

Carolina Yardbarns LLC
823A Puser Dr.
Raleigh, NC 27603

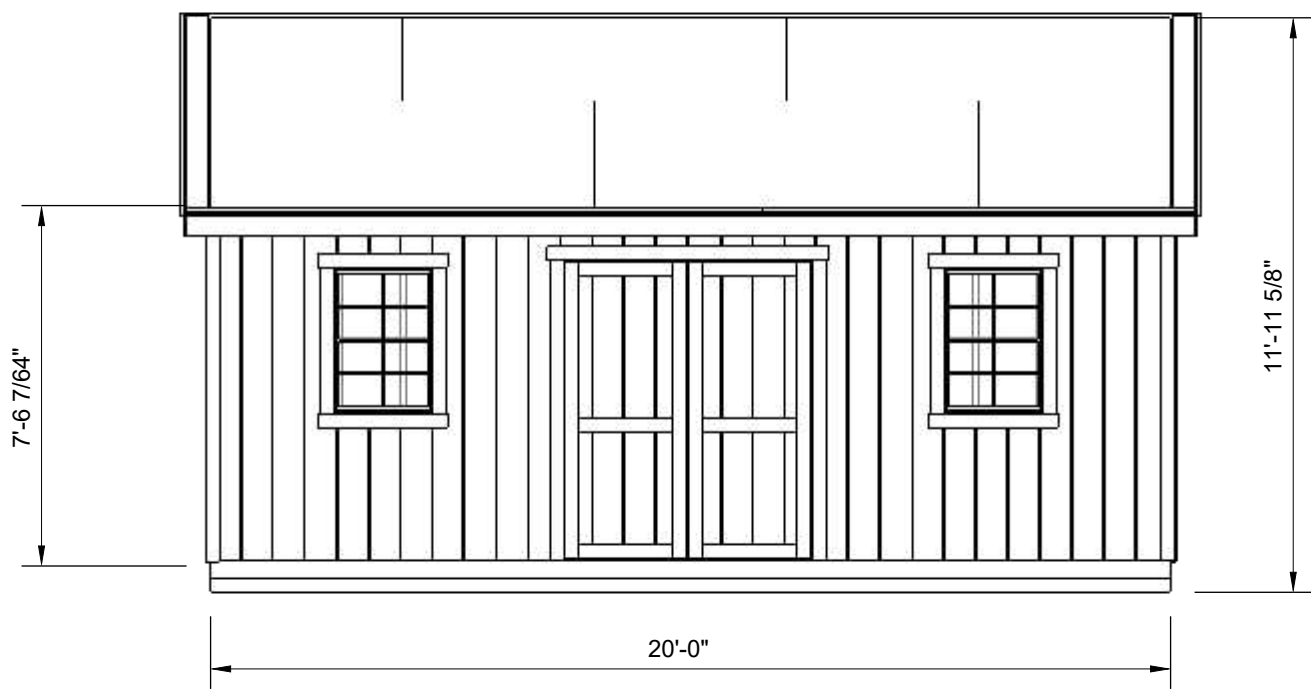
CLIENT
William Bousman
134 Grand Griffon Way
Lillington, NC

