Important Note About House Plans

House Plans are fully integrated sets of construction drawings created by BSC for specific locations and climates. The sets include floor plans, detailed framing plans and wall framing elevations, exterior elevations and sections, advanced framing and enclosure details, as well as mechanical and electrical plans.

Through our multi-disciplinary team approach, interior, framing and mechanical layouts are designed and coordinated well before the start of construction. Duct layouts are not only shown on the mechanical plan but on the framing plan as well. This level of coordination limits changes made in the field and helps to ensure assemblies and systems are installed as designed.

Please Note

Please note that House Plans are posted as examples of high performance housing designs and are not to be used for construction. If you wish to use these plans as a basis for a house design, you should keep the following in mind:

- Most state and local governments require that a set of drawings be stamped by an architect licensed to practice locally
- Foundation plans need to be developed for the specific site and climate
- While these drawings were developed to be compliant with the then-current IRC code, you will need to meet your local building code requirements
- Finally, since materials and products specified in the drawings may not be available in all locations, you will need to carefully research any substitutions to verify compatibility and performance.



Habitat for Humanity of Metro Denver Single Family Housing

13th Avenue and Nelson Street Lakewood, Color ado





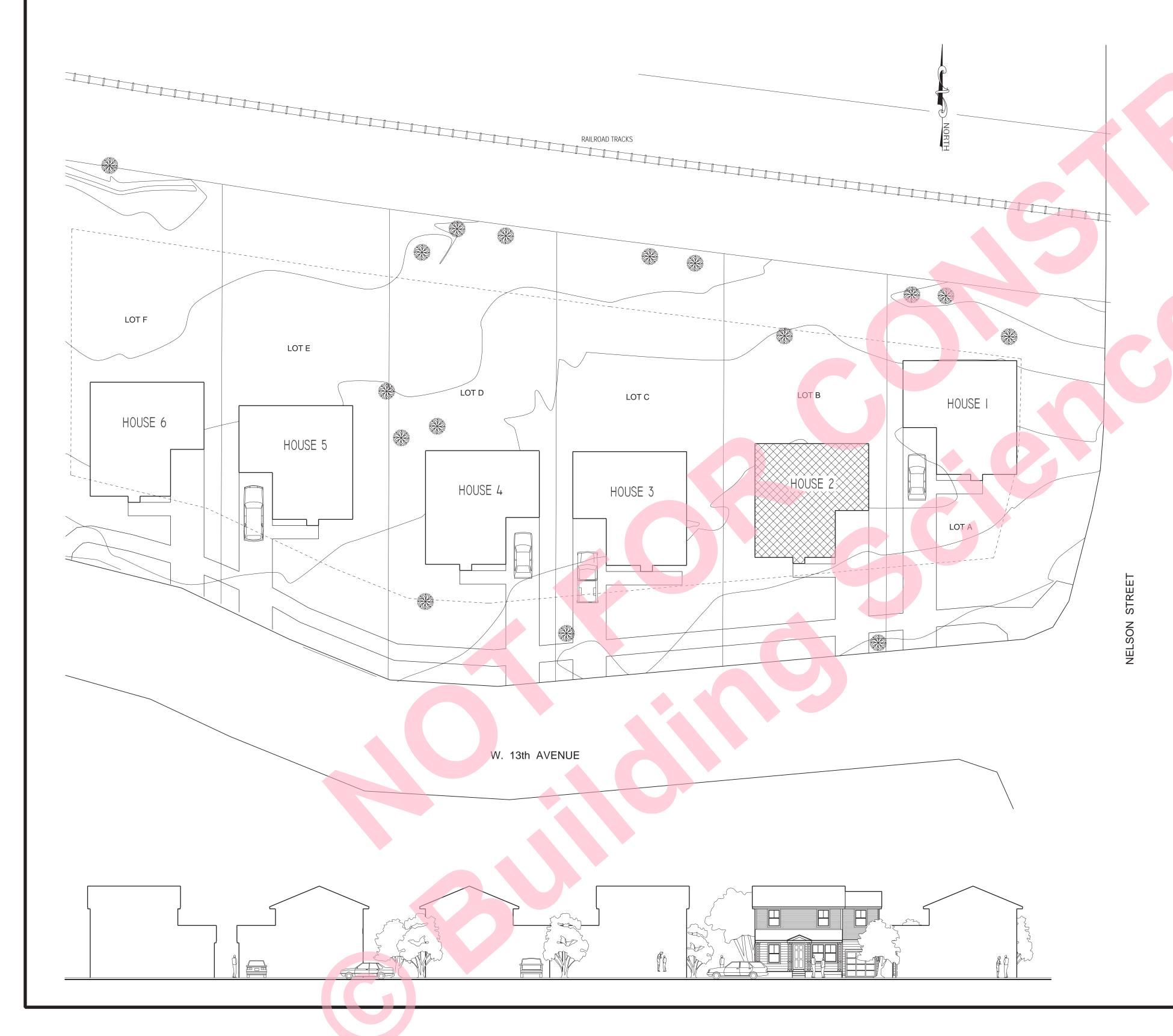






HABITAT FOR HUMANITY SINGLE FAMILY HOUSING

13 the AVENUE AND NELSON STREET LAKE WOOD COLORADO



HOUSE 2

LIST OF DRAWINGS

-1 FOUNDATION PLAN

A-2 FIRST FLOOR FRAMING PLAN

A-3 FIRST FLOOR PLAN

A-4 SECOND FLOOR FRAMING PLAN

-5 SECOND FLOOR PLAN

A-6 ROOF FRAMING PLAN / ROOF PLAN

-7 BUILDING ELEVATIONS / WINDOW SCHEDULE

A-8 BUILDING SECTIONS

A-9 WALL SECTION

FIRST AND SECOND FLOOR ELECTRICAL PLANS

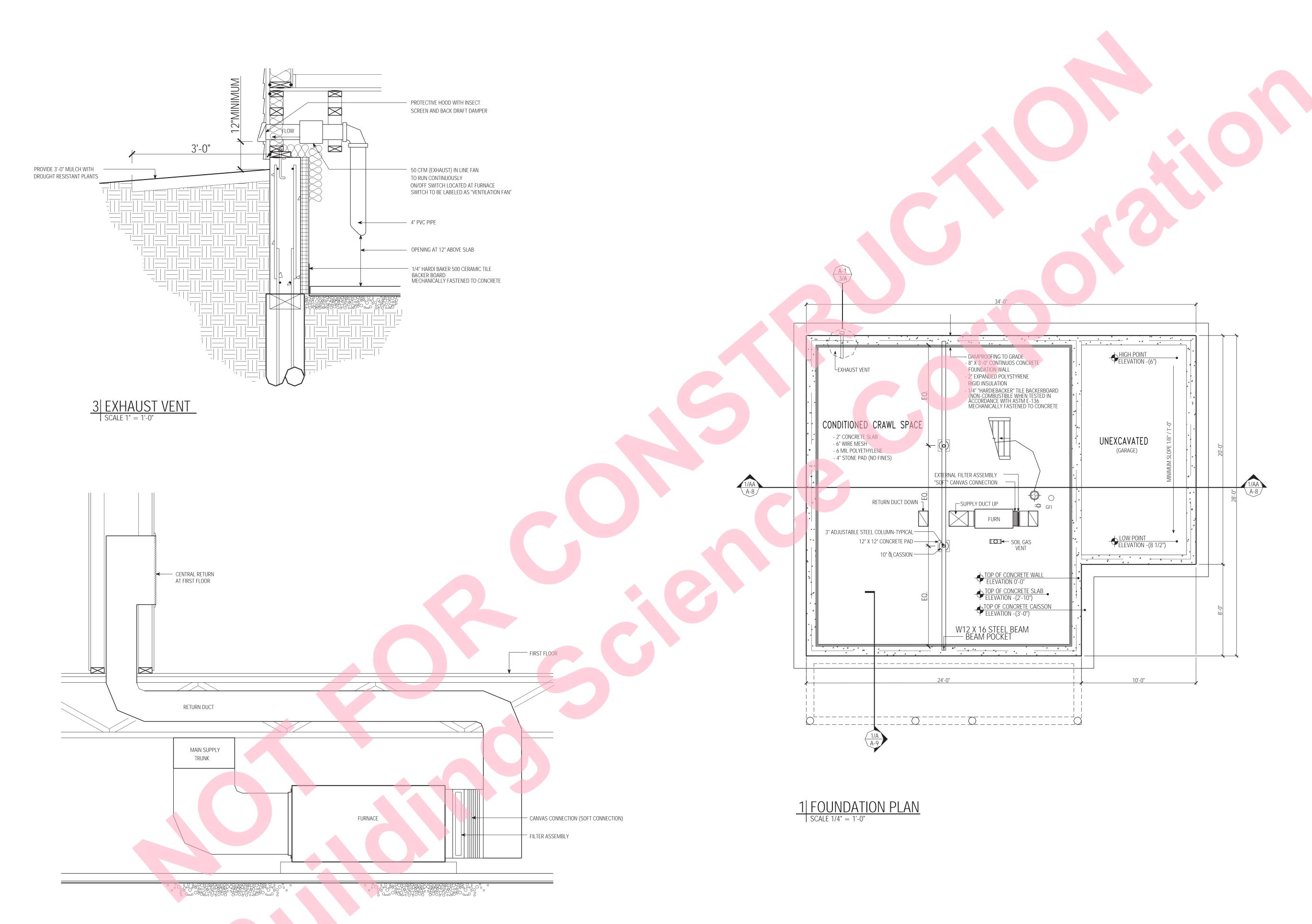
HABITAT FOR HUMANITY OF METRO DENVER 1500 WEST 12th AVENUE DENVER COLORADO 80204

BUILDING SCIENCE CORPORATION AND BETSY PETTIT ARCHITECTS

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22 JANUARY 2001





2 FURNACE DETAIL

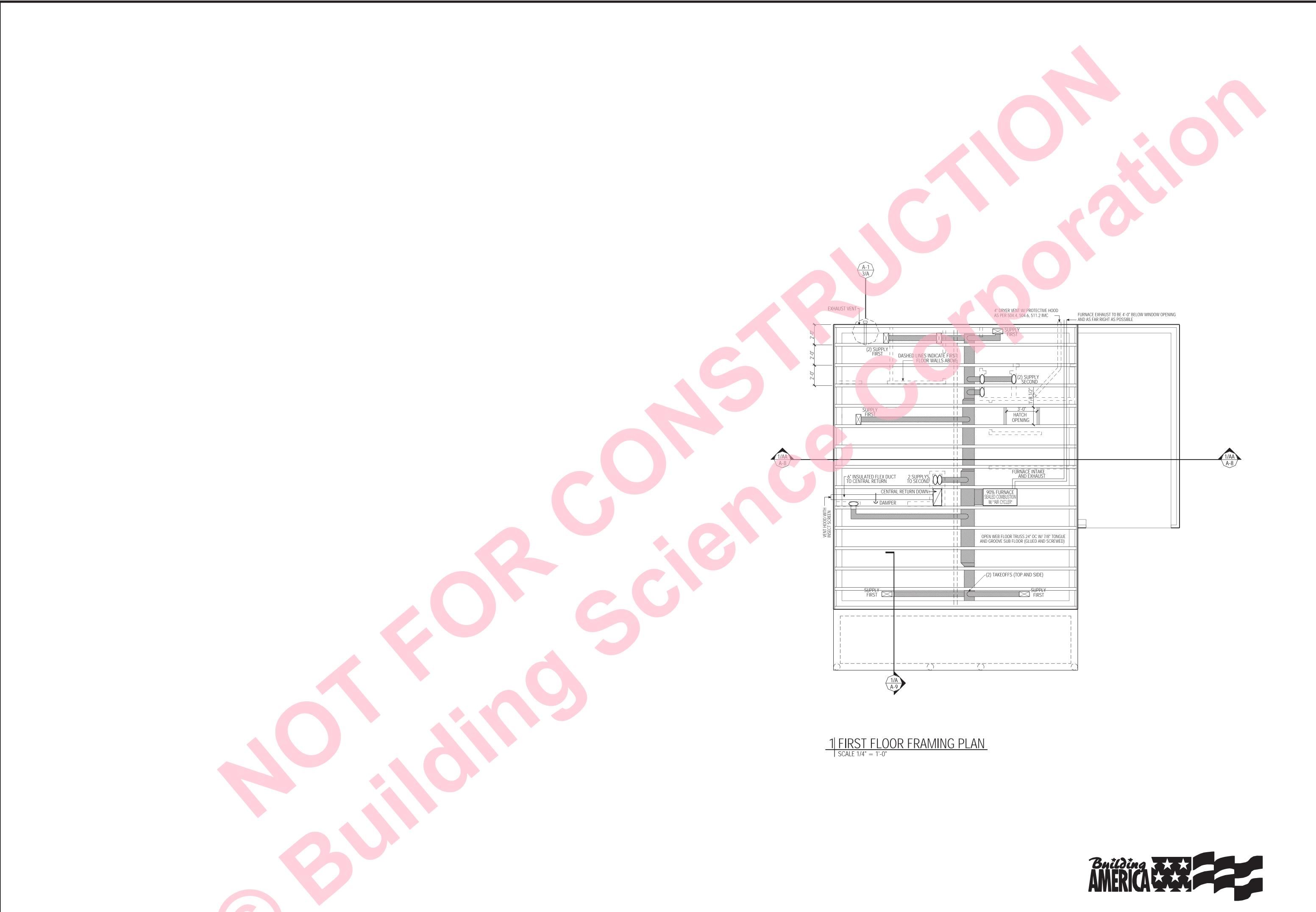
| SCALE 1" = 1'-0"

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FOUNDATION PLAN AND DETAILS

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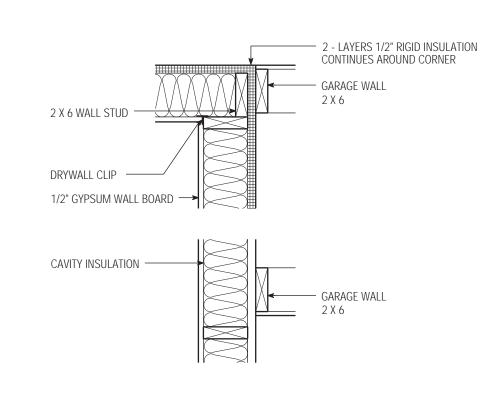
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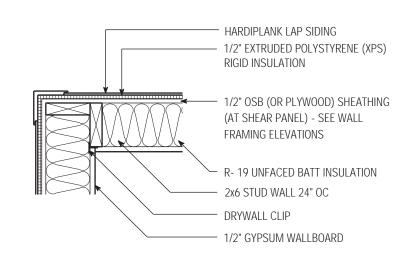
13TH AVENUE AND NELSON STR

