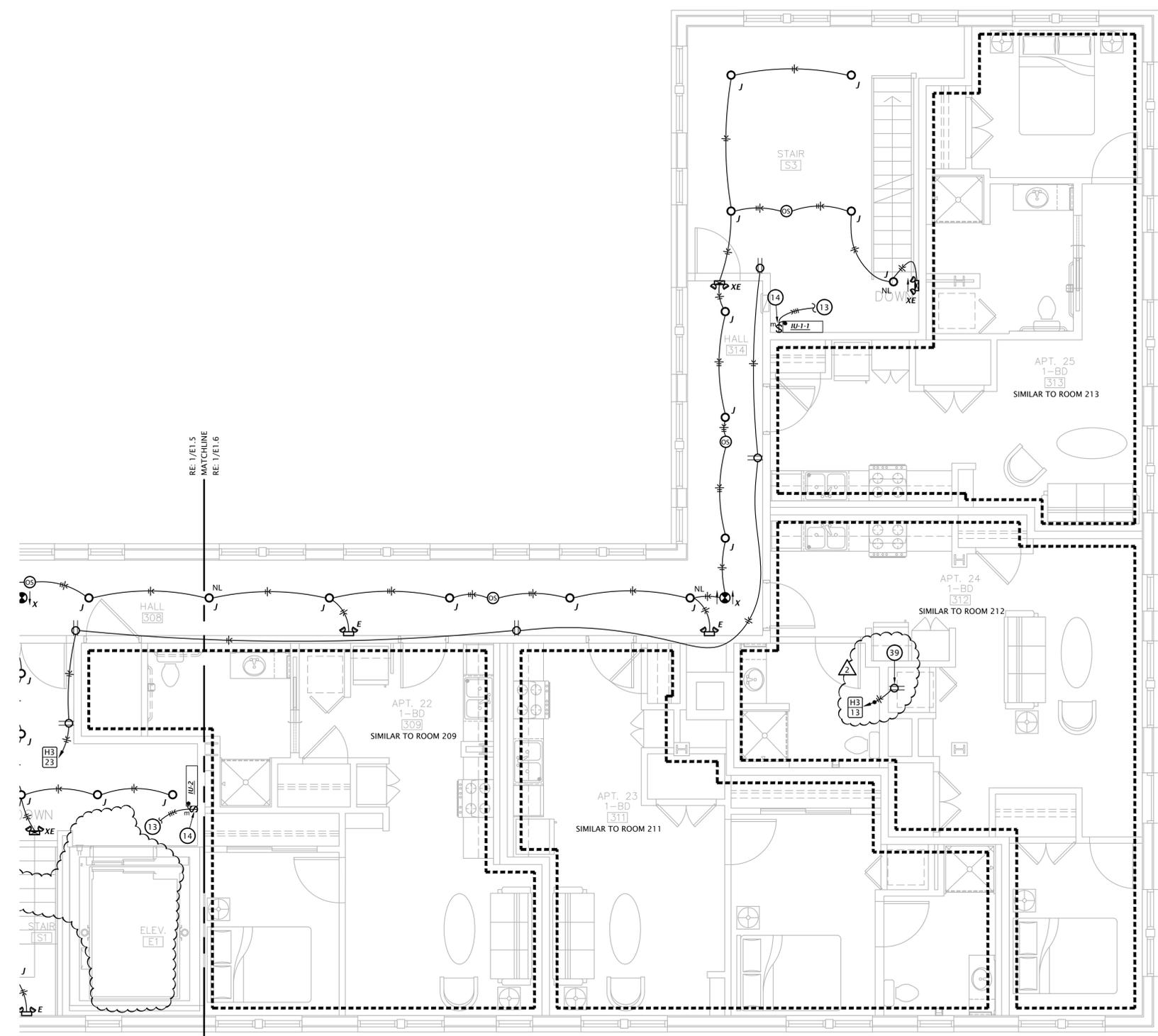
- 1. CONNECT EXHAUST FAN PROVIDED BY MECHANICAL CONTRACTOR.
- 2. PROVIDE 30A/2P SNAP SWITCH AND CONNECT WATER HEATER.
- 3. PROVIDE 60A/2P DISCONNECT SWITCH AND CONNECT TO BLOWER COIL WITH ELECTRIC HEAT. SEE EQUIPMENT SCHEDULE FOR MORE INFORMATION. COORDINATE REQUIREMENTS WITH M.C.
- 4. SPLIT-WIRE DUPLEX RECEPTACLE BELOW COUNTER. TOP HALF OF RECEPTACLE TO BE SWITCHED FOR CONTROL OF CARGAGE DISPOSAL. BOTTOM HALF OF RECEPTACLE TO BE WIRED UNSWITCHED FOR DISHWASHER. RECEPTACLE SHALL BE LOCATED IN BACK OF BASE CABINET ADJACENT TO DISHWASHER TO ALLOW ACCESS. PROVIDE CORDS AND GROUNDING PLUGS AS REQUIRED FOR DISPOSER AND DISHWASHER.
- 5. PROVIDE 120V CONNECTION TO MICROWAVE/RANGE HOOD. STANDARD AND ADAPTABLE UNITS WILL HAVE MICROWAVE ABOVE RANGE. ACCESSIBLE UNITS WILL HAVE RANGE HOOD. COORDINATE EXACT ELECTRICAL ROUGH-IN REQUIREMENTS WITH EQUIPMENT PROVIDED. IF EQUIPMENT IS CORD AND PLUG, PROVIDE RECEPTACLE INSIDE CABINET ABOVE RANGE.
- 6. PROVIDE SWITCH IN ACCESSIBLE UNITS FOR CONTROL OF RANGE HOOD.
- 7. IN ACCESSIBLE UNITS, INSTALL COUNTERTOP RECEPTACLES A MINIMUM 36" AWAY FROM CORNER PER FAIR HOUSING ACT DESIGN MANUAL CHAPTER 5 "SIDE REACH OVER AN OBSTRUCTION" REQUIREMENTS. WHERE AN OBSTRUCTION PREVENTS 36" DISTANCE REQUIREMENT, INSTALL RECEPTACLE AS FAR FROM CORNER AS POSSIBLE. PROVIDE ADDITIONAL OUTLETS WITHIN 36" OF CORNER TO ENSURE COMPLIANCE WITH NEC SPACING REQUIREMENTS.
- 8. SWITCH CLOSEST TO DOOR SHALL CONTROL ALL LIGHTS IN BATHROOM, AND THE OTHER SWITCH SHALL CONTROL THE EXHAUST FAN.
- 9. PROVIDE PRESET SLIDE DIMMER COMPATIBLE WITH ASSOCIATED LIGHT FIXTURES.
- 10. PROVIDE TIMER SWITCH EQUAL TO AIR CYCLER "SMART EXHAUST" FOR CONTROL OF EXHAUST FAN. SET SWITCH PER MANUFACTURER'S INSTRUCTIONS TO OPERATE FAN AS INDICATED BELOW:
  - 1 BEDROOM: 20 MINUTES PER HOUR
  - 2 BEDROOM: 35 MINUTES PER HOUR
- 11. ROUTE 120V CIRCUIT FOR HOT WATER RECIRCULATION PUMP (HWP) THROUGH ADJACENT AQUASTAT. PROVIDE 20A/1P SNAP SWITCH ADJACENT TO PUMP AND MAKE FINAL FLEXIBLE CONNECTION. COORDINATE WITH PLUMBING CONTRACTOR.
- 12. CONNECT UNBALANCED PORTION OF WATER HEATER LOAD TO PHASE LEG INDICATED.
- 13. (3) #12, #12G, 1/2" C FROM ASSOCIATED OUTDOOR UNIT ON ROOF. SEE SHEET E1.7.
- 14. 30A/3P MANUAL MOTOR CONTROLLER SNAP SWITCH (WITHOUT OVERLOAD PROTECTION) IN NEMA 1 ENCLOSURE, P&S #7803W OR EQUAL. MOUNT ADJACENT TO UNIT AND MAKE FINAL FLEXIBLE CONNECTION TO EQUIPMENT.
- 15. AT RECEPTACLES ABOVE KITCHEN COUNTERS IN ACCESSIBLE UNITS (#109 & #203, PROVIDE 1" DEEP FLUSH TYPE EXTENSION ADAPTER, WIREMOLD #V5751WH, TO BRING RECEPTACLE CLOSER TO COUNTERTOP EDGE TO COMPLY WITH 24" SIDE REACH REQUIREMENT.
- 16. 30A/2P DISCONNECT SWITCH WITH SOLID NEUTRAL AND (1) 20A DUAL-ELEMENT, TIME DELAY FUSE IN NEMA 1 ENCLOSURE FOR ELEVATOR CAB LIGHTS & EXHAUST. SWITCH SHALL BE CAPABLE OF BEING LOCKED "OFF". MOUNT AT 6'-0" AFF TO TOP AND LABEL WITH CIRCUIT NUMBER. COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER. PROVIDE FINAL ELECTRICAL CONNECTION TO ELEVATOR CONTROLLER LOCATED IN HOISTWAY WALL AT SECOND FLOOR LANDING.
- 17. NOTE DELETED.
- 18. 3-PHASE POWER FEEDER AND (2) #18 STRANDED CU CONDUCTORS FROM ELEVATOR POWER MODULE SWITCH TO 'JH1' DISCONNECT SWITCH.
- 19. ELEVATOR CONTROLLER IN HOISTWAY WALL AT SECOND FLOOR LANDING. VERIFY EXACT LOCATION AND REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER.
- 20. INSTALL LIGHT AND RECEPTACLE ON WALL OF ELEVATOR PIT. VERIFY EXACT LOCATION WITH ELEVATOR EQUIPMENT INSTALLER. INSTALL LIGHT SWITCH ADJACENT TO PIT LADDER AT 48" ABOVE FLOOR LANDING.
- 21. INSTALL LIGHT AND RECEPTACLE ON WALL OF ELEVATOR HOISTWAY ABOVE SECOND FLOOR LANDING. VERIFY EXACT LOCATION WITH ELEVATOR EQUIPMENT INSTALLER. INSTALL LIGHT SWITCH ADJACENT TO ENTRY AT 48" ABOVE FLOOR LANDING.
- 22. SWITCH EXHAUST FAN WITH ROOM LIGHTS.
- 23. ROUTE CIRCUIT THROUGH CONTACTOR INDICATED. SEE 5/E6.1.
- 24. SIMPLEX RECEPTACLE IN ELEVATOR PIT FOR ELEVATOR SUMP PUMP. COORDINATE EXACT MOUNTING LOCATION WITH PLUMBING CONTRACTOR AND ELEVATOR EQUIPMENT INSTALLER.
- 25. ELEVATOR SUMP PUMP ALARM PANEL IN CLOSET BELOW STAIR LANDING. PROVIDE 120V POWER CONNECTION AND 1" CONDUIT WITH PULL STRING STUBBED INTO ELEVATOR PIT FOR CONTROL CABLING. COORDINATE ALL WORK WITH PLUMBING CONTRACTOR.
- 26. MOUNT LIGHT FIXTURE FOR CLOSET BELOW STAIR LANDING. MOUNT TO STRUCTURE.
- 27. ROUTE DRYER CIRCUIT THROUGH CURRENT FOR OPERATION OF OUTSIDE AIR INTAKE HOOD. HOOD DAMPER SHALL OPEN WHEN ANY DRYER IS OPERATING. SEE DETAIL 2/E6.2.
- 28. COORDINATE EXACT MOUNTING LOCATION OF DRINKING FOUNTAIN RECEPTACLE WITH PLUMBING CONTRACTOR.
- 29. PROVIDE 120V POWER CONNECTION TO SEWAGE EJECTOR ALARM PANEL AND SIMPLEX RECEPTACLE FOR POWER TO SEWAGE EJECTOR PUMP. COORDINATE REQUIREMENTS WITH G.C. AND PLUMBING CONTRACTOR.
- 30. PROVIDE DOOR ANNUNCIATOR SYSTEM A/V HORN/STROBE DEVICE AND LOW VOLTAGE TRANSFORMER AT ALL ACCESSIBLE APARTMENTS AND ALSO AT APARTMENTS DESIGNATED HEARING-IMPAIRED. INSTALL HORN/STROBE APPLIANCE AT 80" AFF. INSTALL TRANSFORMER IN DOUBLE GANG JUNCTION BOX ABOVE HORN/STROBE WITH BLANK COVER PLATE AND PROVIDE LOW VOLTAGE CONTROL WIRING. SEE DETAIL 3, SHEET E6.2. PROVIDE ENGRAVED SIGN AT THE HORN/STROBE DEVICE TO READ "DOOR".
- 31. PROVIDE PUSH BUTTON AT 48" AFF FOR ANNUNCIATOR SYSTEM AT ALL ACCESSIBLE APARTMENTS AND ALSO AT APARTMENTS DESIGNATED FOR HEARING-IMPAIRED. REFER TO ARCH DRAWINGS FOR APPLICABLE ROOMS. SEE DETAIL 3, SHEET E6.2.
- 32. IN ADA/ACCESSIBLE UNITS, DISPOSER SWITCH SHALL BE COUNTERTOP MOUNTED, AIR ACTIVATED PUSH BUTTON TYPE, FINISH TO MATCH SINK. COORDINATE EXACT LOCATION OF PUSH BUTTON WITH ARCHITECT.
- 33. RELAY FOR CONTROL OF MOTORIZED INTAKE HOOD ON ROOF. SEE 2/E6.2.
- 34. TIMECLOCK AND CONTACTORS FOR LIGHTING AND RECEPTACLE CONTROL. RE: 5/E6.1.
- 35. 2-HOUR DIAL TIMER OVERRIDE SWITCH FOR SWITCHED RECEPTACLES. SEE 5/E6.1.
- 36. LINE VOLTAGE CEILING OCCUPANCY SENSOR/PHOTOCELL WITH DAYLIGHT HARVESTING CAPABILITY. SENSOR SHALL DIM 0-10V LIGHTS WHEN ADEQUATE DAYLIGHT IS PRESENT. SENSORWORX #SWX-2-3-1-2-D OR EQUAL.
- 37. PRESET SLIDE DIMMER, 0-10V, LEVITON #P710-DLZ OR EQUAL. COORDINATE DEVICE COLOR WITH ARCHITECT.
- 38. ONE RECEPTACLE SHALL BE CONNECTED TO CIRCUIT #44 (UNCONTROLLED) AND THE OTHER RECEPTACLES SHALL BE CONNECTED TO CIRCUIT #46 (CONTROLLED). CONTROLLED RECEPTACLE SHALL BE MARKED IN ACCORDANCE WITH NEC 406.3(E).
- 39. RECEPTACLE FOR POWER TO FUTURE RADON FAN. INSTALL RECEPTACLE IN ROOM 306 ON WALL AT APPROX. 12" BELOW UNDERSIDE OF ROOF. INSTALL RECEPTACLE IN APARTMENT - 24 (312) ABOVE CEILING OF LAUNDRY ROOM, ADJACENT TO ACCESS PANEL.

