

ELECTRICAL SPECIFICATIONS

16010 GENERAL:

- 1.1 Contractor shall provide the following:
 - a. Labor.
 - b. Supplies.
 - c. Materials.
 - d. Shop Drawings.
 - e. Permits and inspection fees
 - f. Certificate of final inspection and approval.
 - g. One year guarantee.
- 1.2 Contractor shall perform the following:
 - a. Installation of all electrical equipment.
 - b. Coordination with other trades of electrical equipment installation.
 - c. Material protection during construction.
 - d. Test of entire system in presence of owner or his representative and correct any deficiencies discovered.
 - e. Coordination of electrical service and metering with local power company.
 - f. Coordination of telephone service with local telecommunications company.
- 1.3 Governing codes shall be the following:
 - a. National Electrical Code (NEC 1990) Code enforced in 1991
 - b. Utility Company regulations.
 - c. Americans with Disabilities Act
 - d. Current Applicable Building Code
 - e. Local Building Codes and Ordinances
 - f. Standard Building Code (SBC) Code enforced in 1991
 - g. The National Manufacturer's Association Standards (NEMA)
 - h. Underwriter Laboratories Incorporated Standards (UL)
 - i. American National Standard Institute (ANSI)
 - j. The Manufacturer's recommendation

- 1.4 Materials will be:
 - a. New.
 - b. U.L. Listed

16110 RACEWAYS

- 1.1 Use and type:
 - a. Service Entrance - Rigid Steel.
 - b. Feeders - Rigid steel up to 8'-0", if outdoor. EMT indoor or above 8'-0", if outdoor.
 - c. Branch Circuit, telephone, or communication - EMT.
 - d. In earth or concrete - schedule 40 PVC.
 - e. Recessed lighting fixtures - flexible steel conduit (short but maximum 72")
 - f. Outdoor final connection to equipment or in wet locations - liquid - tight flexible steel conduit (maximum 36")
 - g. All raceways, unless specifically indicated to be exposed, shall be concealed in walls, ceiling, or floors.
 - h. Paint all exposed raceways color as directed by the architect.
- 1.2 Conduit Bushings:
 - a. Provide insulated conduit bushings at each end of every conduit run.

16120 WIRES AND CABLES, 600 VOLT

- 1.1 Color Coding:

240/120V	Black
Phase A	Red
Phase B	White
Neutral	Green
Ground	

- 1.2 Insulation: THHN, THWN, XHHW 75 degree C.
- 1.3 Provide copper wiring unless aluminum is specifically shown on the drawings. When aluminum (compact) conductors are utilized - provide anti-oxidation inhibiting compound.
- 1.4 Fixture wire, 600 volt, 200 degree C, #14 AWG, minimum, stranded, tinned copper with silicone rubber insulation and an overall jacket of glass braid, and rated as NEC type "SF-2".
- 1.5 Type MC or AC cabling may be utilized for branch circuit wiring if acceptable to local jurisdiction having authority.
- 1.6 Type NMC cabling may be utilized for branch circuit wiring if acceptable to local jurisdiction having authority.
- 1.7 Type SE or USE cabling may be utilized for feeders to loadcenters in apartment units if acceptable to local jurisdiction having authority.
- 1.8 Voltage drop will not exceed 2% for feeders and 3% for branch circuits.

16130 BOXES

- 1.1 Attach securely to building construction or support from same.
- 1.2 Masonry boxes shall be RACO or Steel City.
- 1.3 Exposed boxes shall be cast type similar to Crouse Hinds type FS.
- 1.4 All others shall be stamped steel.
- 1.5 Floor Boxes:
 - a. Provide cast iron floor boxes with adjustable aftersets and brass coverplates. Provide number of gangs and devices indicated on drawings.

16140 WIRING DEVICES

- 1.1 Receptacles: (color as directed by architect)
 - a. Duplex - 15amp, 125VAC grounded.
 - b. Single - 15amp, 125VAC grounded.
 - c. Receptacles on dedicated circuits shall utilize 20 amp, 125VAC, grounded type.
- 1.2 Wall Switches: (color as directed by architect)
 - a. Single Pole - 20 Amp, 120/277V, single throw, quiet type, grounded.
 - b. Double Pole - 20 Amp, 120/277V, single throw, quiet type, grounded.
 - c. Three Way - 20 Amp, 120/277V, single throw, quiet type, grounded.
- 1.3 Coverplates: Provide finish and color directed by architect.

16150 ELECTRICAL SERVICE

- 1.1 General:
 - a. Provide new overhead service, 240/120V, coordinate service and metering with local power company prior to any work.
 - b. Provide transient voltage surge suppression device for each service entrance per Local Codes.

16170 PANELBOARDS

- 1.1 Panelboards shall have, but not be limited to the following:
 - a. Single phase, 3 wire, With Copper or Aluminum Busses
 - b. Ground bus with set screw connection
 - c. Solid neutral, 100% rated with set screw connection
 - d. Baked-on enamel trim
 - e. Switch rated Bolt-on breakers
 - f. Typewritten directory
 - g. Plaque, black with 1" high white letters to indicate panel name.
 - h. Square D, Siemens, or General Electric.

16190 GROUNDING

- 1.1 Service Entrance a. See grounding detail on riser sheets
- 1.2 Feeders and branch circuits: a. Provide a green insulated ground conductor, sized per the NEC, in each raceway and with all cabling.

16200 LIGHTING FIXTURES

- 1.1 Coordinate fixture trims with ceiling in/on which it is being installed.
- 1.2 Provide low temperature, high efficiency electronic ballasts in fluorescent fixtures.
- 1.3 Provide thermal overload protection in both fluorescent and incandescent fixtures.
- 1.4 Match voltage of fixture to circuit to which fixture is shown connected.
- 1.5 Narrative description in lighting fixture schedule takes precedence over catalog number.
- 1.6 All recessed fixtures installed in fire rated ceiling shall be provided with gypsum board enclosure, constructed and installed per UL requirements, around portion of fixture located above suspended ceiling to maintain fire rating of ceiling.

16210 EXISTING CONDITIONS

- 1.1 Visit site and become familiar with existing conditions in and around the building.

16220 TELEPHONE SERVICE

- 1.1 Coordinate telephone service requirements with local telephone company prior to any work. Telephone company requirements shall override and/or add to requirements indicated on the drawings.

16230 CATV SERVICE

- 1.1 Coordinate CATV service requirements with local CATV company prior to any work. CATV company requirements shall override and/or add to requirements indicated on the drawings.

16240 SAFETY SWITCH

- 1.1 Safety switches shall be general duty type, 600 or 250 volt, with number poles required. fused safety switches shall be quick-make, quick-break mechanism, visible blades with rejection type fuse clip and NEMA class "RH" fuses, the switches shall be NEMA 1 enclosure for indoor, NEMA 3R for outdoor. All switches shall be lockable.

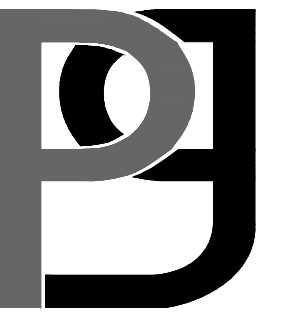
16250 FIRE RATED SEALS

- 1.1 Provide fire rated seal per UL requirements, for each penetration of fire rated wall or each conduit or sleeve penetrating a fire rated floor or ceiling to maintain fire rating of floor, wall, or ceiling.

16270 FIRE ALARM SYSTEM

1. Fire Alarm System:
 - a. Furnish and install complete fire alarm (FA) systems as indicated on drawings consisting of smoke detectors outside each sleeping room, each public room, each mechanical area or work area, including A/Y alarms, thermal detectors in mechanical spaces as required by code. Locate the FA control panel as shown or as required by the Fire Marshall. The FA system shall be formally planned by a licensed FA contractor who shall submit signed and sealed drawings, if required for permit, and shall supervise and certify the installation. FA system contractor shall review the mechanical drawings and provide and install duct smoke detectors as required in the standard mechanical code and by the local Fire Marshall. Fire Alarm device locations indicated on drawings are to obtain a permit. Fire Alarm Contractor. Design and installation shall comply with NFPA 72.
2. Control Panel/Annunciator:
 - a. Provide a Gamewell type IF610-126 Identiflex Analog Addressable Control Panel/Annunciator with alphanumeric display, analog addressable loop, notification appliance circuits, power supply/battery charger, batteries, enclosure, type 5495 Distributed Power Panel (with batteries and enclosure), type ZMS-4 Synchronization Modules, and type 5104 Dual Line Digital Communicator Panel (with batteries, enclosure and two type FAS-31XT RJ31J Phone Jack/Surge Protectors). Coordinate location with authority having jurisdiction prior to rough-in. Provide one year monitoring of system by a UL listed Central Monitoring Station as part of this contract. Required telephone circuits shall be the responsibility of the building owner. All references to model numbers and other pertinent information herein is intended to establish the standards of performance, quality and appearance and is based upon equipment designed and manufactured by the Gamewell Company. Equals from Simplex Time Recorder, Fire Lite, Pyrotronic, Notifier, Honeywell, or Radionics are acceptable.
3. Remote Annunciator:
 - a. Provide a Gamewell type RAN2-RCF Alphanumeric Annunciator with integral alphanumeric display, system control/test switches, key operated enable switch and type RAN2-BB Back Box. Coordinate location with authority having jurisdiction prior to rough-in.
4. Manual Stations:
 - a. Provide Gamewell type MS-95 Analog Addressable Manual Stations with STI-1100 Protective Covers (with integral horn and 9V battery) as shown on the plans.
5. System Smoke Detectors:
 - a. Provide Gamewell type XP95-P Analog Addressable Photoelectric Smoke Detectors with type XP95-B6 Bases as shown on the plans.
6. Photoelectric Single Station Smoke Detectors:
 - a. Provide Gentex type 9123 Photoelectric Single Station Smoke Detectors with integral temporal horn and 9VDC Battery outside of all sleeping areas.
7. Heat Detectors:
 - a. Provide Gamewell type XP95-T Adjustable Analog Addressable Thermal Detectors with type XP95-B6 Bases as shown on the plans. Provide 210 degree at top of elevator shaft and in elevator pit. All other Heat Detectors shall be 135 degree rate of rise
8. Duct Mount Smoke Detectors:
 - a. Provide Gamewell type XP95-PD Duct Mount Analog Addressable Photoelectric Smoke Detectors with type 70896 Sampling Tubes and type RCE-95 Addressable Control Relays as shown on the plans and as required to comply with the Mechanical Code.
9. Addressable Monitor Modules:
 - a. Provide Gamewell type PID-95P Addressable Monitor Modules as shown on the plans to monitor sprinkler flow switches, sprinkler valve supervisory switches, and sprinkler fire pump (as required).
10. Addressable Control Modules:
 - a. Provide Gamewell type RCE-95 Addressable Control Modules as required for interface with the elevator controls, elevator power controls and HVAC controls (as required).
11. Alarm Signals:
 - a. Provide type SHG24-15/75-WW Horn Strobe Alarm Signals as shown on the plans for all public areas. Provide type GX5-4-15/75WW Strobe Visual Alarm Signals for all strobe only locations as shown on the plans. Provide type GX90-4W Mini-Horns as shown on the plans in all apartments.
12. Wiring:
 - a. Wiring shall be concealed in conduit. Provide wiring and conduit as directed by the manufacturer's authorized distributor.
13. Applicable Codes and Standards:
 - a. All equipment shall be U.L. listed for its intended use. All raceways and wiring shall be installed in compliance with NFPA Standard 70 (National Electrical Code).
 - b. NFPA Standards 71 and 72.
 - c. NFPA 101 (Life Safety Code)
 - d. Americans with Disabilities Act (ADA).
 - e. Standard Building Code (SBC).
 - f. Applicable local and national codes, and authorities having jurisdiction.
14. System Operation:
 - a. Actuation of any fire alarm initiating device shall immediately cause the following actions to be initiated.
 1. Identify the type of alarm, specific device and location on the back lit LCD display at the building fire alarm control panel and at the remote annunciators.
 2. Cause the system alarm LED to flash at the fire alarm control panel.
 3. Cause all system horns to sound.
 4. Cause all visual alarm signals to flash.
 5. Activate the digital communicator to report the type of alarm and location to the remote central monitoring station. Coordinate connections with owner's representative.
 6. Activate signals to the building door lock controls to deactivate locks.
 7. Activate signals to the HVAC controls to initiate shut down or rerouting of air handling systems.
15. Activation of any elevator lobby smoke detector, elevator shaft smoke detector or elevator machine room smoke detector during the alarm verification period (if so programmed) shall in addition to the above listed functions activate signals to the elevator controls to override automatic elevator programming and cause immediate nonstop return of all automatic elevators to the primary discharge level except that, when the alarm has been initiated on the primary discharge level, the elevators shall be returned to the designated alternate discharge level.
16. Activation of any elevator machine room or elevator shaft heat sensor shall in addition to the before listed functions activate signals to the elevator controls to override automatic elevator programming and cause immediate nonstop return of all automatic elevators to the designated discharge level and disconnect elevator power circuits.
17. Activation of any sprinkler valve supervisory switch shall automatically:
 - (1) Cause the system supervisory LED to flash and an audible indicator to sound at the control panel and remote annunciator(s).
 - (2) Operation of the alarm acknowledge switch at the fire alarm control panel or at the remote annunciator shall permit the silencing of the alarm signals during the alarm condition. The silencing of the alarm signals shall not prevent the resounding of the alarm devices should a subsequent alarm condition occur.
 - (3) Identify the supervisory condition, specific device and location on the back lit LCD display at the system control panel and the remote annunciator(s).
18. Shaft Smoke Detector:
 - a. HVAC shaft smoke detector provided by HVAC contractor, installed and electronically connected by Electrical contractor. See Mechanical drawing for return air Fire/Smoke damper @ shaft detail for installation details.

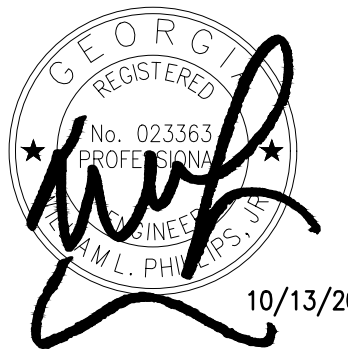
END OF SECTION



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SEAL



10/13/2023

PROJECT

Renovation of Existing
Group Home

4487 Trickum Road
Marietta, Georgia 30066

FOR

AARON ROSENHAFT,
LIAMARA RIVERS ESTATES,
LLC

REVISIONS

DATE 10.06.23

JOB NUMBER NC2230489

DRAWN BY TT

CHECKED BY CDF

DRAWING TITLE

Electrical
Specifications

DRAWING NUMBER

E002

LIGHTING FIXTURE SCHEDULE GENERAL NOTES

- COORDINATE WITH INTERIOR DESIGN OR LIGHTING CONSULTANTS REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHT FIXTURES AND CEILING TYPE FOR PROPER FIXTURE TRIM.
- LIGHT FIXTURES INSTALLED IN MECHANICAL EQUIPMENT ROOMS SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR TO AVOID CONFLICTS WITH DUCTWORK AND/OR PIPING.
- PROVIDE ZERO DEGREE DRIVERS FOR ALL EXTERIOR MOUNTED FIXTURES.
- PROVIDE SUFFICIENT QUANTITY OF DRIVERS IN FIXTURE BASED ON SWITCHING CONFIGURATION INDICATED ON PLANS.
- IF THERE IS A DISCREPANCY BETWEEN A FIXTURE DESCRIPTION, THE LIGHTING GENERAL NOTES, SPECIFICATIONS, AND THE CATALOG NUMBER LISTED THE MORE STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE.
- ALL FINAL SELECTIONS OF FIXTURES SHALL BE BY ARCHITECT/ CONTRACTOR. DESCRIPTIONS AND CATALOG NUMBERS ARE SHOWN AS BASIS OF DESIGN FOR CODE COMPLIANCE AND DESIGN INTENT.
- VERIFY FINISHES OF FIXTURES WITH ARCHITECT.
- VOLTAGE OF LIGHTING FIXTURE SHALL MATCH CIRCUIT TO WHICH IT IS CONNECTED.
- FINAL FIXTURE SELECTION TO BE APPROVED BY PROJECT ARCHITECT / CONTRACTOR.
- FOR RECESSED DOWNLIGHTS THAT PENETRATE BUILDING ENVELOPE, PROVIDE AIR TIGHT TYPE FIXTURE.
- ANY FIXTURE RECESSED IN A FIRE RATED CEILING SHALL BE PROVIDED WITH A FIRE RATED ENCLOSURE AROUND PORTION OF FIXTURE ABOVE CEILING. FIRE RATED ENCLOSURE SHALL MATCH FIRE RATING OF CEILING IT IS INSTALLED.
- PROVIDE A DIMMABLE DRIVER FOR ALL LED FIXTURES CONNECTED TO AND COMPATIBLE WITH DIMMING SYSTEM OR ARE SHOWN TO BE DIMMED WITH A COMPATIBLE DIMMING DEVICE.

LIGHTING FIXTURE SCHEDULE (GENERAL LIGHTING FIXTURES)

TYPE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	MOUNTING	MOUNTING HEIGHT	VOLTAGE	LAMPS	LUMENS	DIMMING	TOTAL WATTAGE	REMARKS
A	SURFACE ROUND	LITON	LCMPD7R-W-T30 (LCMPD7-EMA-BLANK (optional))	SURFACE CEILING	CEILING	UNV (120V-277V)	LED	1,100 LUMENS	YES	14W	7" SURFACE PUCK
AE	SURFACE ROUND	LITON	LCMPD7R-W-T30 / LCMPD7-EMA	SURFACE CEILING	9'	UNV (120V-277V)	LED	1,100 LUMENS 1,100 LUMENS EM	YES	14W	7" SURFACE PUCK WITH 90-MINUTE RATED BATTERY BACK-UP
W	OUTDOOR SCNCE	GARDCO	101L-16L-700-NW-G1-4-EBPC-UNV-PCB	SURFACE WALL	VARIES	UNV (120V-277V)	LED	3,535 LUMENS 1,100 LUMENS EM	NO	37W	LED WALL SCNCE WITH 90-MINUTE RATED BATTERY BACK-UP. PROVIDE WITH INTEGRAL
X	EXIT WITH BATTERY	BEGHELLI	VA4-R-SA-AT	SURFACE CEILING/WALL	VARIES	UNV (120V-277V)	LED	N/A	NO	3.2W	THERMOPLASTIC LED EXIT WHITE WITH RED LETTERS WITH 90-MINUTE RATED BATTERY BACK-UP

FLOOR PLAN GENERAL NOTES (APPLIES TO E102 & E103)

- INDICATES HVAC EQUIPMENT. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON E401.
- SEAL ALL PENETRATIONS IN EVERY FIRE RATED WALL AND FLOOR PER UL TO MAINTAIN THE WALL AND FLOOR ORIGINAL RATING
- COORDINATED ALL DEVICE LOCATIONS INDICATED WITH KITCHEN, ARCHITECTURAL, AND INTERIOR DESIGNER DIMENSIONAL PLANS AND ELEVATIONS PRIOR TO ROUGH-IN.
- PROVIDE #10 CONDUCTORS FOR ANY 120V CIRCUIT OVER 100'. PROVIDE #8 CONDUCTOR FOR ANY CIRCUIT OVER 150'
- FIRE ALARM SYSTEM INDICATED IS AN EXTENSION OF THE EXISTING BUILDING SYSTEM. FIELD LOCATE EXISTING FIRE ALARM CIRCUIT ENTRY INTO SPACE. FIRE ALARM DEVICES SHALL BE COMPLETELY COMPATIBLE WITH EXISTING CONTROL UNIT. CONFIRM DEVICE TYPES AND WIRING WITH MANUFACTURER PRIOR TO BID.
- COORDINATE LOCATION AND QUANTITY OF FIRE/SMOKE AND/OR SMOKE DAMPERS WITH MECHANICAL CONTRACTOR PRIOR TO BID. COORDINATION OF LOCATIONS AND QUANTITIES WILL OVERRIDE LOCATIONS AND QUANTITIES INDICATED ON ELECTRICAL DRAWINGS. PROVIDE A 120V UNSWITCHED CIRCUIT TO EACH FIRE/SMOKE DAMPER AND/OR SMOKE DAMPER. PROVIDE A DUCT MOUNTED SMOKE DETECTOR IN FIRE/SMOKE DAMPER SHAFT. CONNECT DUCT MOUNTED SMOKE DETECTOR AND FIRE/SMOKE AND/OR SMOKE DAMPER TO FIRE ALARM SYSTEM. A CHANGE ORDER WILL NOT BE ALLOWED FOR LACK OF COORDINATION BETWEEN THE ELECTRICAL AND MECHANICAL CONTRACTOR FOR LOCATION AND QUANTITY OF FIRE/SMOKE DAMPER AND/OR SMOKE DAMPERS.
- ALL EXTERIOR ELECTRICAL EQUIPMENT AND DEVICES TO BE GFCI PROTECTED AND NEMA 3R OR WET LOCATION LISTED.
- ALL 125V THROUGH 250V RECEPTACLES SUPPLIED BY SINGLE-PHASE BRANCH CIRCUITS RATED 150 VOLTS OR LESS TO GROUND, 50 AMPERES OR LESS, AND ALL RECEPTACLES SUPPLIED BY THREE-PHASE BRANCH CIRCUITS RATED 150 VOLTS OR LESS TO GROUND, 100 AMPERES OR LESS, INSTALLED IN THE LOCATIONS SPECIFIED IN 210.8(B) SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL.
- ALL RECEPTACLES TO BE TAMPER PROOF TYPE.
- ALL NEW CEILING HEIGHT JUNCTION BOXES IN BEDROOMS TO BE FAN RATED.
- HATCHED AREA IS EXISTING TO REMAIN AND IS NOT INCLUDED IN ENGINEER'S SCOPE OF WORK. ANY FIRE ALARM/ CO DETECTION INDICATED IN HATCHED AREAS TO BE INCLUDED IN CONTRACTOR'S SCOPE OF WORK.
- WHERE MORE THAN ONE SMOKE DETECTOR IS INDICATED IN ONE LIVING UNIT THEY SHALL BE INTERCONNECTED SO THAT IF ONE SOUNDS ALL, IN THAT LIVING UNIT, SOUND.
- SMOKE DETECTOR ACTIVATION, WITHIN LIVING UNITS, SHALL SOUND LOCALLY AND SEND A SIGNAL TO A CONSTANTLY ATTENDED LOCATION. IF SMOKE DETECTOR ALARM, AT CONSTANTLY ATTENDED LOCATION, IS NOT DEACTIVATED WITHIN A TIME FRAME DETERMINED BY FIRE MARSHAL, FIRE ALARM SYSTEM SHALL ALARM THE ENTIRE BUILDING.

FLOOR PLAN KEY NOTES (APPLIES TO E102 & E103)

- EQUIPMENT LOCATION. PROVIDE GFI PROTECTION ON BREAKER. GFI PROTECTION SHALL BE VIA BREAKER OR RECEPTACLE TYPE. SEE FLOOR PLAN AND PANEL SCHEDULE FOR PROTECTION TYPE. COORDINATE EXACT LOCATION, MOUNTING HEIGHTS AND POWER REQUIREMENTS WITH ID, EQUIPMENT PROVIDER, AND MILLWORK PROVIDER PRIOR TO ROUGH-IN AND PURCHASE.
- PROVIDE A (NEMA 5-20R) RECEPTACLE W/2#12, #12G. FOR WASHER.
- PROVIDE A (NEMA 14-30R) RECEPTACLE W/3#10, #10G CIRCUIT FOR CLOTHES DRYER. PROVIDE DRYER CORD.
- PROVIDE A (NEMA 5-20R) RECEPTACLE W/2#12, #12G. FOR GAS RANGE. PROVIDE RANGE CORD.
- RECIRCUIT ALL EXISTING LIGHTS IN THIS AREA TO A-42. RECIRCUIT ALL RECEPTACLES IN THIS AREA TO CIRCUITS A-61, A-63, A-65. NO MORE THAN 6 RECEPTACLES PER CIRCUIT.
- CIRCUIT TO BREAKERS MADE SPARE DURING DEMO. ANY REPLACED EXISTING BREAKER MADE TO BE SPARE DURING DEMO TO BE GFI TYPE. REUSE OR REPLACE EXISTING SPARES AS NECESSARY.
- PROVIDE NEMA L6-20R FOR PTAC UNIT. COORDINATE EXACT POWER AND CONNECTION REQUIREMENTS WITH EQUIPMENT MANUFACTURER AND HVAC CONTRACTOR PRIOR TO ANY WORK.
- DURING DEMO SHIFT EXISTING CIRCUITS SO 240V/1P SPARES CAN BE UTILIZED FOR NEW HVAC EQUIPMENT. PROVIDE NEW BREAKERS AS NECESSARY PER EQUIPMENT MANUFACTURER RECOMMENDATION. COORDINATE ALL CIRCUITS AND SPARES IN FIELD. CONTACT EOR FOR ANY DISCREPANCIES.



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REVISIONS

DATE **10.06.23**

JOB NUMBER **NC2230489**

DRAWN BY **TT**

CHECKED BY **CDF**

DRAWING TITLE

**Renovation Plans -
Building A**

DRAWING NUMBER

E101



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Building A**

DRAWING NUMBER

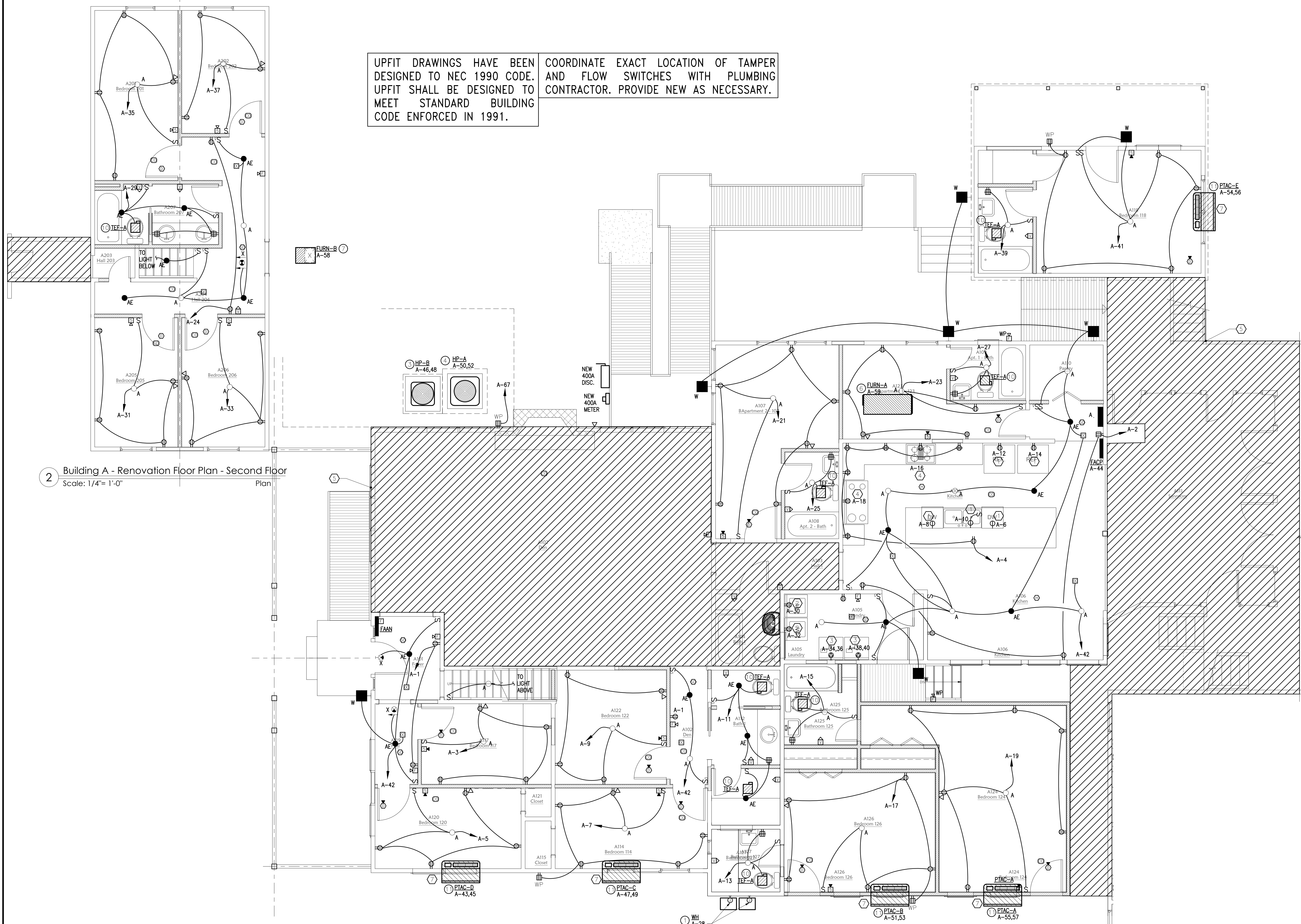
E102

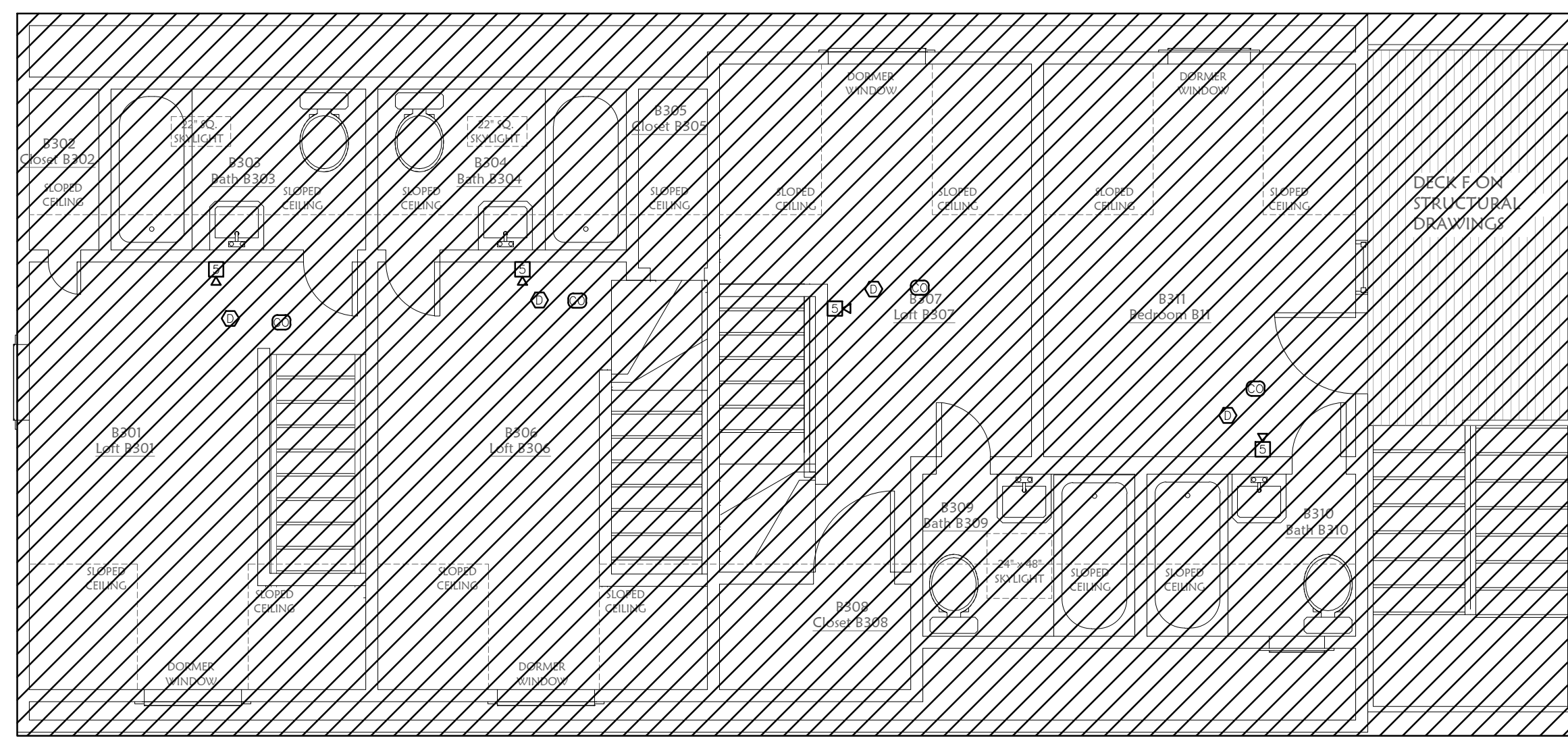
UPFIT DRAWINGS HAVE BEEN DESIGNED TO NEC 1990 CODE. UPFIT SHALL BE DESIGNED TO MEET STANDARD BUILDING CODE ENFORCED IN 1991.

