

Project Data Sheet 6

Newman Residence

Stone Ridge, NY

2012 - 2013

1850 sf before --> 1850 sf renovated or no work + 300 sf addition = 2150 sf

Scope of work:

Remove partial second floor of c.1940s cottage and build new second floor, upgrading structure and insulation

Insulation/Envelope: R-12 min. closed cell spray foam over crawl space dirt and R-15 min. over crawl space walls with R-24 min. spray foam at floor rim joists, or 2" (R-10) XPS rigid insulation on exterior of existing slab-on-grade, (2) layers of 2" rigid insulation with taped, staggered joints on wall exteriors (R-26) with no insulation in wall framing, 4" closed cell spray foam in rafters + 7" open cell spray foam (R-50)

HVAC: Heat Recovery Ventilator, air-source heat pump

Solar: None, site not suitable

Envelope: Estimated air-tightness before renovation: ~ 6 ACH (air changes per hour)
Air-tightness after: 1.7 ACH
HERS index after: 47

Cost data: Estimated energy use before renovation: ~ \$5500 per year
Estimated energy use after: ~ \$2300 per year (58% reduction)

Builder: Integral Building & Design, Inc. - Pasquale Strocchia
Greenhill Contracting, Inc. - Anthony Aebi



Google earth

feet
meters



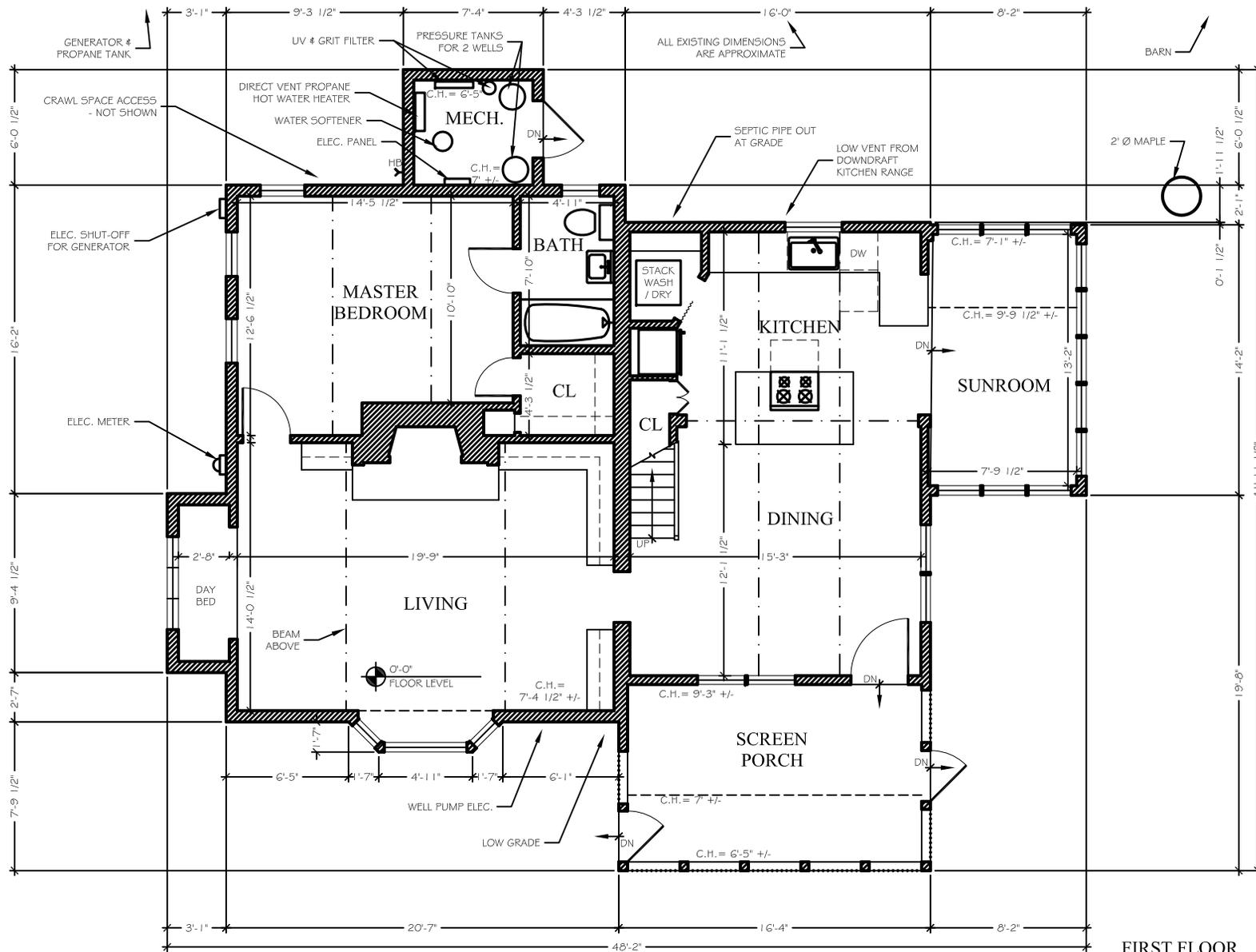






THE HOME





| | |
|--------------|-------------|
| FIRST FLOOR | 1174 SF +/- |
| SECOND FLOOR | 679 SF +/- |
| TOTAL | 1853 SF +/- |
| SCREEN PORCH | 158 SF +/- |

