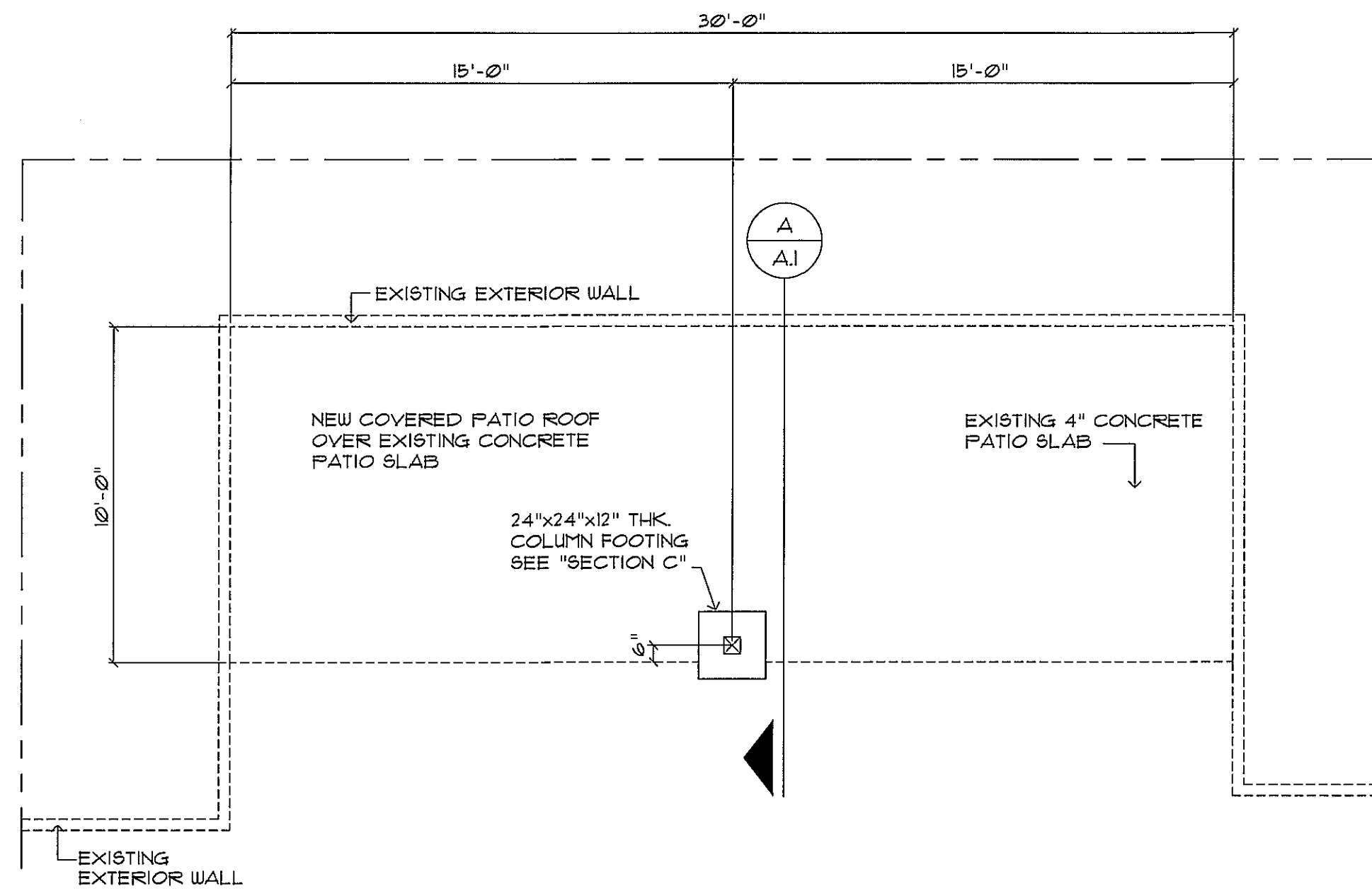
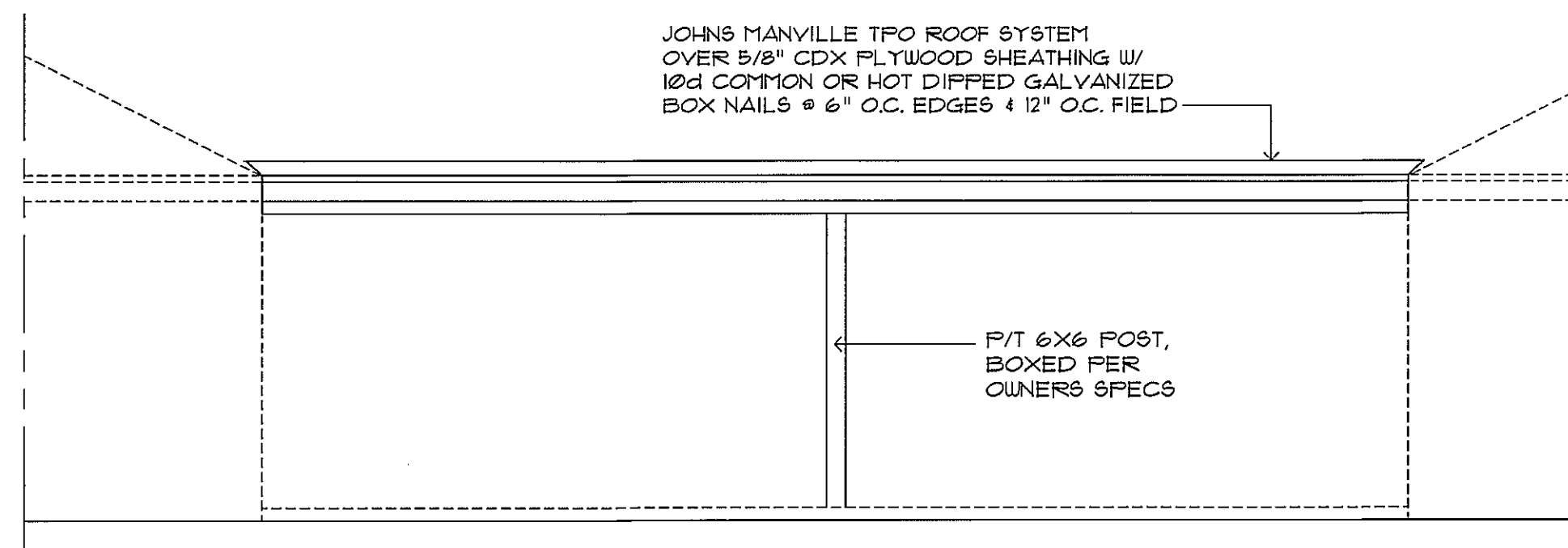