FIRST FLOOR FRAMING PLAN
HVAC DUCT / EQUIPMENT LAYOUT
HOUSE 2

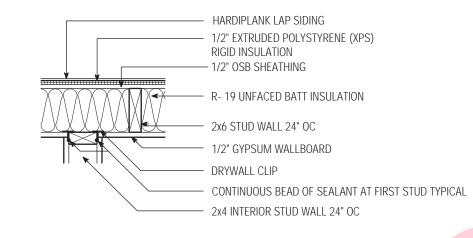
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4 CORNER DETAIL | SCALE 1" = 1'-0"

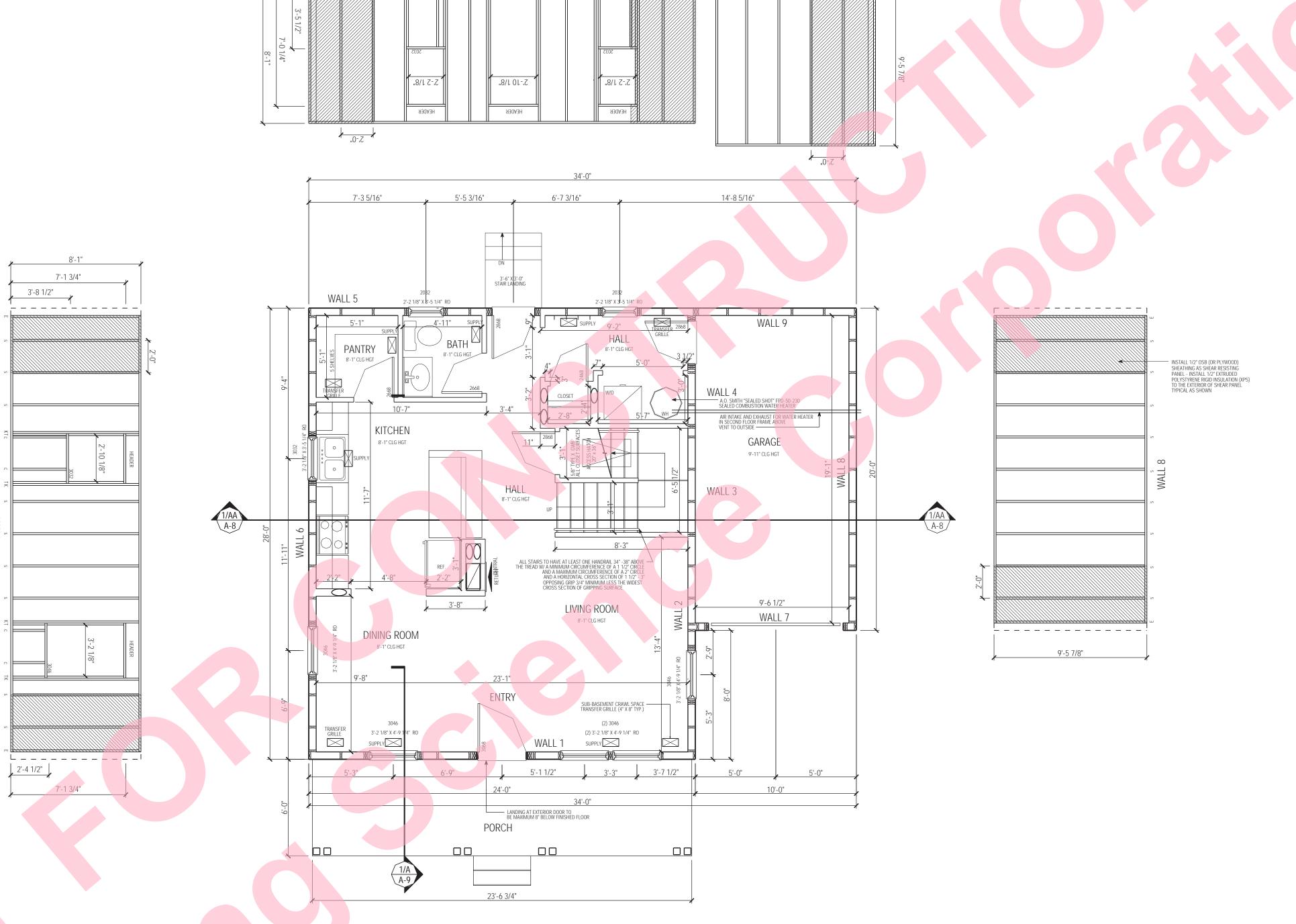


3 FRAME @ 2 STUD CORNER (plan) | SCALE 1" = 1'-0"

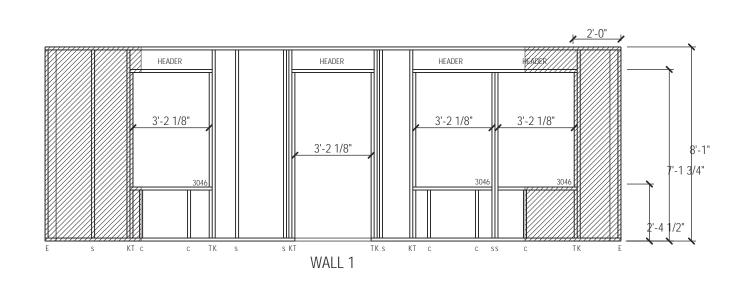


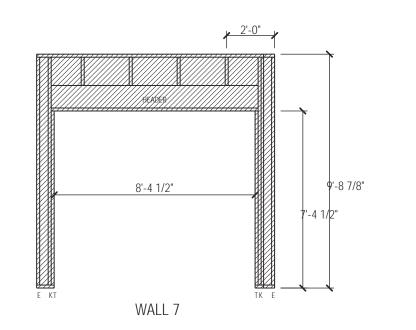
2 FRAME @ INTERIOR WALL (plan)

| SCALE 1" = 1'-0"



