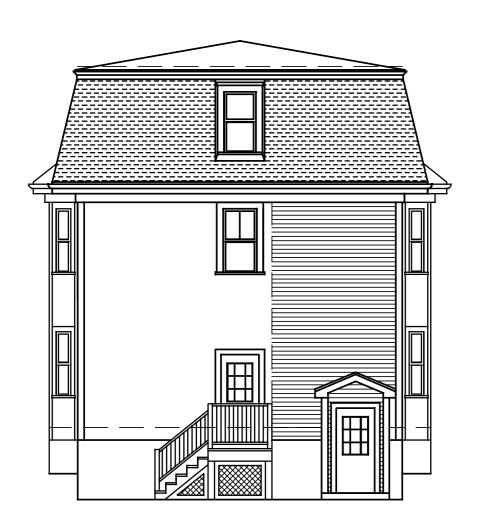


3 Unit Renovation & Addition 54 Oak Street - Boston, Massachusetts









ADDITIONAL INFORMATION:

- 1. USE GROUP CLASSIFICATION: R-2
- CONSTRUCTION TYPE CLASSIFICATION TYPE 5B
 SQUARE FOOTAGE AREA OF BUILDING PER FLOOR GROSS TOTAL AREA: 7,305 SF
 BASEMENT GROSS FLOOR AREA: 1,839 SF
 FIRST GROSS FLOOR AREA: 1,839 SF
 SECOND FLOOR GROSS AREA: 1,839 SF
 THIRD FLOOR GROSS AREA: 1,788 SF
- THIRD FLOOR GROSS AREA: 1,788 S

 4. AMOUNT OF ENCLOSED SPACE
 GROSS TOTAL VOLUME: 69,384 CU. FT.
 BASEMENT: 17,764 CU. FT.
 FIRST FLOOR: 17,764 CU. FT.
 SECOND FLOOR: 17,764 CU. FT..
 THIRD FLOOR: 16,092. FT.
- 5. HEIGHT OF BUILDING ABOVE GRADE: 3 STORIES & 32.33 FT.
- 6. DESIGNED OCCUPANT LOAD
 RESIDENTIAL 200 SF PER OCCUPANT REQUIRED
 7,227 SF / 200 SF PER OCC. = 36.135
- 7. SPECIAL SYSTEMS:
 TYPE OF FIRE SUPPRESSION:
 NFPA 13R SPRINKLER SYSTEM:
 DRY SYSTEM IN EAVES;
 WET SYSTEM IN ALL OTHER SPACES
- 8. MECHANICAL INFORMATION:
 TYPE OF HVAC SYSTEM & EQUIPMENT:

- INDIVIDUAL FORCED AIR WITH CONDENSERS ON GROUND: INDIVIDUAL UNIT — ON DEMAND DOMESTIC HOT WATER 9. ENERGY CODE COMPLIANCE:
- STRETCH CODE REQUIREMENTS APPLY
 METHOD: RESCHECK 4.6.4
 CLIMATE ZONE 5, 6333 HDD
 - 17% GLAZING
 U-VALUES (SEE RESCHECK FOR AREAS & R-VALUES
 PROVIDE BLOWER TEST ON SITE
- 10. DATA PLATE INFORMATION:
 THE FOLLOWING WILL BE INSTALLED IN A KITCHEN OR BATHROOM
 CABINET OR CLOSET:
 - 1 DATA PLATE PER BOX 1 STALE LABEL PER BOX 1 PFS LABEL PER BOX
- 11. ACCESSIBILITY
 ALL NEW UNITS SHALL COMPLY WITH GROUP 1
 ACCESSIBILITY AND SHALL COMPLY WITH CMR 521 RULES
 AND REGULATIONS OF THE ARCHITECTURAL BARRIER BOARD.
 SEE PLANS FOR REQUIRED 30x48 SPACE AT BATHROOM
 FIXTURES AND 40x48 SPACE AT KITCHENS. ALL
 APPLIANCES & FIXTURES SHALL BE ABLE TO BE ADJUSTED
 TO COMFORM TO GROUP1 REQUIREMENTS.
- 12. APPLICABLE CODES:
 THE INTERNATIONAL BUILDING CODE (IBC) 2015
 THE MASSACHUSETTS STATE BUILDING CODE (780 CMR),
 9TH EDITION THE MASSACHUSETTS ARCHITECTURAL ACCESS
 BOARD (521 CMR)

INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2015
WITH MASSACHUSETTS AMENDMENTS
NATIONAL ELECTRIC CODE (NEC) 2017 WITH
MASSACHUSETTS AMENDMENTS
INTERNATIONAL MECHANICAL CODE (IMC), 2015
248 CMR 10.00 UNIFORM STATE PLUMBING CODE
(MASSACHUSETTS)
248 CMR 4.00 MASSACHUSETTS FUEL GAS CODE

TABLE OF 5B CONSTRUCTION FIRE RESISTANCE

1.	STRUCTURAL FRAMING; COLUMNS, GIRDERS, TRUSSES	OHR
2.	BEARING WALLS EXTERIOR	OHR
	< 10' FROM ADJACENT STRUCTURE 1HR EACH DIRECT	CTION
3.	BEARING WALLS, INTERIOR	OHR
4.	NONBEARING WALLS & PARTITIONS, EXTERIOR	
	<10' FROM ADJACENT STRUCTURES	1HR
	10'-30' FROM ADJACENT STRUCTURES	OHR
	30' OR GREATER FROM ADJACENT STRUCTURES	OHR
	NONBEARING WALLS INTERIOR	OHR
	FLOOR CONSTRUCTION INCLUDING SUPPORTS BEAMS & JOISTS	OHR
5.	ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS & JOISTS	OHR
6.	HORIZONTAL SEPARATION BETWEEN DWELLING UNIT	.5HR
7.	VERTICAL SEPARATION BETWEEN DWELLING UNITS	.5HR
8.	STAIR ENCLOSURE CONNECTING 4 OR MORE STORIES	2HR
9.	STAIR ENCLOSURE CONNECTING LESS THAN 4 STORIES	1HR
10	CORRIDOR FIRE RESISTANCE RATING	.5HR
11,	MAXIMUM EXIT ACCESS TRAVEL DISTANCE	250'

List of Drawings:

Title Sheet

- EX1 Existing Floor Plans
- A1 Basement, First Floor Plan & Wall Types
- A2 Second, Third Floor Plan & Details
- A3 Building Sections & Details
- A4 Exterior Elevations
- A5 First, Second Floor Framing Plan & Details
- A6 Third Floor & Roof Framing Plan
- A7 Basement & First Floor Power Plan
- A8 Second & Third Floor Power Plan

New Gross Foor Area

Basement	1,839 s.f. – gross floor area (excluded
1st Floor	1,839 s.f. — gross floor area
2nd Floor	1,839 s.f. — gross floor area
Third Floor	1,788 s.f. – gross floor area

Gross Floor Area 5,466 s.f.
Lot Area 16,518 s.f.
Floor Area Ratio .33 FAR

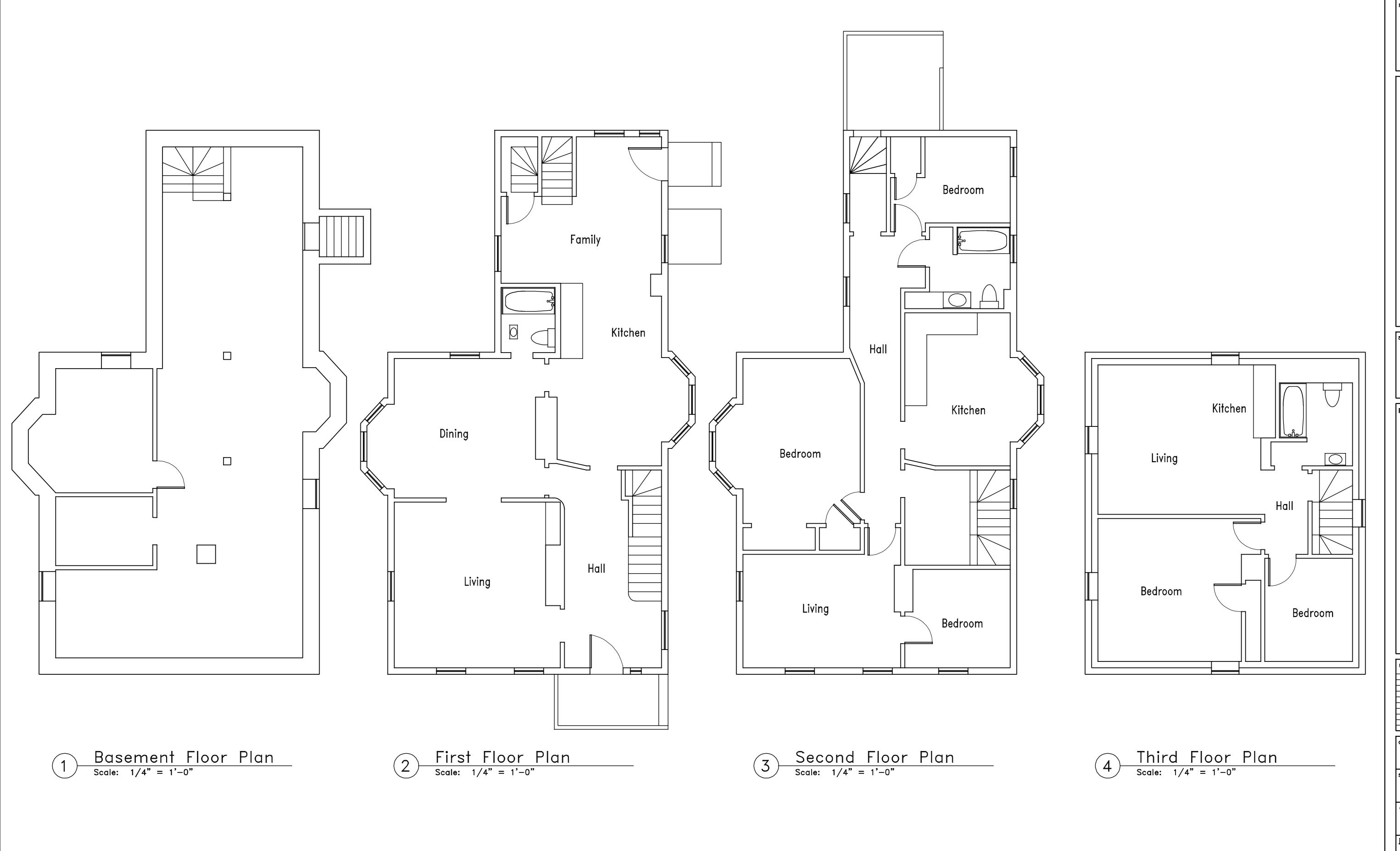
Architect:

