

TREPO - THREE RIVERS PARK

362 SW RIVERSIDE AVE., FT. WHITE

COLUMBIA COUNTY, FL 32038



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY

Christopher Q. Dicks
Professional Engineer
No. 64766
State of Florida
4037 SE County Road 292
Lake City, FL 32025

ON THE DATE ADJACENT TO THE SEAL.

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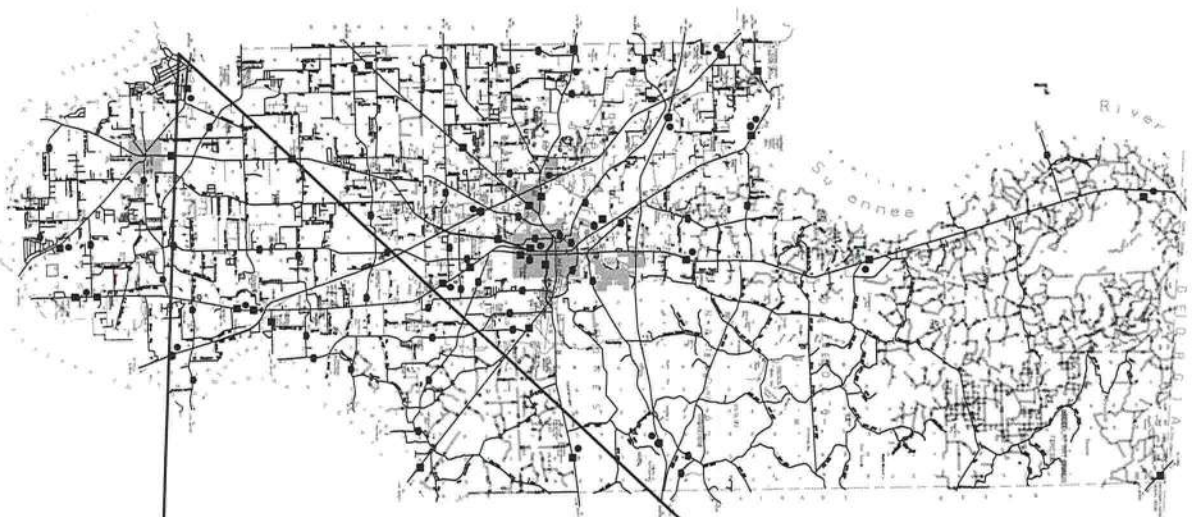
CHRISTOPHER Q. DICKS, P.E. NO. 64766
4037 SE COUNTY ROAD 292
LAKE CITY, FL 32025



THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

PLAN SHEET INDEX

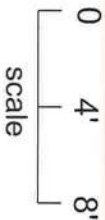
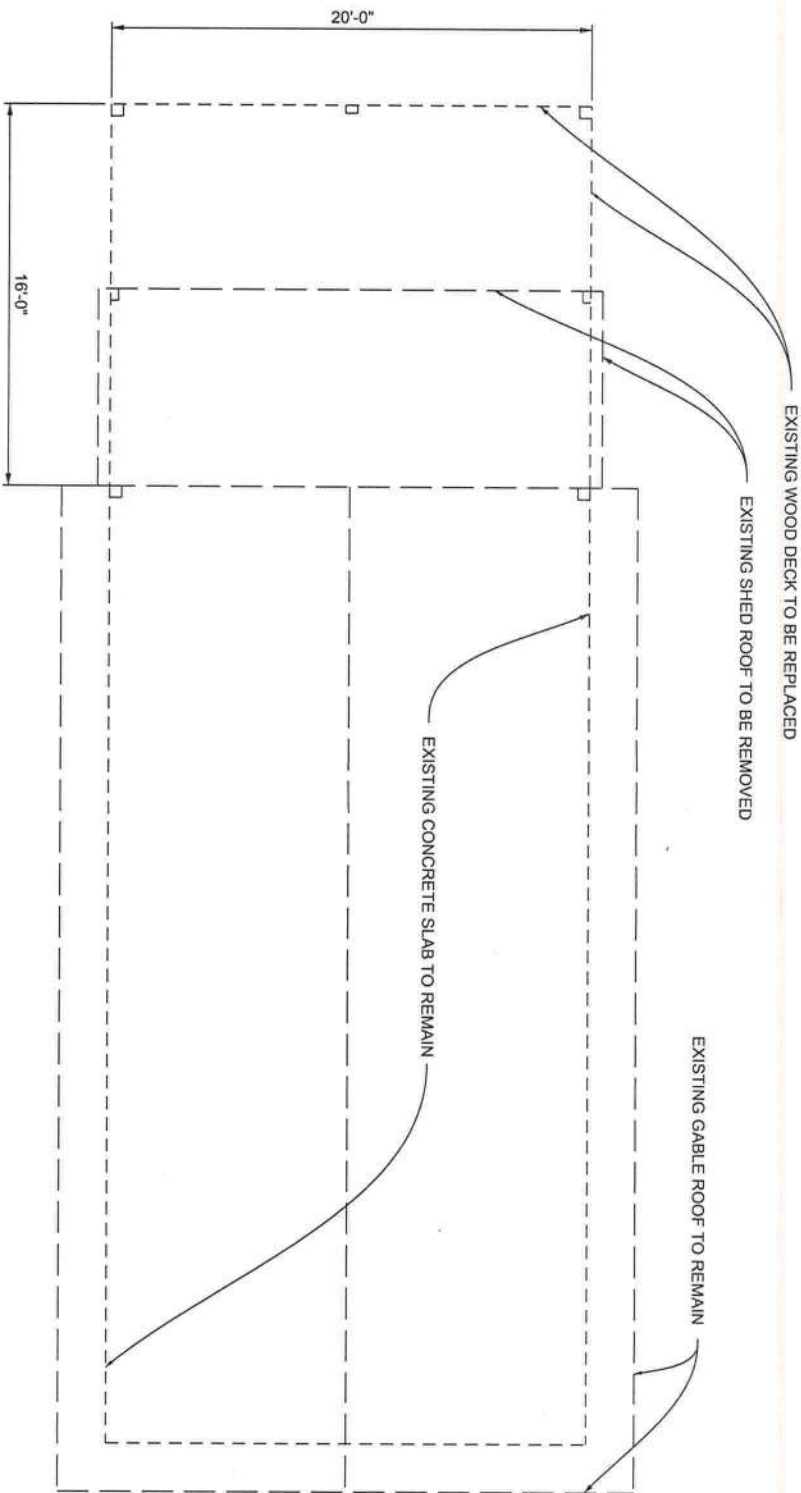
SHEET NO.	DESCRIPTION
1	TITLE / INDEX SHEET
2	EXISTING / PROPOSED STRUCTURE
3	TYPICAL WALL SECTION / DESIGN CRITERIA / STRAPPING AND ANCHORING
4	ELECTRICAL PLAN



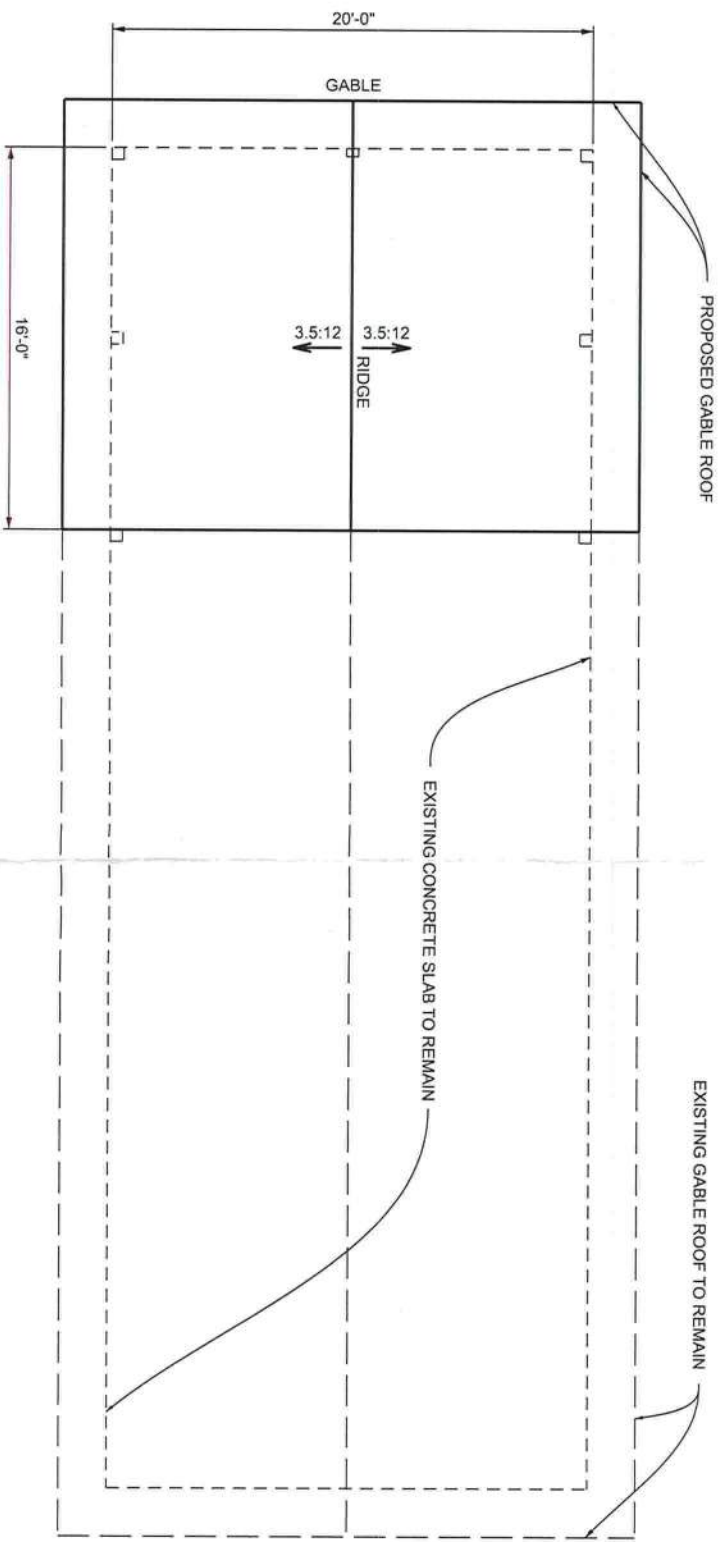
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COLUMBIA COUNTY, FLORIDA

