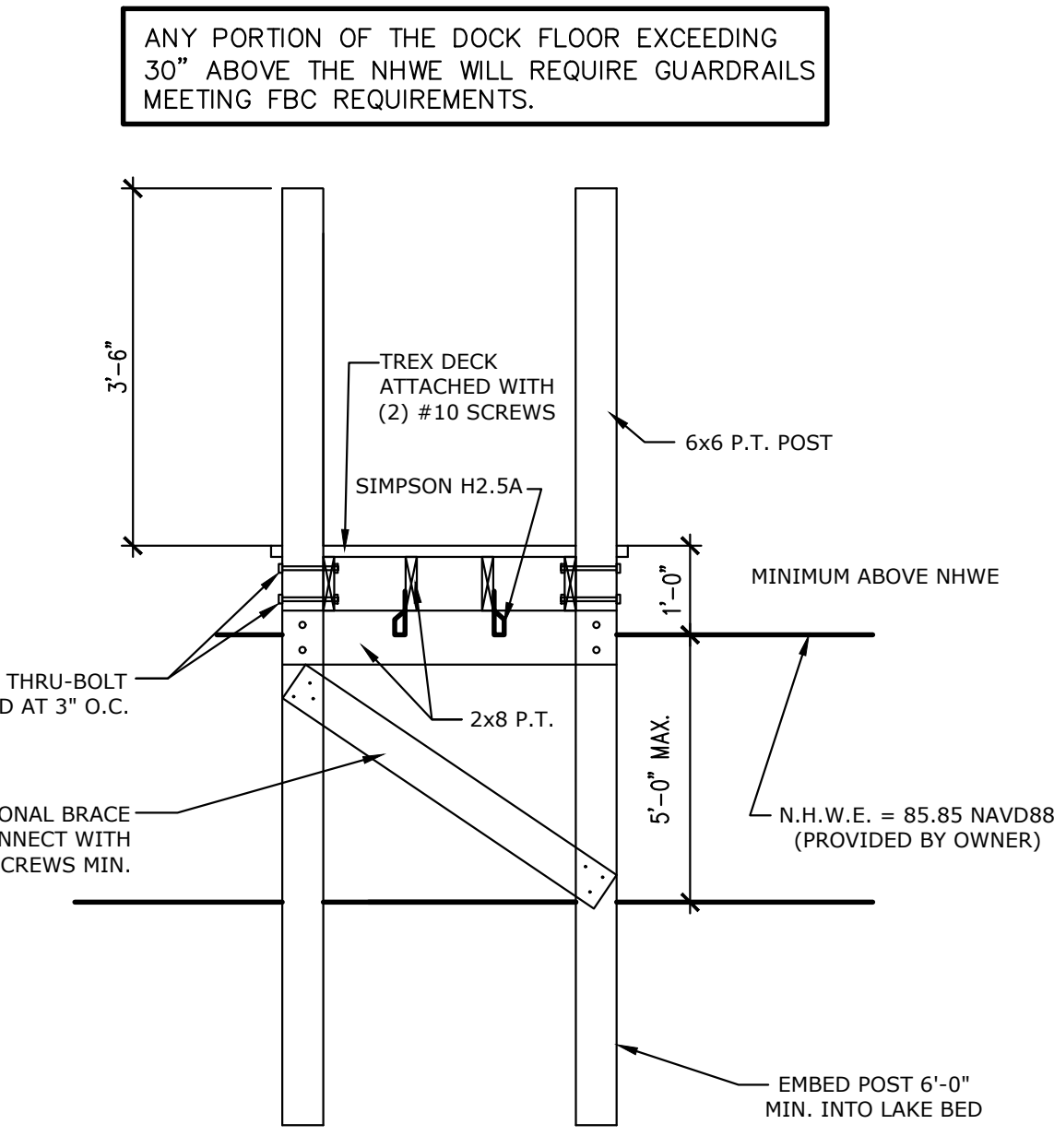