PROJECT
12 x 20 PSTM
240sq.ft
PROJECT NO.
26135

ISSUE
09/19/24
DRAWN BY
Rob Powell

**Front
Elevation**

A.01



**Shed wall
will be
7ft
from
avg.
grade**

**Shed will be anchored at all four
corners with mobile home anchors
and strap**

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

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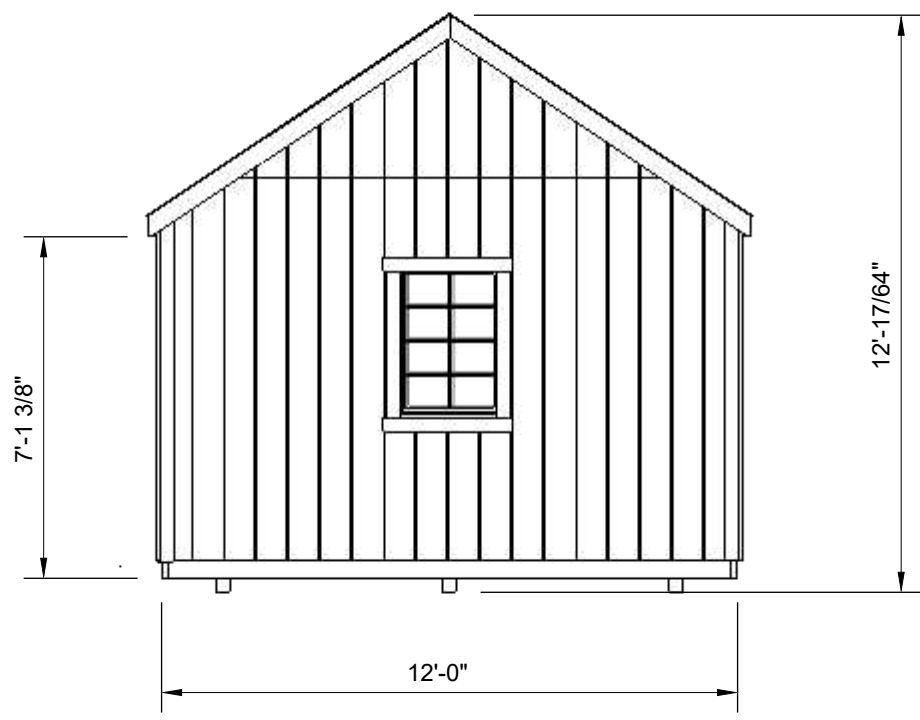
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**Right
Elevation**

A.02

**Shed wall will be
7ft from average
grade**



**Shed will be anchored at all four
corners with mobile home anchors
and strap**

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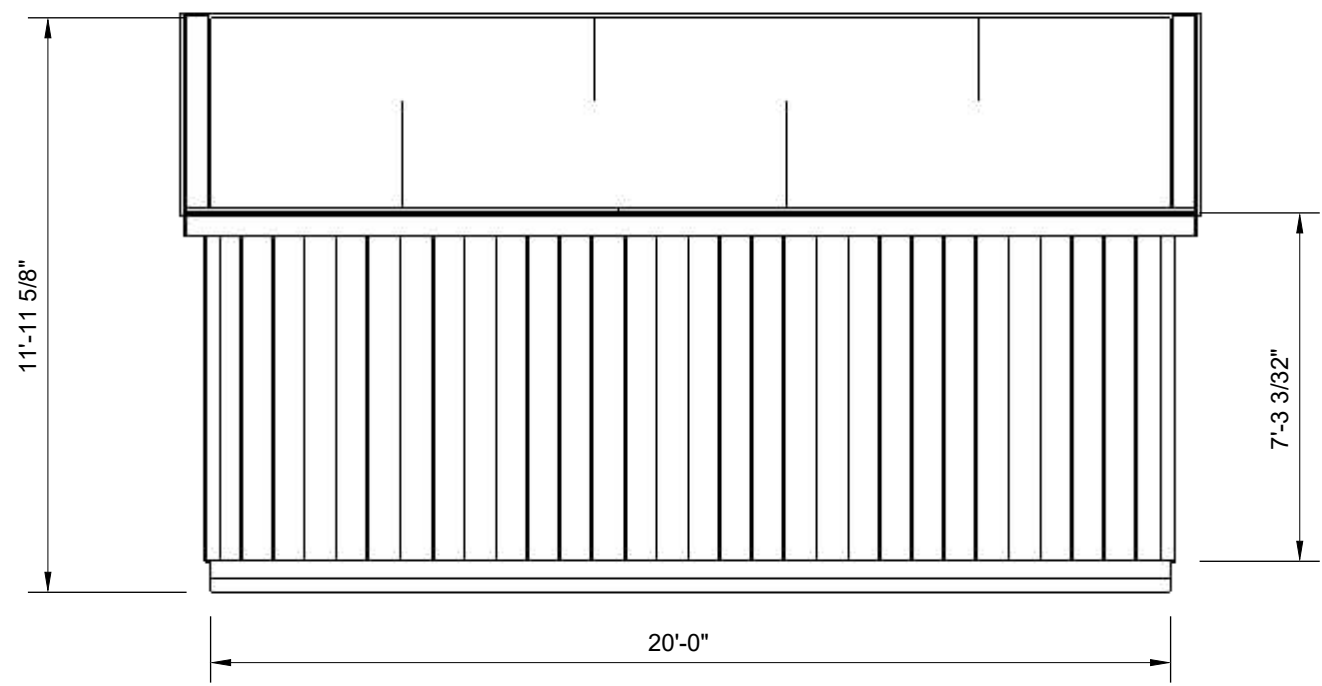
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**Rear
 Elevation**