PLANS PREPARED BY:
CHRISTOPHER Q. DICKS, P.E. 64766
4037 SE CR 252, LAKE CITY, FL 32025

SHEET
1
OF
4



EXISTING STRUCTURE



SQUARE FOOTAGE	
ADDITION	320 SF
TOTAL	320 SF

PROPOSED STRUCTURE IMPROVEMENT



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COLUMBIA COUNTY, FLORIDA

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DESIGN CRITERIA

1. DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 7TH EDITION (2020).
2. CODE REFERENCES:
BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-14)
SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS (ACI 301-16)
BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-13)
NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, 2015 EDITION
APA PLYWOOD DESIGN SPECIFICATION
NATIONAL ELECTRICAL CODE, 2017

3. ALL COMPONENTS, SYSTEMS AND EQUIPMENT NOT SPECIFICALLY COVERED BY THESE PLANS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE CODE(S).

4. PROJECT INFORMATION
OCCUPANCY GROUP: S
MEAN ROOF HEIGHT: 15'
ROOF CROSS SLOPE: 3.5:12 (see elevations)
WALL HEIGHT: 10' above floor
ROOF SNOW LOAD: ZERO psf
SEISMIC DESIGN CATEGORY: A
FLOOD DESIGN DATA: ZONE AE - Base Flood Elevation 33'

5. WIND LOADS IN ACCORDANCE WITH ASCE MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE 7)

FLOOR AND ROOF LIVE LOADS
UNINHABITABLE ATTICS:
ROOFS: 20 psf
20 psf

WIND DESIGN DATA
ULTIMATE DESIGN WIND SPEED, Vult, (3-SECOND GUST): 120 mph
NOMINAL DESIGN WIND SPEED, Vnsd 93 mph
EXPOSURE CATEGORY: B
IMPORTANCE FACTOR: 1.0
RISK CATEGORY: I
ENCLOSURE CLASSIFICATION: OPEN

COMPONENT AND CLADDING DESIGN PRESSURES (psf)

ROOF ZONE 1 11.14 -10.80
ROOF ZONE 2: 17.20 -16.70
ROOF ZONE 3: 22.27 -21.60

6. STRUCTURAL DESIGN CRITERIA

LIVE LOADS
ROOF: 20 psf
RESIDENTIAL FLOOR: 40 psf

WIND LOADS (BASED ON ASCE 7-16)
VELOCITY: 120 mph, USE FACTOR 1.0

CONCRETE STRENGTH @ 28 DAYS: 3000 psi

WOOD FRAMING:
BEAMS, RAFTERS, JOIST, PLATES, ETC. U.N.O.
NO. 2 SOUTHERN YELLOW PINE (19% M.C.)
ROOF DECK: PLYWOOD C-C-C-D, EXTERIOR OR OSB
WALL SHEATING: PLYWOOD C-C-C-D, EXTERIOR OR OSB

