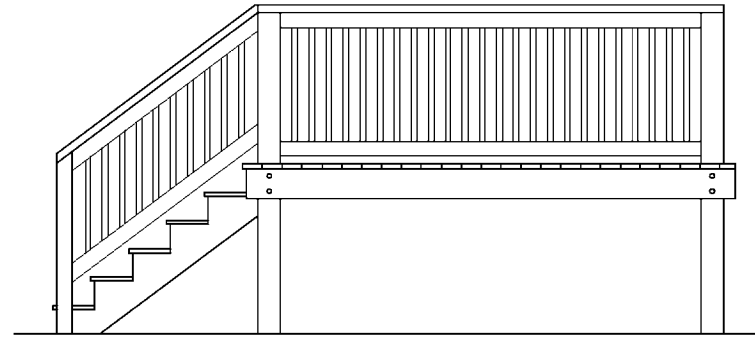
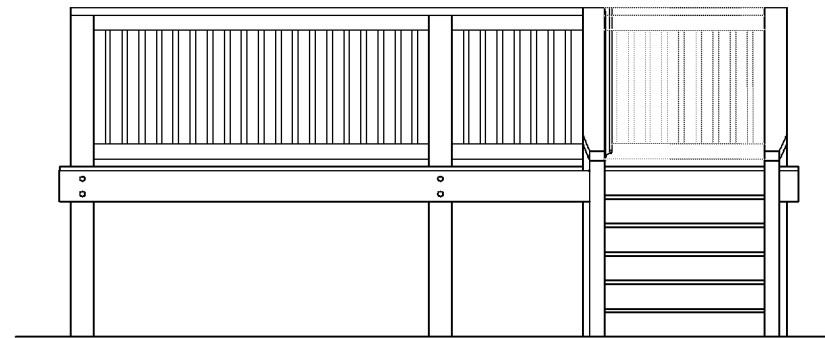


resmstr18 0006



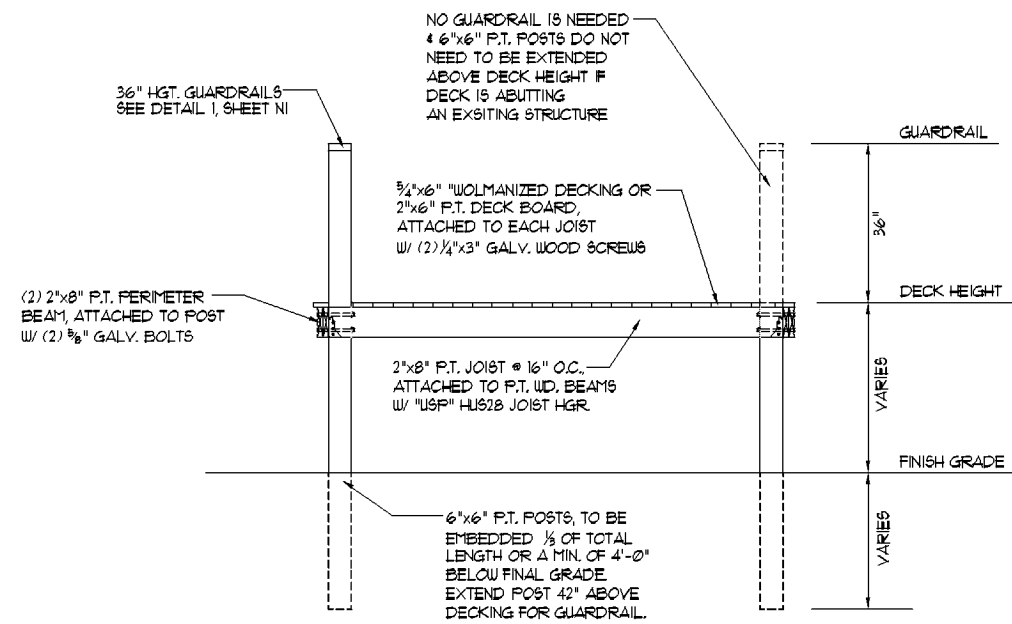
SIDE VIEW
SCALE: N.T.S.