A.03



Shed will be anchored at all four corners with mobile home anchors and strap

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

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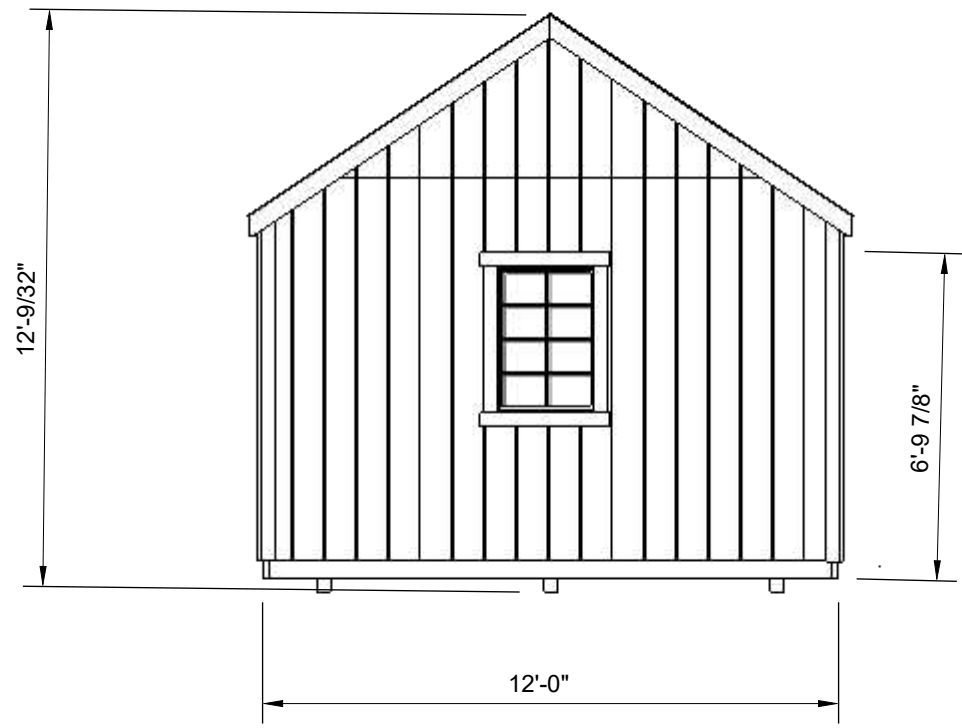
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 Rob Powell