WOOD ROOF TRUSSES (DESIGN LOADS):
TOP CHORD LIVE AND DEAD LOAD 30 psf
BOTTOM CHORD DEAD LOAD 10 psf
TOTAL 40 psf

SOIL BEARING VALUE:
ASSUMED ALLOWABLE SOIL BEARING PRESSURE AFTER COMPACTION: 2000 psf

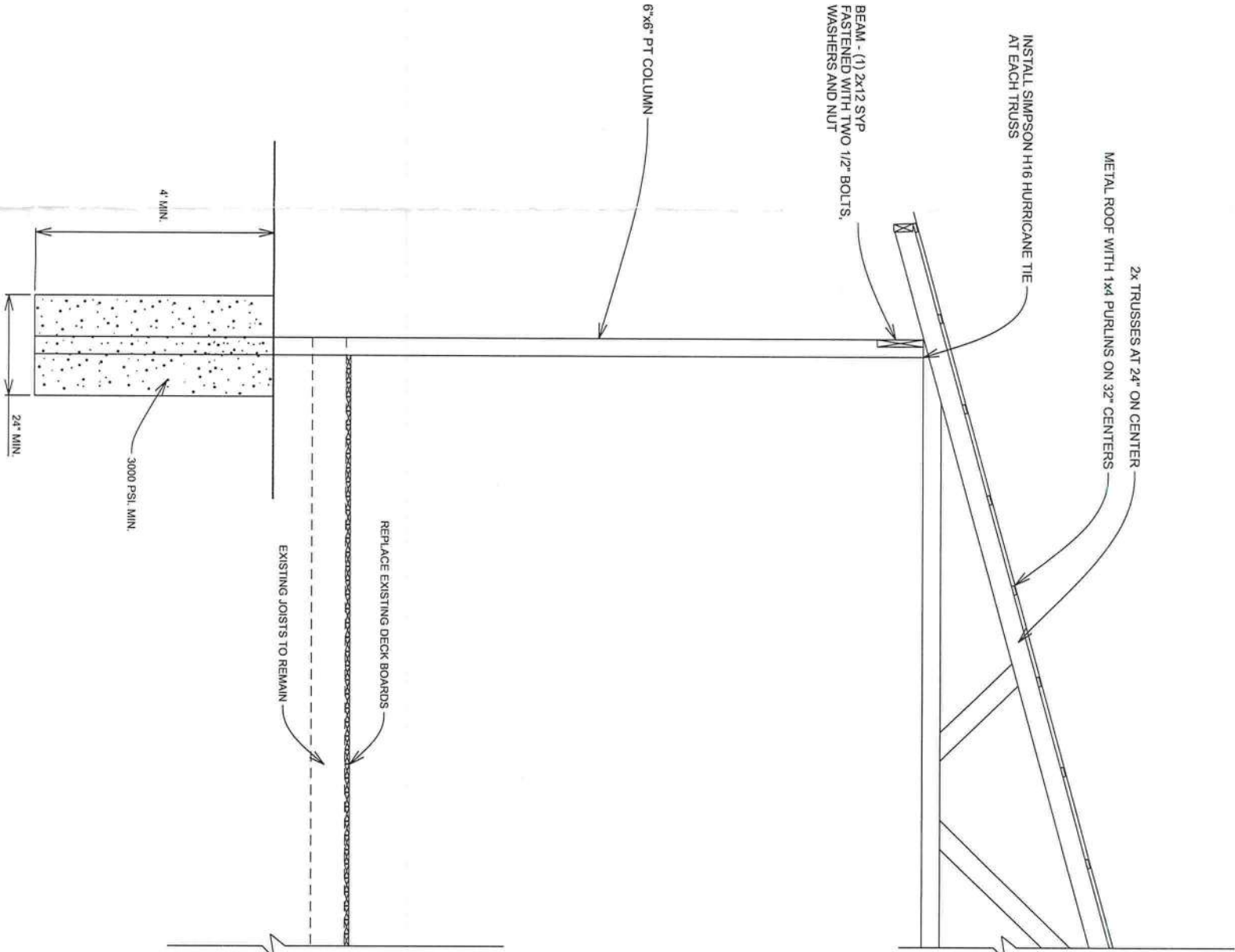
TRUSS ANCHORS:

Install the following Simpson anchor(s) at each truss to exterior wall/beam location(house, porches and garage).