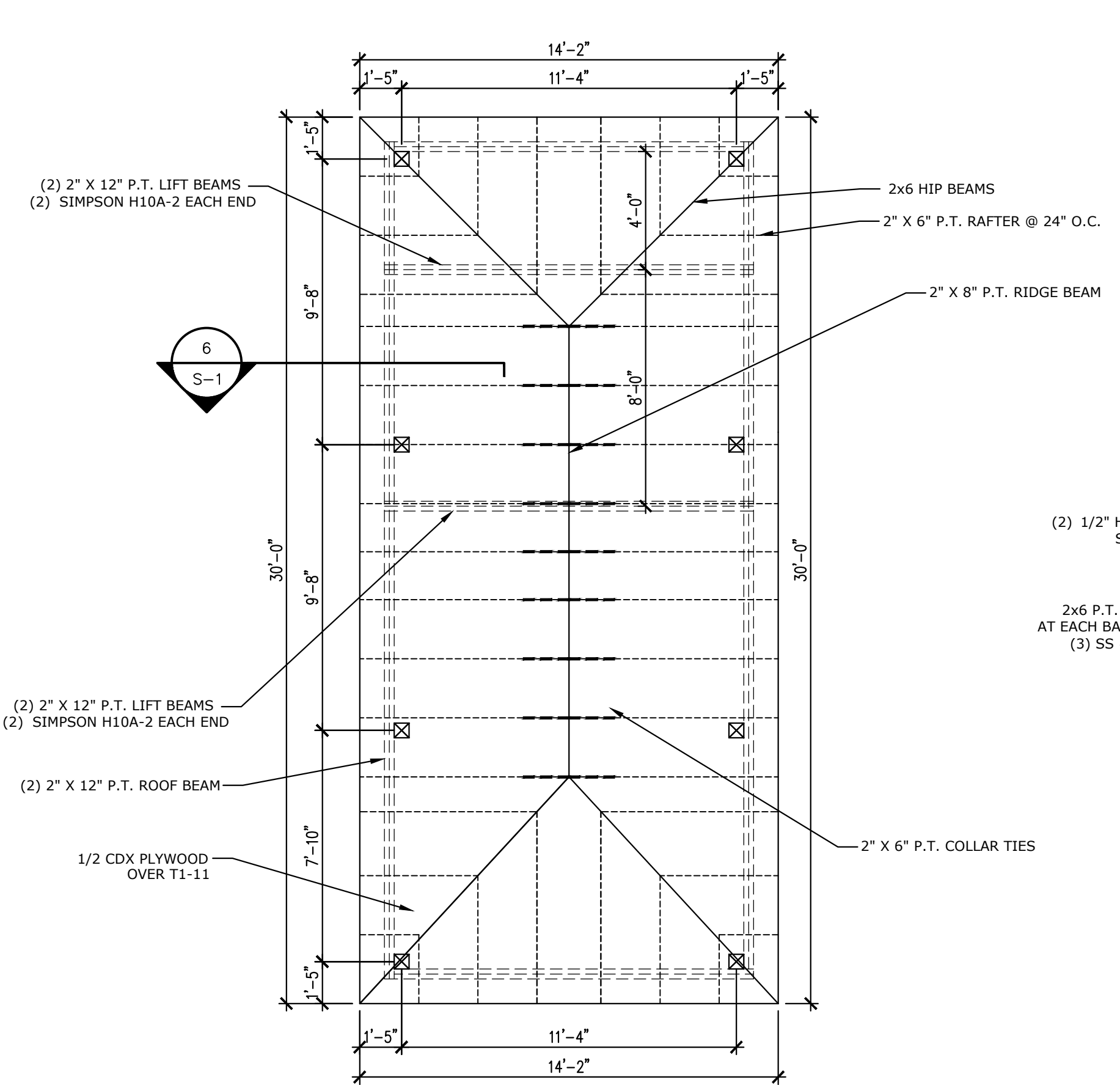