1 EXISTING FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

**RENOVATION FOR
GARY NEWMAN
169 BUCK ROAD STONE RIDGE, NY
TOWN OF MARBLETOWN**

BOLDER ARCHITECTURE, PLLC
DAVID TODER ARCHITECT / CRAFTSMAN

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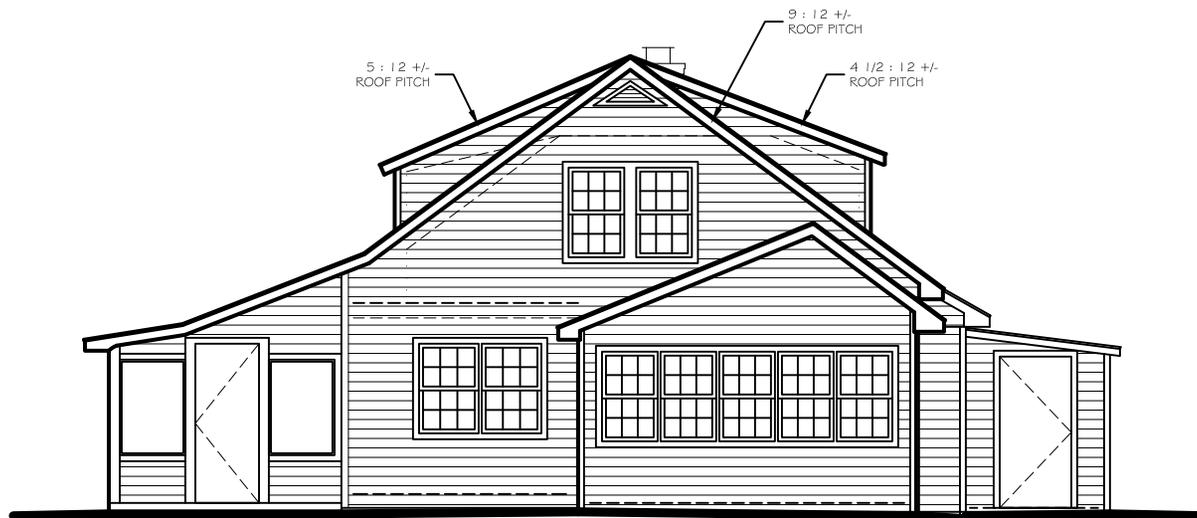
3 EXISTING SOUTH-EAST ELEVATION
SCALE: 1/8" = 1'-0"

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4

EXISTING NORTH-EAST ELEVATION

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

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5

EXISTING NORTH-WEST ELEVATION

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

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6 EXISTING SOUTH-WEST ELEVATION
SCALE: 1/8" = 1'-0"

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RENOVATION / ADDITION

for

Gary Newman ~ Cheerio Cottage

169 Buck Road Stone Ridge, New York 12484 Town of Marbletown

RENOVATION / ADDITION
FOR

GARY NEWMAN

- CHEERIO COTTAGE -

169 BUCK ROAD
STONE RIDGE, NY 12484

TOWN OF MARBLETOWN

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REVISION DATE DESCRIPTION

#1 12/17/12 AS-BUILT SET

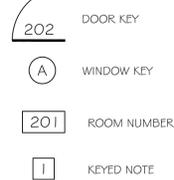
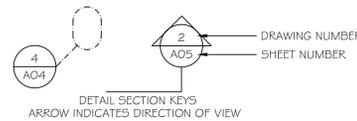
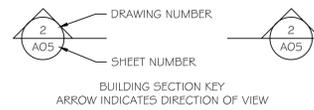
INTEGRAL BUILDING & DESIGN
INCORPORATED

PASQUALE STROCCHIA

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845-255-0418 Pasquale@IntegralBuilding.com

ABBREVIATIONS & SYMBOLS

| | |
|------------|--------------------------------------|
| A.F.F. | ABOVE FINISH FLOOR |
| ALUM | ALUMINUM |
| AMP | AMPERE |
| APPROX. | APPROXIMATELY |
| C.H. | CEILING HEIGHT |
| C.I.P. | CAST IN PLACE |
| CL. | CLOSET |
| CMU | CONCRETE MASONRY UNIT |
| CONC. | CONCRETE |
| CT | CERAMIC TILE |
| Ø | DIAMETER |
| DF | DOUGLAS FIR |
| DN | DOWN |
| D.W. | DISHWASHER |
| ELEC | ELECTRIC / ELECTRICAL |
| ELEV | ELEVATION |
| EQ. | EQUAL |
| EXG | EXISTING |
| ICF | INSULATED CONCRETE FORM |
| FL | FLOOR |
| FT | FEET |
| GALV. | GALVANIZED |
| GWB | GYPSUM WALL BOARD - SHEETROCK |
| HB | HOSE BIB - FROST FREE |
| HM | HOLLOW METAL |
| ICFs | INSULATED CONCRETE FORMS |
| INSUL | INSULATION |
| INT. ELEV. | INTERIOR ELEVATION |
| LVL | LAMINATED VENEER LUMBER |
| MARB | MARBLE |
| MAX. | MAXIMUM |
| MECH. | MECHANICAL |
| MIL | MILLIMETER |
| MIN. | MINIMUM |
| M.O. | MASONRY OPENING |
| MR. GWB | MOISTURE RESISTANT GYPSUM WALL BOARD |
| N.I.C. | NOT IN CONTRACT |
| N.T.S. | NOT TO SCALE |
| O.C. | ON CENTER |
| OSB | ORIENTED STRAND BOARD |
| PLY | PLYWOOD |
| POLY | POLYURETHANE |
| P.O.S. | POINT OF SUPPORT |
| PREP | PREPARE |
| PSF | POUNDS PER SQUARE FOOT |
| PSI | POUNDS PER SQUARE INCH |
| PT | PRESSURE TREATED |
| REQ. | REQUIRED |
| R.O. | ROUGH OPENING |
| R.O.B. | RUN OF BANK |
| SF | SQUARE FEET |
| SPP | SPRUCE-PINE-FIR |
| TOD | TO BE DETERMINED |
| T&G | TONGUE & GROOVE |
| THRU | THROUGH |
| TYP | TYPICAL |
| VCB | VINYL COVE BASE |
| VSF | VINYL SHEET FLOORING |
| V.I.F. | VERIFY IN FIELD |
| W/ | WITH |
| WD | WOOD |
| W.W.M. | WOVEN WIRE MESH |