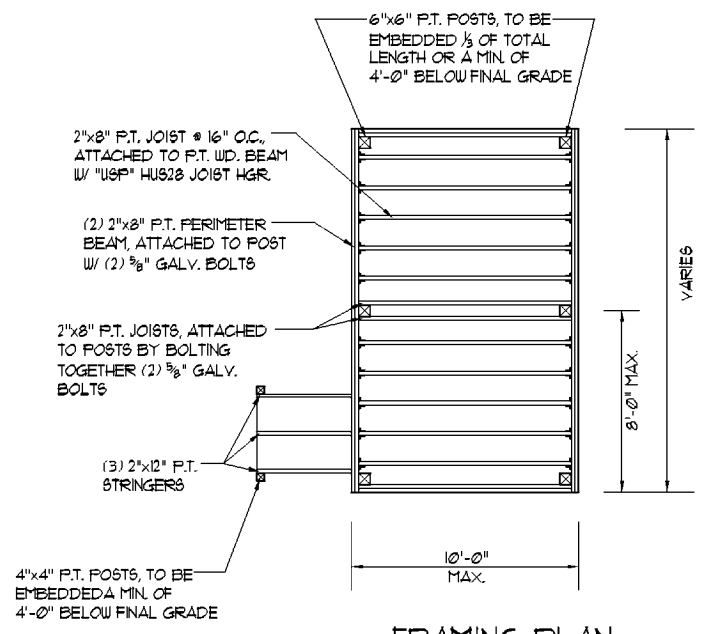
FRONT VIEW
SCALE: N.T.S.

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

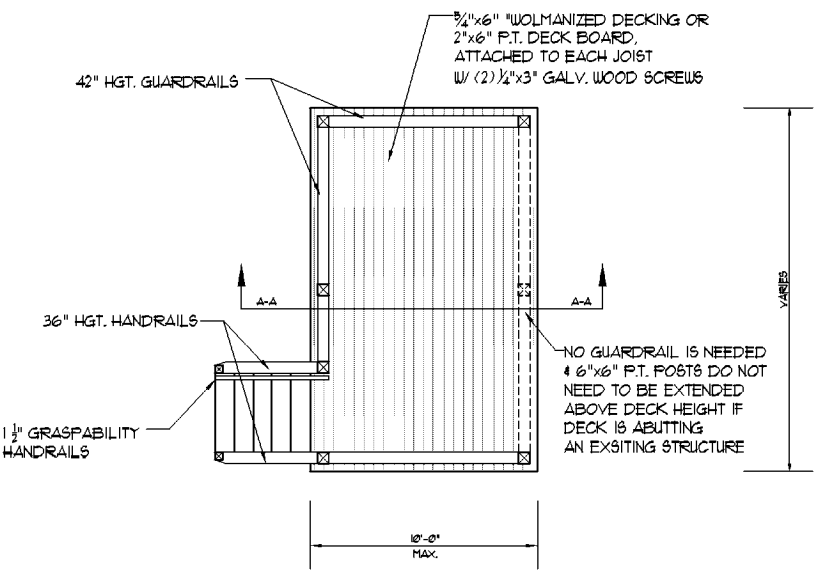
DESIGN PARAMETERS:	
APPLICABLE CODES: <input checked="" type="checkbox"/> 2017 FLORIDA BUILDING CODE, RESIDENTIAL, SIXTH EDITION <input checked="" type="checkbox"/> 2017 FLORIDA BUILDING CODE, MECHANICAL, SIXTH EDITION <input checked="" type="checkbox"/> 2017 FLORIDA BUILDING CODE, PLUMBING, SIXTH EDITION <input checked="" type="checkbox"/> 2017 FLORIDA BUILDING CODE, ENERGY CONSERVATION, SIXTH EDITION <input checked="" type="checkbox"/> 2017 FLORIDA BUILDING CODE, ACCESSIBILITY, SIXTH EDITION <input checked="" type="checkbox"/> FLORIDA FIRE PROTECTION CODE, SIXTH EDITION <input checked="" type="checkbox"/> 2014 NATIONAL ELECTRICAL CODE <input checked="" type="checkbox"/> NATIONAL FIRE PROTECTION CODE, NFPA 101 (LIFE SAFETY)	WIND SPEED: <input checked="" type="checkbox"/> 160 MPH=ULTIMATE DESIGN WIND SPEED (3-SECOND GUST) <input checked="" type="checkbox"/> 124 MPH=NOMINAL DESIGN WIND SPEED (FASTEST MILE)
BUILDING OCCUPANCY CLASSIFICATION: <input type="checkbox"/> GROUP A - ASSEMBLY <input type="checkbox"/> GROUP B - BUSINESS <input type="checkbox"/> GROUP D - DAY CARE CENTER <input type="checkbox"/> GROUP E - EDUCATIONAL <input type="checkbox"/> GROUP F - FACTORY INDUSTRIAL <input type="checkbox"/> GROUP H - HAZARDOUS <input type="checkbox"/> GROUP I - INSTITUTIONAL <input type="checkbox"/> GROUP M - MERCANTILE <input checked="" type="checkbox"/> GROUP R - RESIDENTIAL <input type="checkbox"/> GROUP S - STORAGE	SURFACE ROUGHNESS CATEGORY: <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> D EXPOSURE CATEGORY: <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> D WINDBORNE DEBRIS REGION: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NOT APPLICABLE FOR SHEDS
BUILDING CONSTRUCTION TYPE: <input type="checkbox"/> TYPE I-A <input type="checkbox"/> TYPE II-B <input type="checkbox"/> TYPE IV <input type="checkbox"/> TYPE I-B <input type="checkbox"/> TYPE III-A <input type="checkbox"/> TYPE V-A <input type="checkbox"/> TYPE II-A <input type="checkbox"/> TYPE III-B <input checked="" type="checkbox"/> TYPE V-B	INTERNAL PRESSURE COEFFICIENTS: <input type="checkbox"/> 0.00 (OPEN) <input type="checkbox"/> +0.18, -0.18 (ENCLOSED) <input type="checkbox"/> +0.25, -0.25 (PARTIALLY ENCLOSED)
RISK CATEGORY: <input type="checkbox"/> I <input checked="" type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV	COMPONENTS AND CLADDING PRESSURES: ZONE 1: +2.1 / -91.4 ZONE 2: +24.2 / -67.5 ZONE 3: +26.5 / -108.5 ZONE 4: +44.0 / -47.1 ZONE 5: +44.0 / -57.5
WIND LOADS: (WIND LOADS ARE BASED ON CH. 26 THRU 30 OF ASCE 7)	GEOTECHNICAL INFO: (FOUNDATIONS ARE BASED ON A MINIMUM SOIL BEARING CAPACITY OF 2000 PSF)



