

06.06.2025 Deck Design

## GENERAL NOTES:

- 1.) All construction shall meet local and state codes and conform to the details shown on the plans.
- 2.) The contractor shall obtain a building permit to cover all work involved for the completion of the project.
- 3.) Insurance shall be maintained by Contractor as required by State of Connecticut for Workman's Compensation and Liability Coverage.
- 4.) The Project will be properly supervised and manned at all times.
- 5.) The Contractor will be responsible for the layout of all work. All dimensions are to be checked and verified in the field before proceeding with any work.
- 6.) The Contractor must protect all work and utilities and relieve the owner from any liability derived from lack of protection of same.
- 7.) If any field conditions preclude compliance with the drawings and/or conditions specified, the Contractor shall notify Engineer and shall not proceed with any affected work.
- 8.) It is the contractor's sole responsibility to follow all applicable safety codes and regulations during all phases of construction.
- 9.) The Governing code for the project is the State of Connecticut Building Code 2021 Edition with Supplements.

## TECHNICAL SPECIFICATIONS:

- 1.) All detailing, fabrication and placing of reinforcing bars shall be in accordance with A.C.I Manual of Standard Practice for detailing reinforced concrete structures (A.C.I. 315-05).
- 2.) All concrete construction shall be in accordance with the building code requirements for reinforced concrete, (A.C.I. 318-05) and specifications for structural concrete buildings (A.C.I 301-05).
- 3.) Reinforcing bars shall conform to the requirements of ASTM 420-05, grade 60 ASTM 615-05 and welded wire fabric to ASTM 185-05.
- 4.) All reinforcing unless otherwise noted shall be continuous.
- 5.) Reinforcement cover, unless otherwise noted.
  - A. Footing | Bottom - 3", Top - 2"
  - B. Walls/Beams | 2" Each Face
  - C. Piers | 1 1/2" to Ties
- 6.) Submit shop drawings showing all reinforcing on wall elevation, including dowels. Detailing and amount of reinforcing for conditions not shown shall be provided as shown in similar conditions. Show location of construction, expansion and controlled joints and all inserts, wall openings and any objects which affect the placing of rebars.
- 7.) Concrete shall develop a compressive strength in 28 days as follows:

Slabs on Grade	3500 PSI
All other Concrete	3000 PSI
- 8.) No openings or penetrations other than those shown shall be provided unless approved by the Engineer.
- 9.) Anchor bolts and other embedded items to be furnished shall be A36 Steel.
- 10.) Contractor shall submit for approval by Engineer, the method of curing all concrete.
- 11.) Bank run gravel under concrete slabs to be free of organic and foreign material and shall be placed to give 95% modified proctor density.
- 12.) Slabs on finished grades shall be steel trowel finished as defined in A.C.I. 318-05.  
Cure slab with Euclid Super Pliocure or approved equal. Apply as recommended by manufacturer.
- 13.) Provide air entrainment in all exterior concrete.
- 14.) 1/2 inch anchor bolts embedded min. 7 inches shall be installed at 4 feet apart on center. A minimum of 2 bolts per sill piece located not more than 12 inches or less than 4 inches from each end.
- 15.) All wood PT (pressure treated)