COORDINATE EXACT LOCATION OF TAMPER AND FLOW SWITCHES WITH PLUMBING CONTRACTOR. PROVIDE NEW AS NECESSARY.

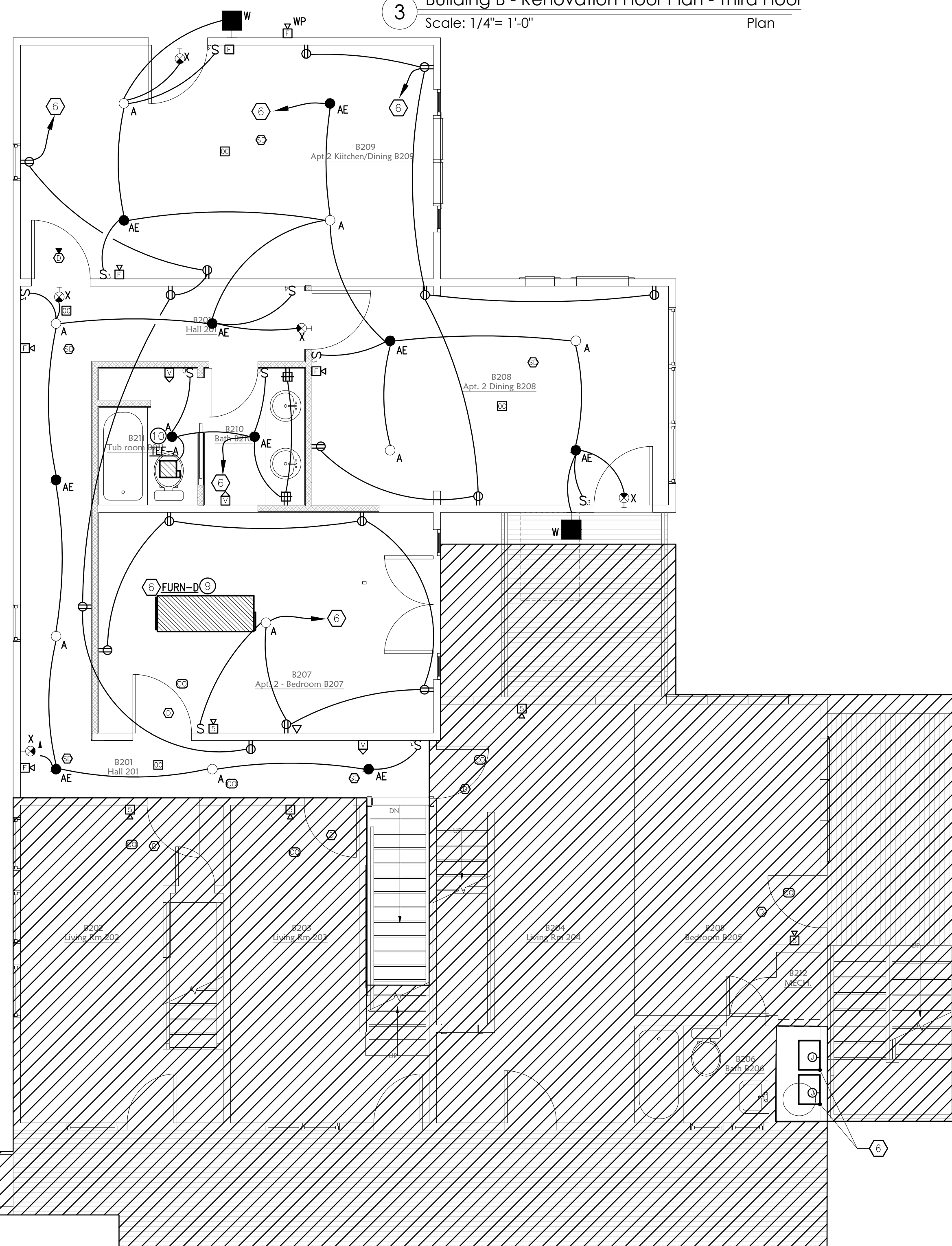
2 Building A - Renovation Floor Plan - Second Floor
Scale: 1/4" = 1'-0"
Plan

1 Building A - Renovation Floor Plan - First Floor
Scale: 1/4" = 1'-0"
Plan





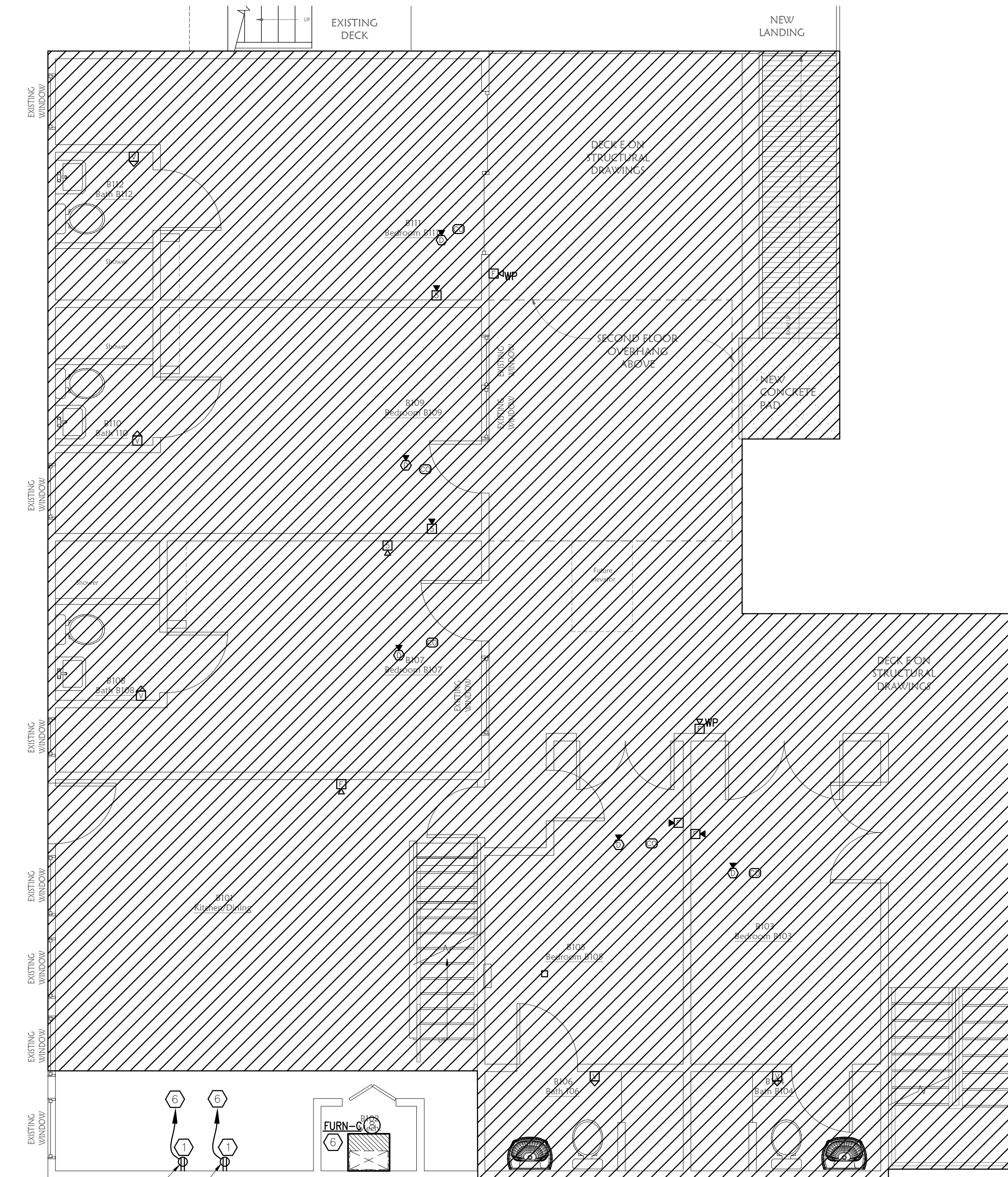
3 Building B - Renovation Floor Plan - Third Floor
Scale: 1/4" = 1'-0" Plan



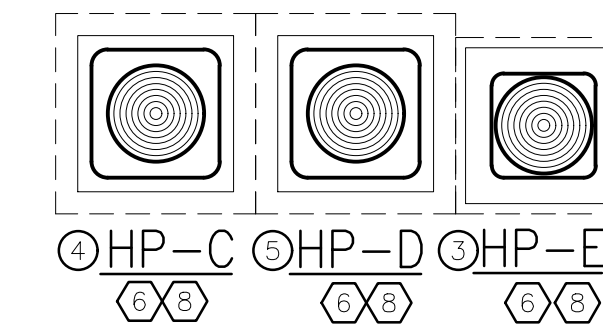
2 Building B - Renovation Floor Plan - Second Floor
Scale: 1/4" = 1'-0" Plan

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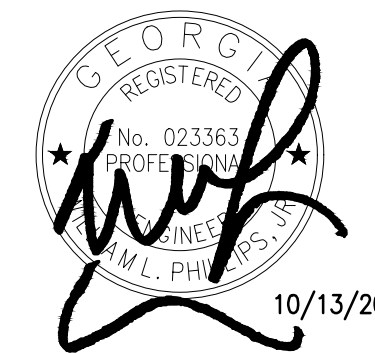
1 Building B - Renovation Floor Plan - First Floor
Scale: 1/4" = 1'-0" Plan



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REVISIONS

DATE **10.06.23**

JOB NUMBER **NC2230489**

DRAWN BY **TT**

CHECKED BY **CDF**

DRAWING TITLE

Renovation Plans - Building B

DRAWING NUMBER

E103

FIRE ALARM SYSTEM MATRIX	BUILDING SYSTEM OUTPUTS										CENTRAL COMM	
	ACTIVATE COMMON ALARM SIGNAL INDICATOR	ACTIVATE AUDIBLE ALARM SIGNAL INDICATOR	ACTIVATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTIVATE AUDIBLE SUPERVISORY SIGNAL INDICATOR	ACTIVATE COMMON TROUBLE SIGNAL INDICATOR	ACTIVATE AUDIBLE TROUBLE SIGNAL INDICATOR	DISPLAY CHANGE OF STATUS	TRANSMIT FIRE ALARM SIGNAL TO CENTRAL COMM	TRANSMIT TROUBLE SIGNAL TO CENTRAL COMM	SHOW CHANGE OF STATUS ON ANNUNCIATOR		TRANSMIT FIRE ALARM SIGNAL TO CENTRAL STATION
MANUAL FIRE ALARM PULL BOXES	X	X	X	X	X	X	X	X	X	X	X	X
BUILDING SMOKE DETECTOR/ CO DETECTOR	X	X	X	X	X	X	X	X	X	X	X	X
SPRINKLER WATERFLOW	X	X	X	X	X	X	X	X	X	X	X	X
SPRINKLER TAMPER	X	X	X	X	X	X	X	X	X	X	X	X
FIRE ALARM AC POWER FAILURE	X	X	X	X	X	X	X	X	X	X	X	X
FIRE ALARM SYSTEM LOW BATTERY	X	X	X	X	X	X	X	X	X	X	X	X
OPEN CIRCUIT	X	X	X	X	X	X	X	X	X	X	X	X
GROUND FAULT	X	X	X	X	X	X	X	X	X	X	X	X

GENERAL NOTES (THIS SHEET ONLY)

1. THE EXISTING FIRE ALARM SYSTEM IN BUILDING B SHALL BE MODIFIED, EXTENDED, AND TESTED IN ACCORDANCE WITH NFPA 72, APPLICABLE SECTIONS OF THE NORTH CAROLINA BUILDING AND FIRE PREVENTION CODES AND ADA.

2. THE REMOTE ANNUNCIATOR SHALL BE FLUSH MOUNTED AND SHALL BE LOCATED IN THE FIELD WITH THE CODE OFFICIAL.

3. COORDINATE THE QUANTITY AND LOCATION OF ALL FLOW AND TAMPER SWITCHES WITH THE SPRINKLER CONTRACTOR. COORDINATE THE QUANTITY AND LOCATION OF ANY FIRE SMOKE DAMPERS WITH THE MECHANICAL CONTRACTOR.

4. THE FIRE ALARM CONTROL PANEL SHALL BE ADDED IN BUILDING A WHERE INDICATED ON PLAN.

5. THE NFPA 72 REQUIRED DISTINCTIVE EVACUATION SIGNAL SHALL BE A THREE-PULSE TEMPORAL SOUND IN ACCORDANCE WITH ANSI S3.41.

6. FIRE ALARM SYSTEM SHALL COMPLY WITH NFPA 72 26.2.6 (2013) FOR MULTITENANT BUILDINGS. MULTI-TENANT BUILDINGS MAY REQUIRE SHOP DRAWINGS PER THE FIELD INSPECTOR. THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR CALCULATIONS TO VERIFY ADEQUATE POWER.

7. SMOKE DETECTOR ACTIVATION, WITHIN LIVING UNITS, SHALL SOUND LOCALLY AND SEND A SIGNAL TO CONSTANTLY ATTENDED LOCATION. IF SMOKE DETECTOR ALARM, AT CONSTANTLY ATTENDED LOCATION, IS NOT DEACTIVATED WITHIN A TIMEFRAME DETERMINED BY FIRE MARSHAL, FIRE ALARM SYSTEM SHALL ALARM THE ENTIRE BUILDING.

GENERAL NOTES (THIS SHEET ONLY)

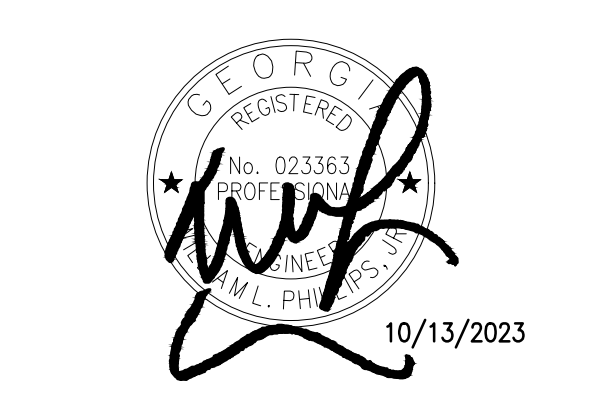
- ALL FUSES TO BE UL SERIES RATED WITH SPECIFIC DOWNSTREAM BREAKERS. CONTRACTOR SHALL SUBMIT INFORMATION WITH SHOP DRAWINGS FOR ENGINEER'S REVIEW.
- ELECTRICAL EQUIPMENT LAYOUT IS BASED ON SIEMENS EQUIPMENT. IF EQUIPMENT OTHER THAN SIEMENS IS UTILIZED, CONTRACTOR SHALL BE RESPONSIBLE TO MAKE EQUIPMENT FIT IN ROOM AND MAINTAIN WORKING CLEARANCES.
- PROVIDE TO SCALE ELECTRICAL EQUIPMENT PLAN LAYOUTS WITH SUBMITTALS.
- BOND ALL SERVICE GROUNDS TOGETHER.
- PROVIDE FAULT CURRENT SIGN ON ALL GEAR PER NEC 110.24.
- PROVIDE GRAPHIC PLAQUE INDICATING OTHER SERVICE LOCATIONS. MOUNT IN EACH ELECTRICAL ROOM.
- MARK ALL PANELS AND LOAD CENTERS TO INDICATE WHERE THE POWER SUPPLY ORIGINATES PER NEC 408.4(B).
- ANY ALUMINUM CONDUCTORS SHALL BE COMPACT TYPE AND PROVIDE ANTI-OXIDANT PASTE ON ALL ALUMINUM CONDUCTORS AT TERMINATION POINTS.
- CONTRACTOR TO COORDINATE WITH POWER COMPANY, PRIOR TO ANY WORK, AND OBTAIN REQUIREMENTS FOR ELECTRICAL SERVICE. CONTRACTOR TO PROVIDE POWER COMPANY LOAD FORMS, INCLUDING ALL ASSOCIATED DOCUMENTS REQUIRED BY THE POWER COMPANY, TO THE APPROPRIATE POWER COMPANY REPRESENTATIVE PRIOR TO ANY WORK.
- CONTRACTOR TO REPAIR ALL RECONSTRUCTION OF ALL SITE AREAS (PAVING, ASPHALT, CONCRETE, LANDSCAPING, ETC.) AFTER UNDERGROUND WORK IS COMPLETED.
- PROVIDE ARC-FLASH HAZARD WARNING ON ALL ELECTRICAL GEAR PER 110.16.

KEY NOTES (THIS SHEET ONLY)

- EXISTING UTILITY TRANSFORMER. COORDINATE REQUIREMENTS WITH POWER COMPANY PRIOR TO BID. FAULT CURRENT IS UNKNOWN, VERIFY FAULT CURRENT IN THE FIELD AND PROVIDE ISC RATING PLAQUE ON ALL NEW GEAR BASED ON RUN LENGTH AND EXISTING FAULT CURRENT OF THE TRANSFORMER.
- ROUTE CONDUIT FROM DISCONNECT TO PANEL THRU CRAWLSPACE.
- MOUNT METER AND DISCONNECT ON UNITSTRUT FRAME INDEPENDENT OF RAMP RAIL. UNITSTRUT FRAME SHALL BE ATTACHED TO DECKING OF BUILDING TO BE CONSIDERED PART OF THE BUILDING.
- PROVIDE GROUND WIRE AS INDICATED FOR BUILDING GROUND. SEE GROUNDING DETAIL ON THIS SHEET. ELECTRICAL CONTRACTOR SHALL BOND ALL GROUNDS TOGETHER AS INDICATED IN DETAIL.
- PROVIDE GEAR RATED FOR AVAILABLE ISC. COORDINATE ISC RATING IN FIELD PRIOR TO PURCHASE OF GEAR.

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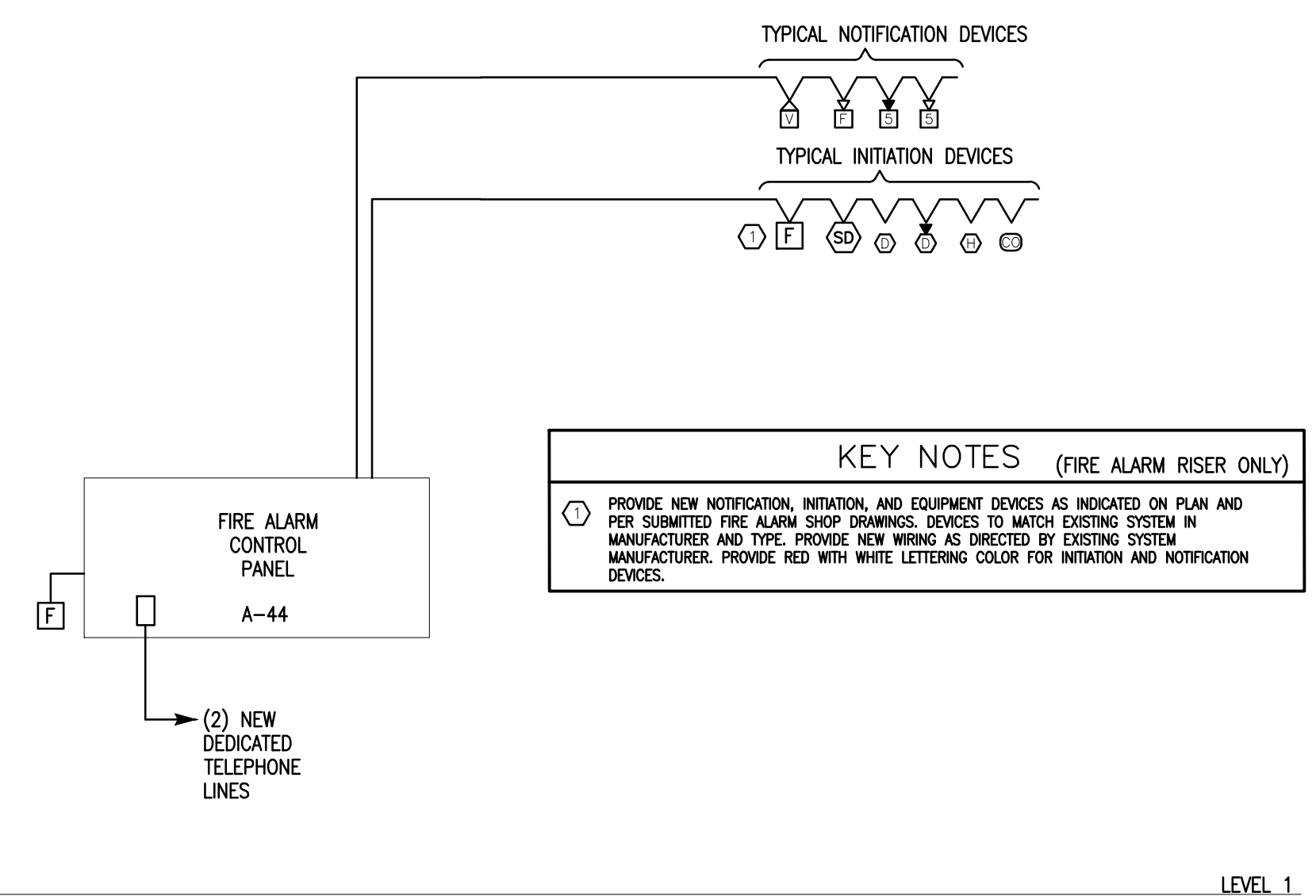
PROJECT
Renovation of Existing Group Home
 4487 Trickum Road
 Marietta, Georgia 30066

FOR
AARON ROSENHAFT, LIAMARA RIVERS ESTATES, LLC

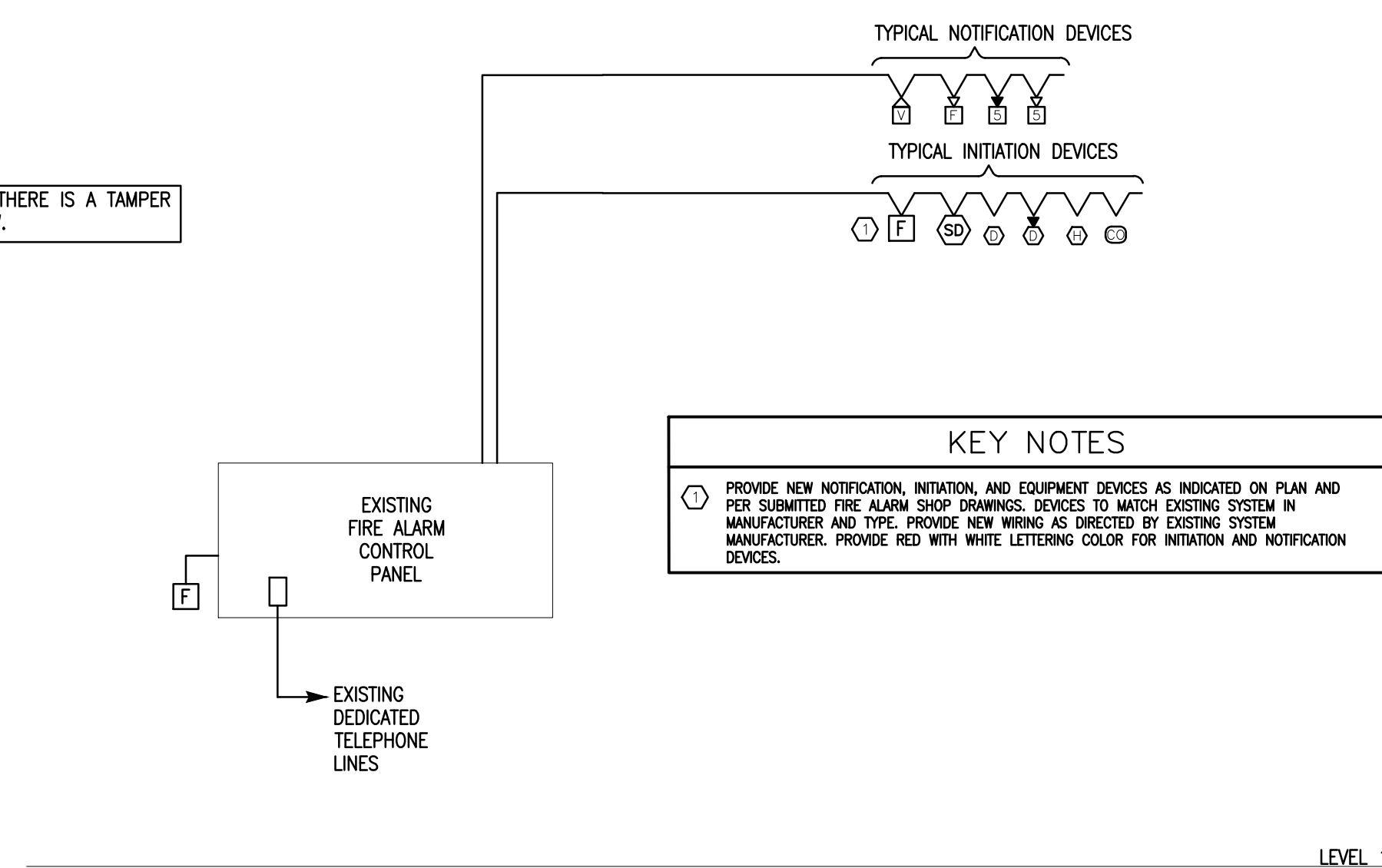
REVISIONS

DATE 10.06.23
JOB NUMBER NC2230489
DRAWN BY TT
CHECKED BY CDF
DRAWING TITLE Riser Diagram

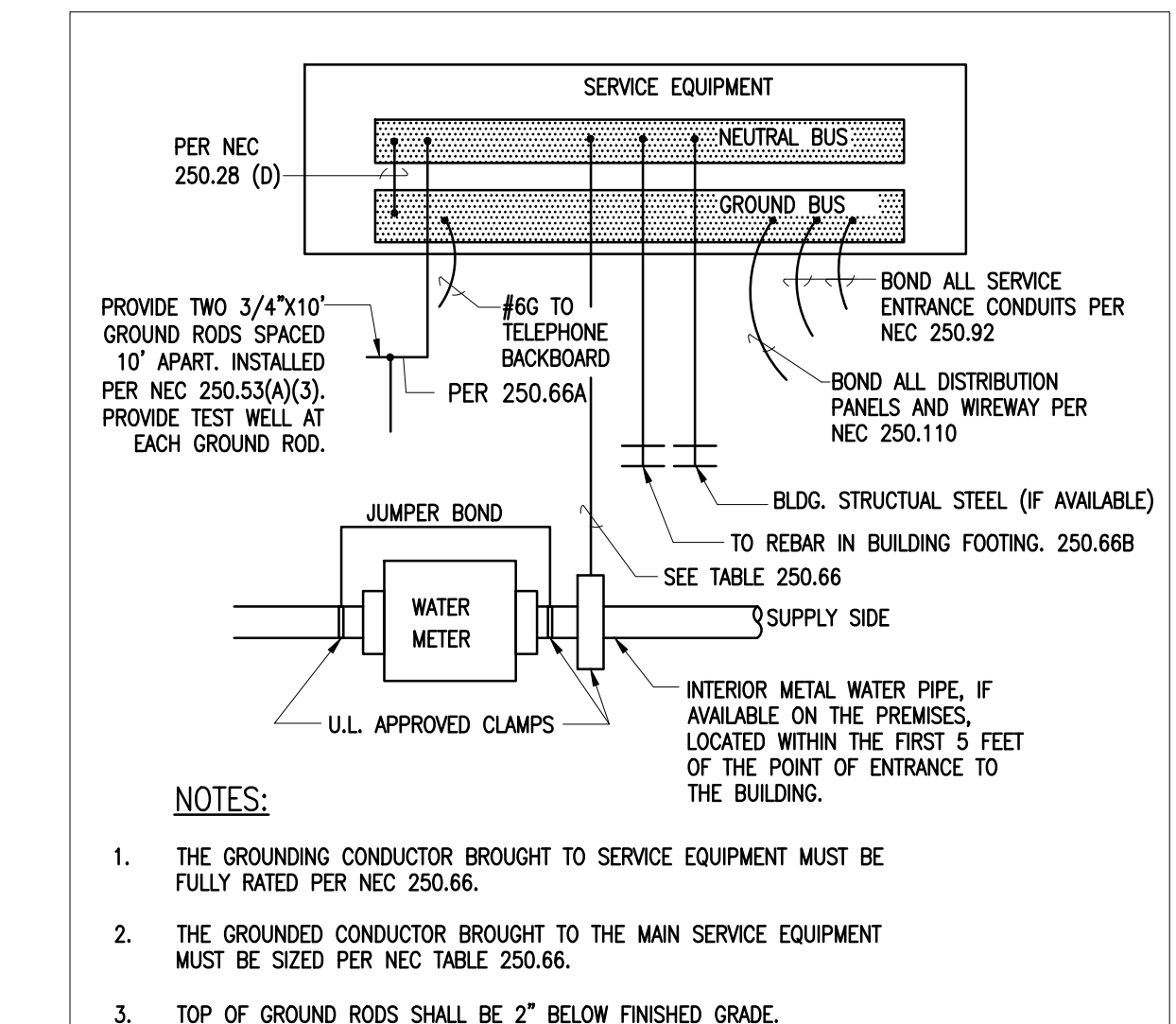
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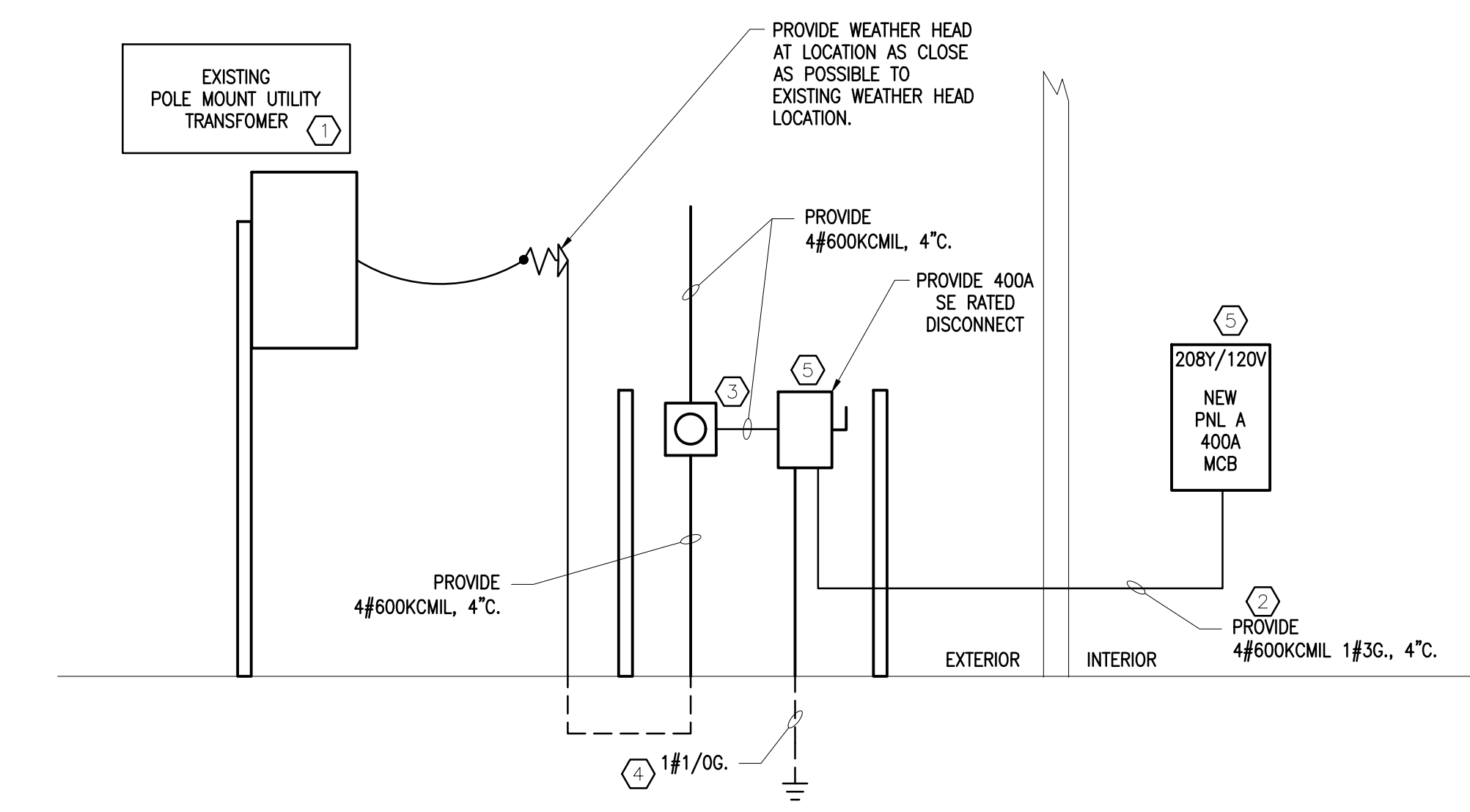
2 Building A Fire Alarm Riser Diagram
 Scale: None



