

WOOD FRAMED DECK

GENERAL

- This building/structure has been designed in accordance with the Sixth Edition of the 2017 Florida Building Codes, and Section 1604 for design pressures generated by a three second gust design wind velocity of 150 mph (116 mph fastest mile wind velocity). Structural calculations, including gravity loads, as necessary to confirm compliance with the Sixth Edition of the 2017 Florida Building Code, have been performed.
- The owner, his agent, or general contractor is responsible for field supervision, construction administration, review and approval of all shop drawings, verification on-site of all dimensions and elevations, and strict compliance with these construction documents as approved by Lee County.
- These plans are intended to be mastered. The repetitive use of these plans for permitting is approved.
- All windows, doors, and other such systems, components and cladding shall be designed in accordance with Section 1604 of the Sixth Edition of the 2017 Florida Building Code for design pressures generated by a three second gust design wind velocity of 150 mph (116 mph fastest mile wind velocity), see "Design Parameters" for specific pressures.

FASTENERS & CONNECTORS

- Approved connectors, anchors and other fastening devices not included in the Florida Building Code shall be installed in accordance with the manufacturer's recommendations.
- Where fasteners are not otherwise specified fasteners shall be provided in accordance with Table 2304.9.1 of the Sixth Edition of the 2017 Florida Building Code. Nails, screws, or bolts shall be able to resist the forces in this Code.
- Unless otherwise stated, sizes given for nails are common wire nails. For example, 8d = 2 1/2 inches long x 0.181-inch diameter. See Table 12B3, columns 2, 3, and 4, in the National Design Specifications for Wood Construction. Metal plates, connectors, screws, bolts and nails exposed directly to the weather or subject to salt corrosion in coastal areas, as determined by the Building Official, shall be stainless steel, or hot dipped galvanized after the fastener or connector is fabricated to form a zinc coating not less than 1 oz per sq ft, or hot dipped galvanized with a minimum coating of 1.8 oz per sq ft of steel meeting the requirements of ASTM A 90 Triple Spot Test.

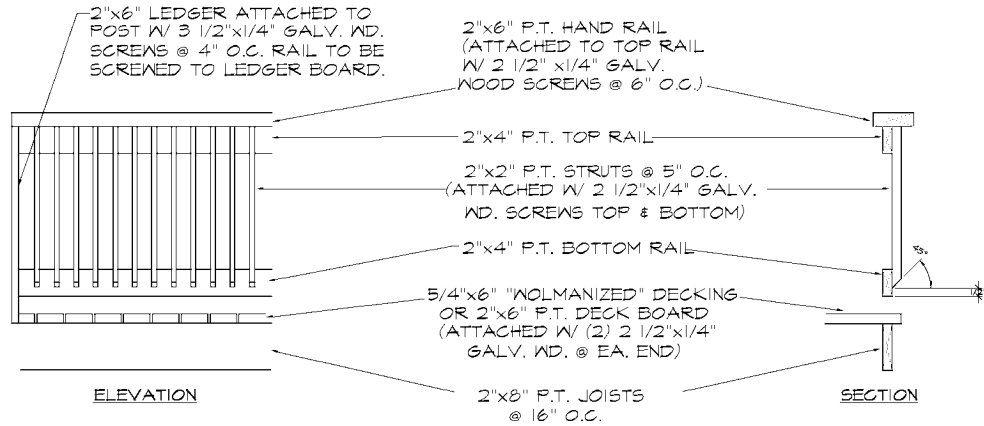
WOOD GENERAL

- All wood construction shall comply with the latest NFPA and AITC Specifications and Recommendations.
- Lumber standard shall be American Softwood Lumber Standard PS 20-70, 545, 193 moisture or as required by structural design.
- Structural lumber (roof beams, headers, columns, exterior wall studs) to be Southern Pine No. 2, KD 15 with a F_b of 1300 PSI, E_x of 1,800,000 PSI, and F_v = 95 PSI.
- Glue laminated timber shall conform with ASTM D-3757 and AITC 117. Roof beams shall be designated 24F-EI.
- Plywood for sheathing shall be APA rated sheathing as per plans and shall bear the APA Mark.
- Wood in contact with concrete, masonry and/or exposed to weather shall be protected or pressure treated in accordance with AITC-109.

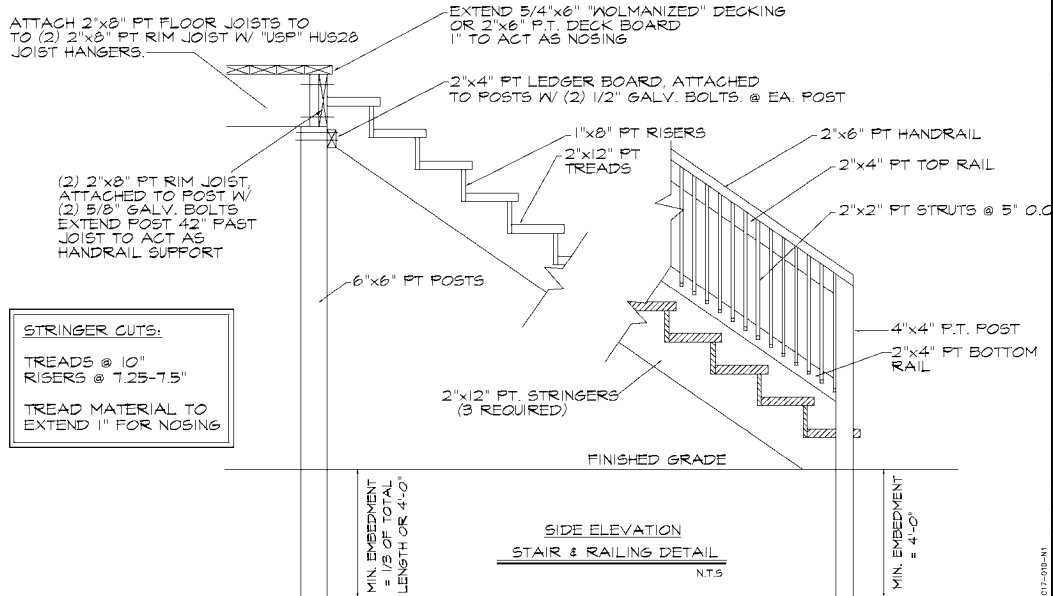
WOOD FLOORS

- Floor joists shall be of Group II species lumber and sized in accordance with the National Forest Products Association's (NFPA) Span Tables for Joists and Rafter. Trussed floor joists shall be in accordance with accepted engineering practice.
- Floor trusses shall be in accordance with TPI Design Specifications for Metal Plate Connected Parallel Chord Wood Trusses. Top chords shall be of Group II species lumber. Floor trusses shall also be in accordance with 2017 FBC Sec. 2305.4, R502.11.4, and R502.11.1.
- Floor sheathing shall be 1/2-inch minimum C-D sheathing grade plywood (wood structural panels), or equivalent. The sheathing shall be installed with long dimension perpendicular to framing and with joints staggered. See Detail Sheets.
- Floor framing shall be spaced not more than 24 inches on center for 23/32-inch plywood (wood structural panels) sheathing and not more than 20 inches on center for other floor sheathing. In no case shall spacing exceed span ratings shown on sheathing panels.
- The floor joists/trusses shall be fastened to the sill plate or top plate in accordance with Florida Building Code and these plans and specifications. In addition, uplift connectors shall be provided to resist uplift loads.
- Provide bracing in the first two framing spaces at each end of floor system, spaced 4 feet on center maximum. Bracing members shall be full depth of joist or truss. No other blocking is required except as shown to create a stronger diaphragm.
- Fasten floor sheathing to panels to framing and blocking with 10d common or 10d hot dipped galvanized box nails at the following spacing:
 - 6 inches on center at all panel edges.
 - 12 inches on center at all intermediate framing.

| WINDLOAD CONNECTORS SCHEDULE | | | |
|------------------------------|--------------|-------------|---|
| LAWS | MANUFACTURER | DESCRIPTION | FASTENERS |
| 1 | USP | USP | |
| 1 | TD | TD WOOD | WOOD TO WOOD UPLIFT CONN ASSY 4" 3/4" HD |
| 2 | HTA24 | HTA24 | TRUSS-RAFTER ANCHER 25-108d-1/2" |
| 3 | TP4 | SPH | TOP/BEETEM PLATE ANCHERS 12-10d |
| 4 | HCD | HCD | HURRICANE CLP 9-10d - 9-10d |
| 5 | HT24 | HT24 | TRUSS-RAFTER TIES 18-10d 12-10d W/ 1/2" (EMBEDDING STRIP) |
| 6 | HSA-2 | HSA-2 | ANCHOR ZONE 125/270d - 125/270d |
| 7 | HT3P | HT3P | TRUSS-RAFTER TIES 18-10d |
| 8 | SH4 | N/A | MS UPLIFT CONNECTOR 103/4"HD - 142/2"HD |
| 9 | HTA28 | HTA28 | TRUSS ANCHOR HIGH UPLIFT 16-10d-1/2" |
| 10 | HT2 | HT2 | PLATE ANCHER 18-10d |
| 11 | HCD-2 | HCD-2 | HURRICANE CLP 9-10d - 9-10d |
| 12 | USDF | N/A | TRUSS-RAFTER TIES 18" 16d - 14" 3/4" AS |



PORCH RAIL DETAIL



STRINGER CUTS:

TREADS @ 10"
RISERS @ 7.25-7.5"
TREAD MATERIAL TO
EXTEND 1" FOR NOSING

SIDE ELEVATION

STAIR & RAILING DETAIL

N.T.S.

LEE COUNTY DEPARTMENT OF COMMUNITY DEVELOPMENT
DIVISION OF CODES AND BUILDING SERVICES
HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION
PURSUANT TO 2017 FLORIDA BUILDING CODE

16" WIDE DECK/DECK ADDITION W/
GUARDRAIL & STAIRS

SCALE:
AS NOTED
DATE:
DECEMBER 11, 2017
SHEET

N1

Reviewed for Code Compliance
Development Services
By: Sharon Reynolds Date: 02/21/18
RESMSTR18-0006