NOTE:
LEGEND MAY INCLUDE ABBREVIATIONS & SYMBOLS NOT USED IN THIS PROJECT.

ENERGY CONSERVATION

THE RENOVATION / ADDITION OF THE EXISTING SINGLE FAMILY RESIDENCE DESCRIBED IN THESE DRAWINGS COMPLIES WITH ALL APPLICABLE REQUIREMENTS OF THE 2010 ENERGY CONSERVATION CONSTRUCTION CODE CHAPTER 4 FOR RESIDENTIAL ENERGY EFFICIENCY AS SPECIFIED IN TABLE 402.1.1 INSULATION & FENESTRATION REQUIREMENTS BY COMPONENT FOR CLIMATE ZONE 6 & AS MODIFIED BY SECTION 402.2.1.

| | | |
|--|--------------------------------|---|
| FENESTRATION WOOD FRAME WALL FLOOR | U-FACTOR R-VALUE R-VALUE | REQUIRED 0.35 MAX. R-38 MIN. R-20 MIN. R-30 MIN. OR FULL-DEPTH OF JOISTS R-19 MIN. |
|--|--------------------------------|---|

DRAWING LIST

- T01 TITLE SHEET
- A01 FIRST & SECOND FLOOR PLANS, WINDOW & DOOR SCHEDULES, LIGHT & VENT CALCULATIONS
- A02 ELEVATIONS
- A03 CRAWL SPACE INSULATION PLAN & PLUMBING RISER DIAGRAMS
- S01 SECOND FLOOR & ROOF FRAMING PLANS & BUILDING SECTION

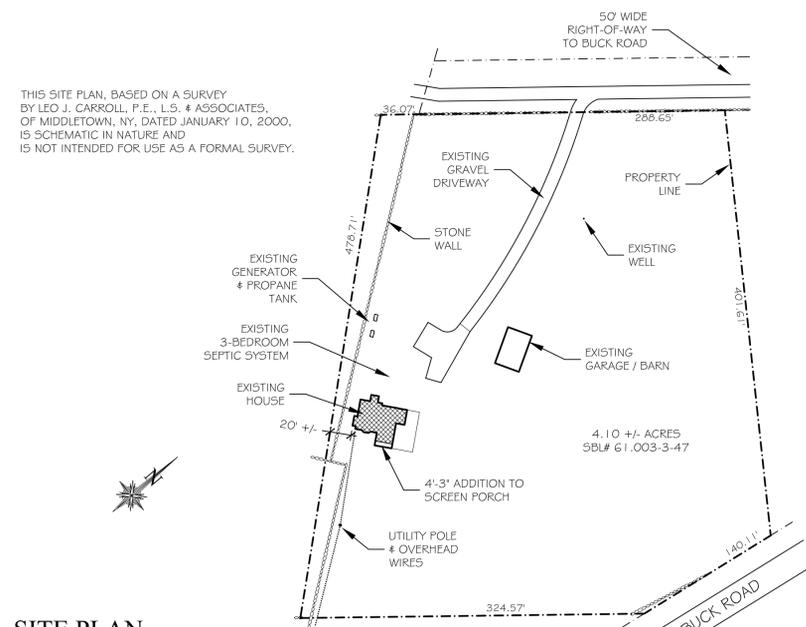
GENERAL NOTES

1. DO NOT SCALE DRAWINGS.
2. ALL MATERIALS AND METHODS OF CONSTRUCTION NOT SPECIFICALLY ADDRESSED IN THESE DRAWINGS AND SPECIFICATIONS SHALL COMPLY WITH THE MINIMUM STANDARDS OF THE CURRENT RESIDENTIAL CODE OF NEW YORK STATE, THE NYS ENERGY CONSERVATION CODE, THE TOWN OF MARBLETOWN, THE ULSTER COUNTY DEPARTMENT OF HEALTH AND THE NYS BOARD OF FIRE UNDERWRITERS.
3. CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL FROM THE SITE OF ALL CONSTRUCTION DEBRIS.