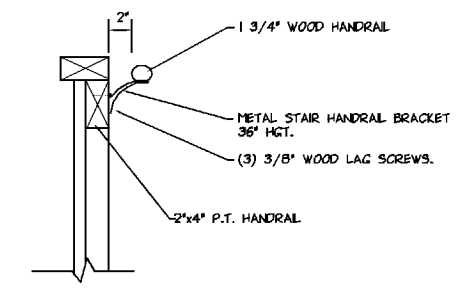
A-A TYPICAL WOOD FRAME DECK SECTION
SCALE: N.T.S.



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



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



GRASPABILITY HANDRAIL DETAIL

Robert W. Case, P.E.
 cn=Robert W. Case, P.E.,
 o=LIS Engineering, LLC, ou=
 email=BOBC@LIS-E.COM,
 c=US
 '00'05-14:01:28 2018.02.20
 11.023

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

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

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

SCALE: AS NOTED
 DATE: DECEMBER 11, 2017
 SHEET

A1

RESMSTR18-0006

WOOD FRAMED DECK

GENERAL

- This building/structure has been designed in accordance with the Sixth Edition of the 2017 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 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 1609 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 2304.4.1 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 0.131-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.

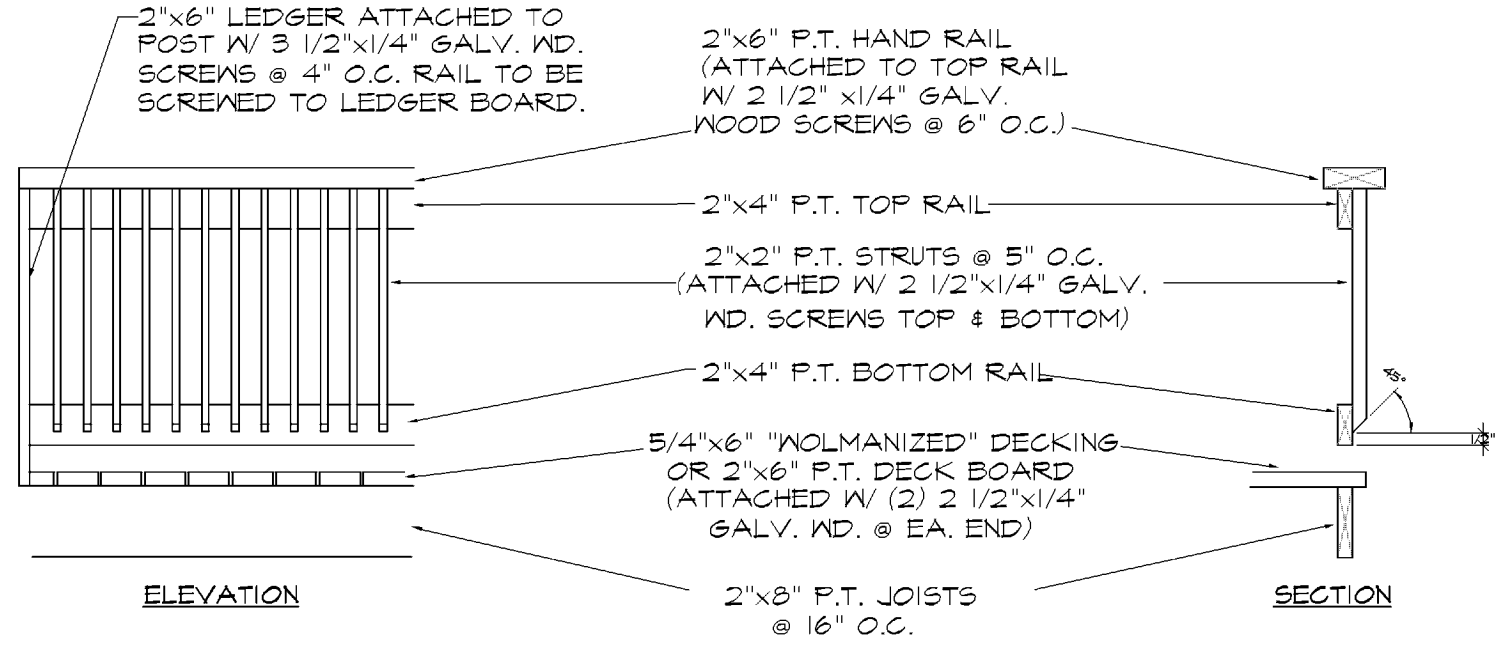
WOOD GENERAL

- All wood construction shall comply with the latest NFPA and AITC Specifications and Recommendations.
- Lumber standard shall be American Softwood Lumber Standard PS 20-10, S4S, 19% 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 Fb=1,300 PSI, E=1,600,000 PSI, and Fv = 95 PSI.
- Glue laminated timber shall conform with ASTM D-3757 and AITC 117. Roof beams shall be designated 24F-V1 or 24F-E1.
- 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.