AESTHETIC IMAGES

Architects / Planners

7 Stimson Street Phone: (617) 323-6081 Boston, MA 02132 Fax: (617) 323-6081

Permit Document 12/26/2024



Three 45 Oak Boston,

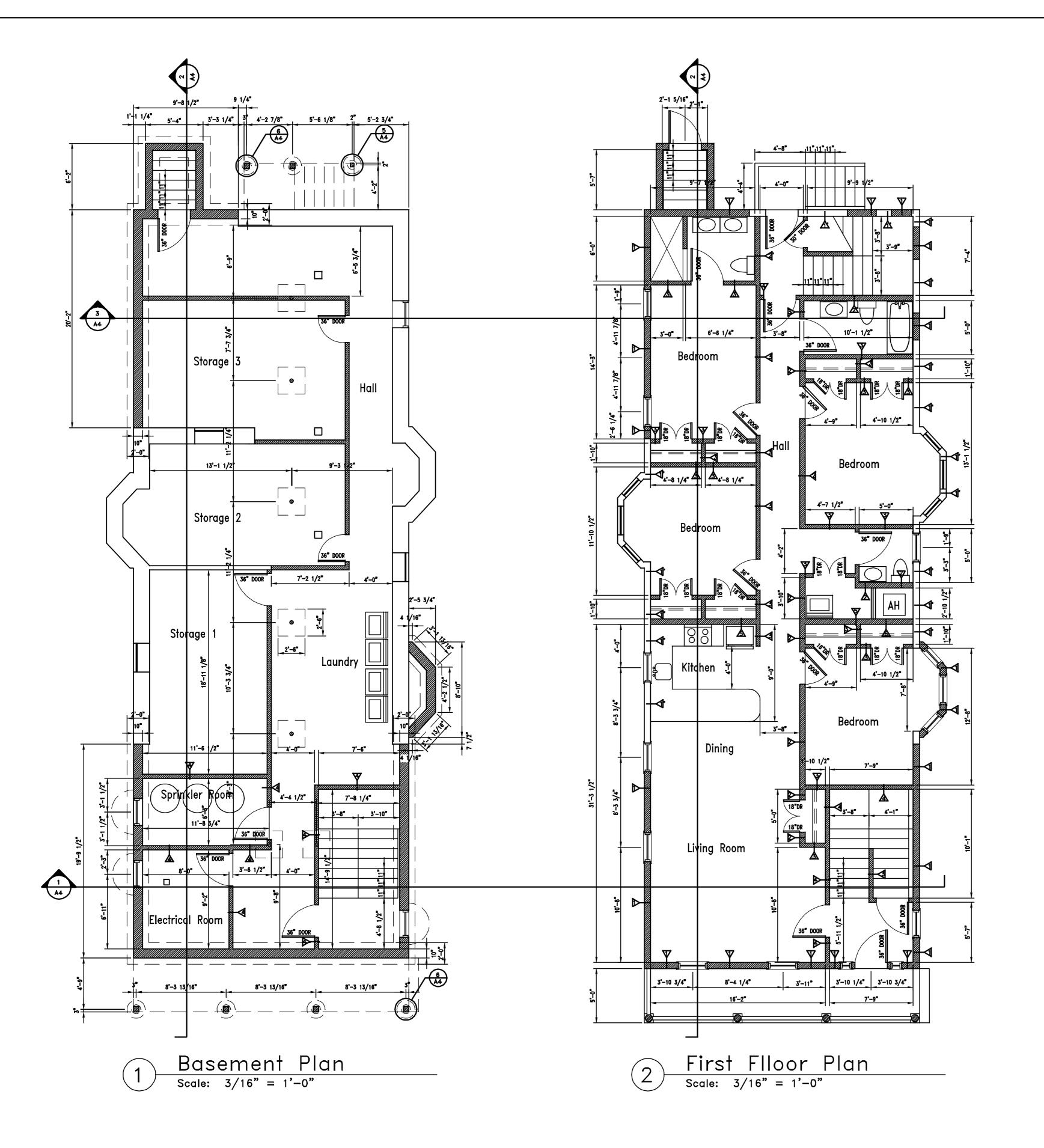
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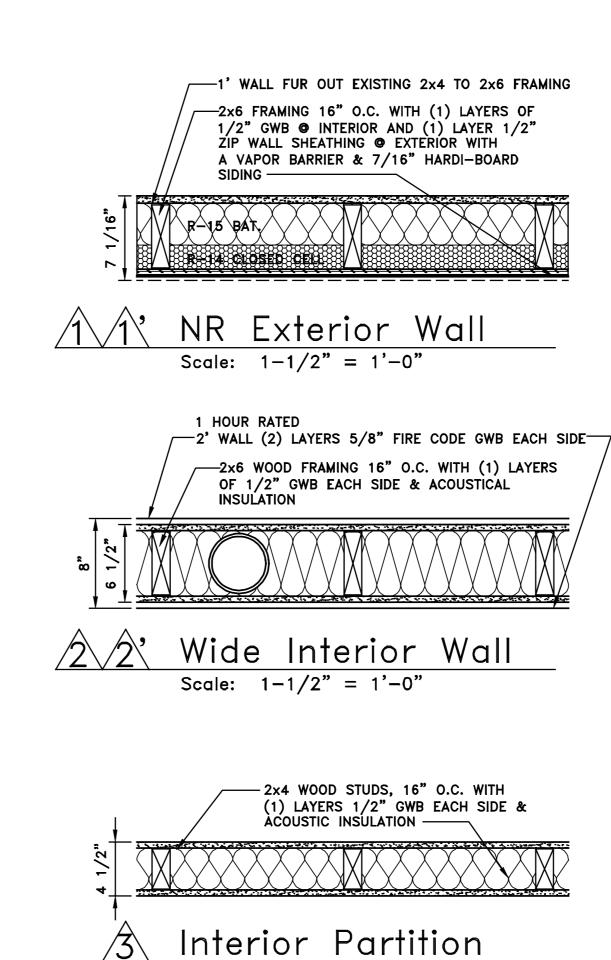
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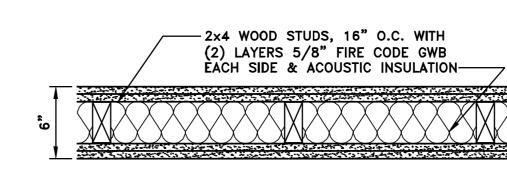
1/4"=1'-0"

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Existing Floor

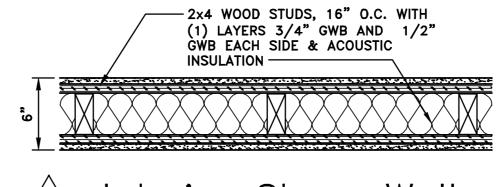






Scale: 1-1/2" = 1'-0"

2 Hour Rated Wall Scale: 1-1/2" = 1'-0"



Interior Shear Wall Scale: 1-1/2" = 1'-0"

General Notes:

NEW ITEMS INSTALLED

It is required that the contractor and all subs inspect the project and verify all existing conditions. They will be held responsible for the full extent of all required work prior to bid and during construction.

The contractor and all the subs shall confirm and verify in the field all conditions, dimensions, quantities and locations prior to submitting their final bid and installation of ANY items or materials, all through the construction process. Failure to do so will result in the contractor being solely responsible for the cost of

4. Drawn information is taken from existing and random field measurements and is provided only to assist the contractor and the subs in establishing the scope of work and therefore not to be relied upon. Do not scale drawings for quantities, lengths, sizes or areas.

The contractor and subs shall report in writing any and all deviations in the existing conditions, dimensions, quantities and locations etc.. to the materials. Failure to do so prior to the start of construction shall make the contractor solely responsible for cost of making all required

6. It is NOT intended that these drawings show every cut and/or condition of the building system, however, the contractor and all the subs shall furnish a complete product in accordance with the best practice of the trade, to the satisfaction of the architect/owner and in strict conformance with all applicable state and local building code requirements.

9. All existing areas, not to be demolished, disturbed or damaged as a result of the new construction are to be patched or replaced and finished to match adjacent work areas.

10. See plans, elevations, details and specifications (if part of this project) for additional specific project requirements.

All floor framing of heated space All roof framing of heated spaces R-30 R-45 All exterior doors R-2.5

13. All new new flooring shall be as shown on plans 16" o.c. with rim joist and 3/4" T & G plywood

14. All exterior walls shall consist of 2x6 framing 16"

15. All roofing shall be as shown on plans 16" o.c. with 3/4" T & G plywood decking rubber membrane

18. All new exterior doors shall be solid wood painted wood with weather stripping, painted wood thresholds and metal full lite screen doors with removable screen/window panel.

20. All bathrooms shall have tile full tile tub surround.
All full bathrooms shall have vanity base cabinets and all 1/2 baths shall have pedestal sinks or as per Owner's request.

shall be Anderson 400 Architectural Series or as requested by owner.

23. The owner and contractor is solely responsible for the location of the building on the site and shall hire a site engineer & surveyor to verify all zoning & site conditions & requirements. If adjustments to the building is required the architect shall be notified in writing prior to construction of any building item or foundation. Failure to do so will result in the owner the costs any required corrections.

□□□□ ITEMS TO BE REMOVED

EXISTING ITEMS TO REMAIN

making all required corrections.