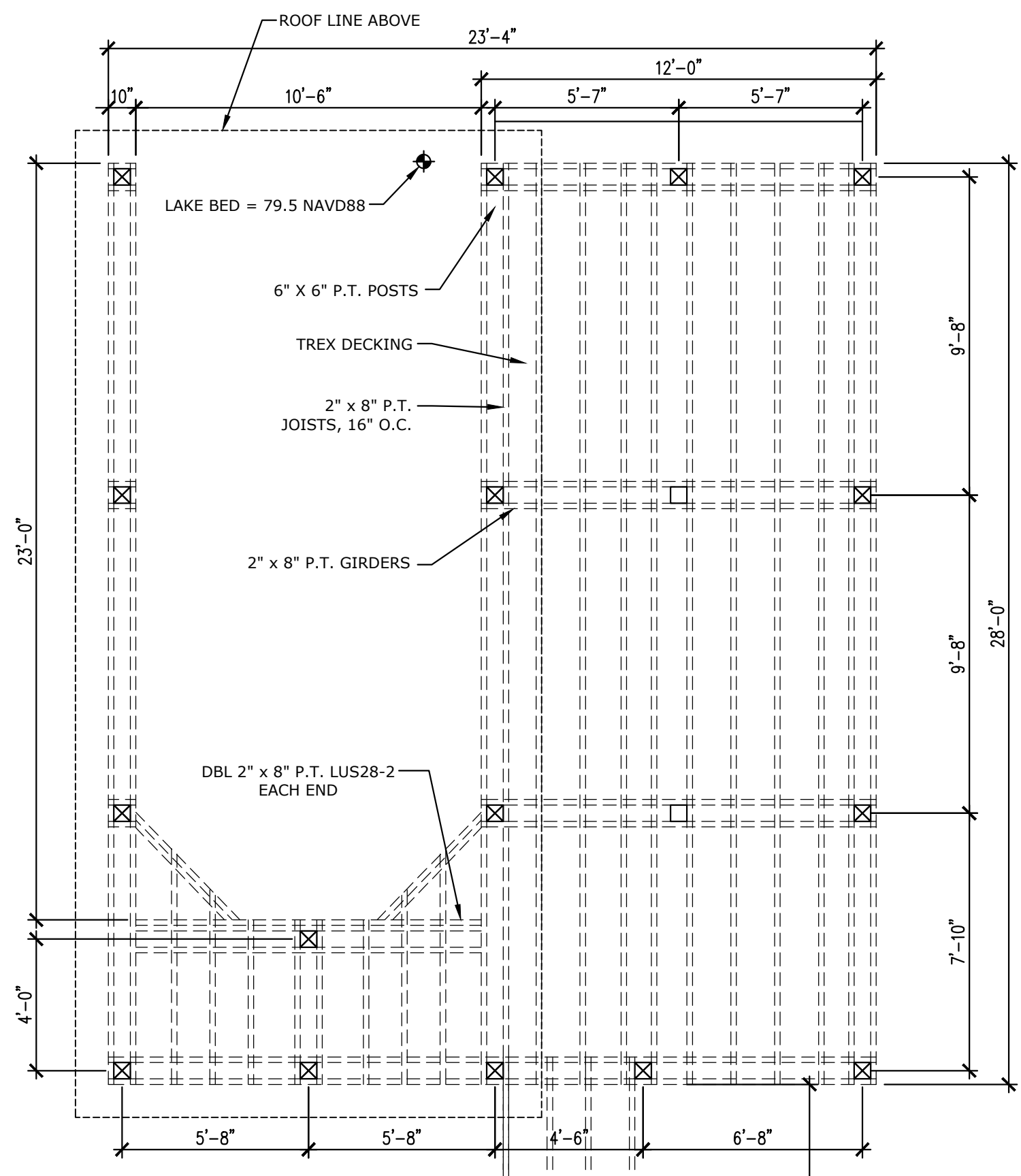