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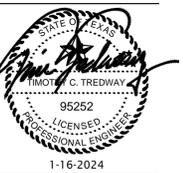
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- # ELECTRICAL PLAN NOTES BY SYMBOL**
- CONNECT EXHAUST FAN PROVIDED BY MECHANICAL CONTRACTOR.
  - PROVIDE 30A/2P SNAP SWITCH AND CONNECT WATER HEATER.
  - PROVIDE 60A/2P DISCONNECT SWITCH AND CONNECT TO BLOWER COIL WITH ELECTRIC HEAT. SEE EQUIPMENT SCHEDULE FOR MORE INFORMATION. COORDINATE REQUIREMENTS WITH M.C.
  - SPLIT-WIRE DUPLEX RECEPTACLE BELOW COUNTER. TOP HALF OF RECEPTACLE TO BE SWITCHED FOR CONTROL OF GARBAGE DISPOSAL. BOTTOM HALF OF RECEPTACLE TO BE WIRED UNSWITCHED FOR DISHWASHER. RECEPTACLE SHALL BE LOCATED IN BACK OF BASE CABINET ADJACENT TO DISHWASHER TO ALLOW ACCESS. PROVIDE CORDS AND GROUNDING PLUGS AS REQUIRED FOR DISPOSER AND DISHWASHER.
  - PROVIDE 120V CONNECTION TO MICROWAVE/RANGE HOOD. STANDARD AND ADAPTABLE UNITS WILL HAVE MICROWAVE ABOVE RANGE. ACCESSIBLE UNITS WILL HAVE RANGE HOOD. COORDINATE EXACT ELECTRICAL ROUGH-IN REQUIREMENTS WITH EQUIPMENT PROVIDED. IF EQUIPMENT IS CORD AND PLUG, PROVIDE RECEPTACLE INSIDE CABINET ABOVE RANGE.
  - PROVIDE SWITCH IN ACCESSIBLE UNITS FOR CONTROL OF RANGE HOOD.
  - IN ACCESSIBLE UNITS, INSTALL COUNTERTOP RECEPTACLES A MINIMUM 36" AWAY FROM CORNER PER FAIR HOUSING ACT DESIGN MANUAL CHAPTER 5 'SIDE REACH OVER AN OBSTRUCTION' REQUIREMENTS. WHERE AN OBSTRUCTION PREVENTS 36" DISTANCE REQUIREMENT, INSTALL RECEPTACLE AS FAR FROM CORNER AS POSSIBLE. PROVIDE ADDITIONAL OUTLETS WITHIN 36" OF CORNER TO ENSURE COMPLIANCE WITH NEC SPACING REQUIREMENTS.
  - SWITCH CLOSEST TO DOOR SHALL CONTROL ALL LIGHTS IN BATHROOM, AND THE OTHER SWITCH SHALL CONTROL THE EXHAUST FAN.
  - PROVIDE PRESET SLIDE DIMMER COMPATIBLE WITH ASSOCIATED LIGHT FIXTURES.
  - PROVIDE TIMER SWITCH EQUAL TO AIR CYCLER 'SMART EXHAUST' FOR CONTROL OF EXHAUST FAN. SET SWITCH PER MANUFACTURER'S INSTRUCTIONS TO OPERATE FAN AS INDICATED BELOW:  
 1 BEDROOM: 20 MINUTES PER HOUR  
 2 BEDROOM: 35 MINUTES PER HOUR
  - ROUTE 120V CIRCUIT FOR HOT WATER RECIRCULATION PUMP (HWP) THROUGH ADJACENT AQUASTAT. PROVIDE 20A/1P SNAP SWITCH ADJACENT TO PUMP AND MAKE FINAL FLEXIBLE CONNECTION. COORDINATE WITH PLUMBING CONTRACTOR.
  - CONNECT UNBALANCED PORTION OF WATER HEATER LOAD TO PHASE LEG INDICATED.
  - (3) #12, #12G, 1/2" C FROM ASSOCIATED OUTDOOR UNIT ON ROOF. SEE SHEET E1.7.
  - 30A/3P MANUAL MOTOR CONTROLLER SNAP SWITCH (WITHOUT OVERLOAD PROTECTION) IN NEMA 1 ENCLOSURE, P&S #7803W OR EQUAL. MOUNT ADJACENT TO UNIT AND MAKE FINAL FLEXIBLE CONNECTION TO EQUIPMENT.
  - AT RECEPTACLES ABOVE KITCHEN COUNTERTOPS IN ACCESSIBLE UNITS (#109 & #203, PROVIDE 1" DEEP FLUSH TYPE EXTENSION ADAPTER, WIREMOLD #V5751WH, TO BRING RECEPTACLE CLOSER TO COUNTERTOP EDGE TO COMPLY WITH 24" SIDE REACH REQUIREMENT.
  - 30A/2P DISCONNECT SWITCH WITH SOLID NEUTRAL AND (1) 20A DUAL-ELEMENT, TIME DELAY FUSE IN NEMA 1 ENCLOSURE FOR ELEVATOR CAB LIGHTS & EXHAUST. SWITCH SHALL BE CAPABLE OF BEING LOCKED "OFF". MOUNT AT 6'-0" AFF TO TOP AND LABEL WITH CIRCUIT NUMBER. COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER. PROVIDE FINAL ELECTRICAL CONNECTION TO ELEVATOR CONTROLLER LOCATED IN HOISTWAY WALL AT SECOND FLOOR LANDING.
  - NOTE DELETED.
  - 3-PHASE POWER FEEDER AND (2) #18 STRANDED CU CONDUCTORS FROM ELEVATOR POWER MODULE SWITCH TO 'JH1' DISCONNECT SWITCH.
  - ELEVATOR CONTROLLER IN HOISTWAY WALL AT SECOND FLOOR LANDING. VERIFY EXACT LOCATION AND REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER.
  - INSTALL LIGHT AND RECEPTACLE ON WALL OF ELEVATOR PIT. VERIFY EXACT LOCATION WITH ELEVATOR EQUIPMENT INSTALLER. INSTALL LIGHT SWITCH ADJACENT TO PIT LADDER AT 48" ABOVE FLOOR LANDING.
  - INSTALL LIGHT AND RECEPTACLE ON WALL OF ELEVATOR HOISTWAY ABOVE SECOND FLOOR LANDING. VERIFY EXACT LOCATION WITH ELEVATOR EQUIPMENT INSTALLER. INSTALL LIGHT SWITCH ADJACENT TO ENTRY AT 48" ABOVE FLOOR LANDING.
  - SWITCH EXHAUST FAN WITH ROOM LIGHTS.
  - ROUTE CIRCUIT THROUGH CONTACTOR INDICATED. SEE 5/E6.1.
  - SIMPLEX RECEPTACLE IN ELEVATOR PIT FOR ELEVATOR SUMP PUMP. COORDINATE EXACT MOUNTING LOCATION WITH PLUMBING CONTRACTOR AND ELEVATOR EQUIPMENT INSTALLER.
  - ELEVATOR SUMP PUMP ALARM PANEL IN CLOSET BELOW STAIR LANDING. PROVIDE 120V POWER CONNECTION AND 1" CONDUIT WITH PULL STRING STUBBED INTO ELEVATOR PIT FOR CONTROL CABLING. COORDINATE ALL WORK WITH PLUMBING CONTRACTOR.
  - MOUNT LIGHT FIXTURE FOR CLOSET BELOW STAIR LANDING. MOUNT TO STRUCTURE.
  - ROUTE DRYER CIRCUIT THROUGH CURRENT SWITCH FOR OPERATION OF OUTSIDE AIR INTAKE HOOD. HOOD DAMPER SHALL OPEN WHEN ANY DRYER IS OPERATING. SEE DETAIL 2/E6.2.
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  - PROVIDE DOOR ANNUNCIATOR SYSTEM A/V HORN/STROBE DEVICE AND LOW VOLTAGE TRANSFORMER AT ALL ACCESSIBLE APARTMENTS AND ALSO AT APARTMENTS DESIGNATED HEARING-IMPAIRED. INSTALL HORN/STROBE APPLIANCE AT 80" AFF. INSTALL TRANSFORMER IN DOUBLE GANG JUNCTION BOX ABOVE HORN/STROBE WITH BLANK COVER PLATE AND PROVIDE LOW VOLTAGE CONTROL WIRING. SEE DETAIL 3, SHEET E6.2. PROVIDE ENGRAVED SIGN AT THE HORN/STROBE DEVICE TO READ "DOOR".
  - PROVIDE PUSH BUTTON AT 48" AFF FOR ANNUNCIATOR SYSTEM AT ALL ACCESSIBLE APARTMENTS AND ALSO AT APARTMENTS DESIGNATED FOR HEARING-IMPAIRED. REFER TO ARCH DRAWINGS FOR APPLICABLE ROOMS. SEE DETAIL 3, SHEET E6.2.
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  - TIMECLOCK AND CONTACTORS FOR LIGHTING AND RECEPTACLE CONTROL. RE: 5/E6.1.
  - 2-HOUR DIAL TIMER OVERRIDE SWITCH FOR SWITCHED RECEPTACLES. SEE 5/E6.1.
  - LINE VOLTAGE CEILING OCCUPANCY SENSOR/PHOTOCELL WITH DAYLIGHT HARVESTING CAPABILITY. SENSOR SHALL DIM 0-10V LIGHTS WHEN ADEQUATE DAYLIGHT IS PRESENT. SENSORWORK #SWX-2-3-1-2-D OR EQUAL.
  - PRESET SLIDE DIMMER, 0-10V, LEVITON #P710-DLZ OR EQUAL. COORDINATE DEVICE COLOR WITH ARCHITECT.
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**1 PARTIAL THIRD FLOOR ELECTRICAL PLAN**  
 1/4" = 1'-0"

