




# FRONT ELEVATION

NOTICE TO CONTRACTOR  
All construction must comply with current NC Building Codes  
and is subject to field inspection and verification.

**APPROVED**  
Limited building only review  
Permit holder responsible for  
full compliance with the code

02/08/2021

*Boyle*

  
Harnett  
COUNTY  
NORTH CAROLINA

Approved with builder notes

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Footage Totals:

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FIRST FLOOR	1114 HTG. SQUARE FEET
LOFT	136 HTG. SQUARE FEET
FRONT DECK	94 SQUARE FEET
SCREEN DECK	51 SQUARE FEET

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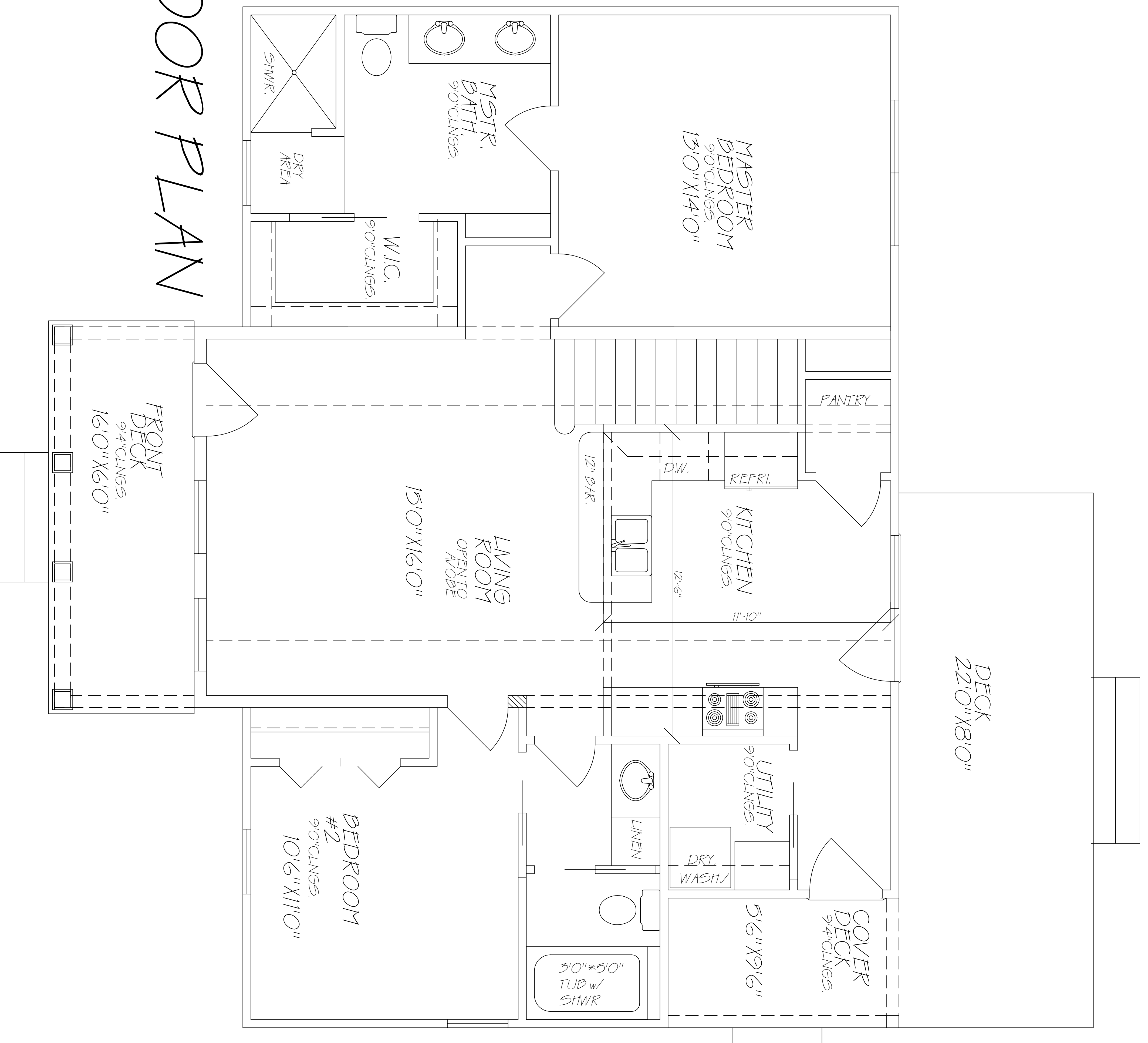
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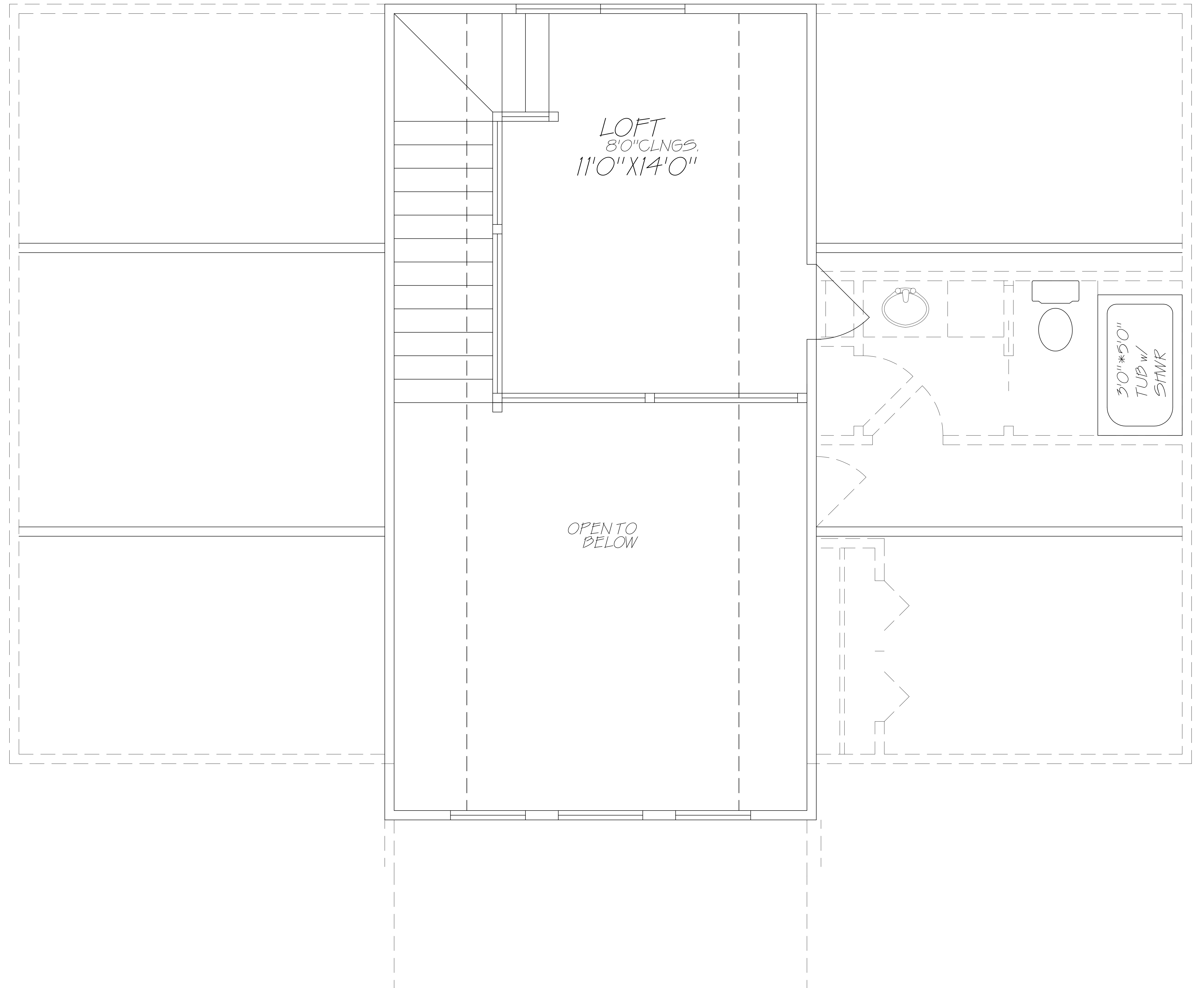
ALL NUMBERS ARE TO FRAME

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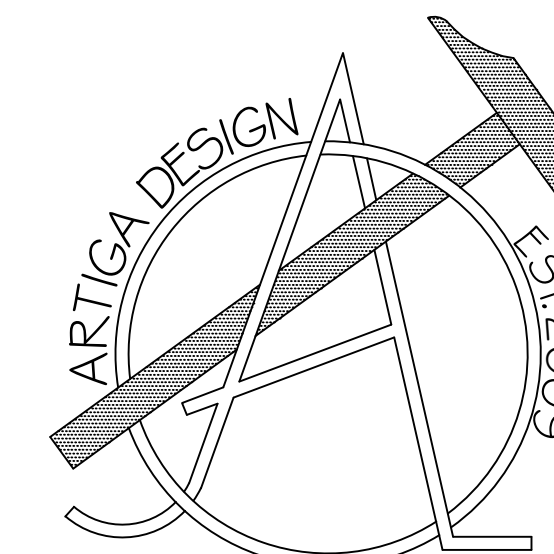
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# FLOOR PLAN





SECOND FLOOR PLAN



Enrique J. Artiga  
(910)-637-0350

Client:  
Robert Elliot  
TBD Brookstone Dr.  
Cameron, NC 28326

- Notes:
- 1) ALL FINAL MATERIALS ARE TO BE CHOSEN BY HOME OWNER AND/OR BUILDER.
  - 2) FINAL NUMBER OF EXTERIOR STEPS WILL BE DECIDED ON CONSTRUCTION SITE
  - 3) CONTRACTOR MUST VERIFY ALL MEASUREMENTS AND DETAILS BEFORE CONSTRUCTION BEGINS. ALL WORK MUST MEET OR EXCEED BUILDING CODES.
  - 4) DESIGNER ASSUMES NO RESPONSIBILITY FOR CHANGES MADE TO THESE PLANS BY OTHERS, DURING CONSTRUCTION.
  - 5) FOR SECURITY PURPOSES PLANS SHOULD BE REVIEWED BY A STRUCTURAL ENGINEER BEFORE CONSTRUCTION COMMENCES.

Footage Totals:

FIRST FLOOR	1115 HTG. SQUARE FEET
LOFT	155 HTG. SQUARE FEET
FRONT DECK	97 SQUARE FEET
COVERED DECK	51 SQUARE FEET

HEATED TOTAL 1270 HTG. SQUARE FEET

ALL NUMBERS ARE TO FRAME

Issue Date:  
EJA 09/18/20

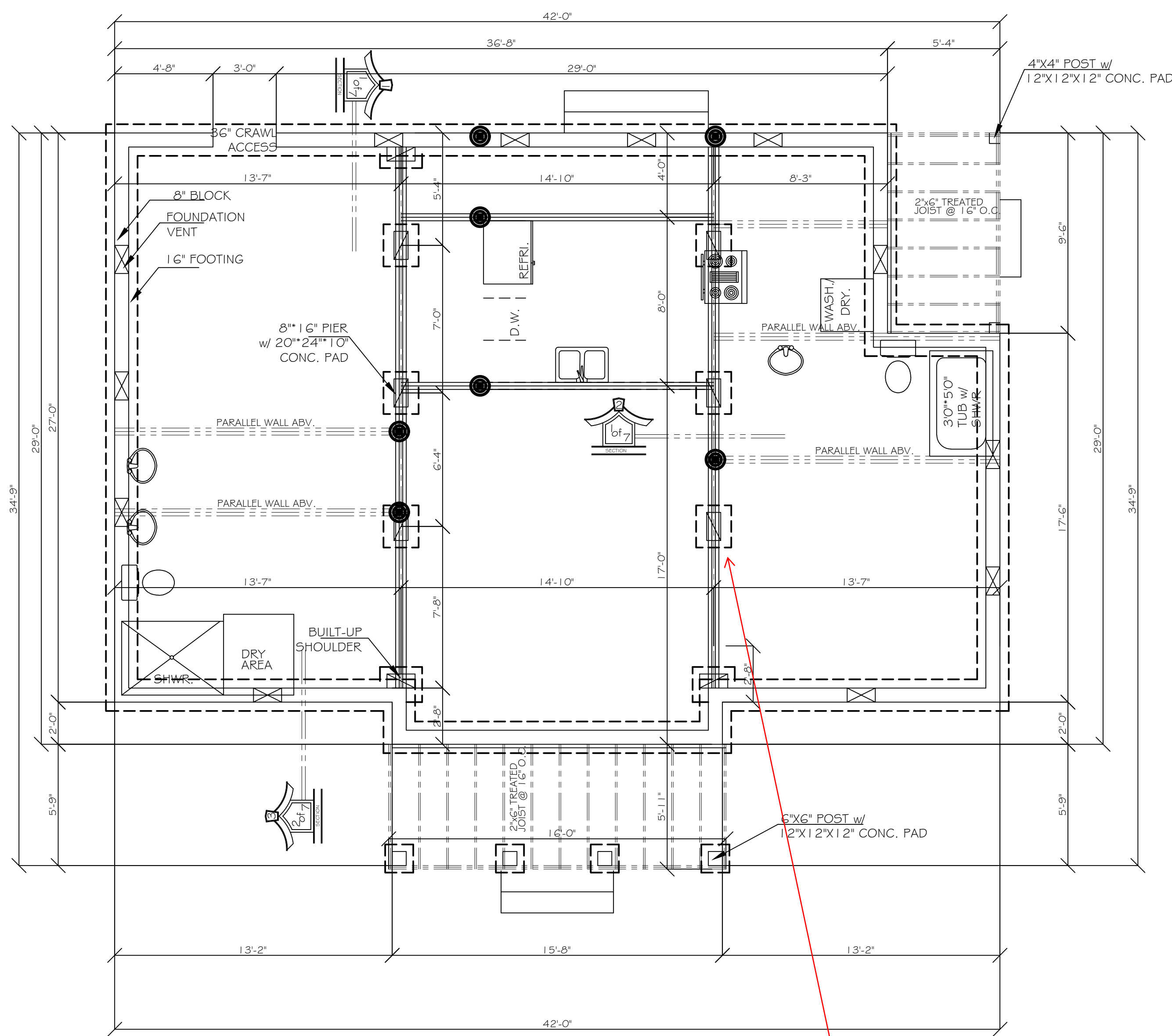
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EJA 08/23/10  
THS 09/17/20

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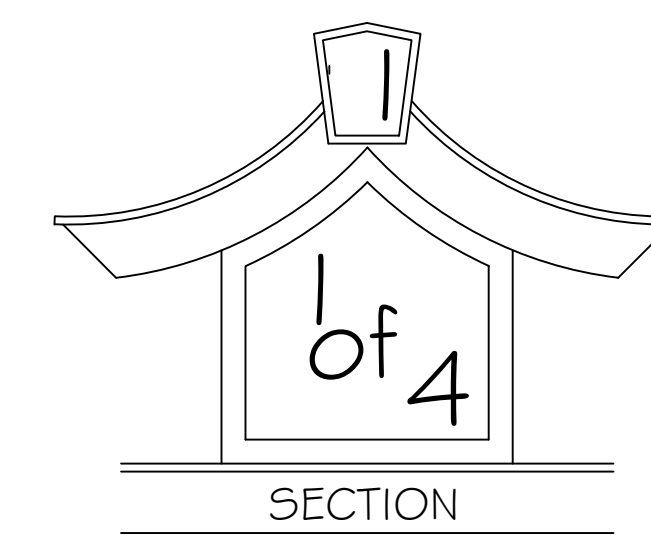
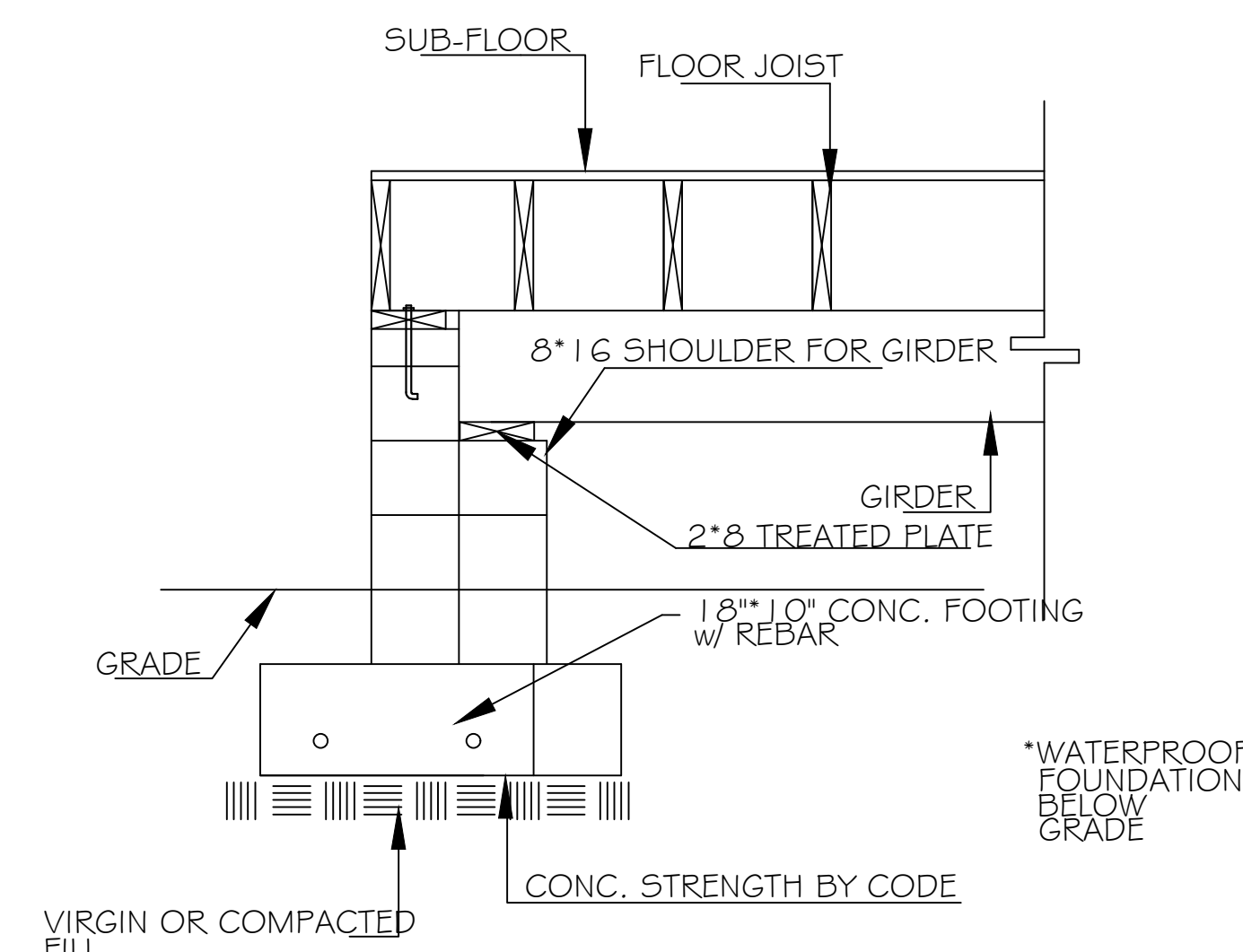
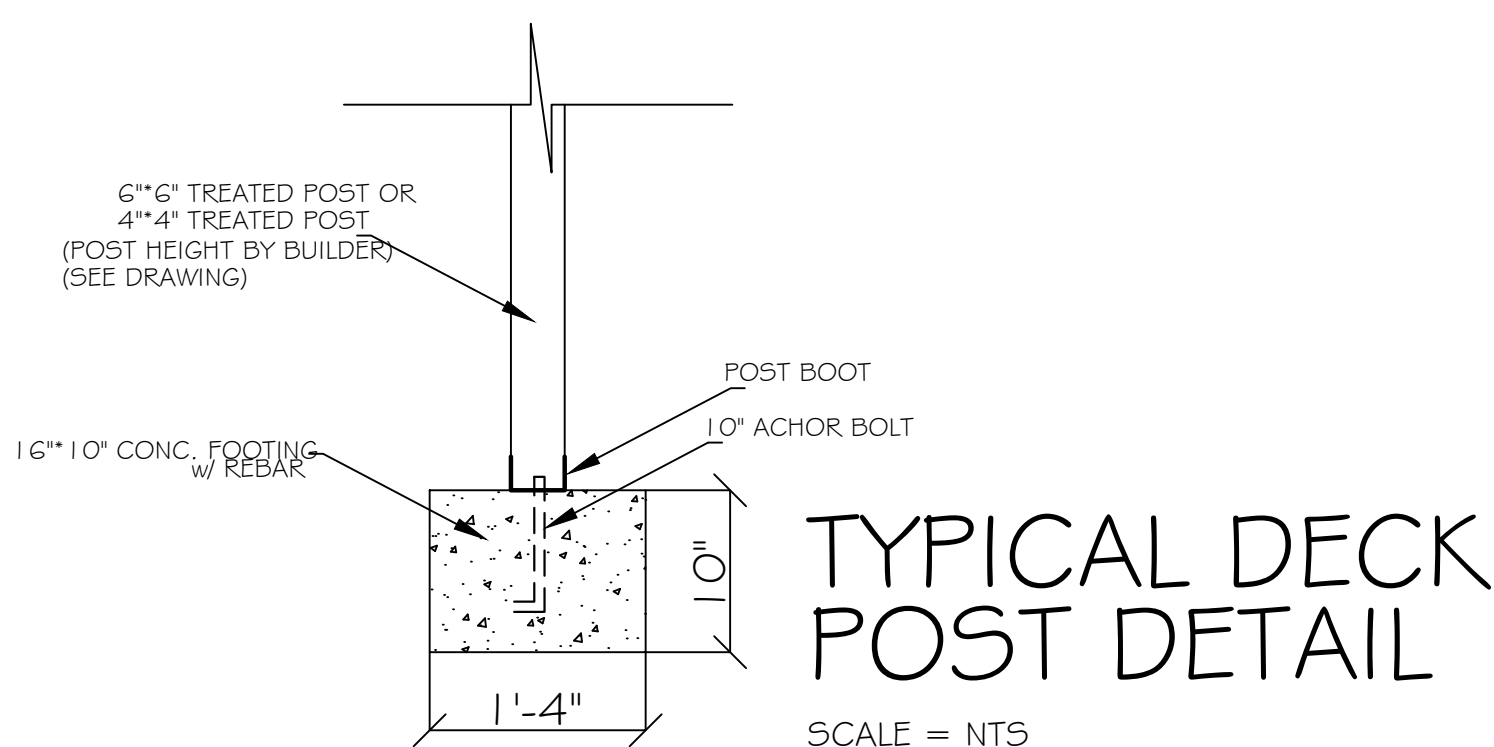
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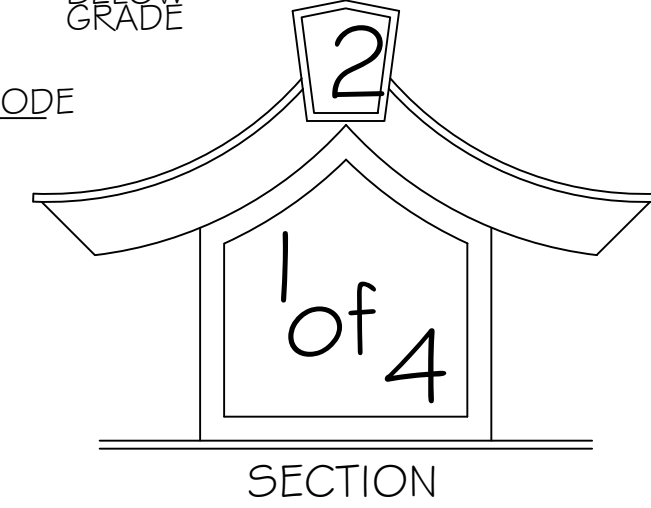
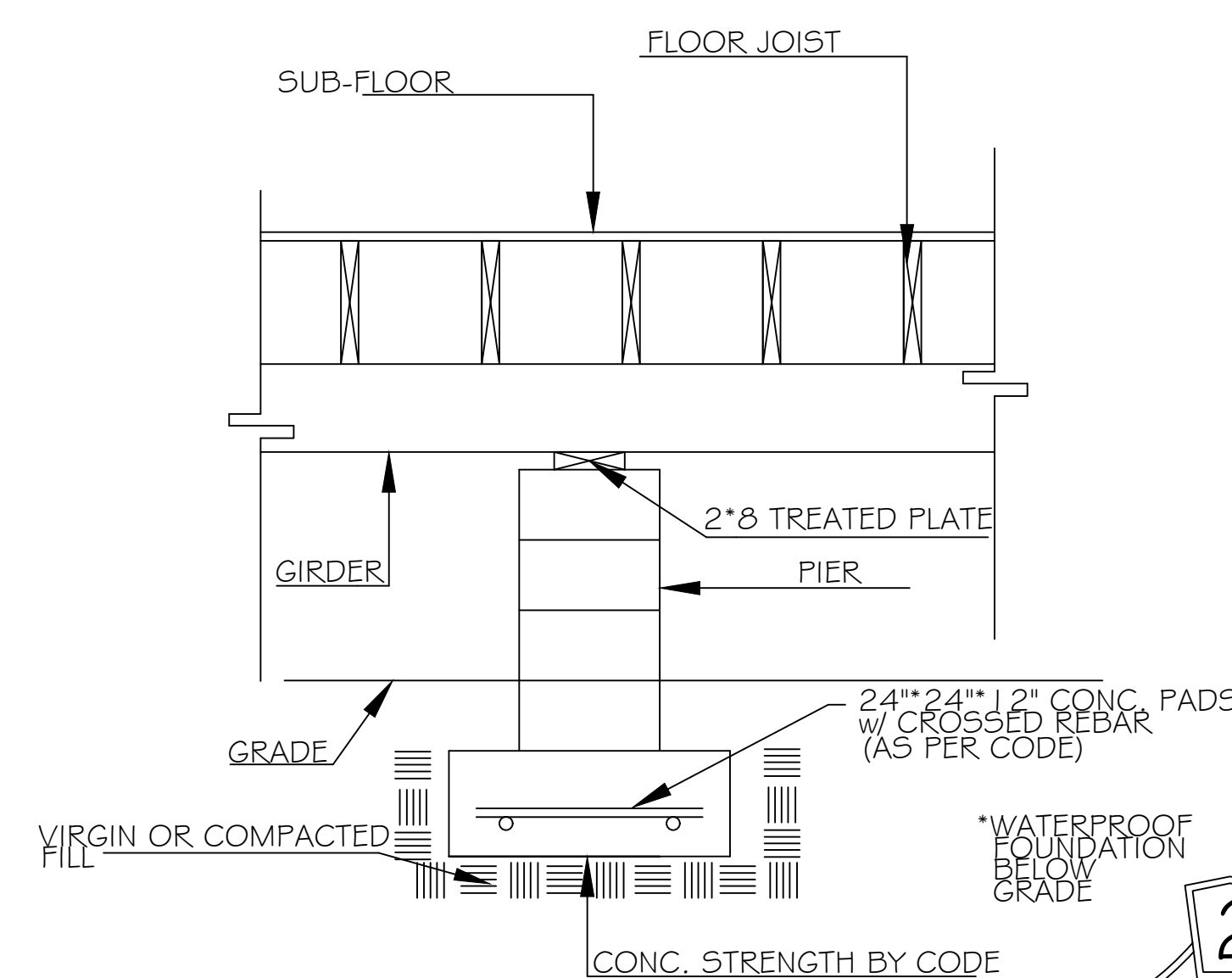
1 of 4



FOUNDATION PLAN

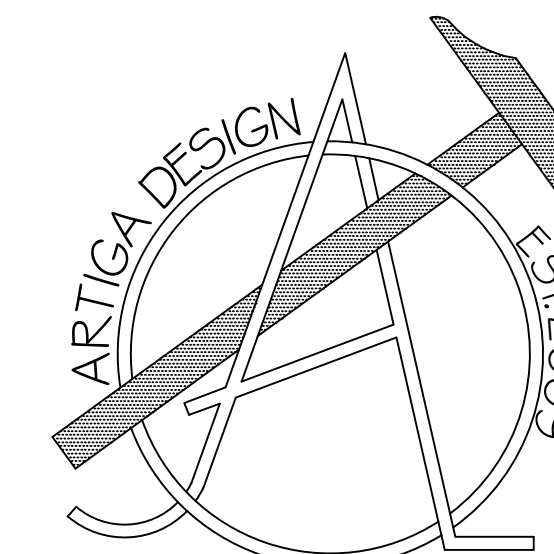


TYPICAL SHOULDER DETAIL  
SCALE = NTS



TYPICAL DROPPED GIRDER DETAIL  
SCALE = NTS





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HEATED TOTAL 1270 HTG. SQUARE FEET

ALL NUMBERS ARE TO FRAME

Issue Date:

EJA 09/18/20

Drafting By:

EJA 08/10/10  
EJA 08/23/10  
THS 09/17/20

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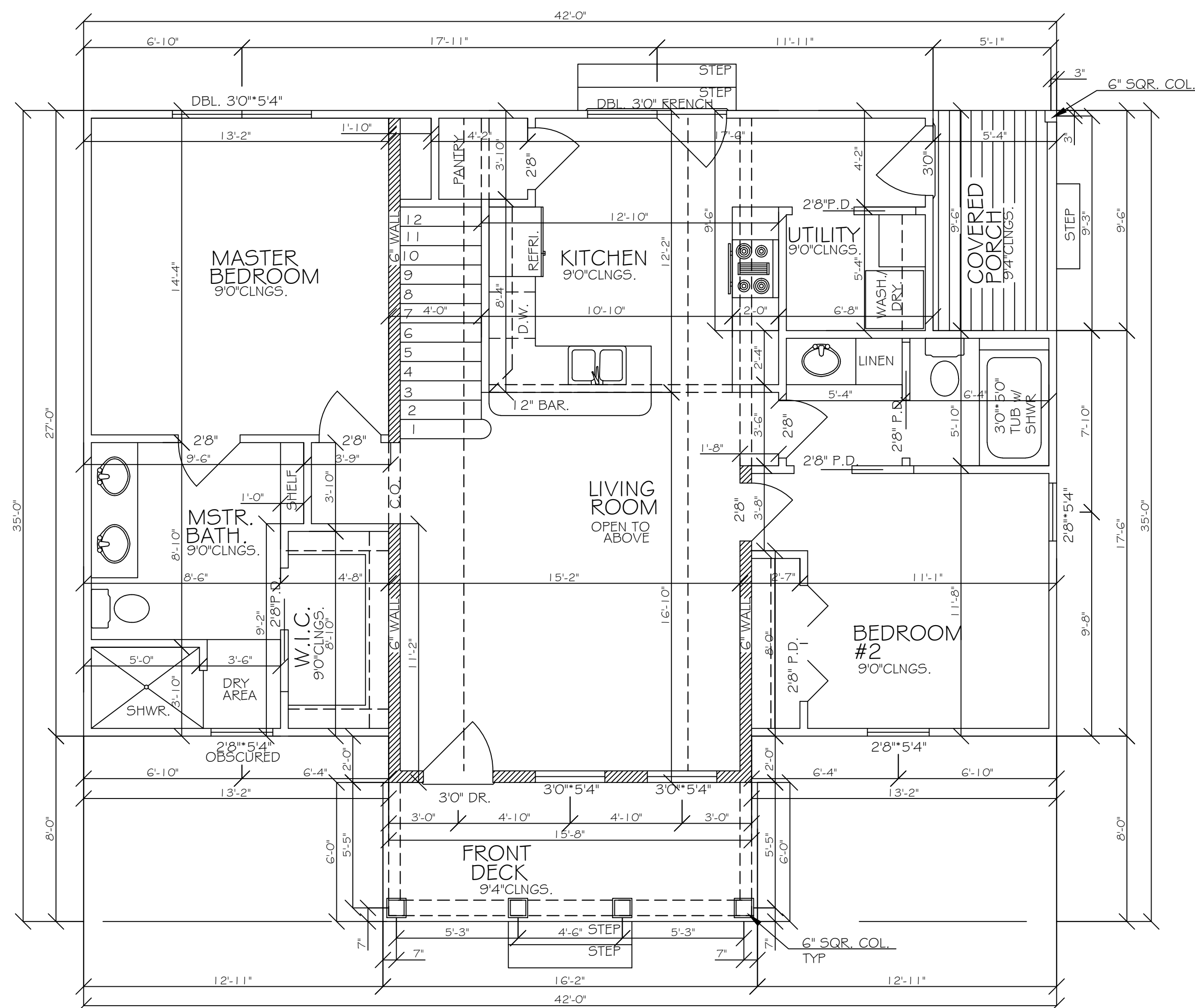
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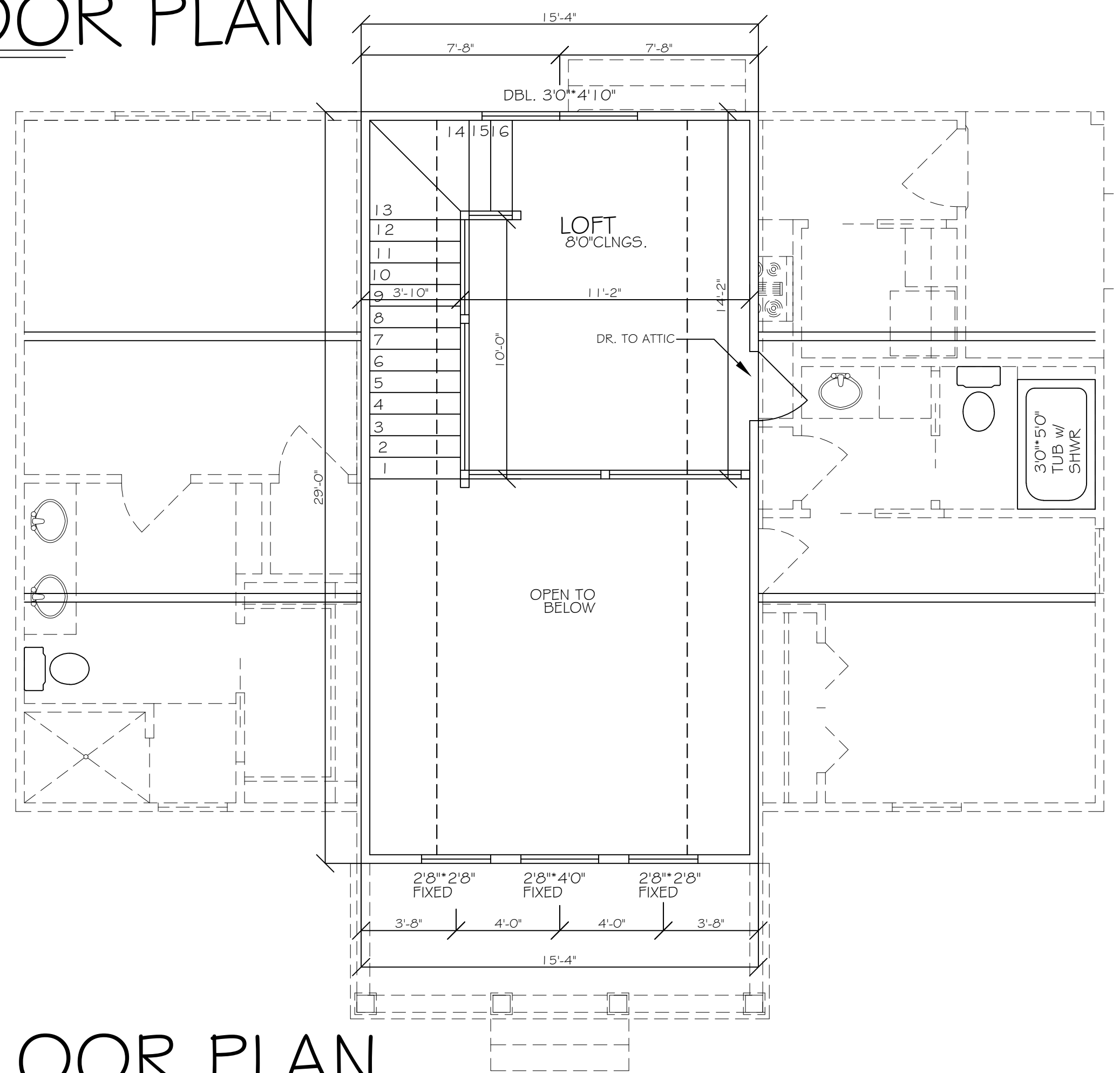
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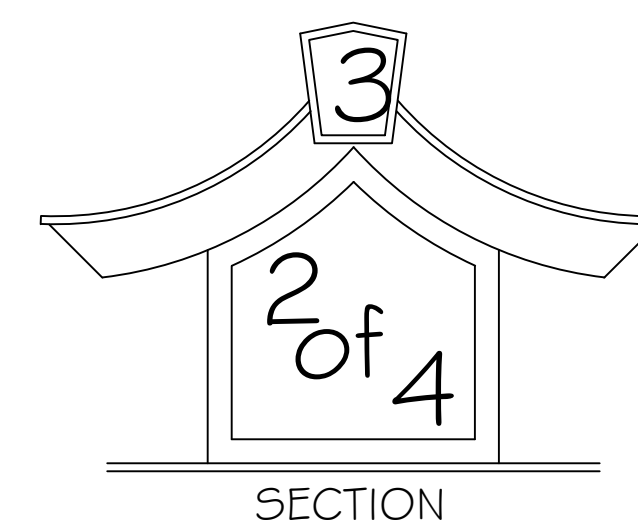
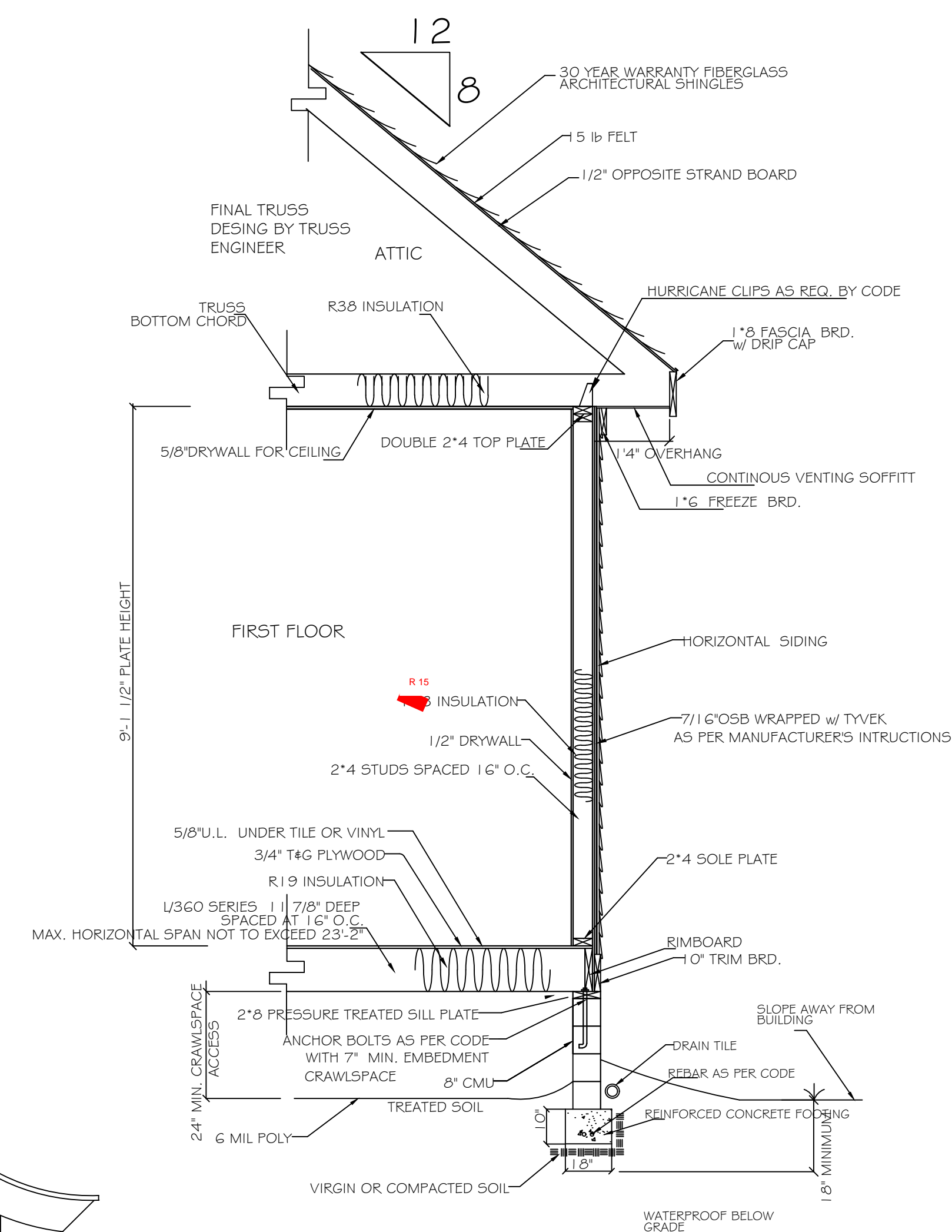
2 of 4



FIRST FLOOR PLAN



SECOND FLOOR PLAN



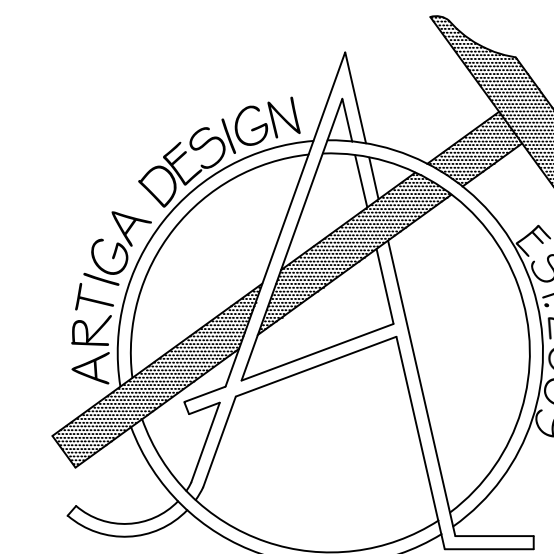
TYPICAL ONE STORY w/ TYPICAL CRAWLSPACE SECTION

SCALE = NTS

NOTE:  
ALL JOISTS UNDER PARALLEL WALLS ARE TO BE REINFORCED.

NOTE:  
N. 2 YELLOW PINE SPACED AT 16" O.C.  
MAX. HORIZONTAL SPAN NOT TO EXCEED 16'5"  
USE 2X8 CEILING JOIST @ 16" O.C.  
MAX. HORIZONTAL SPAN NOT TO EXCEED 16'5"

- NOTE:
- 1) MAIN ROOF SYSTEM HAS A CANTILVERED OVERHANG DESIGN. LISTED NUMBERS ARE APPROXIMATIONS. FRAMER/BUILDER TO CONFIRM AND ADJUST ACCORDINGLY ON SITE.
  - 2) FASCIAS ARE TO LINE UP ACCORDING TO ENCLOSED ELEVATIONS. FRAMER/BUILDER MAY HAVE TO ADJUST OVERHANGS IN CERTAIN AREAS TO ALLOW FOR THIS.
  - 3) THIS IS ONLY A SKETCH PROPOSING TRUSSES FOR MAIN ROOF SYSTEM. FINAL DESIGN BY TUSS ENGINEER/ MANUFACTURER.
  - 4) ALL OVERFRAME AREAS ARE TO BE STICK BUILT.



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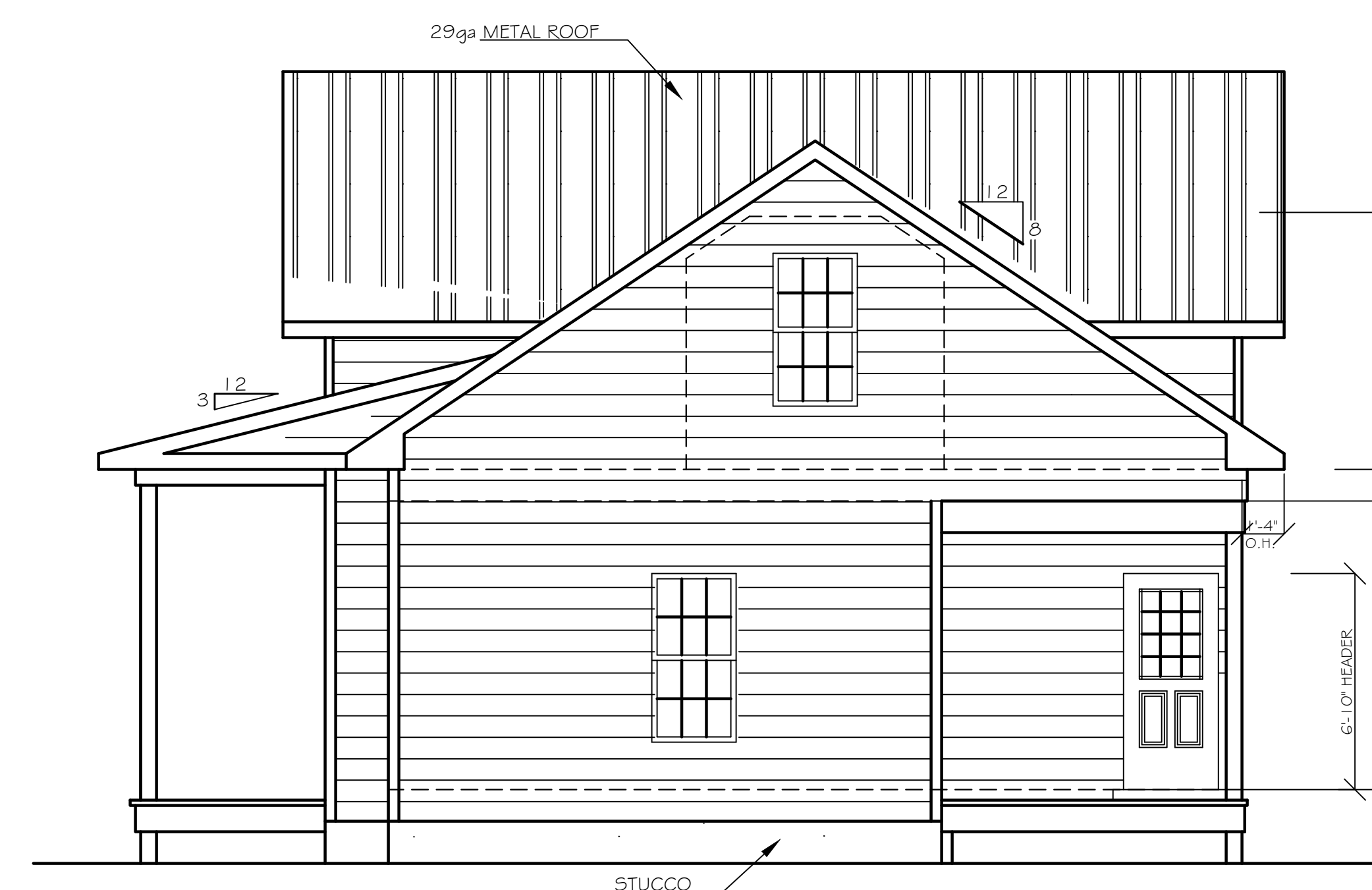
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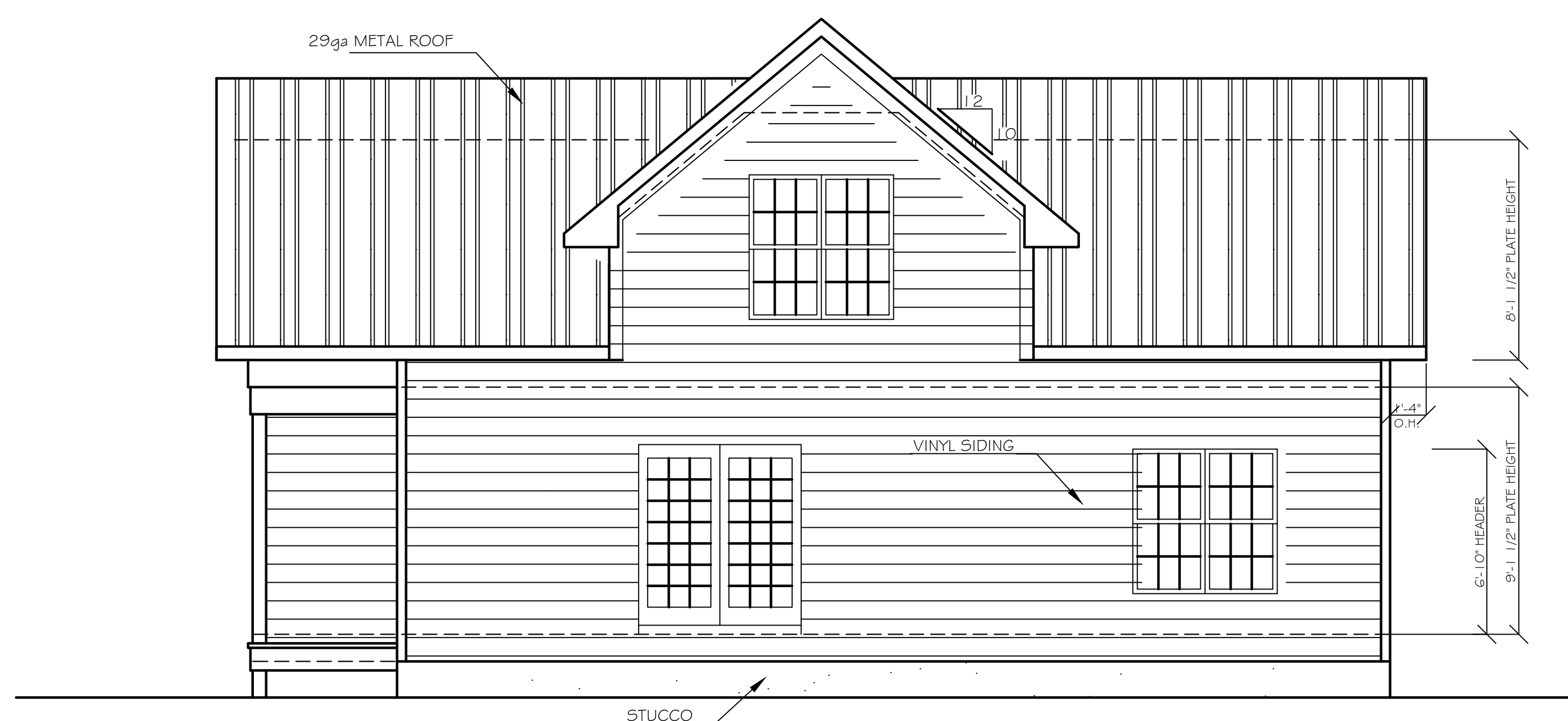
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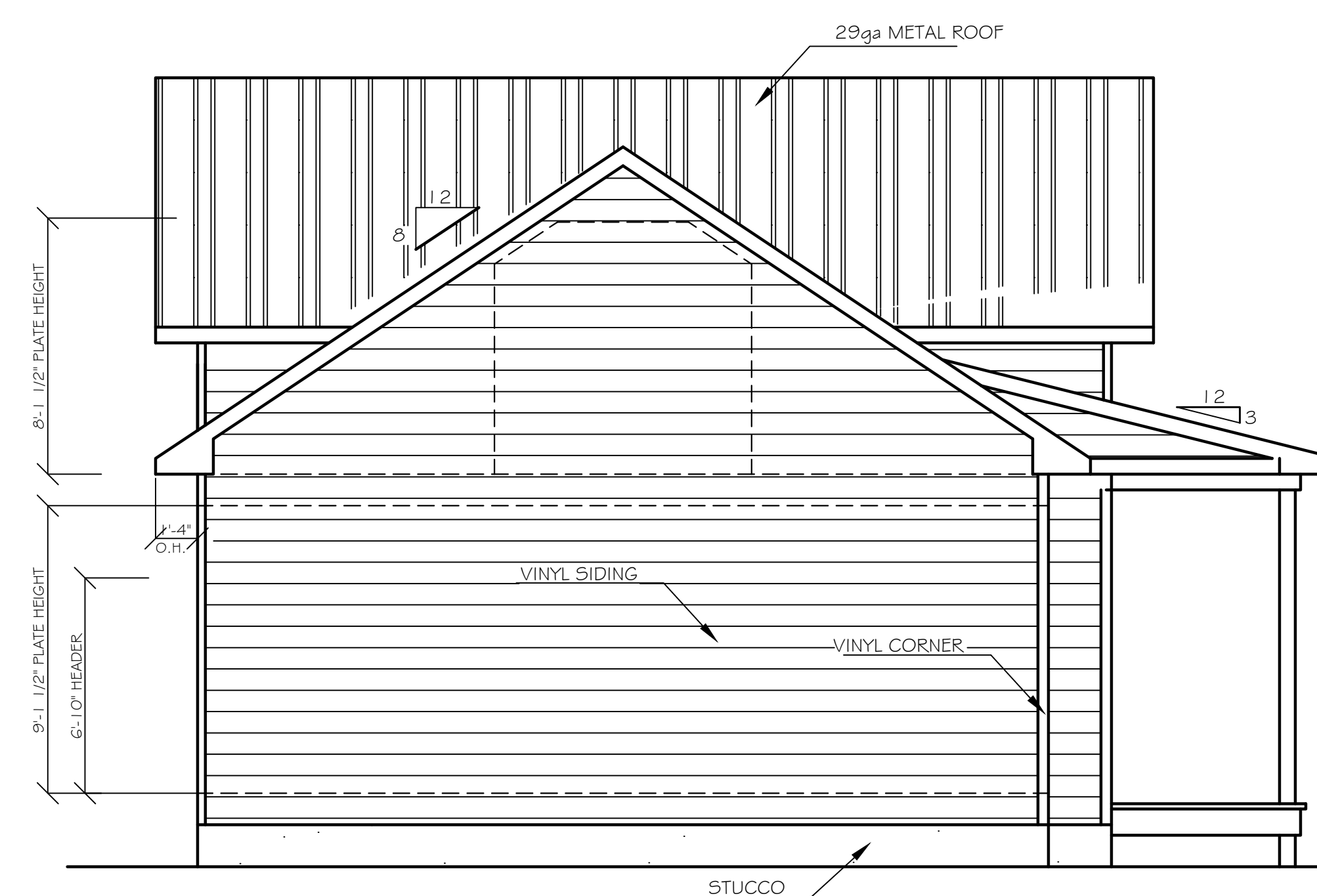
FRONT ELEVATION



RIGHT SIDE ELEVATION

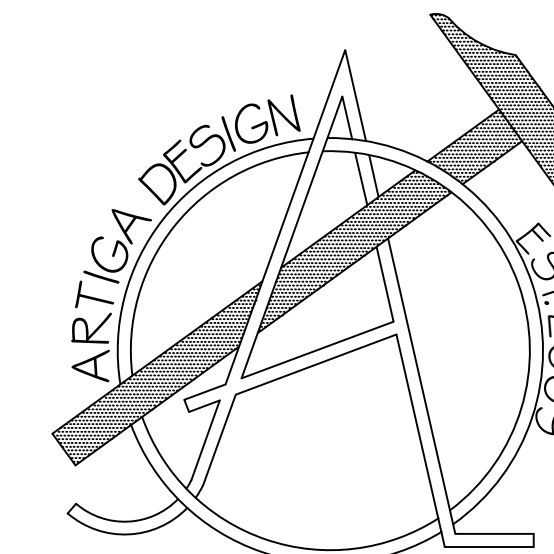


REAR ELEVATION



LEFT SIDE ELEVATION





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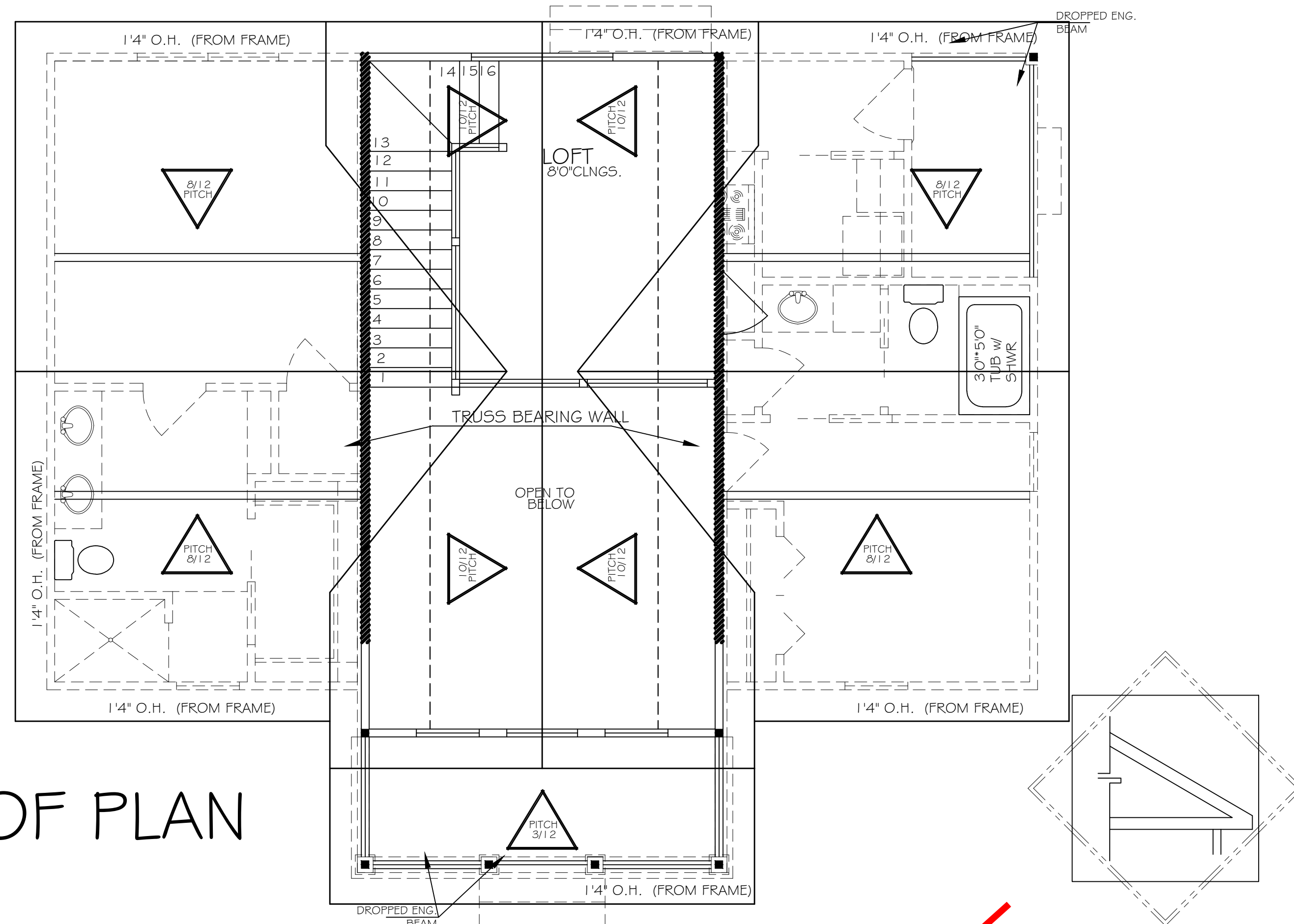
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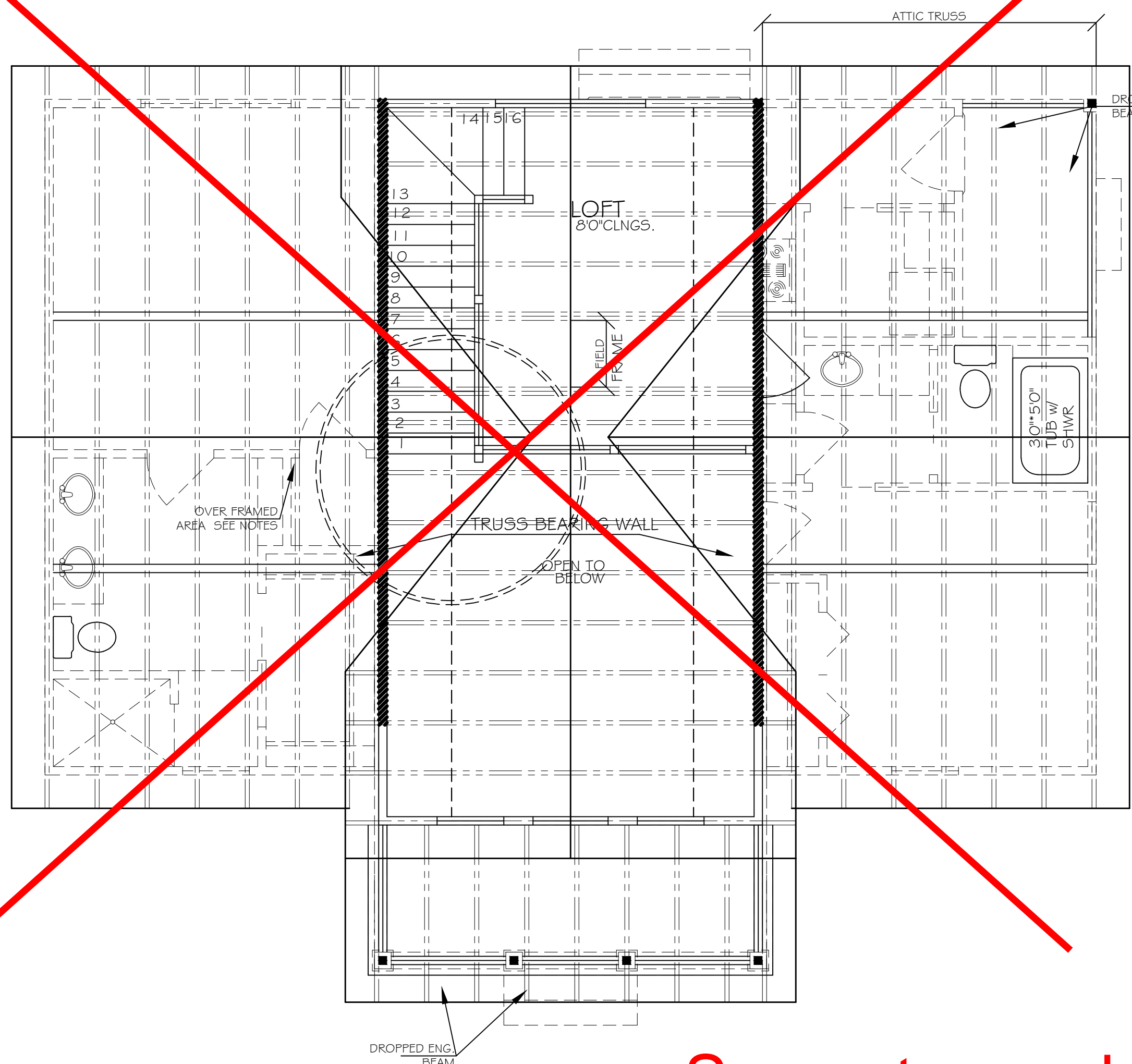
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4 of 4

ROOF PLAN

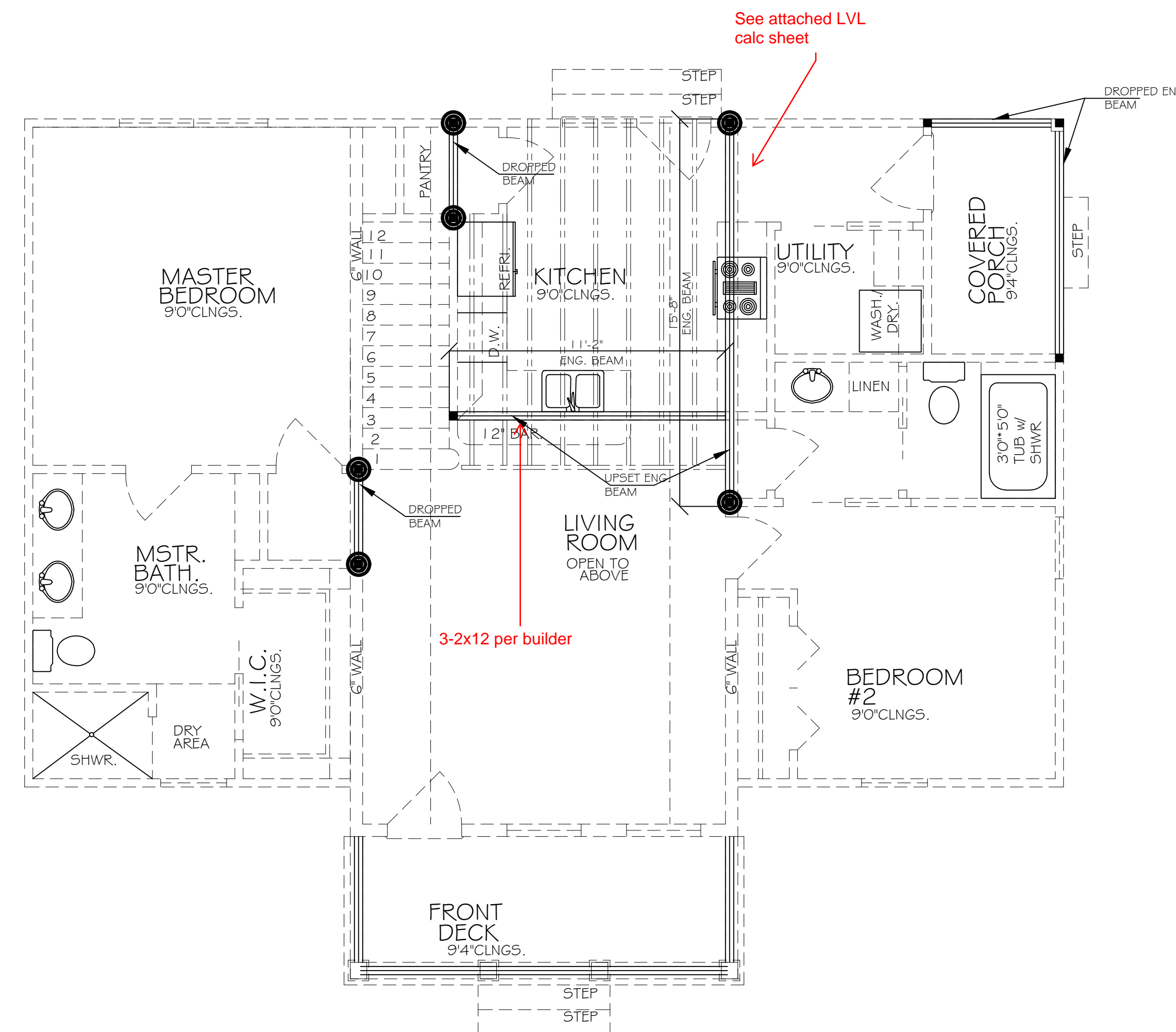


CANTILEVERED HEEL TRUSSES (STANDARD)



PROPOSED TRUSS PLAN

See notes and roof detail attached.



FLOOR SYSTEM PLAN

NOTE:

- 1) MAIN ROOF SYSTEM HAS A CANTILEVERED OVERHANG DESIGN. SOME AREAS ARE TO BE RASD. LISTED NUMBERS ARE APPROXIMATIONS. FRAMER/ BUILDER TO CONFIRM AND ADJUST ACCORDINGLY ON SITE.
- 2) FASCIAS ARE TO LINE UP ACCORDING TO ENCLOSED ELEVATIONS. FRAMER/ BUILDER MAY HAVE TO ADJUST OVERHANGS IN CERTAIN AREAS TO ALLOW FOR THIS.
- 3) ALL OVER FRAME AREAS ARE TO BE STICK BUILT, ACCORDING TO SPECIFICATIONS BELOW.

USE NO. 2 SOUTHERN YELLOW PINE 2X10  
RAFTERS SPACES @ 16" O.C.  
MAX. HORIZONTAL SPAN NOT TO EXEED 16'5"

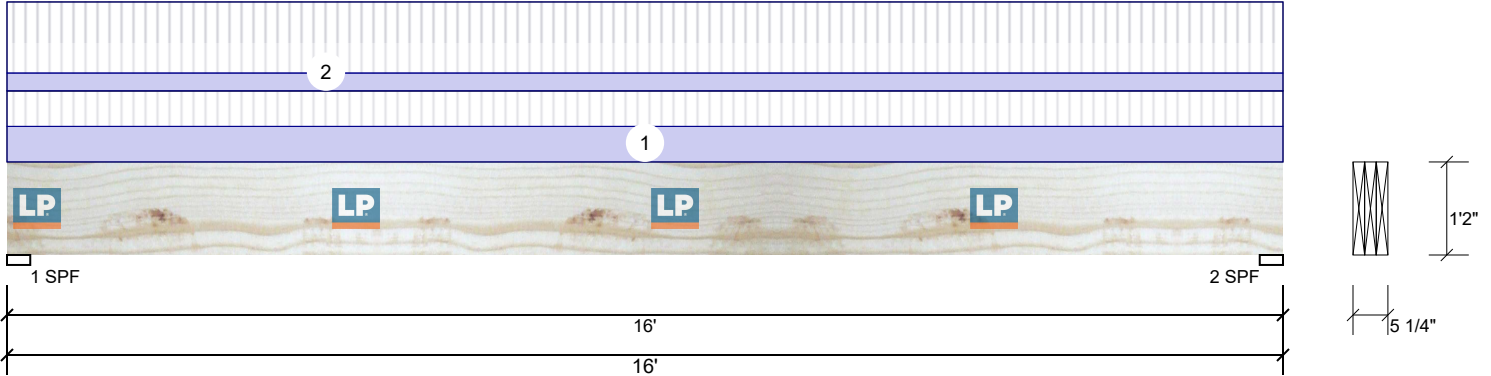
USE NO. 2 SOUTHERN YELLOW PINE 2X8  
CEILING JOISTS @ 16" O.C.  
MAX. HORIZONTAL SPAN NOT TO EXEED 16'5"

■ ROOF LOAD POINT

● FLOOR LOAD POINT



**Beam over Stove LP-LVL 2900Fb-2.0E 1.750" X 14.000" 3-Ply - PASSED** Level: Level



**Member Information**

Type:	Girder
Plies:	3
Moisture Condition:	Dry
Deflection LL:	480
Deflection TL:	240
Importance:	Normal
Temperature:	Temp <= 100°F

Application:	Floor
Design Method:	ASD
Building Code:	IBC/IRC 2015
Load Sharing:	Yes
Deck:	Not Checked

**Reactions UNPATTERNED lb (Uplift)**

Brg	Live	Dead	Snow	Wind	Const
1	3840	2088	0	0	0
2	3840	2088	0	0	0

**Bearings**

Bearing	Length	Cap. React	D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	3.500"	76%	2088 / 3840	5928	L	D+L
2 - SPF	3.500"	76%	2088 / 3840	5928	L	D+L

**Analysis Results**

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	22374 ft-lb	8'	42165 ft-lb	0.531 (53%)	D+L	L
Shear	4894 lb	1'4 3/4"	13965 lb	0.350 (35%)	D+L	L
LL Defl inch	0.285 (L/654)	8' 1/16"	0.389 (L/480)	0.730 (73%)	L	L
TL Defl inch	0.440 (L/424)	8' 1/16"	0.777 (L/240)	0.570 (57%)	D+L	L

**Design Notes**

- 1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
- 2 Dead Load Deflection: Instant = 0.155", Long Term = 0.233"
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Multiple plies must be fastened together as per manufacturer's details.
- 5 Top loads must be supported equally by all plies.
- 6 Top must be laterally braced at a maximum of 8'6" o.c.
- 7 Bottom braced at bearings.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Uniform			Top	160 PLF	160 PLF	0 PLF	0 PLF	0 PLF	Roof/Ceiling Load
2	Uniform			Top	80 PLF	320 PLF	0 PLF	0 PLF	0 PLF	Floor Load
	Self Weight				21 PLF					

**Notes**

This component analysis is based on the loads, geometry and other conditions as entered by the user and listed in this report. The user is responsible to ensure the accuracy of the input and the applicability to the actual conditions of the structure for which this component is intended. This analysis is valid only for the product listed.  
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**Manufacturer Info**

Louisiana-Pacific Corp  
414 Union Street, Suite 2000  
Nashville, TN 37219  
(888) 820-0325  
www.lpcorp.com  
APA: PR-L280, ICC-ES: ESR-2403,  
LADBS: RR-25783, Florida: FL15228

BMC/Locust Lumber Company  
312 E. Main Street, North Carolina  
28127  
704-888-4411



This design is valid until  
10/31/2021

Elliott PLANS  
Typical Roof Section

Permit SFD 2012-0050