1 FIRST FLOOR PLAN / FRAMING ELEVATIONS (672 SQ. FT.)
| SCALE 1/4" = 1'-0"







MALL 2

WALL 2

WALL 3

WALL 4

AND BETSY PETTIT 4

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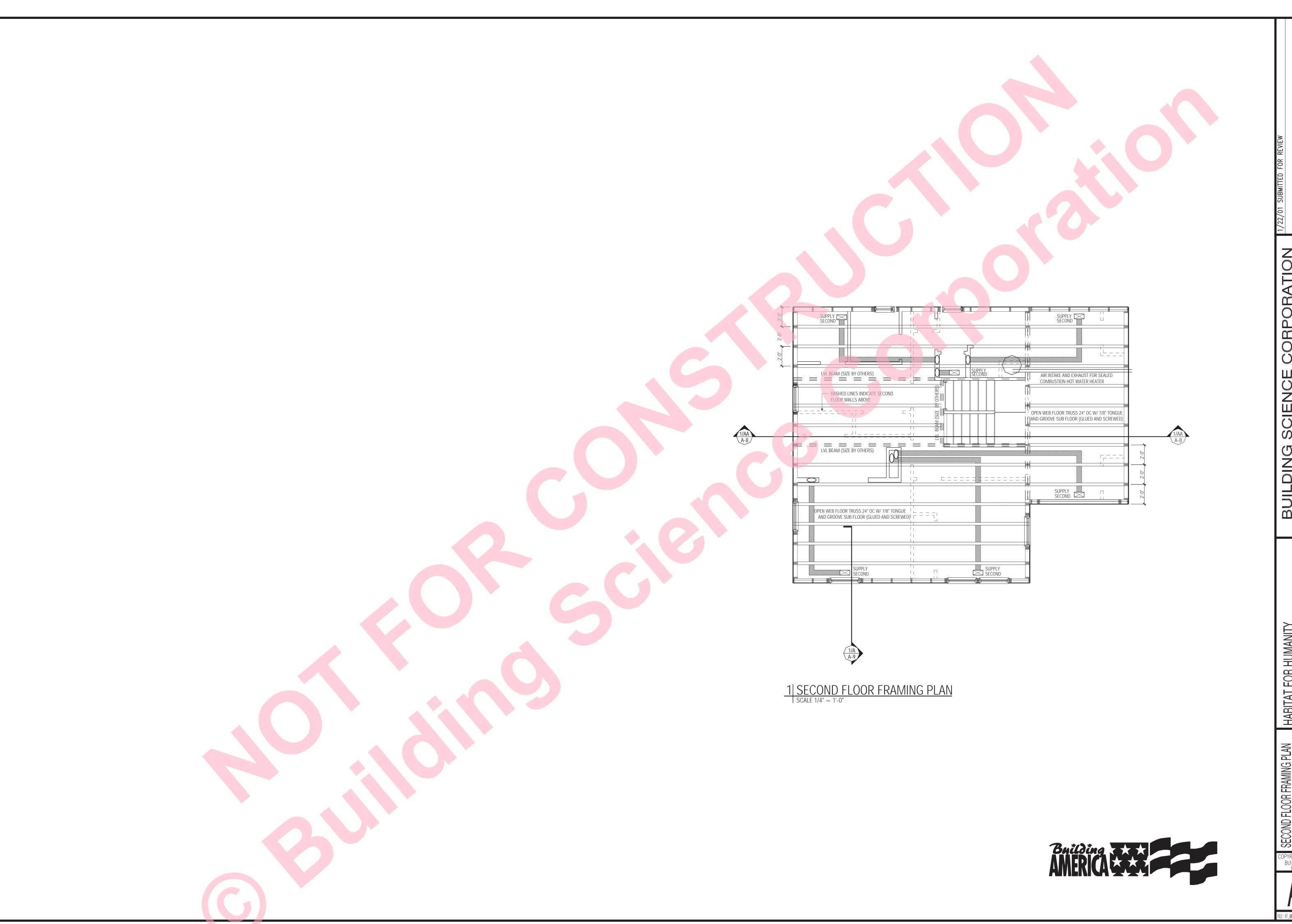
13TH AVENUE AND NELSON STREET,

|----J

FIRST FLOOR PLAN
WALL FRAMING ELEVATIONS
HOUSE 2
SCALE AS NOTED

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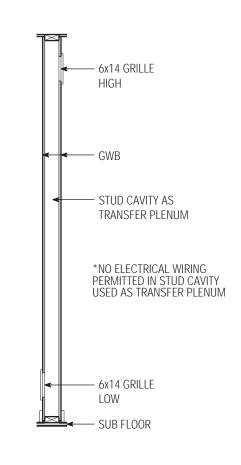
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13TH AVENUE AND NELSON STR

SECOND FLOOR FRAMING PLAN
HVAC DUCT LAYOUT
HOUSE 2

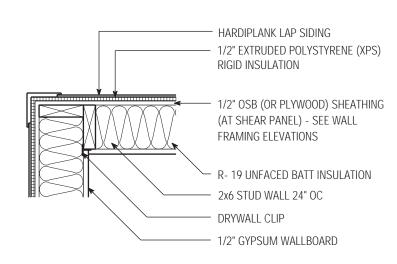
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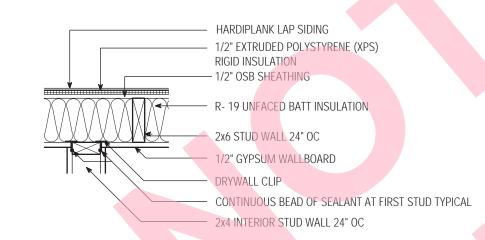


4 DETAIL AT TRANSFER GRILLE | SCALE 1/2" = 1'-0"

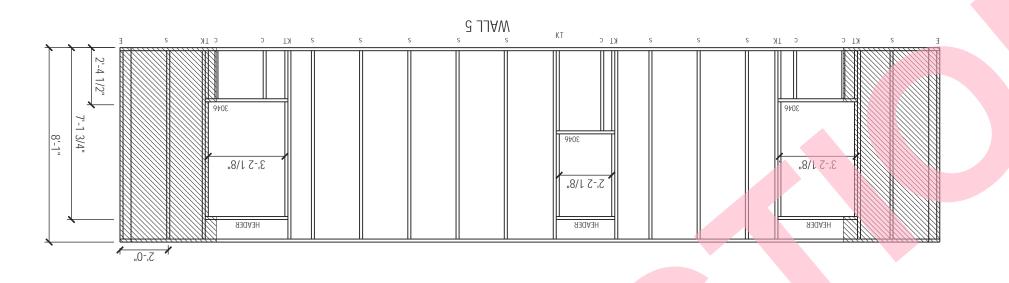
- NOTE 1: TRANSFER GRILLES PROVIDE PRESSURE RELIEF / PRESSURE EQUALIZATION BETWEEN CLOSED ROOMS AND COMMON AREAS
- NOTE 2: DOORS TO BE UNDERCUT 1/2" BETWEEN TOP OF FINISH FLOOR
- NOTE 3: USE ZENON PRESSURE RELIEF VENT (USED AS ALTERENATE TO FIELD CONSTRUCTED MODEL AS SHOWN ABOVE) 800-222-5932 FAX 508-295-8105