RE: 1/E1.5 MATCHLINE  
 RE: 1/E1.6  
 RE: 1/E1.5 MATCHLINE  
 RE: 1/E1.6

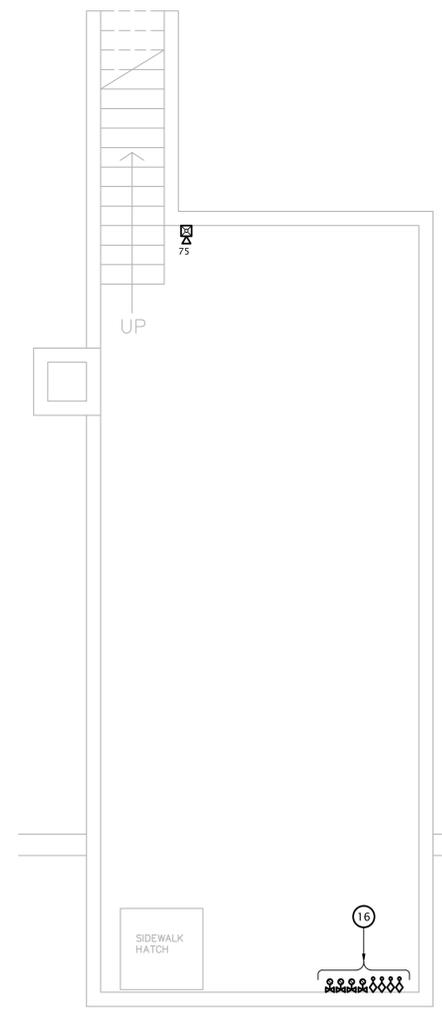
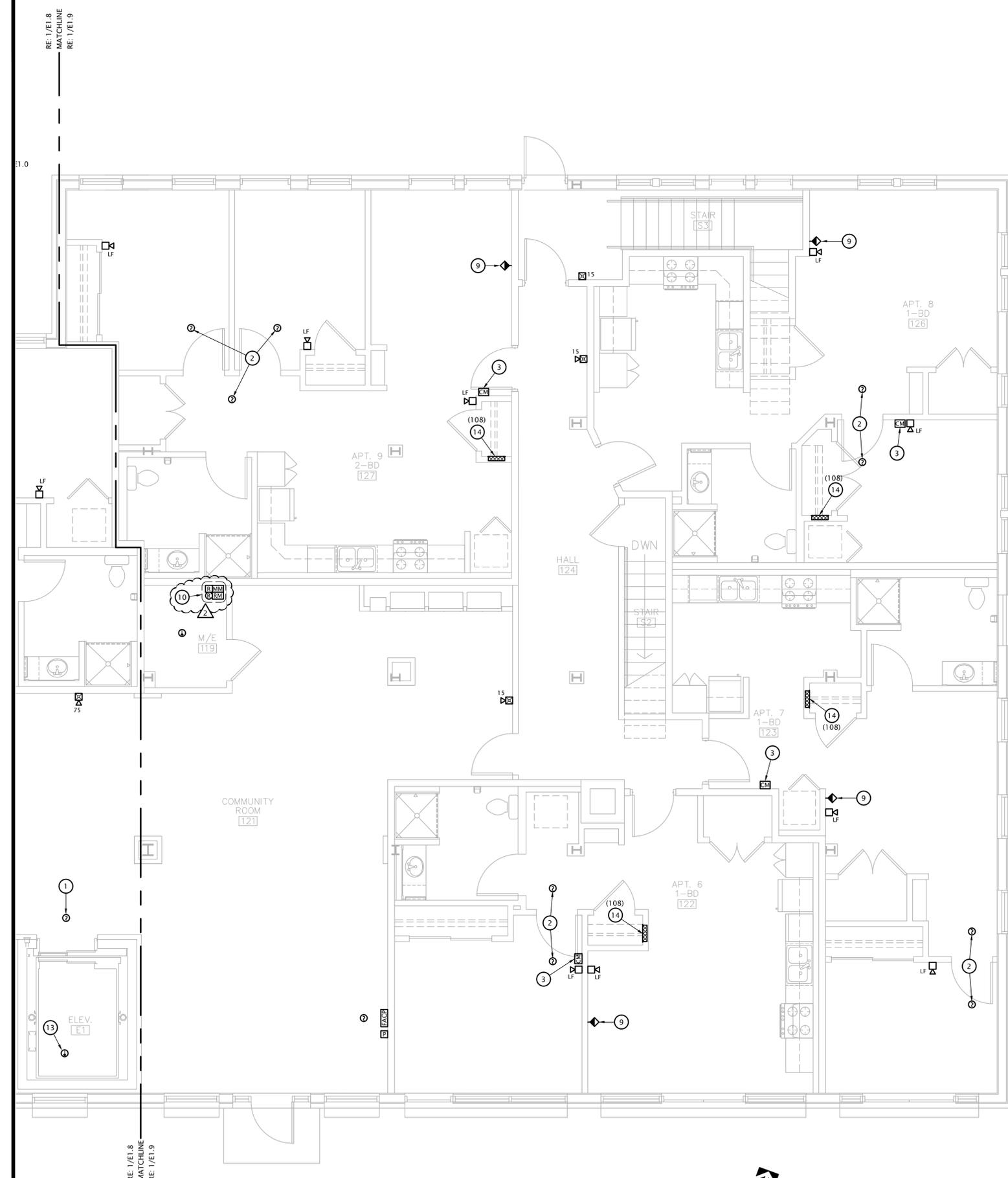