The contractor and subs shall notify the owner or architect in writing of any and all conflicts in the

architect/owner prior to installation of ANY items or

7. All materials and notes refer to new materials unless otherwise noted or indicated existing.

8. The contractor and subs shall temporarily disconnect and remove all existing building services that interfere with the proper installation of the new construction. The contractor and subs are responsible to notify the architect/owner in writing of these services before disconnection. Reinstall and reconnect all temporary disconnected and removed items to the satisfaction of the architect and owner.

11. Verify all existing items to be removed as shown on

12. Provide required insulation as per code:
All perimeter walls of heated space R-1.54 All insulated windows

underlayment. All floors shall be finished 3/4" oak.

o.c. with 1/2" CDX plywood sheathing & painted 1/2" GWB interior with skim coat plaster finish.

16. All new interior ceilings & walls shall be painted 1/2" GWB with skim coat plaster.

17. All new interior doors shall be solid wood six panel colonial doors with painted solid wood trim with plinth blocks. At rooms base and ceiling crown molding as per owners request.

19. All kitchens shall have granite counters with granite tile back splash. Verify with owner final cabinet layout and style.

21. All new windows shall be solid wood windows to match existing, style, sizes & detail. Manufacturer

22. Each unit shall be supplied with a new fire supression and alarm system as required by code.

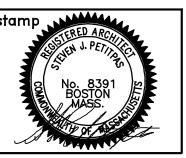
& contractor being solely & collectively responsible for

24. All appliances and construction methods shall comply with all Energy Star Rating requirements.

25. All other requirements to be verified with owner.

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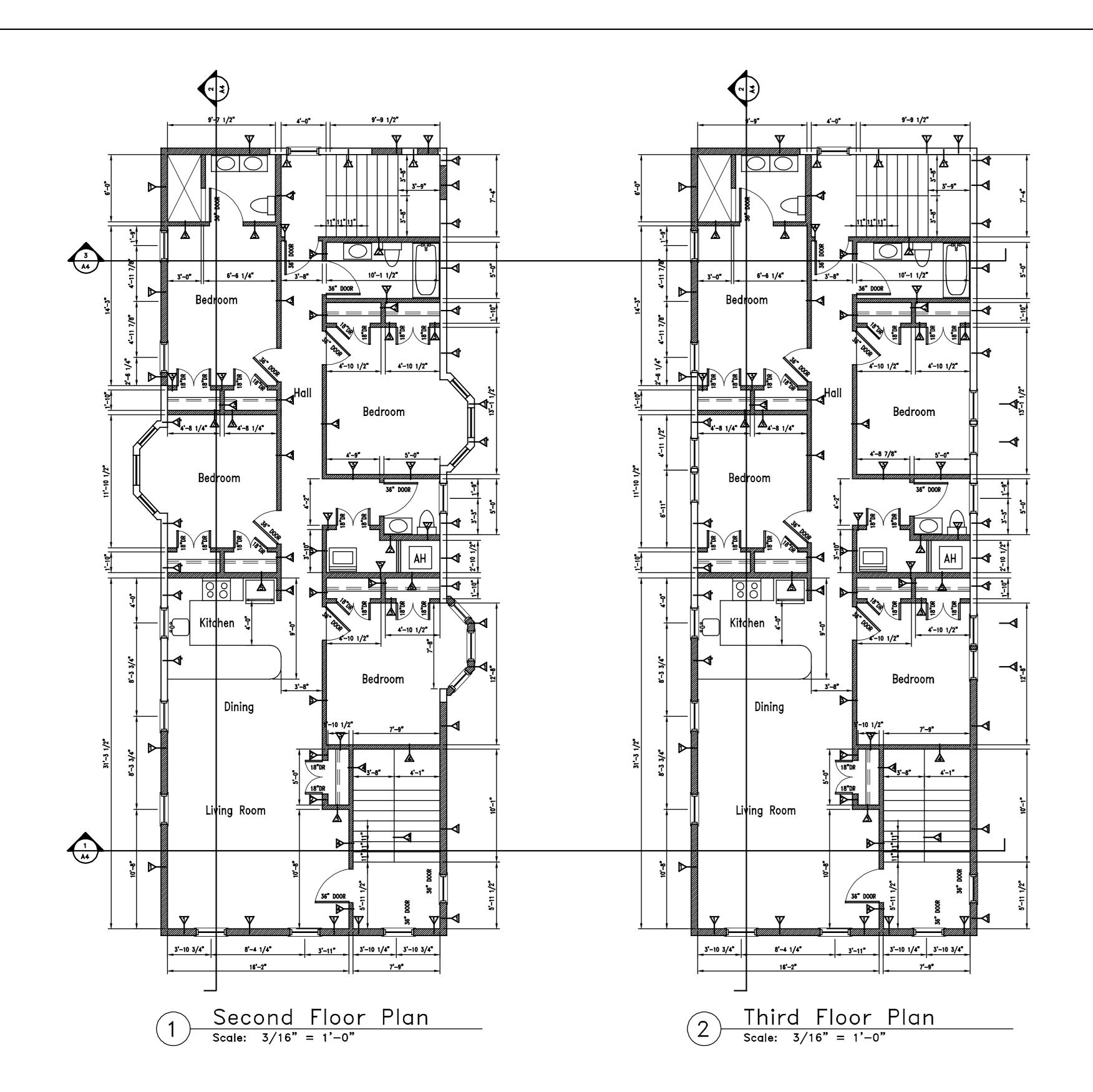
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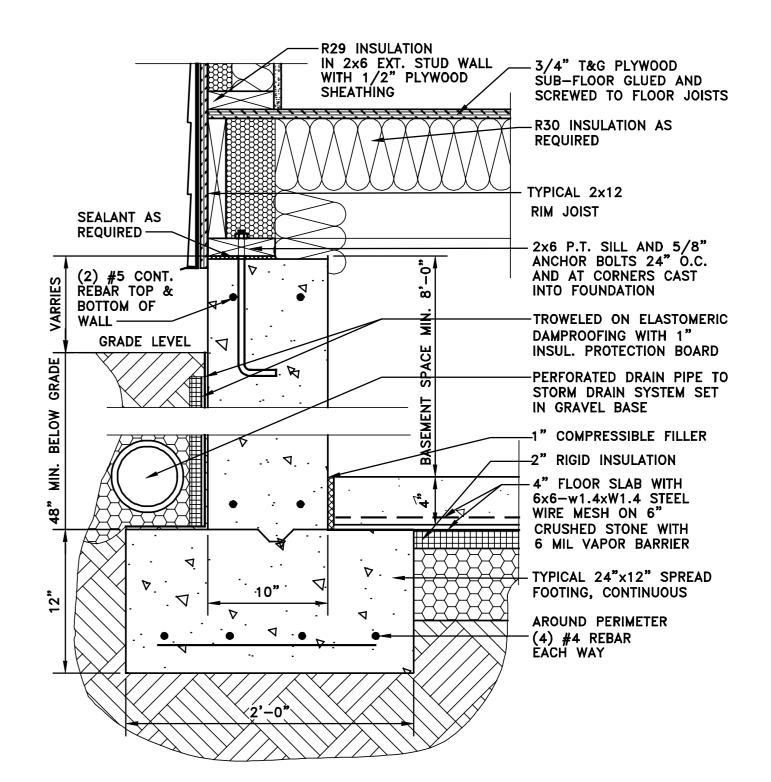
3/16"=1'-0"

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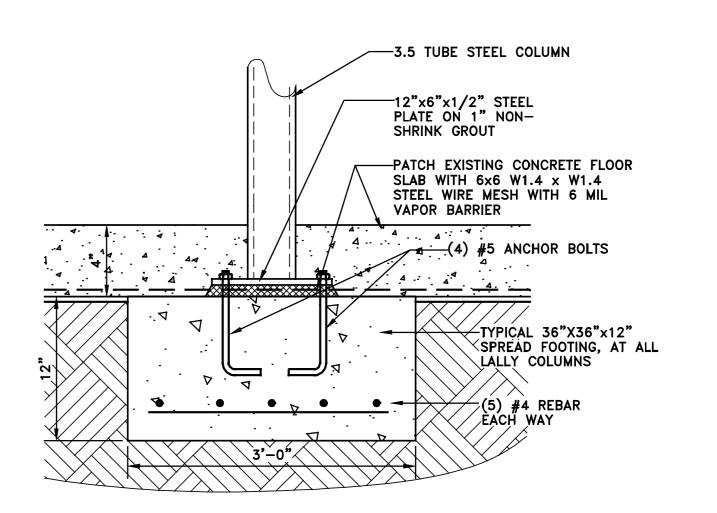
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|Basement, First Floor Plan, Wall Types & Details



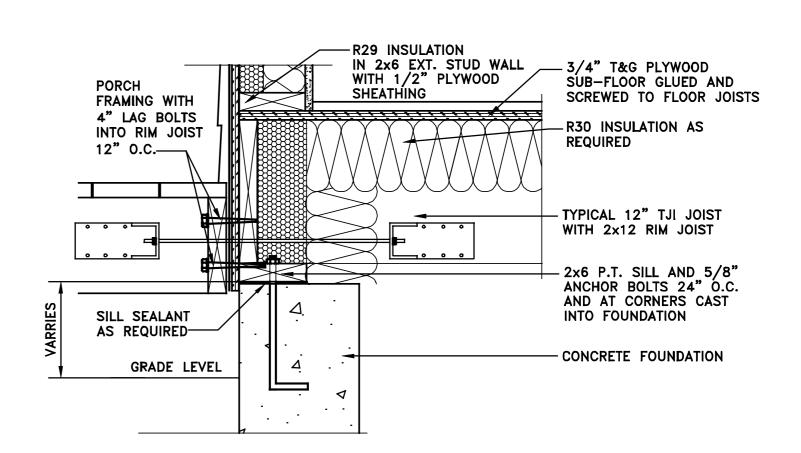


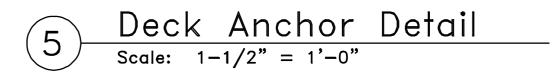
Foundation Detail Scale: 1-1/2" = 1'-0"