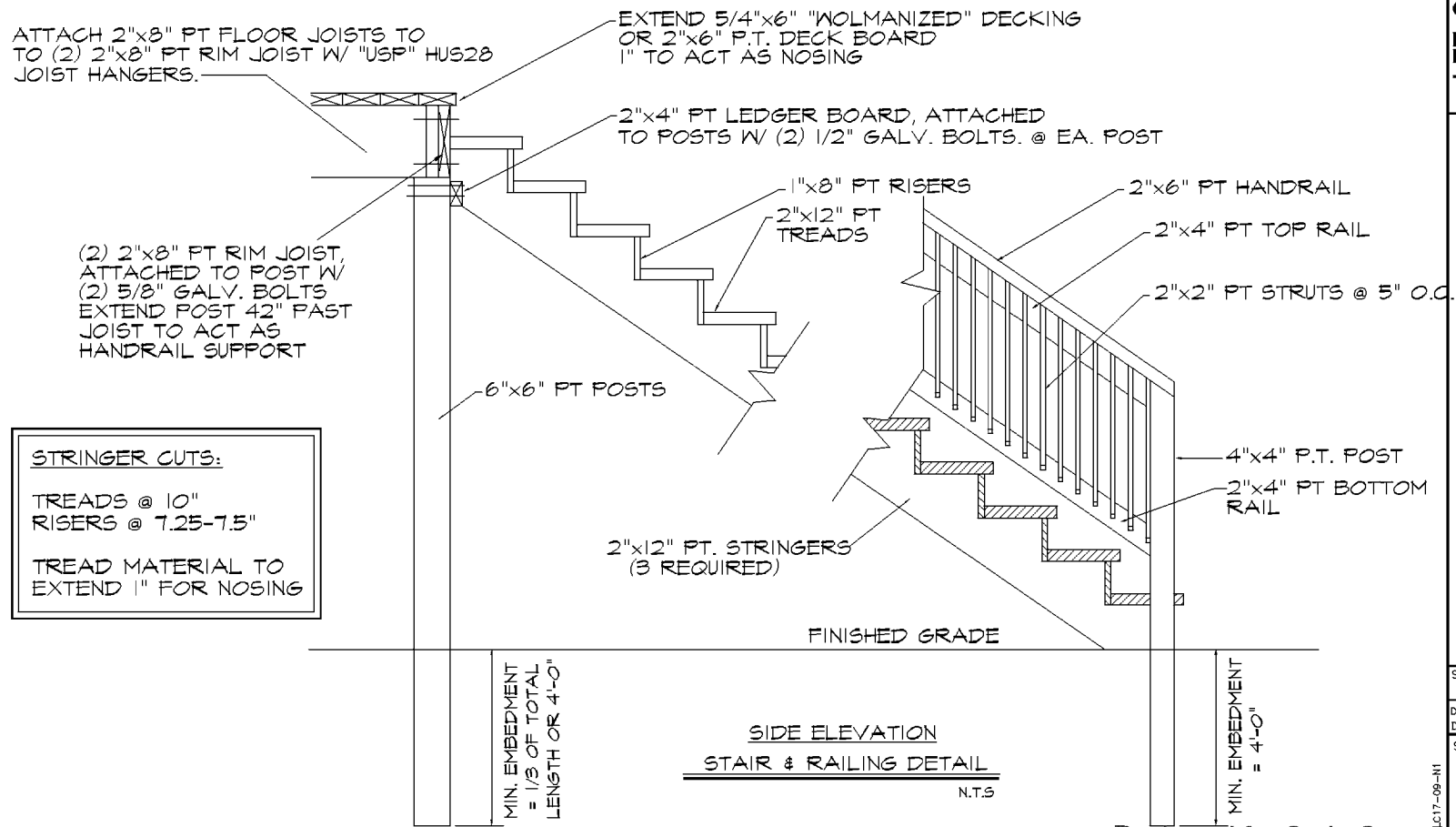
WOOD FLOORS

- 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 TFI 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. 2303.4, R502.11.4, and R502.10.1.
- Floor sheathing shall be 1/2" 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.
- 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 chosen 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			
LABEL	MANUFACTURER	DESCRIPTION	FASTENERS
(1)	USP	WOOD TO WOOD UPLIFT CONN. ASSY.	(4) 3/4" MB
(2)	HTA24	TRUSS/RAFTER ANCHOR	10-10d x 1-1/2"
(3)	TP4X	TOP/BOTTOM PLATE ANCHORS	10-10d
(4)	HC10	HURRICANE CLIP	9-11d - 9-10d
(5)	RT22T	TRUSS/RAFTER TIES	10-16d (24-16d w/ SIMPSON STRAP)
(6)	TDYS	ANCHOR BOWEN	(2) 5/8" MB - (1) 3/8" AB
(7)	RT30F	TRUSS/RAFTER TIES	10-16d
(8)	SH46	MAS. UPLIFT CONNECTOR	(2) 3/4" MB - (4) 1/2" AB
(9)	HTA20	TRUSS ANCHOR, HIGH UPLIFT	16-10d x 1-1/2"
(10)	PAE3	PURLIN ANCHOR	10-16d
(11)	HC10-E	HURRICANE CLIP	9-11d - 9-10d
(12)	USCF7	TRUSS/RAFTER TIES	(2) 16d - (4) 3/4" AB



PORCH RAIL DETAIL
N.T.S.



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

SCALE: AS NOTED
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SHEET

N1