**Left
Elevation**

A.04



**Shed wall will be
7ft from average
grade**

**Shed will be anchored at all four
corners with mobile home anchors
and strap**

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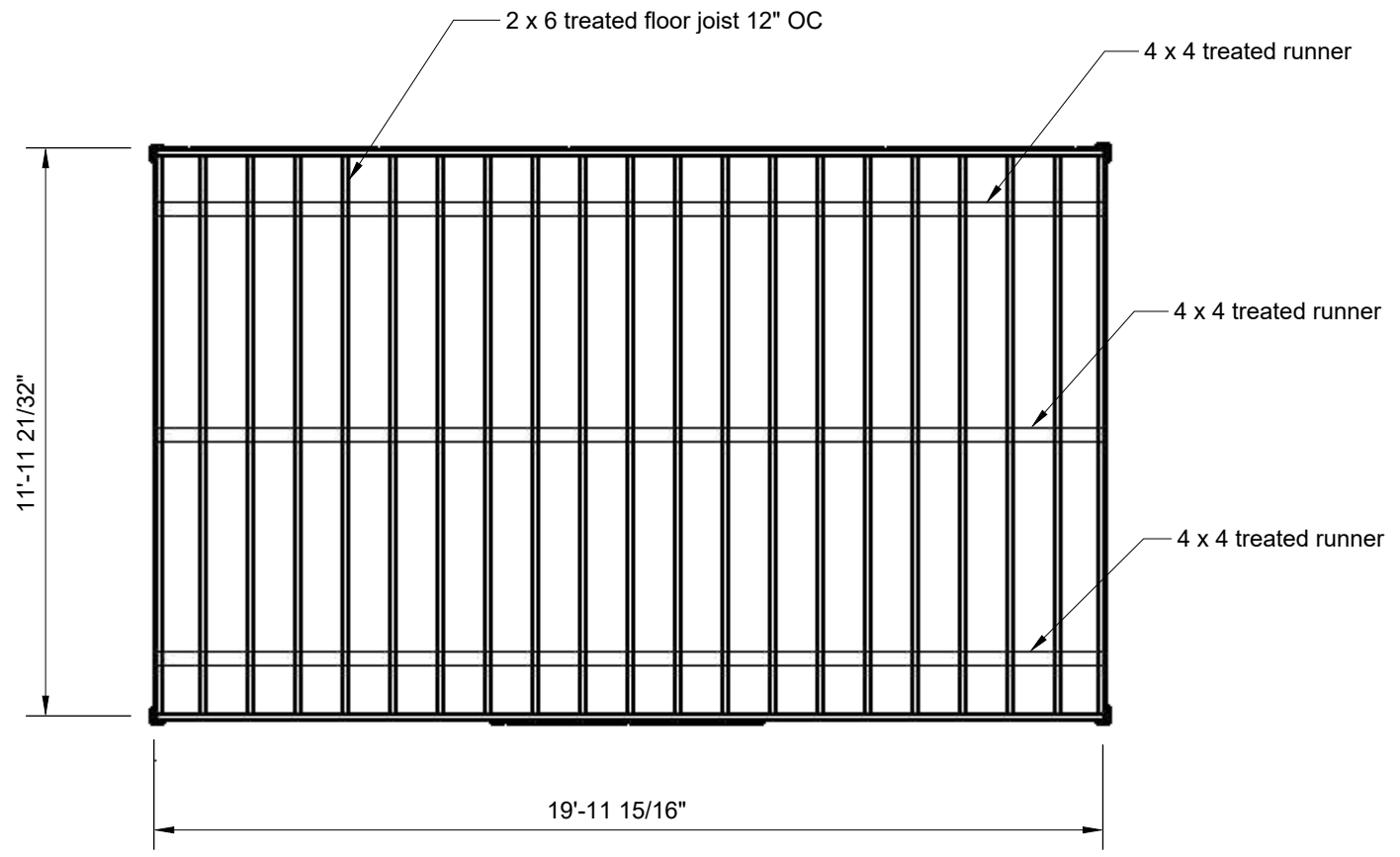
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Floor Framing Section view