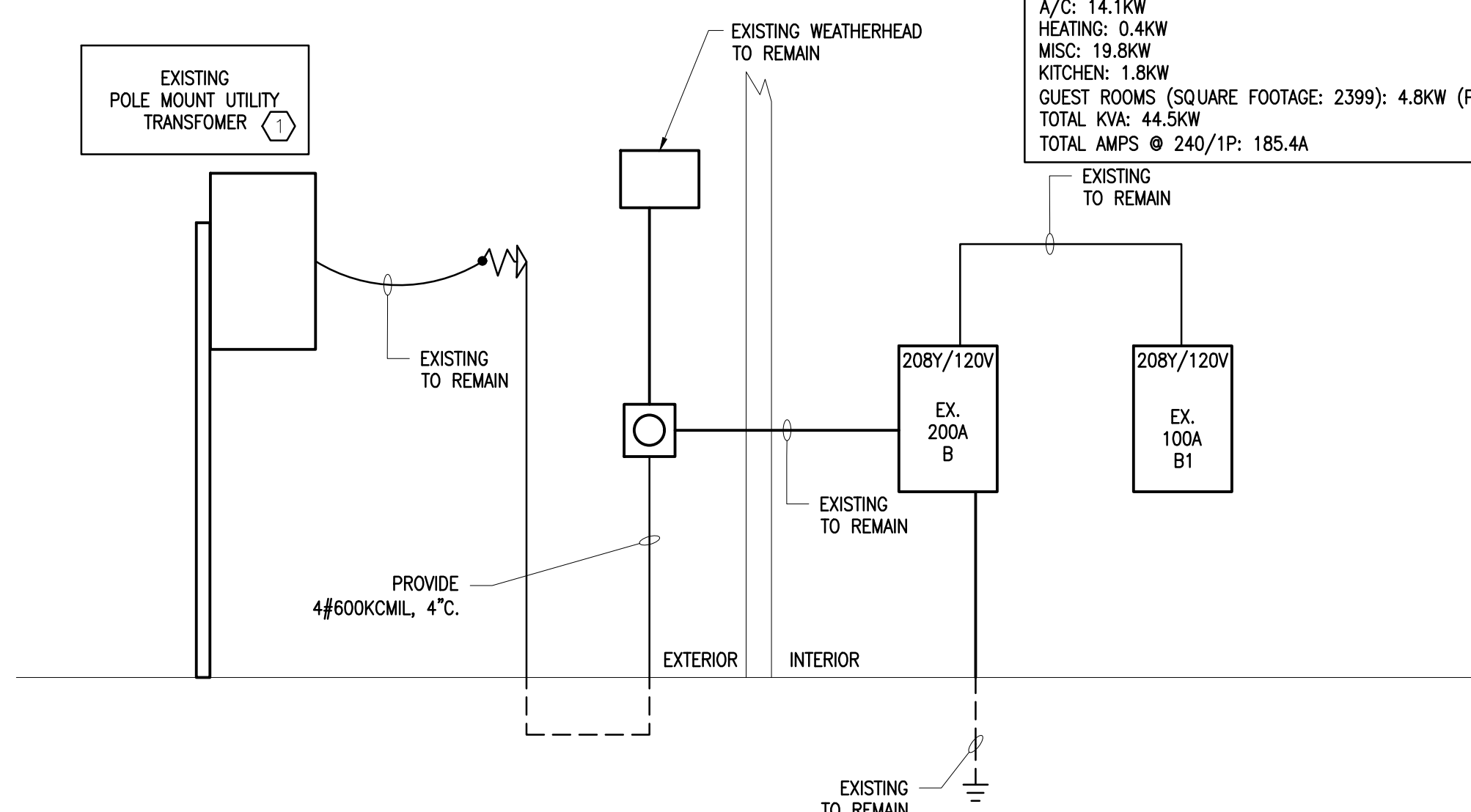
2 Building B Fire Alarm Riser Diagram
 Scale: None



2 GROUNDING DETAIL
 NOT TO SCALE



1 PARTIAL RISER DIAGRAM - BUILDING A
 NOT TO SCALE



1 PARTIAL RISER DIAGRAM - BUILDING B
 NOT TO SCALE

FANS												
TAG	MAKE & MODEL NO.	TYPE	AREA SERVED	AIRFLOW (CFM)	ESP INCHES	MAX POWER	MAX SONES	DRIVE	WEIGHT (LB)	NOTES	ACCESSORIES	CONTROLS
TEF-A	PANASONIC FV-0510VS1	CEILING MOUNTED EXHAUST	APARTMENT TOILET	50	0.25	50 W	2.0	DIRECT	10	1,2,3	1,2,3	A

- NOTES:**
- SOME VALUES ARE VALUES MEASURED 5 FT FROM THE FAN - OPEN ENDED. SOME VALUES MUST NOT EXCEED SCHEDULED AMOUNT. FAN SHALL BE HM OR AMCA CERTIFIED FOR SOUND AND PERFORMANCE AND UL LISTED.
 - CONTRACTOR RESPONSIBLE FOR VERIFYING ARCHITECTURAL CONSTRUCTION FOR FAN INSTALLATION; PROVIDE SUPPORTS, BRACKETS, CURB, OR APPROPRIATE MOUNTING HARDWARE TO SECURE FAN TO STRUCTURE INCLUDING VIBRATION ISOLATION AS LISTED IN SPECIFICATIONS, EQUIPMENT NOTES, AND DETAILS. PROVIDE TRANSITION TO ACTUAL FAN INLET/OUTLET FAN DUCT SIZE LISTED ON PLANS.
 - COORDINATE EXACT CEILING MOUNTED FAN LOCATIONS WITH ARCHITECTURAL/ID RCP PLANS.

- ACCESSORIES:**
- PROVIDE BACKDRAFT DAMPER AT FAN DISCHARGE.
 - PROVIDE DISCONNECT SWITCH INTEGRAL TO UNIT.
 - PROVIDE WITH MATCHING METAL PAINTABLE WALL CAP; NECK SIZE SAME AS DUCT SIZE SHOWN ON PLANS, UNO. COLOR SELECTION BY ARCHITECT AT TIME OF SHOP DRAWINGS.

- CONTROLS:**
- FAN SHALL BE CONTROLLED BY DEDICATED WALL MOUNTED SWITCH OR INTERLOCKED WITH LIGHTS. SEE ELECTRICAL.

BASIS OF DESIGN: AS SCHEDULED; EQUAL BY: COOK, PENN, ACME, BROAN

GRILLES, REGISTERS & DIFFUSERS												
TAG	MODEL	SERVICE	SIZE	CFM	BLOW	TYPE/NOTES	INTEGRAL BALANCING DAMPER	CONNECTION SIZE	MATERIAL	NOTES	ACCESSORIES	
A	HART & COOLEY 682/683	SUPPLY	SEE DWGS	ON PLANS	AS SHOWN	CEILING OR SIDEWALL STAMPED FACE, 1/2" SPACED FINS SET	YES	SEE DWGS	STEEL	1-6	1	
B	HART & COOLEY 682-0BD/683-0BD	SUPPLY	SEE DWGS	ON PLANS	AS SHOWN	CEILING OR SIDEWALL STAMPED FACE, 1/2" SPACED FINS SET	YES	SEE DWGS	STEEL	1-6	1	
C	HART & COOLEY 650	RETURN	SEE DWGS	-	-	CEILING OR SIDEWALL STAMPED RETURN, 1/2" BLADE SPACING	NO	SEE DWGS	STEEL	1-3	-	
D	HART & COOLEY 411	SUPPLY	SEE DWGS	ON PLANS	AS SHOWN	HEAVY DUTY FLOOR REGISTER, FOOT-OPERATED DAMPER	YES	SEE DWGS	STEEL	1-7	1	
E	HART & COOLEY 420	SUPPLY	SEE DWGS	ON PLANS	-	TOE KICK REGISTER, STAMPED FACE, 1/2" SPACED FINS SET	YES	SEE DWGS	STEEL	1-7	1	
F	HART & COOLEY 265	RETURN	SEE DWGS	ON PLANS	-	HEAVY DUTY FLOOR GRILLE, 2"x1/2" SPACED EGGRATE	NO	SEE DWGS	STEEL	1,2,3,5,6	-	

- NOTES:**
- REFER TO ARCHITECTURAL DRAWINGS FOR TYPE OF MOUNTING OR SUSPENSION SYSTEM.
 - COLOR SELECTED BY ARCHITECT; SUBMIT FINISH CHART WITH SHOP DRAWINGS.
 - REGISTERS AND GRILLES SHALL HAVE A BAKED ENAMEL FINISH. DO NOT FIELD PAINT GRDS.
 - PROVIDE REGISTERS WITH BLOW PATTERNS AS INDICATED ON PLANS.
 - RUNOUTS TO REGISTERS AND GRILLES SHALL BE SAME SIZE AS DIFFUSER NECK UNLESS NOTED OTHERWISE.
 - PROVIDE SQUARE/RECTANGULAR TO ROUND TRANSITION WHERE INDICATED ON DRAWINGS. SEE PLANS FOR COLLAR SIZE.
 - DIFFUSER SHALL NOT HAVE AN NC RATING GREATER THAN 30 AT THE CFM INDICATED ON THE FLOOR PLANS. STATIC PRESSURE DROP SHALL NOT BE GREATER THAN 0.10" AT THE CFM INDICATED.

- ACCESSORIES:**
- MULTI-SHUTTER VALVE WITH INTERLOCKING LOUVERS (MVD).

BASIS OF DESIGN: HART & COOLEY, NAILOR. EQUAL BY: US AIR, TITUS, PRICE, KRUEGER.

DUCT INSULATION - SHEET METAL DUCT (NOTES 1,2)			
DUCT TYPE	DUCT LOCATION	INSULATION TYPE	NOTES
SUPPLY	ATTIC OR TOP FLOOR/CEILING ASSEMBLY	DUCTWRAP, R VALUE = 8.0	1,2
RETURN	ATTIC OR TOP FLOOR/CEILING ASSEMBLY	DUCTWRAP, R VALUE = 8.0	1,2
SUPPLY	ABOVE CEILING, UNO	DUCTWRAP, R VALUE = 6.0	1,2
RETURN	ELSEWHERE, UNO	NONE	1,2
OUTDOOR AIR	ANYWHERE, UNO	DUCTWRAP, R VALUE = 6.0	1,2
EXHAUST	ANYWHERE, UNO	DUCTWRAP, R VALUE = 6.0	1,2

- NOTES:**
- DUCT INSULATION CHARACTERISTICS SHALL BE AS NOTED IN HVAC GENERAL NOTES.
 - INSULATION THICKNESS AND DENSITY CAN VARY. R VALUES MUST BE MET OR EXCEEDED. R-VALUES ARE INSTALLED VALUES (BASED ON INSTALLED THICKNESS).

SPLIT SYSTEM FURNACE - NATURAL GAS (ALL NOTES APPLY)																	
TAG	INDOOR UNIT CARRIER MODEL #	COOLING COIL CARRIER MODEL #	OUTDOOR UNIT CARRIER MODEL #	NOMINAL TONS	AREA SERVED	TOTAL CFM	OA CFM	ESP (INCHES)	MAX. FAN HP	COOLING (NOTE 1)				GAS HEATING		MAX FCU WEIGHT (LBS) (NOTE 3)	ACCESSORIES
										MBH TOTAL	MBH SENS.	E.A.T. (DB/WB)	MIN SEER2	INPUT (MBH)	OUTPUT (MBH)		
FURN/CU-A	58MCC070E21-16	CNPVP48	GHSSAN44800A	4.0	BLDG. A - LEVEL 1	1600	0	0.50	3/4	46.8	36.1	80/67	15.0	63.0	51.0	142	1 THRU 12
FURN/CU-B	58MCC04514-12	CNPVP18	GHSSAN41800A	1.5	BLDG. A - LEVEL 2	600	0	0.50	1/3	17.2	13.1	80/67	15.0	44.0	36.0	104	1 THRU 12
FURN/CU-C	58MCC090E21-16	CNPVP48	GHSSAN44800A	4.0	BLDG. B - LEVEL 1	1600	0	0.50	3/4	46.8	36.1	80/67	15.0	88.0	72.0	137	1 THRU 12
FURN/CU-D	58MCC070E21-16	CNPVP48	GHSSAN44800A	4.0	BLDG. B - LEVEL 2	1600	0	0.50	3/4	46.8	36.1	80/67	15.0	40.0	37.0	142	1 THRU 12

- NOTES:**
- COOLING CAPACITIES ARE BASED ON 95°F db ENTERING AIR AT OUTDOOR UNIT. CAPACITIES OF UNITS SUBMITTED SHALL NOT BE LESS THAN 5% OF SCHEDULED VALUES INCLUDING LINE LOSSES - SEE ACCESSORY NOTE BELOW REGARDING LONG LINE SETS.
 - FCU WEIGHT INCLUDES GAS HEAT AND COOLING COIL WEIGHT. INDICATE A TOTAL WEIGHT VALUE IN THE SUBMITTAL.
 - SEER2 AND EER VALUE IS BASED ON ARI STANDARD 210/240.
 - ESP VALUES DO NOT INCLUDE THE COOLING COIL PRESSURE DROP NOR THE INTERNAL PRESSURE DROPS SUCH AS THE GAS HEAT.
 - PRESSURE DROP THROUGH COOLING COIL SHALL NOT EXCEED 0.20".
 - SUBMIT CLEARLY LABELED SHOP DRAWINGS INDICATING THE PROPOSED UNIT'S CAPACITIES.

- ACCESSORIES:**
- PROVIDE STANDARD THROW-AWAY 1" PLEATED FIBERGLASS FILTER FOR FURN-1-10. PROVIDE 2" THICK MERV 7 FOR AHU-1,2.
 - SINGLE POINT POWER FOR FCU. MANUFACTURER SHALL PROVIDE TRANSFORMER AS NECESSARY FOR BLOWER FAN.
 - 5-YEAR COMPRESSOR WARRANTY.
 - BAKED ON ENAMEL FINISH.
 - PROGRAMMABLE 7 DAY THERMOSTAT, WITH NIGHT SETBACK (55° HEATING, 85° COOLING), AUTO CHANGEOVER FOR HEAT-COOL, 5 DEGREE DEADBAND ADJUSTMENT BETWEEN HEAT AND COOL OPERATION.
 - FILTER DRYER.
 - ANTI-SHORT-CYCLE KIT.
 - PROVIDE FCU WITH THERMAL EXPANSION VALVE AND TIME DELAY RELAY. PROVIDE KIT TO ALLOW LOW AMBIENT COOLING DOWN TO 20° DEGREES.
 - COMPRESSOR CRANKCASE HEATER.
 - REFRIGERANT LINES SHALL BE SIZED PER THE MANUFACTURER'S RECOMMENDATION. PROVIDE LONG LINE REFRIGERATION LINE SET WHERE REQUIRED BY MANUFACTURER. - LINES SHALL BE SIZED BY MANUFACTURER TO MAINTAIN SCHEDULED CAPACITY. SHOW MANUFACTURER'S RECOMMENDED LINE SET SIZE IN SUBMITTALS. MANUFACTURER SHALL DETERMINE IF LONG LINE APPLICATION KIT IS REQUIRED. PROVIDE DOCUMENTATION IN SHOP DRAWINGS. PROVIDE ALL ACCESSORIES REQUIRED BY THE MANUFACTURER FOR LONG LINE APPLICATIONS.
 - DISCONNECT SWITCH FOR EACH FCU FACTORY PROVIDED; DISCONNECT FOR EACH CONDENSING UNIT PROVIDED BY AND INSTALLED BY ELECTRICAL.
 - FLUE PIPE SHALL BE PVC OR STEEL AND SHALL HAVE A ROOF TERMINATION KIT AS REQUIRED BY MANUFACTURER. PROVIDE ALL ACCESSORIES REQUIRED TO USE PROPANE GAS FOR HEATING.

BASIS OF DESIGN AS NOTED; EQUAL BY TRANE, LENNOX, YORK.

PLUMBING CONTRACTOR TO PROVIDE GAS PRESSURE REGULATOR FOR EACH FURNACE. COORDINATE OPERATING PRESSURE FOR EACH PIECE OF EQUIPMENT WITH THE PLBG. CONTRACTOR PRIOR TO ORDERING EQUIPMENT.

SUMMER DESIGN TEMPERATURE: 95°FDB/79°FWB
WINTER DESIGN TEMPERATURE: 21°F
SPACE CONDITIONS: 75°F/50%RH

PTAC HEAT PUMP UNITS													
TAG	AREA SERVED	MAKE & MODEL	NOMINAL TONS	TOTAL CFM	OA CFM	TOTAL COOL. MBH	SENS. COOL. MBH	MIN. EER	ELEC HEAT KW @ 208V	MAX UNIT WEIGHT, LBS	COP	NOTES	ACCESSORIES
PTAC-A	BDRM A124	GE AZ61H09D	0.75	360	25	9.2	6.9	12.0	2.82	116	3.6	1,2,3	1,2,3,4,5,6
PTAC-B	BDRM A126	GE AZ61H07D	0.5	340	25	7.0	5.9	12.0	2.82	116	3.6	1,2,3	1,2,3,4,5,6
PTAC-C	BDRM A114	GE AZ61H07D	0.5	340	25	7.0	5.9	12.0	2.82	116	3.6	1,2,3	1,2,3,4,5,6
PTAC-D	BDRM A120	GE AZ61H07D	0.5	340	25	7.0	5.9	12.0	2.82	116	3.6	1,2,3	1,2,3,4,5,6
PTAC-E	BDRM A118	GE AZ61H07D	0.5	340	25	7.0	5.9	12.0	2.82	116	3.6	1,2,3	1,2,3,4,5,6

- NOTES:**
- COOLING CAPACITIES BASED ON 95° F db OUTSIDE AIR.
 - UNIT SHALL BE UL LISTED.
 - OUTDOOR AIR SHALL BE BY OPERABLE WINDOWS.

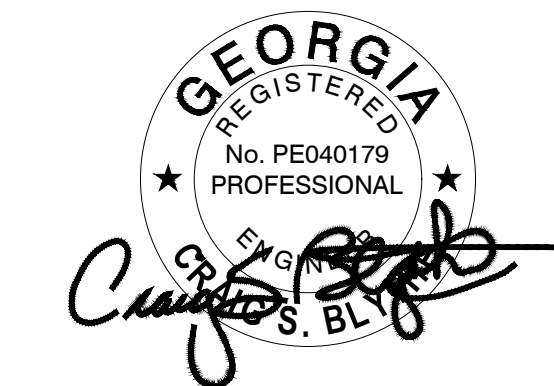
- ACCESSORIES:**
- PROVIDE A RAB77 WALL CASE, FIBERGLASS REINFORCED POLYESTER.
 - UNIT SHALL BE PROVIDED WITH A MATCHING SUBBASE KIT WITH A NEMA 6-20R POWER CORD. COORDINATE W/ ELECTRICAL CONTRACTOR.
 - PROVIDE AN ARCHITECTURAL EXTERIOR GRILLE. GRILLE COLORED PER ARCHITECT. SUBMIT COLOR CHART WITH SUBMITTAL.
 - PROVIDE A RAD10 (IN BOTTOM OF WALL CASE) CONDENSATE DRAIN KIT. PROVIDE A SAUERMANN MINI INLINE CONDENSATE PUMP TO BE INSTALLED ON UNITS WHERE 1/8" MIN. SLOPE CANNOT BE MAINTAINED TO DISPOSAL POINT. INSTALL PUMP CONCEALED IN PTAC UNIT. SECONDARY DRAINAGE SHALL OCCUR THROUGH DRAIN HOLES IN REAR OF THE WALL CASE (ON OUTSIDE OF BUILDING). WALL CASE HAS PRIMARY AND OVERFLOW DRAIN HOLES TO ALLOW CONDENSATE AND RAIN TO DRAIN FROM WALL CASE ONTO FACE OF BUILDING, WHERE IT WILL BE NOTICABLE BY PASSERS BY AND MAINTENANCE STAFF.
 - REMOTE T'STAT. SEE ARCHITECTURAL UNIT PLANS FOR LOCATION. COORDINATE WITH ARCHITECT.

BASIS OF DESIGN: AS NOTED; EQUAL BY: CARRIER, TRANE

Phillips Gradick Engineering of Charlotte, PLLC.
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SEAL



10-13-23

PROJECT

Renovation of Existing Group Home
4487 Trickum Road
Marietta, Georgia 30066

FOR

AARON ROSENHAFT, LIAMARA RIVERS ESTATES, LLC

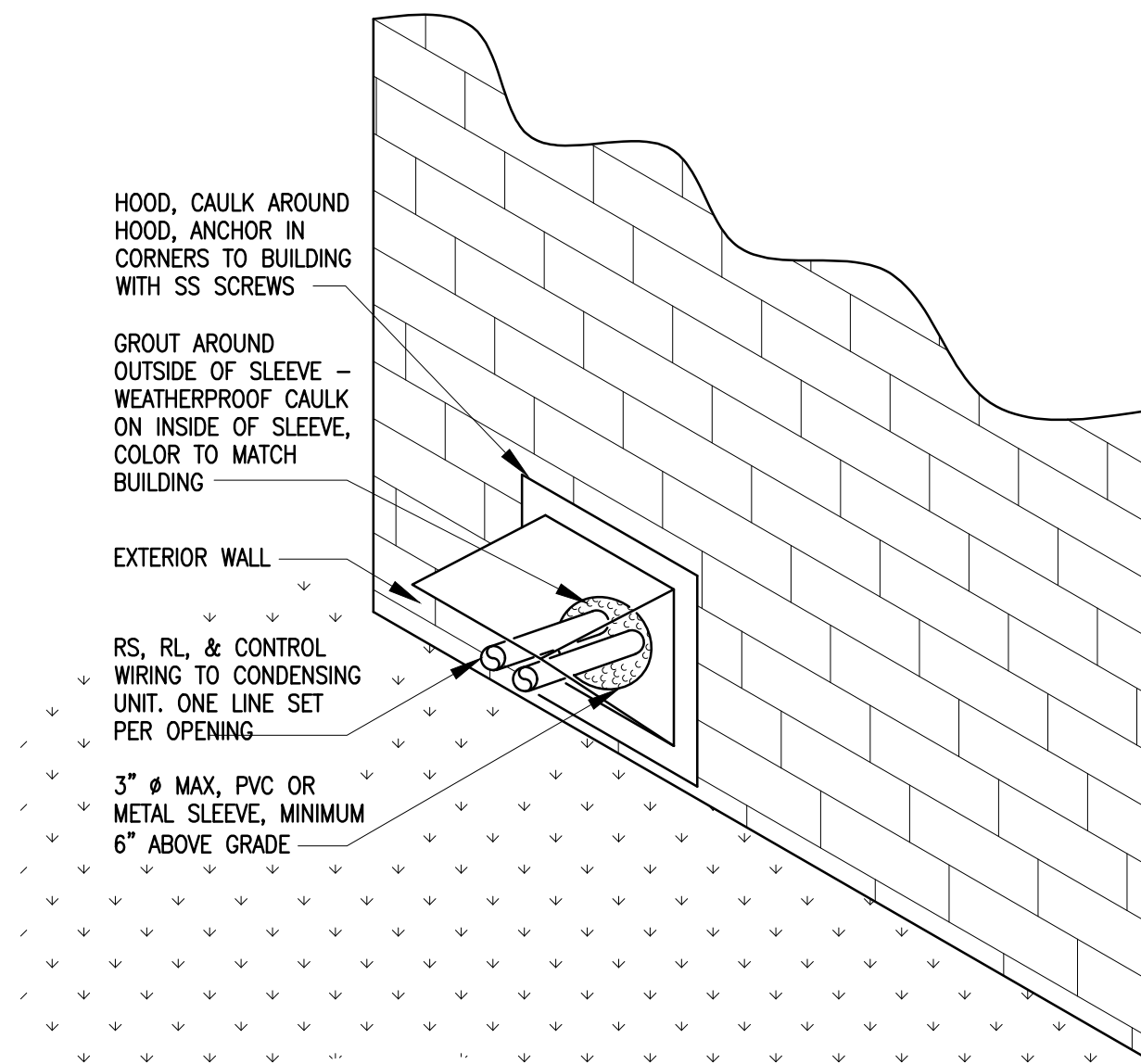
REVISIONS

DATE: **10.06.23**
JOB NUMBER: **NC2230489**
DRAWN BY: **CSB**
CHECKED BY: **CSB**
CDF

DRAWING TITLE
Mechanical Schedules

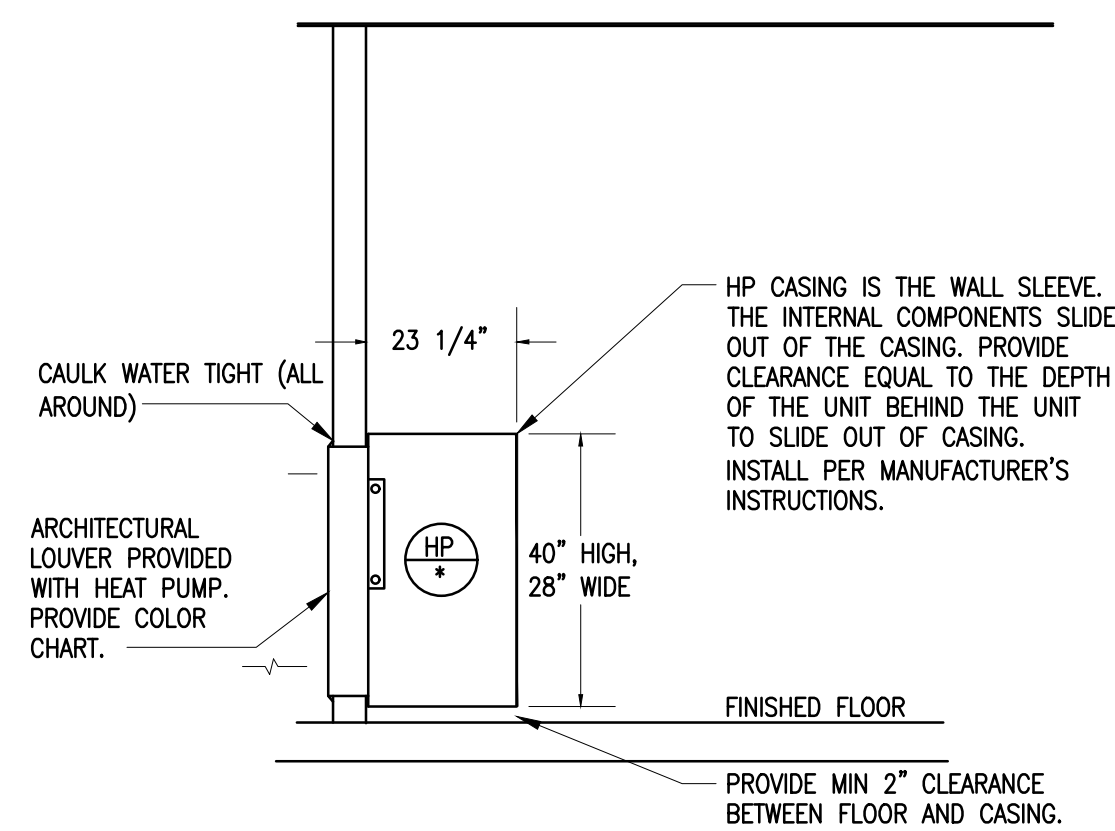
DRAWING NUMBER

M002



NOTE: PVC SLEEVE SHALL BE 6" TO 8" ABOVE GRADE

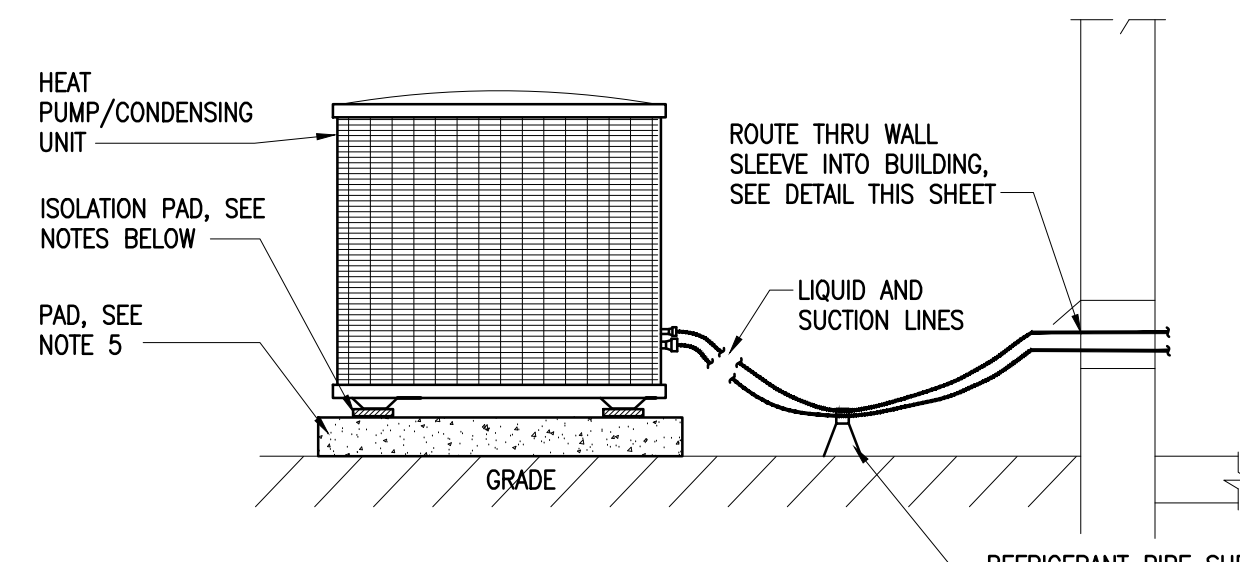
8 LINESET THRU EXTERIOR WALL
SCHEMATIC: NO SCALE



NOTES:

1. PROVIDE FIRE STOPPING WHERE RATED WALLS ARE PENETRATED BY REFRIGERANT PIPING, CONDENSATE PIPE, AND DUCTWORK
2. THIS INFORMATION IS BASED ON FIRST COMPANY MODEL T1W HEAT PUMP. DIMENSIONS MAY VARY FROM THOSE SHOWN IN THIS DETAIL.