CLIMATE & GEOGRAPHIC DESIGN CRITERIA

| GROUND SNOW LOAD | WIND SPEED | SEISMIC DESIGN CATEGORY | SUBJECT TO DAMAGE FROM | | | | WINTER DESIGN TEMPERATURE | ICE SHIELD UNDERLAYMENT REQUIRED | FLOOD HAZARDS |
|------------------|------------|-------------------------|------------------------|------------------|-------------------|--------------------|---------------------------|----------------------------------|---------------|
| | | | WEATHERING | FROST LINE DEPTH | TERMITE | DECAY | | | |
| 50 PSF | 90 MPH | B | SEVERE | 48 IN | MODERATE TO HEAVY | SLIGHT TO MODERATE | 6 | YES | LL# 42009 |

SITE PLAN



1 SITE PLAN
SCALE: 1" = 80'

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PROJECT # 12-17 DATE: 12/17/12

T01

TITLE SHEET

RENOVATION / ADDITION
FOR

GARY NEWMAN

- CHEERIO COTTAGE -

169 BUCK ROAD
STONE RIDGE, NY 12484

TOWN OF MARBLETOWN

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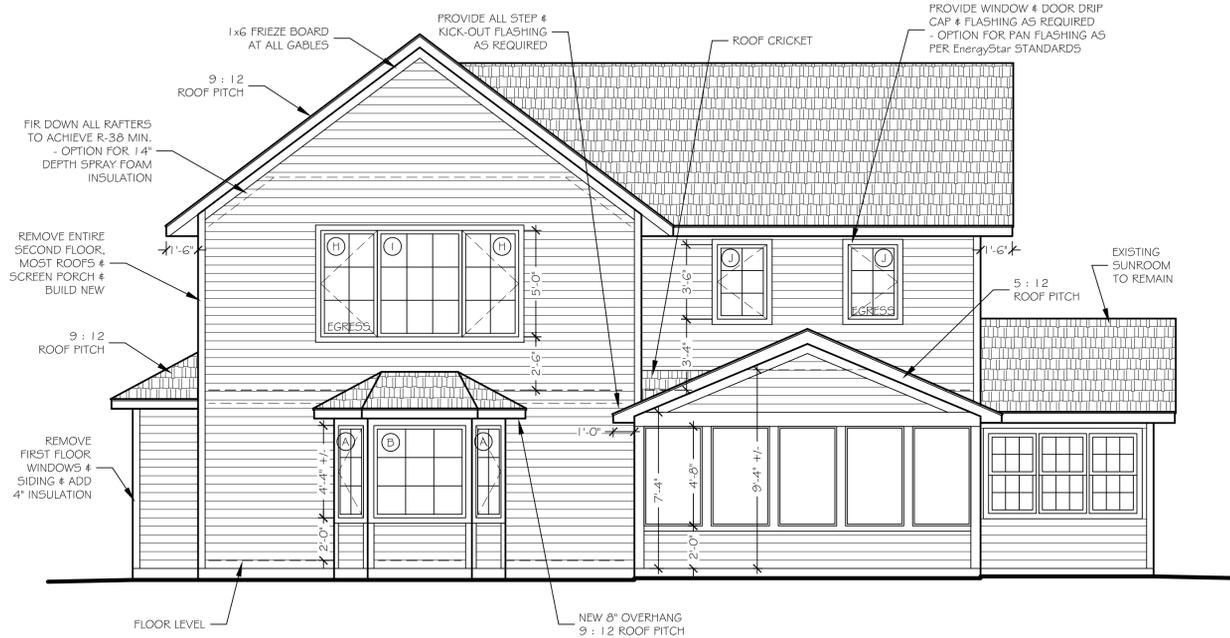
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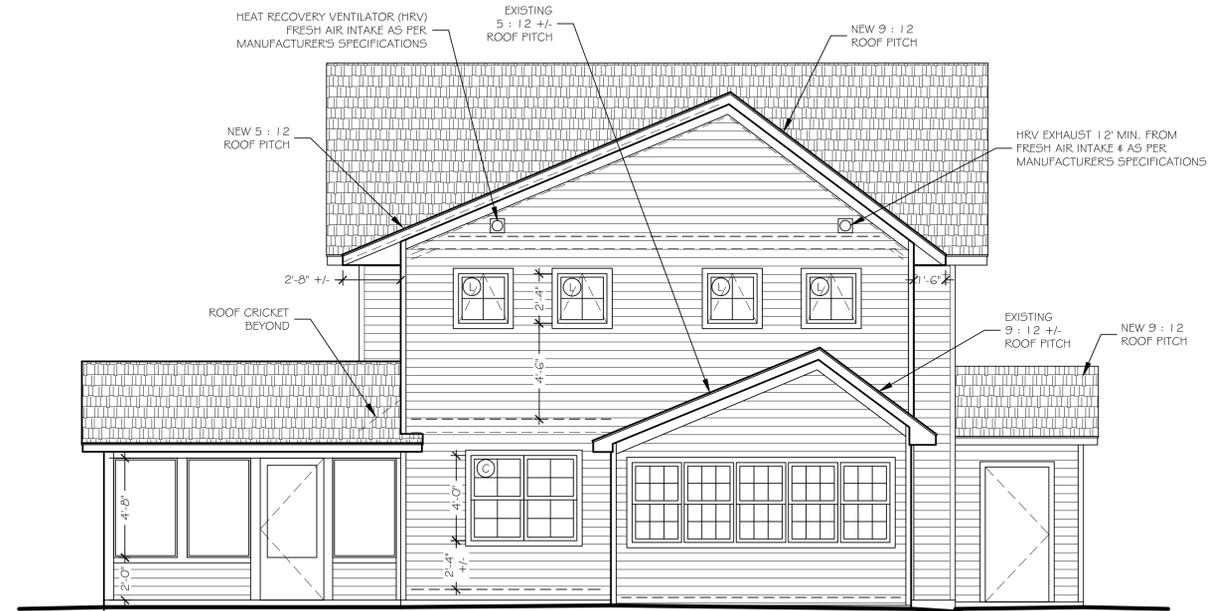
DATE: 12/17/12