Steel Post Footing

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





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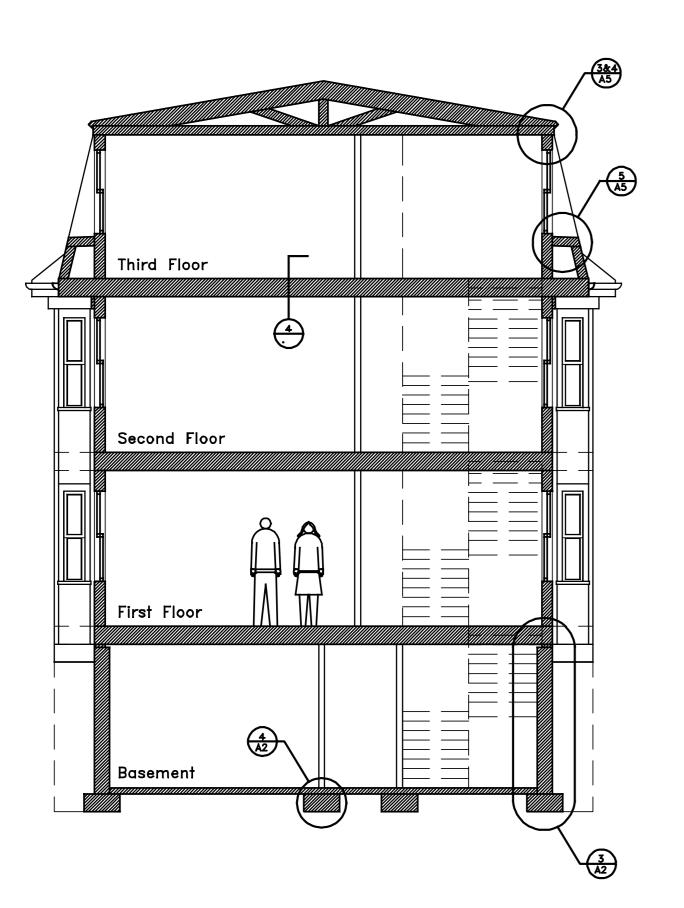
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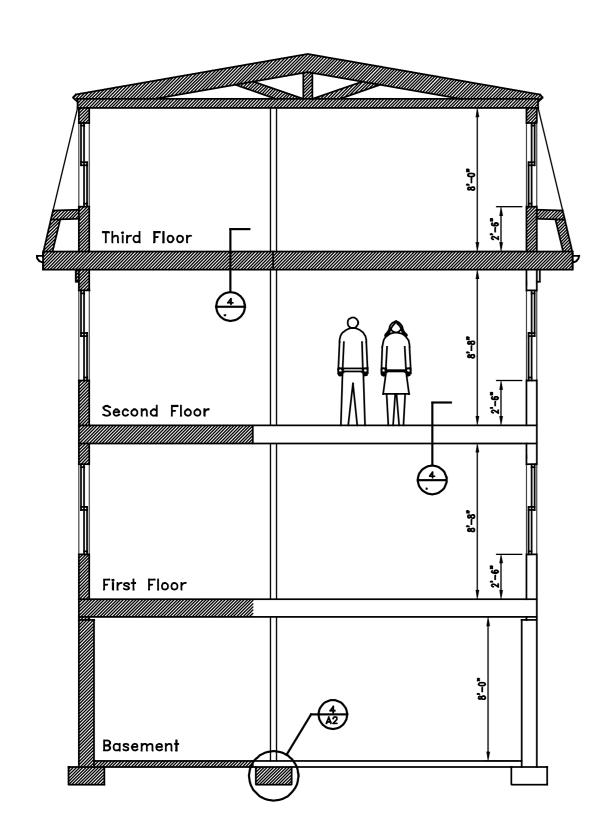
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Second, Third Floor Plan & Details

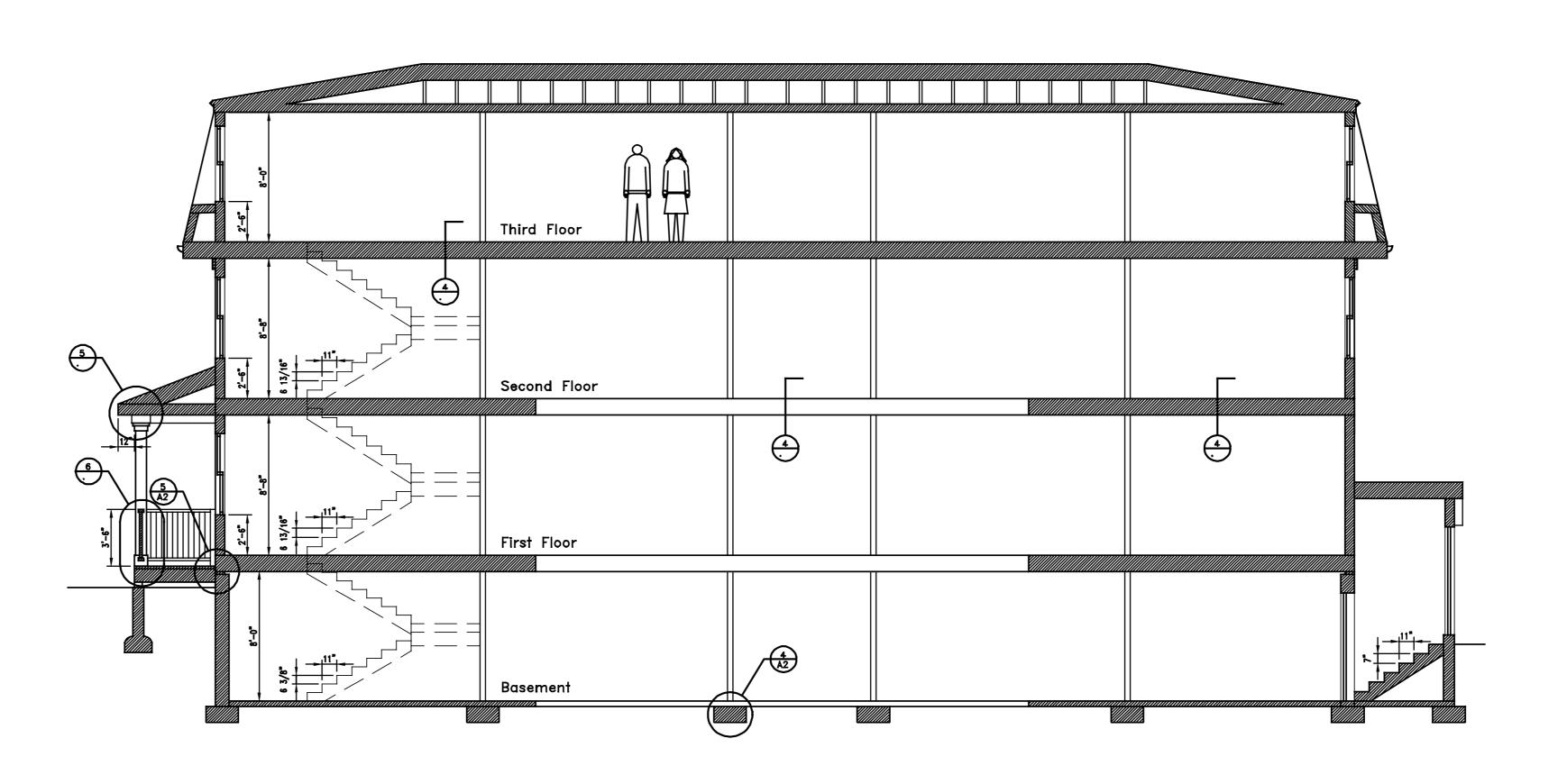


Front Cross Section
Scale: 3/16" = 1'-0"



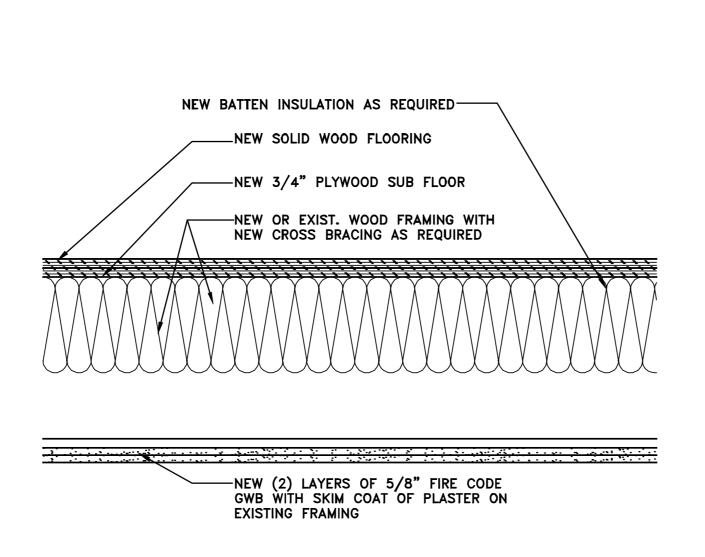
Rear Cross Secrion

Scale: 3/16" = 1'-0"