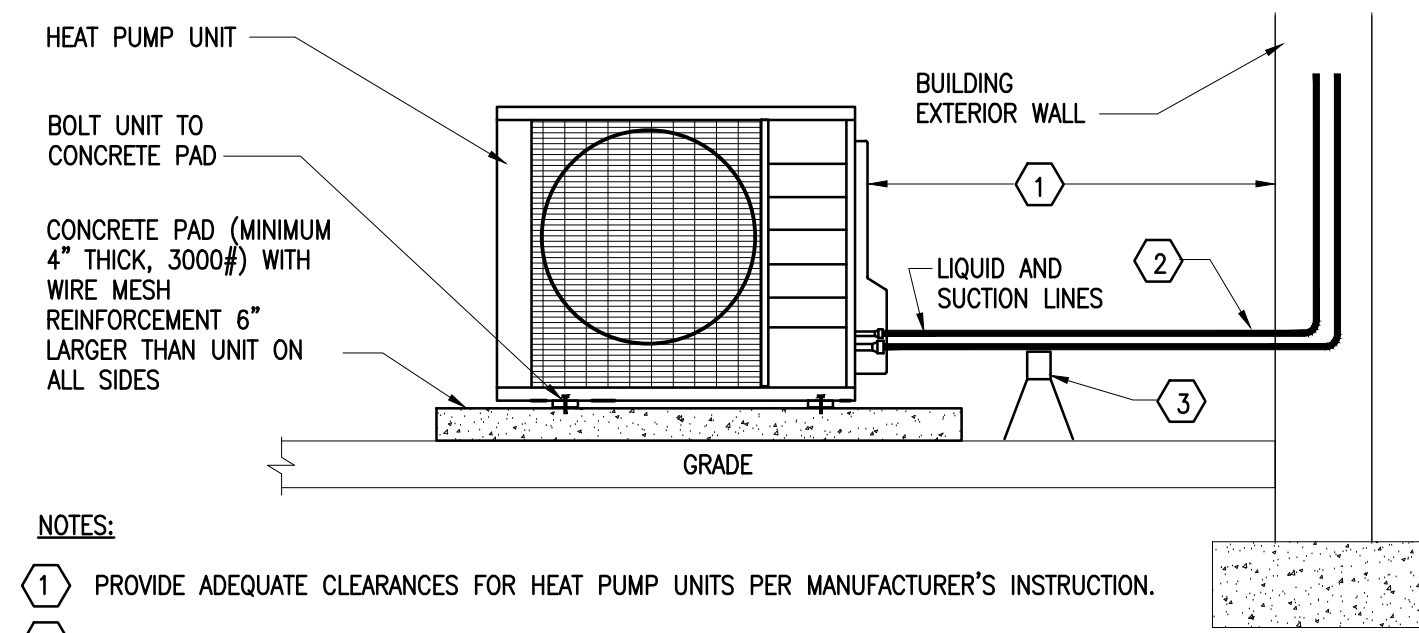
7 THRU-WALL MOUNTED HEAT PUMP
SCHEMATIC: NO SCALE



CONDENSING UNIT MOUNTING:

1. PROVIDE ADEQUATE CLEARANCES FOR CONDENSING UNITS PER MANUFACTURER'S INSTRUCTION. THIS DESIGN IS BASED ON CARRIER/BRYANT EQUIPMENT THAT REQUIRES 24" BETWEEN UNITS, 30" SERVICE SIDE CLEARANCE AND 12" MINIMUM TO STRUCTURE.
2. ROUTE REFRIGERANT LINES TO FCU THROUGH WALL SLEEVE. ROUTE LINESETS WHERE THEY WILL NOT CAUSE A NUISANCE, OBSTRUCTION, OR BE DAMAGED OR DISTURBED BY FOOT OR VEHICULAR TRAFFIC OR WEATHER. SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.
3. SEE GENERAL NOTES REGARDING LABELING OF UNITS. LABEL WITH APARTMENT NUMBER.
4. ISOLATION PAD SHALL BE INORGANIC FIBERGLASS WITH A FLEXIBLE ELASTOMERIC COATING, 1" THICK, 2" X 2" SQUARE AT EACH CORNER, MIN LOAD RANGE OF 40 TO 80 LBS & A MIN STATIC DEFLECTION OF 0.20 TO 0.30 INCHES. MANUFACTURED BY KINETICS MODEL KIP-22-G OR EQUAL. PROVIDE SHOP DRAWING SUBMITTALS.
5. PAD: 3" THICK CONCRETE OR EXPANDED POLYSTYRENE FOAM (EPS) HAVING A 1LB/CU F.T. DENSITY, A 1/4" THICK CEMENT/FIBER COATING ON EXPOSED SIDES. BASIS: DIVERSITECH ULTRALITE PAD

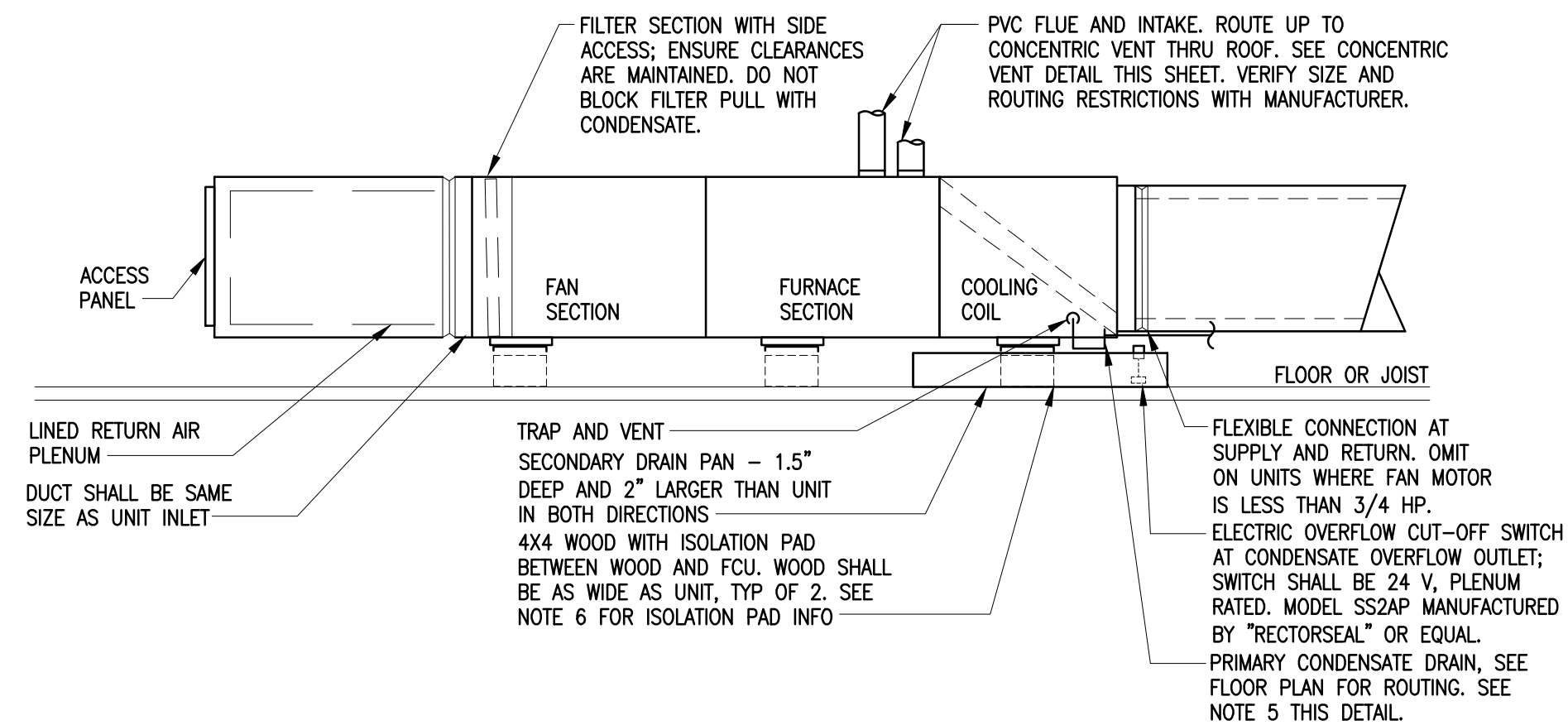
6 CONDENSING/HP UNIT MOUNTING ON GRADE
SCHEMATIC: NO SCALE



NOTES:

1. PROVIDE ADEQUATE CLEARANCES FOR HEAT PUMP UNITS PER MANUFACTURER'S INSTRUCTION.
2. INSTALL REFRIGERANT LINES FROM BUILDING TO HEAT PUMPS VIA MOST DIRECT ROUTE.
3. SUPPORT LINES WITH REFRIGERANT PIPING SUPPORT, SEE DETAIL THIS PAGE.

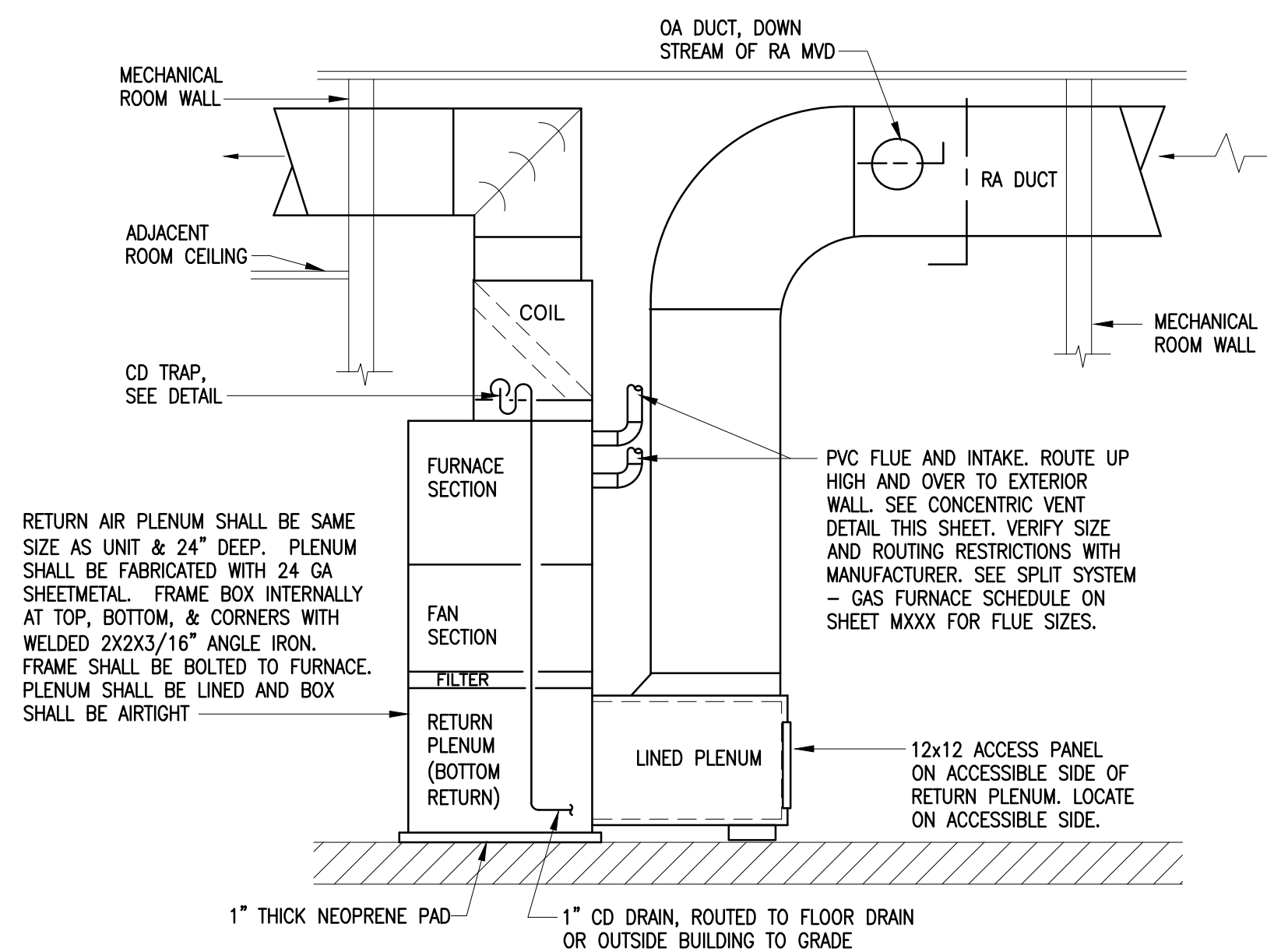
5 DUCTLESS SPLIT HEAT PUMP MOUNTING ON GRADE
SCHEMATIC: NO SCALE



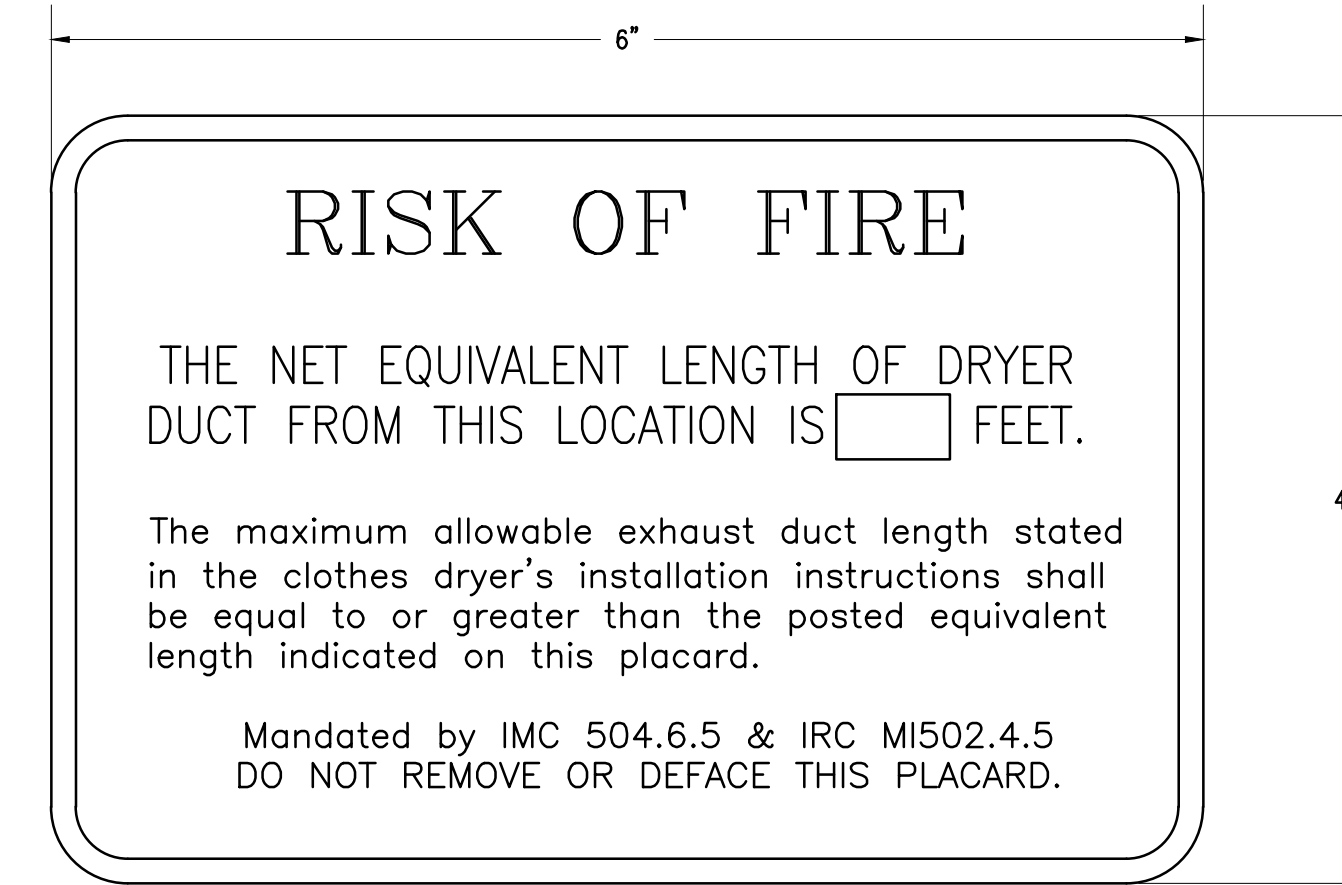
NOTE:

1. IF UNIT IS LOCATED ON ROOF JOISTS, PROVIDE A 3/4" THICK TREATED PLYWOOD PLATFORM ON THE SERVICE SIDE OF UNIT. PLATFORM SHALL BE MINIMUM OF 30" WIDE, AND 48" LONG.
2. PLACE UNIT AND SUPPORTS SO THAT FILTERS AND ACCESS TO INTERNAL COMPONENTS OF UNIT ARE EASILY ACCESSIBLE.
3. ACCESS DOOR SHALL BE INSULATED. SEE GENERAL NOTES. DOORS SHALL BE SIZED 1" SMALLER THAN DUCT WIDTH U.N.O.
4. CONDENSATE DRAIN SHALL BE 1.25" FOR UNITS GREATER THAN A 5 TON UNIT AND 1" FOR ALL OTHER UNITS. SLOPE AT 1/8" PER FOOT (MIN). DUCT SHALL BE INSULATED EVEN WHEN LINED. LINER IS NOT A SUBSTITUTE FOR INSULATION.
5. ISOLATION PAD SHALL BE INORGANIC FIBERGLASS WITH A FLEXIBLE ELASTOMERIC COATING, 1" THICK, 2" X 2" SQUARE AT EACH CORNER, MIN LOAD RANGE OF 40 TO 80 LBS & A MIN STATIC DEFLECTION OF 0.20 TO 0.30 INCHES. MANUFACTURED BY KINETICS MODEL KIP-22-G OR EQUAL. PROVIDE SHOP DRAWING SUBMITTALS.

4 FLOOR MOUNTED HORIZONTAL FURNACE WITH COOLING COIL DETAIL
SCHEMATIC: NO SCALE



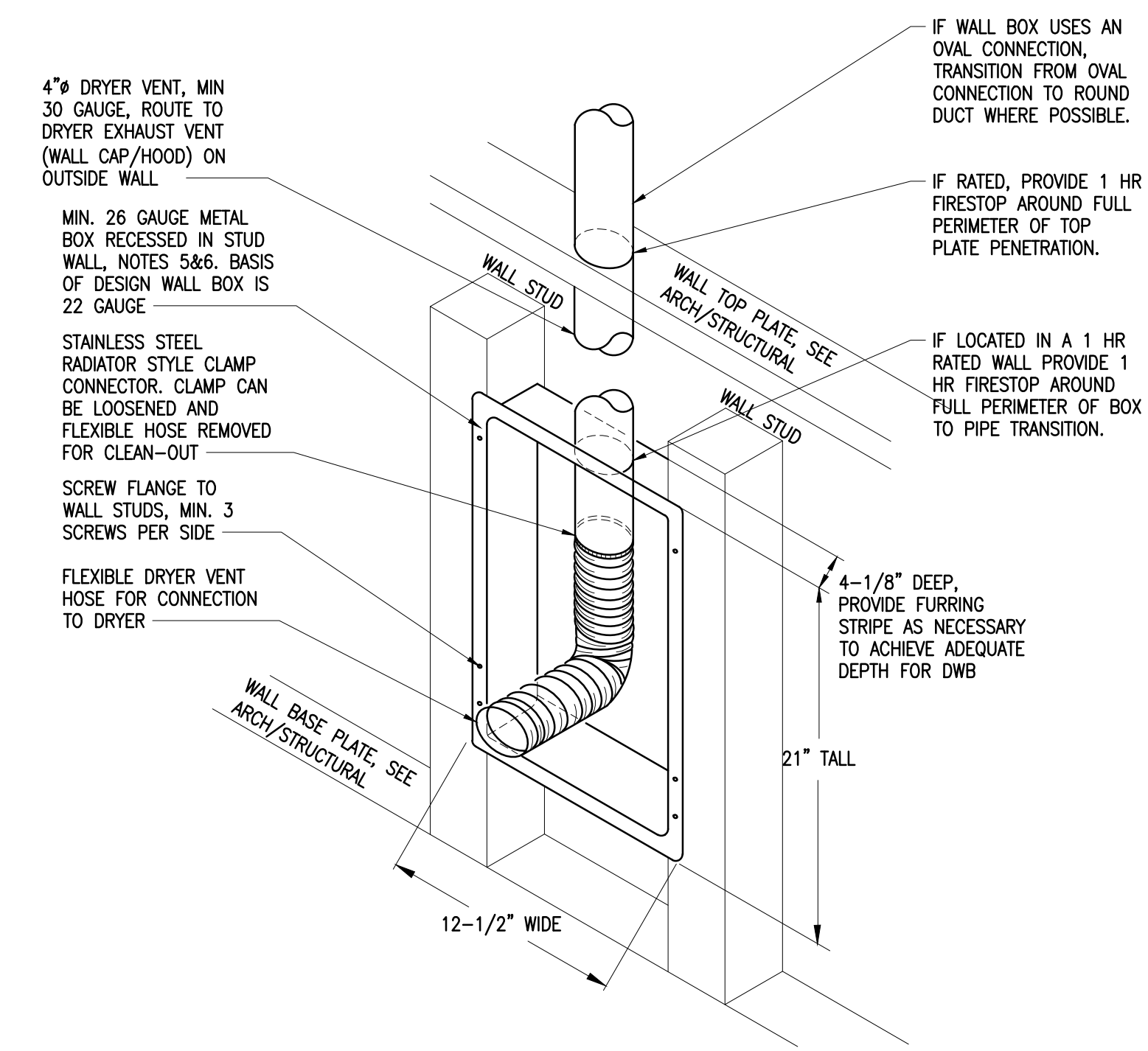
3 VERTICAL GAS FIRED FURNACE DETAIL
SCHEMATIC: NO SCALE



NOTE:

1. WHERE THE EXHAUST DUCT IS CONCEALED WITHIN THE BUILDING CONSTRUCTION, THE EQUIVALENT LENGTH OF THE EXHAUST DUCT SHALL BE IDENTIFIED ON A PERMANENT LABEL OR TAG. THE LABEL OR TAG SHALL BE:
2. LOCATED WITHIN 6 FEET OF THE EXHAUST DUCT CONNECTION.
3. VISIBLE WHEN WASHER AND DRYER ARE INSTALLED.
4. A MINIMUM 6" LONG BY 4" TALL.
5. CONSTRUCTED OF PLASTIC WITH PRE-DRILLED OPENINGS AT EACH CORNER FOR ATTACHMENT.
6. ATTACHED TO THE WALL USING BLACK THREADED MOLY SCREWS AND BLACK FLAT WASHERS.
7. SIGN BACKGROUND SHALL BE RED WITH WHITE LETTERS.
8. FILL IN VENT LENGTH AND ELBOW INFORMATION AS INSTALLED PER FIELD CONDITIONS.

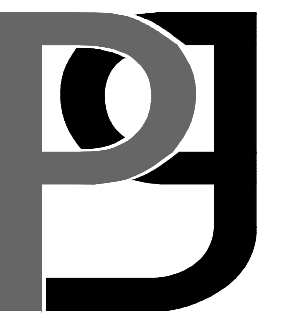
2 DRYER VENT WARNING LABEL
SCHEMATIC: NO SCALE



NOTES:

1. DRYER WALL BOX (DWB) SHALL NOT BE LOCATED IN A DEMISING WALL.
2. DWB LOCATED IN 1 HR FIRE RATED WALLS SHALL BE UL RATED TO BE INSTALLED IN A 1 HR RATED WALL AND IF APPROVED DURING SUBMITTAL REVIEW.
3. DWB SHALL BE PREFABRICATED AND MADE STEEL. PLASTIC WALL BOX MAY BE USED IF NOT INSTALLED IN RATED WALL.
4. DIMENSIONS OF BOX ARE APPROXIMATE.
5. DWB SHALL BE LOCATED IN 2x6 FRAMED WALL WHEN POSSIBLE. COORDINATE WITH ARCHITECT AND FLOOR PLANS. 2x6 WALL BOX BASIS OF DESIGN: IN-O-VATE MODEL DB-425.
6. WALL BOXES DESIGNED FOR USE IN 2x4 FRAME WALL MAY BE USED IF NECESSARY. WALL BOXES IN 2x4 WALLS USE 4" OVAL DUCT IN VERTICAL. TRANSITION OVAL DUCT TO 4" ROUND (OR AS SPECIFIED) IN HORIZONTAL AND AT FLEXIBLE TRANSITION DUCT CONNECTION. 2x4 WALL BOX BASIS OF DESIGN: IN-O-VATE MODEL DB-350.
7. FOR STAND ALONE DRYERS MOUNT BOX SUCH THAT BOTTOM IS 18" AFF.
8. FOR STACKED DRYERS, MOUNT BOX SUCH THAT TOP OF BOX IS 36" BELOW CEILING.

1 RESIDENTIAL STYLE DRYER WALL BOX DETAIL
SCHEMATIC: NO SCALE



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SEAL



10-13-23

PROJECT

Renovation of Existing Group Home
4487 Trickum Road
Marietta, Georgia 30066

FOR

AARON ROSENHAFT,
LIAMARA RIVERS ESTATES,
LLC

REVISIONS

DATE 10.06.23

JOB NUMBER NC2230489

DRAWN BY CSB

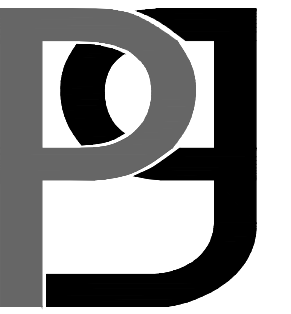
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DRAWING TITLE

Mechanical Details

DRAWING NUMBER

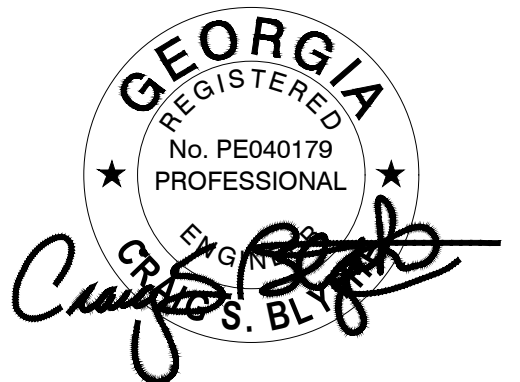
M003



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SEAL



10-13-23

PROJECT

Renovation of Existing Group Home

4487 Trickum Road
Marietta, Georgia 30066

FOR

**AARON ROSENHAFT,
LIAMARA RIVERS ESTATES,
LLC**

REVISIONS

DATE **10.06.23**

JOB NUMBER **NC2230489**

DRAWN BY **CSB**

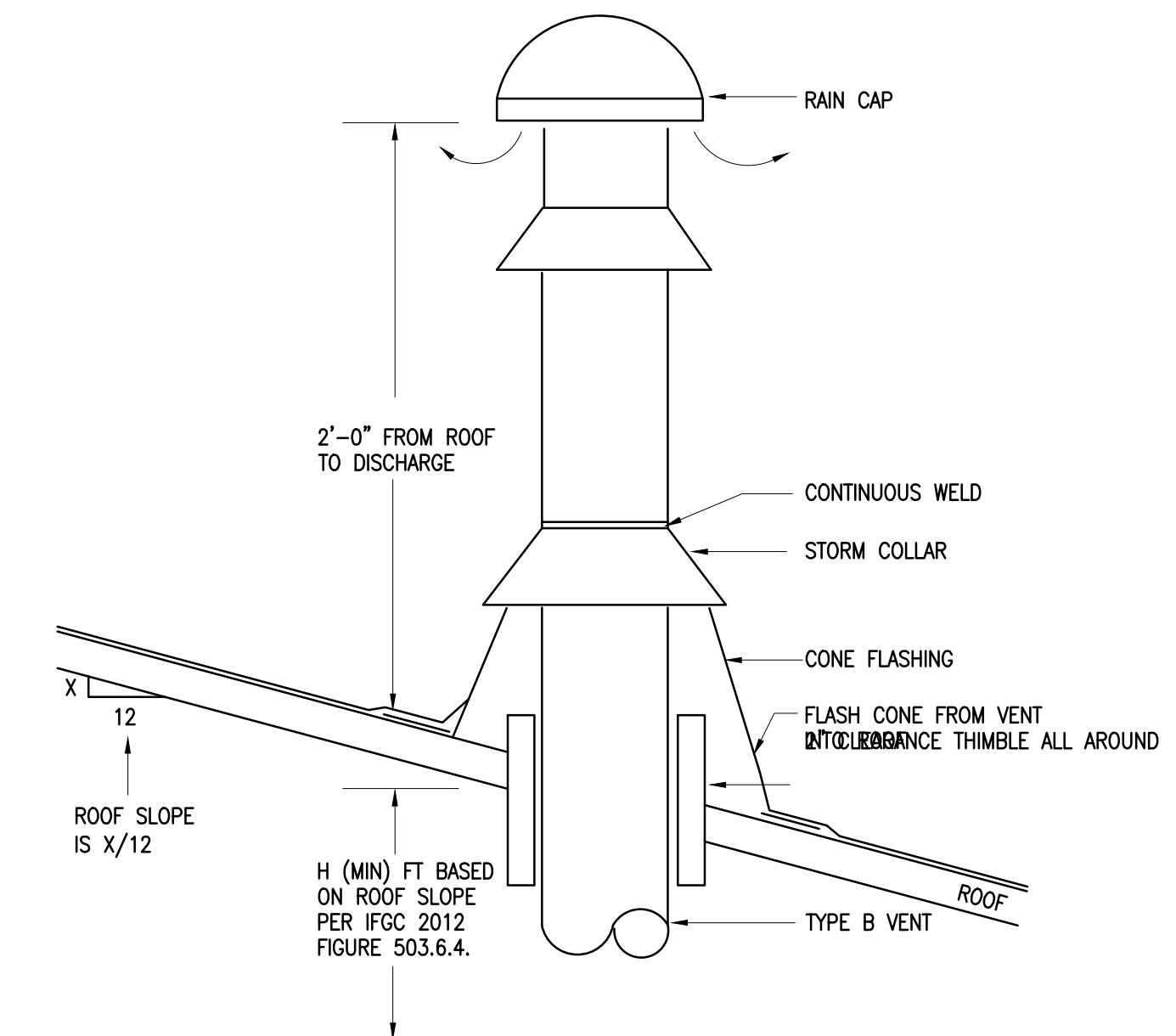
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DRAWING TITLE

Mechanical Details

DRAWING NUMBER

M004



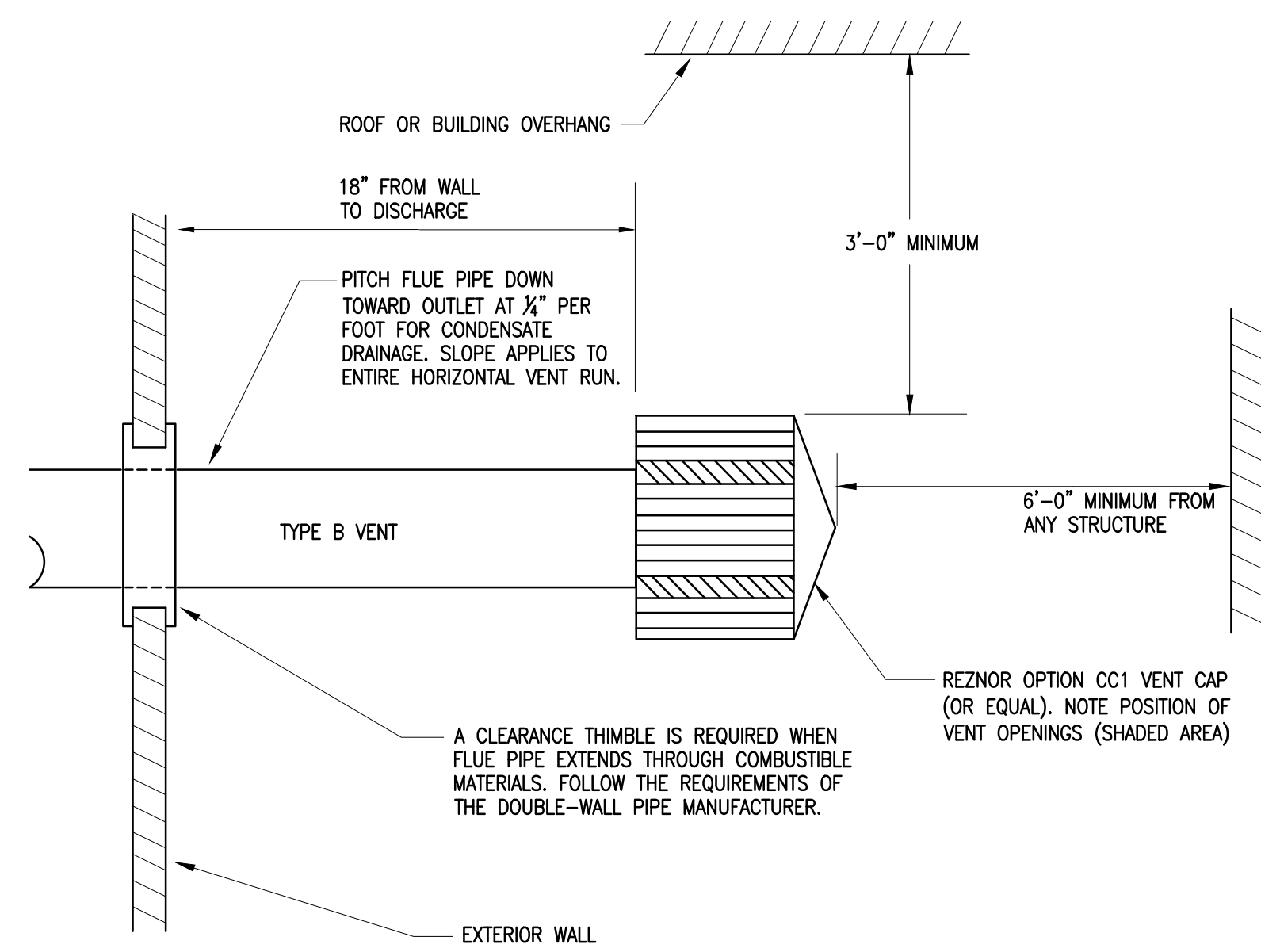
ROOF SLOPE	H (MIN) FT
FLAT TO 6/12	1.0
OVER 6/12 TO 7/12	1.25
OVER 7/12 TO 8/12	1.5
OVER 8/12 TO 9/12	2.0
OVER 9/12 TO 10/12	2.5
OVER 10/12 TO 11/12	3.25
OVER 11/12 TO 12/12	4.0

FIGURE 503.6.4
TERMINATION LOCATIONS FOR GAS VENTS WITH LISTED CAPS 12 INCHES OR LESS IN SIZE AT LEAST 8 FEET FROM A VERTICAL WALL

NOTE:
THE CONTRACTOR SHALL NOT ORDER OR INSTALL THE FLUE PIPE PRIOR TO THE ENGINEER RECEIVING AND RETURNING SUBMITTALS FOR THE EQUIPMENT.

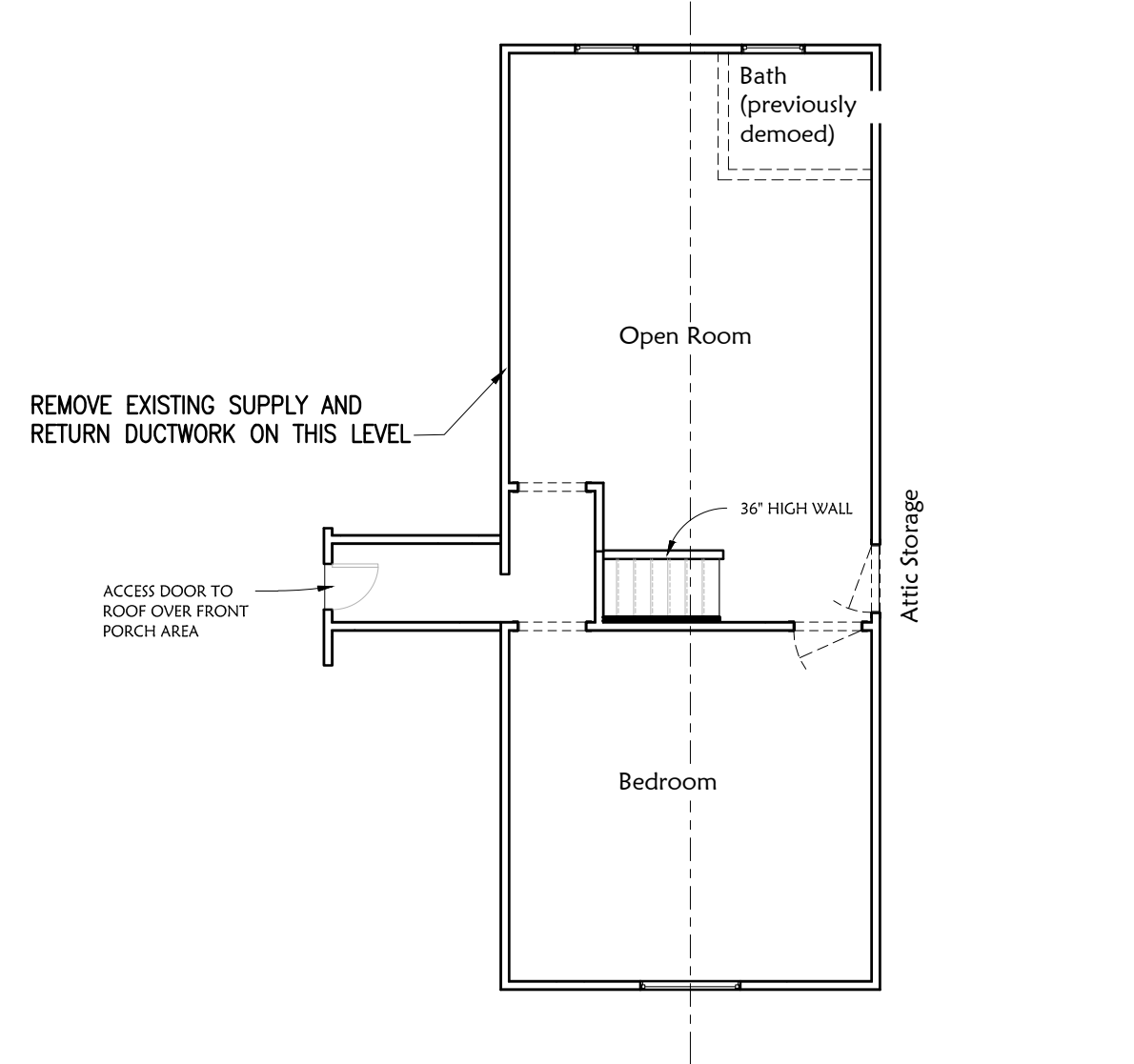
2 TYPE B VENT THRU ROOF

SCHEMATIC: NO SCALE

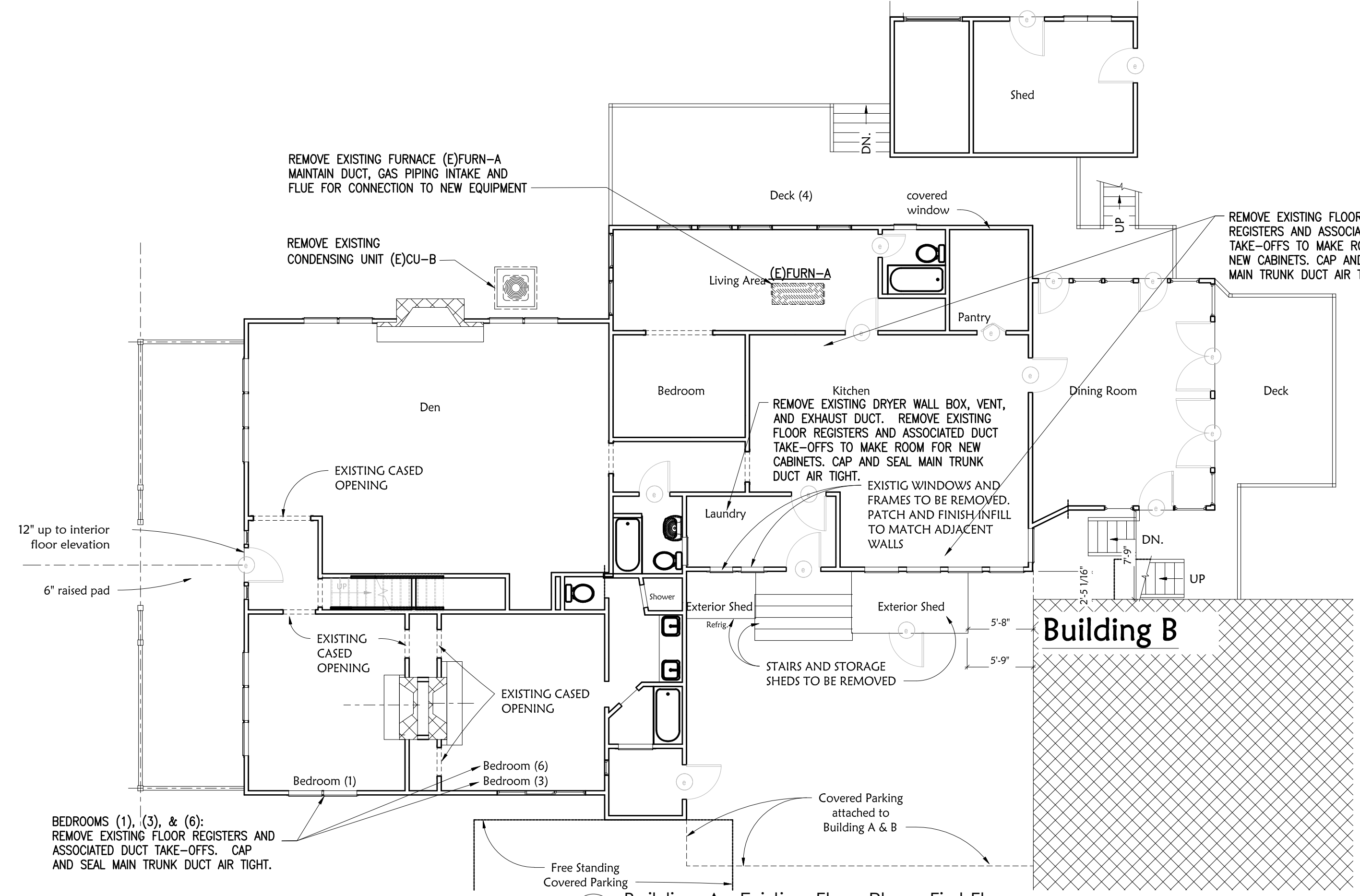


1 TYPE B VENT THRU WALL

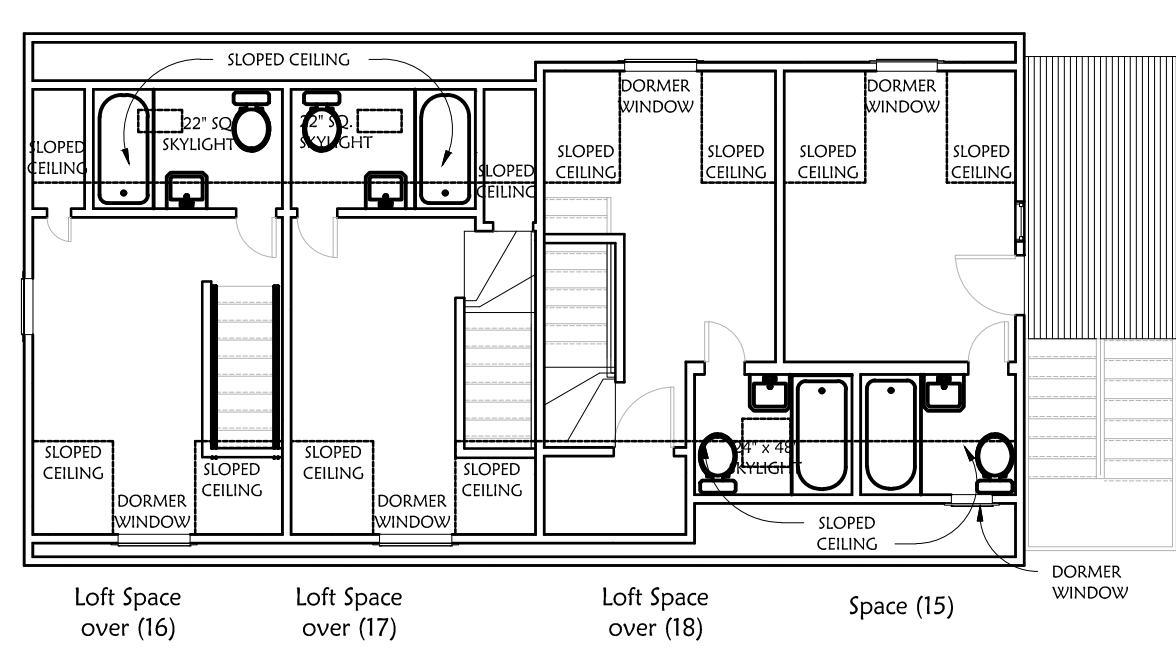
SCHEMATIC: NO SCALE



5 Building A - Existing Floor Plan - Second Floor
Scale: 1/8"= 1'-0" Plan



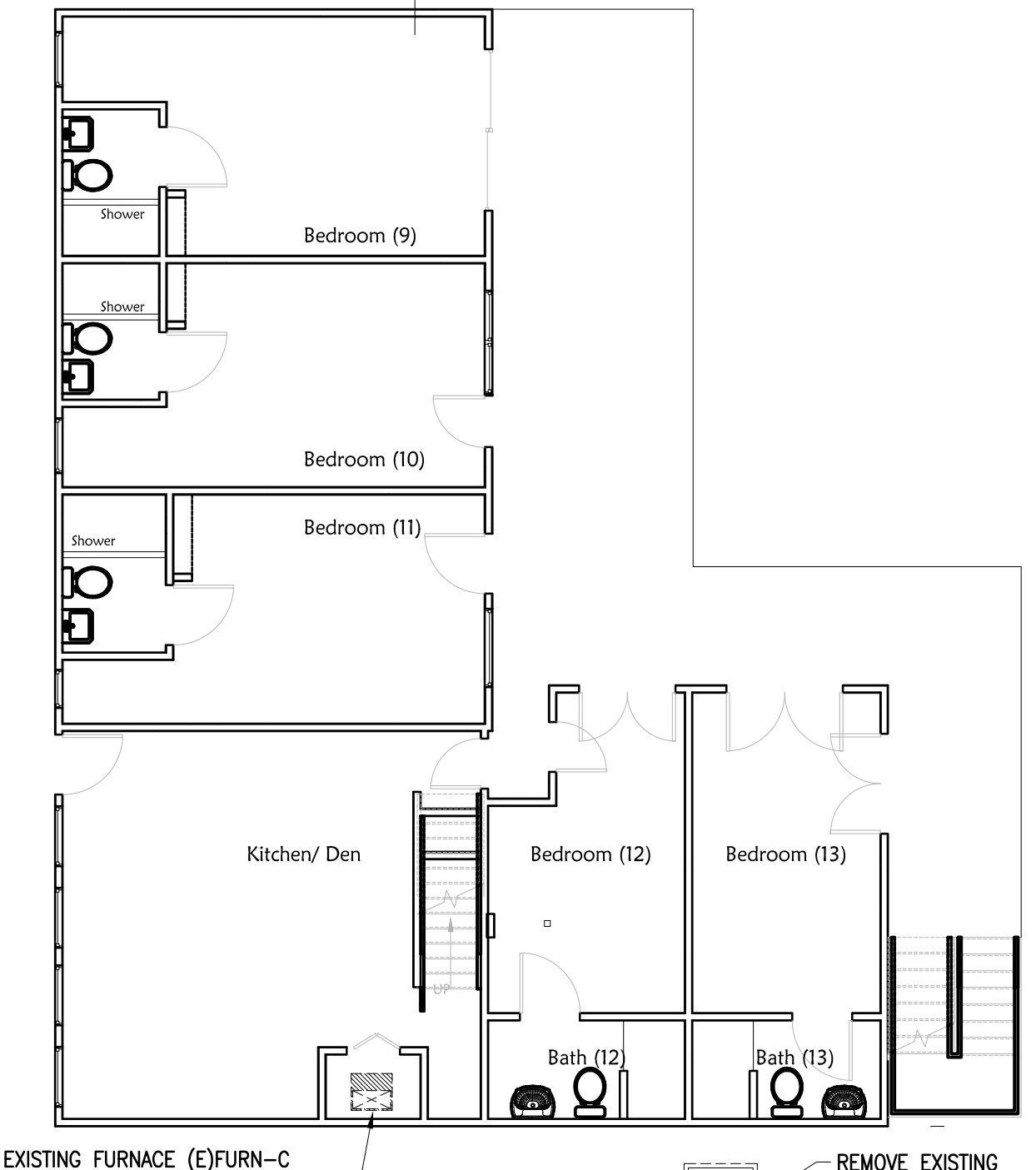
4 Building A - Existing Floor Plan - First Floor
Scale: 1/8"= 1'-0" Plan



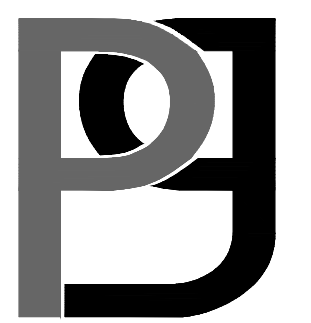
3 Building B - Existing Floor Plan - Third Floor
Scale: 1/8"= 1'-0" Plan



2 Building B - Existing Floor Plan - Second Floor
Scale: 1/8"= 1'-0" Plan

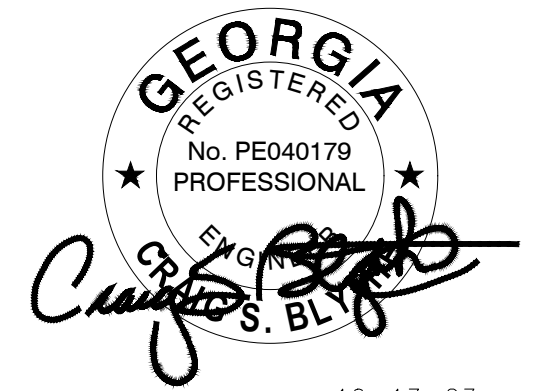


1 Building B - Existing Floor Plan - First Floor
Scale: 1/8"= 1'-0" Plan



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10-13-23

PROJECT
Renovation of Existing Group Home
4487 Trickum Road
Marietta, Georgia 30066

FOR

AARON ROSENHAFT,
LIAMARA RIVERS ESTATES,
LLC

REVISIONS

DATE **10.06.23**

JOB NUMBER **NC2230489**

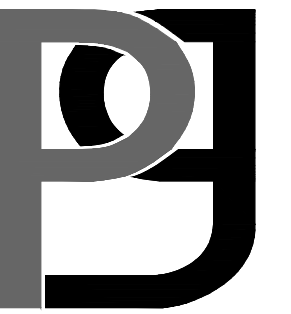
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DRAWING TITLE
Existing Plans - Building A & B

DRAWING NUMBER

M101



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SEAL



10-13-23

PROJECT

**Renovation of Existing
Group Home**
4487 Trickum Road
Marietta, Georgia 30066

FOR

**AARON ROSENHAFT,
LIAMARA RIVERS ESTATES,
LLC**

REVISIONS

DATE 10.06.23
JOB NUMBER NC2230489
DRAWN BY CSB
CHECKED BY CDF

DRAWING TITLE
**Renovation Plans -
Building A**

DRAWING NUMBER

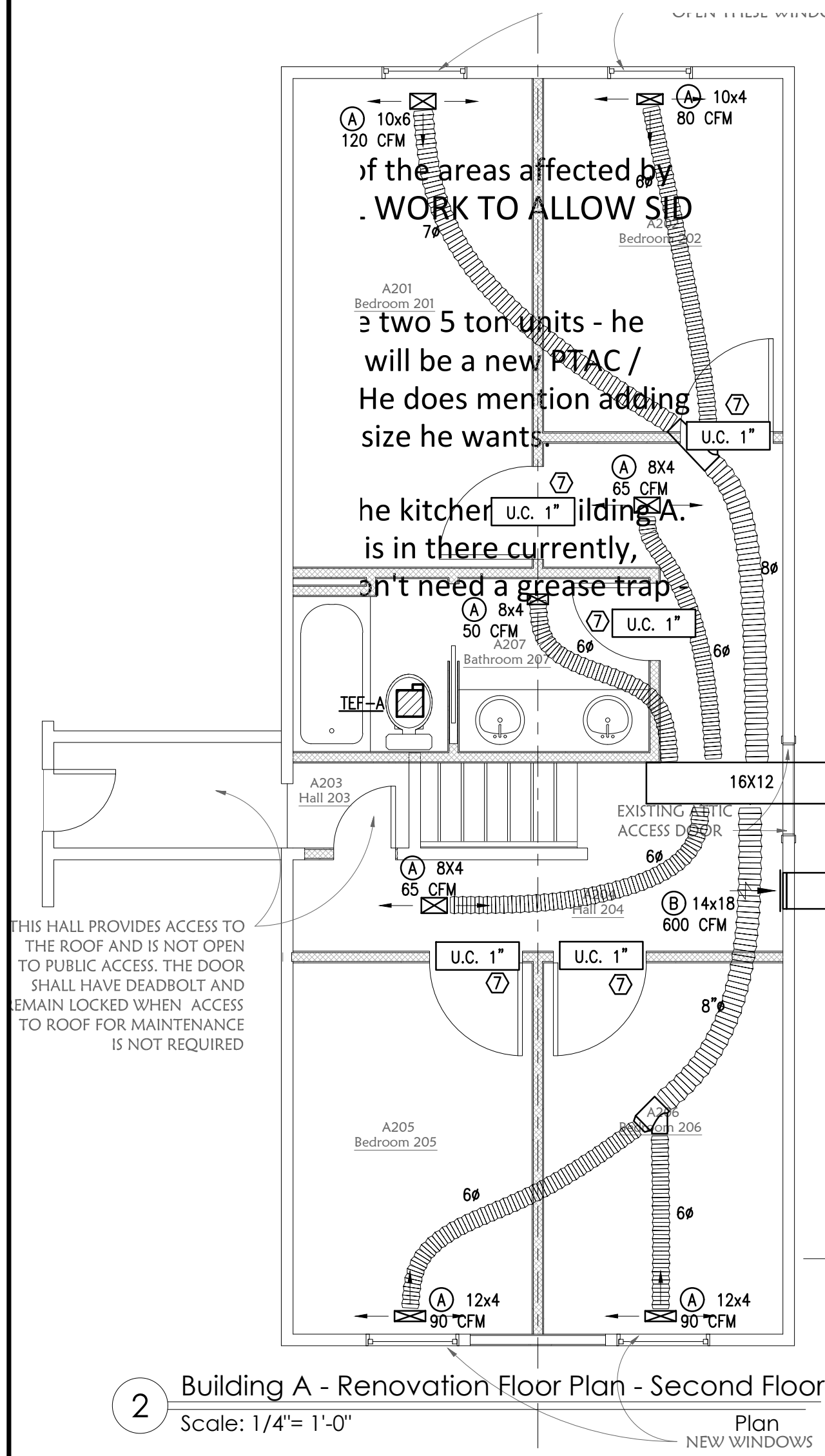
M102

KEY NOTES

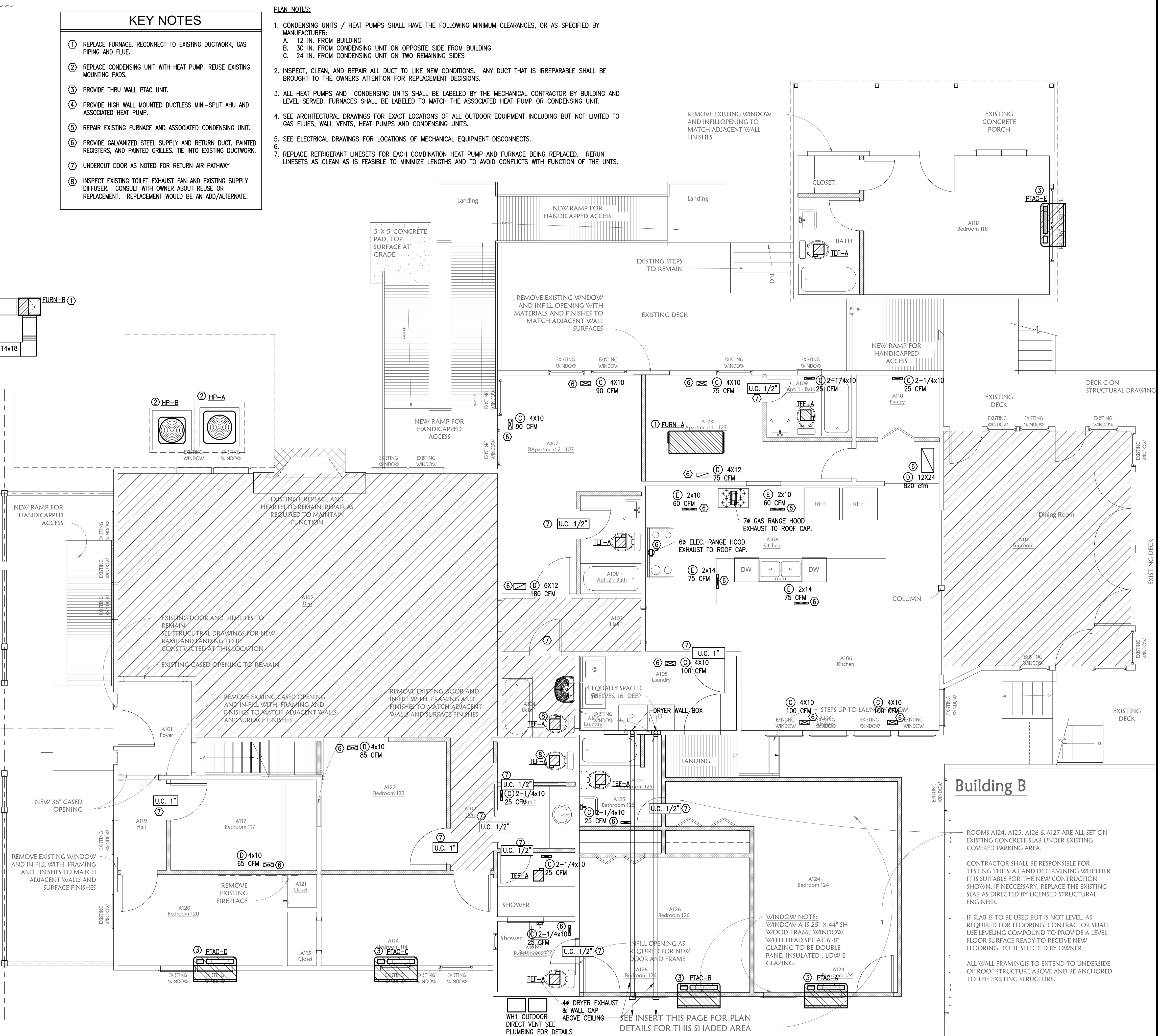
1. REPLACE FURNACE. RECONNECT TO EXISTING DUCTWORK, GAS PIPING AND FLUE.
2. REPLACE CONDENSING UNIT WITH HEAT PUMP. REUSE EXISTING MOUNTING PADS.
3. PROVIDE THRU WALL PTAC UNIT.
4. PROVIDE HIGH WALL MOUNTED DUCTLESS MINI-SPLIT AHU AND ASSOCIATED HEAT PUMP.
5. REPAIR EXISTING FURNACE AND ASSOCIATED CONDENSING UNIT.
6. PROVIDE GALVANIZED STEEL SUPPLY AND RETURN DUCT, PAINTED REGISTERS, AND PAINTED GRILLES. TIE INTO EXISTING DUCTWORK.
7. UNDERCUT DOOR AS NOTED FOR RETURN AIR PATHWAY
8. INSPECT EXISTING TOILET EXHAUST FAN AND EXISTING SUPPLY DIFFUSER. CONSULT WITH OWNER ABOUT REUSE OR REPLACEMENT. REPLACEMENT WOULD BE AN ADD/ALTERNATE.

PLAN NOTES:

1. CONDENSING UNITS / HEAT PUMPS SHALL HAVE THE FOLLOWING MINIMUM CLEARANCES, OR AS SPECIFIED BY MANUFACTURER:
A. 12 IN. FROM BUILDING
B. 30 IN. FROM CONDENSING UNIT ON OPPOSITE SIDE FROM BUILDING
C. 24 IN. FROM CONDENSING UNIT ON TWO REMAINING SIDES
2. INSPECT, CLEAN, AND REPAIR ALL DUCT TO LIKE NEW CONDITIONS. ANY DUCT THAT IS IRREPARABLE SHALL BE BROUGHT TO THE OWNERS ATTENTION FOR REPLACEMENT DECISIONS.
3. ALL HEAT PUMPS AND CONDENSING UNITS SHALL BE LABELED BY THE MECHANICAL CONTRACTOR BY BUILDING AND LEVEL SERVED. FURNACES SHALL BE LABELED TO MATCH THE ASSOCIATED HEAT PUMP OR CONDENSING UNIT.
4. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL OUTDOOR EQUIPMENT INCLUDING BUT NOT LIMITED TO GAS FLUES, WALL VENTS, HEAT PUMPS AND CONDENSING UNITS.
5. SEE ELECTRICAL DRAWINGS FOR LOCATIONS OF MECHANICAL EQUIPMENT DISCONNECTS.
6. REPLACE REFRIGERANT LINESETS FOR EACH COMBINATION HEAT PUMP AND FURNACE BEING REPLACED. RERUN LINESETS AS CLEAN AS IS FEASIBLE TO MINIMIZE LENGTHS AND TO AVOID CONFLICTS WITH FUNCTION OF THE UNITS.



2 Building A - Renovation Floor Plan - Second Floor
Scale: 1/4" = 1'-0"
Plan NEW WINDOWS



1 Building A - Renovation Floor Plan - First Floor
Scale: 1/4" = 1'-0"
Plan

Building B

ROOMS A124, A125, A126 & A127 ARE ALL SET ON EXISTING CONCRETE SLAB UNDER EXISTING COVERED PARKING AREA.

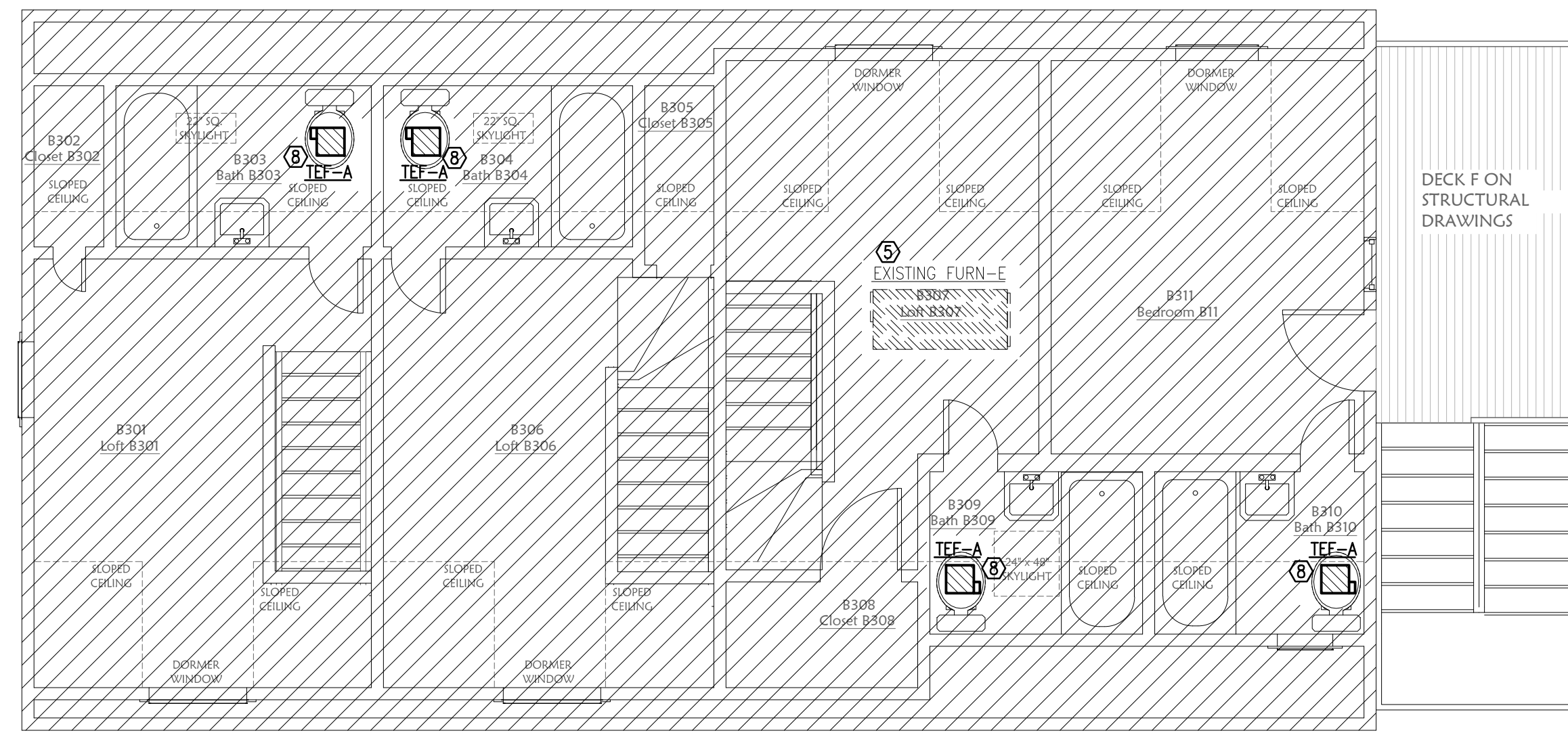
CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING THE SLAB AND DETERMINING WHETHER IT IS SUITABLE FOR THE NEW CONSTRUCTION SHOWN. IF NECESSARY, REPLACE THE EXISTING SLAB AS DIRECTED BY LICENSED STRUCTURAL ENGINEER.

IF SLAB IS TO BE USED BUT IS NOT LEVEL, AS REQUIRED FOR FLOORING, CONTRACTOR SHALL USE LEVELING COMPOUND TO PROVIDE A LEVEL FLOOR SURFACE READY TO RECEIVE NEW FLOORING. TO BE SELECTED BY OWNER.

ALL WALL FRAMINGS TO EXTEND TO UNDERSIDE OF ROOF STRUCTURE ABOVE AND BE ANCHORED TO THE EXISTING STRUCTURE.

WINDOW NOTE:
WINDOW A IS 25" X 44" SH WOOD FRAME WINDOW WITH HEAD SET AT 6'-8" GLAZING TO BE DOUBLE PANE, INSULATED, LOW E GLAZING.

40 DRYER EXHAUST & WALL CAP ABOVE CEILING - SEE INSERT THIS PAGE FOR PLAN DETAILS FOR THIS SHADED AREA



NOTE: ALL WINDOWS AND DOORS ON THIS LEVEL ARE EXISTING

3 Building B - Renovation Floor Plan - Third Floor
Scale: 1/4" = 1'-0" Plan

- ### KEY NOTES
- ① REPLACE FURNACE. RECONNECT TO EXISTING DUCTWORK, GAS PIPING AND FLUE.
 - ② REPLACE CONDENSING UNIT WITH HEAT PUMP. REUSE EXISTING MOUNTING PADS.
 - ③ NOT USED
 - ④ NOT USED
 - ⑤ REPAIR EXISTING FURNACE AND ASSOCIATED CONDENSING UNIT.
 - ⑥ PROVIDE GALVANIZED STEEL SUPPLY AND RETURN DUCT, PAINTED REGISTERS, AND PAINTED GRILLES. TIE INTO EXISTING DUCTWORK.
 - ⑦ UNDERCUT DOOR AS NOTED FOR RETURN AIR PATHWAY
 - ⑧ INSPECT EXISTING TOILET EXHAUST FAN AND EXISTING SUPPLY DIFFUSER. CONSULT WITH OWNER ABOUT REUSE OR REPLACEMENT. REPLACEMENT WOULD BE AN ADD/ALTERNATE.

- ### PLAN NOTES:
1. CONDENSING UNITS / HEAT PUMPS SHALL HAVE THE FOLLOWING MINIMUM CLEARANCES, OR AS SPECIFIED BY MANUFACTURER:
A. 12 IN. FROM BUILDING
B. 30 IN. FROM CONDENSING UNIT ON OPPOSITE SIDE FROM BUILDING
C. 24 IN. FROM CONDENSING UNIT ON TWO REMAINING SIDES
 2. INSPECT, CLEAN, AND REPAIR ALL DUCT TO LIKE NEW CONDITIONS. ANY DUCT THAT IS IRREPARABLE SHALL BE REPLACED.
 3. PROVIDE NEW DUCT WRAP ON ALL NEW AND EXISTING DUCTWORK.
 4. ALL HEAT PUMPS AND CONDENSING UNITS SHALL BE LABELED BY THE MECHANICAL CONTRACTOR BY BUILDING AND LEVEL SERVED. FURNACES SHALL BE LABELED TO MATCH THE ASSOCIATED HEAT PUMP OR CONDENSING UNIT.
 5. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL OUTDOOR EQUIPMENT INCLUDING BUT NOT LIMITED TO GAS FLUES, WALL VENTS, HEAT PUMPS AND CONDENSING UNITS.
 6. SEE ELECTRICAL DRAWINGS FOR LOCATIONS OF MECHANICAL EQUIPMENT ELECTRICAL DISCONNECTS.
 7. REPLACE REFRIGERANT LINESETS FOR EACH COMBINATION HEAT PUMP AND FURNACE BEING REPLACED. RERUN LINESETS AS CLEAN AS IS FEASIBLE TO MINIMIZE LENGTHS AND TO AVOID CONFLICTS WITH FUNCTION OF THE UNITS AND OTHER PIPING INSTALLATION.

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GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. PE040179
Christopher S. Bly
10-13-23

PROJECT

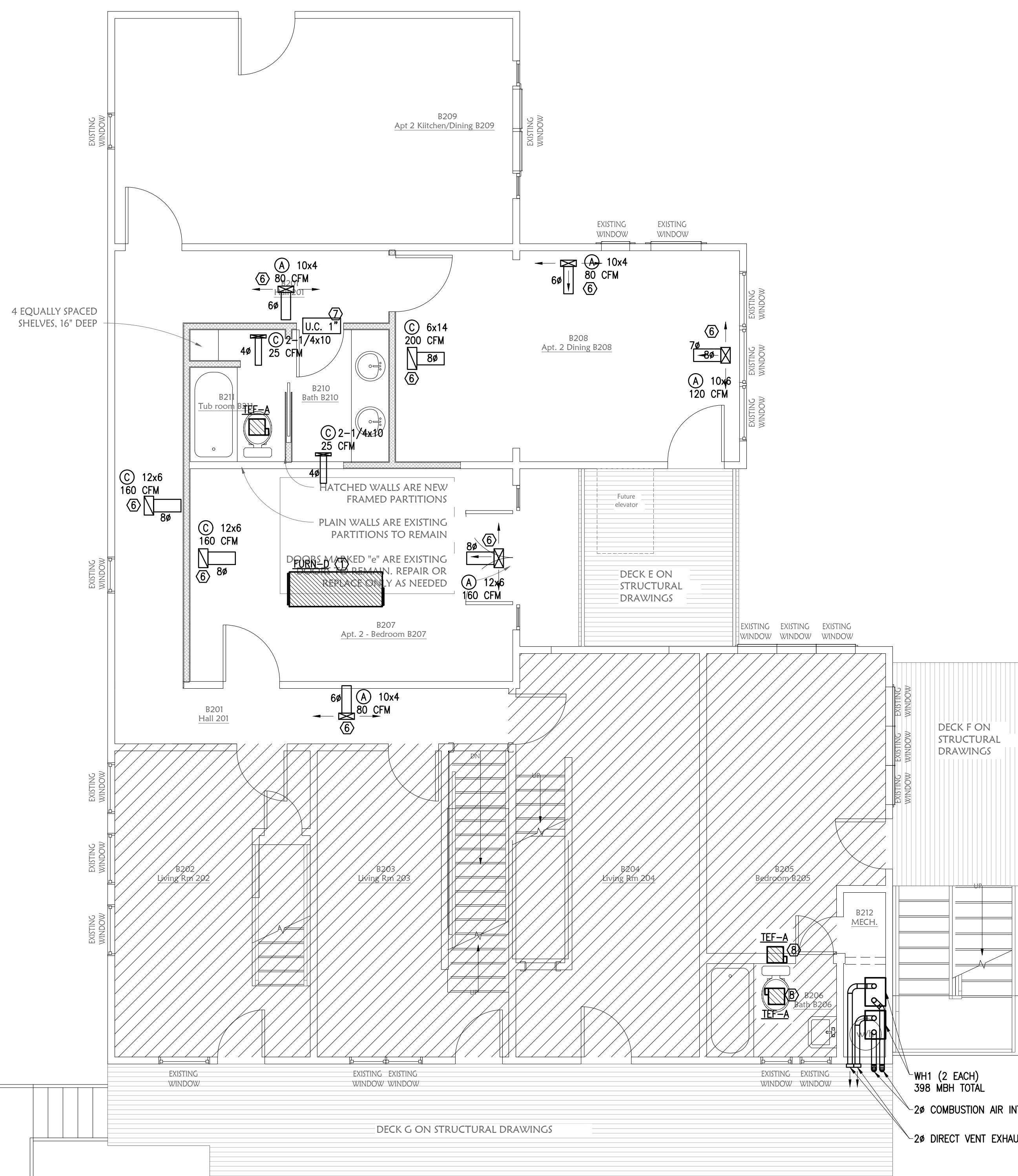
Renovation of Existing Group Home
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FOR

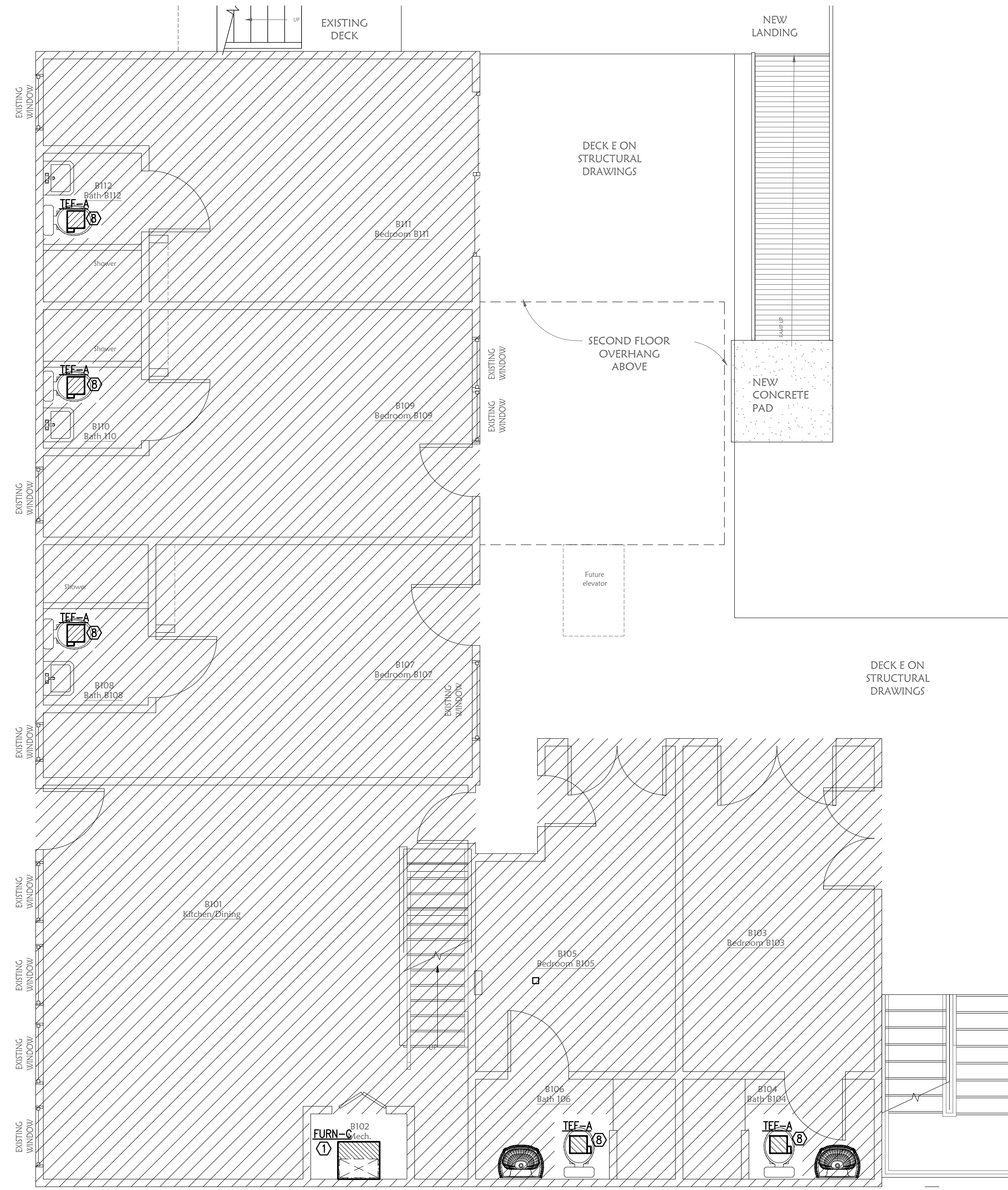
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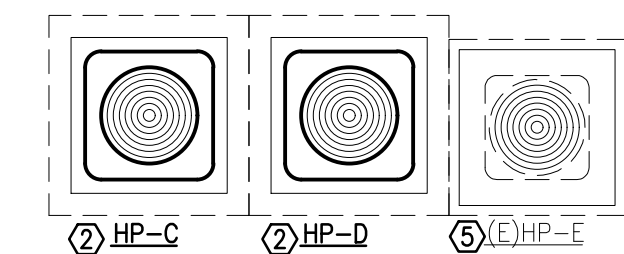
DATE 10.06.23
JOB NUMBER NC2230489
DRAWN BY CSB
CHECKED BY CDF
DRAWING TITLE Renovation Plans - Building B
DRAWING NUMBER M103



2 Building B - Renovation Floor Plan - Second Floor
Scale: 1/4" = 1'-0" Plan



NOTE: ALL WINDOWS AND DOORS ON THIS LEVEL ARE EXISTING



1 Building B - Renovation Floor Plan - First Floor
Scale: 1/4" = 1'-0" Plan



TAG	DESCRIPTION	CONNECTIONS		HEIGHT	WATER USE	DESCRIPTION	FINISH/COLOR	MODEL	KEY NOTES
		CW	S/W						
IMB	ICE MACHINE BOX	1/2"	-	24"	-	RECESSED, MOLDED PLASTIC, MOUNTING BRACKETS, FACEPLATE FRAME, PRE-INSTALLED COLD WATER VALVE WITH INTEGRAL WATER HAMMER ARRESTOR.	BOX VALVE: WHITE POLISHED CHROME	DATEY 38148/38491 OR EQUAL BY GUY GRAY, DATEY, SIOUX CHIEF OR APPROVED EQUAL.	(1)
L1	PRIVATE ROOM, COUNTERTOP, UNDERMOUNT LAVATORY	1/2"	1/2"	1-3/4"	-	1.2 GPM BOWL: VITREOUS CHINA, 17" X 13" RECTANGLE, UNDERMOUNT, FAUCET HOLES ON 4" CENTERS. FAUCET: SINGLE LEVER, RED/BLUE HOT/COLD INDICATORS, CERAMIC CONTROL COMPONENTS, 4" CENTERS, BRONZE BODY, ALL METAL CONSTRUCTION, AERATOR, LEFT ROD AND POP-UP DRAIN ASSEMBLY.	BOWL: WHITE POLISHED CHROME FAUCET: WHITE POLISHED CHROME	BOWL: KOHLER K-2862 OR EQUAL BY AMERICAN STANDARD, BRIGGS, STERLING, OR APPROVED OTHER. FAUCET: OLYMPIA L-6550 SERIES OR EQUAL BY DELTA, KOHLER, CFG, OR APPROVED OTHER.	(2)
L2	WALL MOUNT, PEDESTAL LAVATORY	1/2"	1/2"	1-3/4"	31"	1.2 GPM BOWL: VITREOUS CHINA, RECTANGULAR BASIN WITH PEDESTAL, FAUCET HOLES ON 4" CENTERS, COMPATIBLE WITH CONCEALED ARM CARRIER. FAUCET: SINGLE LEVER, RED/BLUE HOT/COLD INDICATORS, CERAMIC CONTROL COMPONENTS, 4" CENTERS, BRONZE BODY, ALL METAL CONSTRUCTION, FLOW LIMITING AERATOR.	BOWL: WHITE POLISHED CHROME FAUCET: WHITE POLISHED CHROME	BOWL: KOHLER K-2359 OR EQUAL BY AMERICAN STANDARD, KOHLER, TOTO, OR OTHER APPROVED EQUAL. FAUCET: CLEVELAND FAUCET 42711 OR EQUAL BY DELTA, KOHLER, OLYMPIA, STAMONS OR APPROVED OTHER.	(4)(5)
S1	STAINLESS STEEL, TWO COMPARTMENT SINK	1/2"	1/2"	1-3/4"	-	1.8 GPM BOWL: TWO COMPARTMENT, UNDERMOUNT, 18 GAUGE TYPE 304 STAINLESS STEEL, CENTER PUNCHED DRAIN HOLE, 13.5"x16"X8" DEEP BOWL WITH ROUNDED CORNERS. FAUCET: SINGLE HANDLE PULL DOWN FAUCET, CERAMIC CONTROL COMPONENTS, HANDLE LIMIT STOP, RED/BLUE HOT/COLD INDICATORS, 360° HEAD SWIVEL, BRONZE BODY AND ALL METAL CONSTRUCTION. DRAIN: STAINLESS STEEL DRAIN WITH STAINLESS STEEL CRUMP CUP STRAINER. BASIN: ACRYLIC OR WIREMESH, SUB-RESISTANT SURFACE, REINFORCED FLOOR, SIZED PER ARCHITECTURAL PLANS.	BOWL: POLISHED STAINLESS STEEL FAUCET: POLISHED CHROME	BOWL: ELKAY ELH1118PD OR EQUAL BY ELKAY, JUST, OR APPROVED OTHER. FAUCET: OLYMPIA K-5020 OR EQUAL BY DELTA, KOHLER, SLOAN, OR APPROVED OTHER. DRAIN: JUST J-35 OR APPROVED EQUAL.	-
SH1	SHOWER	1/2"	1/2"	2"	-	1.75 GPM VALVE: PRESSURE BALANCING MIXING VALVE WITH LEVER HANDLE. TUB: FULL LENGTH SUB-RESISTANT SURFACE, APPROX. 50" WIDE, REINFORCED FLOOR, SIZED PER ARCHITECTURAL PLANS. DRAIN: GRID TO DRAIN ASSEMBLY BY BASIN MANUFACTURER. TUB: FULL LENGTH SUB-RESISTANT SURFACE, APPROX. FRONT, SOLID ACRYLIC OR WIREMESH MATERIAL, GLOSS FINISH, SIZED PER ARCHITECTURAL DRAWINGS.	BASIN: WHITE POLISHED CHROME VALVE: MATCH VALVE COLOR DRAIN: MATCH VALVE COLOR	BASIN: STERLING, AMERICAN STANDARD, KOHLER, OR APPROVED OTHER. VALVE: OLYMPIA T-2372 OR EQUAL BY DELTA, KOHLER, MOEN, OR APPROVED OTHER.	(1)
T1	STANDARD BATH TUB WITH SHOWER	1/2"	1/2"	2"	-	1.75 GPM VALVE: PRESSURE BALANCING MIXING VALVE, INTEGRAL DIVERter, ADJUSTABLE TEMPERATURE CONTROL, LIMIT STOP, SHOWERHEAD WITH ARM AND FLANGE, TUB STOP. DRAIN: ADJUSTABLE, POP-UP DRAIN ASSEMBLY.	TUB: WHITE POLISHED CHROME VALVE: MATCH VALVE COLOR DRAIN: MATCH VALVE COLOR	TUB: STERLING, AMERICAN STANDARD, KOHLER, OR APPROVED OTHER. VALVE: OLYMPIA T-2380 SERIES OR EQUAL BY DELTA, KOHLER, MOEN, OR APPROVED OTHER. DRAIN: BY TUB MANUFACTURER.	(1)
WC1	FLOOR MOUNTED, TANK TYPE WATER CLOSET	1/2"	-	3"	-	1.28 GPF BOWL: VITREOUS CHINA, TWO PIECE, CLOSE COUPLED TANK, FULLY GLAZED TANK WITH SPINNING FLUSH, ELONGATED BOWL. PLASTIC, CLOSED FRONT WITH COVER, INTEGRALLY MOLDED BUMPERS, BOLT CAPS. SEAT: RECESSED, MOLDED PLASTIC, MOUNTING BRACKETS, FACEPLATE FRAME, 2" DRAIN OPENING, PRE-INSTALLED HOT AND COLD WATER VALVES WITH INTEGRAL WATER HAMMER ARRESTORS.	BOWL: WHITE SEAT: MATCH BOWL COLOR	BOWL: BRIGGS 4035 OR EQUAL BY AMERICAN STANDARD, BRIGGS, KOHLER, TOTO OR APPROVED OTHER. SEAT: BEIMS 1282SLW OR EQUAL BY BEIMS, BENEKE, CENTROCO, OR SEAT MADE BY WATER CLOSET MANUFACTURER.	(3)
WMB	WASHING MACHINE BOX	1/2"	1/2"	2"	-	-	BOX VALVES: WHITE POLISHED CHROME	DATEY 38102/38479 OR EQUAL BY GUY GRAY, DATEY, OR APPROVED EQUAL.	(1)

FIXTURE SCHEDULE GENERAL NOTES:

A. SPECIFICATIONS AND FIXTURE MODEL NUMBERS ARE A GENERAL GUIDE ONLY AND THE MODEL NUMBER MAY NOT REFLECT ALL FEATURES, ACCESSORIES, SIZE, OR MINIMUM OR MAXIMUM ALLOWABLE DIMENSIONS OF THE REQUIRED PRODUCT.

B. FEATURES OF THE FIXTURE MODEL TO BE PROVIDED BY THE CONTRACTOR SHALL BE VERIFIED WITH THE DESCRIPTIONS GIVEN IN THIS SCHEDULE AND WITH THE ARCHITECTURAL AND/OR INTERIOR DESIGN DRAWINGS.

C. CONTRACTOR SHALL NOTIFY ENGINEER IF ANY DISCREPANCIES OF FIXTURE REQUIREMENTS, DESCRIPTIONS, SIZES, DIMENSIONS, OR MODEL NUMBER EXIST BETWEEN THE ARCHITECTURAL, INTERIORS, AND PLUMBING DRAWINGS PRIOR TO SUBMITTING BID.

D. BY SUBMITTING A BID FOR THIS PROJECT, THE CONTRACTOR IS CERTIFYING THAT ALL FIXTURES INCLUDED IN THEIR BID PACKAGE HAVE BEEN VERIFIED TO COMPLY WITH THE GENERAL PERFORMANCE REQUIREMENTS OF THIS SCHEDULE AND THAT ALL INCLUDED FIXTURE DIMENSIONS HAVE BEEN COORDINATED WITH THE ARCHITECTURAL DRAWINGS.

E. CONTRACTOR SHALL COORDINATE THE LOCATION AND SIZE OF ALL COUNTER MOUNTED FIXTURES WITH ARCHITECTURAL DRAWINGS AND CABINET FABRICATOR.

F. LOW LEAD VERSIONS OF ALL FIXTURES SHALL BE USED WHEN OFFERED BY THE MANUFACTURER AS AN OPTION.

G. THE TERM "APPROVED OTHER" OR "APPROVED EQUAL," WHERE USED IN THIS SCHEDULE, SHALL MEAN AN ENGINEER APPROVED ALTERNATE MANUFACTURER AND MODEL.

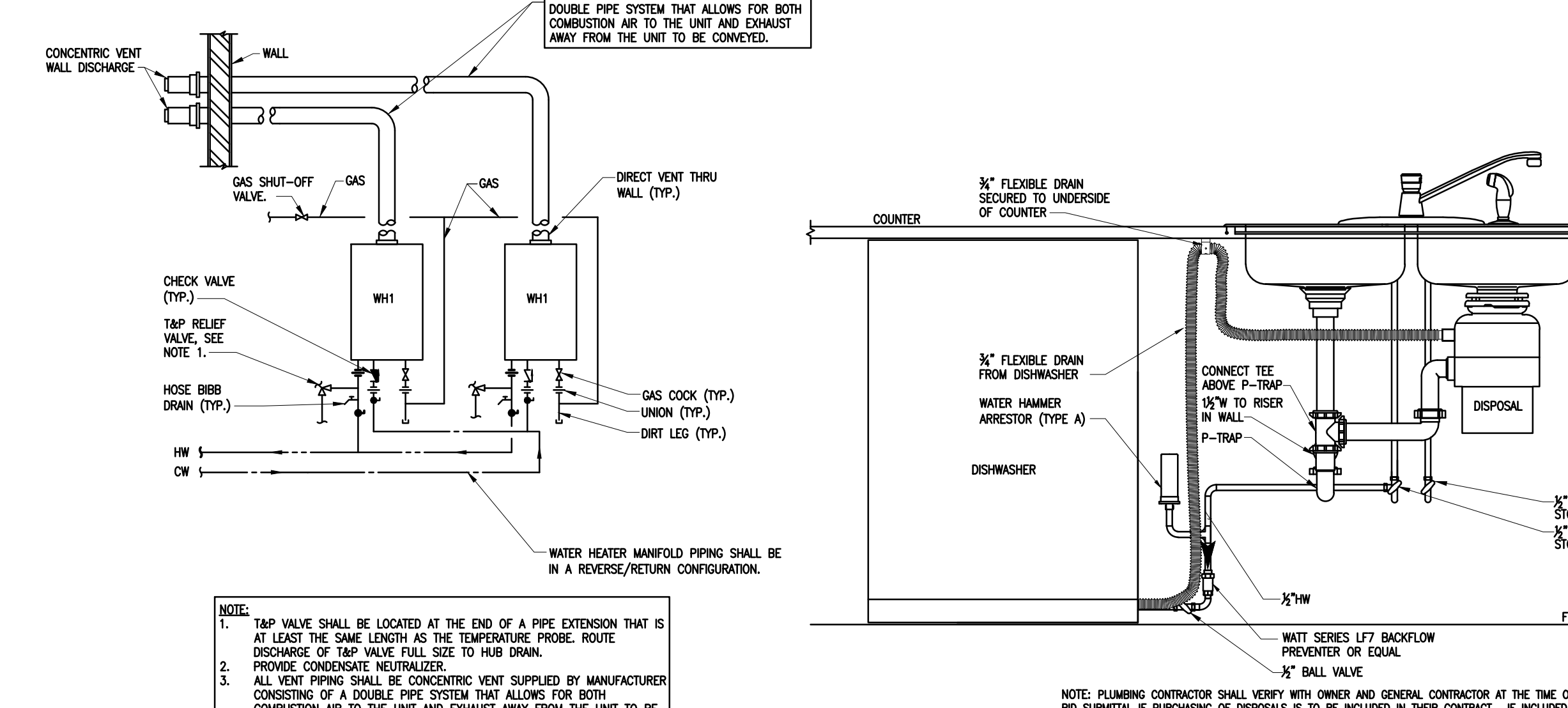
FIXTURE SCHEDULE KEY NOTES:

(1) SEE ARCHITECTURAL ELEVATIONS FOR COMPONENT MOUNTING HEIGHTS.

(2) PROVIDE POP-UP TYPE DRAIN ASSEMBLIES ON LAVATORIES IN ALL PRIVATE BATH ROOMS.

(3) WATER CLOSETS MUST BE CAPABLE OF AT LEAST REMOVING 800 GRAMS PER FLUSH BASED ON MAXIMUM PERFORMANCE (MAP) OF TOILET FIXTURES BY VERITEC CONSULTING, INC. AND KOELLER CO.

(4) PROVIDE BOLT TO THE FLOOR STYLE CAST IRON CARRIERS BY (GEMBA, J.A. SMITH, ZURLO OR EQUAL) THAT WATER FLOW/PRESSURE IS ADEQUATE FOR THE DESIGN WHEN TAKING INTO ACCOUNT THE EXISTING BFP AND FIRE RISER COMPONENTS AND IF NOT NOTIFY THE ARCHITECT/ENGINEER PRIOR TO INSTALLING/ORDERING SYSTEM COMPONENTS.



INSTANTANEOUS WATER HEATER SCHEDULE										
MARK	QUANTITY	LOCATION	ENERGY SOURCE	INPUT ENERGY	TEMPERATURE RISE	FLOW RATE	EFFICIENCY RATING	TEMPERATURE SET POINT	BASIS OF DESIGN	REMARKS
WH1	4	SEE PLANS	GAS	199 MBH	60°F	6.5 GPM	96%	120°F	HAVEN NPE-240 OR OWNER PRE-APPROVED EQUAL.	(1)(2)(3)(4)

PIPING TYPES & REQUIREMENTS				
SERVICE	LOCATION	MATERIAL	NOTES	
SANITARY, WASTE & VENT	ALL	PVC	(1)	
DOMESTIC WATER	ALL	CPVC	(2)	
GAS	ALL	SCH. 40 BLACK STEEL	-	

(1) AT TIME OF DESIGN APARTMENT MECHANICAL CLOSETS ARE AIR PLENUMS, PIPING WITHIN AIR PLENUMS SHALL BE CPVC OR CAST IRON.

(2) PEX IS AN ACCEPTABLE ALTERNATIVE.

PLUMBING LEGEND		
SYMBOL	MARK	DESCRIPTION
---	W	WASTE PIPE
---	V	VENT PIPE
---	CW	COLD WATER PIPE
---	(E)CW	EXISTING COLD WATER PIPE
---	HW	HOT WATER PIPE
---	(E)HW	EXISTING HOT WATER PIPE
---	G	GAS PIPE
⊖	FD	FLOOR DRAIN
⊗	CD	CLEAROUT
⊙	BY	BALL VALVE
*	WA	WATER HAMMER ARRESTOR
+	CKV	CHECK VALVE
⌣	STR	STRAINER
⊕	AAV	AIR ADMITTANCE VALVE
B/F		BELOW FLOOR
B/G		BELOW GROUND
VTR		VENT THRU ROOF

FLOW TEST DATA	
PROVIDER OF TEST	PROVIDER
DATE OF TEST	DATE
TIME OF DAY OF TEST	TIME
LOCATION OF FLOW HYDRANT	LOCATION
ELEVATION OF HYDRANT	ELEVATION
STATIC PRESSURE	STATIC
RESIDUAL PRESSURE	RESIDUAL
FLOW	FLOW

A FLOW TEST WAS NOT AVAILABLE AT TIME OF DESIGN.

FIRE PROTECTION SCOPE - ALTERED EXISTING SYSTEM	
---	--

THE CONTRACTOR SHALL MODIFY THE EXISTING SPRINKLER SYSTEM TO CONFORM TO THE SPRINKLER REQUIREMENTS OF NFPA 13 AND NFPA 13-D FOR THE NEW ARCHITECTURAL PLANS. PROVIDE SPRINKLER HEADS AND PIPING TO MEET THE CEILING TYPE AND HAZARD CLASSIFICATION (DESIGN CRITERIA). THE SYSTEM SHALL BE HYDRAULICALLY DESIGNED. SUBMIT SHOP DRAWINGS INCLUDING HYDRAULIC CALCULATIONS DETAILING THE SYSTEM DESIGN AND PERFORMANCE.

SPRINKLER CONTRACTOR SHALL DESIGN THE SPRINKLER SYSTEM TO WORK WITHIN THE PRESSURE AND FLOW PRESENT AT THE EXISTING SITE.

FOLLOW THE SPECS ON THIS SHEET FOR SYSTEM REQUIREMENTS.

NOTE:

1. THE FIRE CONTRACTOR SHALL VERIFY THAT THE EXISTING FIRE PROTECTION SYSTEM INCLUDES A FIRE RISER COMPLIANT WITH NFPA 13-D AND THAT A BFP HAS BEEN PROVIDED ON THE WATER LINE SERVING THE SYSTEM. CONTRACTOR SHALL CONFIRM THAT WATER FLOW/PRESSURE IS ADEQUATE FOR THE DESIGN WHEN TAKING INTO ACCOUNT THE EXISTING BFP AND FIRE RISER COMPONENTS AND IF NOT NOTIFY THE ARCHITECT/ENGINEER PRIOR TO INSTALLING/ORDERING SYSTEM COMPONENTS.

GENERAL NOTES

- COORDINATE ALL PIPING WITH DUCT WORK AND LIGHTING FIXTURES.
- ALL PIPING DROPS IN CHASES AND WALLS ARE TO BE SECURED TO WALLS.
- ALL VERTICAL WASTE, WATER, AND VENT RISERS THAT ARE EXPOSED IN AREAS INTERIOR TO THE BUILDING THAT ARE VISIBLE TO THE PUBLIC SHALL BE ENCASED IN ARCHITECTURAL FLUOR OUTS, NOTIFY GC IF FLUOR OUTS ARE NOT PROVIDED ON ARCHITECTURAL DRAWINGS.
- MAKE ALL FINAL CONNECTIONS TO ALL FIXTURES AND EQUIPMENT.
- CAP ALL OPEN PIPING ENDS DURING CONSTRUCTION TO PREVENT THE ENTRY OF DEBRIS INTO THE PLUMBING SYSTEMS.
- ALL WASTE PIPING 4" OR LARGER TO BE SLOPED AT 1/8" PER LINEAR FOOT. ALL WASTE PIPING SMALLER THAN 4" TO BE SLOPED AT 1/4" PER LINEAR FOOT.
- ALL PIPING IN EXTERIOR WALLS TO BE RUN ON "WARM" SIDE OF INSULATION.
- NO PIPING FOR ANY SERVICE SHALL BE INSTALLED ABOVE ELECTRICAL PANELS, LOADCENTERS, ELEVATOR EQUIPMENT, OR OTHER ELECTRICAL SYSTEM. CONTRACTOR SHALL NOTIFY ELECTRICAL CONTRACTOR AND ARCHITECT IF NO CODE COMPLIANT PIPE ROUTE EXISTS THAT DOES NOT CROSS AN ELECTRICAL SYSTEM PRIOR TO THE INSTALLATION OF THE PLUMBING PIPING IN THE AREA.
- THE GENERAL CONTRACTOR SHALL ORGANIZE A FACE TO FACE MEETING, PRIOR TO BEGINNING CONSTRUCTION, BETWEEN THE PLUMBING CONTRACTOR, FIRE PROTECTION CONTRACTOR, ELECTRICAL CONTRACTOR, HVAC CONTRACTOR, AND ANY OTHER CONTRACTORS THAT MAY HAVE INSTALLATION WORK TO PERFORM WHERE PLUMBING PIPING IS TO BE INSTALLED. TO COORDINATE THE INSTALLATION NEEDS OF THE PLUMBING SYSTEM WITH OTHER CONTRACTORS. THE MEETING SHALL BE ATTENDED BY THE GENERAL CONTRACTOR, PLUMBING CONTRACTOR, FIRE PROTECTION CONTRACTOR, ELECTRICAL CONTRACTOR, HVAC CONTRACTOR, AND ANY OTHER CONTRACTORS THAT MAY HAVE INSTALLATION WORK TO PERFORM WHERE PLUMBING PIPING IS TO BE INSTALLED. THIS MEETING SHALL ALSO SERVE TO MATCH THE VOLTAGE, PHASE, AMPS, MCA, AND MOCP OF THE EQUIPMENT WITH THE DESIGNED ELECTRICAL CHARACTERISTICS. RECORDS OF THIS MEETING, INCLUDING MEETING MINUTES AND A LIST OF ATTENDEES, SHALL BE MADE AVAILABLE TO THE OWNER AND THE DESIGN TEAM UPON REQUEST.
- ALL PIPING ABOVE TO BE HUNG AS HIGH AS POSSIBLE.
- UNLESS OTHERWISE INDICATED, ALL SANITARY AND WASTE PIPING SHOWN ON DRAWINGS IS BELOW FLOOR AND ALL WATER, GAS, AND VENT PIPING IS ABOVE CEILING.
- PROVIDE TRAP PRIMERS (AUTOMATIC OR WATER SAEV TYPE) ON ALL FLOOR DRAINS AND HUB DRAINS. SEE DETAIL SHEET FOR TRAP PRIMER DETAIL.
- COORDINATE COUNTER TOP FIXTURE LOCATIONS WITH ARCHITECTURAL DRAWINGS.
- WATER HAMMER ARRESTORS AT ALL QUICK CLOSING VALVE CONNECTIONS SUCH AS FOR WASHING MACHINES, ICE MAKERS, DISHWASHERS, FLUSH VALVES AND DRINKING FOUNTAINS.
- DISMISHERS, FLUSH VALVES AND DRINKING FOUNTAINS.
- PROVIDE A GAS RATED BALL VALVE, DIRT LEG AND UNION AT EACH GAS APPLIANCE CONNECTION.
- ALL COPPER PIPING SHALL BE ISOLATED FROM DISSIMILAR METALS.
- HEAT TRAPS OR HEAT TRAP NIPPLES ARE REQUIRED ON ALL WATER HEATERS.
- ALL VENT OPENINGS SHALL BE A MINIMUM OF 10 FEET FROM ANY AIR INTAKE, DOOR, OR OPERABLE WINDOW.
- ALL VALVES ON ALL PLANS AND DETAILS ARE NORMALLY OPEN UNLESS NOTED OTHERWISE ON DRAWINGS, SPECIFICATIONS, OR MANUFACTURER'S INSTALLATION INSTRUCTIONS.

DEMOLITION NOTES

- CONTRACTOR SHALL VISIT SITE BEFORE BID TO BECOME FAMILIAR WITH AND VERIFY EXISTING CONDITIONS. LOCATION OF EXISTING EQUIPMENT AND PIPE ROUTING MAY DEVIATE FROM WHAT IS SHOWN ON THE DRAWINGS.
- WHERE EQUIPMENT, PIPES, CONTROL DEVICES, CONDUITS, CABLES, AND WIRING ARE DISCONNECTED FOR THE REMOVAL OR RELOCATION OF EQUIPMENT, OR BECAUSE OF ALTERATIONS, THEY SHALL BE RECONNECTED, TESTED AND MADE OPERATIONAL.
- UNLESS OTHERWISE NOTED, ALL MATERIALS AND EQUIPMENT SHOWN OR SPECIFIED TO BE REMOVED SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PROJECT SITE.
- CONTRACTOR SHALL DO ANY AND ALL CUTTING AND PATCHING REQUIRED FOR THIS SCOPE OF WORK, RESTORING ALL SURFACES TO THEIR ORIGINAL CONDITION TO MATCH SURROUNDING FINISHES.
- THE CONTRACTOR SHALL REMOVE ALL SUPPORTING FACILITIES NO LONGER NEEDED OR MADE OBSOLETE BY THE NEW EQUIPMENT AND MATERIALS FURNISHED UNDER THIS CONTRACT. SUCH REMOVAL INCLUDES, BUT IS NOT LIMITED TO, EXPOSED WIRING, EXPOSED CONDUIT RUNS WITH WIRING AND SUPPORT BRACKETS AND ATTACHMENTS, ANTI-CORROSION PIPING SUPPORT BRACKETS AND ATTACHMENTS, FRAMES AND BASES, EXISTING SWITCHES AND CONTROLS. REMOVAL OF PIPING SHALL INCLUDE ASSOCIATED VALVES, WELDED SUPPORTS SHALL BE REMOVED FLUSH WITH SURFACE. SURFACE SHALL BE GROUND SMOOTH, CLEANED, PRIMERED, AND PAINTED TO MATCH SURROUNDING FINISH.
- PIPE AND EQUIPMENT SIZES SHOWN ARE BASED ON THE ENGINEER'S BEST ESTIMATE. SIZES, LOCATIONS, AND ROUTING MAY DEVIATE FROM WHAT IS SHOWN. FIELD VERIFY.

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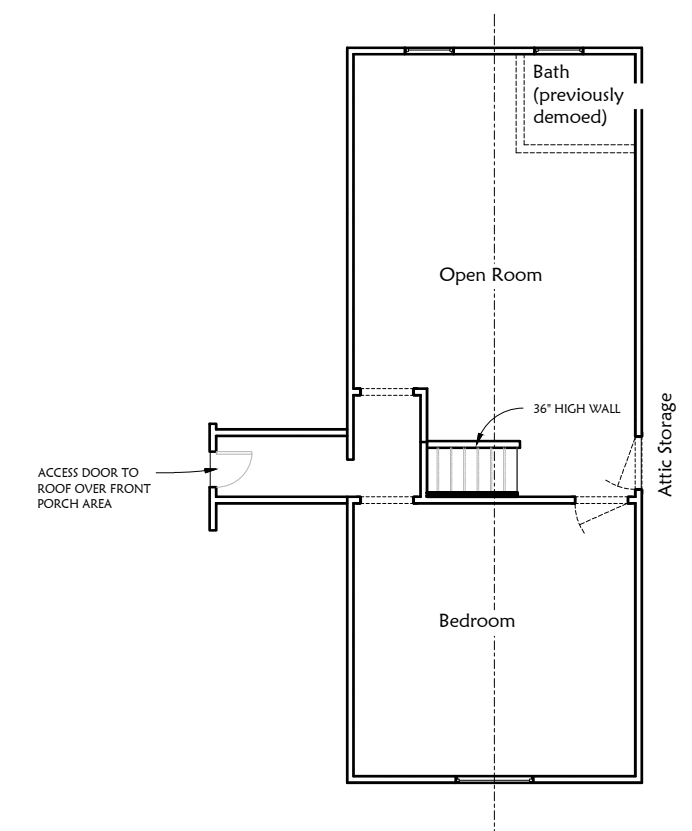
GEORGIA REGISTERED ENGINEER
No. 40179
PROFESSIONAL
[Signature]
10-13-23

PROJECT
Renovation of Existing Group Home
4487 Trickum Road
Marietta, Georgia 30066

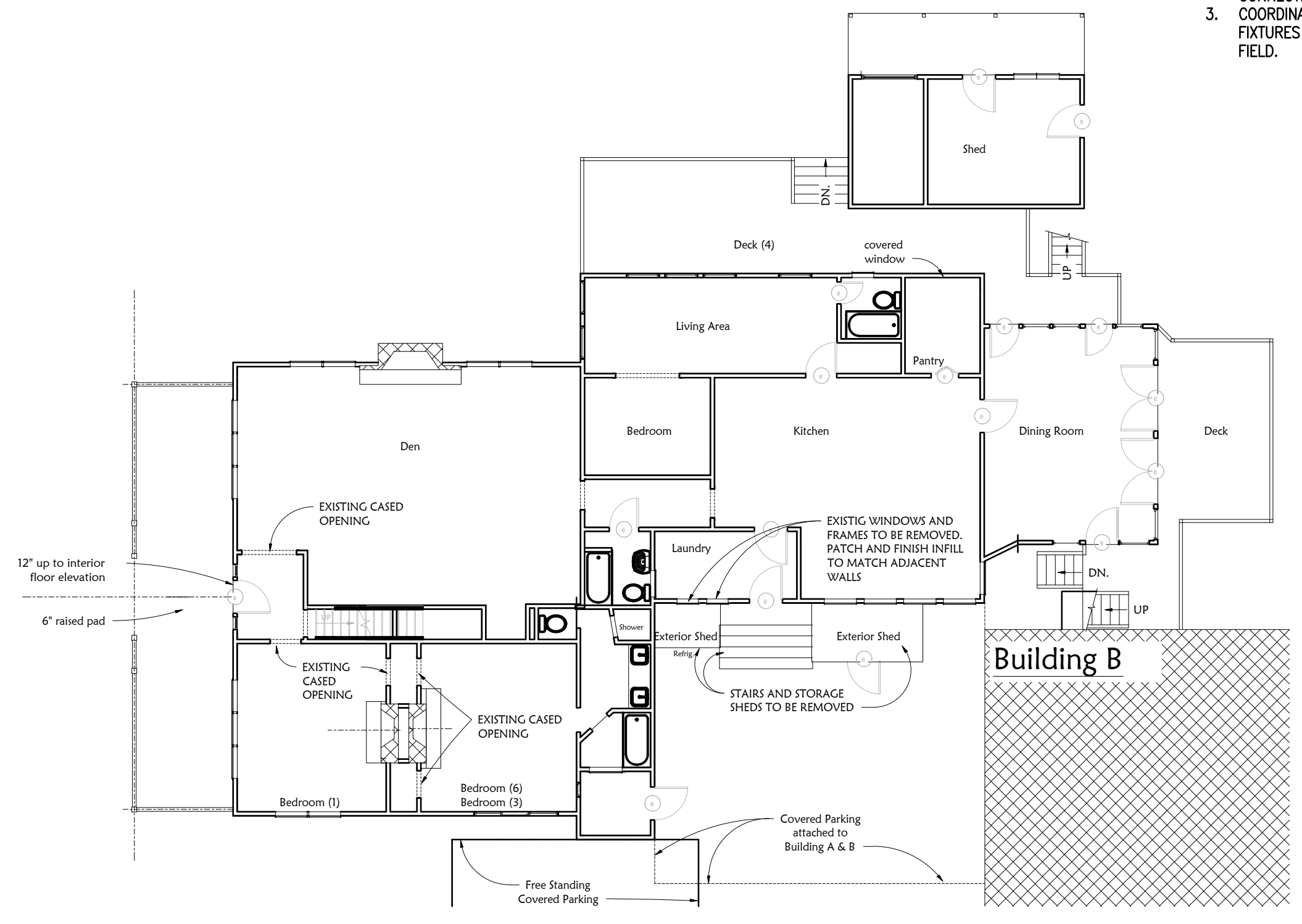
FOR
AARON ROSENHAFT, LIAMARA RIVERS ESTATES, LLC

REVISIONS	

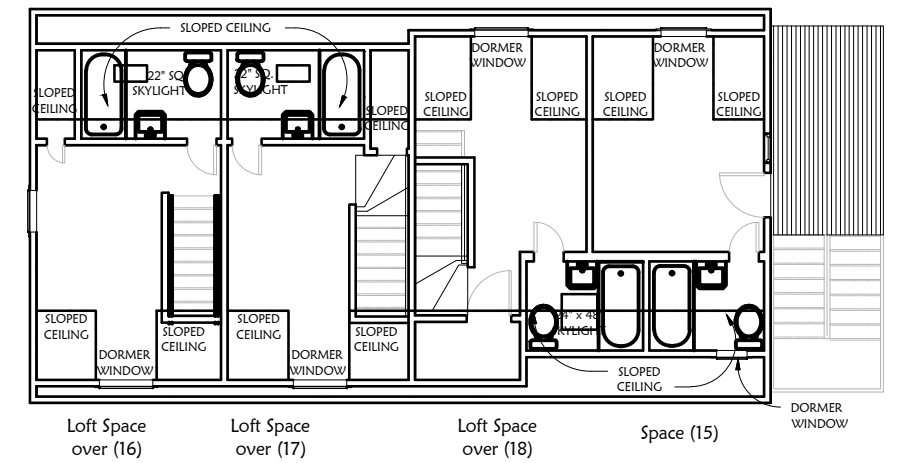
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DRAWING TITLE	Plumbing Schedules & Details
DRAWING NUMBER	P001



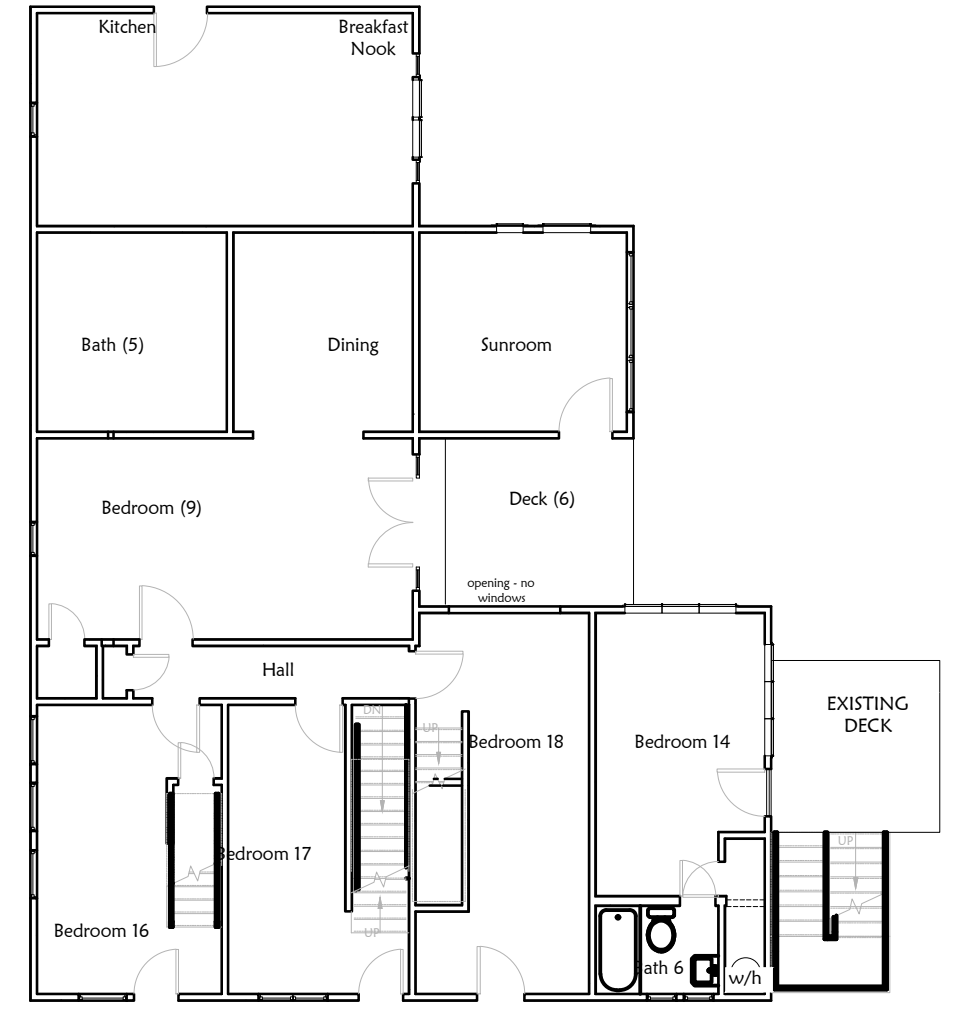
5 Building A - Existing Floor Plan - Second Floor
Scale: 1/8"= 1'-0" Plan



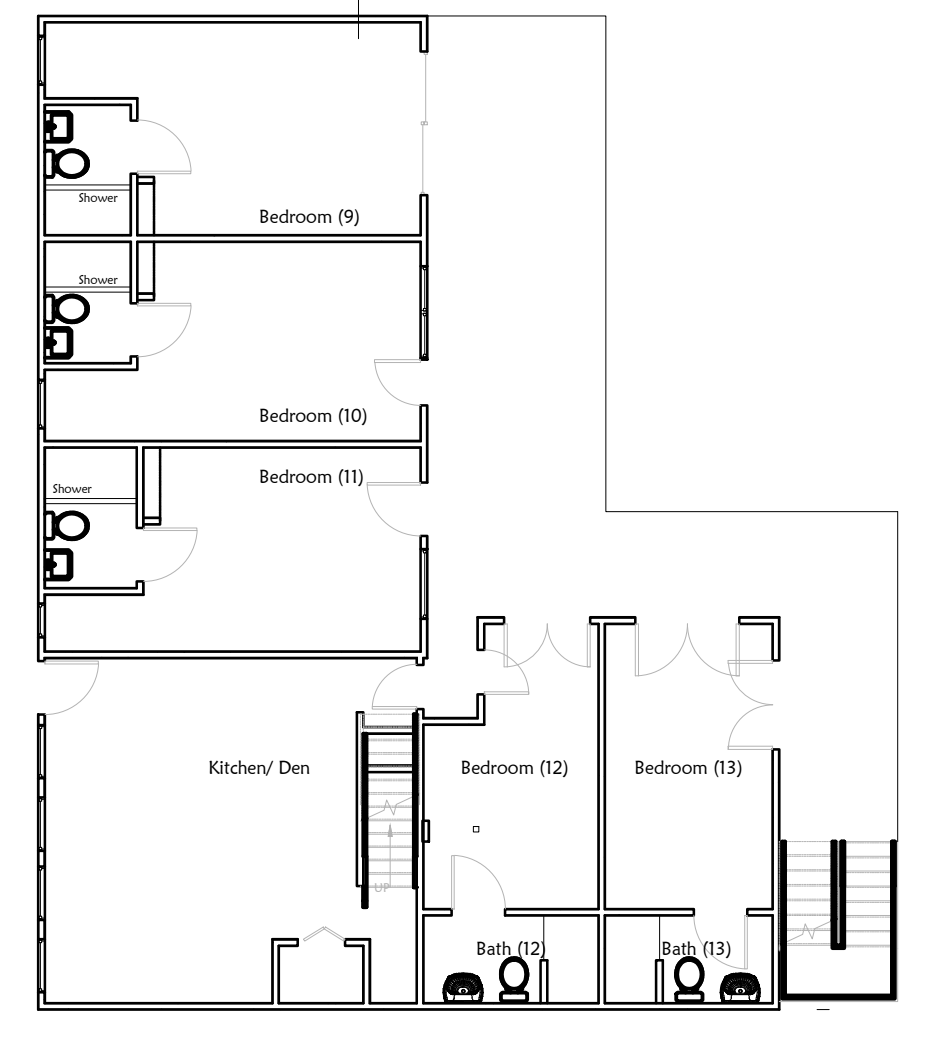
4 Building A - Existing Floor Plan - First Floor
Scale: 1/8"= 1'-0" Plan



3 Building B - Existing Floor Plan - Third Floor
Scale: 1/8"= 1'-0" Plan



2 Building B - Existing Floor Plan - Second Floor
Scale: 1/8"= 1'-0" Plan

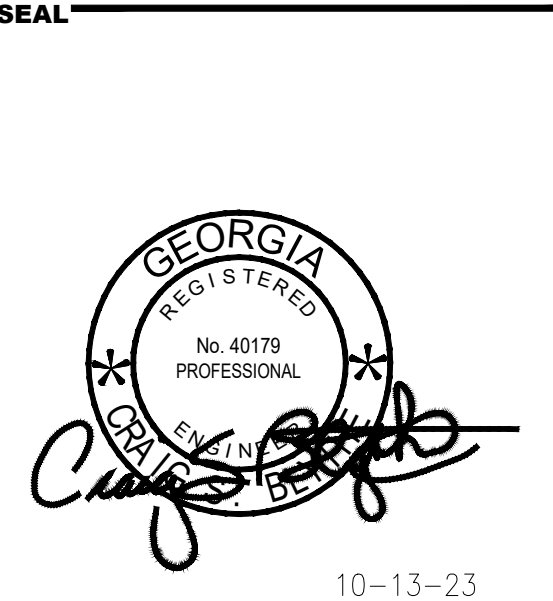


1 Building B - Existing Floor Plan - First Floor
Scale: 1/8"= 1'-0" Plan

- NOTES:
1. PLUMBING IN AREAS THAT ARE NOT IN SCOPE SHALL REMAIN.
 2. DEMO EXISTING PLUMBING ONLY IN AREAS WHERE FIXTURES ARE NO LONGER LOCATED ON RENOVATED PLANS. REUSE CONNECTIONS AS AVAILABLE.
 3. COORDINATE THE CONNECTIONS OF NEW FIXTURES TO EXISTING PIPING IN THE FIELD.

PG
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10-13-23
PROJECT
Renovation of Existing Group Home
4487 Trickum Road
Marietta, Georgia 30066

FOR
**AARON ROSENHAFT,
LIAMARA RIVERS ESTATES,
LLC**

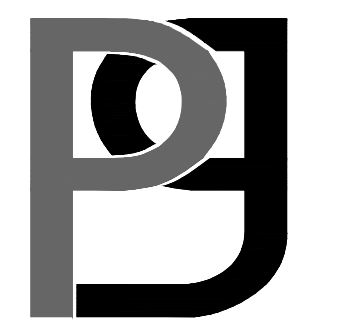
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DATE **10.06.23**
JOB NUMBER **NC2230489**
DRAWN BY **BGE**
CHECKED BY **CDF**
DRAWING TITLE
**Existing Plans -
Building A & B**

DRAWING NUMBER
P101

NOTES:
 1. SEE POXX SERIES FOR GENERAL NOTES, SCHEDULES & DETAILS

KEY NOTES:
 ① 1/2" H&CW TO CONNECT TO EXISTING WATER SYSTEM. COORDINATE EXACT LOCATION OF TIE-IN IN FIELD.



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SEAL



10-13-23

PROJECT

Renovation of Existing Group Home
 4487 Trickum Road
 Marietta, Georgia 30066

FOR

**AARON ROSENHAFT,
 LIAMARA RIVERS ESTATES,
 LLC**

REVISIONS

DATE **10.06.23**

JOB NUMBER **NC2230489**

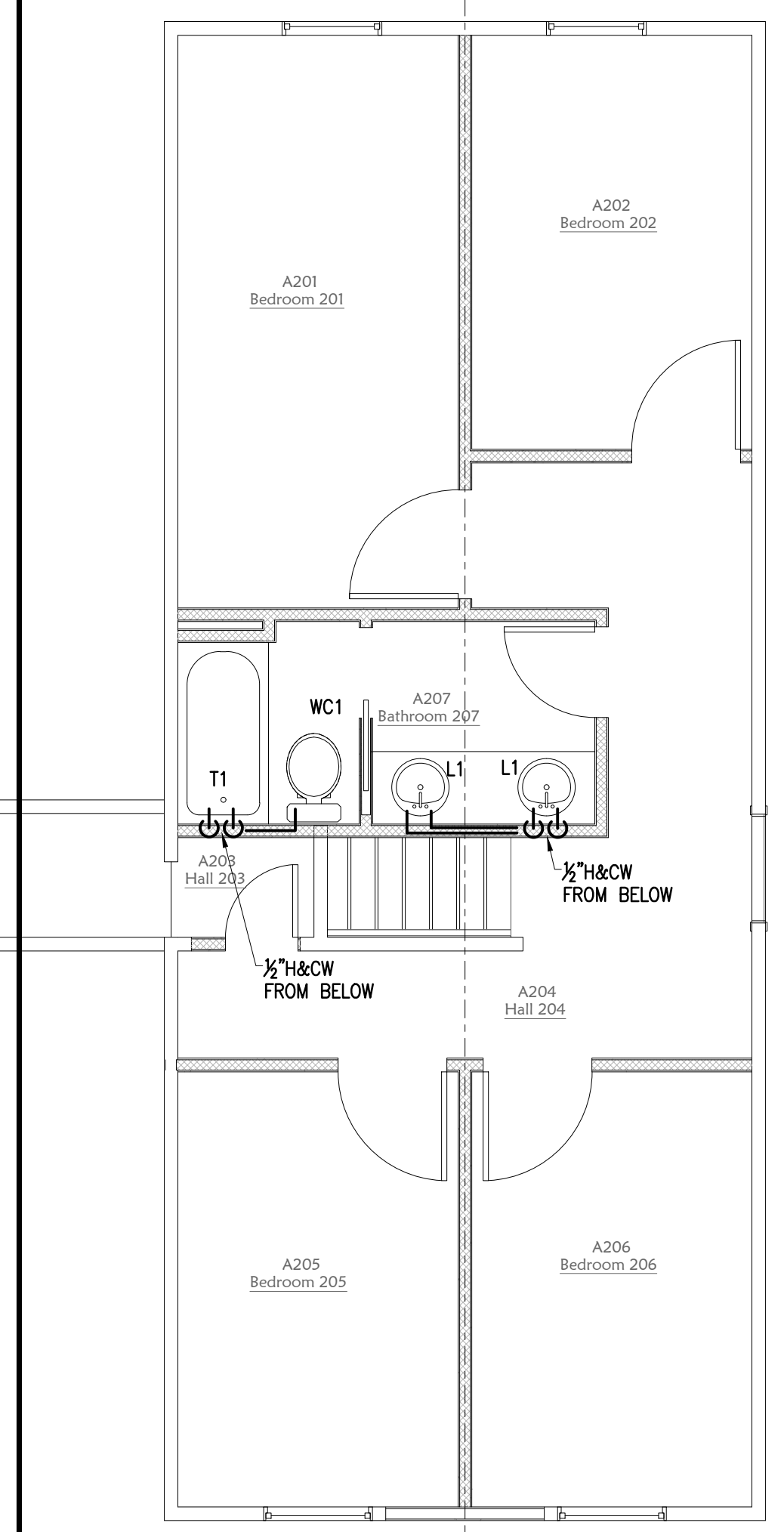
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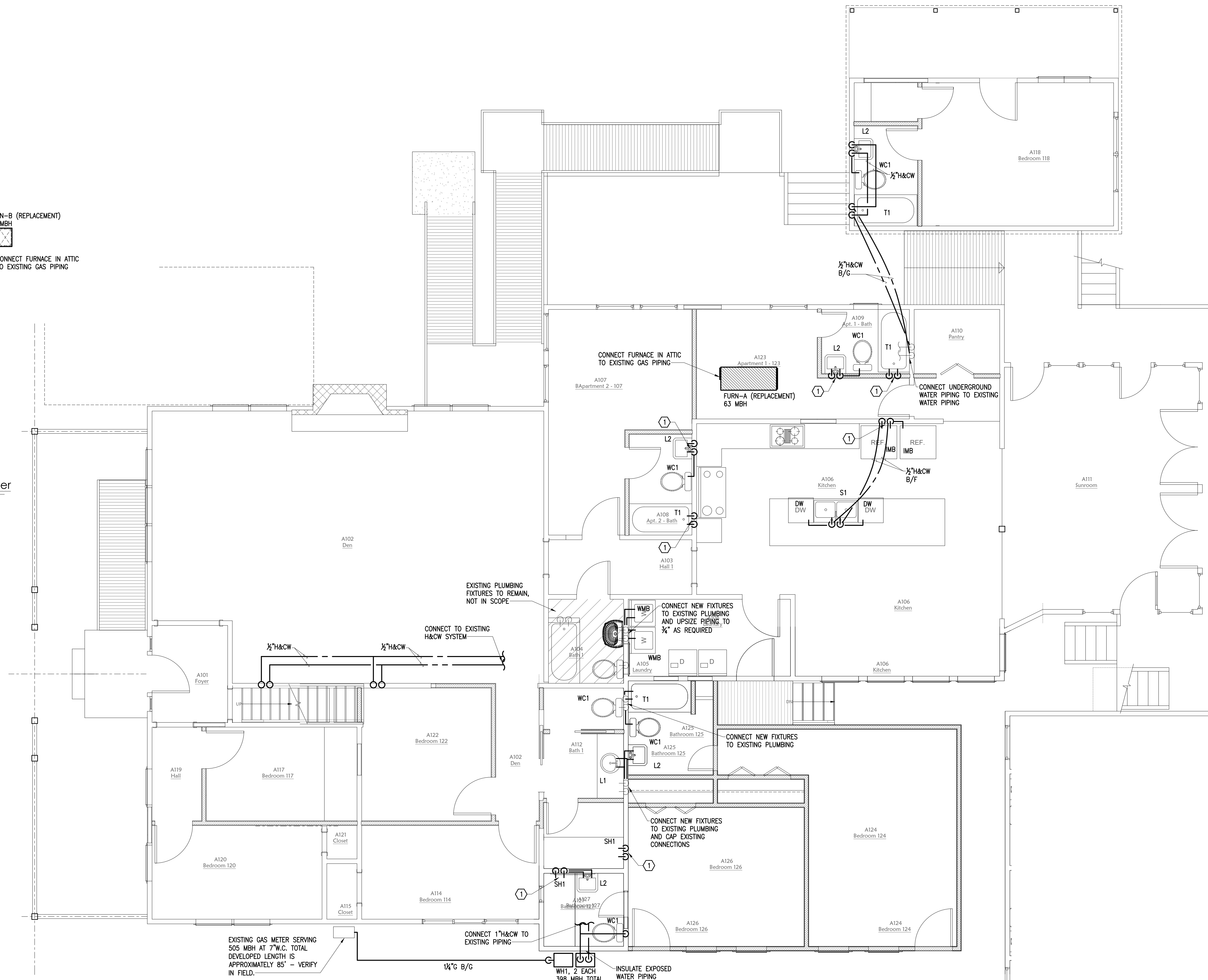
DRAWING TITLE **Renovation Plans - Building A**

DRAWING NUMBER

P102



2 Building A - Renovation Plan - Second Floor - Water
 Scale: 1/4" = 1'-0" Plan



1 Building A - Renovation Floor Plan - First Floor - Water
 Scale: 1/4" = 1'-0" Plan

FURN-B (REPLACEMENT)
 44 MBH
 CONNECT FURNACE IN ATTIC TO EXISTING GAS PIPING

CONNECT FURNACE IN ATTIC TO EXISTING GAS PIPING
 FURN-A (REPLACEMENT)
 63 MBH

EXISTING GAS METER SERVING 505 MBH AT 7" W.C. TOTAL DEVELOPED LENGTH IS APPROXIMATELY 85' - VERIFY IN FIELD.

WH1, 2 EACH 398 MBH TOTAL
 INSULATE EXPOSED WATER PIPING

EXISTING PLUMBING FIXTURES TO REMAIN, NOT IN SCOPE

CONNECT NEW FIXTURES TO EXISTING PLUMBING AND UPSIZE PIPING TO 1/4" AS REQUIRED

CONNECT NEW FIXTURES TO EXISTING PLUMBING

CONNECT NEW FIXTURES TO EXISTING PLUMBING AND CAP EXISTING CONNECTIONS

CONNECT UNDERGROUND WATER PIPING TO EXISTING WATER PIPING

CONNECT TO EXISTING H&CW SYSTEM

CONNECT 1" H&CW TO EXISTING PIPING

- NOTES:
 1. SEE POXX SERIES FOR GENERAL NOTES, SCHEDULES & DETAILS
- KEY NOTES:
 ① 2"WASTE TO CONNECT TO EXISTING WASTE SYSTEM. COORDINATE EXACT LOCATION OF TIE-IN IN FIELD.
 ② 3"WASTE TO CONNECT TO EXISTING WASTE SYSTEM. COORDINATE EXACT LOCATION OF TIE-IN IN FIELD.
 ③ 2"VENT TO CONNECT TO EXISTING VENT SYSTEM. COORDINATE EXACT LOCATION OF TIE-IN IN FIELD.

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10-13-23

PROJECT
Renovation of Existing Group Home
 4487 Trickum Road
 Marietta, Georgia 30066

FOR
AARON ROSENHAFT,
LIAMARA RIVERS ESTATES,
LLC

REVISIONS

DATE **10.06.23**

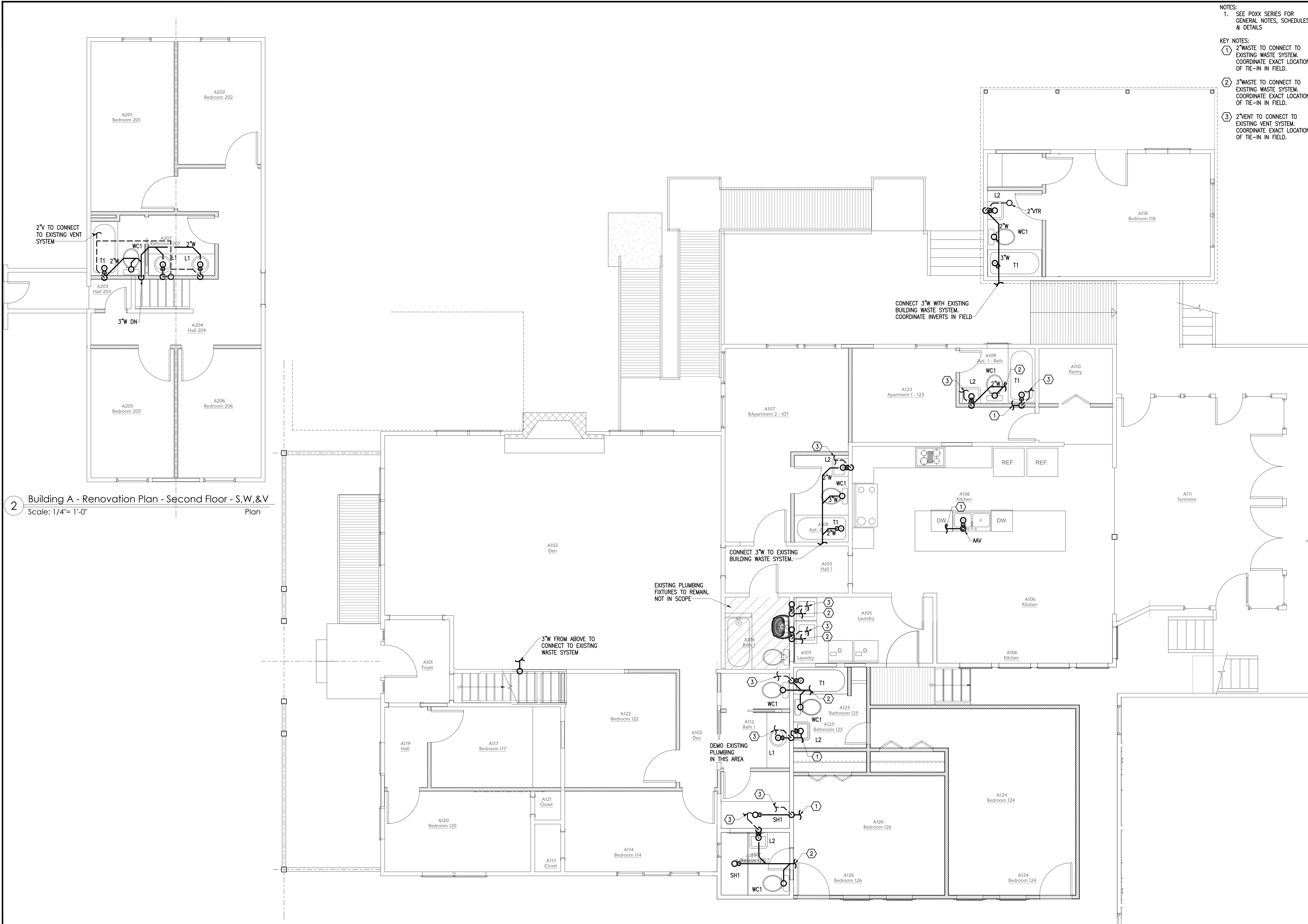
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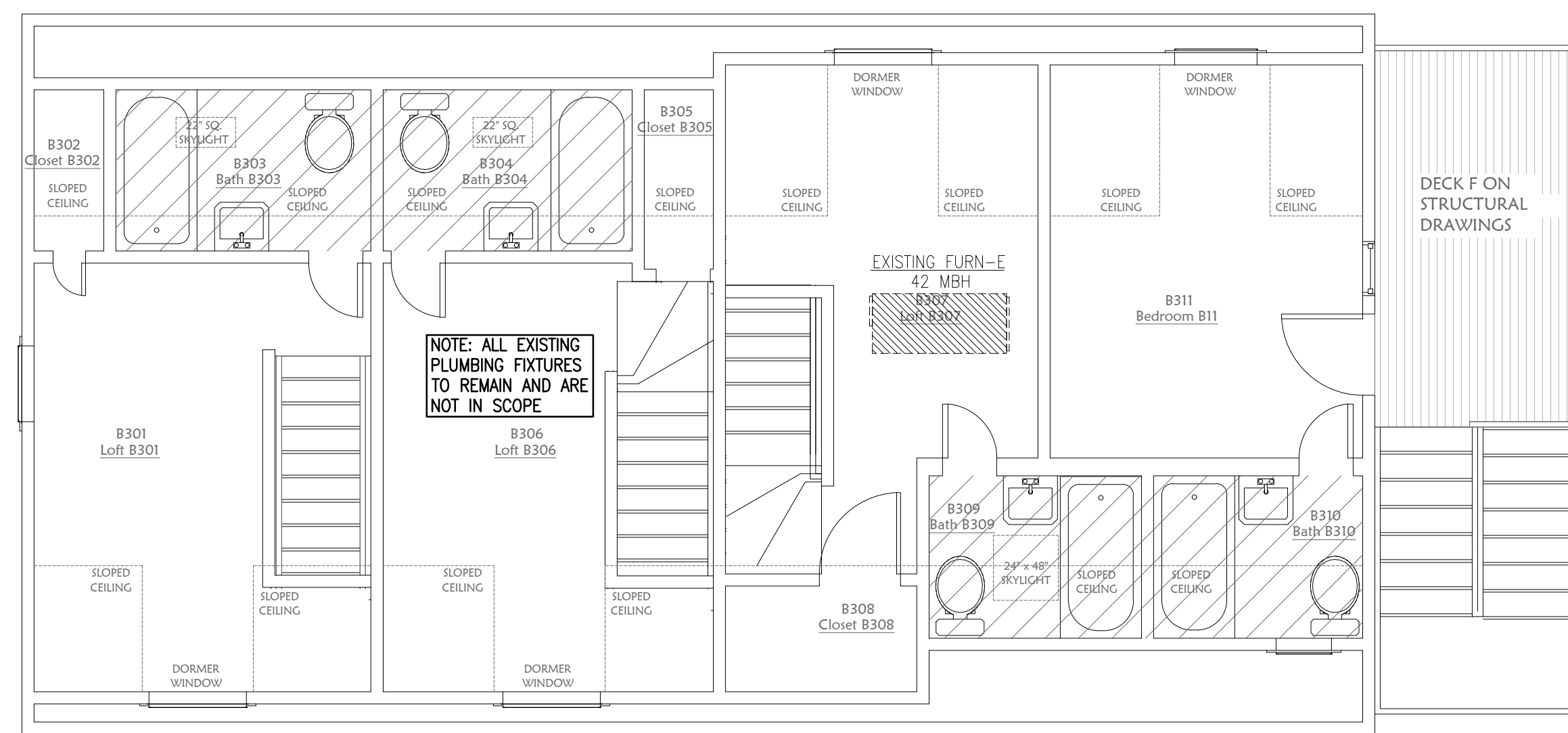
DRAWING TITLE
Renovation Plans - Building A

DRAWING NUMBER
P103

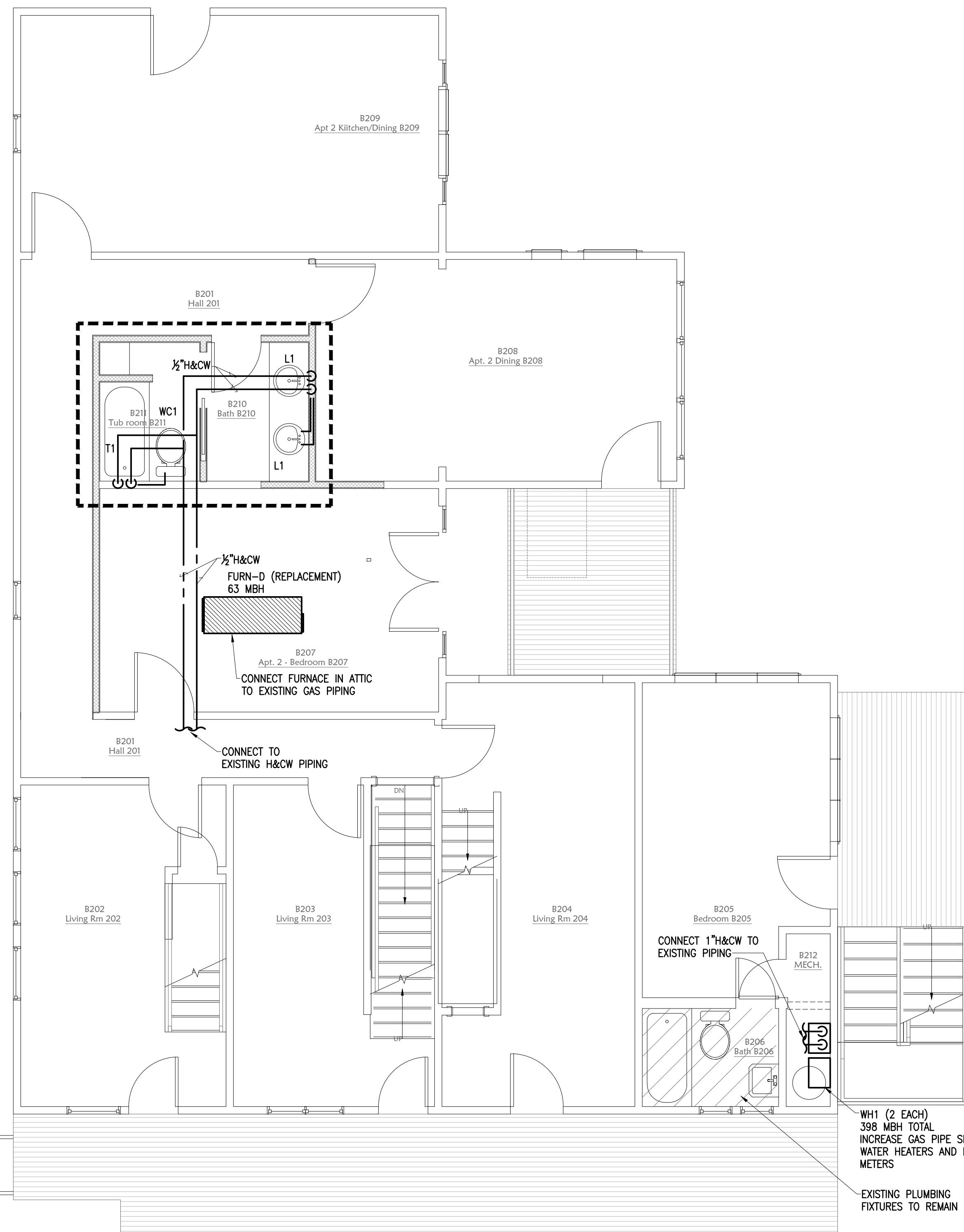


② Building A - Renovation Plan - Second Floor - S,W,&V
 Scale: 1/4"= 1'-0" Plan

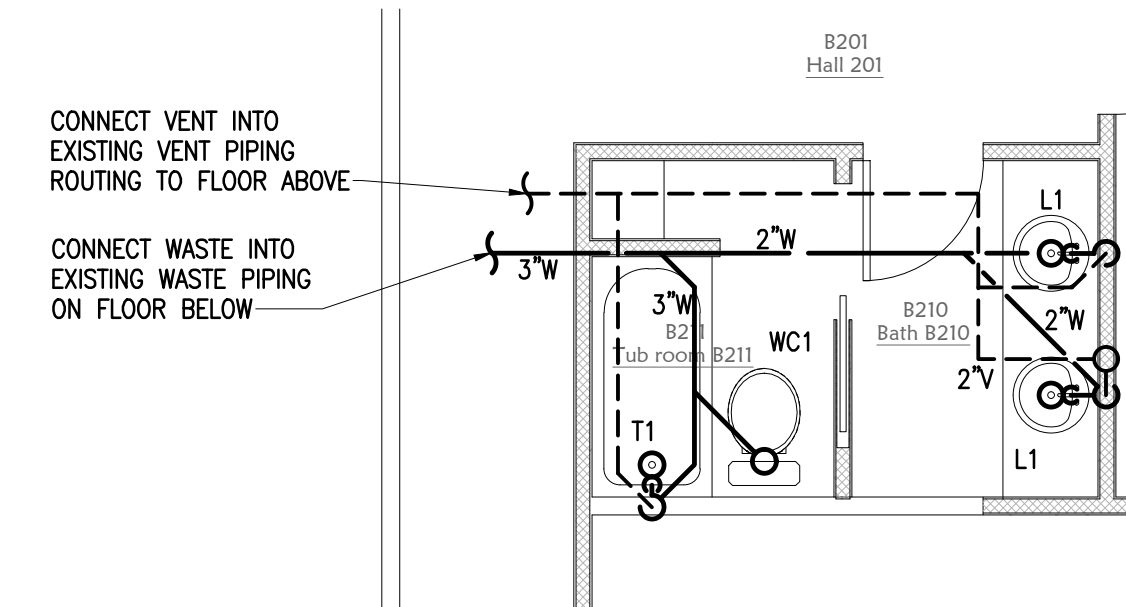
① Building A - Renovation Floor Plan - First Floor - S,W,&V
 Scale: 1/4"= 1'-0" Plan



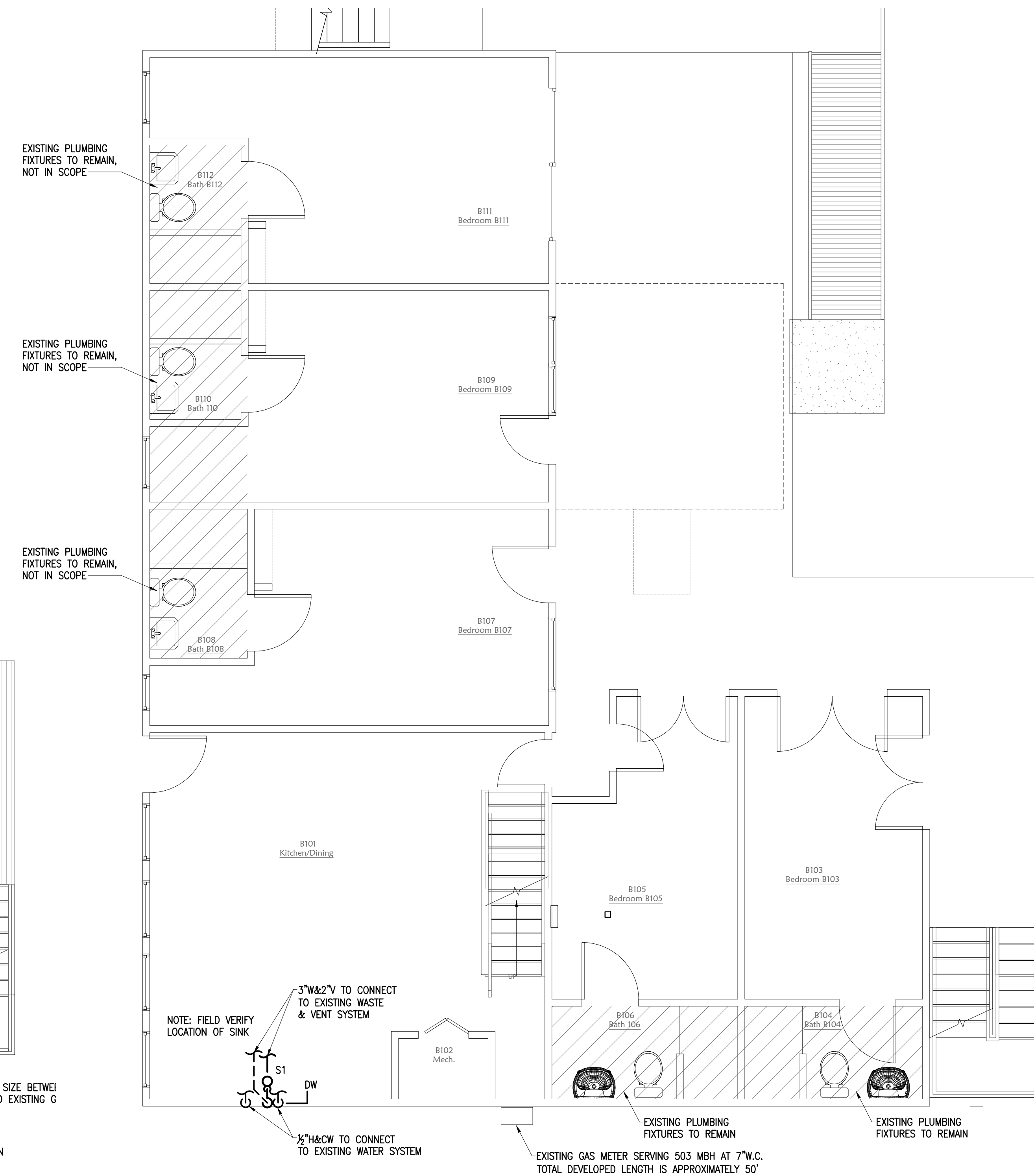
3 Building B - Renovation Floor Plan - Third Floor
Scale: 1/4" = 1'-0" Plan



2 Building B - Renovation Floor Plan - Second Floor
Scale: 1/4" = 1'-0" Plan



4 Building B - Second Floor Bathroom - S, W, & V
Scale: 1/4" = 1'-0" Plan



1 Building B - Renovation Floor Plan - First Floor
Scale: 1/4" = 1'-0" Plan

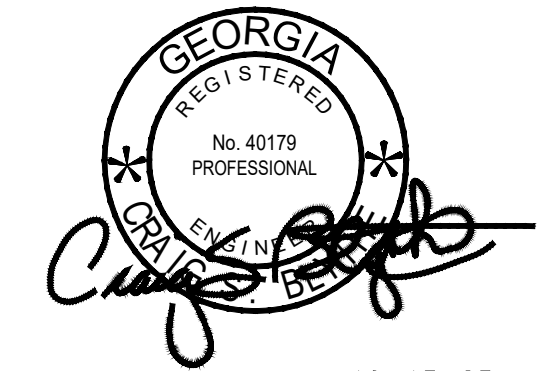
NOTES:
1. SEE POXX SERIES FOR GENERAL NOTES, SCHEDULES & DETAILS



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SEAL



10-13-23

PROJECT

Renovation of Existing Group Home
4487 Trickum Road
Marietta, Georgia 30066

FOR

AARON ROSENHAFT,
LIAMARA RIVERS ESTATES, LLC

REVISIONS

DATE 10.06.23

JOB NUMBER NC2230489

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DRAWING TITLE

Renovation Plans - Building B

DRAWING NUMBER

P104