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**# SPECIAL SYSTEMS PLAN NOTES BY SYMBOL**

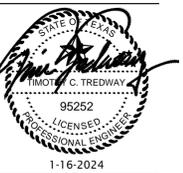
- ELEVATOR LOBBY SMOKE DETECTOR. SEE DETAIL 4:E6.1.
- FIRE ALARM SYSTEM COMBINATION CO / SMOKE DETECTOR.
- FIRE ALARM ADDRESSABLE CONTROL MODULE FOR CONTROL OF APARTMENT UNIT'S NOTIFICATION APPLIANCE CIRCUIT. MODULE SHALL BE PROGRAMMED TO ACTIVATE APARTMENT UNIT'S NOTIFICATION APPLIANCES UPON GENERAL BUILDING FIRE ALARM AND UPON ACTIVATION OF ANY SMOKE DETECTOR OR CO DETECTOR WITHIN APARTMENT UNIT. MOUNT FLUSH IN WALL AT 8'-0" AFF.
- TELEPHONE TERMINAL BOARD: COVER WALL WITH 4'X8'X3/4" ACX FIRE RETARDANT PLYWOOD SHEETS INSTALLED VERTICALLY WITH BOTTOM AT 6" AFF. PLYWOOD SHALL BE PERMANENTLY FASTENED TO THE WALL BY MEANS OF WALL ANCHORS UTILIZING GALVANIZED, ZINC PLATED, OR STAINLESS STEEL HARDWARE WITH A FLAT HEAD. FINISHED INSTALLATION SHALL HAVE FLUSH APPEARANCE WITH COUNTERSUNK SCREW HEADS TO PREVENT SPLITTING OF THE PLYWOOD. DRYWALL SCREWS ARE NOT ACCEPTABLE. PAINT WITH TWO COATS OF LIGHT GRAY FIRE RETARDANT SEALER PRIOR TO INSTALLATION OF ANY EQUIPMENT.
- TELECOMMUNICATIONS GROUND BAR AT 18" AFF. SEE DETAIL 6, SHEET E6.1.
- (2) 4" EMT CONDUIT SLEEVES FROM OVERHEAD IN M/E ROOM 108, THROUGH M/E ROOM 206, AND STUBBED UP 4" ABOVE FINISHED FLOOR OF M/E ROOM 306 FOR COMMUNICATIONS BACKBONE CABLING. PROVIDE WITH FIRESTOPPING FITTINGS (WIREMOLD #FS4R-RED) AT BOTH ENDS.
- (2) 4" CONDUITS FOR COMMUNICATIONS SERVICE CABLING ROUTED CONCEALED OVERHEAD AND STUBBED INTO M/E ROOM 108.
- SEAL CONDUIT PENETRATIONS THROUGH EXTERIOR WALL WEATHERTIGHT.
- COORDINATE FINAL LOCATIONS OF ALL CATV AND PHONE OUTLETS WITH OWNER. SEE 1:E6.2 FOR OUTLET DETAILS.
- ADDRESSABLE AND CONVENTIONAL FIRE ALARM RELAYS FOR ELEVATOR POWER SHUNT-TRIP, AND ADDRESSABLE MONITORING MODULE AND CONTROL RELAY FOR MONITORING OF SHUNT TRIP VOLTAGE. SEE DETAIL 4:E6.1.
- ADDRESSABLE FIRE ALARM RELAYS FOR ELEVATOR PRIMARY AND ALTERNATE FLOOR RECALL AND FIREMAN'S HAT. MOUNT ON HOISTWAY WALL ABOVE CEILING AND PROVIDE ACCESS PANEL IN CEILING AS REQUIRED. COORDINATE WITH ELEVATOR EQUIPMENT INSTALLER AND G.C. SEE DETAIL 4:E6.1.
- INSTALL SMOKE DETECTOR AND HEAT DETECTOR AT TOP OF ELEVATOR HOISTWAY PER LOCAL JURISDICTION REQUIREMENTS. SEE DETAIL 4:E6.1.
- INSTALL HEAT DETECTOR IN ELEVATOR PIT. SEE DETAIL 4:E6.1.
- TELECOM DISTRIBUTION DEVICE APPROXIMATELY 4'-0" AFF. SEE DETAIL 1:E6.2. COORDINATE EXACT REQUIREMENTS WITH UTILITY PROVIDER SELECTED BY OWNER. HOMERUN CAT6 AND COAX CABLE TO ROOM INDICATED.
- PROVIDE 4-PAIR, CAT5e UTP, NEC TYPE 'CMP' CABLE (SUPERIOR ESSEX #51-241-48 OR EQUAL) IN 3/4" CONDUIT FROM TOP OF ELEVATOR CONTROLLER TO TELECOM TERMINAL BOARD IN M/E 108 FOR EMERGENCY ELEVATOR CAB TELEPHONE.
- PROVIDE FIRE ALARM RELAYS AND MONITORING MODULES FOR ALL FIRE SPRINKLER FLOW SWITCHES, AND BELL/GONG. SEE E1.1 SITE PLAN FOR LOCATION OF TAMPER SWITCHES. COORDINATE QUANTITIES AND LOCATIONS WITH FIRE SPRINKLER CONTRACTOR PRIOR TO BID.
- ELEVATOR CONTROLLER IN HOISTWAY WALL AT SECOND FLOOR LANDING. VERIFY EXACT LOCATION AND REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER.

NOTE: ALL FIRE PROTECTION WORK MUST BE PROVIDED BY A FIRE PROTECTION COMPANY/INSTALLER LICENSED BY THE TEXAS STATE FIRE MARSHAL'S OFFICE. FIRE PROTECTION PLANS SHALL BE SUBMITTED DIRECTLY TO THE SAN ANGELO FIRE MARSHAL'S OFFICE FOR REVIEW.



