

PROPOSED PROJECT:

THE NARROWS
BANQUET HALL

GENERAL PROJECT INFO:

WARREN
WAREHAM, MA
DOUGLAS FIR

FILE NAME: HP&B_GO_WARREN_COVER_04

DATE MODIFIED: 08-12-22

DRAWN BY: GM

CHECKED BY: XXXXX

SCALE: VARIES

ALL MATERIAL IS #1
OR BETTER.
DOUGLAS FIR.

DESIGN CRITERIA:

BUILDING CODES:
IBC 2015 MASSACHUSETTS WITH AMENDMENTS
ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS

DESIGN LOADS:

DEAD - 15 PSF (ASSUMED)
GROUND SNOW LOAD = 35 PSF, C_t=1.2
NOMINAL WIND SPEED = 101 MPH
ULTIMATE WIND SPEED = 130 MPH
SEISMIC DESIGN CATEGORY = B
FROST DEPTH = 48"
ALLOWABLE SOIL BEARING = 2000 PSF (ASSUMED)

SEE ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS FOR DIMENSIONS AND DETAILS REQUIRED AS STRUCTURAL WORK, WHICH ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS. ANY DISCREPANCY THAT EXISTS BETWEEN WHAT IS SHOWN AND ACTUAL MUST BE BROUGHT TO THE ATTENTION OF HARDWICK POST & BEAM/ ENGINEER PRIOR TO THE START OF CONSTRUCTION. THE REPRODUCTION OF ANY CONTRACT DOCUMENTS, IN FULL OR IN PART, FOR THEIR USE AS SHOP DRAWINGS WILL NOT BE ACCEPTED AND WILL BE RETURNED AS REJECTED. SUBMITTALS VIA FACSIMILE ARE ALSO UNACCEPTABLE AND WILL NOT BE REVIEWED.

GENERAL NOTES:

- CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR OTHER CONDITIONS WHICH DIFFER FROM WHAT IS INDICATED ON THE DRAWINGS.
- DIMENSIONS SHOWN ON STRUCTURAL DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR WITH THOSE SHOWN ON THE ARCHITECTURAL DRAWINGS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER AND ENGINEER PRIOR TO CONSTRUCTION.
- CONSTRUCTION MATERIALS SHALL NOT BE PLACED, STACKED OR OTHERWISE STORED UPON ANY STRUCTURAL ELEMENT IN A MANNER WHICH EXCEEDS THE LIVE LOAD CAPACITY OF THE ELEMENT. UNLESS OTHERWISE NOTED, THIS LIVE LOAD CAPACITY IS 40 PSF.
- NOTES, DETAILS AND DIMENSIONS ON INDIVIDUAL DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEERS ATTENTION BEFORE PROCEEDING WITH CONSTRUCTION.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO, TEMPORARY BRACING/SHORING AGAINST WIND, SNOW, EQUIPMENT, MATERIAL STORAGE AND/OR OTHER LOADS WHICH MAY ARISE PRIOR TO THE COMPLETION OF CONSTRUCTION. PERIODIC INSPECTIONS BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THESE ITEMS NOR ANY OPINION REGARDING THE ADEQUACY OF SUCH MEASURES.

FOUNDATION NOTES:

FOUNDATION DESIGN BY OTHERS.

ALL POSTS TO BE SUPPORTED BELOW BY EITHER CONCRETE FROST WALL OR LALLY COLUMN ON PAD.

OTHER NOTES:

TIMBERS TO BE HELD DOWN BY SIMPSON STRAP STD14 OR SIMILAR. WELD STRAP TO STEEL SUBFLOOR WHERE APPLICABLE.

FILLS:

SIP WALL PANELS

CONCRETE

INSULATED WALLS

TIMBERFRAME SPECIFICATIONS:

- These drawings depict an exposed, heavy timber framed structure.
- The timbers are FOHC DOUGLAS FIR, unless noted otherwise. The timbers meet the WWP standards for #1 (or better). Their moisture content, at fabrication, is approximately 20%. Some warping, twisting, and checking of timbers is anticipated as they reach equilibrium moisture content.
- The timber sizes shown are NOMINAL. The timber sizes are subject to slight revision; but only under the direct supervision of the ENGINEER OF RECORD for the frame.
- The timber connections are based on traditional methods - using mortises, tenons, splines, pegs, and keys. The connections are designed and detailed under the direct supervision of ENGINEER OF RECORD for the frame.
- All timber joinery must be approved by ENGINEER OF RECORD for the frame.
- * All metal connectors (at post feet, for example) are to be Simpson or equal.

TIMBER FRAME JOINERY:

- UNLESS OTHERWISE CALLED OUT IN JOINERY DETAILS ON THE STRUCTURAL AND TIMBER FRAME DRAWINGS, THE JOINERY SHOULD MEET THE FOLLOWING REQUIREMENTS, AND BE DETAILED IN ACCORDANCE WITH TFEC 1-19.
- ALL PEGS SHALL BE 1" IN DIAMETER, AND MEET THE REQUIREMENTS OF TFEC 1-19.
- TENONS CONNECTING MEMBERS IN 8X MATERIAL AND LARGER (SMALLEST DIRECTION), SHALL BE 2" THICK AND 5" IN LENGTH, WITH 3" OF RELISH. IN 6X MATERIAL, 1 1/2" THICK, 4" LONG TENONS WITH 2 1/2" RELISH SHALL BE USED. 4X AND SMALLER MATERIAL, INCLUDING BRACES (UNLESS OTHERWISE CALLED OUT) AND STRUTS, SHALL HAVE A 1 1/2" THICK TENON, AT LEAST 3 1/2" IN LENGTH, AND 2 1/2" OF RELISH.
- WHERE TENON INTERFERENCE OCCURS, TENONS SHALL BE AS LONG AS POSSIBLE, AND OFFSET (HIGH/LOW) WHERE POSSIBLE. IN THREE-WAY AND FOUR-WAY CONNECTIONS, 1 1/2" THICK HARDWOOD (SPECIFIC GRAVITY EQUAL TO OR GREATER THAN THE CONNECTING TIMBERS) OR 1 3/4" LVL SPLINES ARE STRONGLY ENCOURAGED.
- HOUSINGS FOR 6X AND LARGER STOCK SHALL BE 1", UNLESS SPECIFIED OTHERWISE. WHERE 6X FRAMING IS NOT DIRECTLY SUPPORTING ROOF OR FLOOR LOADS, 1/2" STUB TENONS MAY BE USED IN PLACE OF FULL 1" HOUSINGS. 4X MATERIAL, INCLUDING BRACES, SHALL BE HOUSED 1/2". BIRDSMOUTHS, REDUCTIONS, AND COPES NOT SUPPORTED BY A BEARING SURFACE SHALL NOT EXCEED MORE THAN 1/4 THE MEMBER DEPTH WITHOUT REQUIRING FURTHER REINFORCEMENT.
- UNLESS OTHERWISE SPECIFIED, RAFTERS AND PURLINS SHALL BE SECURED INTO THEIR HOUSINGS AND SUPPORTS WITH LOG SCREWS, (1) SCREW AT EACH END FOR 6X AND SMALLER MATERIAL, (2) SCREWS AT EACH END FOR 8X AND LARGER MATERIAL.

ABBREVIATIONS

@ AND AFF.	AT ABOVE FINISH FLOOR	EXP.	EXPOSED	FD	FIXED	FF	FINISH FLOOR ELEVATION	GL	GLASS	GLB.	GLUED LAMINATED BEAM	GWB	GYPSPUM WALL BOARD	ICF	INSULATED CONCRETE FORM	INS.	INSULATION	LVL	LAMINATED VENEER LUMBER	O.C.	ON CENTER	PLY	PLYWOOD	PVC	POLY VINYL CHLORIDE	P.T.	PRESSURE TREATED	REF.	REFRIGERATOR	R.O.	ROUGH OPENING	SD	SMOKE DETECTOR	SHT.	SECTION	SHT.	SHEET	SIM.	SIMILAR	SPF	SPRUCE, PINE, OR FIR	SQ.	SQUARE	SQFT	SQUARE FEET	STL	STEEL	SYP	SOUTHERN YELLOW PINE	T&G	TONGUE & GROOVED	TBD	TO BE DETERMINED	TYP.	TYPICAL	VB	VAPOR BARRIER	VIF	VERIFY IN FIELD	WD	WOOD
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CLIENT:
WARREN, DAN
59 MAIN STREET
WAREHAM, MA

NO.	REVISIONS	DATE
1	CLIENT	05-26-22
2	ASAP ENGINEERING	06-05-22
3	ROOF ELEVATION CHANGE	06-28-22
4		

COVER PAGE

PAGE NUMBER

G0

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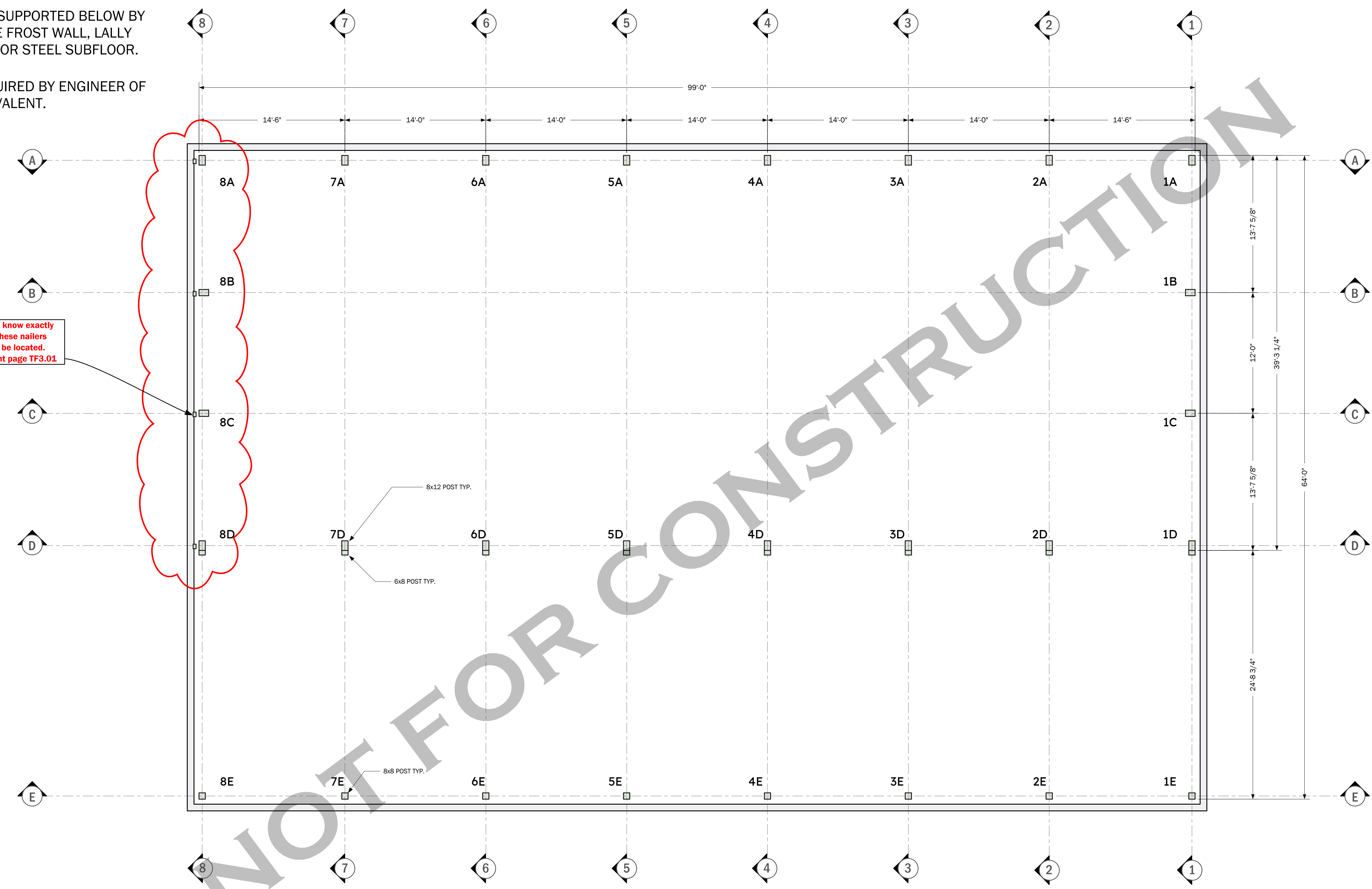
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FOUNDATION DESIGN BY OTHERS.

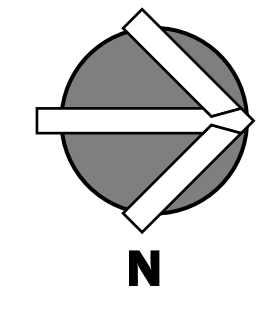
ALL POSTS TO BE SUPPORTED BELOW BY EITHER CONCRETE FROST WALL, LALLY COLUMN ON PAD, OR STEEL SUBFLOOR.

HOLD DOWN REQUIRED BY ENGINEER OF RECORD OR EQUIVALENT.

Need to know exactly where these nailers need to be located. See Bent page TF3.01



POST LOCATIONS PLAN VIEW
SCALE: 3/16" = 1' 0"



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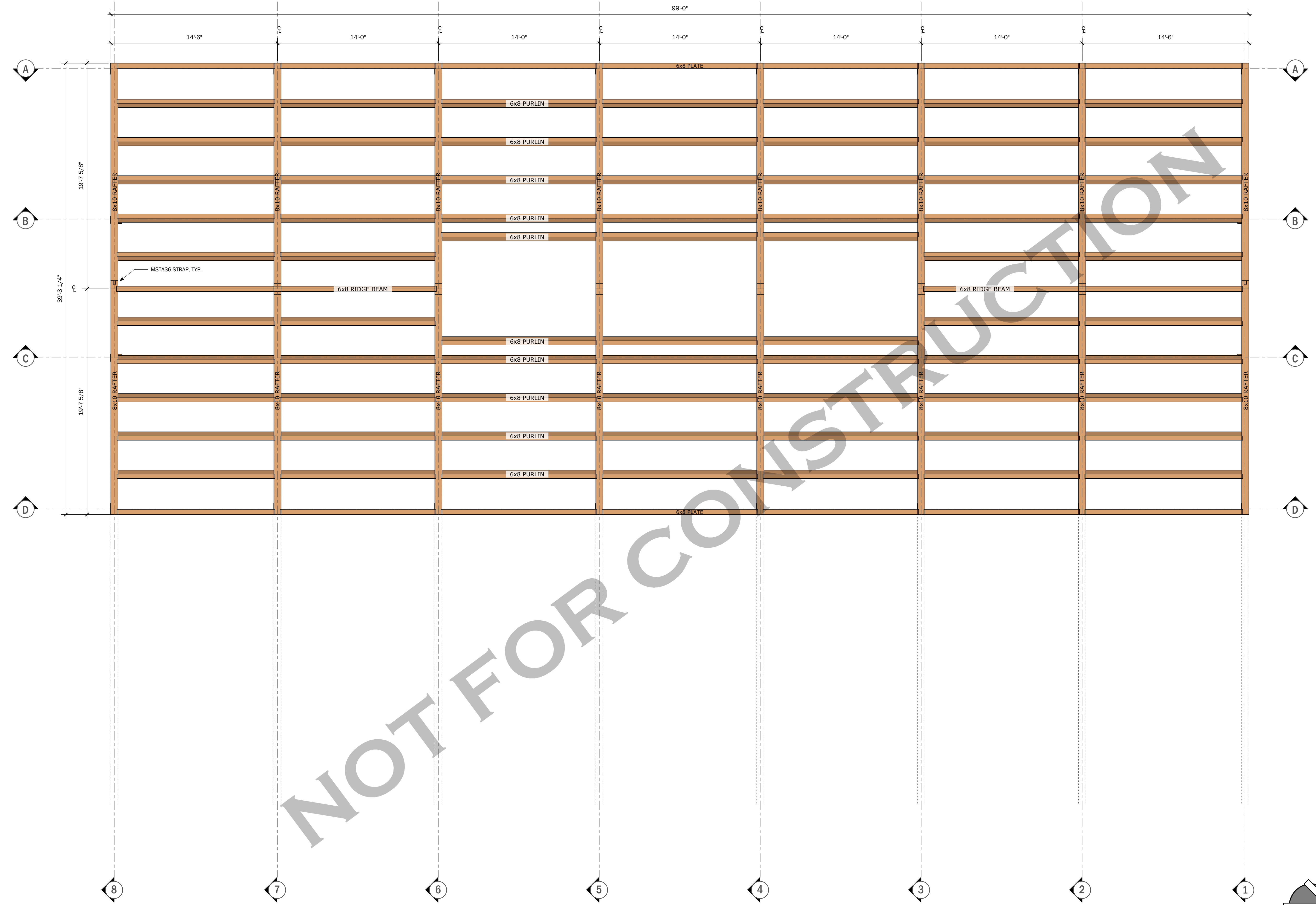
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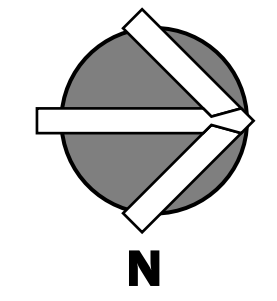
ALL MATERIAL IS #1
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EASTERN WHITE PINE

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NOT FOR CONSTRUCTION

MAIN ROOF RAFTER PLAN
SCALE: 1/4" = 1' 0"



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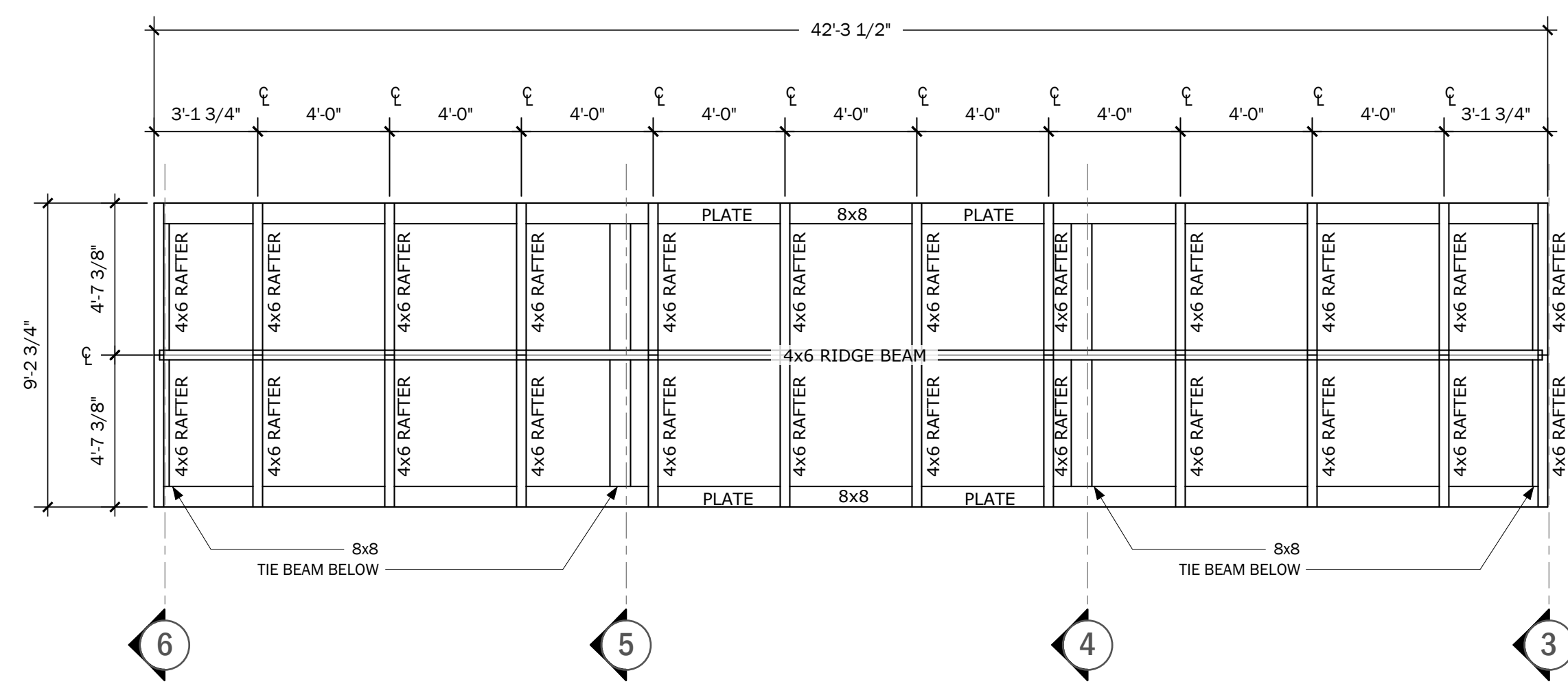
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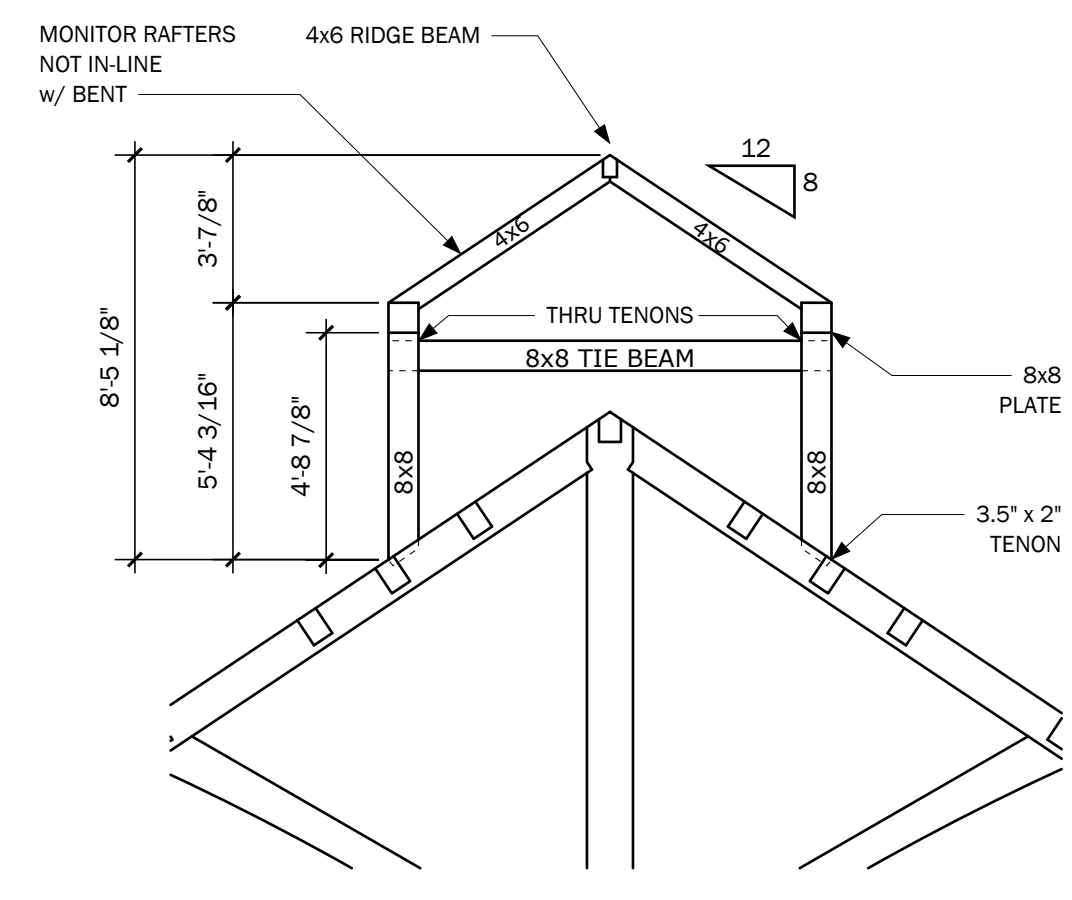
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WING AND MONITOR
PLANS

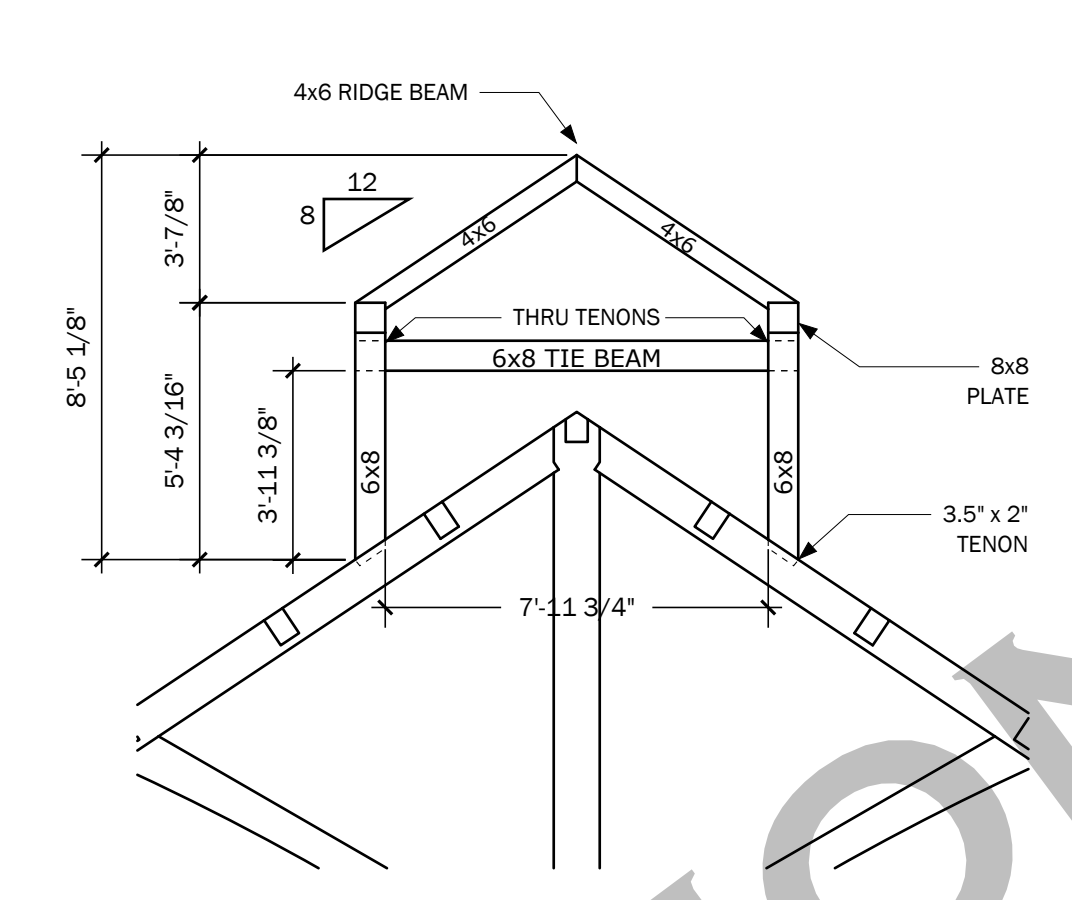
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TF 1.03



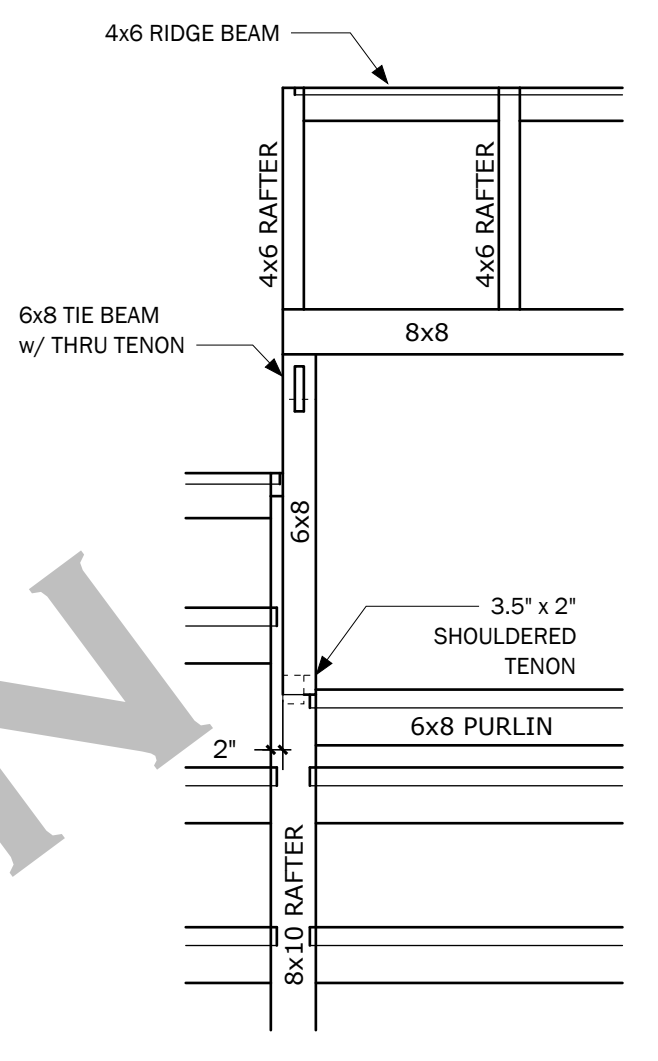
MONITOR RAFTER PLAN
SCALE: 1/4" = 1' 0"



MONITOR @ BENTS 4 & 5
SCALE: 1/4" = 1' 0"



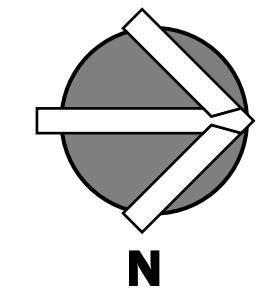
MONITOR @ BENTS 3 & 6
SCALE: 1/4" = 1' 0"



VIEW FROM SIDE
SCALE: 3/8" = 1' 0"



SALT BOX WING RAFTER PLAN
SCALE: 1/4" = 1' 0"



8x10 RAFTER

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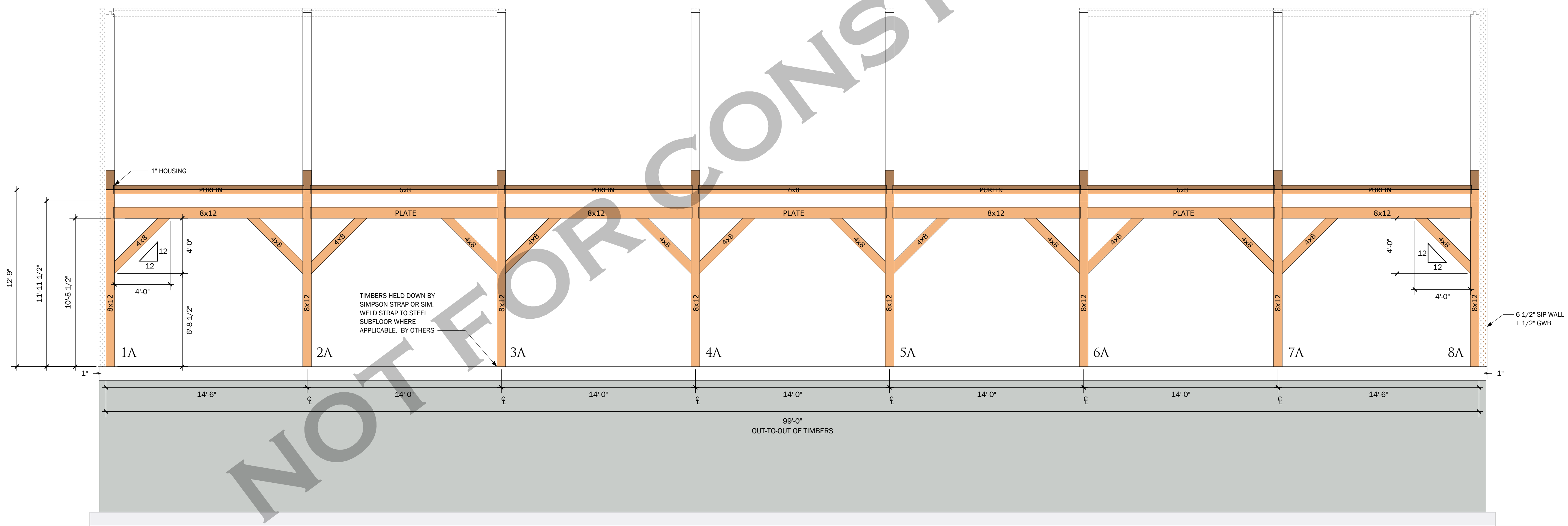
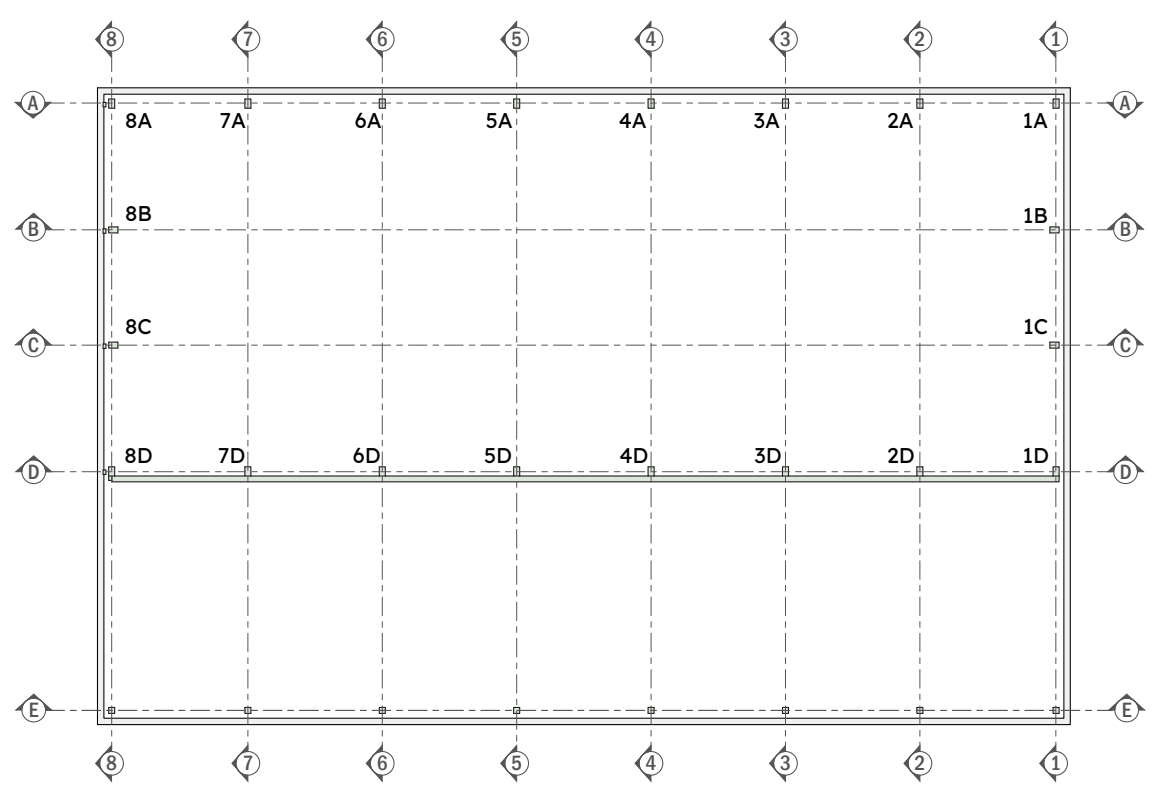
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SCALE: 1/4" = 1' 0"

ALL MATERIAL IS #1
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EASTERN WHITE PINE.



ELEVATION A
SCALE: 1/4" = 1' 0"

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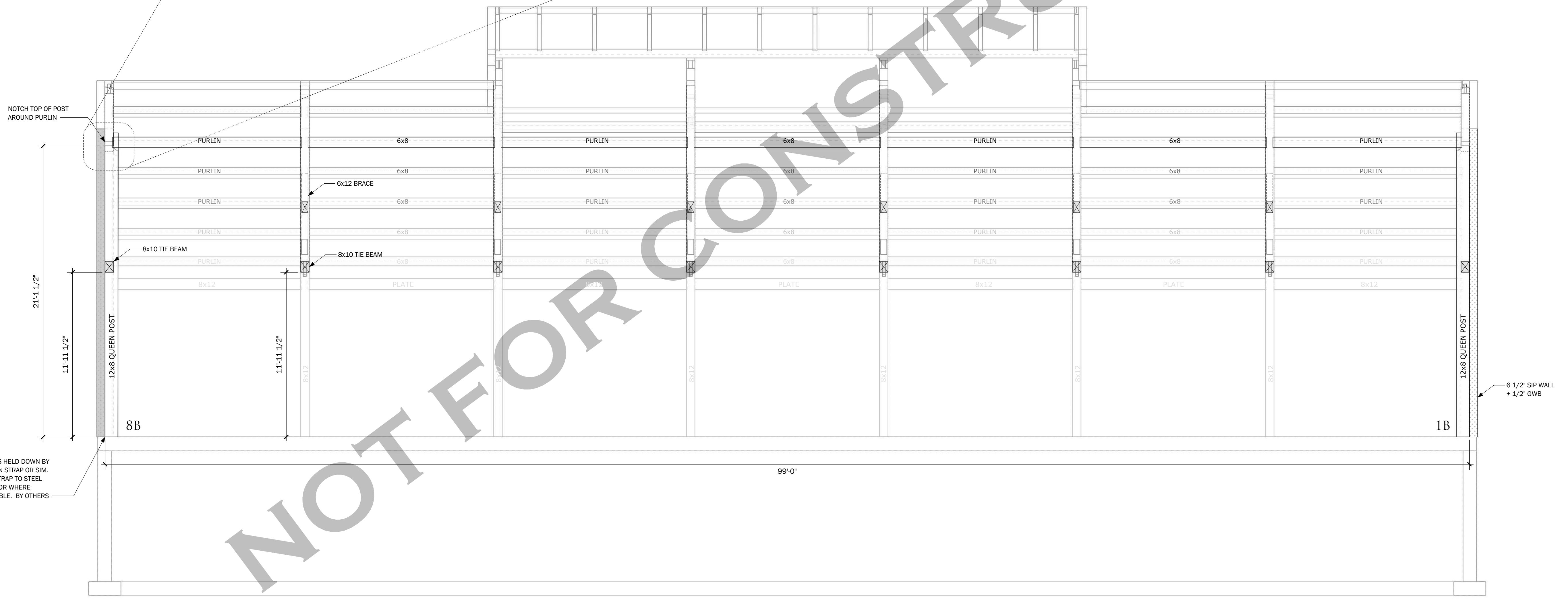
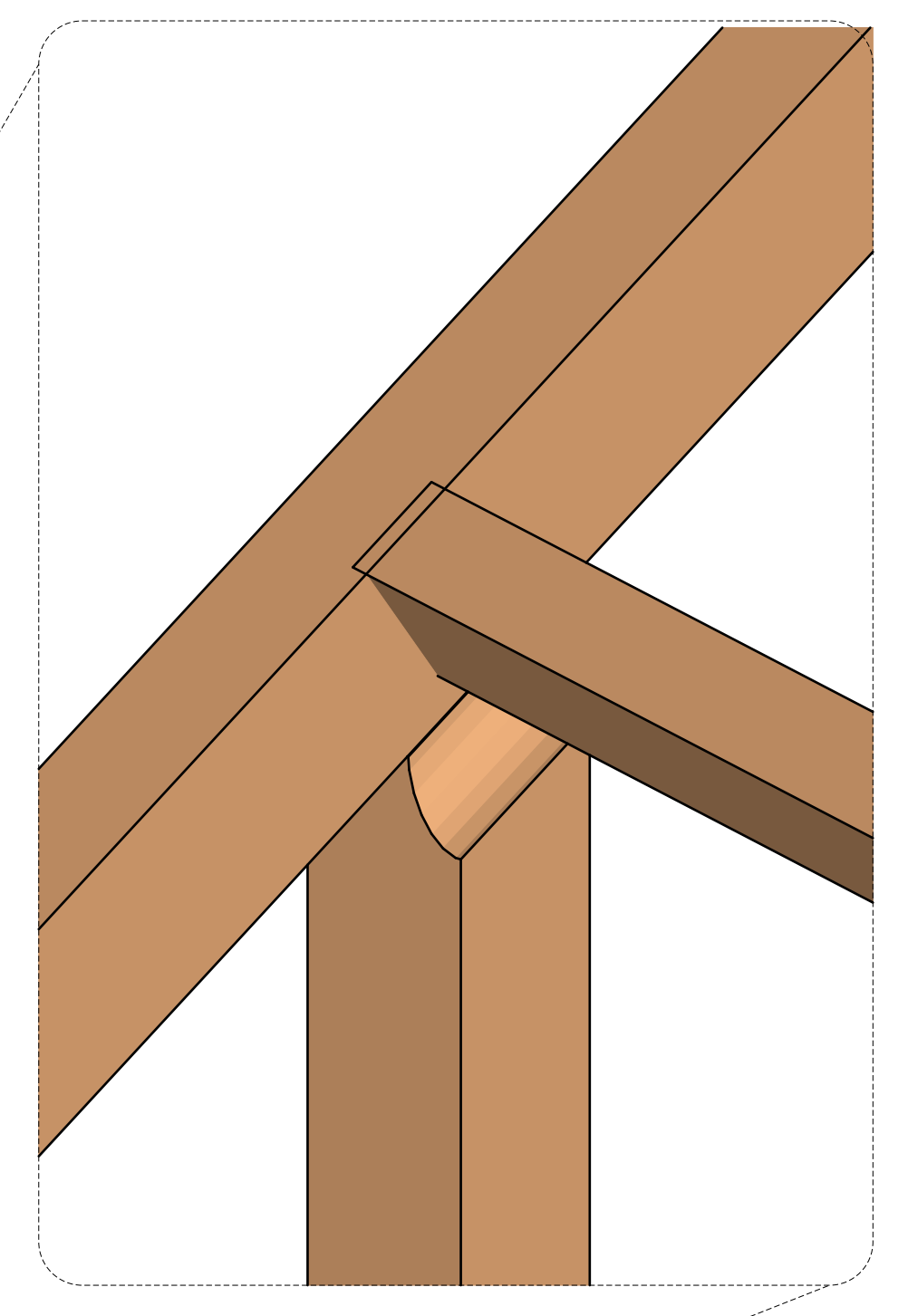
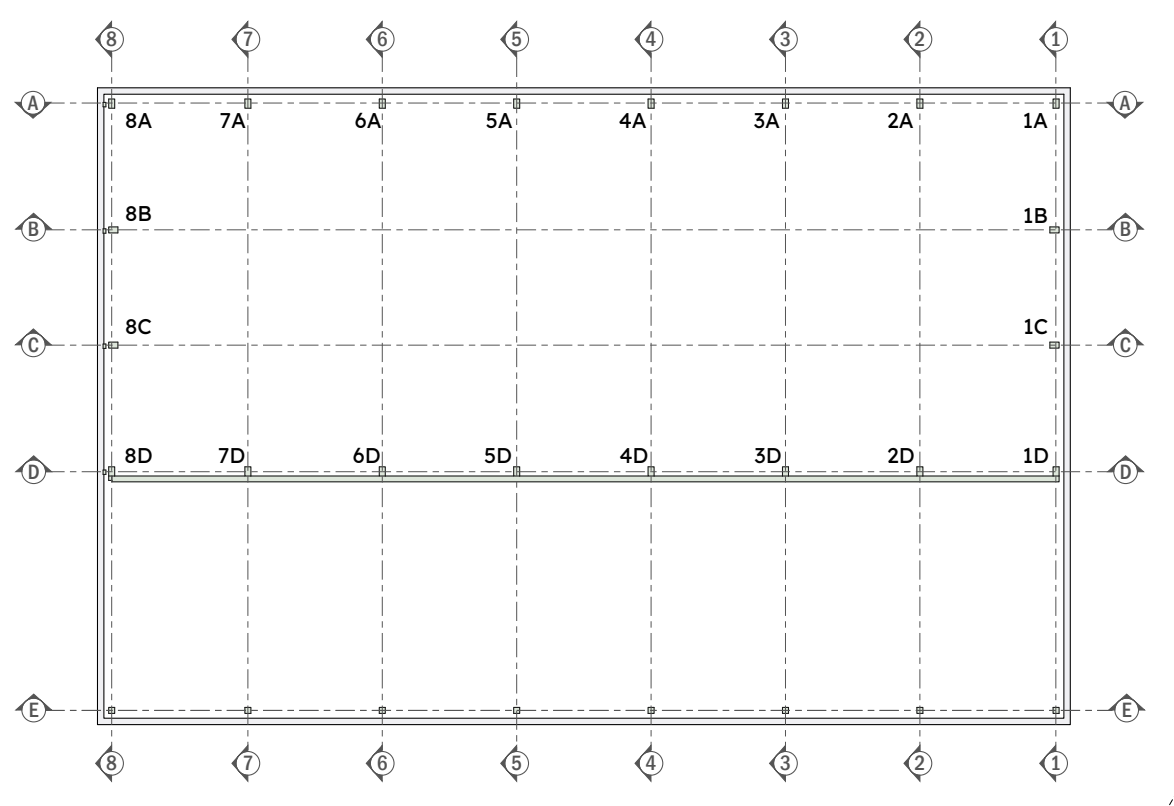
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SCALE: 1/4" = 1' 0"

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NOT FOR CONSTRUCTION

NOTCH TOP OF POST
AROUND PURLIN

21'-1 1/2"

11'-11 1/2"

8B

TIMBERS HELD DOWN BY
SIMPSON STRAP OR SIM.
WELD STRAP TO STEEL
SUBFLOOR WHERE
APPLICABLE. BY OTHERS

6 1/2" SIP WALL
+ 1/2" GWB

1B

ELEVATION B
SCALE: 1/4" = 1' 0"

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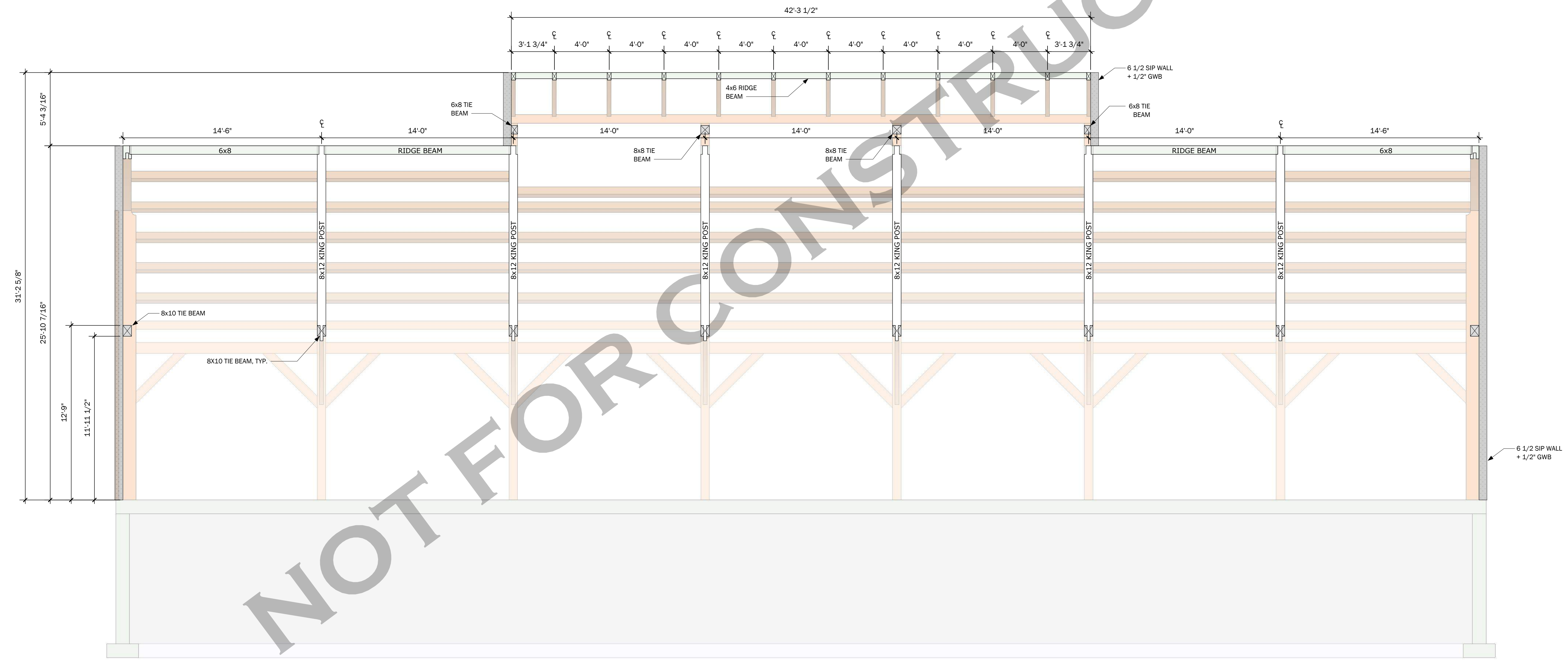
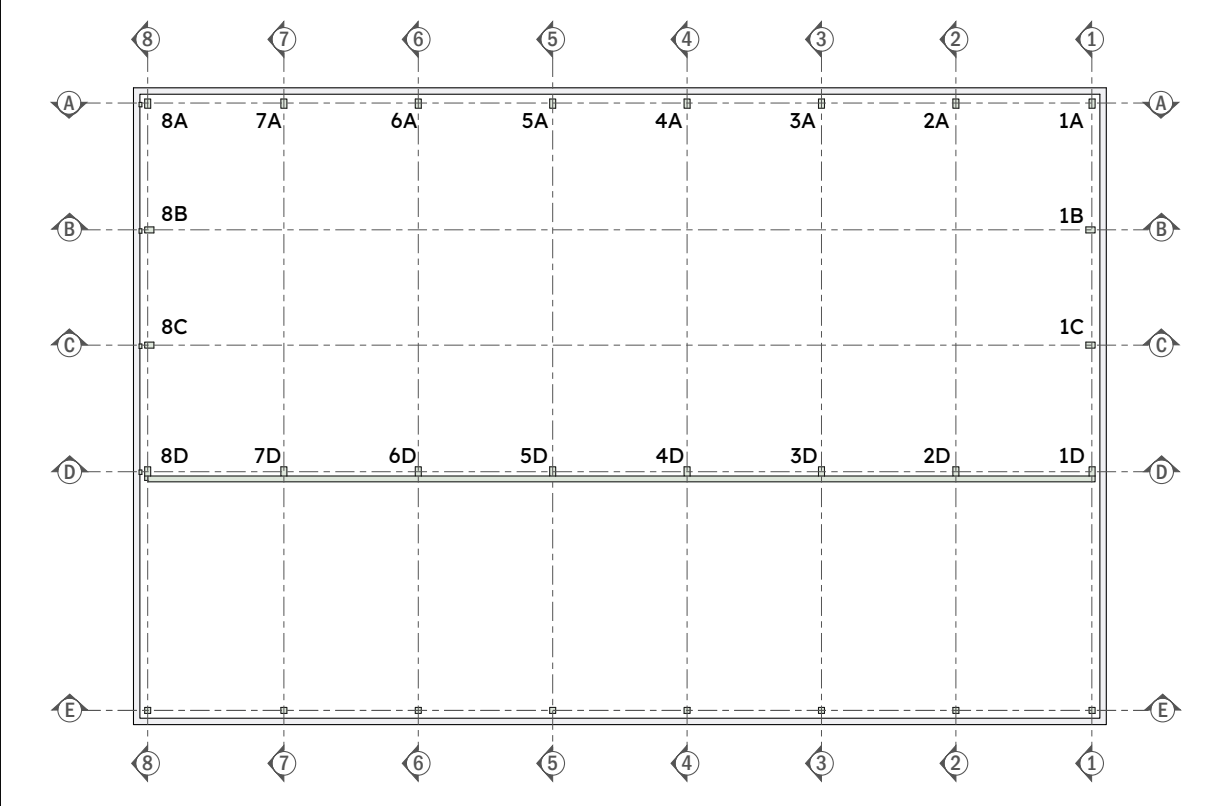
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ELEVATION BC

PAGE NUMBER
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ELEVATION BC
SCALE: 1/4" = 1' 0"

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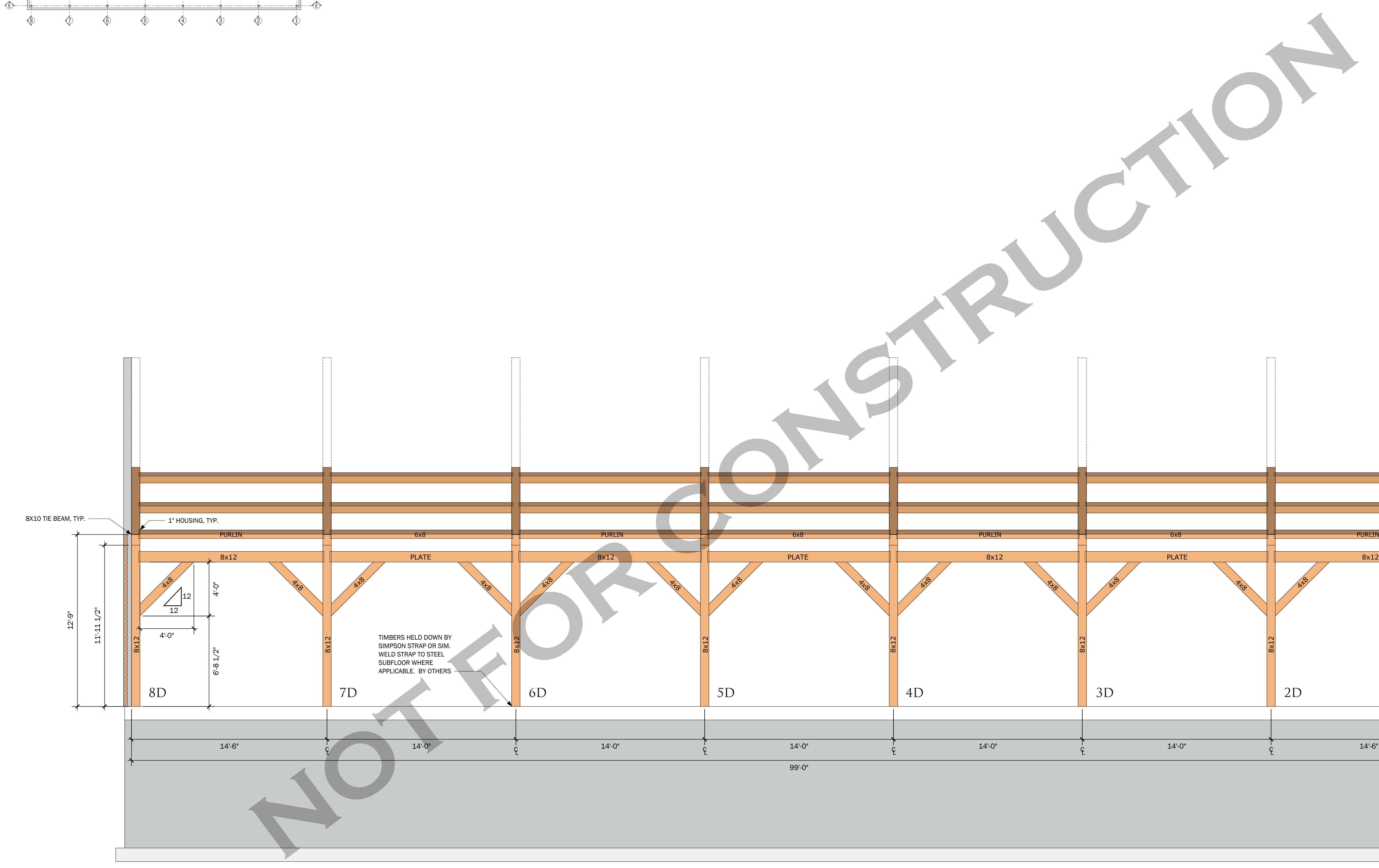
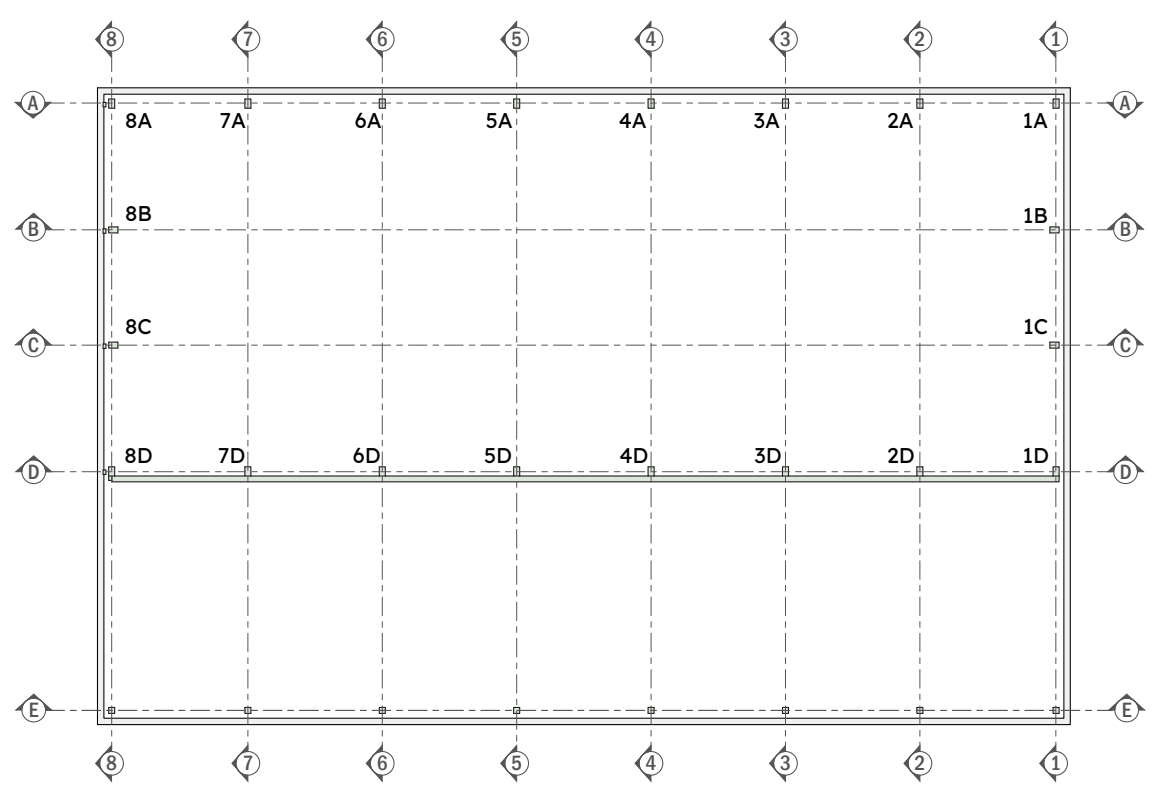
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ELEVATION D
SCALE: 1/4" = 1' 0"

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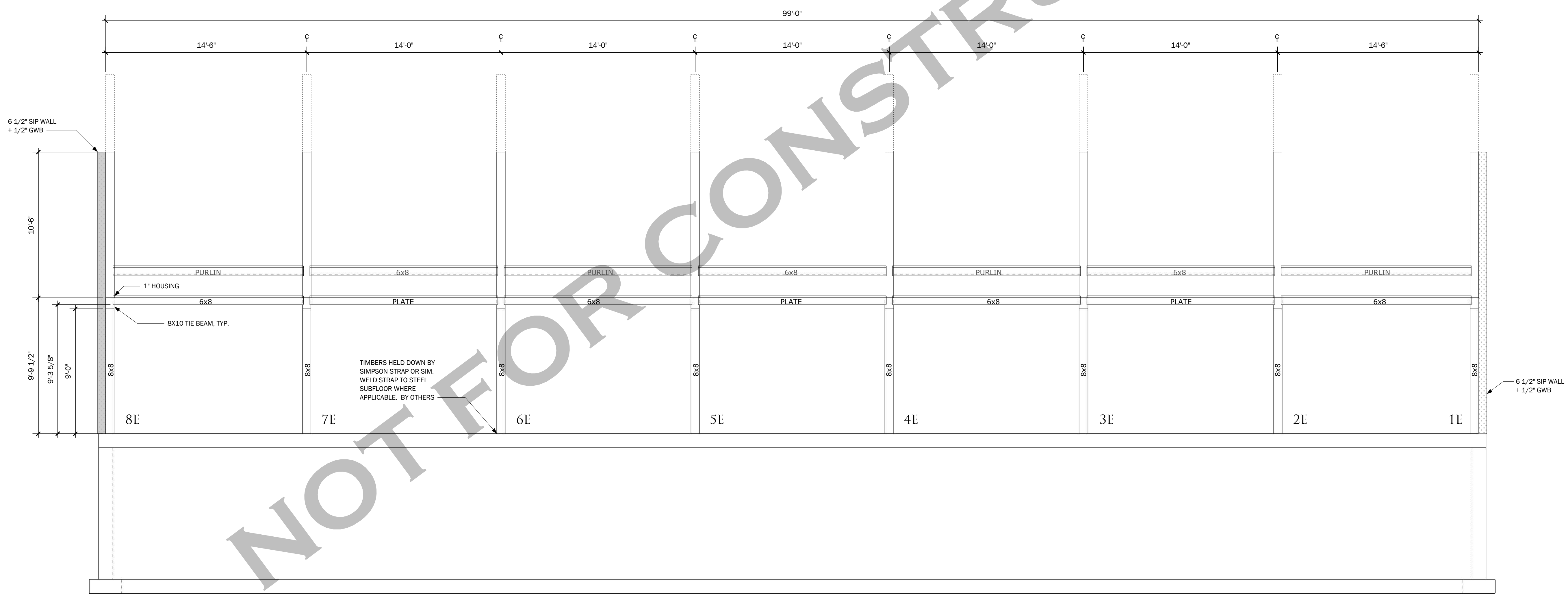
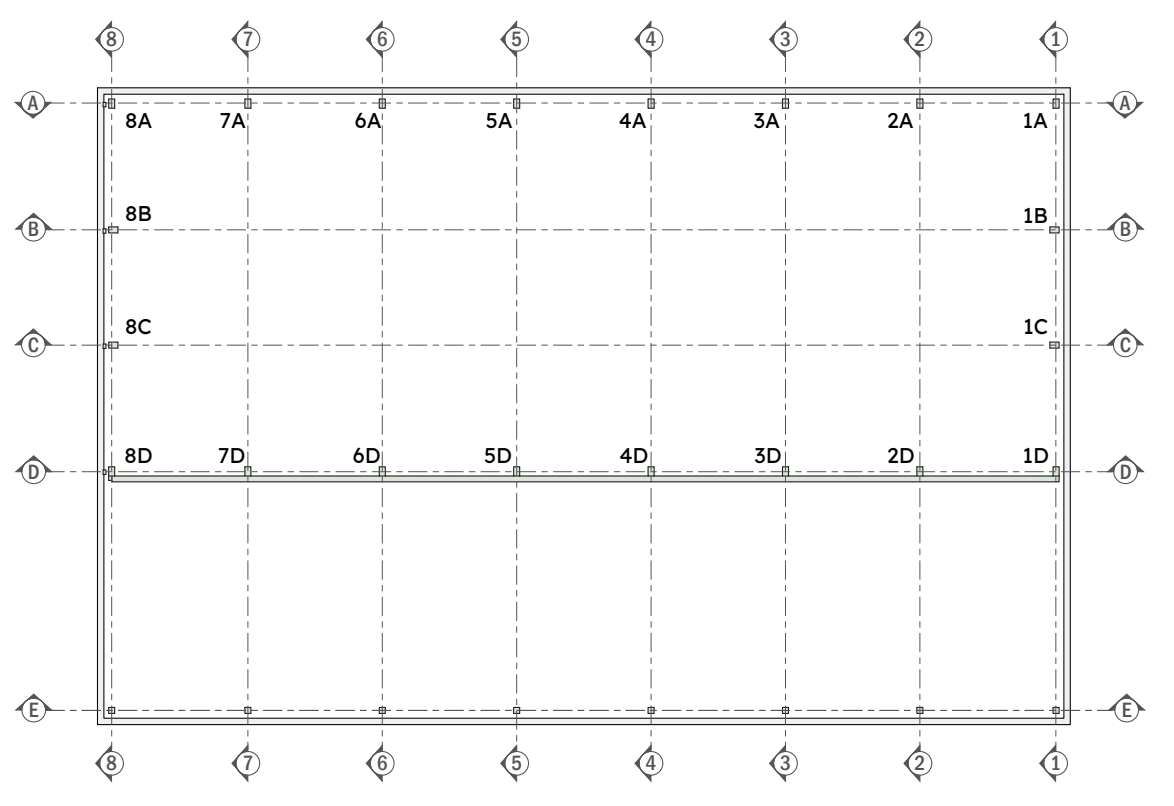
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ELEVATION E
PAGE NUMBER
TF 2.05



ELEVATION E
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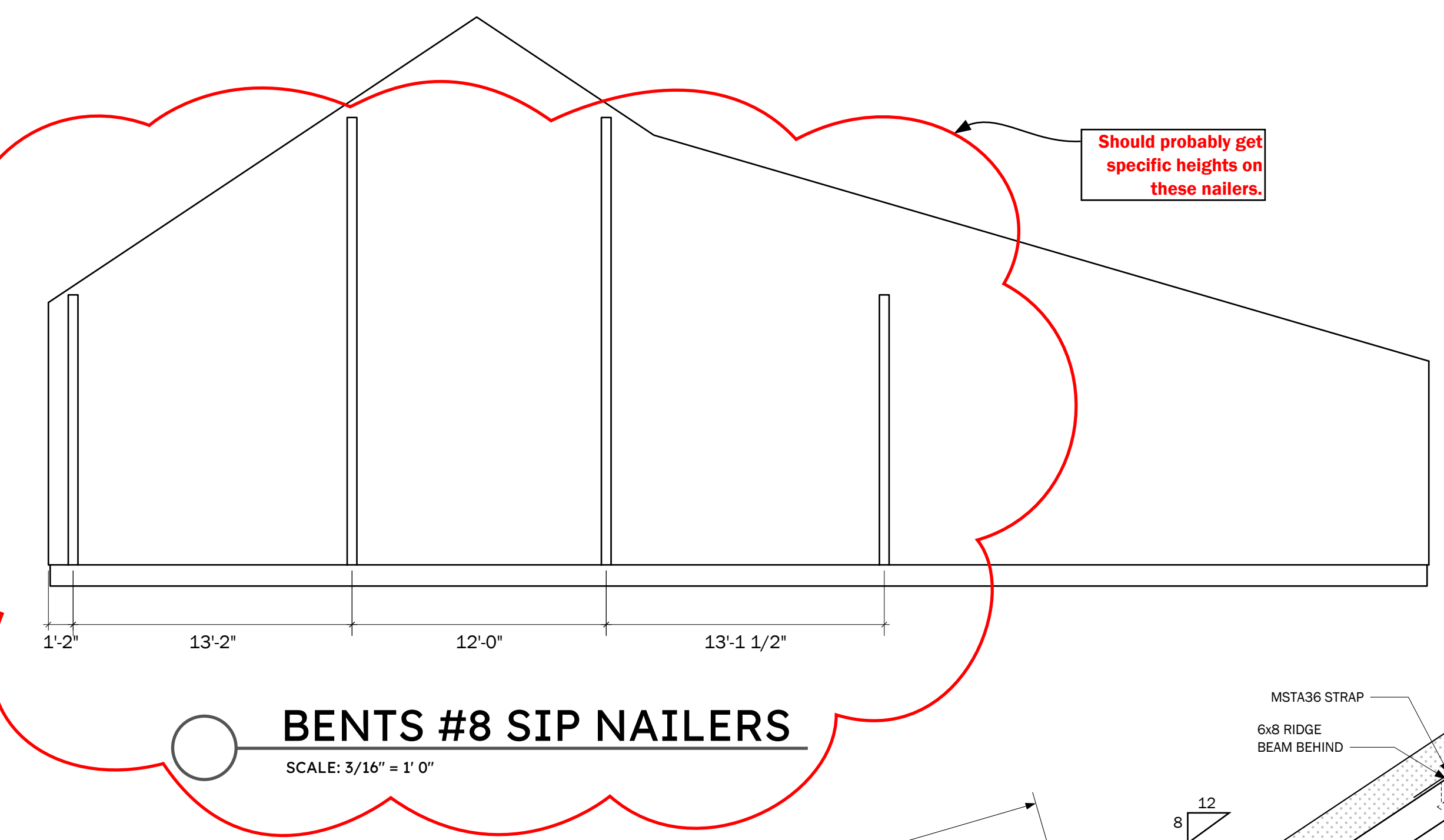
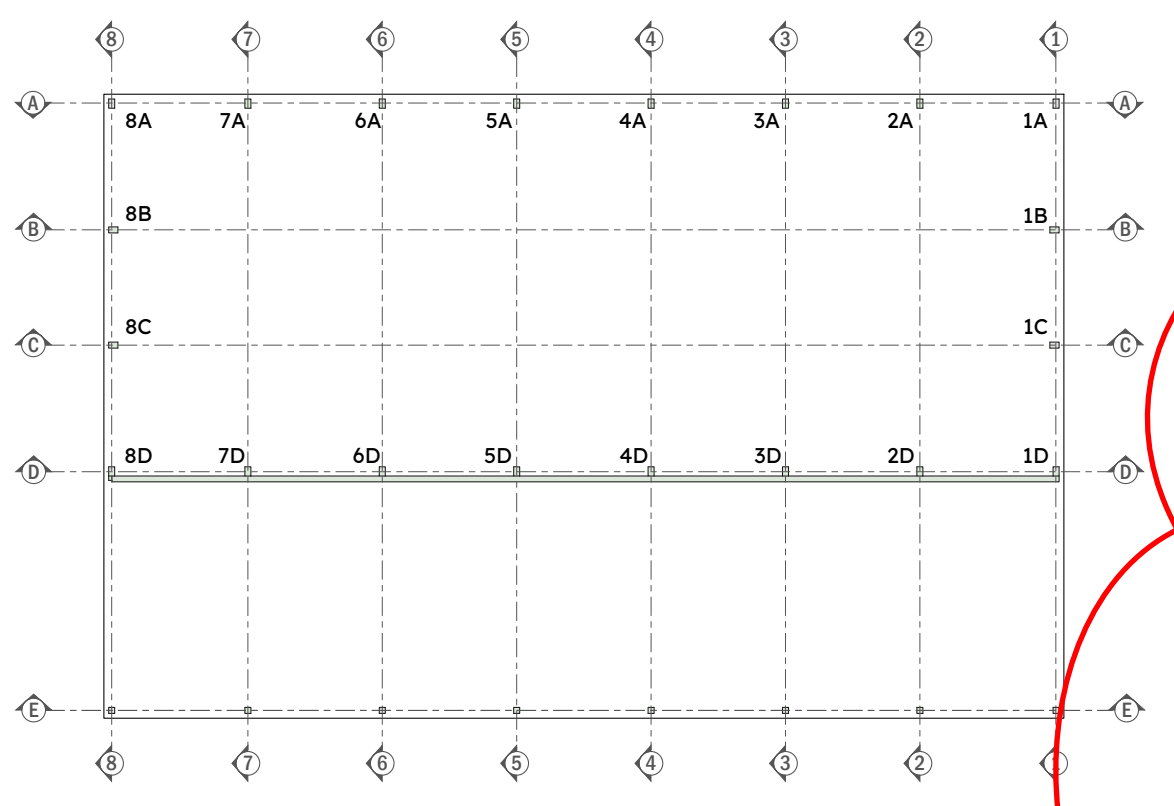
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SCALE: 3/8" = 1' 0"

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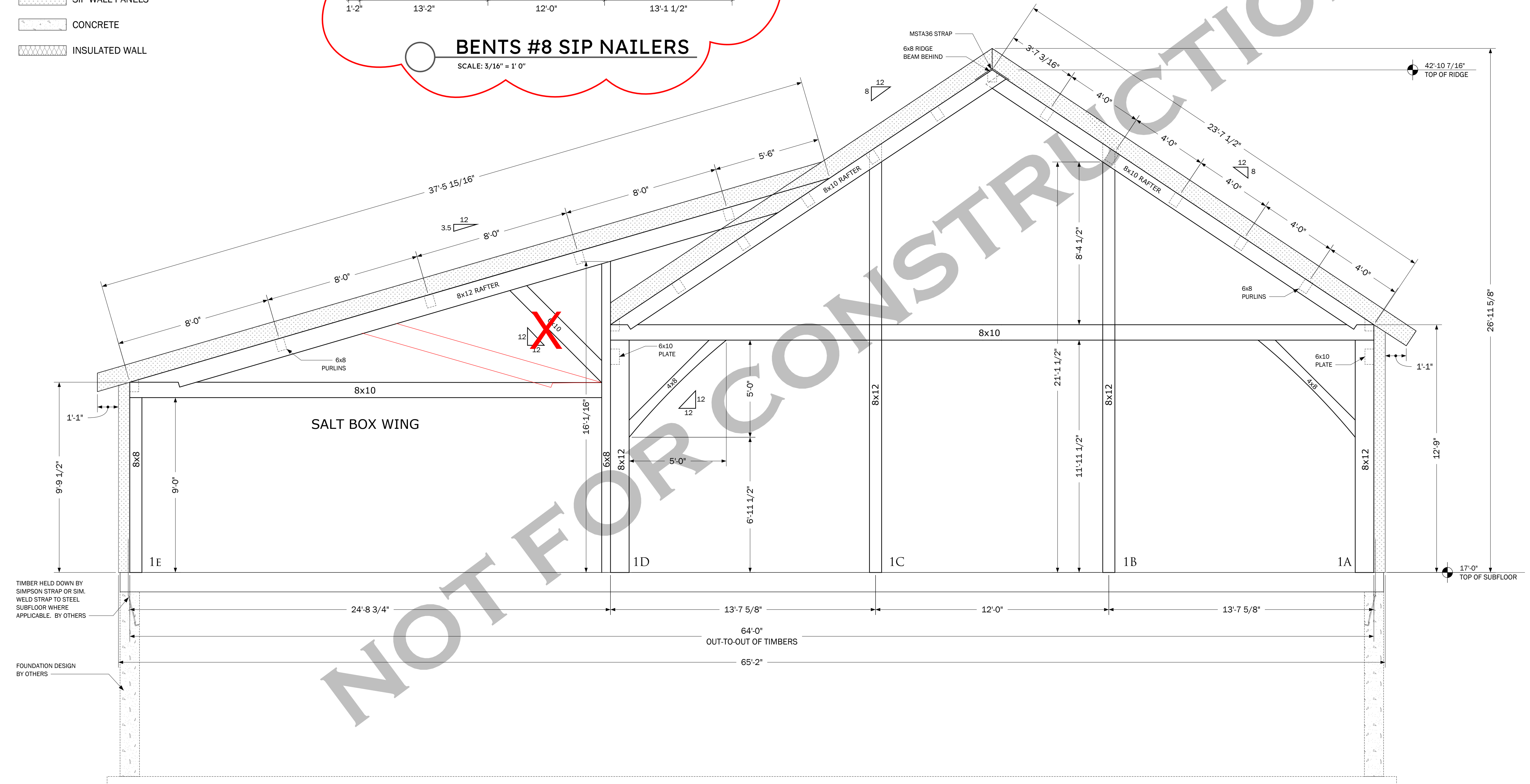
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BENT #1 & #8
PAGE NUMBER
TF 3.01



BENTS #8 SIP NAILERS
SCALE: 3/16" = 1' 0"

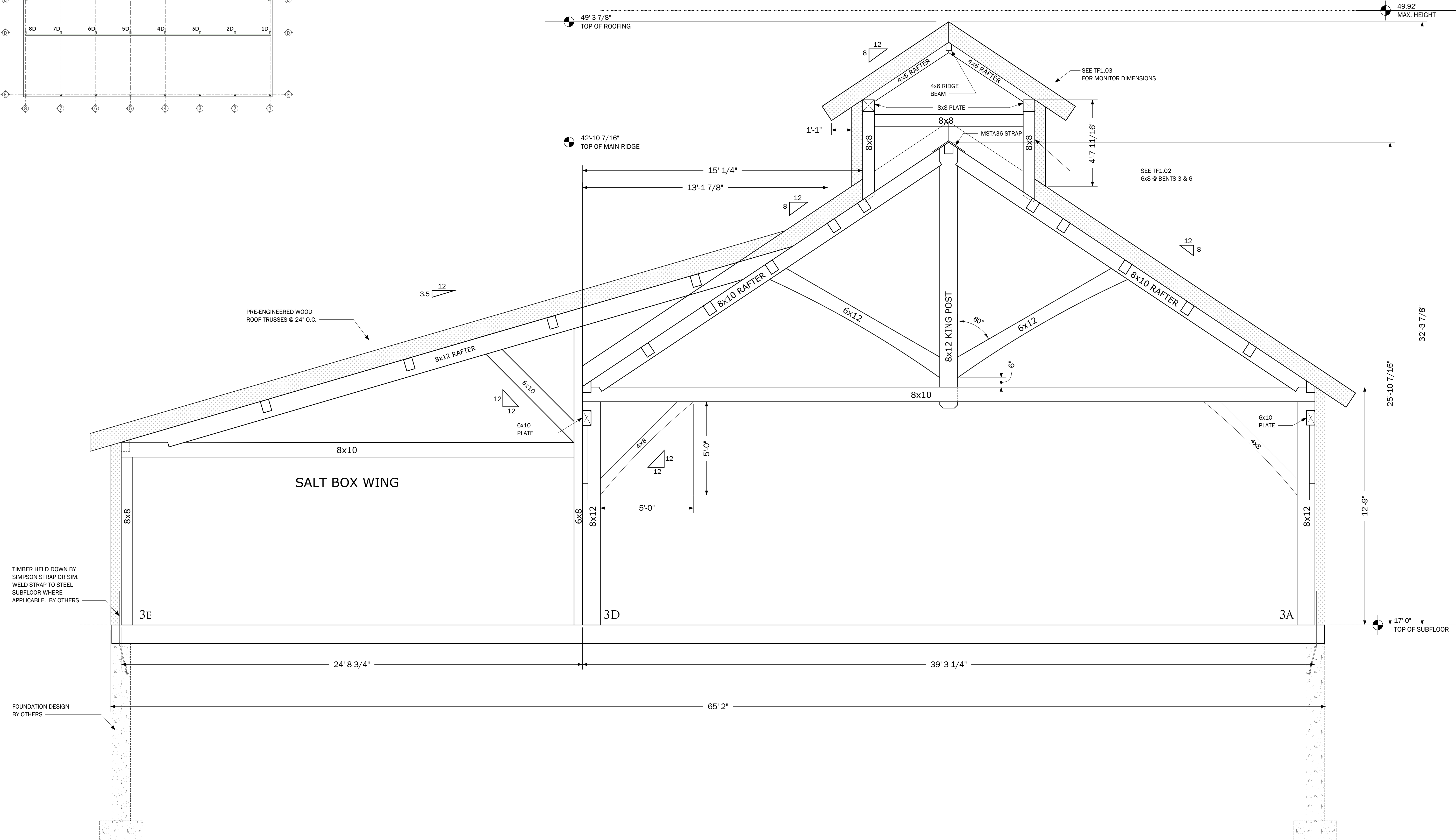
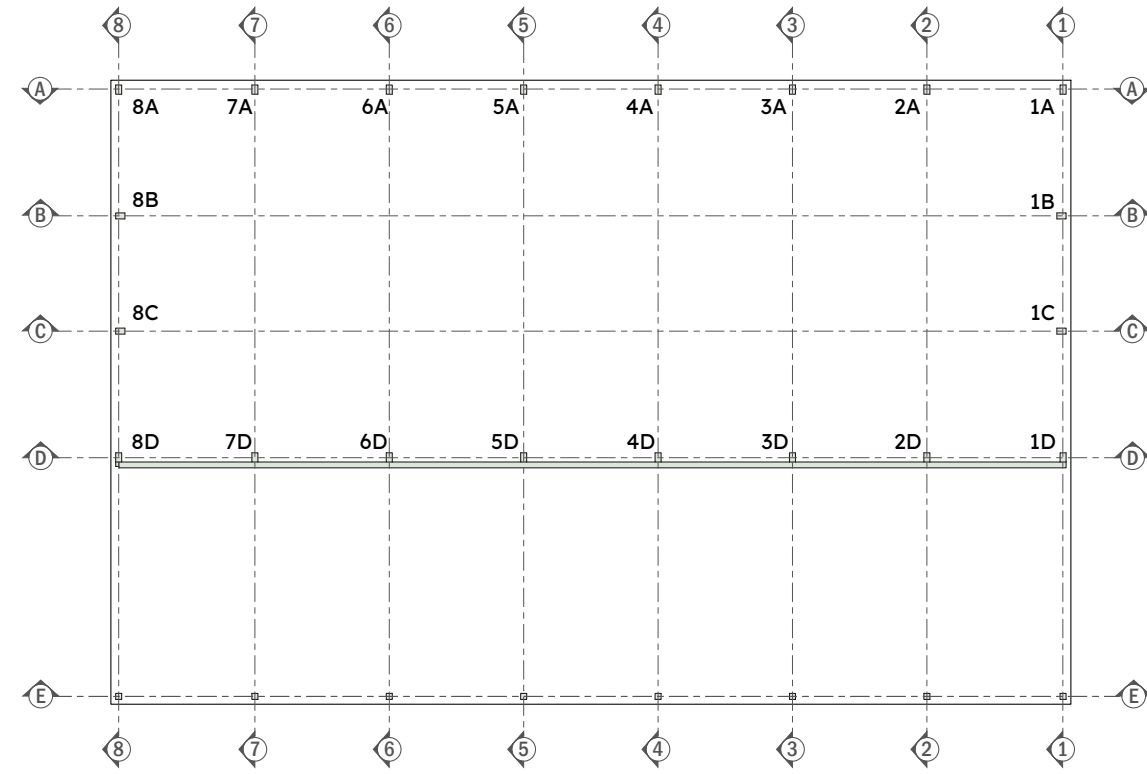
- FILLS:**
- SIP WALL PANELS
 - CONCRETE
 - INSULATED WALL



BENTS #1 & #8
SCALE: 3/8" = 1' 0"

TIMBER HELD DOWN BY SIMPSON STRAP OR SIM. WELD STRAP TO STEEL SUBFLOOR WHERE APPLICABLE. BY OTHERS

FOUNDATION DESIGN BY OTHERS



BENTS #3, 4, 5, 6

SCALE: 3/8" = 1' 0"

9.92' MEAN GRADE LINE