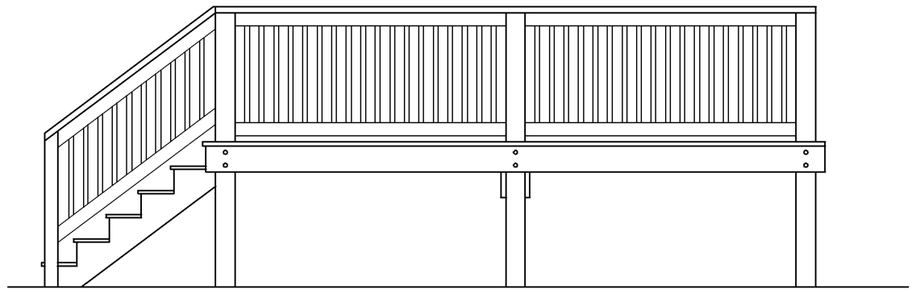
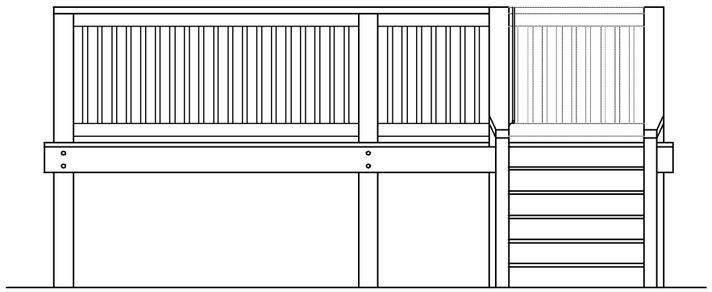
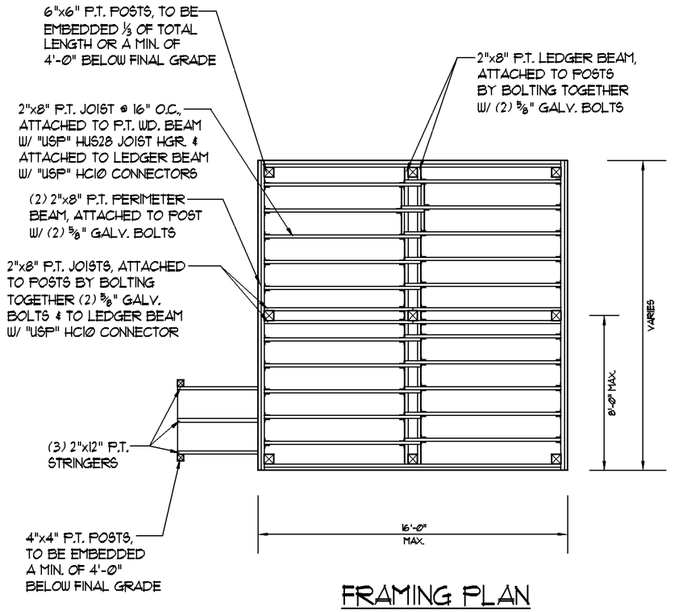


SIDE VIEW
SCALE: N.T.S.



FRONT VIEW
SCALE: N.T.S.

NOTE:
DECK BOARDS AND STAIR TREADS REQUIRED TO HAVE LABEL. INSPECTION WILL BE LOOKING FOR R311.4.1



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

DESIGN PARAMETERS:

APPLICABLE CODES:
- [X] 2020 FLORIDA BUILDING CODE, RESIDENTIAL, SEVENTH EDITION
- [X] 2020 FLORIDA BUILDING CODE, MECHANICAL, SEVENTH EDITION
- [X] 2020 FLORIDA BUILDING CODE, PLUMBING, SEVENTH EDITION
- [X] 2020 FLORIDA BUILDING CODE, ENERGY CONSERVATION, SEVENTH EDITION
- [X] 2020 FLORIDA BUILDING CODE, ACCESSIBILITY, SEVENTH EDITION
- [X] FLORIDA FIRE PROTECTION CODE, (2020) SEVENTH EDITION
- [X] 2014 NATIONAL ELECTRICAL CODE
- [X] NATIONAL FIRE PROTECTION CODE, NFPA 101 (LIFE SAFETY)