**1 PARTIAL FIRST FLOOR SPECIAL SYSTEM PLAN**  
 1/4" = 1'-0"

**2 BASEMENT SPECIAL SYSTEMS PLAN**  
 1/4" = 1'-0"



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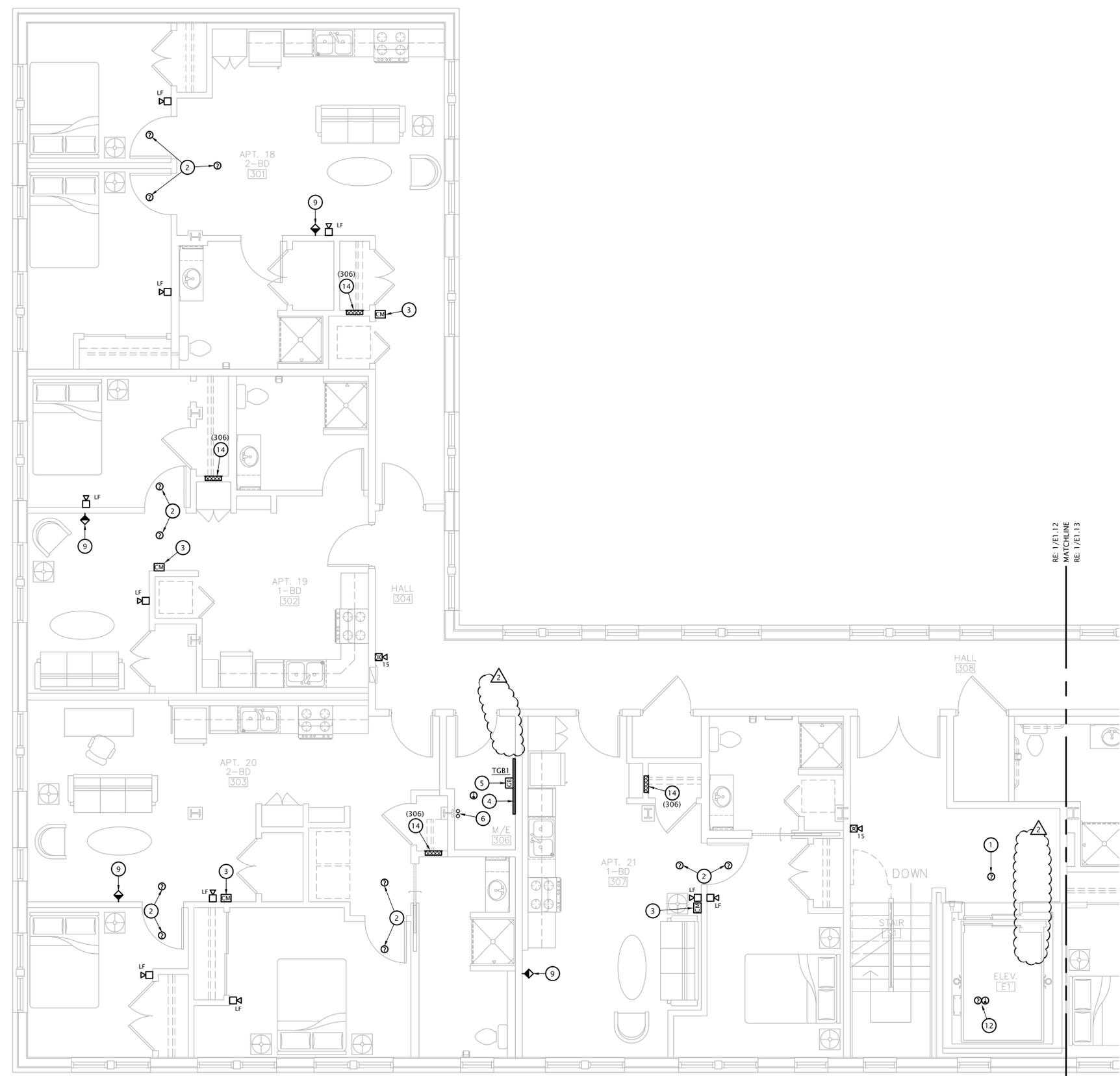
**SPECIAL SYSTEMS PLAN NOTES BY SYMBOL**

1. ELEVATOR LOBBY SMOKE DETECTOR. SEE DETAIL 4-E6.1.
2. FIRE ALARM SYSTEM COMBINATION CO / SMOKE DETECTOR.
3. FIRE ALARM ADDRESSABLE CONTROL MODULE FOR CONTROL OF APARTMENT UNIT'S NOTIFICATION APPLIANCE CIRCUIT. MODULE SHALL BE PROGRAMMED TO ACTIVATE APARTMENT UNIT'S NOTIFICATION APPLIANCES UPON GENERAL BUILDING FIRE ALARM AND UPON ACTIVATION OF ANY SMOKE DETECTOR OR CO DETECTOR WITHIN APARTMENT UNIT. MOUNT FLUSH IN WALL AT 8'-0" AFF.
4. TELEPHONE TERMINAL BOARD: COVER WALL WITH 4'X8'X3/4" ACX FIRE RETARDANT PLYWOOD SHEETS INSTALLED VERTICALLY WITH BOTTOM AT 6" AFF. PLYWOOD SHALL BE PERMANENTLY FASTENED TO THE WALL BY MEANS OF WALL ANCHORS UTILIZING GALVANIZED, ZINC PLATED, OR STAINLESS STEEL HARDWARE WITH A FLAT HEAD. FINISHED INSTALLATION SHALL HAVE FLUSH APPEARANCE WITH COUNTERSUNK SCREW HEADS TO PREVENT SPLITTING OF THE PLYWOOD. DRYWALL SCREWS ARE NOT ACCEPTABLE. PAINT WITH TWO COATS OF LIGHT GRAY FIRE RETARDANT SEALER PRIOR TO INSTALLATION OF ANY EQUIPMENT.
5. TELECOMMUNICATIONS GROUND BAR AT 18" AFF. SEE DETAIL 6, SHEET E6.1.
6. (2) 4" EMT CONDUIT SLEEVES FROM OVERHEAD IN M/E ROOM 108, THROUGH M/E ROOM 206, AND STUBBED UP 4" ABOVE FINISHED FLOOR OF M/E ROOM 306 FOR COMMUNICATIONS BACKBONE CABLING. PROVIDE WITH FIRESTOPPING FITTINGS (WIREMOLD #FS4R-RED) AT BOTH ENDS.
7. (2) 4" CONDUITS FOR COMMUNICATIONS SERVICE CABLING ROUTED CONCEALED OVERHEAD AND STUBBED INTO M/E ROOM 108.
8. SEAL CONDUIT PENETRATIONS THROUGH EXTERIOR WALL WEATHERTIGHT.
9. COORDINATE FINAL LOCATIONS OF ALL CATV AND PHONE OUTLETS WITH OWNER. SEE 1-E6.2 FOR OUTLET DETAILS.
10. ADDRESSABLE AND CONVENTIONAL FIRE ALARM RELAYS FOR ELEVATOR POWER SHUNT-TRIP, AND ADDRESSABLE MONITORING MODULE AND CONTROL RELAY FOR MONITORING OF SHUNT TRIP VOLTAGE. SEE DETAIL 4-E6.1.
11. ADDRESSABLE FIRE ALARM RELAYS FOR ELEVATOR PRIMARY AND ALTERNATE FLOOR RECALL AND FIREMAN'S HAT. MOUNT ON HOISTWAY WALL ABOVE CEILING AND PROVIDE ACCESS PANEL IN CEILING AS REQUIRED. COORDINATE WITH ELEVATOR EQUIPMENT INSTALLER AND G.C. SEE DETAIL 4-E6.1.
12. INSTALL SMOKE DETECTOR AND HEAT DETECTOR AT TOP OF ELEVATOR HOISTWAY PER LOCAL JURISDICTION REQUIREMENTS. SEE DETAIL 4-E6.1.
13. INSTALL HEAT DETECTOR IN ELEVATOR PIT. SEE DETAIL 4-E6.1.
14. TELECOM DISTRIBUTION DEVICE APPROXIMATELY 4'-0" AFF. SEE DETAIL 1-E6.2. COORDINATE EXACT REQUIREMENTS WITH UTILITY PROVIDER SELECTED BY OWNER. HOMERUN CAT6 AND COAX CABLE TO ROOM INDICATED.
15. PROVIDE 4-PAIR, CAT5e UTP, NEC TYPE 'CMP' CABLE (SUPERIOR ESSEX #51-241-48 OR EQUAL) IN 3/4" CONDUIT FROM TOP OF ELEVATOR CONTROLLER TO TELECOM TERMINAL BOARD IN M/E 108 FOR EMERGENCY ELEVATOR CAB TELEPHONE.
16. PROVIDE FIRE ALARM RELAYS AND MONITORING MODULES FOR ALL FIRE SPRINKLER FLOW SWITCHES, AND BELL/GONG. SEE E1.1 SITE PLAN FOR LOCATION OF TAMPER SWITCHES. COORDINATE QUANTITIES AND LOCATIONS WITH FIRE SPRINKLER CONTRACTOR PRIOR TO BID.
17. ELEVATOR CONTROLLER IN HOISTWAY WALL AT SECOND FLOOR LANDING. VERIFY EXACT LOCATION AND REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER.



**1 PARTIAL SECOND FLOOR SPECIAL SYSTEMS PLAN**  
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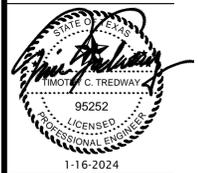
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**# SPECIAL SYSTEMS PLAN NOTES BY SYMBOL**

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4. TELEPHONE TERMINAL BOARD: COVER WALL WITH 4'X8'X3/4" ACX FIRE RETARDANT PLYWOOD SHEETS INSTALLED VERTICALLY WITH BOTTOM AT 6" AFF. PLYWOOD SHALL BE PERMANENTLY FASTENED TO THE WALL BY MEANS OF WALL ANCHORS UTILIZING GALVANIZED, ZINC PLATED, OR STAINLESS STEEL HARDWARE WITH A FLAT HEAD. FINISHED INSTALLATION SHALL HAVE FLUSH APPEARANCE WITH COUNTERSUNK SCREW HEADS TO PREVENT SPLITTING OF THE PLYWOOD. DRYWALL SCREWS ARE NOT ACCEPTABLE. PAINT WITH TWO COATS OF LIGHT GRAY FIRE RETARDANT SEALER PRIOR TO INSTALLATION OF ANY EQUIPMENT.
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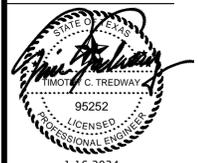
**1 PARTIAL THIRD FLOOR SPECIAL SYSTEMS PLAN**  
 1/4" = 1'-0"



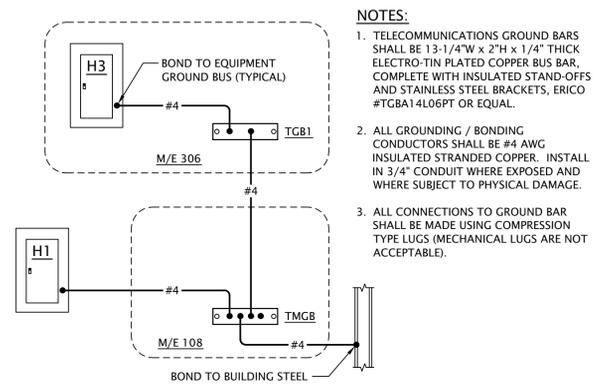
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**E1.12**