A.05



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

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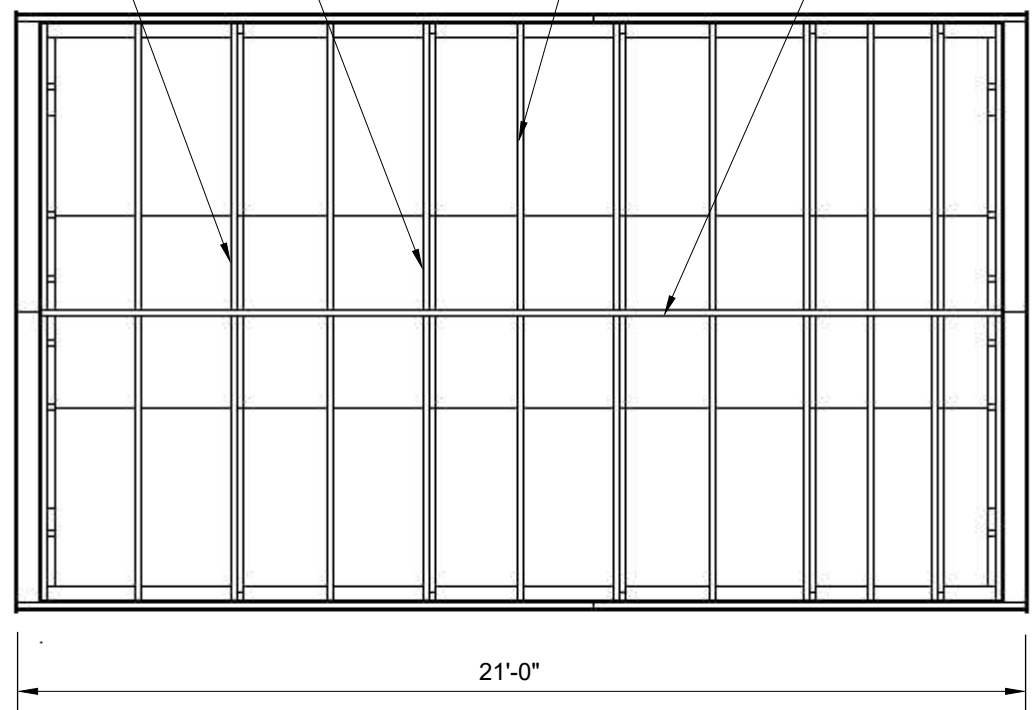
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Roof Framing
Section view

2 x 4 collar tie 48" OC
 2 x 6 ceiling joist 48" OC
 2 x 6 rafter 24" OC
 2 x 8 ridge



12'-6 1/4"

21'-0"