A02

ELEVATIONS



1 SOUTH-EAST ELEVATION
SCALE: 1/4" = 1'-0"



2 NORTH-EAST ELEVATION
SCALE: 1/4" = 1'-0"



3 NORTH-WEST ELEVATION
SCALE: 1/4" = 1'-0"



4 SOUTH-WEST ELEVATION
SCALE: 1/4" = 1'-0"

RENOVATION / ADDITION
FOR

GARY NEWMAN

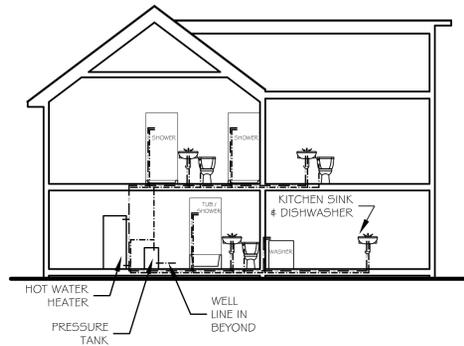
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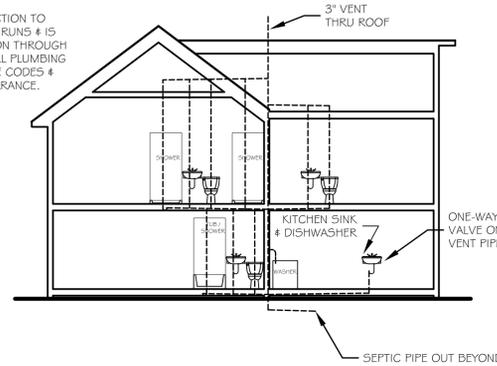
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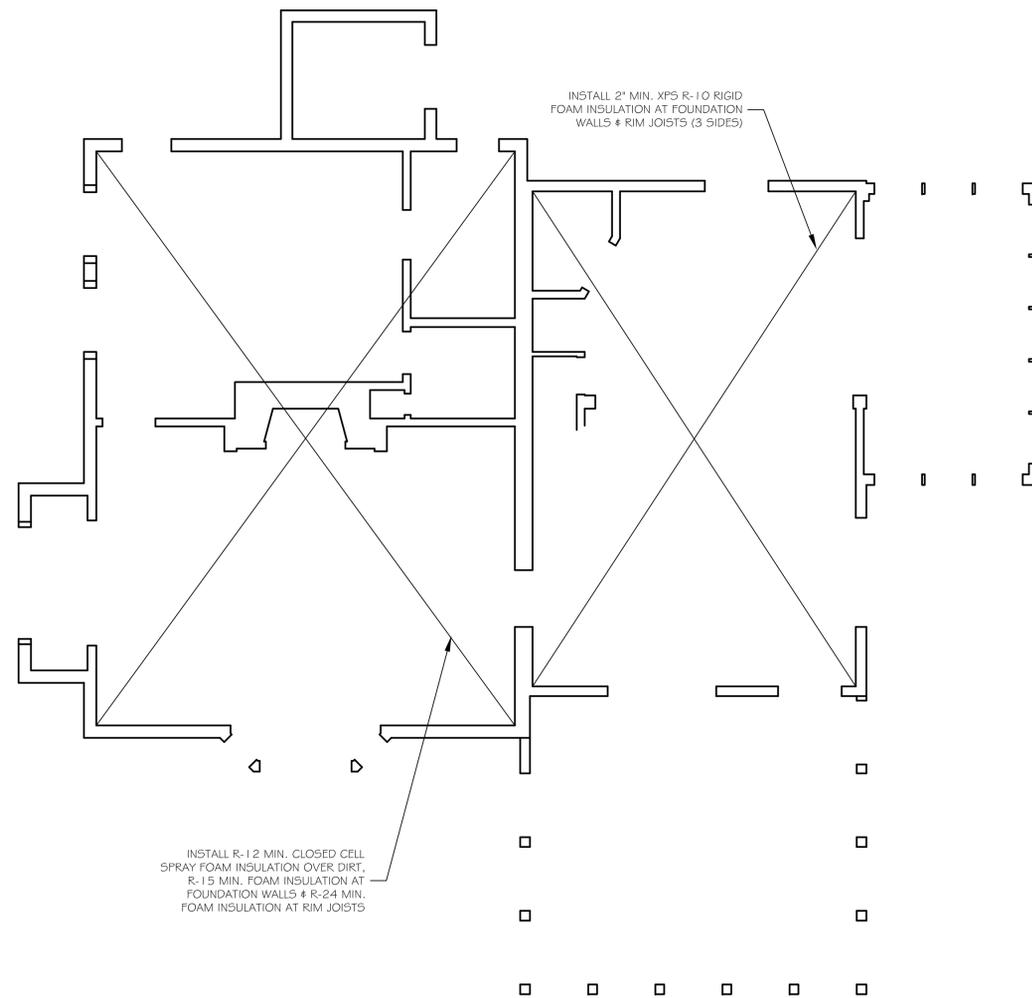


2 PLUMBING RISER DIAGRAM - SUPPLY
SCALE: 1/8" = 1'-0"

NOTE:
THIS DRAWING IS A COMPOSITE SECTION TO
GRAPHICALLY REPRESENT PLUMBING RUNS & IS
NOT INTENDED TO BE A TRUE SECTION THROUGH
ANY ONE PART OF THE BUILDING. ALL PLUMBING
SHALL COMPLY WITH ALL APPLICABLE CODES &
SHALL HAVE A NEAT FINISHED APPEARANCE.