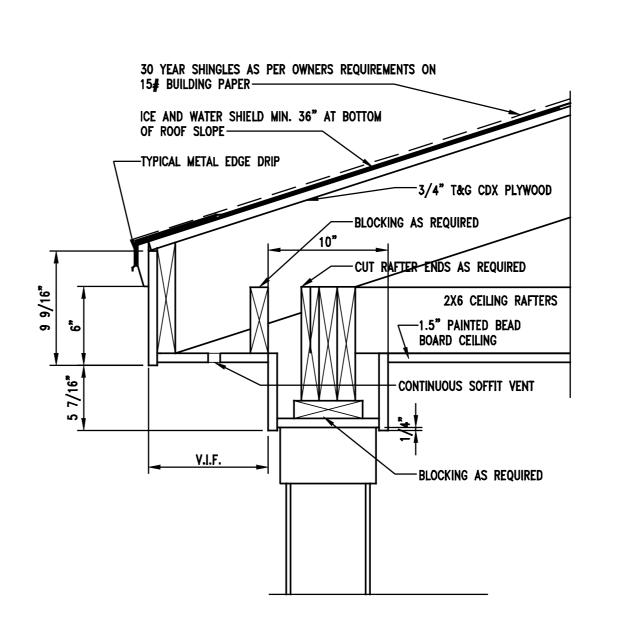


Longitudinal Section

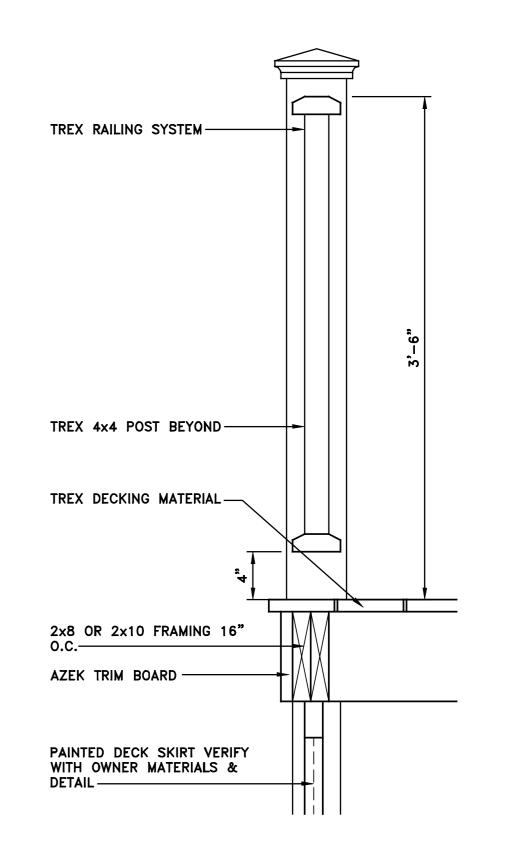
Scale: 3/16" = 1'-0"



Floor Assembly
Scale: 1-1/2" = 1'-0"



5 Porch Roof Detail
Scale: 1-1/2" = 1'-0"



6 Deck Rail Detail
Scale: 1-1/2" = 1'-0"

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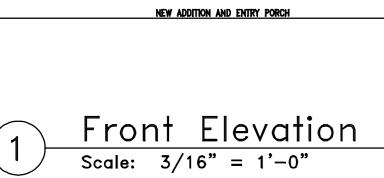
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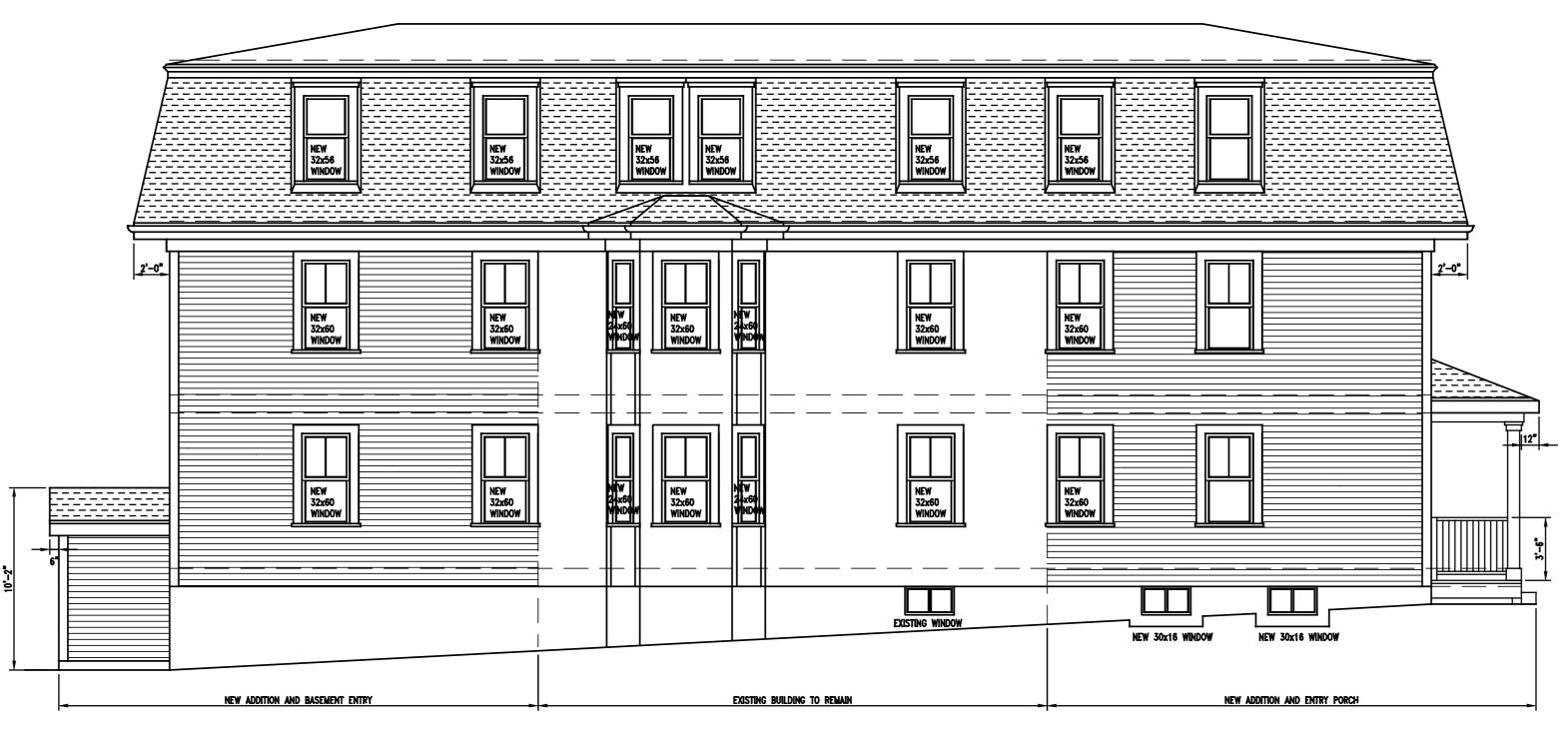
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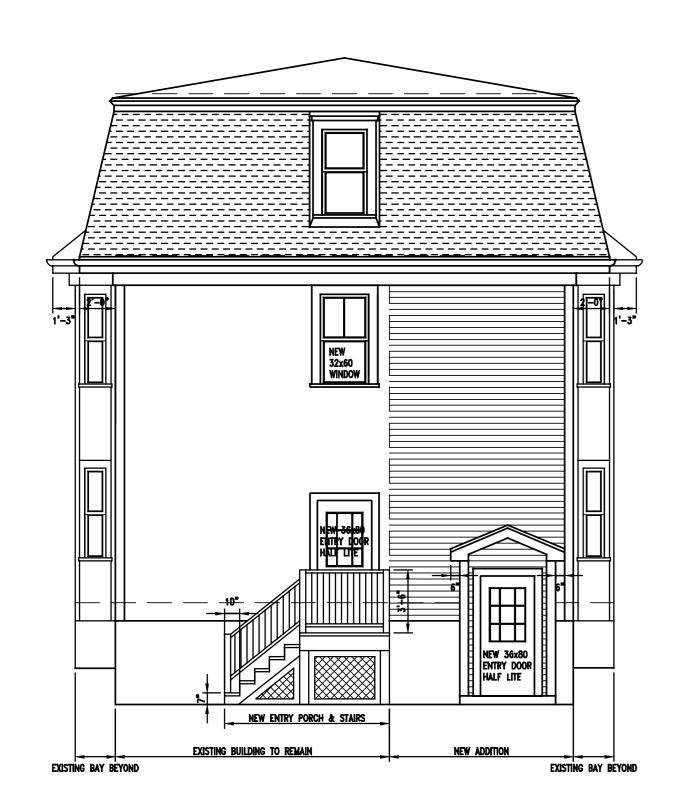
Building Sections & Details

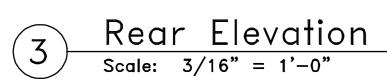






2 Neighbor's Elevation
Scale: 3/16" = 1'-0"

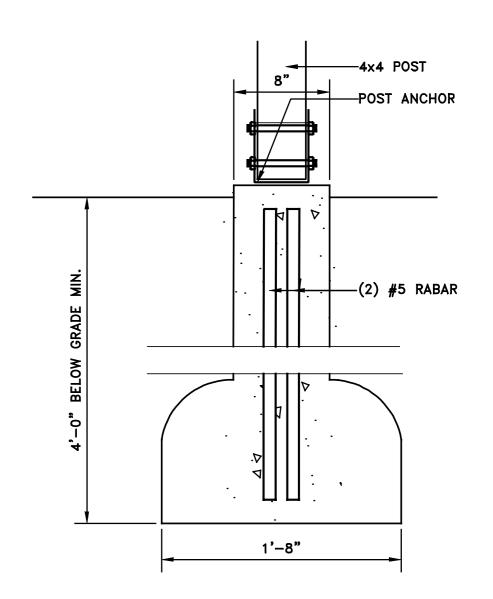




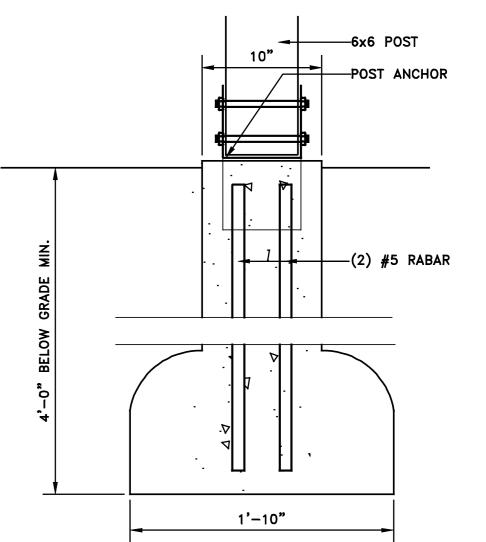


Driveway Elevation

Scale: 3/16" = 1'-0"



5 Scale: 1-1/2" = 1'-0"



6 Large Post Footing
Scale: 1-1/2" = 1'-0"

General Notes:

- All new exterior window's shall be double hung wood painted with fixed top panel. Provide removable black vinyl insect screen at bottom panel only.
- All exterior trim shall be Azek or as required by the Client.
- All new entry porch columns shall be painted fibeglass.
- Decks & Porches shall be painted solid PT wood composite decking and rails.
- Sloped roof shall be 30 year fiberglass shingles with 48" min. ice and water shield at bottom of slope and as per owner's requirements.
- Provide all new gutters & down spouts tied into storm drain system as required & as per owner's request, coordinate locations with new storm drain system.
- All siding shall be new Hardi—Board siding with 4.5" exposure.