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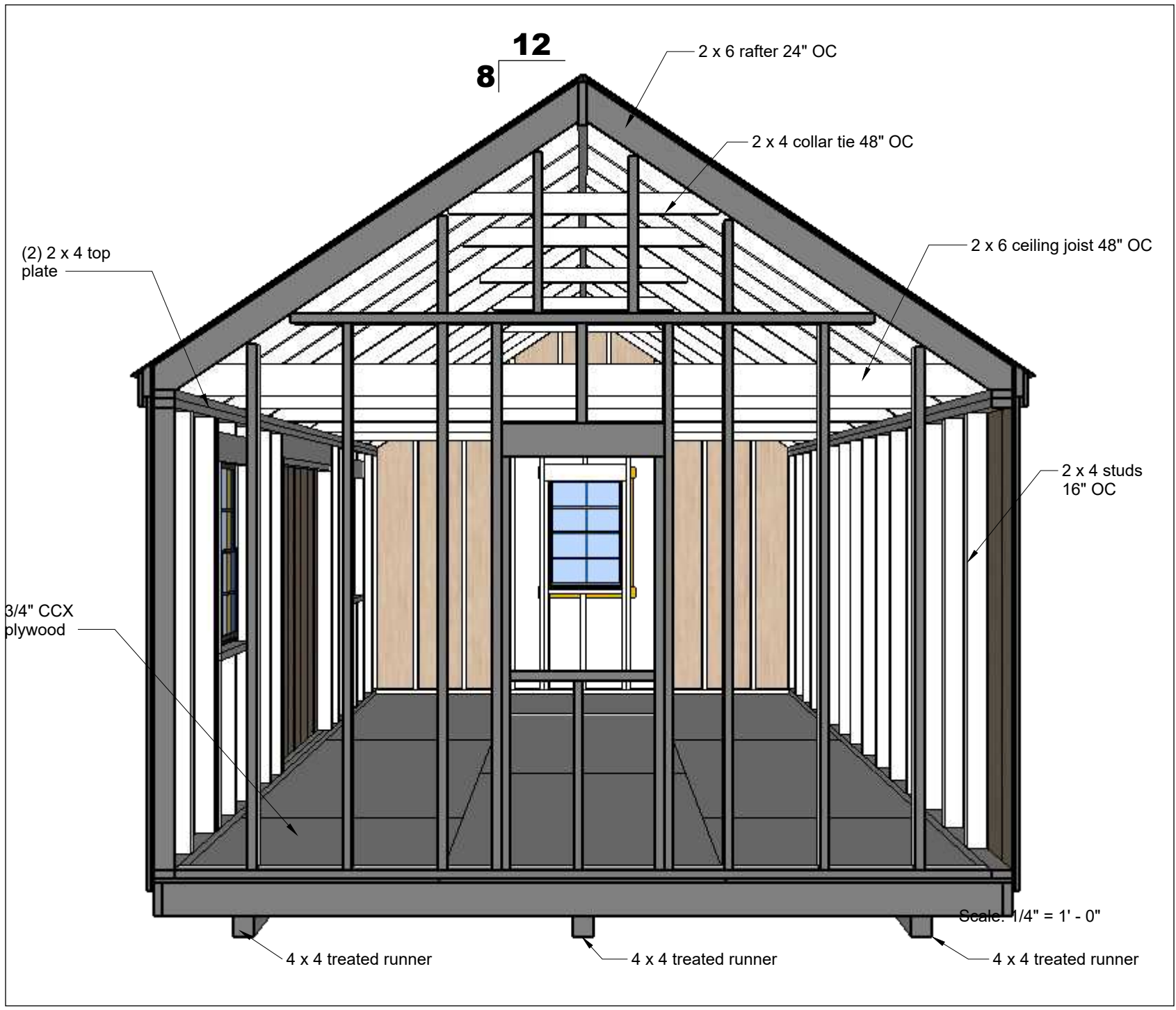
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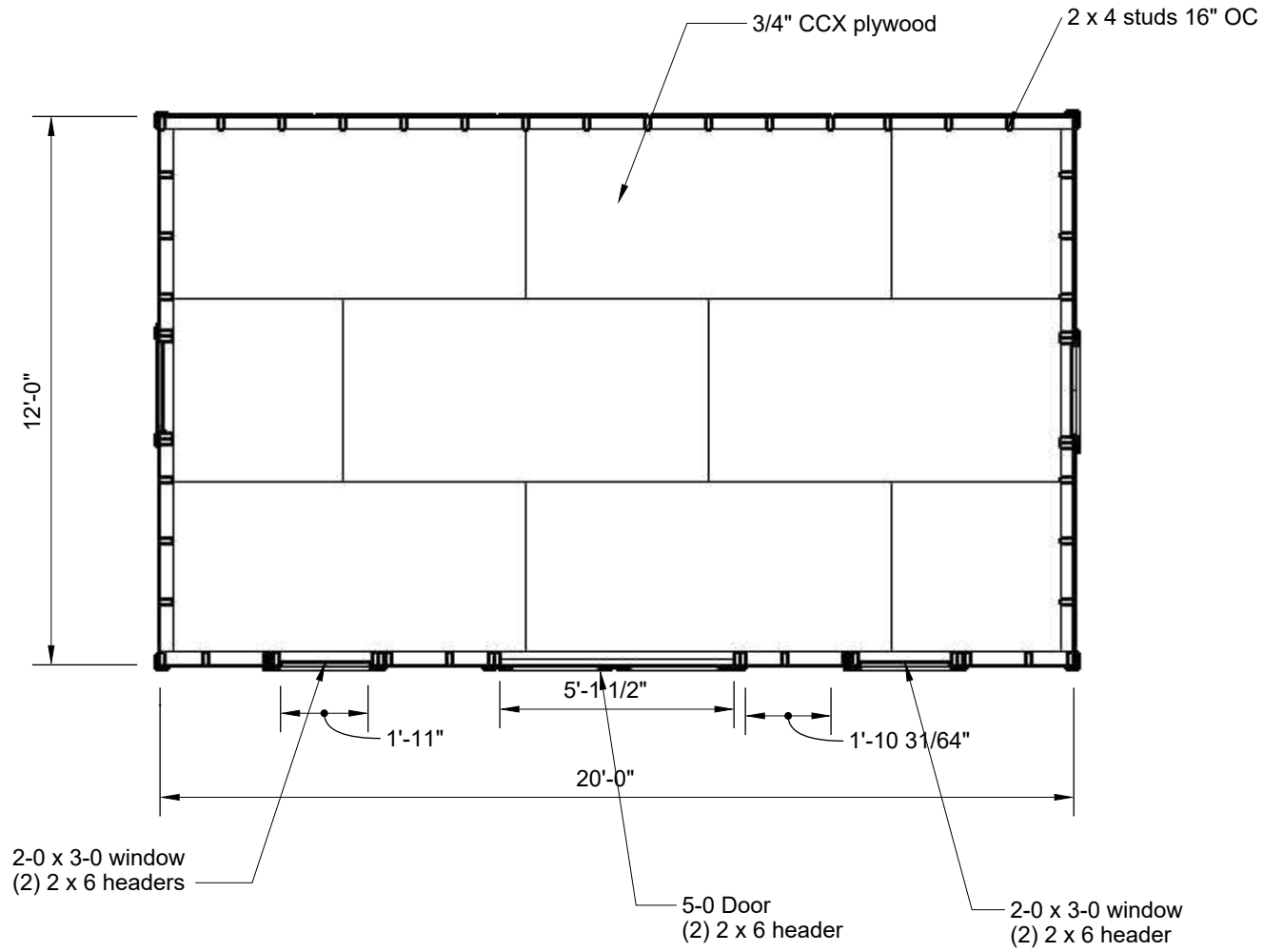
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**Structure
Detail**