3 PLUMBING RISER DIAGRAM - WASTE
SCALE: 1/8" = 1'-0"



1 CRAWL SPACE INSULATION PLAN
SCALE: 1/4" = 1'-0"

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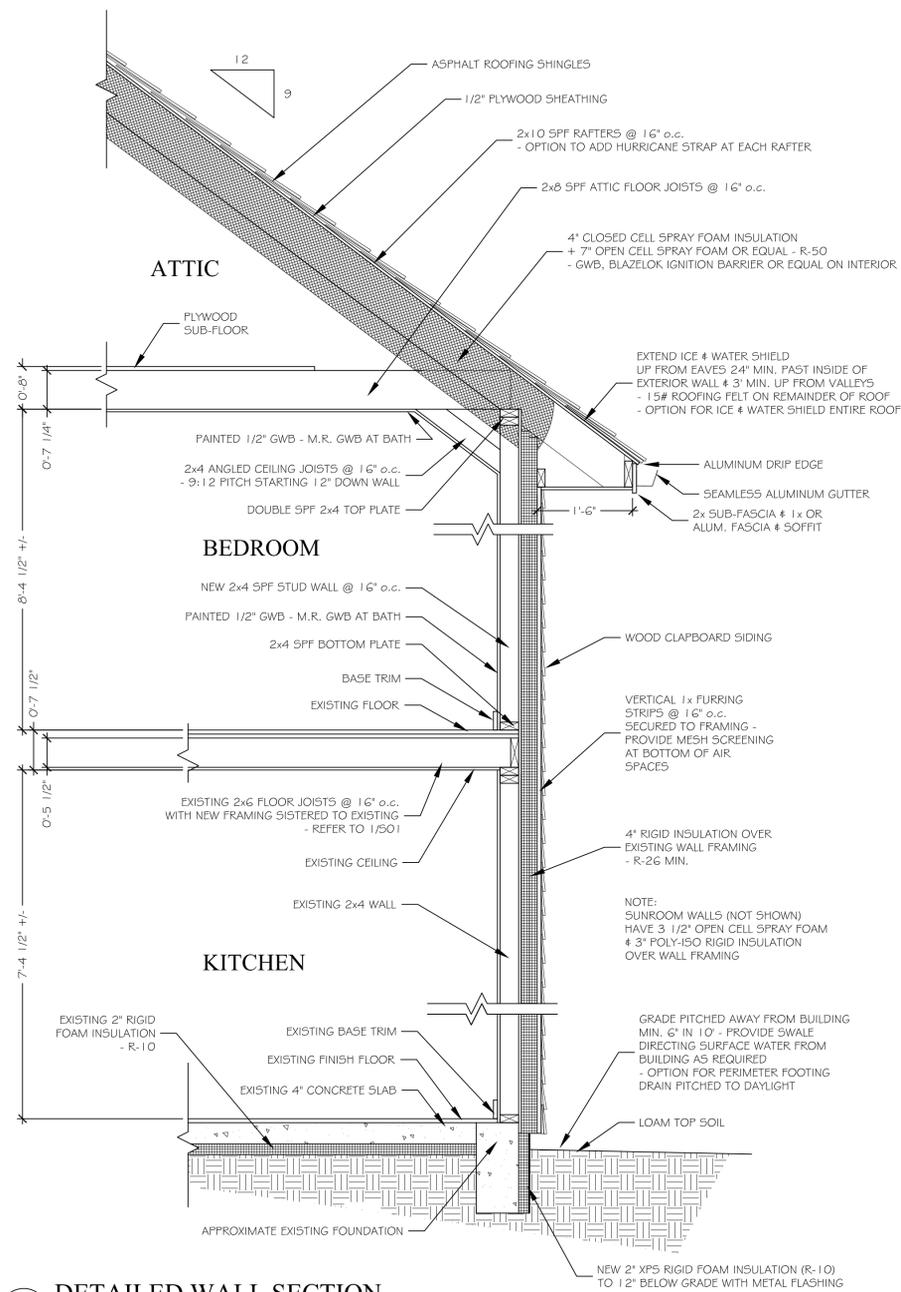