1. BUILDING CODES
 - A. ALL CONSTRUCTION SHALL CONFORM WITH THE 2020 (7th EDITION) FLORIDA BUILDING CODE.
 - B. IN ADDITION, ALL CONSTRUCTION SHALL CONFORM WITH THE GOVERNING LOCAL BUILDING CODE OR LOCAL JURISDICTIONAL REQUIREMENTS.
2. DESIGN LOADS
 - A. THE DESIGN DEAD LOADING FOR ALL FRAMING IS BASED ON THE CONSTRUCTION MATERIALS SHOWN ON THE DRAWINGS AND INDICATED IN THE SPECIFICATIONS. ALL FRAMING IS DESIGNED FOR THE FOLLOWING UNIFORM DEAD LOADS APPLIED IN ADDITION TO STRUCTURE SELF WEIGHT:
 - DECK MATERIALS.....10PSF
 - WALKWAY DOCKS.....40PSF
 - B. THE MINIMUM DESIGN UNIFORMLY DISTRIBUTED LIVE LOADING FOR ALL NEW FRAMING SHALL BE AS FOLLOWS:
 - WALKWAY DOCKS.....40PSF
 - C. WIND LOADING

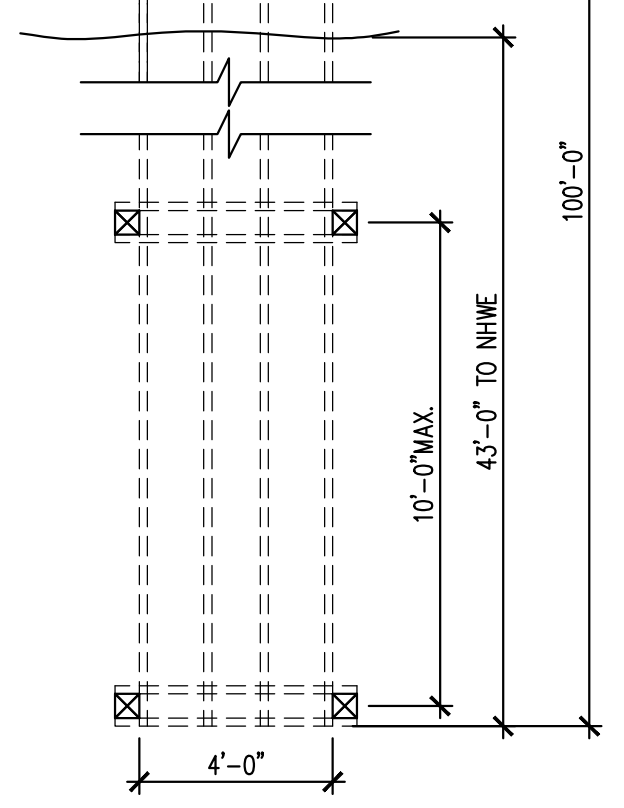
DESIGN WIND SPEED $V_{ult} = 139$ MPH ($V_{sust} = 108$ MPH)
 BUILDING RISK CATEGORY = II
 WIND EXPOSURE CATEGORY = B
 BUILDING PRESSURE COEFF. = N/A
 - D. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR THE METHOD OF CONSTRUCTION AND SHALL PROVIDE ALL TEMPORARY BRACING AND SHORING REQUIRED TO MAINTAIN THE STABILITY OF THE STRUCTURE AND TO SUPPORT CONSTRUCTION LOADS DURING CONSTRUCTION, INCLUDING SOILS ON WALLS FROM BACKFILLING PRIOR TO PLACING SLABS ON GRADE. DESIGN OF ALL BRACING IS THE CONTRACTOR'S RESPONSIBILITY. ANY SHORING OR BRACING ENGINEERING SHALL BE BY OTHERS, AND DRAWINGS SIGNED AND SEALED BY A LICENSED PROF. ENGINEER IN THE STATE OF FLORIDA SHALL BE SUBMITTED FOR APPROVAL.
3. WOOD
 - A. ALL STRUCTURAL SHEATHING SHALL CONFORM TO THE DESIGN SPECIFICATIONS OF THE AMERICAN PLYWOOD ASSOCIATION, APA PS 1. PLYWOOD SHALL HAVE A MINIMUM OF THREE CONTINUOUS SPANS WITH FACE GRAIN PERPENDICULAR TO SUPPORTS. ALL SHEATHING SHALL BE SPAN RATED FOR THE LOADS AND FRAMING SPACING AS INDICATED ON THE DRAWINGS.
 - B. ROOF SHEATHING:
 - USE 15/32" CDX PLYWOOD (MIN.) FOR ROOF SHEATHING. FASTEN TO ROOF TRUSSES W/ 8d RING SHANK NAILS @ 6" O.C. AT ALL EXTERIOR SUPPORTS AND BLOCKING AND 6" O.C. AT ALL INTERIOR SUPPORTS. (MIN. PENETRATION 1-1/2") REDUCE NAIL SPACING TO 4" O.C. WITHIN 3'-0" OF ALL ROOF EDGES. CONTRACTOR OPTION TO USE 15/32 PLYWOOD FOR ROOF SHEATHING WITH PANEL EDGE CLIPS AT ALL TRUSS SPACES.
 - C. VERTICAL WALL SHEATHING (GABLES, TRUSS HEELS ETC.):
 - USE 15/32" CDX PLYWOOD (MIN.) FOR WALL SHEATHING. FASTEN PLYWOOD TO STUDS W/ 8d NAILS @ 6" O.C. AT ALL EXTERIOR SUPPORTS AND BLOCKING AND 6" O.C. AT ALL INTERIOR SUPPORTS. (MIN. PENETRATION 1-1/2")
 - D. WOOD GRADE SHALL BE REGULAR SOUTHERN PINE NO. 2, 19% MOISTURE CONTENT MAX., $F_b = 1400$ psi MIN. 2x4 STUDS MAY BE SPRUCE OR PINE.
 - E. ALL MANUFACTURED/GLULAM/POWERBEAM/LVL MEMBERS TO HAVE A MINIMUM BENDING STRESS OF $F_b = 2250$ psi.
 - F. ALL DOUBLE AND TRIPLE BEAMS TO BE CONNECTED WITH 12d NAILS AT 16" O.C. STAGGERED, MIN.
 - G. ALL SIMPSON CONNECTORS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS, INCLUDING NUMBER, LENGTH AND DIAMETER OF FASTENER. WHERE CONNECTOR HAS MULTIPLE OPTIONS FOR NUMBER OF NAIL HOLES TO BE FILLED, THE MAX. NUMBER OF NAIL HOLES SHOULD BE FILLED U.N.O.
 - H. ALL EXTERIOR EXPOSED WOOD TO BE P.T., ALL FASTENERS AND CONNECTORS TO P.T. WOOD TO BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.