Floor Plan

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

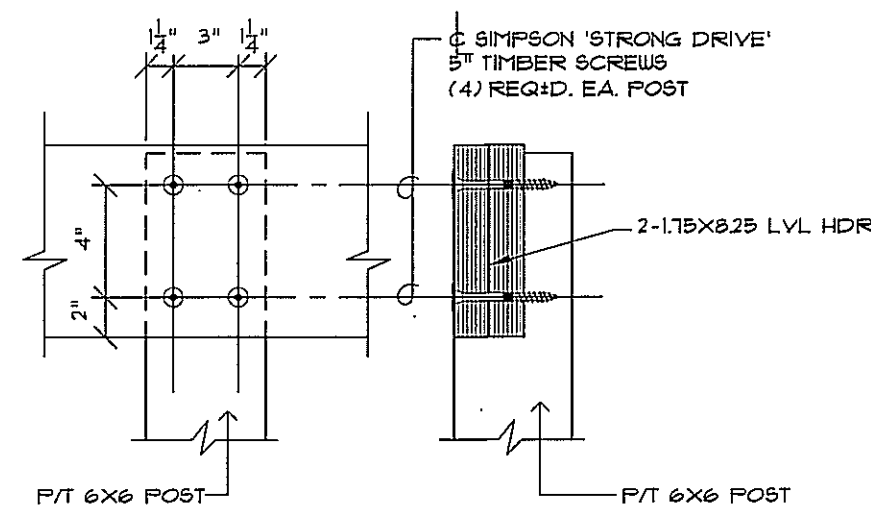


Front Elevation

SCALE : 3/8" = 1'-0"

Structural Design Data

- THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2017 FLORIDA BUILDING CODE - SECTION 1609 AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.
- WIND LOAD CRITERIA: RISK CATEGORY: 2, EXPOSURE: "B"
BASED ON ANSI/ASCE 7-10, 2017 FBC 1609-A WIND VELOCITY: $V_{ULT} = 130$ MPH
- ROOF DESIGN LOADS:
SUPERIMPOSED DEAD LOADS: 20 PSF
SUPERIMPOSED LIVE LOADS: 20 PSF
- FLOOR DESIGN LOADS:
SUPERIMPOSED DEAD LOADS: 25 PSF
SUPERIMPOSED LIVE LOADS:
RESIDENTIAL 40 PSF
BALCONIES 60 PSF
- WIND NET UPLIFT: ARE AS INDICATED ON PLANS



Detail 1

SCALE: N.T.S.
BEAM / POST CONNECTION

2017 FLORIDA BUILDING CODE COMPLIANCE SUMMARY

ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609, FLORIDA BUILDING CODE, 2017 EDITION.