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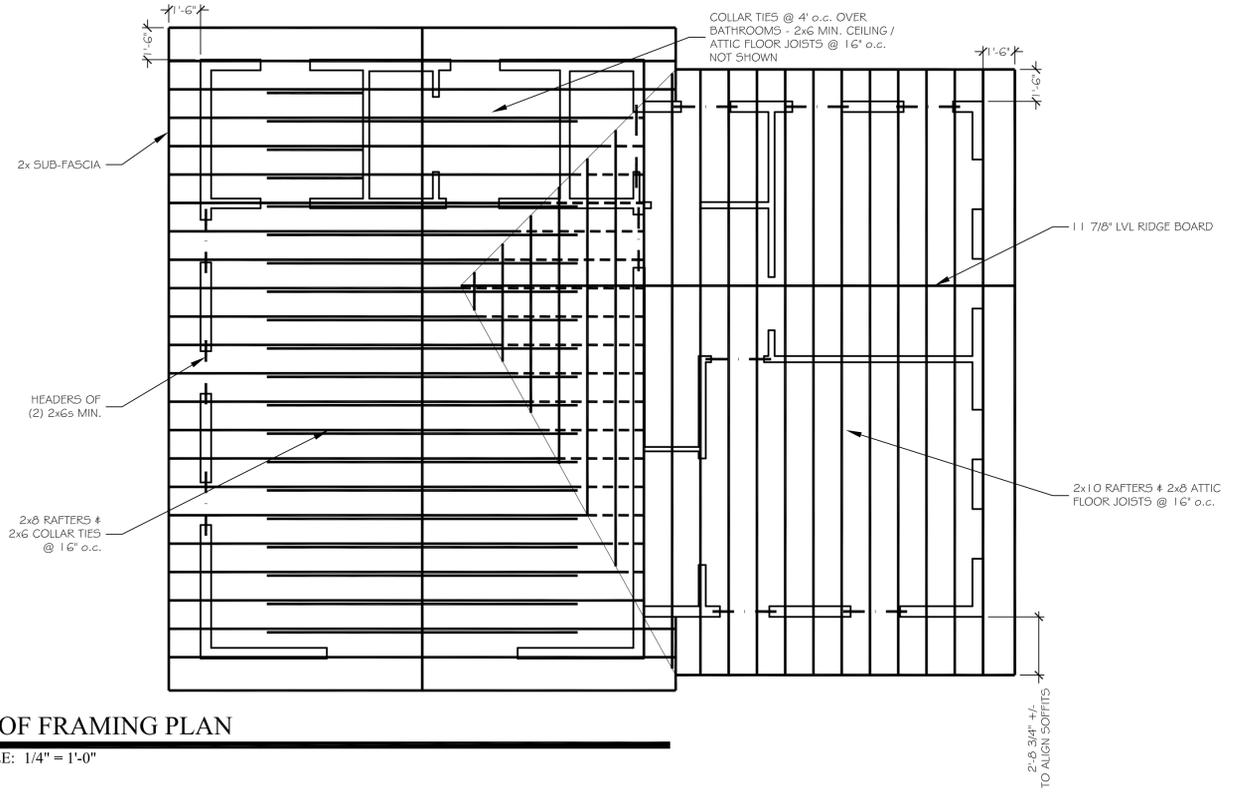
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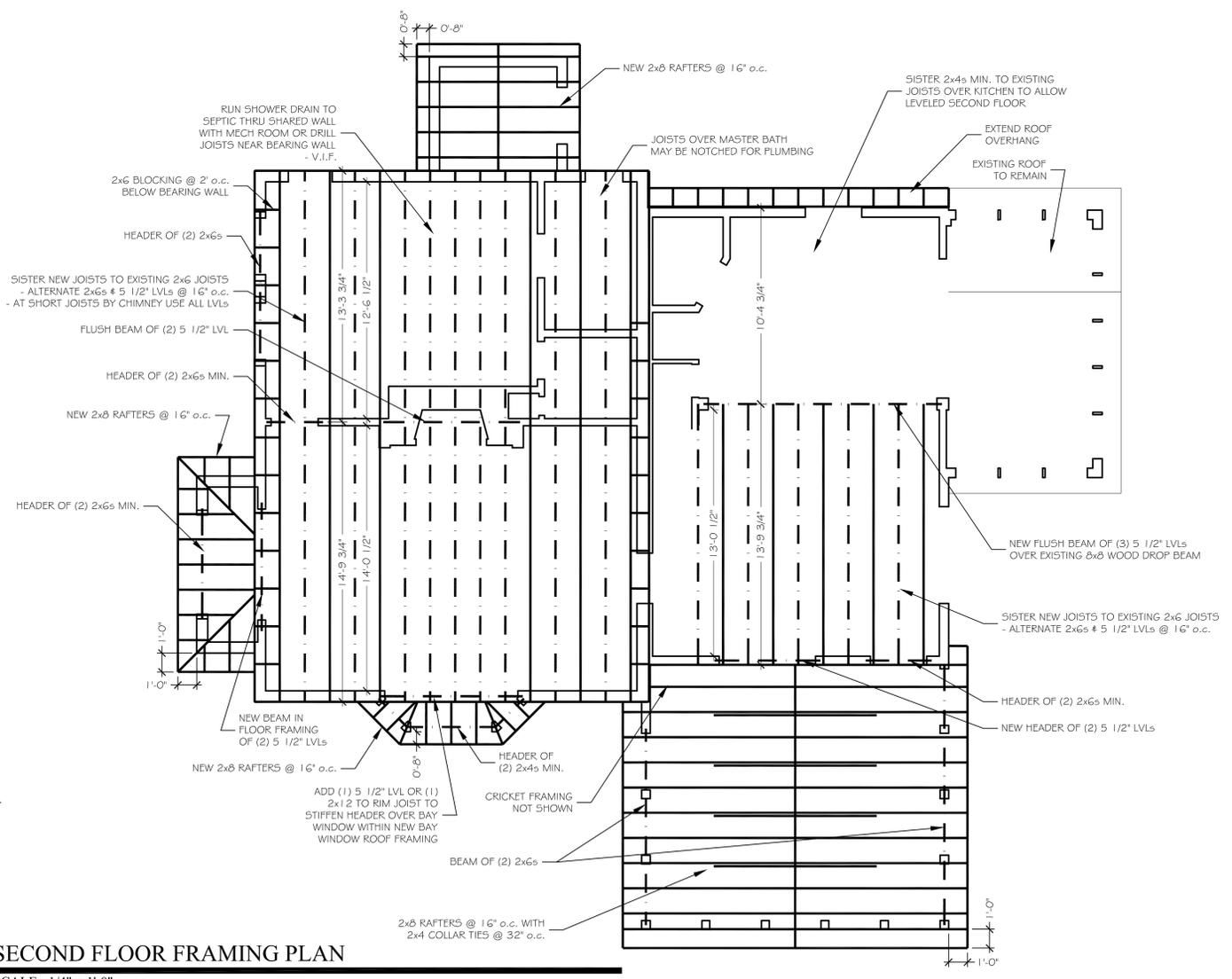
A03
CRAWLSPACE, PLUMB RISER