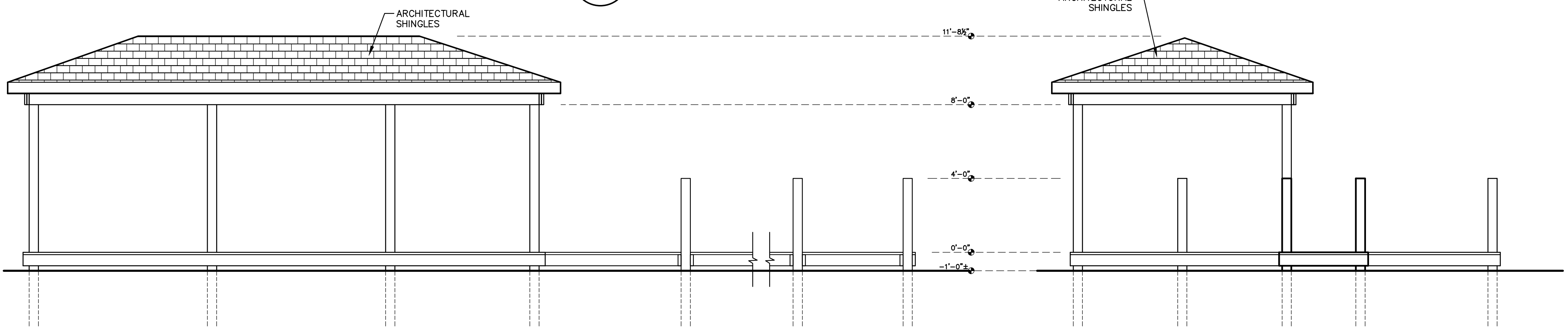
7 DOCK WALKWAY SECTION
SCALE: 1/2" = 1'-0"