A.07





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Floor Plan

Carolina Yard Barns, Inc.

823A Purser Drive

Raleigh, NC 27603

919-365-5555

Pier Spacing and Cantilever Joist Design Chart:

12' Wide Prefabricated Storage Shed

	Allowable Block Spacing Center to Center		Allowable End Cantilever of Floor Joist Size and Spacing			
	4X4 Runner	4x6 Runner		2x4 – 12"oc	2x6 – 12"oc	2x6-16"oc
Interior	7'	9'				
Exterior 1 story	5'	7'		15"	24"	24"
Exterior 2 story	n/a	5'		3"	15"	12"

16' Wide Prefabricated Storage Shed

	Allowable Block Spacing Center to Center		Allowable End Cantilever of Floor Joist Size and Spacing			
	4 X4 Runner	4 x 6 Runner		2x4 – 12"oc	2x6 – 12"oc	2x6-16"oc
Interior	6.67'	7.33'				
Exterior 1 story	5.33'	6.33'		12"	16"	16"
Exterior 2 story	n/a	4.33'		3"	12"	5"

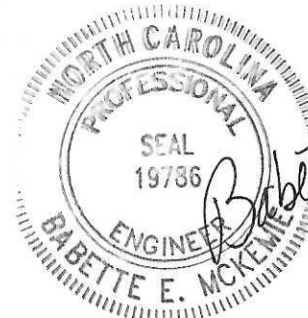
Maximum Height of Dry-stacked CMU Piers is Four Times the Least Horizontal Dimensions, not to exceed 48".

Construction: 2x6 Roof framing, 8' Max Height per story, 2x4 walls, (4) 2x treated Runners, 8x16 CMU Piers, Min. PSF Soil Bearing Capacity and Uplift Anchors per Code.

Design in Accordance with the NC State Residential Building Code 2018 Edition.

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Babette E. McKemie, P.E.
5104 Indigo Moon Way
Raleigh, N.C. 27613
(919) 623-5535



Babette McKemie
1/1/24