BUILDING OCCUPANCY CLASSIFICATION:
- [ ] GROUP A - ASSEMBLY
- [ ] GROUP B - BUSINESS
- [ ] GROUP D - DAY CARE CENTER
- [ ] GROUP E - EDUCATIONAL
- [ ] GROUP F - FACTORY INDUSTRIAL
- [ ] GROUP H - HAZARDOUS
- [ ] GROUP I - INSTITUTIONAL
- [ ] GROUP M - MERCANTILE
- [ ] GROUP R - RESIDENTIAL
- [X] GROUP U - UTILITY & MISCELLANEOUS

BUILDING CONSTRUCTION TYPE:
- [ ] TYPE I-A
- [ ] TYPE I-B
- [ ] TYPE II-A
- [ ] TYPE II-B
- [ ] TYPE III-A
- [ ] TYPE III-B
- [ ] TYPE IV
- [ ] TYPE V-A
- [X] TYPE V-B

RISK CATAGORY:
- [X] I
- [ ] II
- [ ] III
- [ ] IV

WIND LOADS:
(WIND LOADS ARE BASED ON CH. 26 THRU 30 OF ASCE 7)

WIND SPEED:
- [X] 150 MPH=ULTIMATE DESIGN WIND SPEED (3-SECOND GUST)
- [X] 116 MPH=NOMINAL DESIGN WIND SPEED (FASTEST MILE)

SURFACE ROUGHNESS CATAGORY:
- [X] B
- [ ] C
- [ ] D

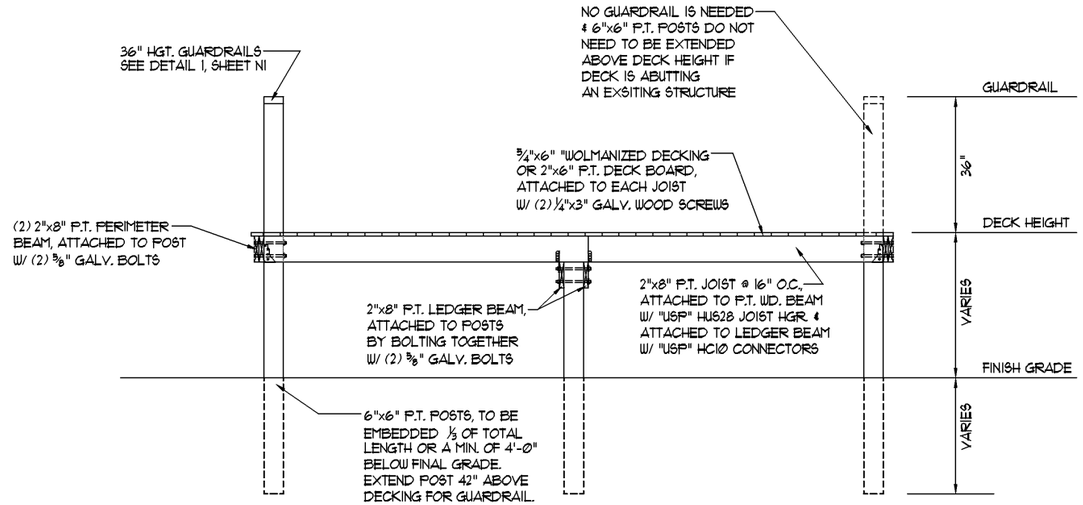
EXPOSURE CATAGORY:
- [X] B
- [X] C
- [X] D

WINDBORNE DEBRIS REGION:
- [X] YES
  - [X] NOT APPLICABLE FOR SHEDS

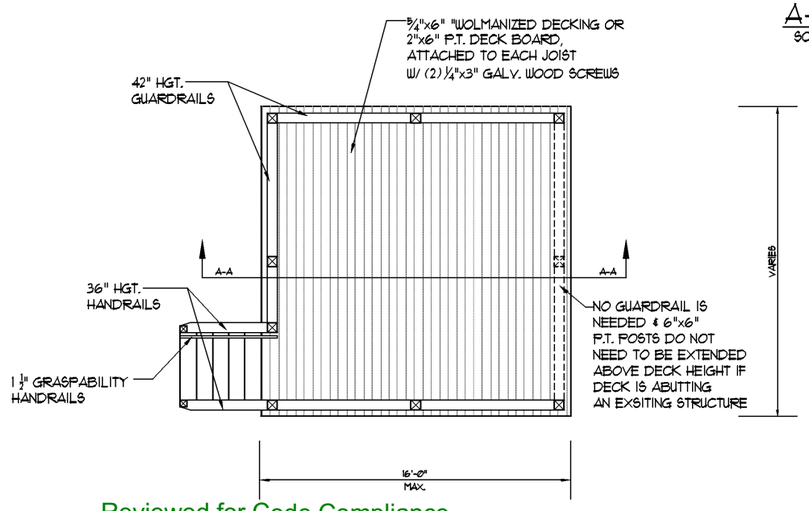
INTERNAL PRESSURE COEFFICIENTS:
- [ ] 0.00 (OPEN)
- [X] +0.18, -0.18 (ENCLOSED)
- [ ] +0.55, -0.55, (PARTIALLY ENCLOSED)