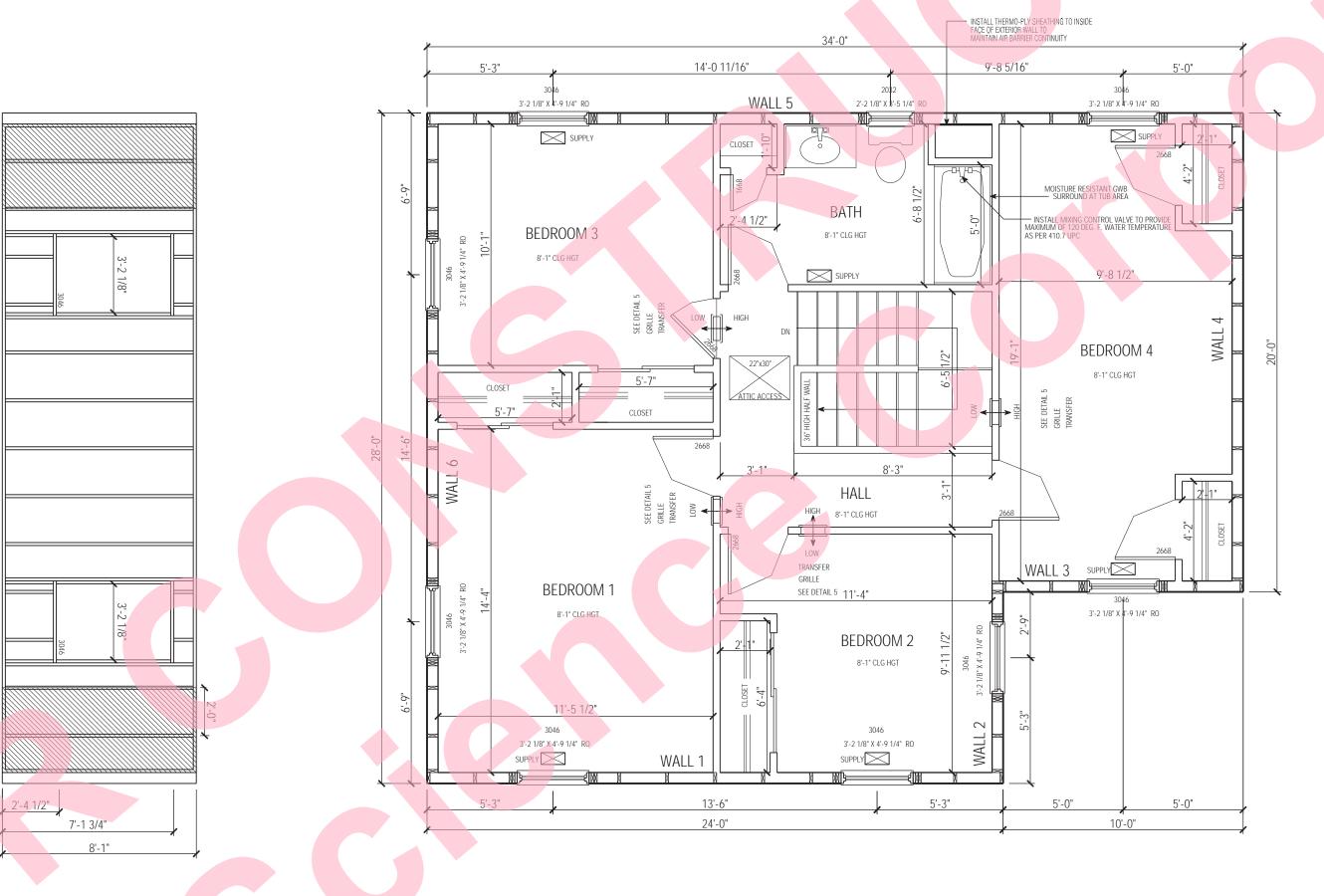


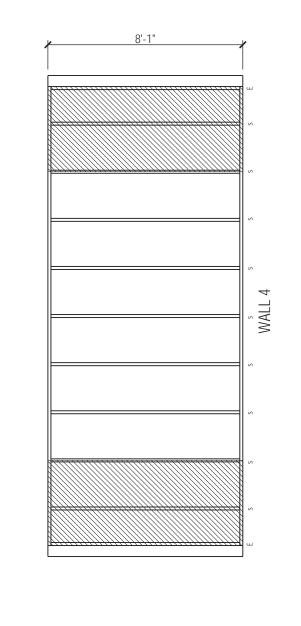
3 FRAME @ 2 STUD CORNER (plan) | SCALE 1" = 1'-0"



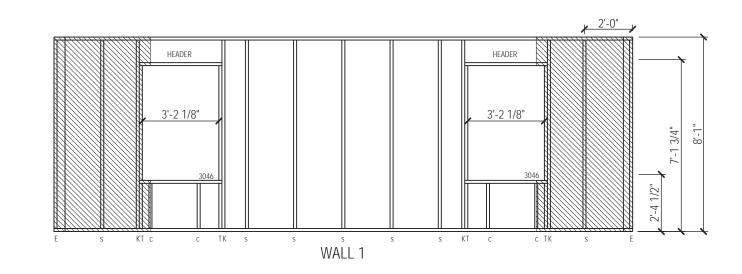
2 FRAME @ INTERIOR WALL (plan) | SCALE 1" = 1'-0"

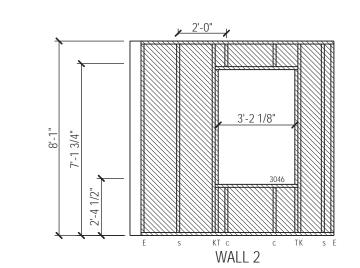






1 SECOND FLOOR PLAN / WALL FRAMING PLAN (752 SQ. FT.) | SCALE 1/4" = 1'-0"







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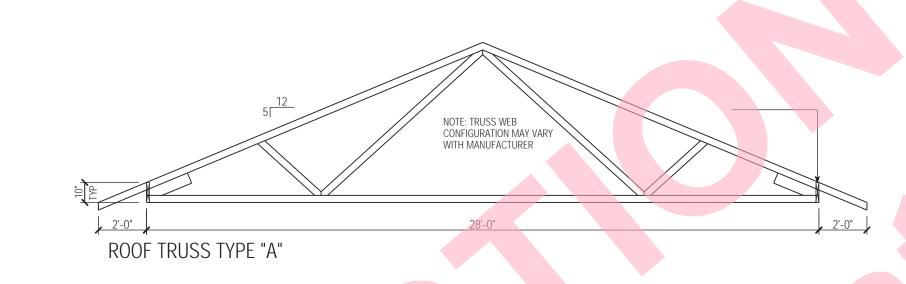
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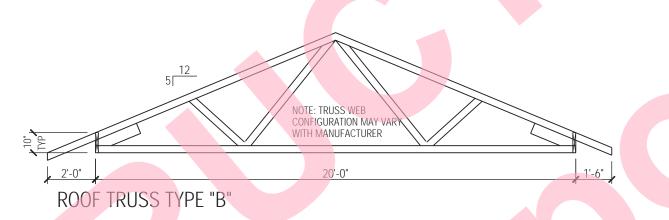
13TH AVENUE AND NELSON STR

SECOND FLOOR PLAN
WALL FRAMING ELEVATIONS
HOUSE 2

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2 ROOF TRUSS SCHEDULE
| SCALE 1/4" = 1'-0"

TRUSS DESIGN / INSTALLATION SPECIFICATIONS

- TRUSS SIZES TO BE VERIFIED BY TRUSS MANUFACTURER - TRUSS SPACING 2'-0" OC

- SHOP DRAWINGS BEARING A REGISTERED ENGINEER'S CERTIFICATION SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL. SHOP DRAWINGS SHALL INCLUDE: SPECIES, SIZE, GRADE OF LUMBER,

AND CONNECTOR PLATE SIZE AND ORIENTATION FOR EACH TRUSS TYPE. - ALL LUMBER USED IN THE FABRICATION OF THE TRUSSES SHALL BE STRESS GRADED AND SHALL BE OF THE SPECIES, SIZE, AND GRADE SPECIFIED IN THE TRUSS DESIGN.

- ALL CONNECTOR PLATES SHALL BE STAMPED FROM 16, 18, OR 20 GAUGE, Grade A, Galvanized Structural Steel.