TYPE OF CONSTRUCTION

Roof: Johns Manville TPO Roof System
Foundation: 24"x24"x12" THK. COLUMN FOOTING

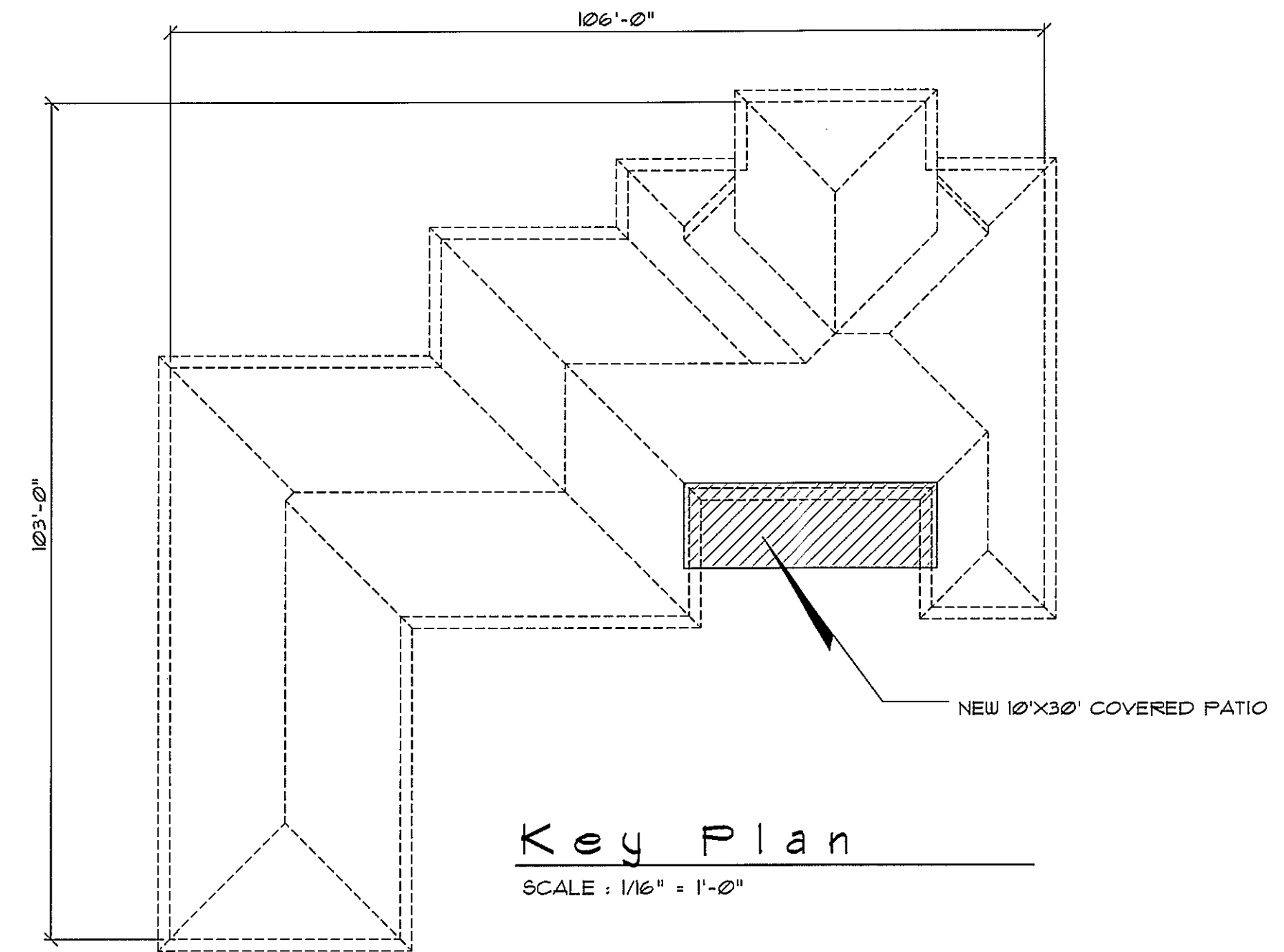
ROOF DECKING

Material: 5/8" CDX Plywood or 5/8" O.S.B.
Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing
Fasteners: See "Typ. Wall Section"

