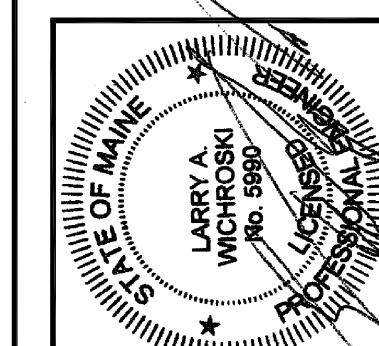


Building Renovations at  
223 Cumberland Avenue, Portland, Me.  
**4th FLOOR & ROOF FRAMING PLANS**

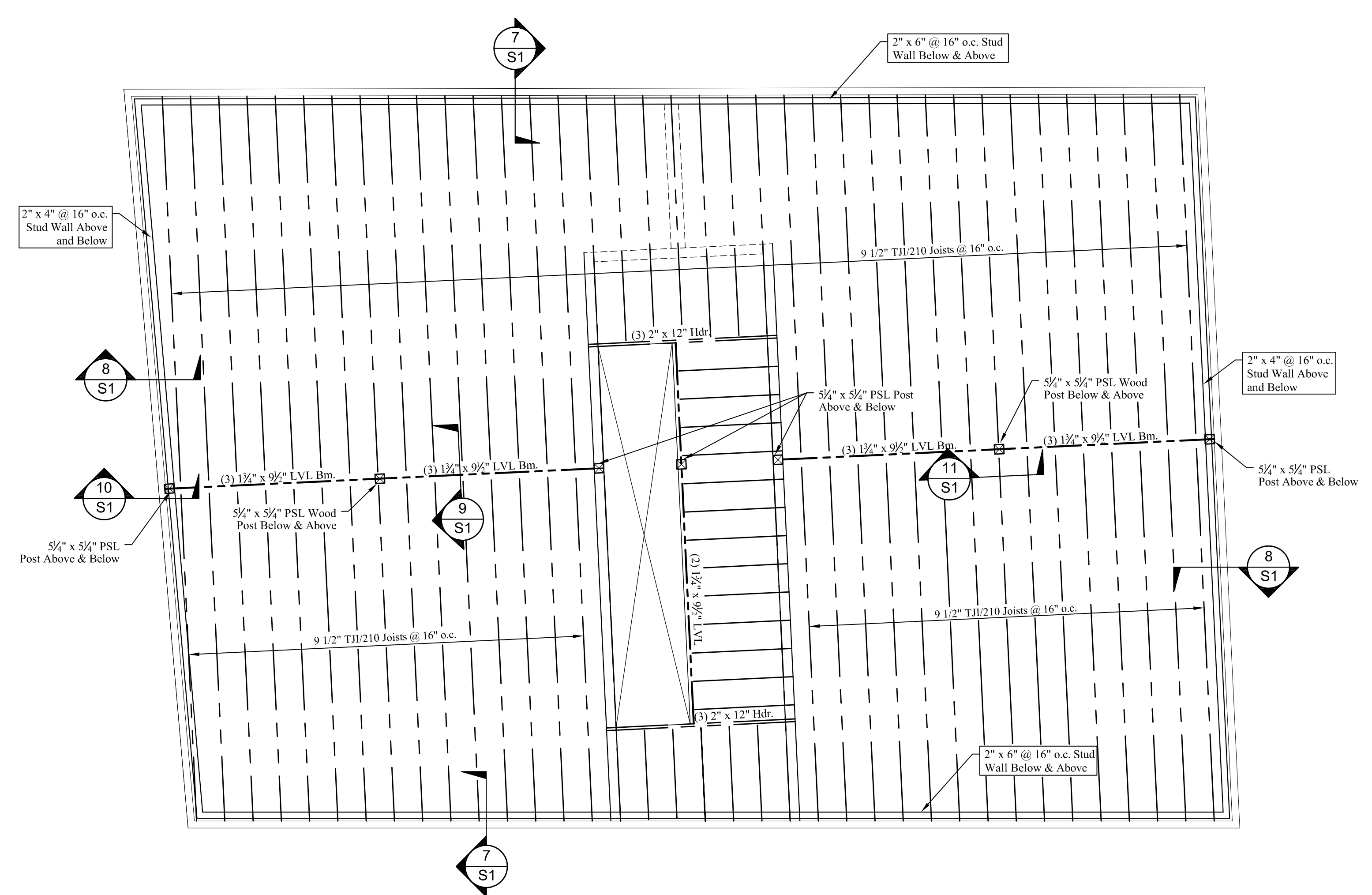
PRODUCT: DRAWING:



DESIGNED BY:  
Larry A. Wichroski, P.E.  
DRAWN BY:  
LAW  
JOB #:  
02915  
DATE:  
05-26-2015

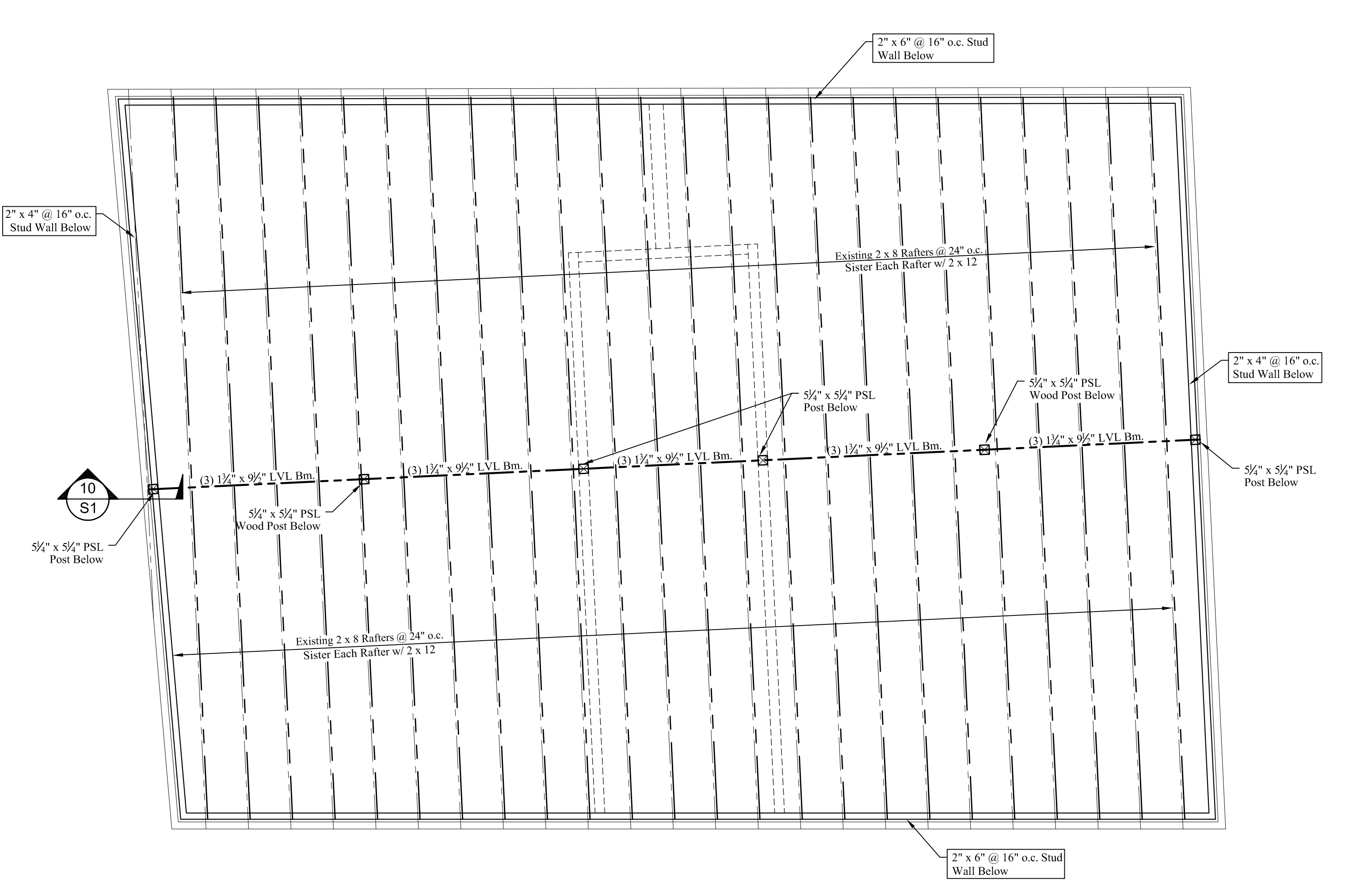
REVISIONS

SHEET:  
**S4**  
of 4



- FLOOR FRAMING NOTES:**
- See structural notes sheet S1.
  - Provide (2) 1 1/2" x 9/4" LVL w/ 2" rigid insulation header at all exterior window and door openings unless noted otherwise.
  - Build-up beams shall be spiked together w/ 3 rows of 16d nails @ 12" o.c.
  - Provide metal hangers at all joist connections.
  - Provide double joists below all upper parallel walls.
  - Provide solid blocking at mid-span of all joists.
  - See architectural drawings and field verify all dimensions and openings.
  - Add solid blocking between floor joists below all posts.

**4th FLOOR FRAMING PLAN**  
Scale: 1/4" = 1'-0"



- ROOF FRAMING NOTES:**
- See structural notes sheet S1.
  - Provide (2) 1 1/2" x 9/4" LVL w/ 2" rigid insulation header at all exterior window and door openings unless noted otherwise.
  - Build-up beams shall be spiked together w/ 3 rows of 16d nails @ 12" o.c.
  - Provide metal hangers at all flush joist connections.
  - Provide solid blocking at mid-span of rafters.
  - See architectural drawings and field verify all dimensions and openings.

**ROOF FRAMING PLAN**  
Scale: 1/4" = 1'-0"

Preliminary Plans for Existing  
Structure Reinforcement