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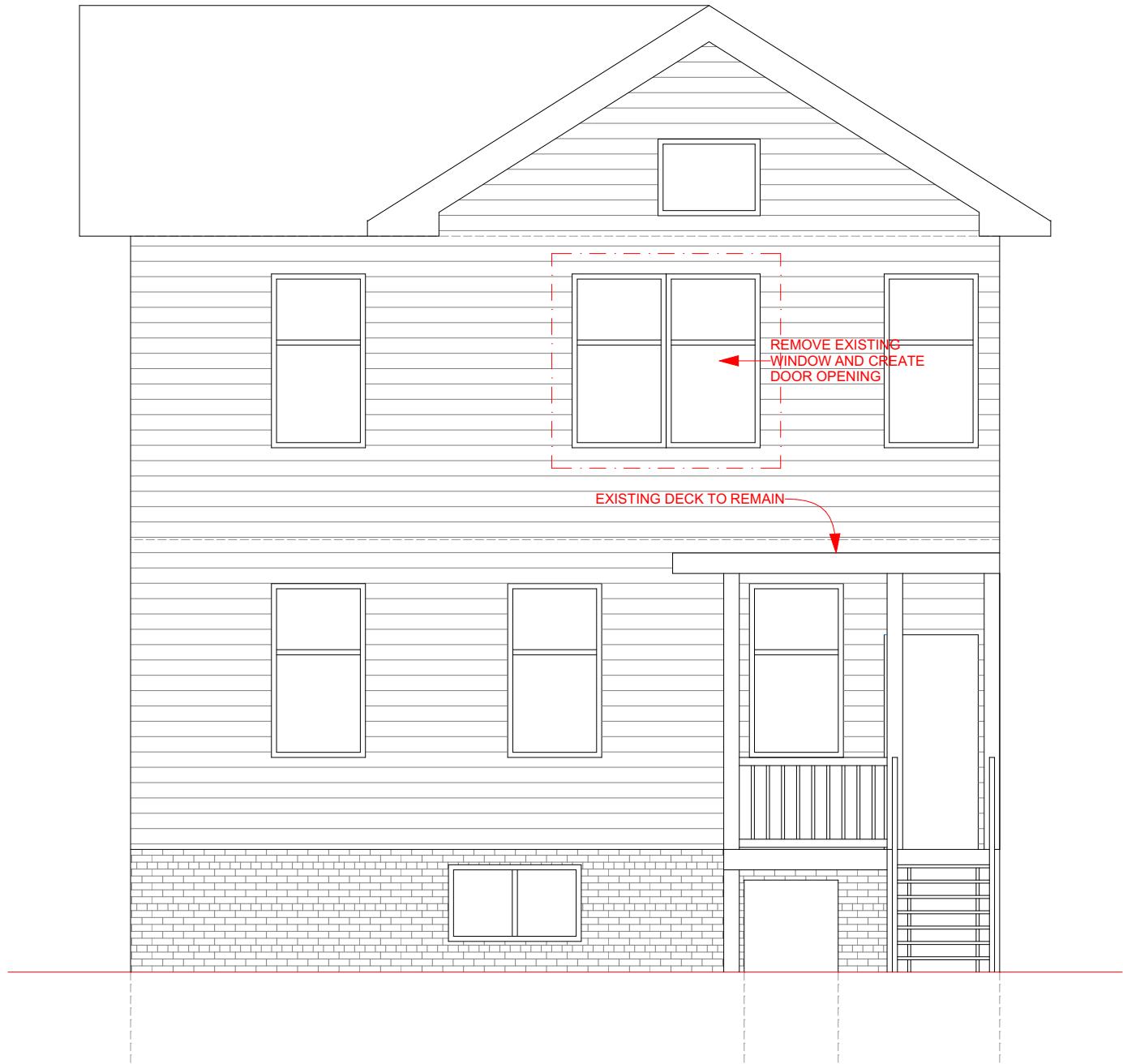


ELEVATION

EXISTING DECK

BACK

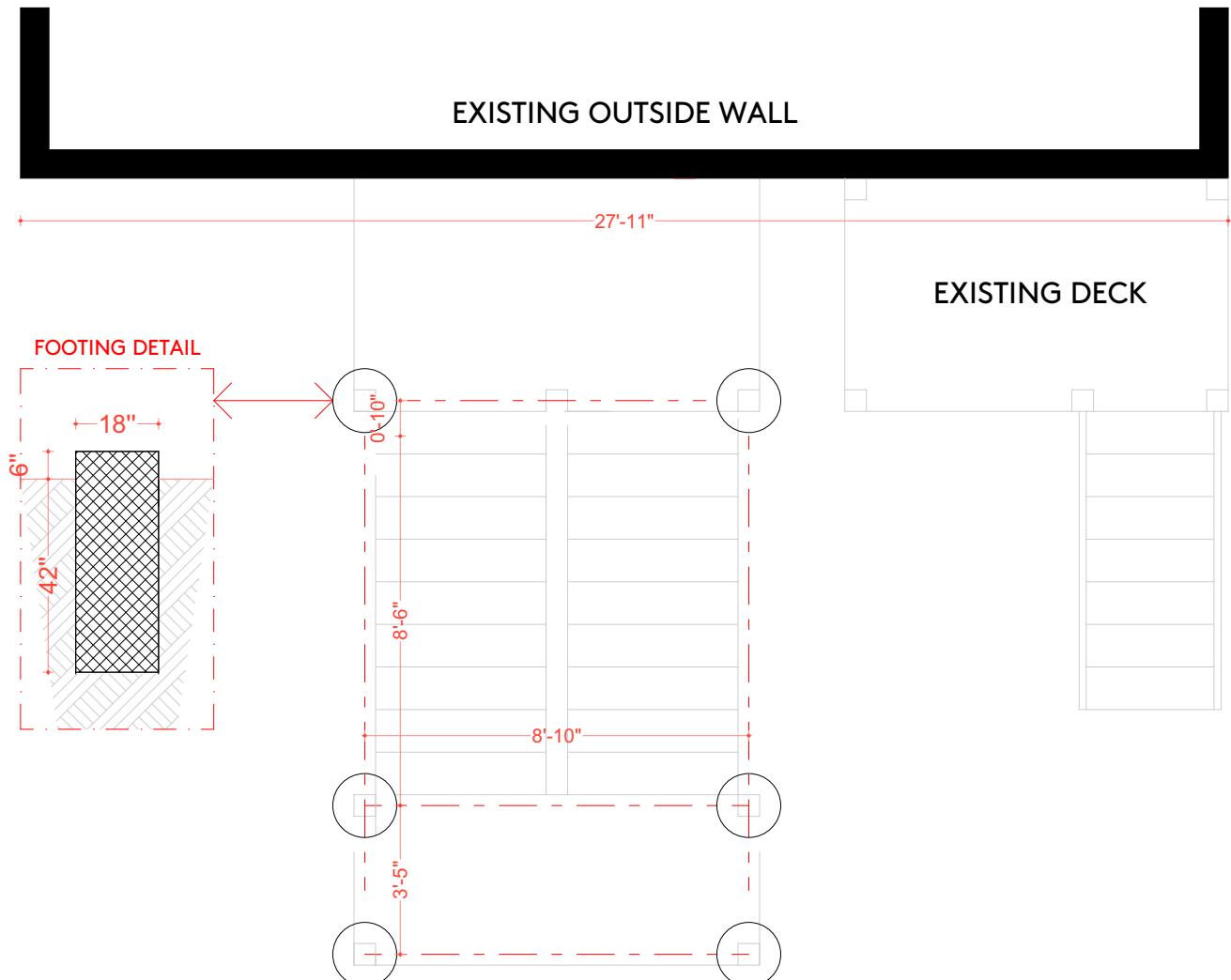
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ELEVATION  
DEMOLITION PLAN  
BACK

For:  
365 Blatchley  
New Haven, Ct.

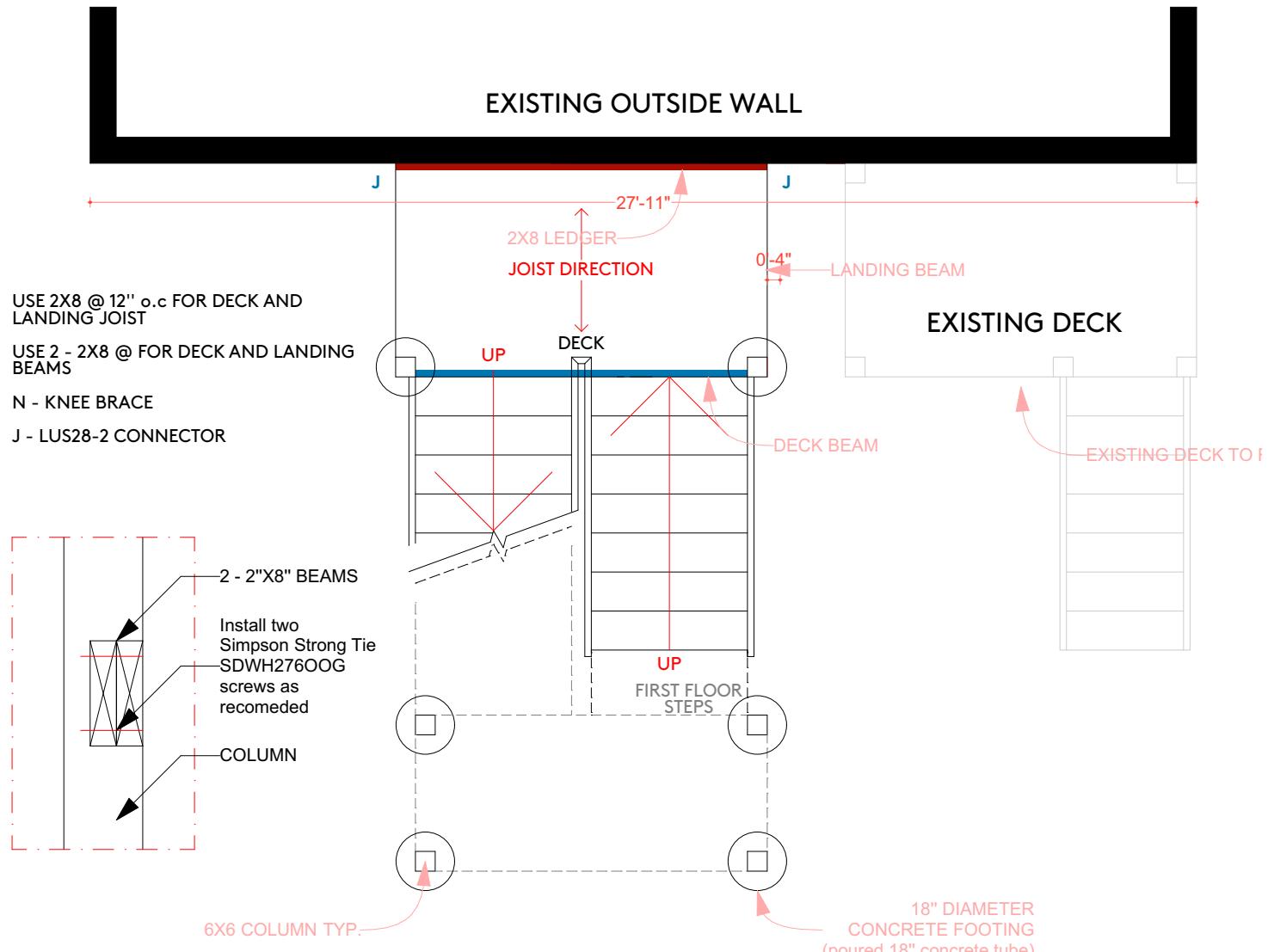
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## TOP VIEW

## FOOTING

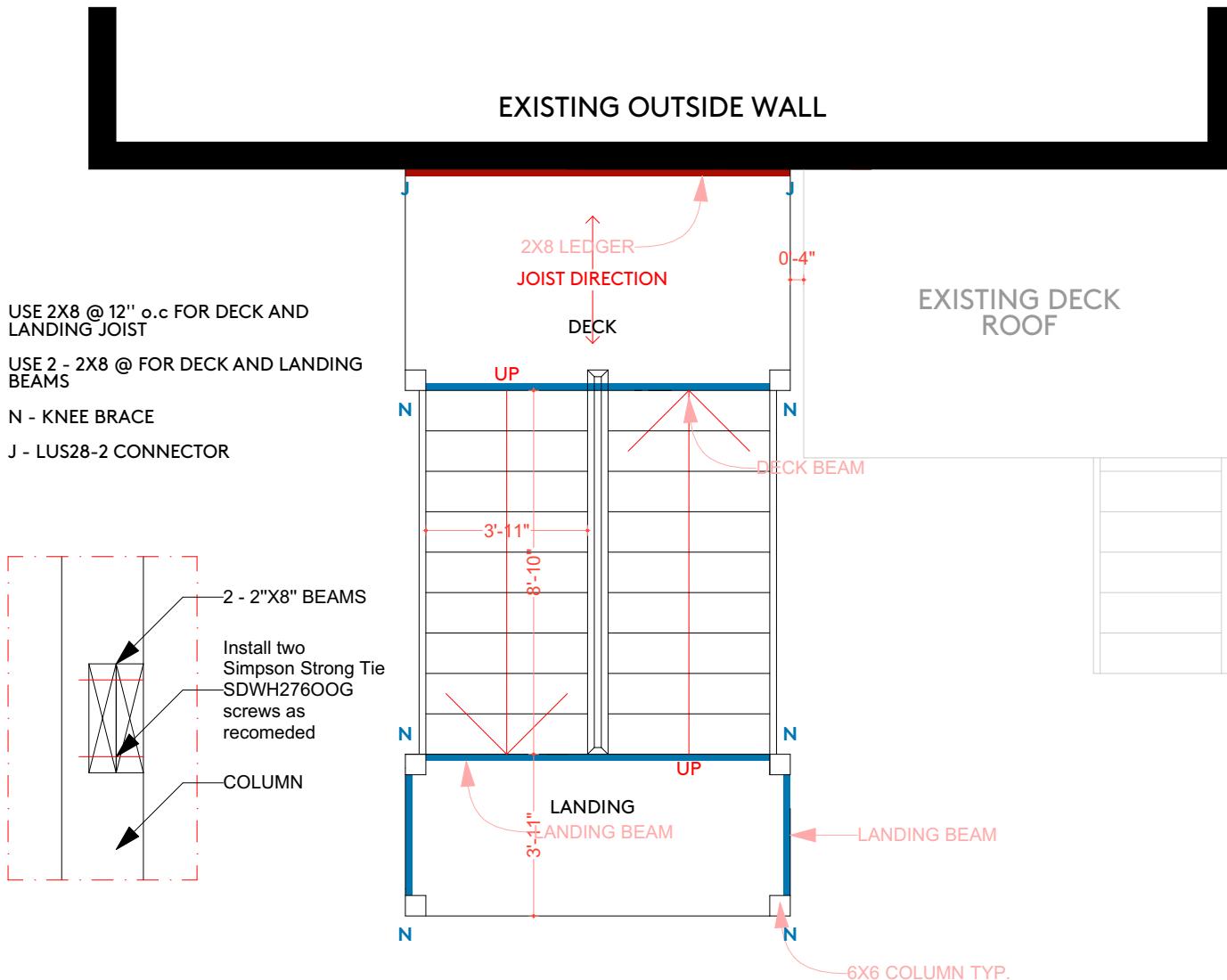
BACK



TOP VIEW

FIRST FLOOR VIEW

BACK

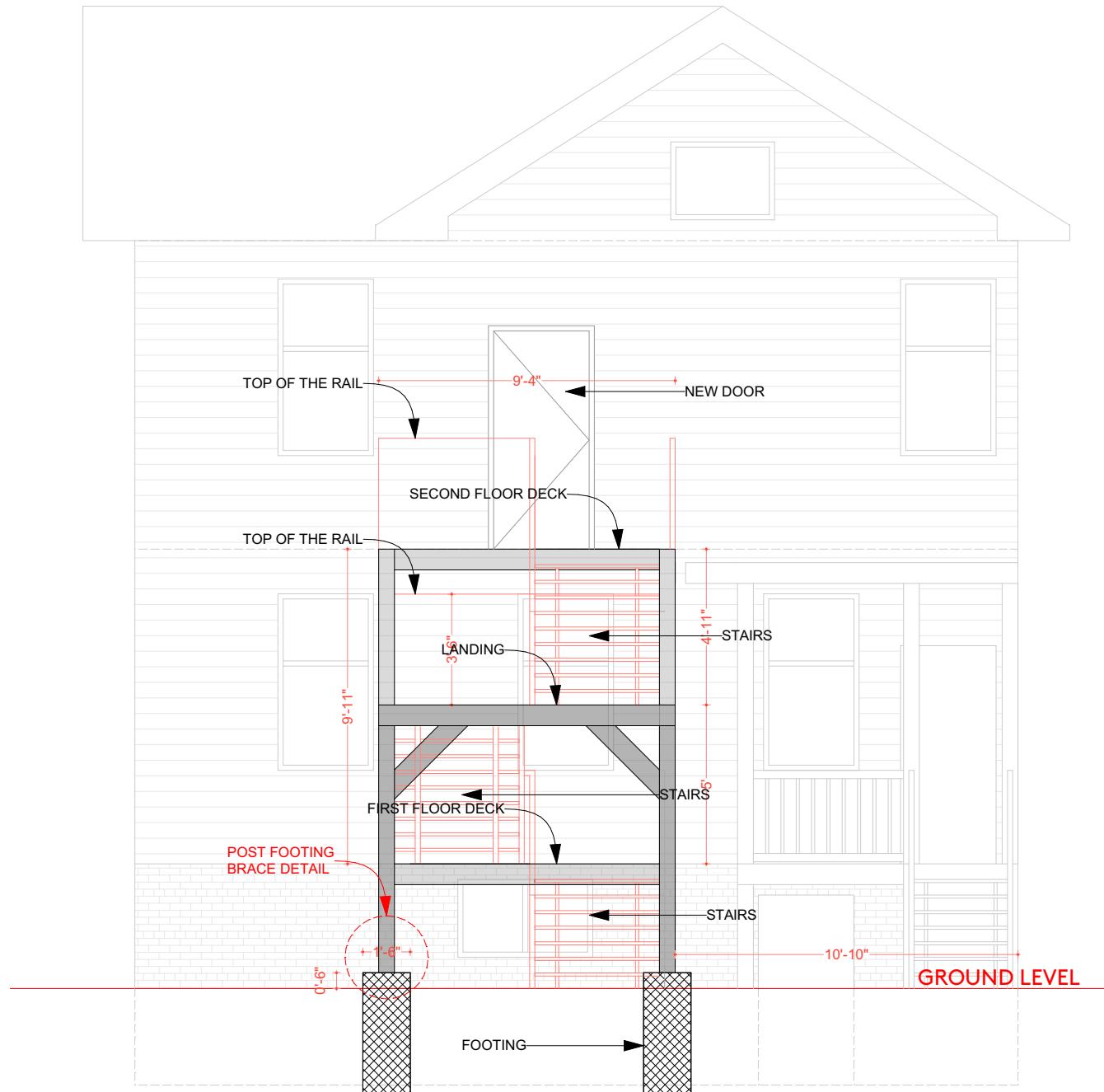


TOP VIEW

SECOND FLOOR VIEW

BACK

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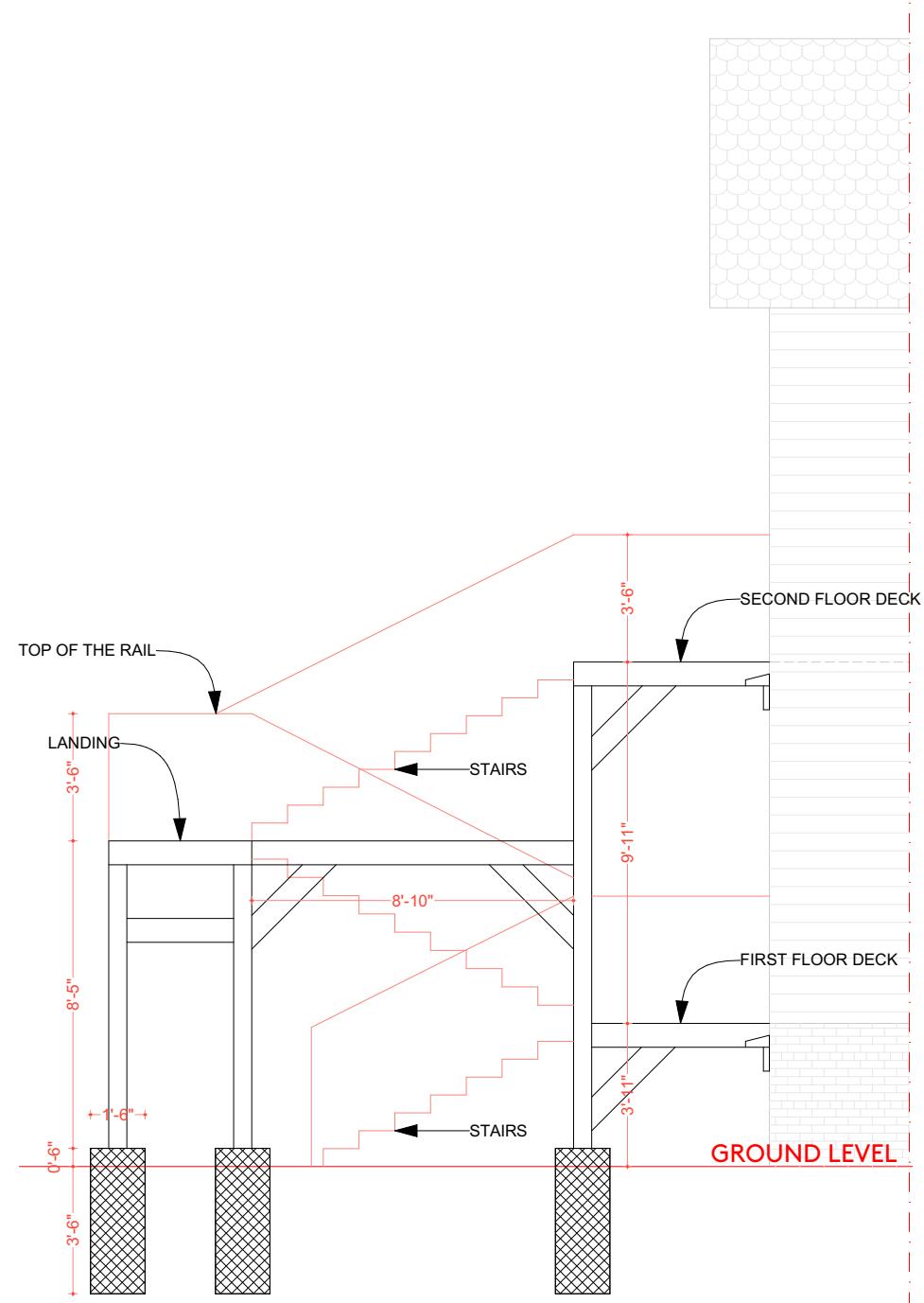


FRONT VIEW

DECK ELEVATION

BACK

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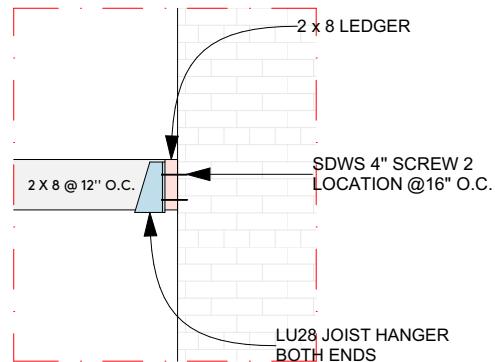
SIDE VIEW

DECK ELEVATION

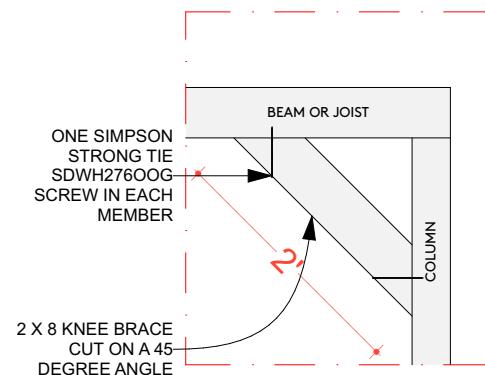
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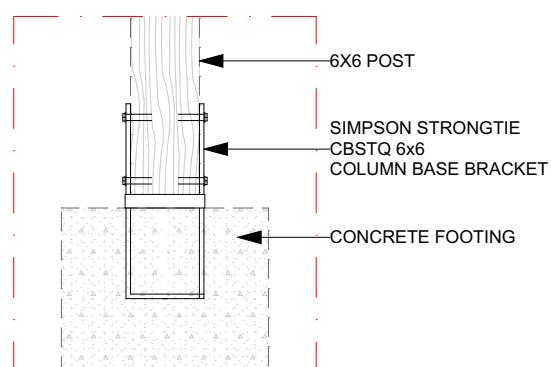
## LEDGER DETAIL



## KNEE BRACING DETAIL



## BRACKET DETAIL

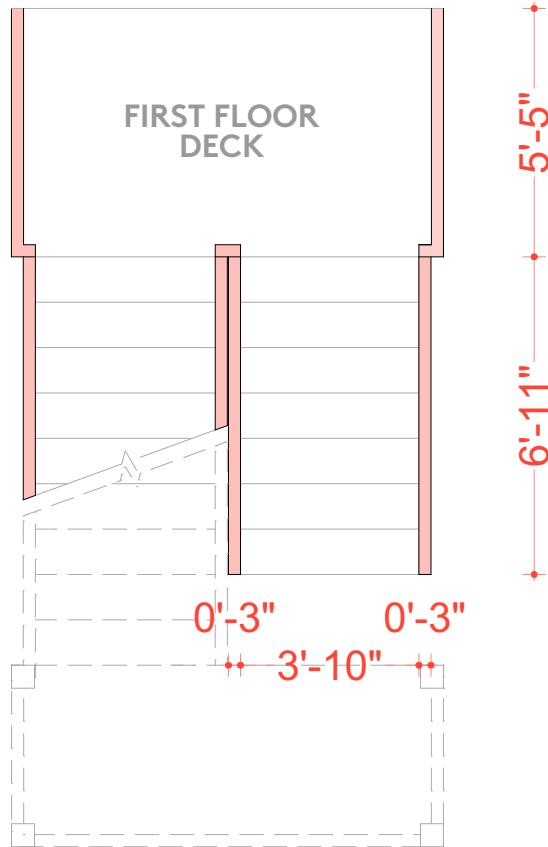


## DECK DETAILS

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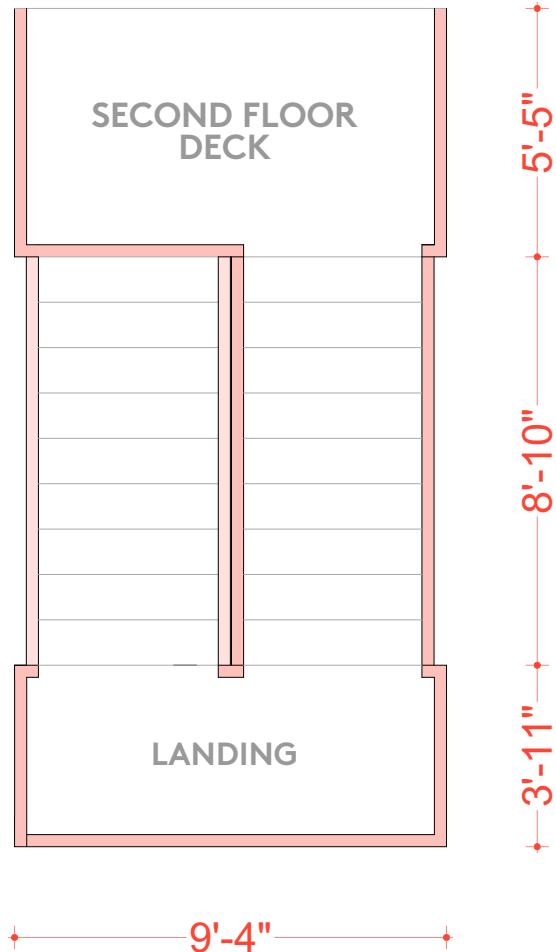
TOP VIEW

FIRST FLOOR



TOP VIEW

SECOND FLOOR



TOP VIEW

RAILING LAYOUT

BACK

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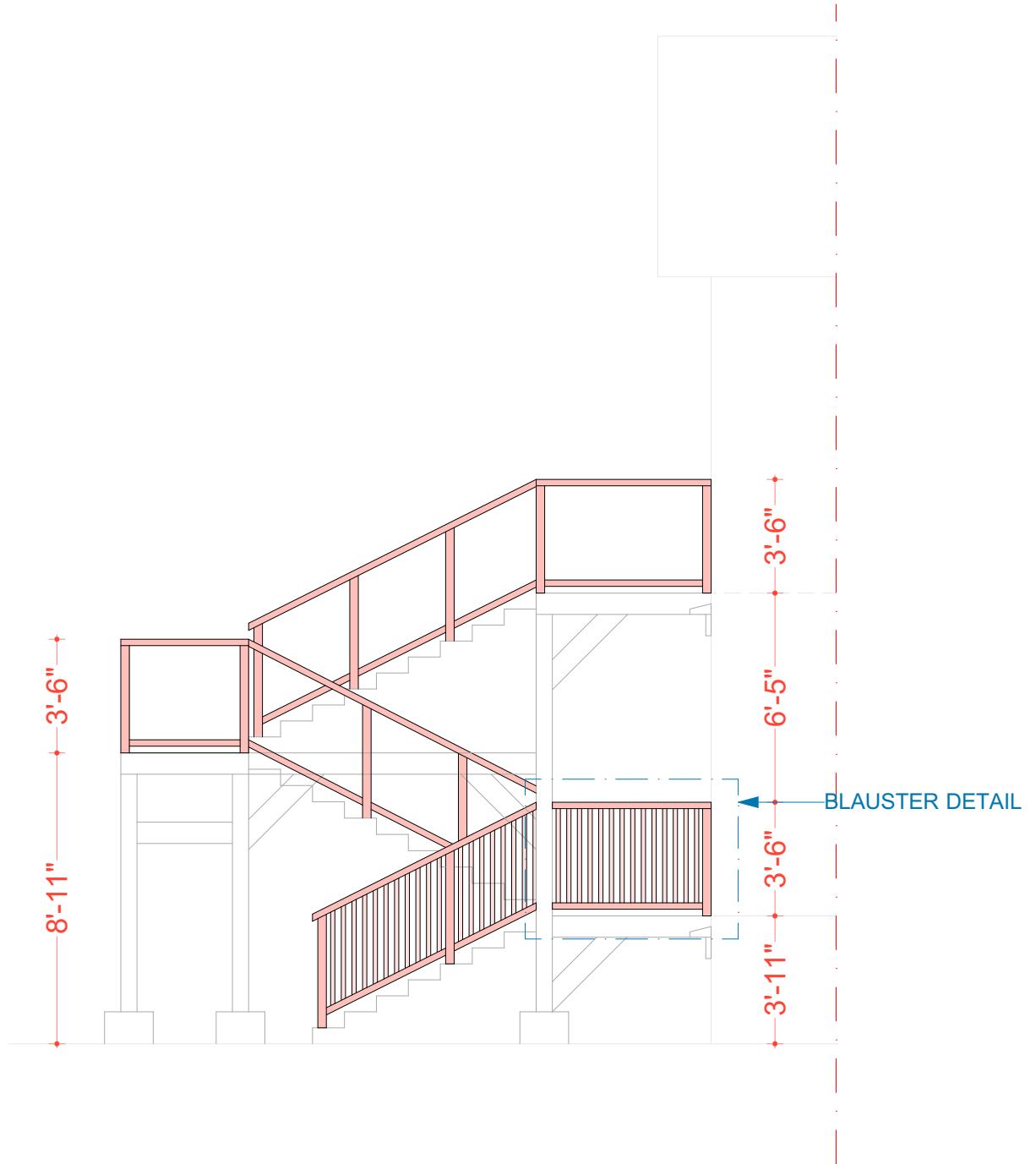


FRONT VIEW

RAILING ELEVATION

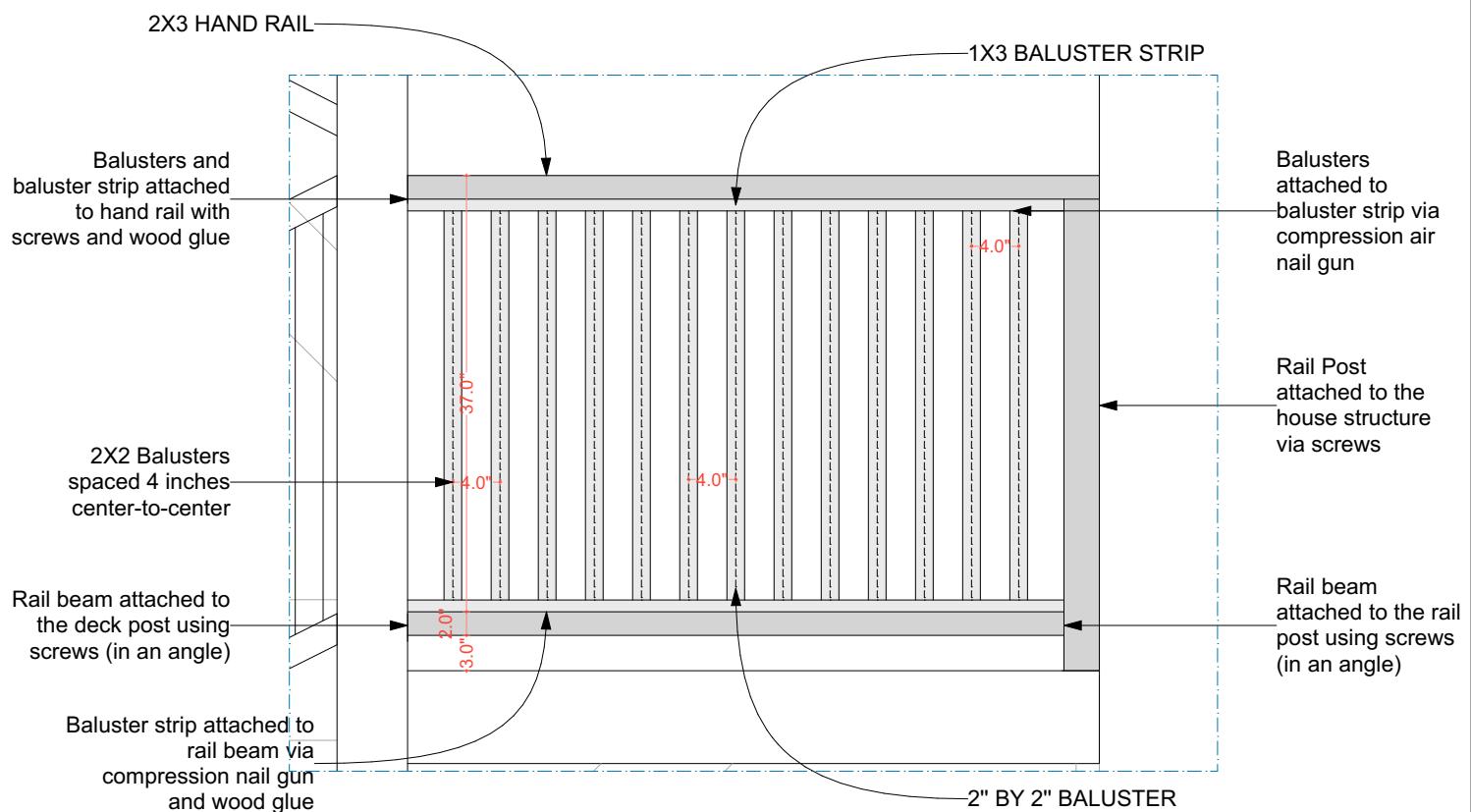
BACK

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SIDE VIEW  
RAILING ELEVATION  
BACK

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SIDE VIEW

BLAUSTER DETAIL

BACK