- BOTH PLATE WIDTH AND LENGTH MUST EQUAL OR EXCEED THAT SPECIFIED IN THE TRUSS DESIGN. - TRUSSES SHALL BE FABRICATED IN ACCORDANCE WITH THE TRUSS DESIGN FROM ACCURATELY CUT WOOD MEMBERS CLAMPED IN RIGID FIXTURES DURING ASSEMBLY TO ENSURE TIGHT FITTING JOINTS AND UNIFORMITY IN COMPLETED

TRUSS UNITS. - CONNECTOR PLATES ARE TO BE PRESSED INTO THE WOOD MEMBERS ON BOTH SIDES OF THE TRUSS AT EACH JOINT SO THAT FULL PENETRATION OF THE TEETH IS OBTAINED WITHOUT CRUSHING THE OUTER SURFACE OF THE WOOD - EXERCISE CARE AT ALL TIMES TO AVOID DAMAGE TO TRUSSES DUE TO CARELESS HANDLING DURING STORAGE, DELIVERY, UNLOADING, AND INSTALLATION. - TRUSSES SHALL BE INSTALLED PLUMB, ADEQUATELY BRACED, IN PROPER ORIENTATION, AND AT THE SPACING SPECIFIED IN THE TRUSS DESIGN. - CUTTING OF TRUSS MEMBERS OR FIELD ALTERATIONS OF ANY TRUSS OR PART

OF TRUSS IN NOT PERMITTED.

PROVIDE SOLID BLOCKING BETWEEN ROOF TRUSSES - TYPICAL WOOD ROOF TRUSSES 24" OC TRUSS TYPE "A"

1 ROOF FRAMING PLAN SCALE 1/4" = 1'-0"

CONTINUOUS RIDGE VENT — 1'-0" OVERHANG AT RAK

> - 1'-6" OVERHANG AT EVE CONTINUOS VINYL SOFFIT

3 ROOF PLAN
SCALE 1/4" = 1'-0"

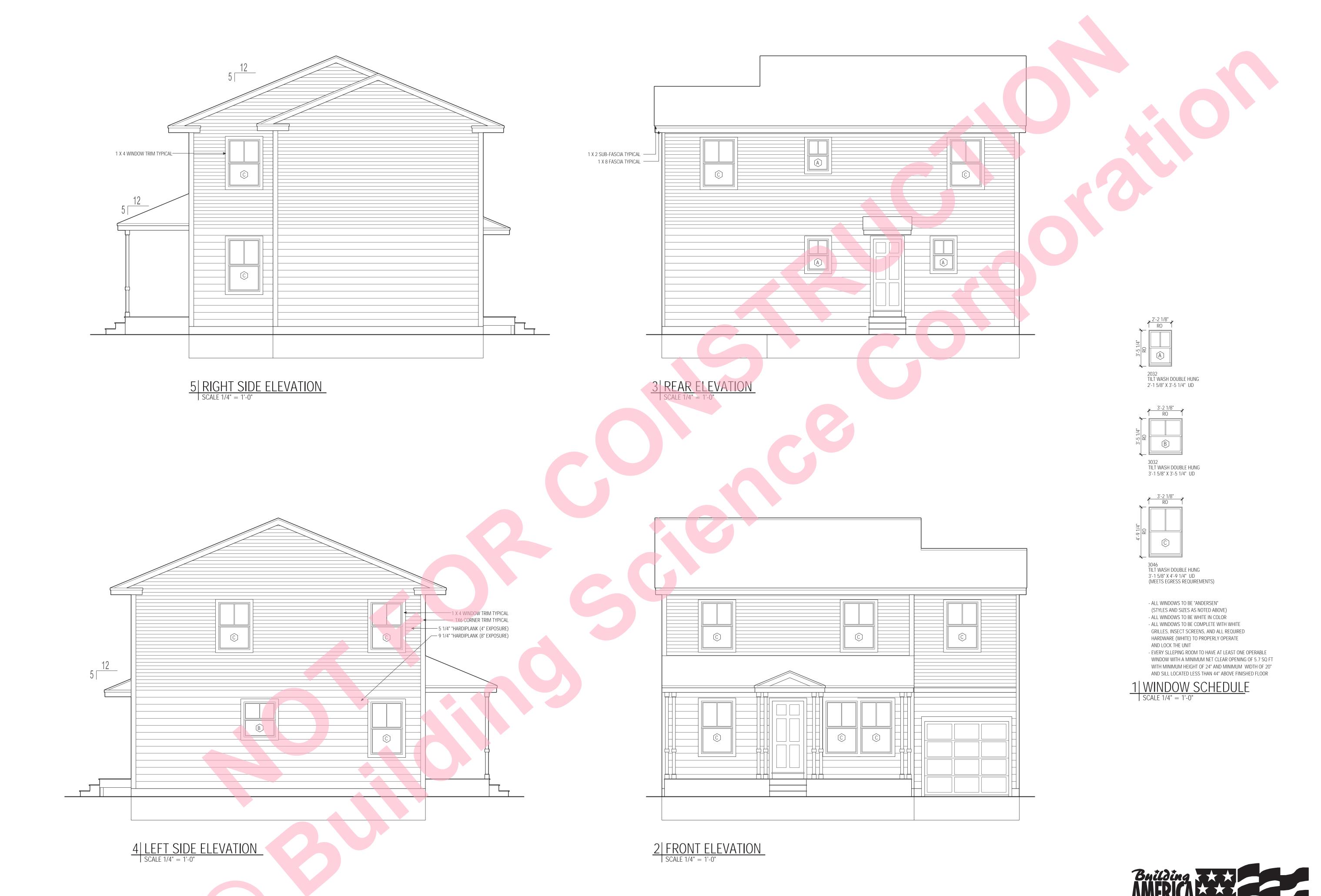
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ROOF FRAMING PLAN
ROOF PLAN
ROOF PLAN
HOUSE 2