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none: (617) 323-4955

Fax: (617) 323-6081

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3 Unit Renovation 54 Oak Street Boston, Massachusetts

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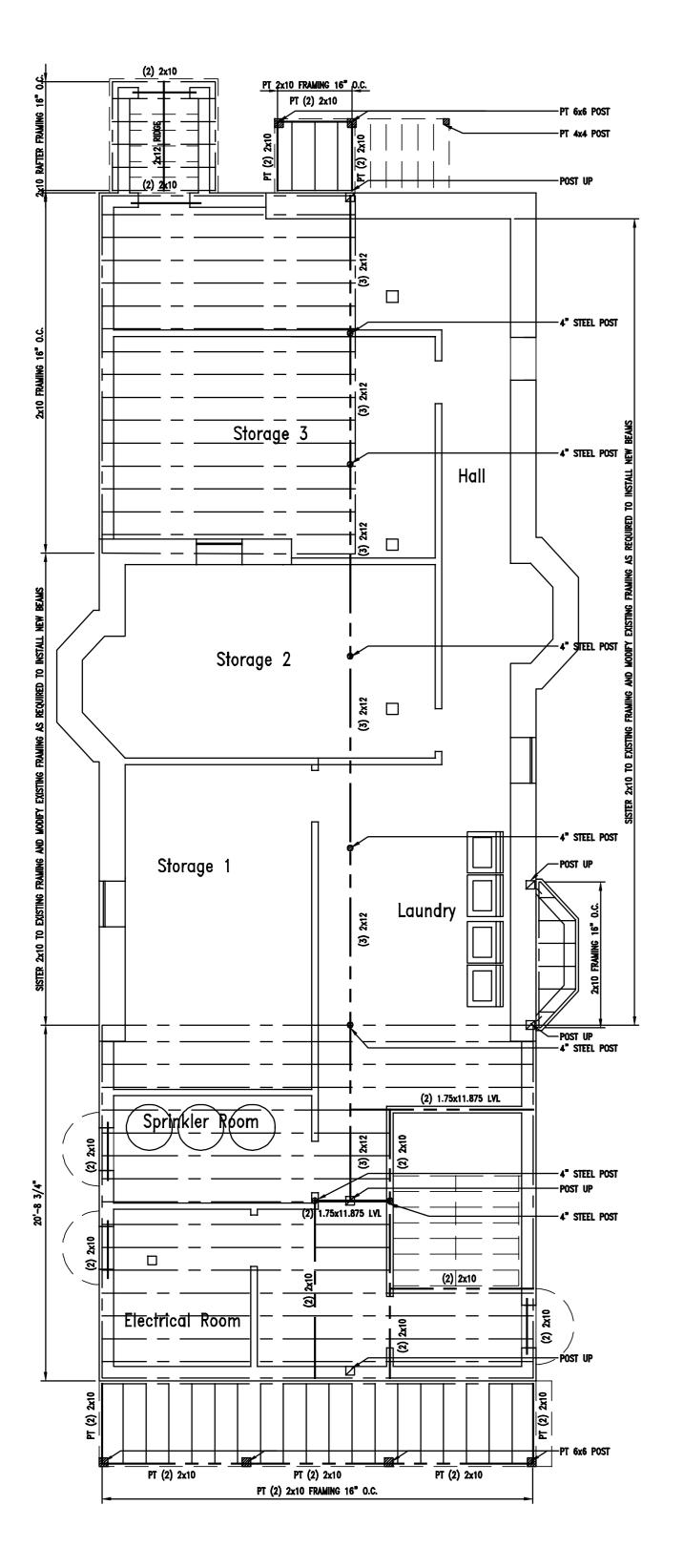
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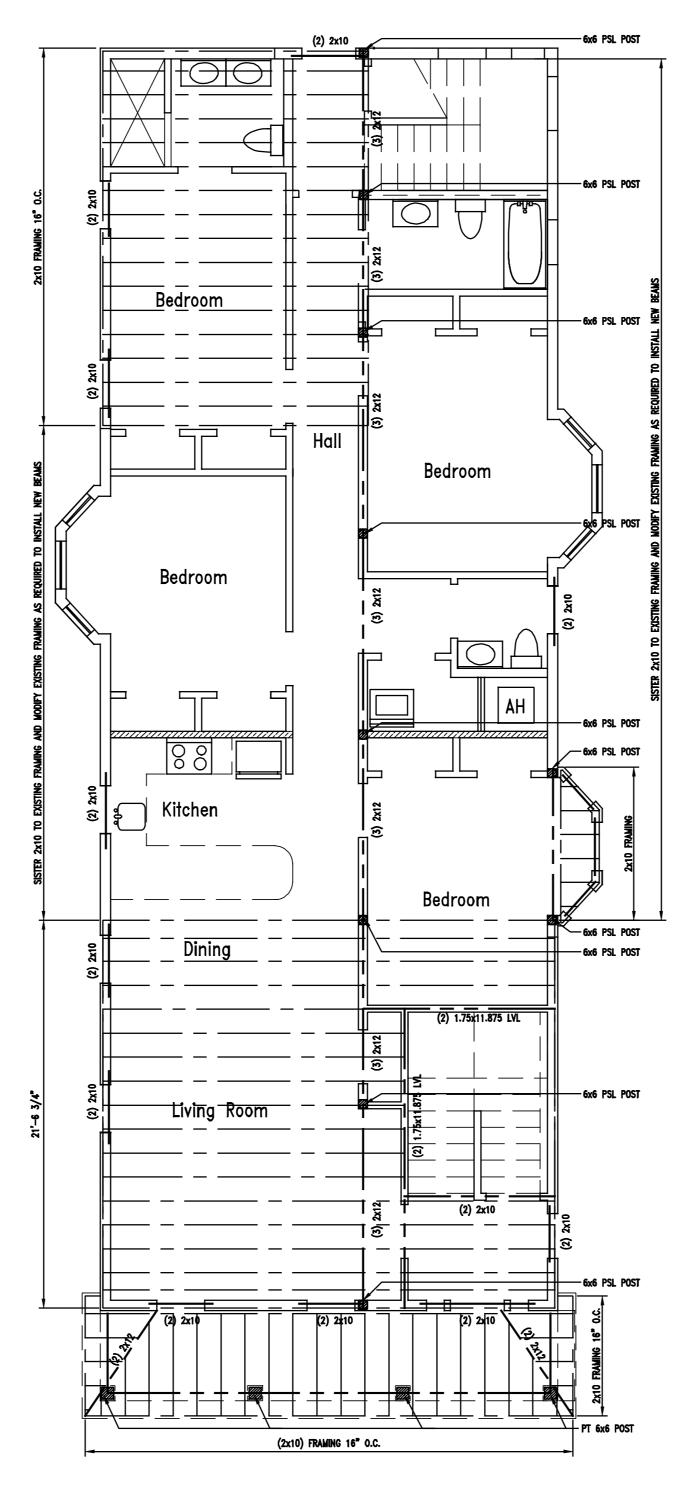
Elevations

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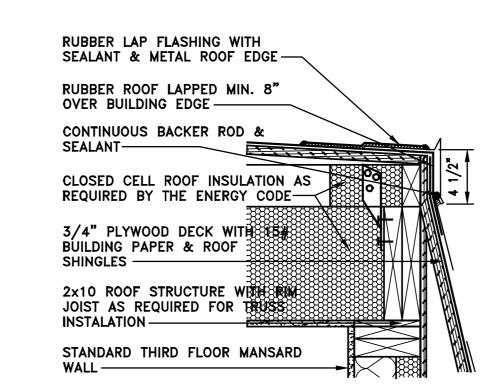
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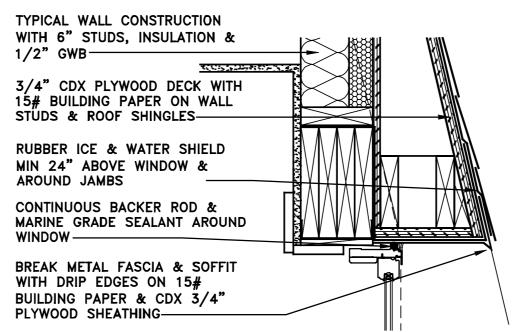
1st Floor Framing
Scale: 3/16" = 1'-0"



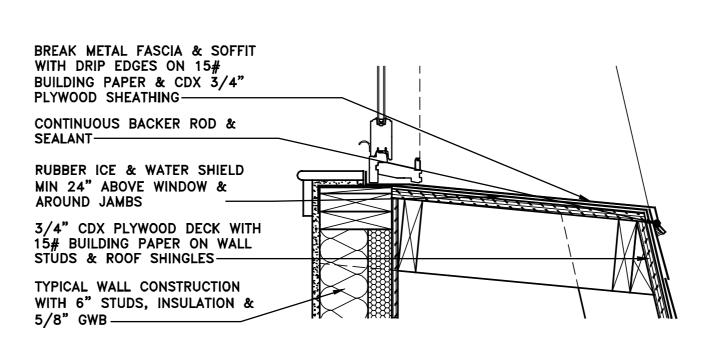
2nd Floor Framing Scale: 3/16" = 1'-0"



Mansard Roof Edge Scale: 1-1/2" = 1'-0"



Mansard Windoe Head Scale: 1-1/2" = 1'-0"



Mansard Window Sill
Scale: 1-1/2" = 1'-0"

Framing Notes:

---- NEW BEAMS & HEADERS (as notes)

---- NEW FRAMING MEMBERS

licensed professional builder only and not by the

- 3. All lumber for new framing shall conform to that as required for multi-family construction. The Contractor shall verify with a structural engineer all requirements and any additional requirements and shall review
- 4. All pre-engineered laminated beams shall be sized as per manufacturers recommendation and provide the local Building Inspector with all applicable cuts and specifications for their review prior to installation.
- 5. All concrete foundations shall be 3,000 PSI concrete at 28 days 4'-0" below grade min.
- Align and make flush height of all floor framing at new addition with existing floor joists and align and making flush all floor finishes and ceiling/s. Misaligned floor finishes and ceiling/s WILL NOT BE ACCEPTABLE.
- All new floor joists shall be as shown on plans with required bridging as per manufacturers requirements.

 All structural steel to be fy=50 kis All new roff trusses shall be instaled as per
- 8. All rebar Gr60 ASTM 60,000 PSI.
- to install all new work as indicated on plans and shall be solely responsible for it's design and
- 14. Framing plans show only the minimal or requirements for pricing only. All other requirements shall be verified by the structural engineer and shall be the sole responsibility of the Contractor.

BRIDGING AS REQUIRED

BRIDGING AS REQUIRED

1. All structural work shall be performed by qualified Owner. Any deviation from these plans shall be the sole responsibility of the Builder & Owner.

- All applicable building codes shall be followed and are the responsibility of the contractor.
- these drawings prior to construction.
- make flush height of new ceiling framing. The contractor shall be solely responsible for aligning and
- 7. All LVL's: Fb=3100 psi.
 All framing lumber Fb=1300 psi, Fc=1650.psi manufacturers requirements.
- 9. Provide corner bracing at all corners, Simpson model # WB106 installed as per manuf. specifications.
- 10. Soil capacity assumed at 1 tons psf, verify by Owner.
- 11. All bearing walls 2x6 at 16" o.c. and as noted on framing plans & details.
- All multiple LVL's to be bolted together as per manuf. specifications.
- 13. Contractor to provide all necessary shoring as required

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First & Second Floor Framing



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3 Unit Renovation 54 Oak Street Boston, Massachusetts

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12/26/2024

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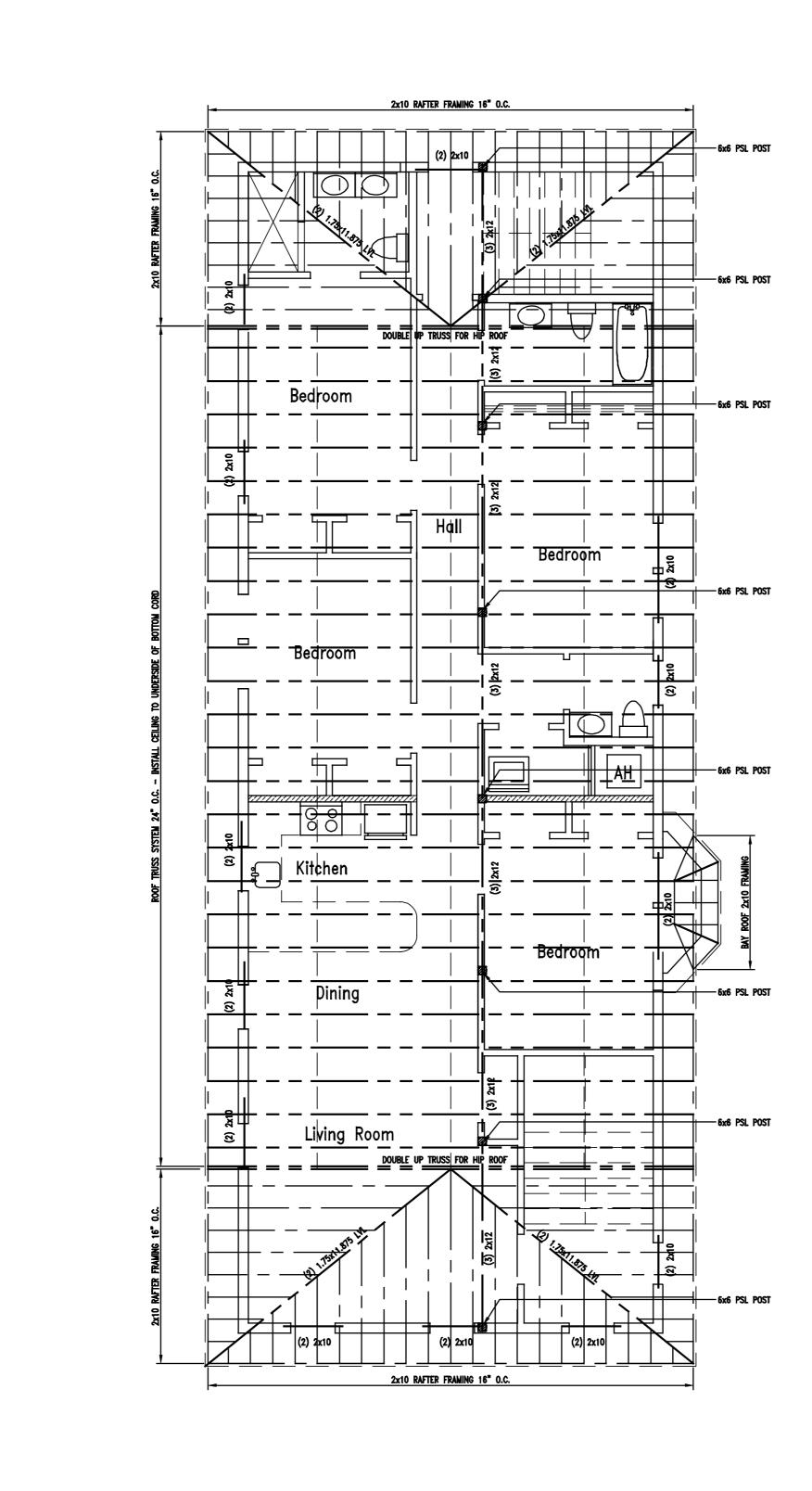
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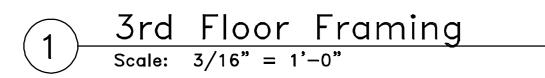
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Third Floor & Roof Framing Plan