1 DETAILED WALL SECTION
SCALE: 1/2" = 1'-0"



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



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

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S01

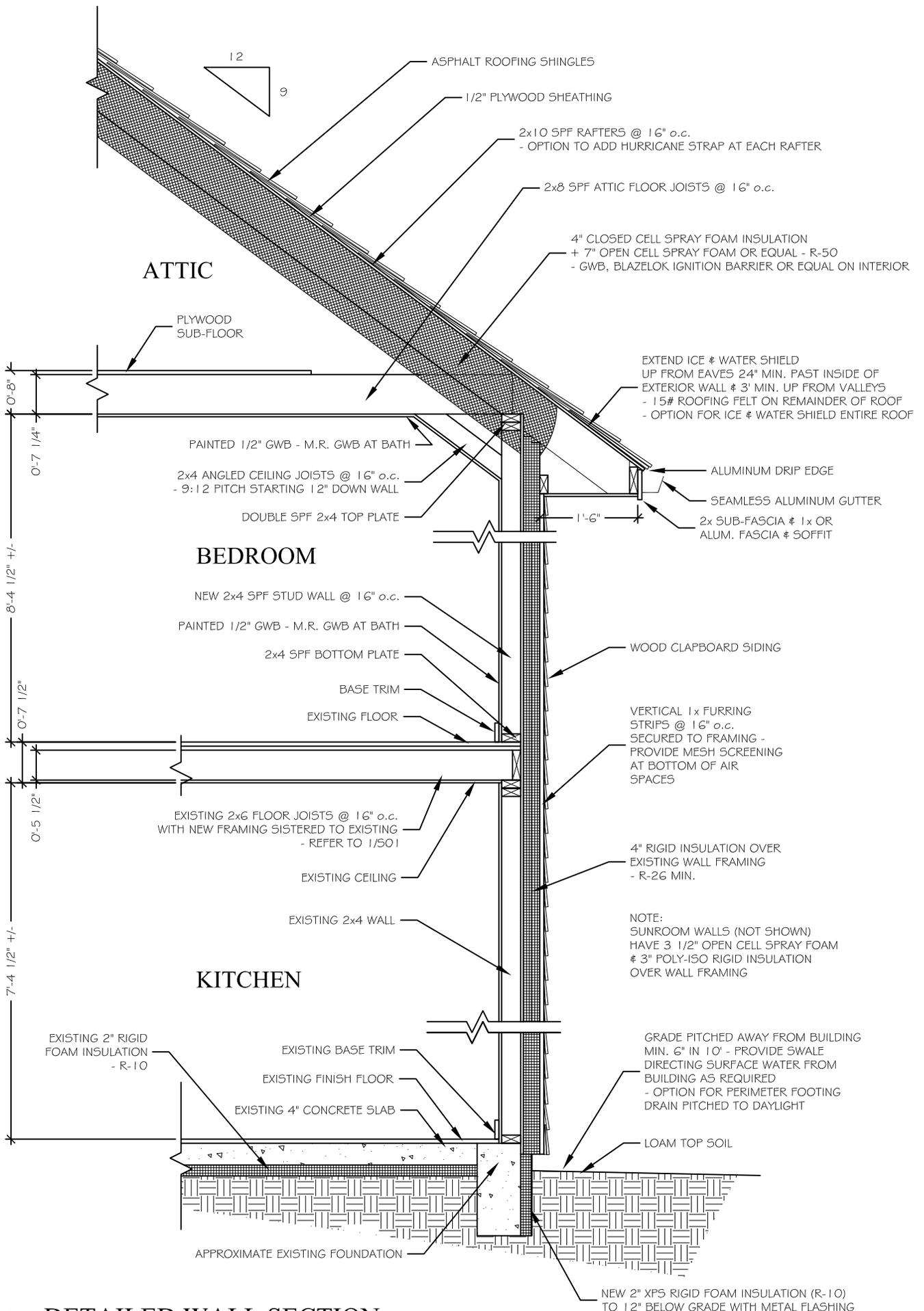
STRUCTURAL











1 DETAILED WALL SECTION

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