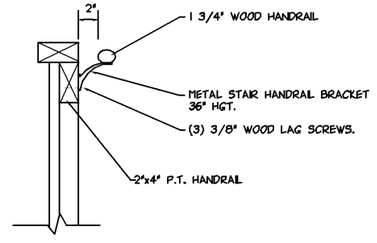
GEOTECHNICAL INFO:
(FOUNDATIONS ARE BASED ON A MINIMUM SOIL BEARING CAPACITY OF 2000 PSF)

Digitally signed by ROBERT W CASE
Date: 2021.01.14 15:23:35 -05'00'



A-A TYPICAL WOOD FRAME DECK SECTION
SCALE: N.T.S.





GRASPABILITY HANDRAIL DETAIL 1/A1
N.T.S.

Reviewed for Code Compliance
By: Glenn Burnett Date: 01/15/21
RESMSTR2021-00002

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

LEE COUNTY DEPARTMENT OF COMMUNITY DEVELOPMENT
DIVISION OF CODES AND BUILDING SERVICES

HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION
PURSUANT TO 2020 FLORIDA BUILDING CODE

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

SCALE: AS NOTED
DATE: JANUARY 1, 2020
SHEET A1

LC20-010-A1

WOOD FRAMED DECK

GENERAL

1. This building/structure has been designed in accordance with the Seventh Edition of the 2020 Florida Building Codes, and Section 1609 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 Seventh Edition of the 2020 Florida Building Code, have been performed.
2. 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.
3. These plans are intended to be mastered. The repetitive use of these plans for permitting is approved.
4. All windows, doors, and other such systems, components and cladding shall be designed in accordance with Section 1609 of the Seventh Edition of the 2020 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

1. Approved connectors, anchors and other fastening devices not included in the Florida Building Code shall be installed in accordance with the manufacturer's recommendations.
2. Where fasteners are not otherwise specified fasteners shall be provided in accordance with Table 2304.9.1 of the Seventh Edition of the 2020 Florida Building Code. Nails, screws, or bolts shall be able to resist the forces in this Code.
3. Unless otherwise stated, sizes given for nails are common wire nails. For example, 8d = 2 1/2 inches long x 0.131-inch diameter. See Table 12.3B, 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