HURRICANE UPLIFT CONNECTORS

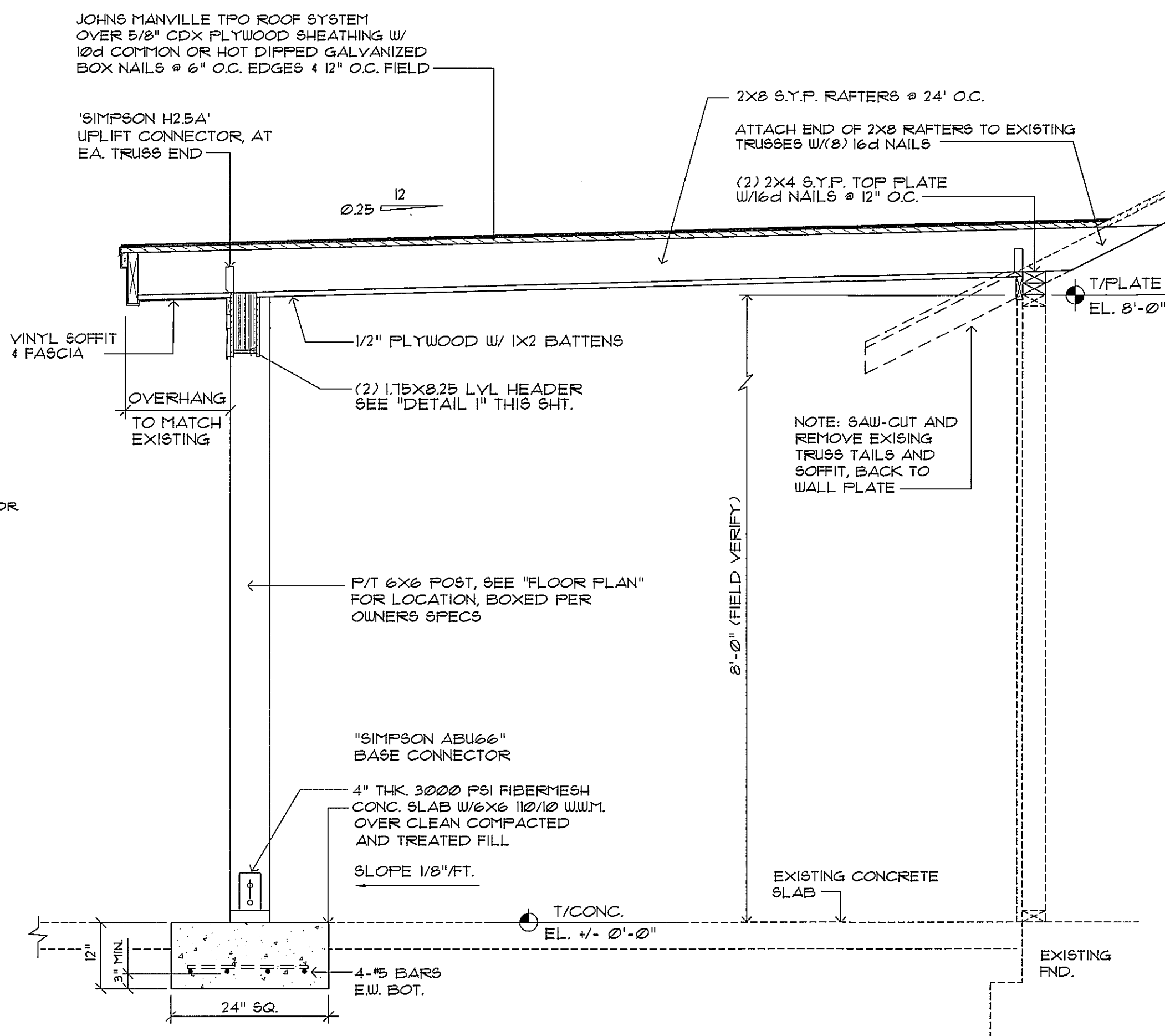
Rafters to Beam: "SIMPSON H25A" @ Ea. Truss End
Rafters to Plates: "SIMPSON H25A" @ Ea. Truss End
Beam to Post: "SIMPSON Strong Drive Timber Screws (4) Req'd. ea. Post"
Column Base: "SIMPSON ABU66"

BASIC WIND SPEED:	130 MPH
WIND IMPORTANCE FACTOR (I):	1 = 1.00
BUILDING CATEGORY:	CATEGORY II
WIND EXPOSURE:	"B"
INTERNAL PRESSURE COEFFICIENT:	+/- 0.18
MUFRS PER TABLE 1609.2A (FBC 2017) DESIGN WIND PRESSURES:	ROOF: - 23.1 PSF WALLS: + 26.6 PSF EAVES: + 32.3 PSF
COMPONENTS & CLADDING PER TABLES 1609.2B & 1609.2C (FBC 2017) DESIGN WIND PRESSURES:	OPNGS: + 21.8 / - 29.1 PSF EAVES: - 68.3 PSF ROOF: + 19.3 / - 25.5 PSF



Key Plan

SCALE : 1/16" = 1'-0"



Typical Column Section

SCALE 3/4" = 1'-0"

GENERAL CONCRETE NOTES:

- ALL CONCRETE WORK SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE STANDARD 318-11.
- ALL CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.
- ALL REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 40, EXCEPT AS NOTED.
- ALL REINFORCING STEEL SHALL HAVE A MIN. COVER OF 1" FOR SLABS, 1 1/2" FOR OTHER CONCRETE NOT EXPOSED TO WEATHER OR EARTH, 2" FOR CONCRETE EXPOSED TO WEATHER OR EARTH, AND 3" FOR CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH.
- UNLESS OTHERWISE NOTED, REINFORCED LAP SPLICES SHALL BE ACI CLASS B SPLICES USING THE FOLLOWING LAP LENGTHS:
#4 - 16"
#5 - 20"
#6 - 25"
#7 - 34"
- PRIOR TO PLACING CONCRETE, ALL REINFORCING STEEL SHALL BE FREE OF LOOSE RUST AND SCALE OR ANY FOREIGN MATERIAL.



REVISION:

DRAWN:

DJR

CUSTOM DESIGNED COVERED PATIO FOR:
Joe & Lisa Hutchingson
COLUMBIA COUNTY, FLORIDA
Exterior Elevations

DAVID J. ROYAL
ARCHITECTURAL DESIGNER
Brevard, Florida - 386-265-7328

NICHOLAS GEISLER
ARCHITECT
N.CARB. Certified
1155 N. US HWY 90
SUITE 200
DOVER, NC 27802
919-286-1435

DATE:
20 JULY 2020

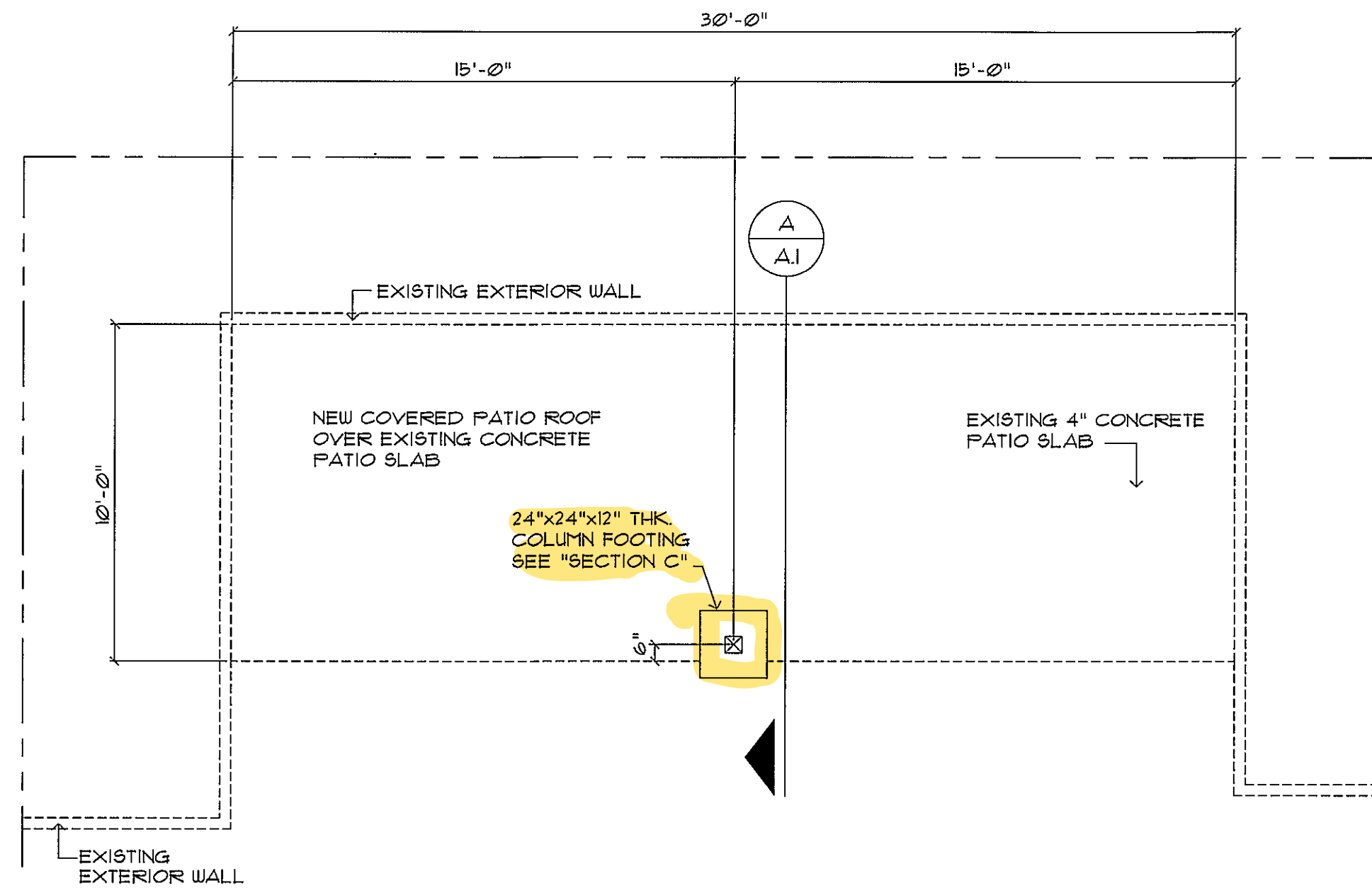
SHEET:

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1 OF 1

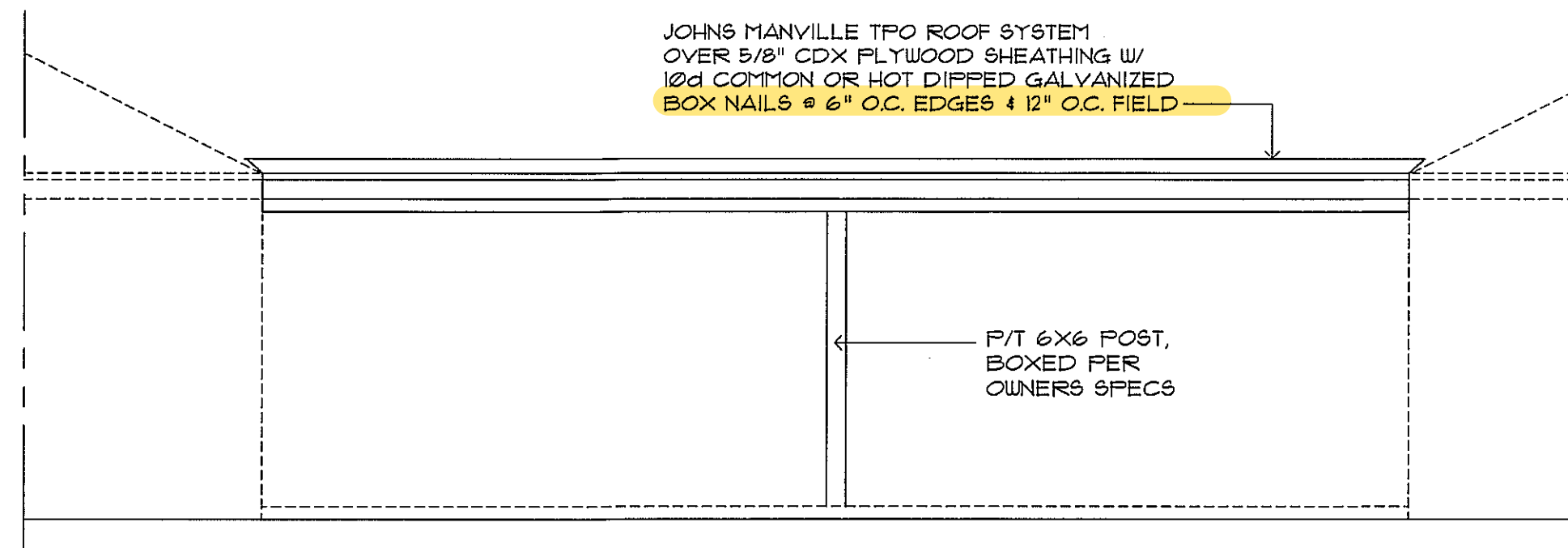
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Floor Plan

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

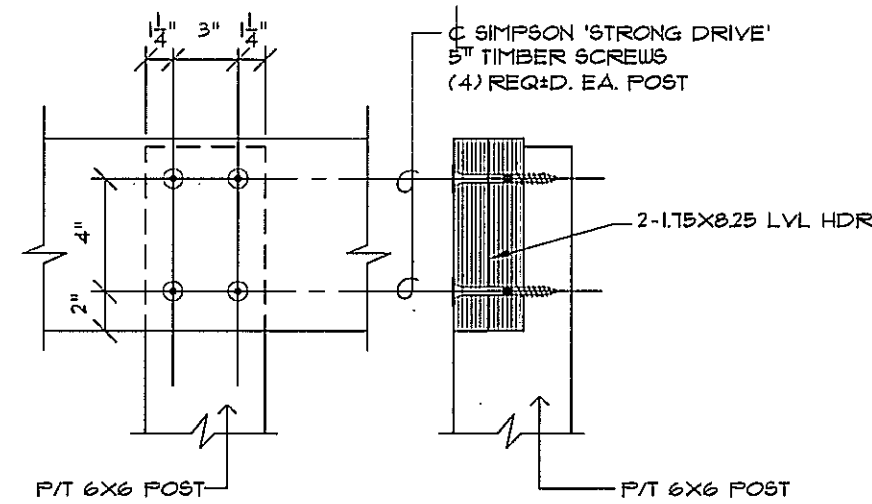


Front Elevation

SCALE: 3/8" = 1'-0"

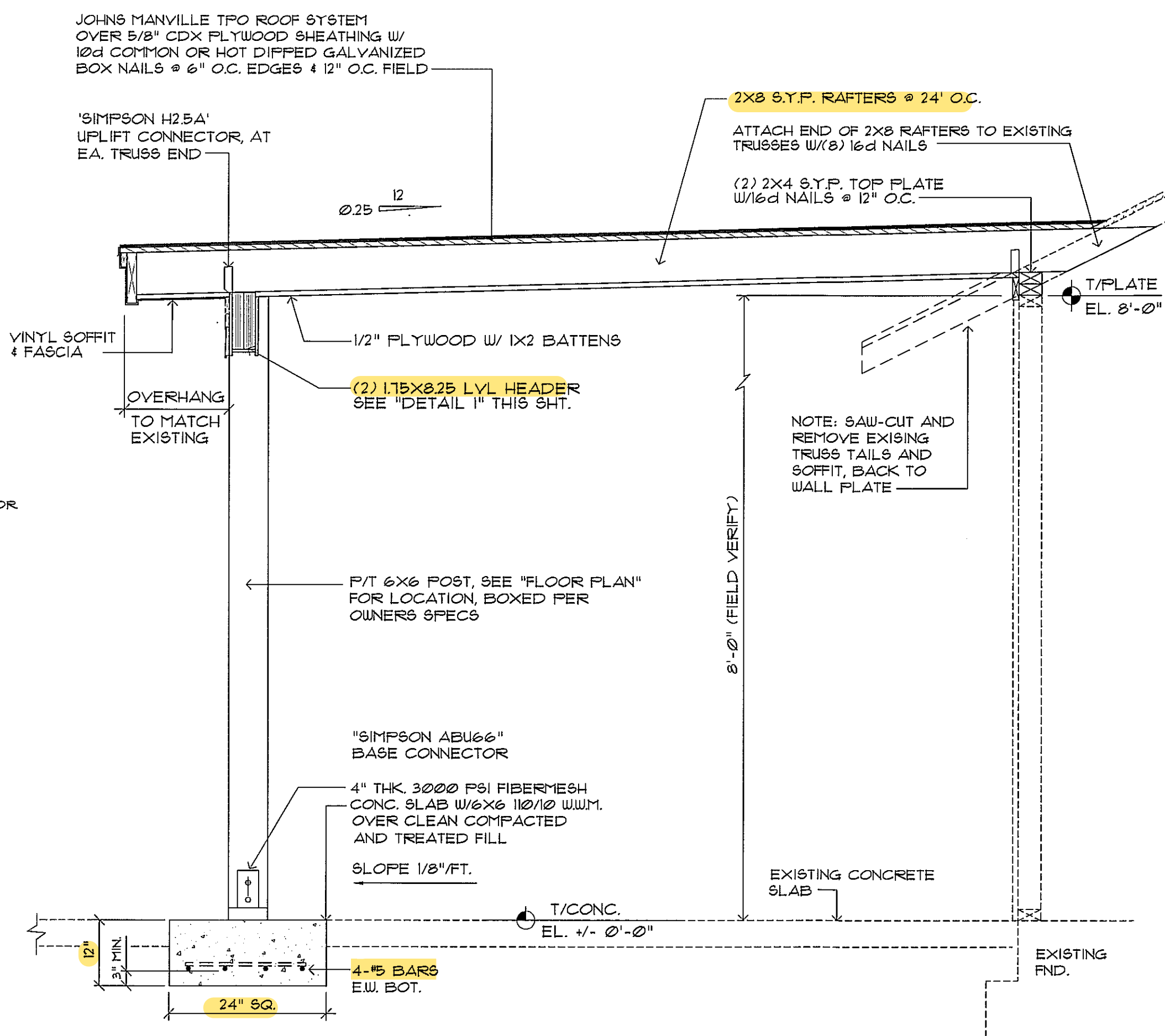
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SUPERIMPOSED LIVE LOADS:
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BALCONIES 60 PSF
- WIND NET UPLIFT: ARE AS INDICATED ON PLANS



Detail

SCALE: N.T.S.
BEAM / POST CONNECTION



Typical Column SECTION A

SCALE 3/4" = 1'-0"