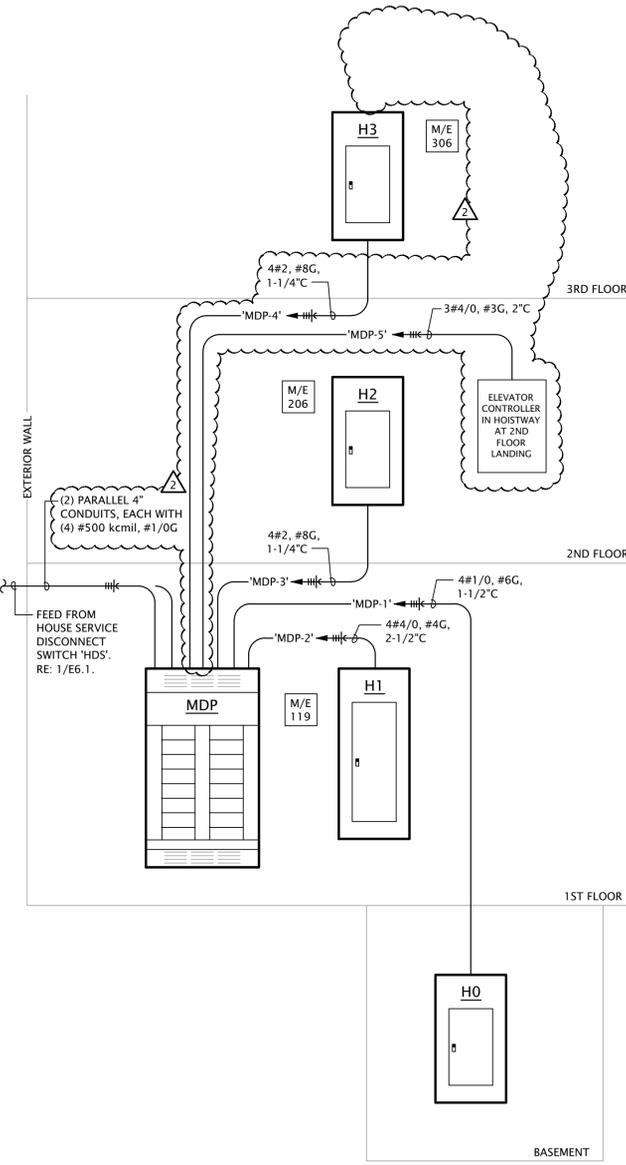
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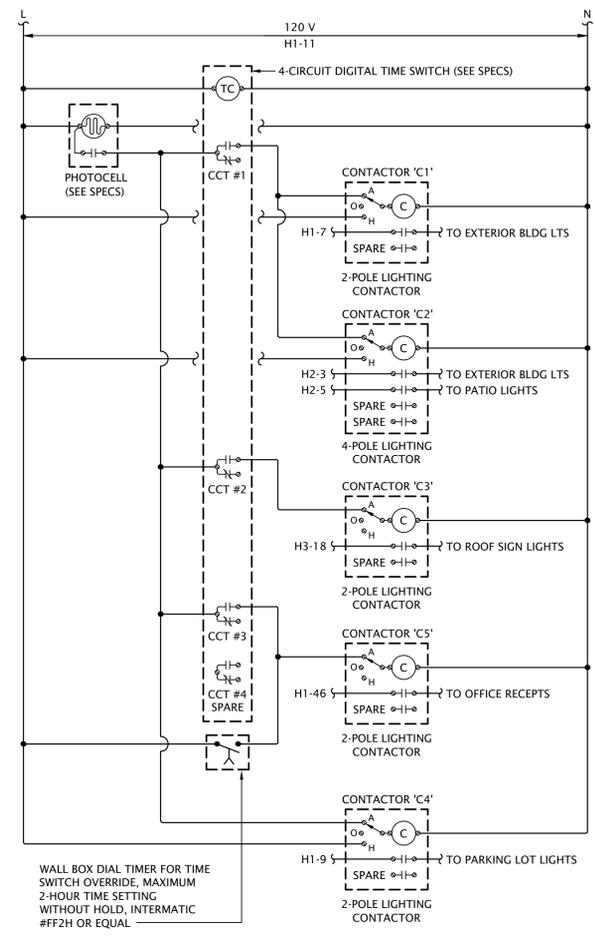
REVISION: 1-16-2024  
 ASI #4 05-29-2024  
 DATE: 1-16-2024  
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 SHEET NO.:



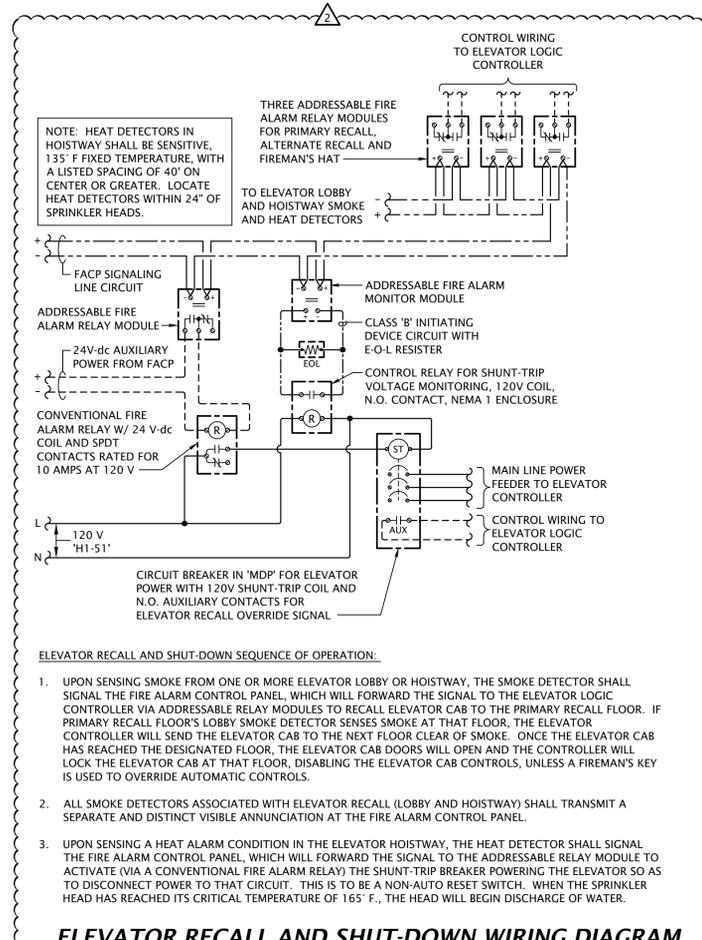
**6 TELECOM GROUNDING & BONDING DIAGRAM**  
 No Scale



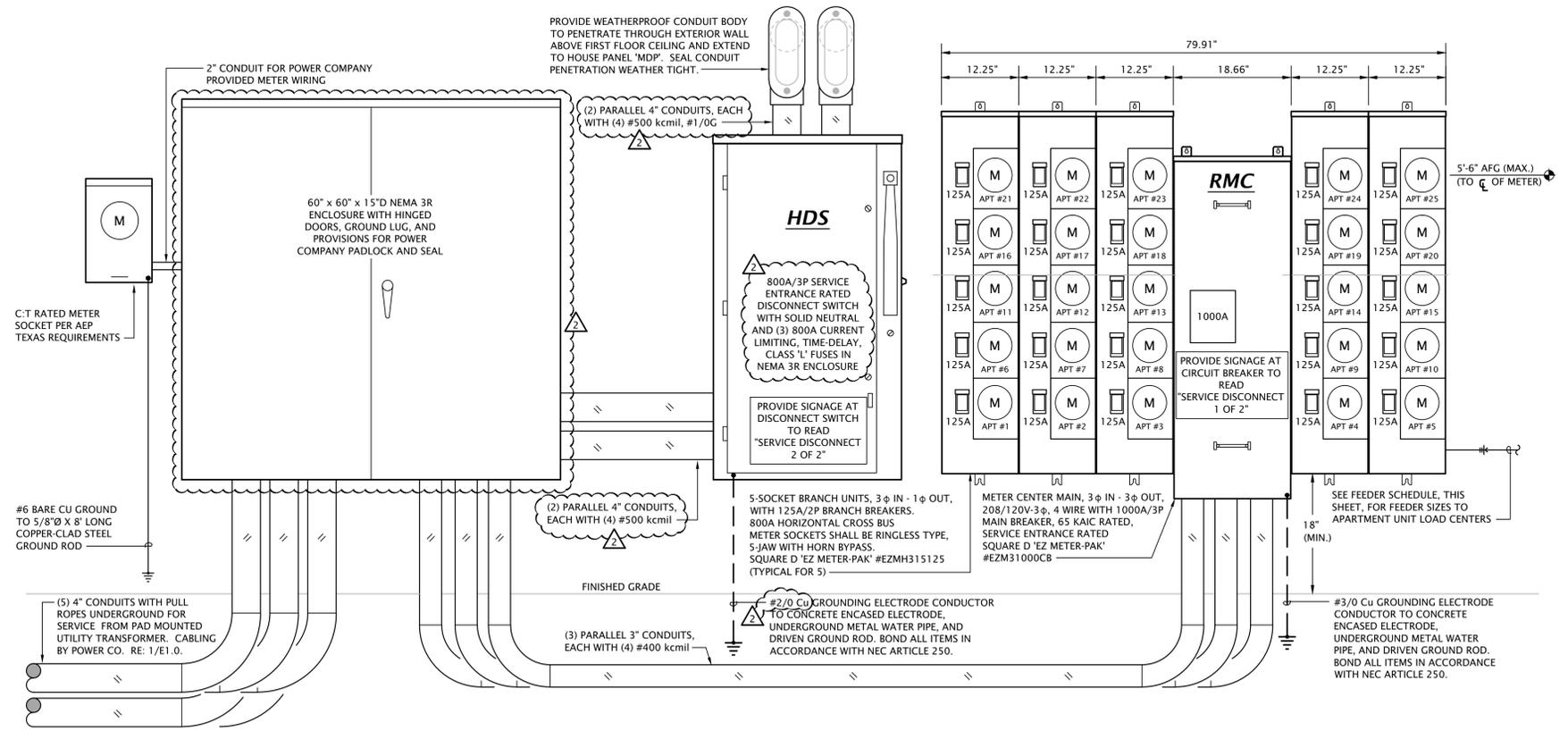
**7 ELECTRICAL RISER DIAGRAM - HOUSE DISTRIBUTION**  
 No Scale