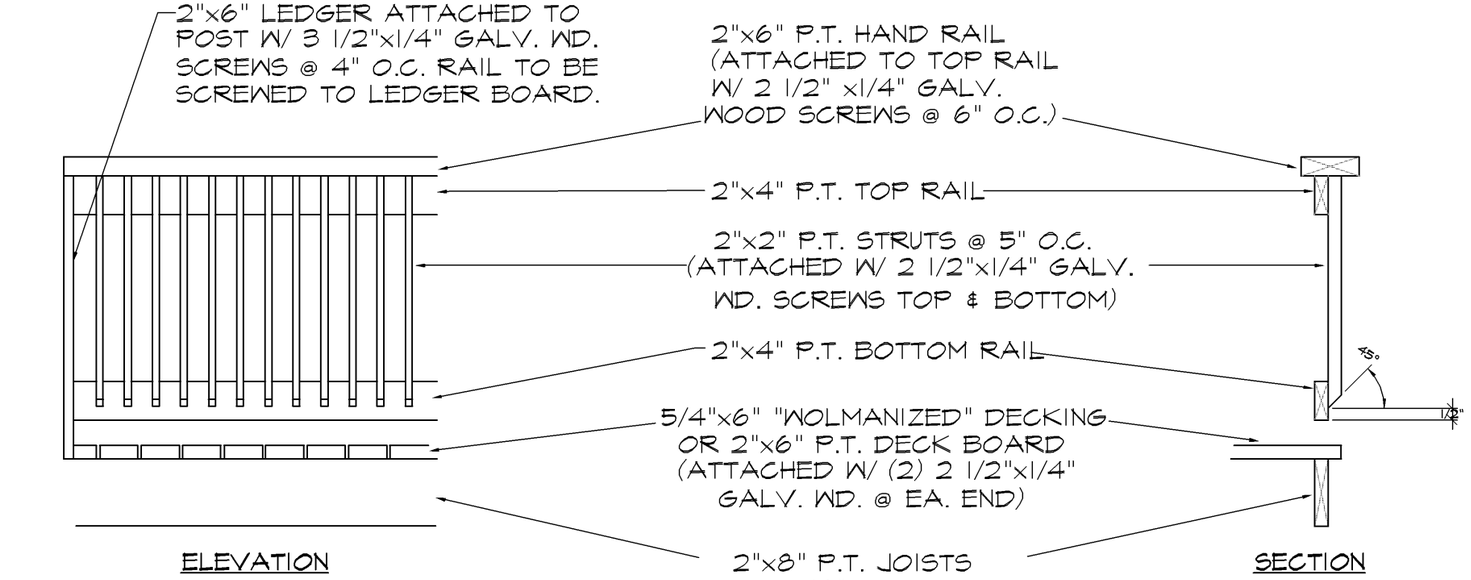
1. All wood construction shall comply with the latest NFPA and AITC Specifications and Recommendations.
2. Lumber standard shall be American Softwood Lumber Standard PS 20-70, S4S, 19% moisture or as required by structural design.
3. Structural lumber (roof beams, headers, columns, exterior wall studs to be Southern Pine No. 2 KD 15 with a Fb=1,300 PSI E=1,600,000 PSI, and Fv = 95 PSI.
4. Glue laminated timber shall conform with ASTM D-3737 and AITC 117. Roof beams shall be designated 24F-V1 or 24F-E1.
5. Plywood for sheathing shall be APA rated sheathing as per plans and shall bear the APA Mark.
6. Wood in contact with concrete, masonry and/or exposed to weather shall be protected or pressure treated in accordance with AITC-109.