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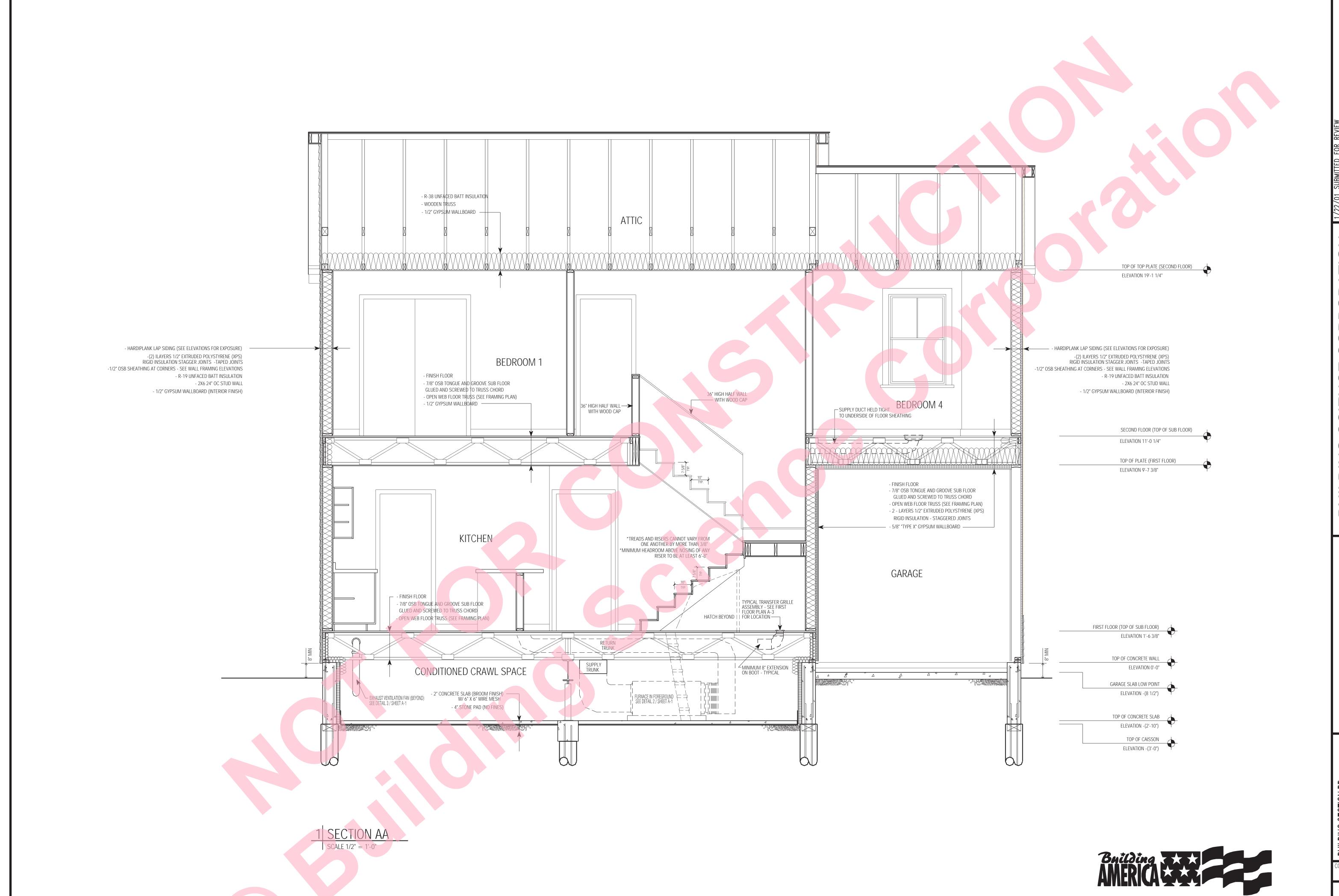
BUILDING ELEVATIONS

WINDOW SCHEDULE

HOUSE 2

SCALE AS NOTED

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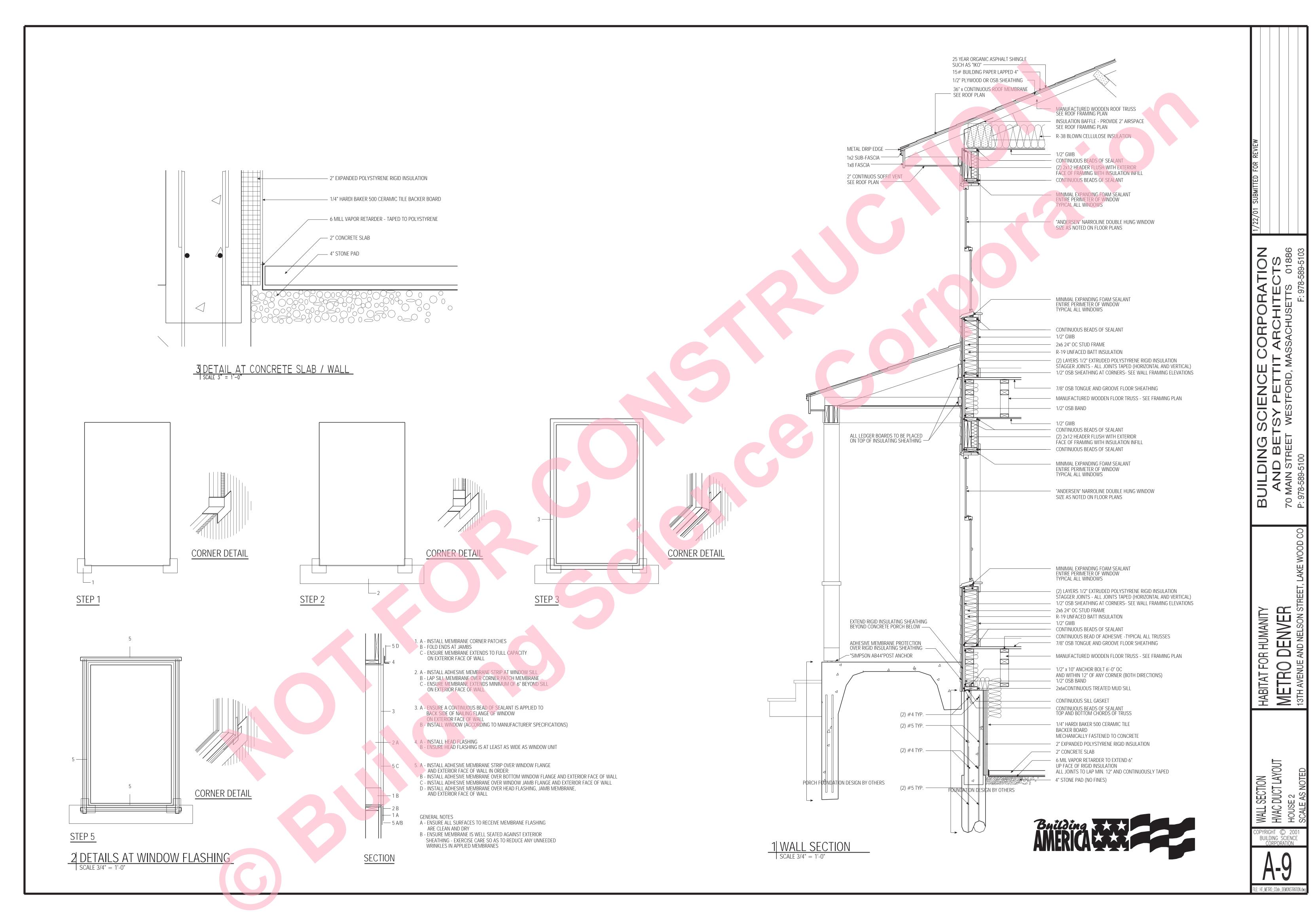
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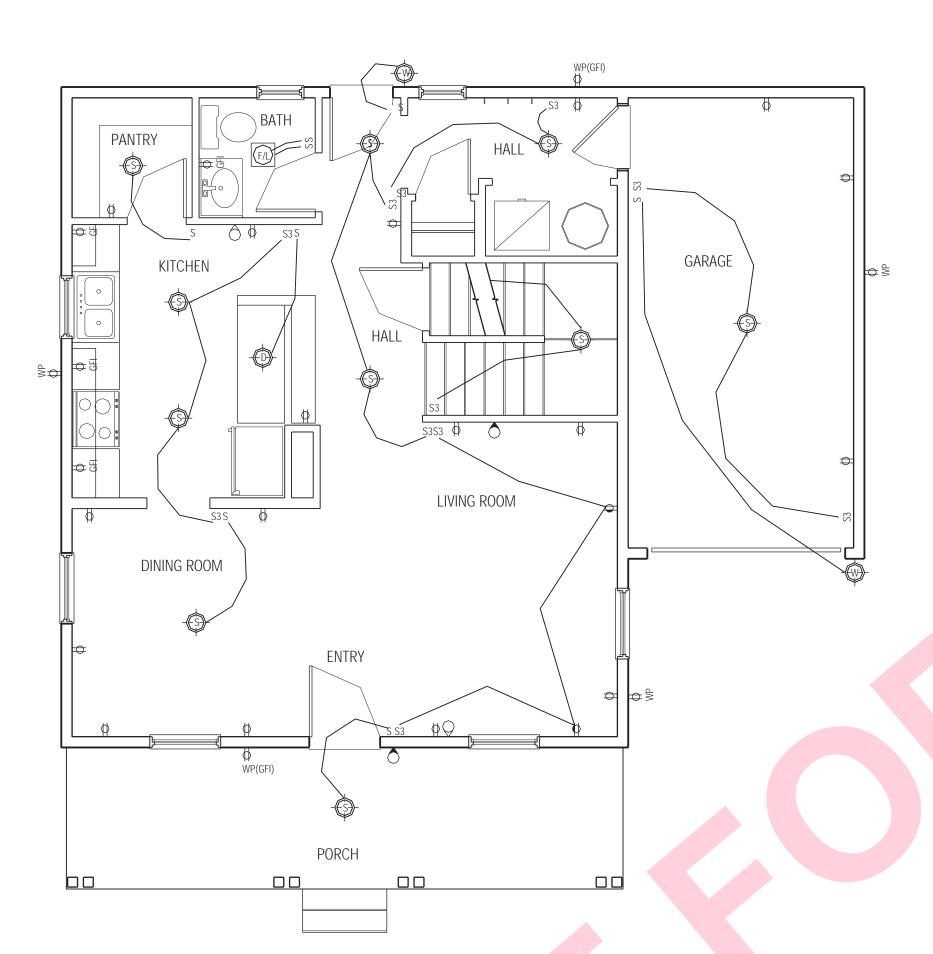
13TH AVENUE AND NELSON STREET, LAKE

BUILDING SECTION BB
WALL SECTION A
HOUSE 2
SCALE AS NOTED

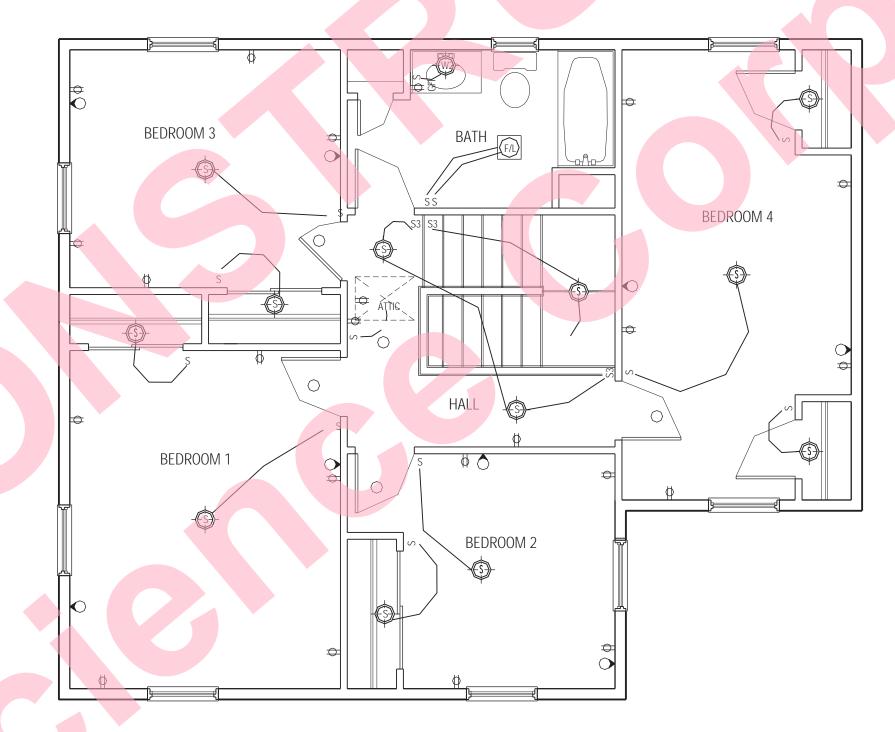
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A O





2 FIRST FLOOR ELECTRICAL PLAN
| SCALE 1/4" = 1'-0"



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

	ELECTRICAL LEGEND
(S)	SURFACE MOUNTED LIGHT FIXTURE
₩1)	WALL MOUNTED LIGHT FIXTURE (EXTERIOR)
(W2)	WALL MOUNTED LIGHT FIXTURE (INTERIOR)
R	RECESSED LIGHT FIXTURE
F	DUAL FLOOD LIGHT W/ MOTION SENSOR
(D)	DROPPED FIXTURE
(F/L)	"PANASONIC" WHISPERLITE 70FV-07VQL
>	DOOR BELL
>	CABLE TV JACK
\Diamond	TELEPHONE JACK
0	SMOKE DETECTOR (HARDWIRED W/ BATTERY BACKUP)
ф	110 VAC DUPLEX
ф	110 VAC DUPLEX (BOTTOM SWITCHED)
∯ GFI	110 VAC GROUND FAULT INTERCEPT
⇔ WP	110 VAC WEATHER PROOF (GROUND FAULT PROTECTED)
S	LIGHT SWITCH
S3	3 WAY LIGHT SWITCH

NOTES
1. ALL OUTLETS AND LIGHTS IN EXTERIOR WALLS AND THE SECOND FLOOR CEILING TO HAVE AIRTIGHT ELECTRICAL BOXES

2. ALL SWITCHED OUTLETS TO BE BOTTOM OF DUPLEX OUTLET

3. RECEPTACLE OUTLETS TO BE MINIMUM OF 12'-0" OC ALONG
WALLS OF ALL HABITABLE ROOMS

4. ALL KITCHEN COUNTERS WIDER THAN 12" TO HAVE PROTECTED OUTLETS

A MINIMUM OF 24" OC

5. A MINIMUM OF (2) 20 AMP SMALL APPLIANCE BRANCH CIRCUITS IN KITCHEN, PANTRY, DINING ROOM, OR SIMILAR AREA (MAX 3 OUTLETS PER CIRCUIT)

6. A MAXIMUM (8) OUTLETS PER 15 AMP BRANCH CIRCUIT AND 10 OUTLETS PER

20 AMP BRANCH CIRCUIT

20 AMP BRANCH CIRCUIT
7. ALL LIGHT FIXTURES IN CLOSETS TO COMPLY WITH ARTICLE 410-8, NEC
8. OUTLET IS REQUIRED WITHIN 6" OF DOOR OPENING ON END OF WALL
AS PER ARTICLE 210-529 NEC
9. AN "UFER" GROUND IS REQUIRED AS A PART OF THE GROUNDING ELECTRODE SYSTEM.
THIS GROUND CONSISTS OF A MINIMUM 20' LENGTH OF ELECTRICALLY CONDUCTIVE #4
REINFORCING BAR ENCASED BY AT LEAST 2" OF CONCRETE AND LOCATED NEAR THE
BOTTOM OF A CONCRETE FOUNDATION OR FOOTING THAT IS IN DIRECT CONTACT WITH
THE EARTH.



HABITAT FOR HUMANITY

METRO DENVER

13TH AVENUE AND NELSON STF

ELECTRICAL PLAN FIRST & SECOND FLOOR

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