**5 LIGHTING CONTROL DIAGRAM**  
 No Scale



**4 ELEVATOR RECALL AND SHUT-DOWN WIRING DIAGRAM**  
 No Scale



**1 ELECTRICAL RISER DIAGRAM - SERVICE EQUIPMENT**  
 No Scale

Apartment #	Feeder Size
#1 (109), #2 (112), #3 (113), #4 (114), #5 (118), #9 (127) #10 (201), #11 (202), #12 (203), #13 (207), #14 (209) #18 (301), #19 (302), #21 (307)	COPPER (BASE BID): (3)#2, #6G IN 1-1/4" C OR MC-CABLE ALUMINUM (ALTERNATE BID): (3)#1/0, #4G IN 1-1/4" C OR MC-CABLE
#6 (122), #8 (126) #15 (211), #17 (213) #20 (303), #22 (309)	COPPER (BASE BID): (3)#1, #4G IN 1-1/4" C OR MC-CABLE ALUMINUM (ALTERNATE BID): (3)#2/0, #2G IN 1-1/2" C OR MC-CABLE
#7 (123) #16 (212) #23 (311), #24 (312), #25 (313)	COPPER (BASE BID): (3)#1/0, #3G IN 1-1/2" C OR MC-CABLE ALUMINUM (ALTERNATE BID): (3)#3/0, #1G IN 2" C OR MC-CABLE

**NOTES:**  
 1. Voltage drop has been accounted for in sizes indicated, further up-sizing of feeders is not necessary  
 2. Ensure panel lugs are adequately sized to handle up-sized feeders.

- NOTES:**
- Meter Center main circuit breaker shall be 65 kAIC fully rated. Feeder breakers may be series rated with main breaker for a 65 kAIC rating.
  - All conductor sizes are based on copper, U.N.O.
  - Entire installation shall comply with NEC.
  - Coordinate all responsibilities and requirements with power utility company and pay associated fees. Contact Information: AEP Texas, Jacob D Carson, Technician Sr., (325) 657-2821, jdcarsen@aep.com
  - Coordinate final location of meter assemblies with utility company. Provide shop drawings of proposed equipment whether as specified or substituted to utility company for approval.
  - All meter center components shall be NEMA 3R.
  - All dimensions based on Square D equipment. It is the contractor's responsibility to verify the dimensions of substitute equipment.
  - For each meter, provide a permanent brass, copper or aluminum tag identifying the apartment served. Tags shall be securely fastened to the meter base and be stamped with 1/8" letters, minimum.

**Panel Designation: 1BR APT #**      **Mounting:** Flush  
**Location:** 1 Bedroom Apartment      **Bus Amps:** 125  
**Voltage:** 208/120V-1Ph-3W      **MCB Amps:** MLO  
**Enclosure:** NEMA 1      **Other:** 10 KAIC  
 Panel is typical for 1BR units

Circuit #	Load Description	Conductors	C/B Size	C/B Size	Conductors	Load Description	Circuit #
2	1 CLOSET RCPT (TELECOM)	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	KITCHEN/LIVING/HALL LTS	2
3	3 DISHWASHER/DISPOSAL	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	CLOTHES WASHER RCPT	4
3	5 HOOD/MICROWAVE	2#12, #12G, 1/2"C	20 / 1	30 / 2	3#10, #10G, 3/4"C	CLOTHES DRYER	6
3	7 REFRIGERATOR	2#12, #12G, 1/2"C	20 / 1				8
3	9 COUNTER TOP RCPTS	2#12, #12G, 1/2"C	20 / 1	40 / 2	3#8, #10G, 1"C	RANGE	10
3	11 COUNTER TOP RCPTS	2#12, #12G, 1/2"C	20 / 1				12
2	13 LIVING ROOM RCPTS	2#12, #12G, 1/2"C	20 / 1	25 / 2	2#10, #10G, 3/4"C	HEAT PUMP 'HP'	14
2	15 BATHROOM	2#12, #12G, 1/2"C	20 / 1				16
2	17 BEDROOM	2#12, #12G, 1/2"C	20 / 1	45 / 2	2#6, #10G, 3/4"C	BLOWER COIL 'BC'	18
	19 SPACE ONLY	---	---				20
	21 SPACE ONLY	---	---	30 / 2	2#10, #10G, 3/4"C	WATER HEATER 'HWH'	22
	23 SPACE ONLY	---	---				24

**Designation: H2**      **Manufacturer:** Square D 'NQ'  
**Location:** M/E 206      **Bus Amps:** 100  
**Voltage:** 208Y/120V-3Ph-4W      **MCB Amps:** MLO  
**Enclosure:** NEMA 1      **AIC Rating:** 10 KAIC  
**Mounting:** Surface

Circuit #	Load Description	Conductors	C/B Size	C/B Size	Conductors	Load Description	Circuit #
1	LTC: HALL/STAIR	2#12, #12G, 1/2"C	20 / 1	60 / 2	2#4, #10G, 3/4"C	'BC-4' (CIRCUIT #1)	2
3	LTC: EXTERIOR UPLIGHTS	2#12, #12G, 1/2"C	20 / 1				4
5	SPARE BREAKER	---	20 / 1	45 / 2	2#6, #10G, 3/4"C	'BC-4' (CIRCUIT #2)	6
7	RCPT: HALL W	2#12, #12G, 1/2"C	20 / 1				8
9	RCPT: HALL E	2#12, #12G, 1/2"C	20 / 1	20 / 1	---	SPARE BREAKER	10
11	RCPT: PATIO	2#12, #12G, 1/2"C	20 / 1	20 / 1	---	SPARE BREAKER	12
13	ELEVATOR CAB LTS/EXH	2#12, #12G, 1/2"C	20 / 1	---	---	SPACE ONLY	14
15	ELEV. HOISTWAY RCPT	2#12, #12G, 1/2"C	20 / 1	---	---	SPACE ONLY	16
17	ELEV. HOISTWAY LIGHT	2#12, #12G, 1/2"C	20 / 1	---	---	SPACE ONLY	18
19	SPACE ONLY	---	---	---	---	SPACE ONLY	20
21	SPACE ONLY	---	---	---	---	SPACE ONLY	22
23	SPACE ONLY	---	---	---	---	SPACE ONLY	24
25	SPACE ONLY	---	---	---	---	SPACE ONLY	26
27	SPACE ONLY	---	---	---	---	SPACE ONLY	28
29	SPACE ONLY	---	---	---	---	SPACE ONLY	30

**Designation: H0**      **Manufacturer:** Square D 'NQ'  
**Location:** Basement      **Bus Amps:** 225  
**Voltage:** 208Y/120V-3Ph-4W      **MCB Amps:** MLO  
**Enclosure:** NEMA 1      **AIC Rating:** 10 KAIC  
**Mounting:** Surface

Circuit #	Load Description	Conductors	C/B Size	C/B Size	Conductors	Load Description	Circuit #
1				20 / 1	2#12, #12G, 1/2"C	BASEMENT LIGHTS	2
3	'HWH-B' (NORTH)	3#6, #10G, 3/4"C	60 / 3	20 / 1	2#12, #12G, 1/2"C	BASEMENT HEATER 'EWH-4'	4
5				20 / 1	2#12, #12G, 1/2"C	HW RECIRC PUMP 'HWP'	6
7				20 / 1	2#12, #12G, 1/2"C	BASEMENT RCPTS	8
9	'HWH-B' (MID)	3#6, #10G, 3/4"C	60 / 3	20 / 1	2#12, #12G, 1/2"C	FIRE SPRINKLER FLOW/BELL	10
11				20 / 1	2#12, #12G, 1/2"C	SEWAGE EJECTOR CONTROL	12
13				20 / 1	2#12, #12G, 1/2"C	SEWAGE EJECTOR PUMP	14
15	'HWH-B' (SOUTH)	3#6, #10G, 3/4"C	60 / 3	---	---	SPACE ONLY	16
17				---	---	SPACE ONLY	18
19	SPACE ONLY	---	---	---	---	SPACE ONLY	20
21	SPACE ONLY	---	---	---	---	SPACE ONLY	22
23	SPACE ONLY	---	---	---	---	SPACE ONLY	24
25	SPACE ONLY	---	---	---	---	SPACE ONLY	26
27	SPACE ONLY	---	---	---	---	SPACE ONLY	28
29	SPACE ONLY	---	---	---	---	SPACE ONLY	30

**Panel Designation: 2BR APT #**      **Mounting:** Flush  
**Location:** 2 Bedroom Apartment      **Bus Amps:** 125  
**Voltage:** 208/120V-1Ph-3W      **MCB Amps:** MLO  
**Enclosure:** NEMA 1      **Other:** 10 KAIC  
 Panel is typical for 2BR units