1 GEN. STRUCTURAL NOTES
SCALE: N.T.S.

NOTES:
NO NEW FILL WILL BE IMPORTED
SQUARE FOOTAGE:
DOCK - 653 S.F.
DOCK NOT COVERED BY ROOF - 285 S.F.)
ROOF - 425 S.F.
WALKWAY - 483 S.F.
TOTAL - 1,136 S.F.

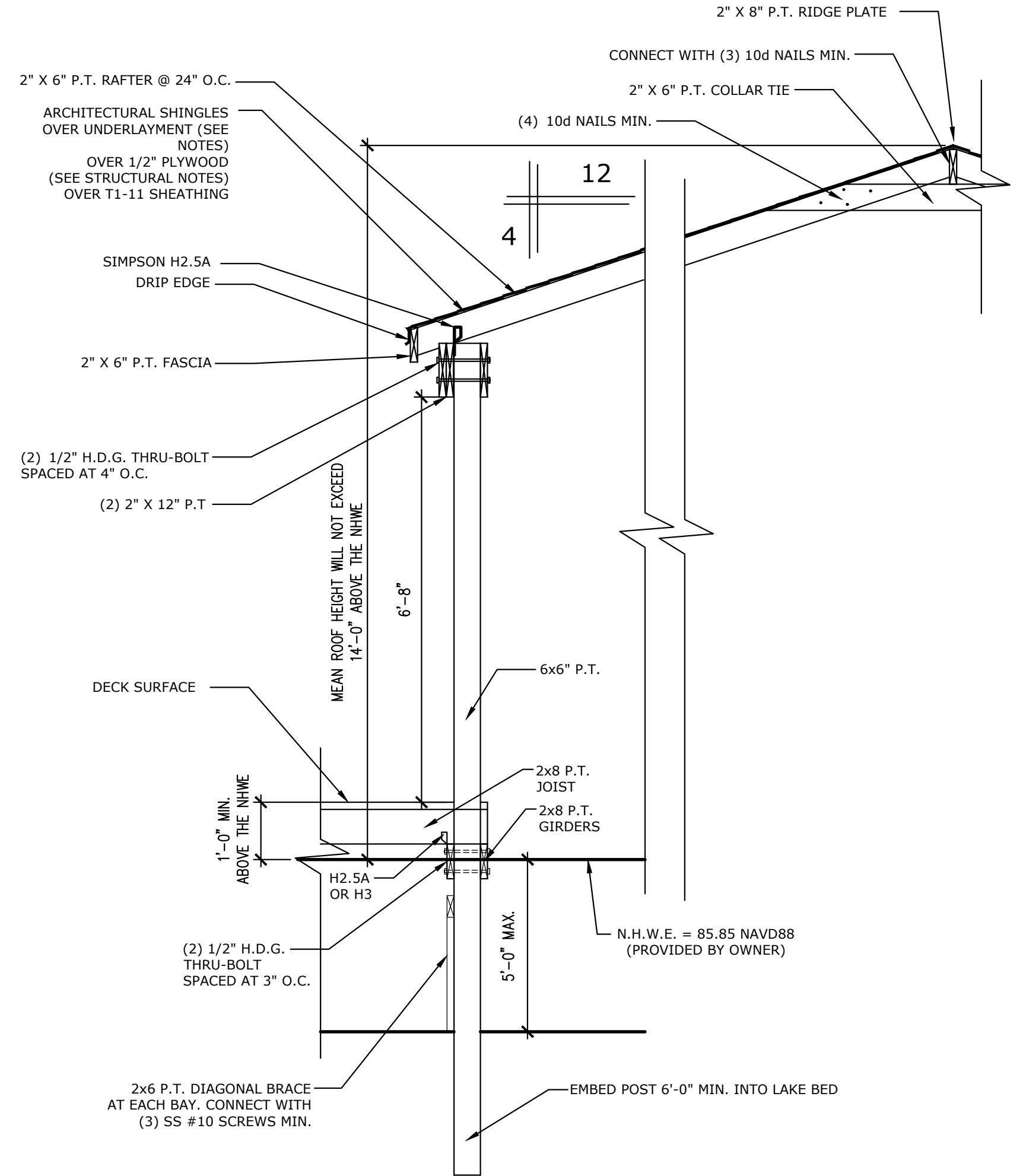


2 DOCK FRAMING PLAN
SCALE: 1/4" = 1'-0"



4 SIDE ELEVATION
SCALE: 1/4" = 1'-0"

5 FRONT ELEVATION
SCALE: 1/4" = 1'-0"



6 DOCK SECTION
SCALE: 1/2" = 1'-0"

ISSUED FOR									
DATE									
<p>DANIEL SOUTER, P.E. P.E. # 63901 P.O. BOX 547774 ORLANDO, FL 32854 PHONE: (407) 421-4866</p> <p>alba ENGINEERING C.A. #90556</p>									
<p>ALAN TWICHELL 3025 INDIAN DR. BELLE ISLE, FL 32812</p> <p>DOCK PLANS</p>									
DRAWN: EL									
DATE: 11.30.2022									
CHKD: DS									
FILE NAME: STRUCT									
PROJECT NUMBER: 22-423									
LICENSE NUMBER: DANIEL SOUTER, P.E. #63901									
SHEET NUMBER:									
S-1									