WOOD FLOORS

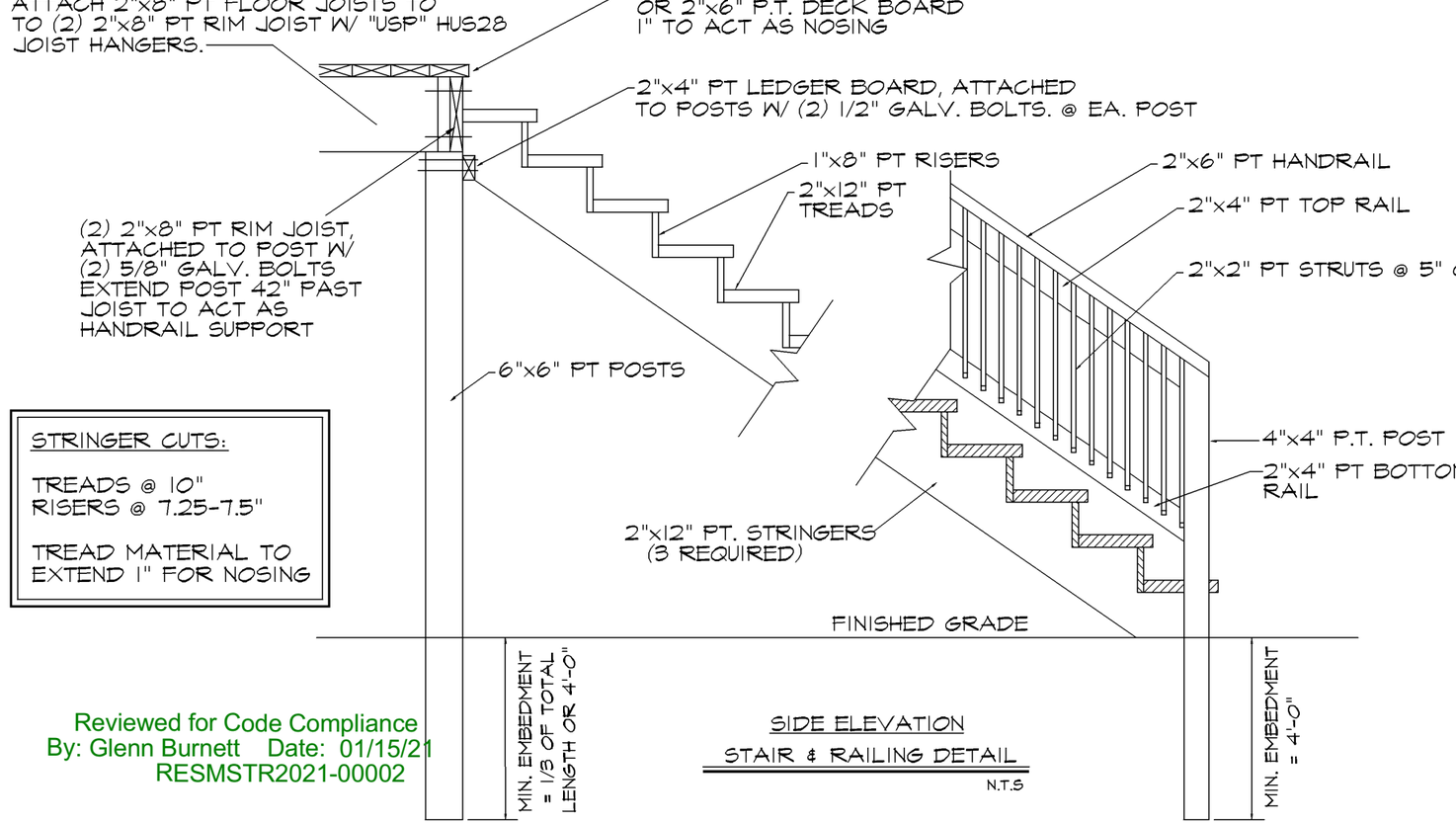
1. Floor joists shall be of Group II species lumber and sized in accordance with the National Forest Products Association's (NFoPA) Span Tables for Joists and Rafters. Trussed floor joists shall be in accordance with accepted engineering practice.
2. Floor trusses shall be in accordance with TPI Design 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 2020 FBC Sec. 2303.4, R502.11.4., and R802.10.1.
3. Floor sheathing shall be 19/32-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 end joints staggered. See Detail Sheets.
4. 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.
5. 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.
6. 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 chosen to create a stronger diaphragm.
7. Fasten floor sheathing to panels to framing and blocking with 10d common or 10d hot dipped galvanized box nails at the following spacing:
   a. 6 inches on center at all panel edges.
   b. 12 inches on center at all intermediate framing.

WINDLOAD CONNECTORS SCHEDULE

LABEL	MANUFACTURER		DESCRIPTION	FASTENERS
	USP	SIMPSON		
①	(2) TDX5	(2) HD2A/5	WOOD TO WOOD UPLIFT CONN. ASSY.	(4) 3/4" MB
②	HTA24	HETA24	TRUSS/RAFTER ANCHOR	10-10dx1-1/2"
③	TP4X	SPH4	TOP/BOTTOM PLATE ANCHORS	10-10d
④	HC10	H10	HURRICANE CLIP	9-10d - 9-10d
⑤	RT22T	HTS24	TRUSS/RAFTER TIES	18-16d (24-16d W/ SIMPSIN STRAP)
⑥	TDX5	HD2A/5	ANCHOR DOWN	(2)5/8"MB - (1)5/8"AB
⑦	RT30F	LTSA30	TRUSS/RAFTER TIES	18-16d
⑧	SHA6	N/A	MAS. UPLIFT CONNECTOR	(2)3/4"MB - (4)1/2"AB
⑨	HTA20	HETA20	TRUSS ANCHOR, HIGH UPLIFT	16-10dx1-1/2"
⑩	PA23	PA23	PURLIN ANCHOR	18-16d
⑪	HC10-2	H10-2	HURRICANE CLIP	9-10d - 9-10d
⑫	USC3F	N/A	TRUSS/RAFTER TIES	(8) 16d - (4) 3/4" A.B.



PORCH RAIL DETAIL — N.T.S. — 1/N



STRINGER CUTS:

TREADS @ 10"
RISERS @ 7.25-7.5"

TREAD MATERIAL TO EXTEND 1" FOR NOSING

SIDE ELEVATION
STAIR & RAILING DETAIL
N.T.S

Reviewed for Code Compliance
By: Glenn Burnett Date: 01/15/21
RESMSTR2021-00002

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LC20-010-N1