Circuit #	Load Description	Conductors	C/B Size	C/B Size	Conductors	Load Description	Circuit #
2	1 CLOSET RCPT (TELECOM)	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	KITCHEN/LIVING/HALL LTS	2
3	3 DISHWASHER/DISPOSAL	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	CLOTHES WASHER RCPT	4
3	5 HOOD/MICROWAVE	2#12, #12G, 1/2"C	20 / 1	30 / 2	3#10, #10G, 3/4"C	CLOTHES DRYER	6
3	7 REFRIGERATOR	2#12, #12G, 1/2"C	20 / 1				8
3	9 COUNTER TOP RCPTS	2#12, #12G, 1/2"C	20 / 1	40 / 2	3#8, #10G, 1"C	RANGE	10
3	11 COUNTER TOP RCPTS	2#12, #12G, 1/2"C	20 / 1				12
2	13 LIVING ROOM RCPTS	2#12, #12G, 1/2"C	20 / 1	25 / 2	2#10, #10G, 3/4"C	HEAT PUMP 'HP'	14
	15 BATHROOM	2#12, #12G, 1/2"C	20 / 1				16
2	17 BEDROOM	2#12, #12G, 1/2"C	20 / 1	45 / 2	2#6, #10G, 3/4"C	BLOWER COIL 'BC'	18
2	19 BEDROOM	2#12, #12G, 1/2"C	20 / 1				20
	21 SPACE ONLY	---	---	30 / 2	2#10, #10G, 3/4"C	WATER HEATER 'HWH'	22
	23 SPACE ONLY	---	---				24

**Designation: H3**      **Manufacturer:** Square D 'NQ'  
**Location:** M/E 306      **Bus Amps:** 100  
**Voltage:** 208Y/120V-3Ph-4W      **MCB Amps:** MLO  
**Enclosure:** NEMA 1      **AIC Rating:** 10 KAIC  
**Mounting:** Surface

Circuit #	Load Description	Conductors	C/B Size	C/B Size	Conductors	Load Description	Circuit #
1	LTC: HALL/STAIR	2#12, #12G, 1/2"C	20 / 1	20 / 2	2#12, #12G, 1/2"C	HEAT PUMP 'HP-1.5'	2
3	ROOFTOP SIGN LIGHTS	2#12, #12G, 1/2"C	20 / 1				4
5	RCPT: ROOF	2#10, #10G, 1/2"C	20 / 1	40 / 2	2#8, #10G, 3/4"C	HEAT PUMP 'HP-4'	6
7	SPACE ONLY	---	---	---	---		8
9	SPACE ONLY	---	---	40 / 2	2#8, #10G, 3/4"C	OUTDOOR A/C UNIT 'OU-1'	10
11	SPACE ONLY	---	---	---	---		12
13	RCPT: FUTURE RADON FANS	2#12, #12G, 1/2"C	20 / 1	15 / 2	2#12, #12G, 1/2"C	OUTDOOR A/C UNIT 'OU-2'	14
15	SPARE BREAKER	---	20 / 1				16
17	SPARE BREAKER	---	20 / 1	20 / 1	2#12, #12G, 1/2"C	ROOF SIGN LIGHTING	18
19	RCPT: TELECOM BD	2#12, #12G, 1/2"C	20 / 1	20 / 1	---	SPARE BREAKER	20
21	RCPT: HALL W	2#12, #12G, 1/2"C	20 / 1	20 / 1	---	SPARE BREAKER	22
23	RCPT: HALL E	2#12, #12G, 1/2"C	20 / 1	20 / 1	---	SPARE BREAKER	24
25	SPACE ONLY	---	---	---	---	SPACE ONLY	26
27	SPACE ONLY	---	---	---	---	SPACE ONLY	28
29	SPACE ONLY	---	---	---	---	SPACE ONLY	30

**Designation: H1**      **Manufacturer:** Square D 'NQ'  
**Location:** M/E 119      **Bus Amps:** 225  
**Voltage:** 208Y/120V-3Ph-4W      **MCB Amps:** MLO  
**Enclosure:** NEMA 1      **AIC Rating:** 25 KAIC  
**Mounting:** Surface

Circuit #	Load Description	Conductors	C/B Size	C/B Size	Conductors	Load Description	Circuit #
1	LTC: OFFICE/RESTRMS	2#12, #12G, 1/2"C	20 / 1	15 / 2	2#12, #12G, 1/2"C	OUTDOOR A/C UNIT 'OU-3'	2
3	LTC: HALL/LAUNDRY	2#12, #12G, 1/2"C	20 / 1				4
5	LTC: COMMUNITY RM/HALL	2#12, #12G, 1/2"C	20 / 1	25 / 2	2#10, #10G, 1/2"C	HEAT PUMP 'HP-2.5'	6
7	EXTERIOR WALL LTS	2#12, #12G, 1/2"C	20 / 1				8
9	PARKING LOT POLE LTS	2#10, #10G, 3/4"C	20 / 1	50 / 2	2#6, #10G, 3/4"C	'BC-2.5b' (CIRCUIT #1)	10
11	EXTERIOR LTC CONTROLS	2#12, #12G, 1/2"C	20 / 1				12
13	CLOTHES DRYER	3#10, #10G, 3/4"C	30 / 2	25 / 2	2#10, #10G, 1/2"C	'BC-2.5b' (CIRCUIT #2)	14
15							16
17	CLOTHES DRYER	3#10, #10G, 3/4"C	30 / 2	40 / 2	2#8, #10G, 3/4"C	'BC-1.5'	18
							20
21	CLOTHES DRYER	3#10, #10G, 3/4"C	30 / 2	20 / 1	2#12, #12G, 1/2"C	WALL HEATER 'EWH-1'	22
23				20 / 1	2#12, #12G, 1/2"C	WALL HEATER 'EWH-2'	24
25	CLOTHES DRYER	3#10, #10G, 3/4"C	30 / 2	20 / 1	2#12, #12G, 1/2"C	WALL HEATER 'EWH-3'	26
27				20 / 1	2#12, #12G, 1/2"C	DRINKING FOUNTAIN	28
29	WASHER	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: TELECOM BOARD	30
31	WASHER	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: PANTRY MICROWAVE	32
33	WASHER	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: HALL W	34
35	WASHER	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: COMMUNITY RM	36
37	EV CHARGING STATION	2#8, #10G, 3/4"C	40 / 2	20 / 1	2#12, #12G, 1/2"C	RCPT: LAUNDRY/JAN	38
39				20 / 1	2#12, #12G, 1/2"C	RCPT: HALL E	40
41	EV CHARGING MAINT. RCPT	2#10, #10G, 3/4"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	FIRE ALARM CONTROL PNL	42
43	ELEVATOR PIT RCPT	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: OFFICE UNSWITCHED	44
45	ELEVATOR PIT LIGHT	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: OFFICE SWITCHED	46
47	ELEVATOR SUMP PUMP ALARM PANEL	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	DRYER MAKE-UP AIR CNTL	48
49	ELEVATOR SUMP PUMP RCPT	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: ROOFTOP	50
51	ELEVATOR SHUNT-TRIP PWR	2#12, #12G, 1/2"C	20 / 1	20 / 1	---	SPARE BREAKER	52
53	SPARE BREAKER	---	20 / 1	20 / 1	---	SPARE BREAKER	54
55	SPACE ONLY	---	---	---	---	SPACE ONLY	56
57	SPACE ONLY	---	---	---	---	SPACE ONLY	58
59	SPACE ONLY	---	---	---	---	SPACE ONLY	60

**CIRCUIT BREAKER DISTRIBUTION PANEL SCHEDULE**

**Designation:** MDP      **Enclosure:** NEMA 1      **Bus Amps:** 800  
**Location:** M/E 119      **Mounting:** Wall      **MCB Amps:** MLO  
**Voltage:** 208Y/120V-3Ph-4W      **Manufacturer:** Square D 'I-LINE'      **AIC Rating:** 30 KAIC

Circuit #	Equipment Served	Feeder Size	C/B Size	Remarks
1	PANEL 'H0'	SEE RISER DIAGRAM 2/E6.1	150/3	
2	PANEL 'H1'	SEE RISER DIAGRAM 2/E6.1	225/3	
3	PANEL 'H2'	SEE RISER DIAGRAM 2/E6.1	100/3	
4	PANEL 'H3'	SEE RISER DIAGRAM 2/E6.1	100/3	
5	ELEVATOR	SEE RISER DIAGRAM 2/E6.1	350/3	SEE NOTES 2 AND 3
6	BUSSED SPACE	---	225A	PROVISIONAL SPACE
7	BUSSED SPACE	---	225A	PROVISIONAL SPACE

**Notes:**  
 1. Provide panel with integral surge protection per specifications.  
 2. Provide breaker with 120v shunt trip coil and normally open auxiliary contacts.  
 3. Provide breaker with provisions for locking in the open position in compliance with NEC 110.25.

- PANEL SCHEDULE NOTES BY SYMBOL**
- CLASS 'A', 5mA RATED, GROUND FAULT CIRCUIT INTERRUPTING (GFCI) TYPE BREAKER.
  - ARC FAULT CIRCUIT INTERRUPTING (AFCI) TYPE BREAKER.
  - COMBINATION AFCI/GFCI BREAKER.



REVISION:  
 ▲ ASI #3 05-08-2024  
 ▲ ASI #4 05-29-2024  
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 JOB: 21-3166  
 SHEET NO.: