

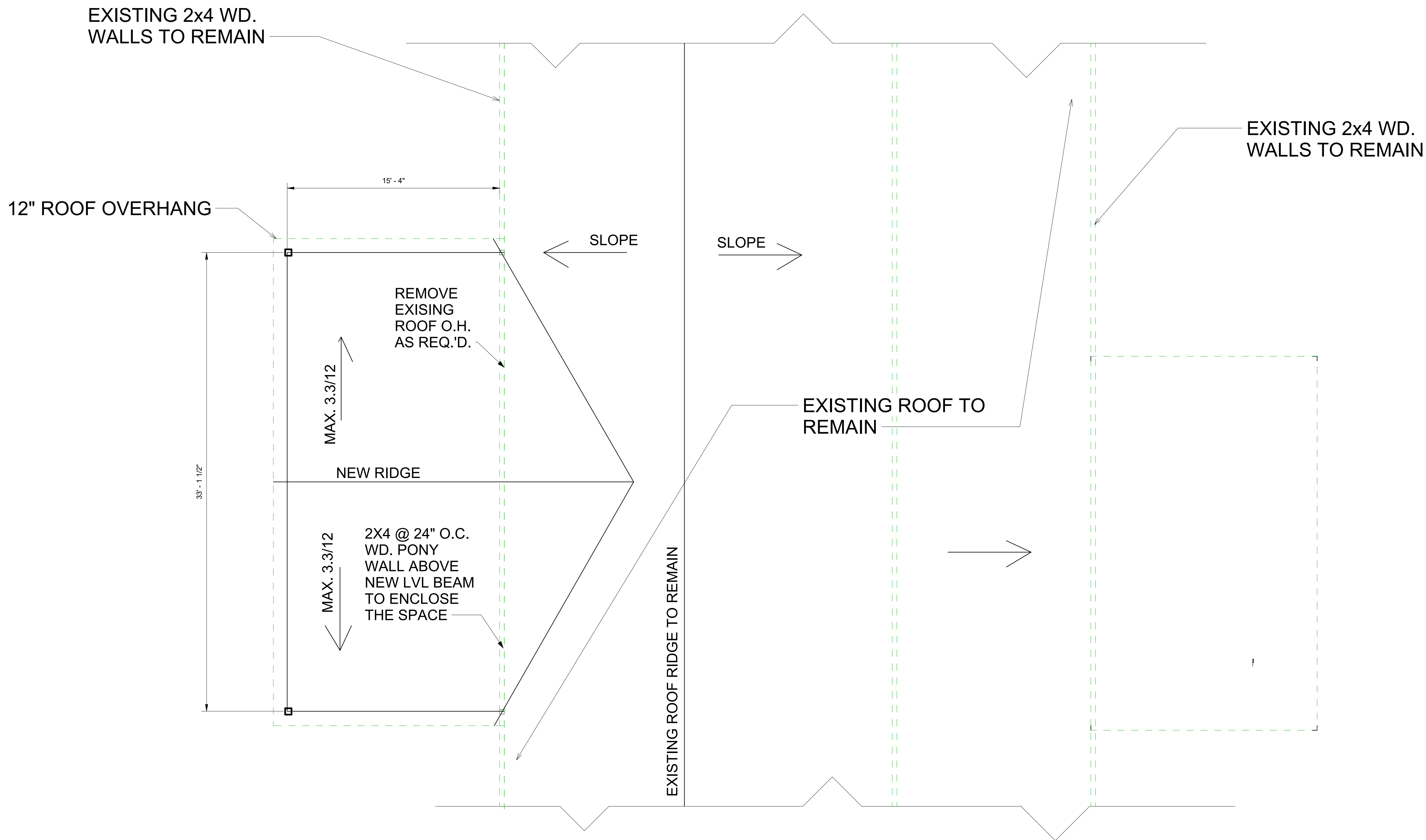
DESIGN CRITERIA
THE STRUCTURAL DESIGN IS IN ACCORDANCE WITH ASCE7-2022, FBC 2023, AND ACI 318-22.

2.. WIND LOADS
THE WIND LOAD WAS CALCULATED USING FBC 2023, CHAPTER 16 AND CHAPTERS 26-30 FROM ASCE 7-22. THE BUILDING IS CONSIDERED TO BE RISK CATEGORY III WITH A WIND EXPOSURE CATEGORY B AND BASIC ULTIMATE WIND SPEED OF 140 MPH.
NOMINAL WIND SPEED=ALLOWABLE WIND SPEED = 109 MPH
ENCLOSURE CLASSIFICATION = ENCLOSED
INTERNAL PRESSURE COEFFICIENT = 0.18 +/-
END ZONE WIDTH (A) = 4.0 FT; INTERNAL PRESSURE COEFFICIENT = 0.18 +/-
COMPONENTS AND CLADDING DESIGN PRESSURES:
WALL ZONE 4 +28.9 PSF MAX -31.3.10 PSF MIN
WALL ZONE 5 +28.9 PSF MAX -38.7 PSF MIN
THE ULTIMATE WIND SPEED WAS USED TO DETERMINE THE ABOVE COMPONENT ANDCLADDING DESIGN PRESSURES.
THIS BUILDING IS NOT IN A WIND-BORNE DEBRIS REGION, AND OPENING PROTECTION IS NOT REQUIRED.
THE SITE OF THIS BUILDING IS NOT SUBJECT TO SPECIAL TOPOGRAPHIC WIND EFFECTS AS PER SECTION 1609.1.1.1 OF THE CODE.

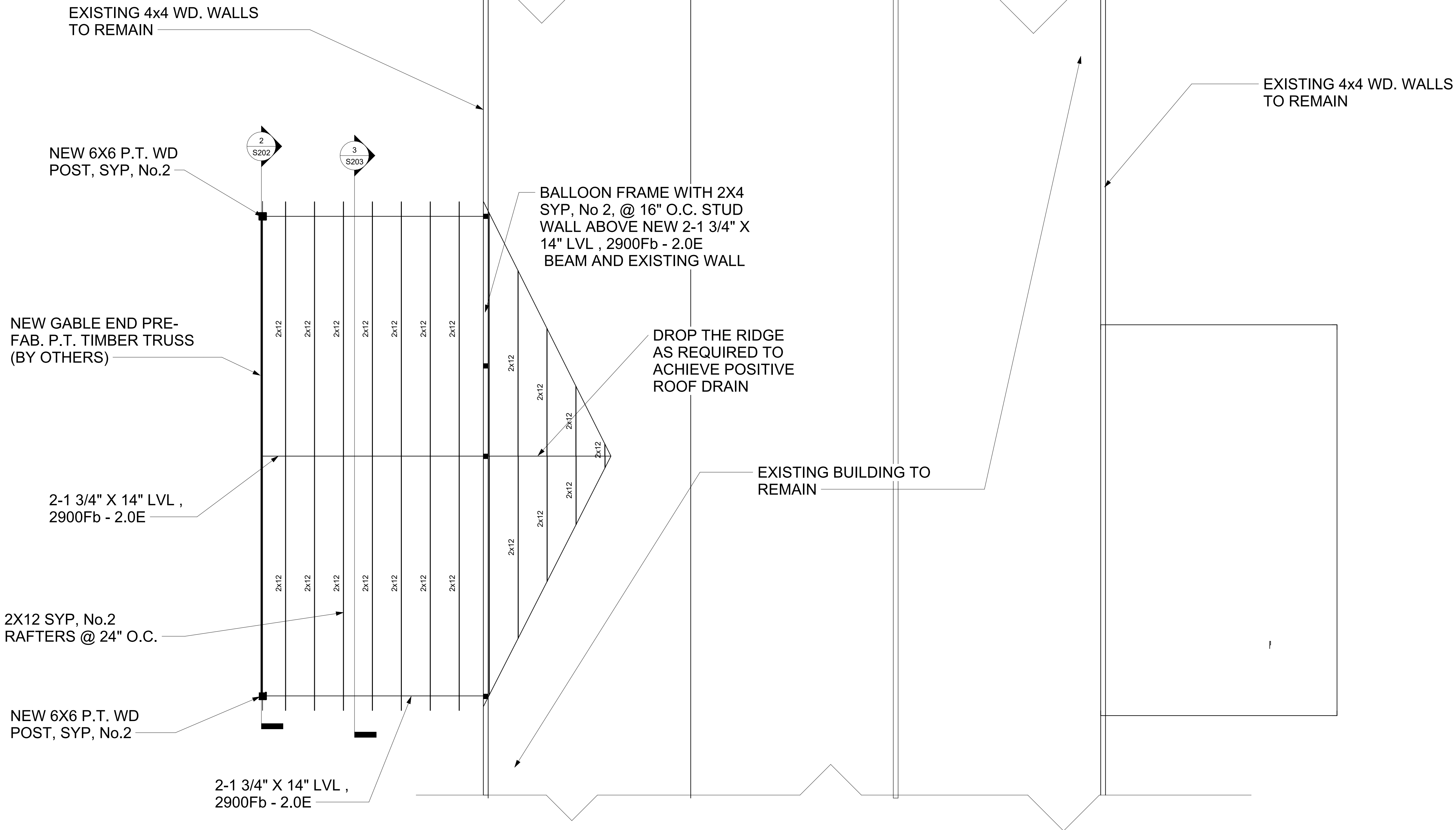
3. FIELD VERIFY EXISTING GRADING CONDITIONS AND ADJUST NEW WORK AS REQUIRED TO MAINTAIN HAND ACCESS AND SLOPE TO DRAIN.
4. VERIFY ALL DIMENSIONS.
5. CONCRETE CAN BE CUT WITH SAWS TO CREATE CONTRACTION JOINTS. THE DEPTH OF THE JOINT SHOULD BE ONE-THIRD DEPTH OF THE SLAB.
6. A NARROW WIDE WIDTH OF 1/8 IN IS RECOMMENDED FOR UNSEALED JOINT. JOINT SEALANT MANUFACTURER'S RECOMMENDATIONS NEED TO BE FOLLOWED FOR THE DEPTH AND WIDTH OF JOINTS THAT ARE TO BE SEALED.

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Project number	Project Number
Date	Issue Date
Drawn by	Author
Checked by	Checker
<h1>S101</h1>	
Scale	1/4" = 1'-0"



Scale $1/4" = 1'-0"$



- BALLOON FRAME WITH 2X4 SPF NO. 1 OR NO. 2 @ 16 IN O.C., WITH THE FOLLOWING CONDITIONS:
- UP TO 12 FT WALL HEIGHT – USE BLOCKING AT 8 FT.
- OVER 12 FT WALL HEIGHT BUT LESS THAN 13 FT HEIGHT, USE BLOCKING AT 4 FT, 8 FT, AND 12 FT
- IN ALL CASES A MINIMUM OF A DOUBLE FULL LENGTH STUD IS REQUIRED AT EACH SIDE OF OPENINGS SUCH AS DOORS AND WINDOWS.
- BLOCKING MUST BE PARALLEL TO TOP AND BOTTOM PLATES WITH A MINIMUM OF 2 -12d COMMON NAILS.

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Project number	Project Number
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S201	
Scale	1/4" = 1'-0"

7/8 OSB ROOF DECKING WITH SYNTHETIC
UNDERLYMAENT INSTALLED PER FBC 2023

– SIMPSON CONNECTOR MTS16C

2-1 3/4" X 14" LVL BEAM, 2900Fb - 2.0E

CCQ46SDS2.5 SIMPSON
COLUMN CAP

NEW P.T. 6X6 WD COLUMN, SYP, NO.2

SIMPSON CONNECTOR MTS16C

2-1 3/4" X 14" LVL BEAM,
2900Fb - 2.0E

CCQ46SDS2.5 SIMPSON
COLUMN CAPNEW P.T. 6X6 WD COLUMN,
SYP, NO.2 _____

② Section 2
3/4" = 1'-0"

ABU66Z, WITH 5/8 IN X 10 IN A.B. AT
EACH COL. BASE

6X6 P.T. COLUMN SYP No.2 WITH
ABU66Z SIMPSON BASE
CONNECTONTER

TYPICAL 1.8X1.8 WWF.
AT CENTER OF 4" SLAB

F.F.E.
0'-0"

36' x 36" x 16" PAD FOOTING
WITH 4 # 5 REBARS EACH WAY

MIN. 3" COVER TO MAIN STEEL REINFORCEMENT

TYPICAL PAD FOUNDATION

① PAD FOUNDATION
1 1/2" = 1'-0"

NOTES

- ROOF SLOPE MAX. 3.3:12, ADJUST AS REQUIRED.
- ACTUAL DIMENSIONS SHALL BE FIELD VERIFIED BY CONTRACTOR.
- FIELD VERIFY EXISTING GRADING CONDITIONS AND ADJUST NEW WORK AS REQUIRED TO MAINTAIN HAND ACCESS AND SLOPE TO DRAIN.
- TERMITE-TREATED CLEAN COMPACTED FILL TO 95% P.O.D.
- ALL SIMPSON CONNECTORS SHALL BE BE INSTALLED ACCORDING TO MANUFACTURER RECOMMENDATIONS.

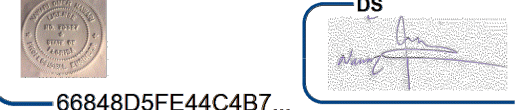
TECH 101 LLC

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PORCH - Ashley

SECTIONS

Project number	Project Number
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S202

Scale	As indicated
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- ALL WOOD CONSTRUCTION

- SUPPLEMENT.
- B. ROOFING DECKING
- 7/8" OSB ROOF DECKING WITH SYNTHETIC UNDERLAYMENT INSTALLED PER FBC 2023
 - USE 8d RING SHANK FASTENERS 6 IN O.C. EDGE AND 6 IN O.C. FIELD
 - 8d RING SHANG FASTENERS SPECIFICATION: 0.113 IN NOMINAL SHANK DIAMETER; 16 TO 20 RINGS PER IN; 0.28 IN HEAD DIAMETER; 2 ½ IN NAIL LENGTH.

C. SIMPSON STRONG-TIE WOOD CONNECTORS

(TO BE INSTALLED ACCORDING TO MANUFACTURER RECOMMENDATIONS)

- RAFTER - RIDGE BEAM: USE LRU212Z CONNECTOR
- RIDGE BEAM - END WALL: USE LGT2 CONNECTOR
- END TRUSS - RIDGE BEAM: USE MTS24C
- 6x6 COLUMN BASE : USE ABU66Z, WITH 5/8 IN X 10 IN A.B. AT EACH COL. BASE; FOR COLUMN CAP: USE CCQ46SDS2.5 OR MTS24C ON EACH SIDE OF THE BEAM
- 4x4 COLUMN BASE : USE ABU44Z, WITH 5/8 IN X 8 IN A.B. AT EACH COL. BASE; FOR COLUMN CAP: USE CCQ44SDS2.5; OR MTS24C ON EACH SIDE OF THE BEAM
- LVL BEAM - WALL: USE MTS16C CONNECTOR
- END TRUSS - COLUMN: USE H10A

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SECTION 3

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S203	
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① PORCH ELEVATION
1/2" = 1'-0"

[illegible]

PORCH - Ashley
ELEVATION

Project number	Project Number
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S204	
Scale	1/2" = 1'-0"