Single ply trusses - install Simpson H10A

COLUMNS AND BEAMS:

Columns shall be 6"x6" PT.
Load Bearing Beam(s): 1 - 2 x 12 SYP
Connected with 2 1/2" bolts, washers, nuts

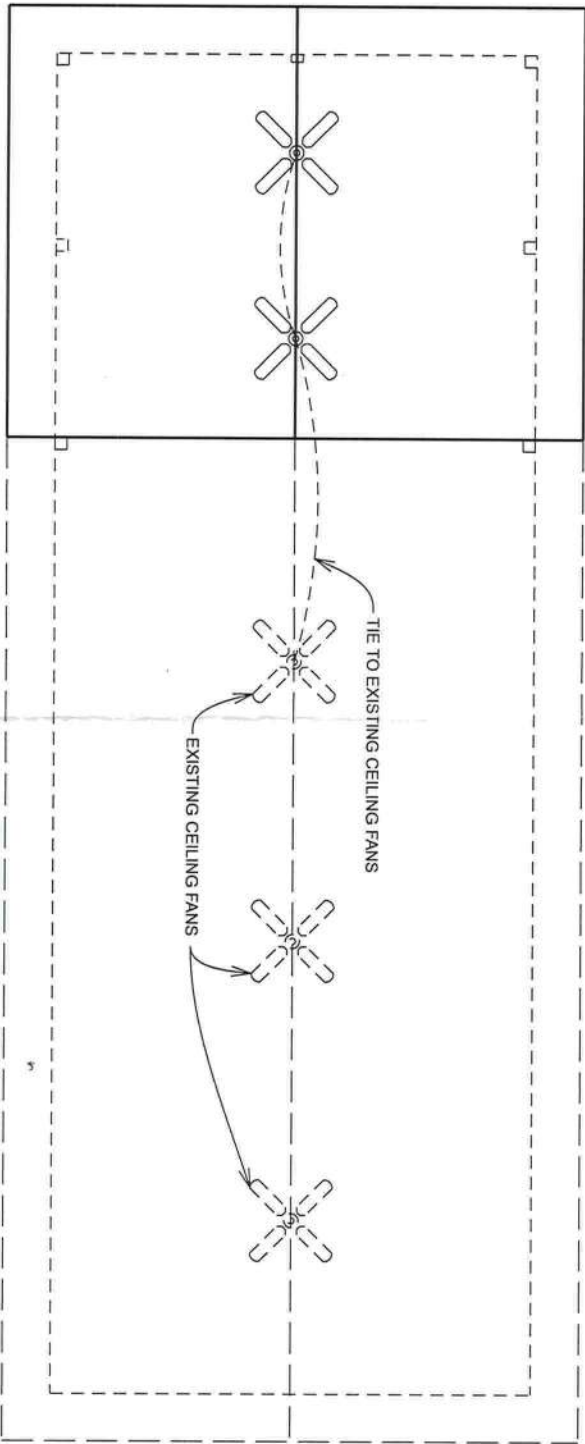
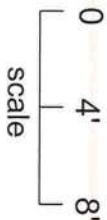


TYPICAL SECTION (N.T.S.)



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ELECTRICAL LEGEND



NOTES:

- 1. ALL ELECTRICAL COMPONENTS, EQUIPMENT AND SYSTEMS SHALL COMPLY WITH THE PROVISIONS OF NFPA 70, NATIONAL ELECTRICAL CODE (LATEST EDITION) AND THE FLORIDA BUILDING CODE (LATEST EDITION).

ELECTRICAL PLAN



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ADDENDUM LETTER

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The following is an addendum to the plans signed and sealed on 24 MAY 2023:

1. Construct trusses to match existing structure. Install Simpson HTP Tie Plate on both sides of each truss member to member connection. Fasten with either 0.148 x 1 ½" nails or SD Connector Screw #9 x 1 ½". Install Simpson H16 hurricane tie at each truss to beam connection.



This item has been digitally
Signed and sealed by

Christopher Q Dicks

Digitally signed by Christopher Q Dicks
DN: cn=Christopher Q Dicks,
dnQualifier=A01410D0000017F04A4C76A001156B7,
o=Florida, c=US
Reason: I am the author of this document
Date: 2023.05.19 08:49:13 -04'00'

On the date adjacent to the seal

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Lake City, FL 32025