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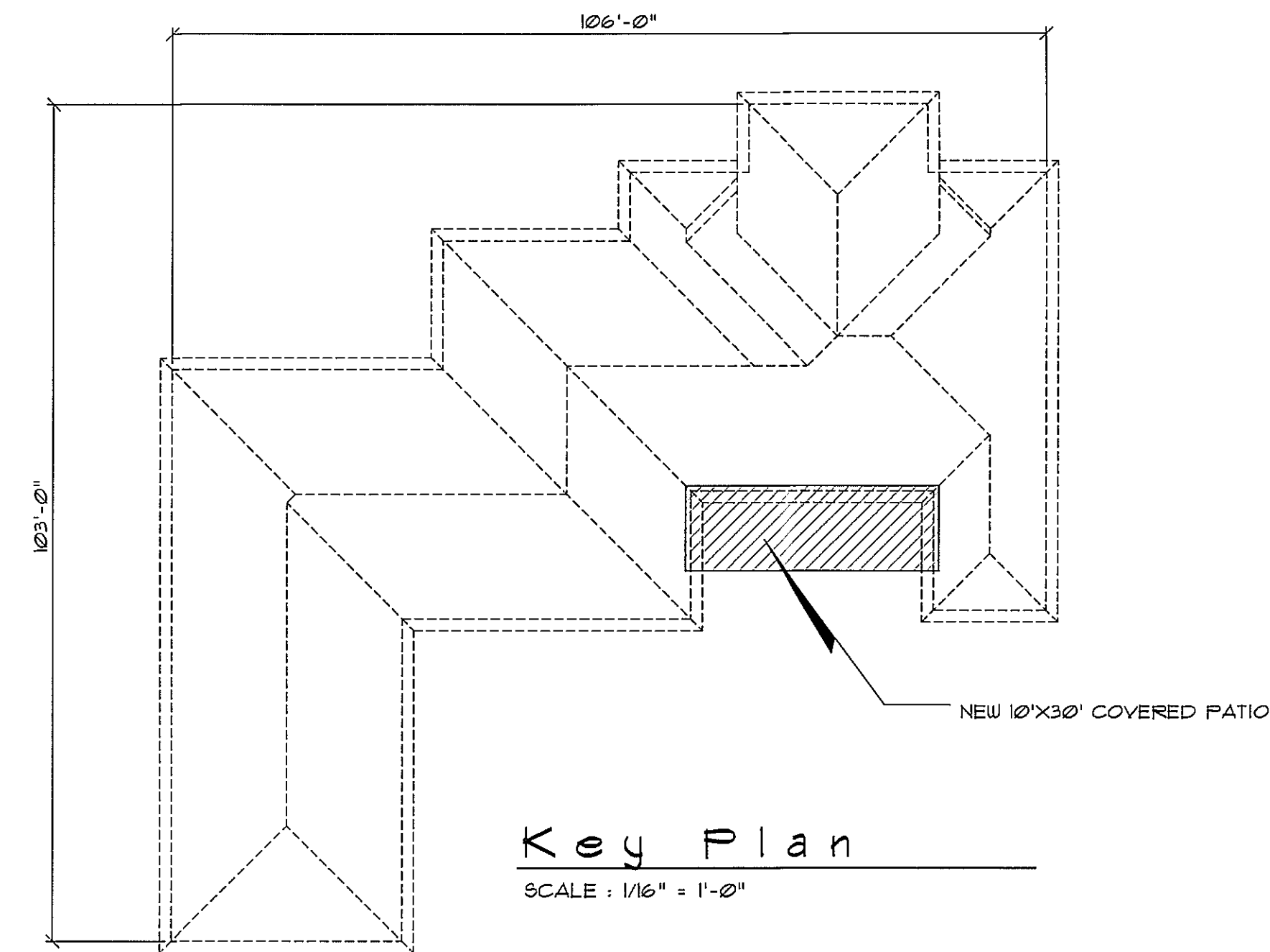
ROOF DECKING

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Fasteners: See "Typ. Wall Section"

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WIND EXPOSURE:	"B"
INTERNAL PRESSURE COEFFICIENT:	+/- 0.18
MUFRS PER TABLE 1609.2A (FBC 2017)	ROOF: - 23.1 PSF
DESIGN WIND PRESSURES:	WALLS: + 26.6 PSF
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DESIGN WIND PRESSURES:	EAVES: - 68.3 PSF
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REVISION:

DRAWN:

DJR

CUSTOM DESIGNED COVERED PATIO FOR:
Joe & Lisa Hutchinson
COLUMBIA COUNTY, FLORIDA
Exterior Elevations

DAVID J. ROYAL
ARCHITECTURAL DESIGNER
Bartlett, Florida • 386-365-0298

NICHOLAS GEISLER
ARCHITECT
1185 NW Brown Rd.
Lake City, FL 32829
386-365-0298

DATE:
20JULY2020

SHEET:

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1 OF 1

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