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A6





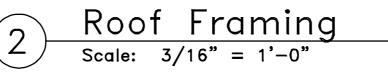
<u>Bedroom</u>

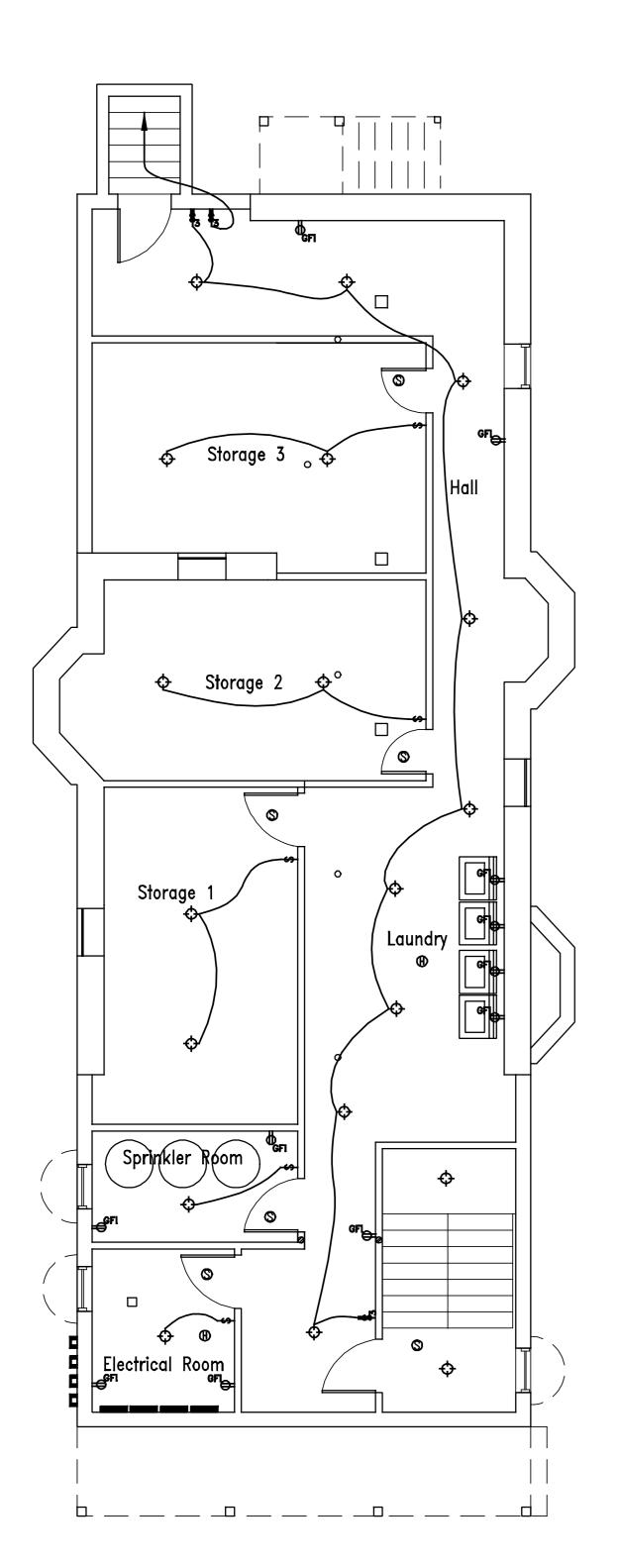
Bedroom

Hall

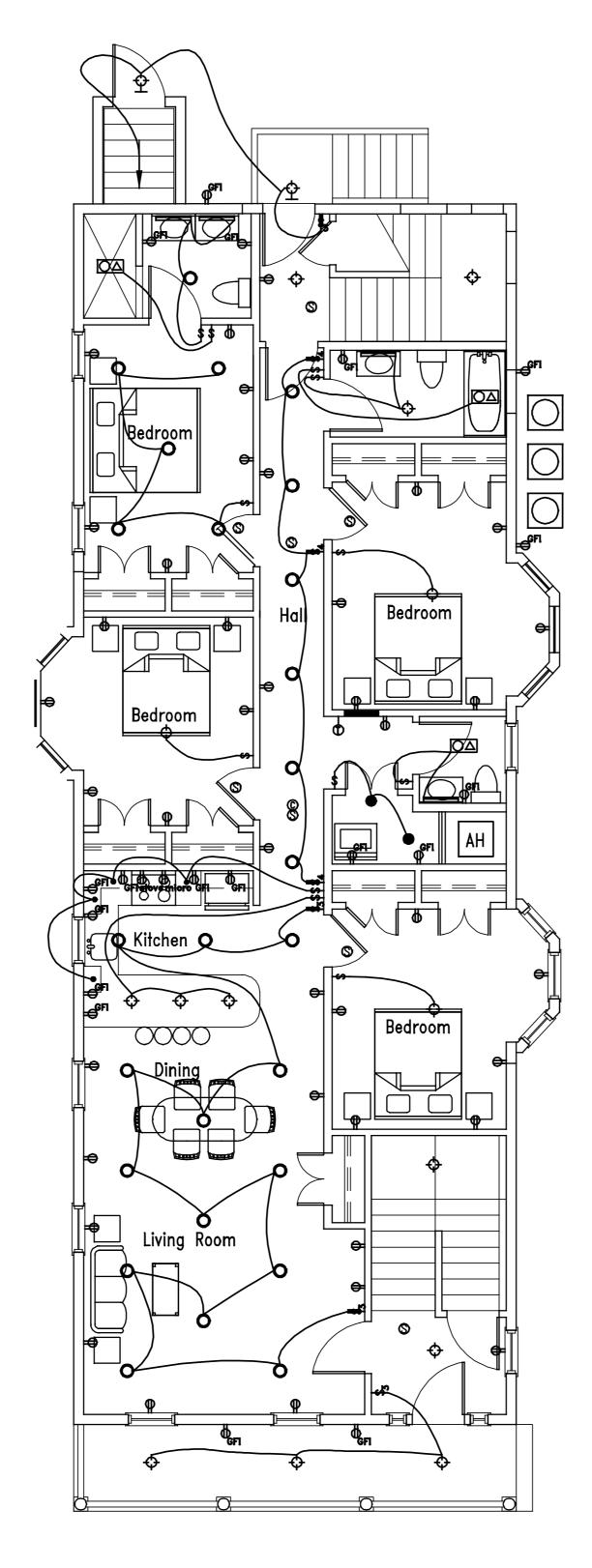
Bedroom

Bedroom





 $\frac{1st Floor Power}{Scale: 3/16" = 1'-0"}$



2nd Floor Power
Scale: 3/16" = 1'-0"

Power General Notes:

DUPLEX OUTLET

GROUND FAULT OUTLET

WALL SWITCH

RECESSED LIGHT FIXTURE

RECESSED DIRECTIONAL LIGHT

INCANDESCENT CEILING LIGHT

NEW THERMOSTAT

FLUORESCENT CEILING LIGHT

SMOKE DETECTOR

VANITY LIGHT

NEW ELECTRIC PANEL

NEW DECK LIGHTS

- Verify with the owner all other requirements prior to submission of price
- 5. Install new forced hot air heating and A.C. system at all units.
- Verify location & size and any required soffits for duct runs. Provide high velocity small sized duct work throughout building as required.

THREE WAY WALL SWITCH

FOUR WAY WALL SWITCH

EXTERIOR WALL MOUNTED SCONCE

UNDER CABINET LIGHT

CARBON DETECTOR

HEAT DETECTOR

FAN LIGHT UNIT

NEW ELECTRICAL METER

A.C. COMPRESSOR

AIR HANDLER



- Contractor shall verify all requirements for outlet quantity, plans show

- Provide dimmer switches at all bedrooms, dining areas, living areas & kitchen. Verify all dimmer switch locations with owner prior to pricing 6. & construction.
- 8. Provide 200 amp. electrical service to each unit, verify with owner.
- Provide phone jacks, computer network & cable TV outlets as required and verify all locations with owner prior to installation.
- 10. Provide dedicated electrical outlets at master bedroom whirlpool tub, one for the pump and one for the heater.
- All applicable codes shall be followed and are the responsibility of the contractor. These plans are intended to show the very minimal design requirements.

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3/16"=1'-0"

First & Second Floor Power

date 12/26/2024

3/16"=1'-0"

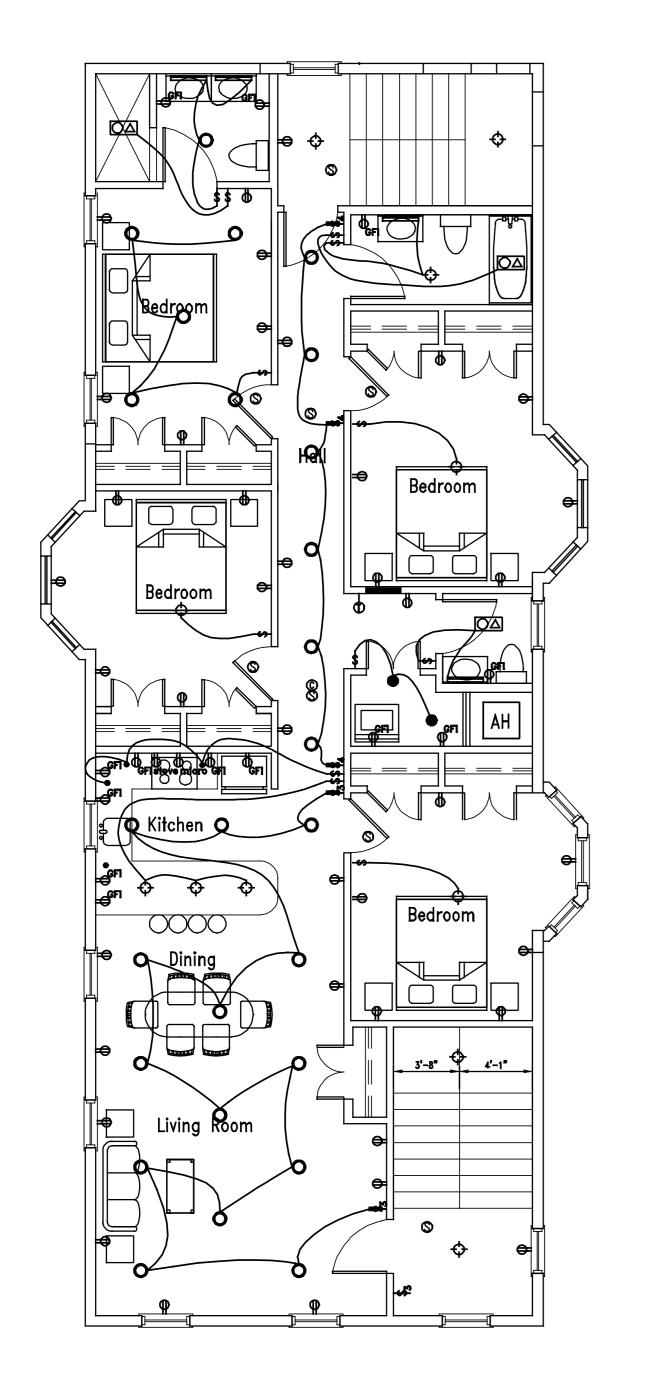
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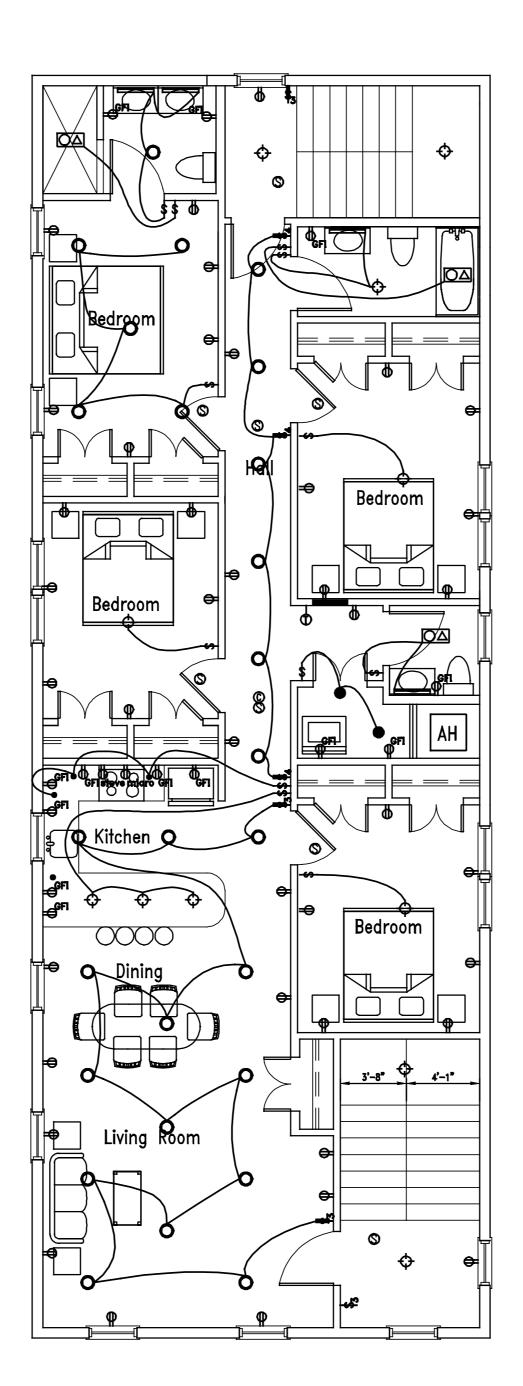
First & Second Floor Power Plan

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A8







2 4th Floor Power
Scale: 3/16" = 1'-0"