

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

CLIENT
Lisa Robinson
425 Kingsbrook Circle
Fuquay Varina, NC

PROJECT
16 x 20
(320sqft)
PROJECT NO.
24770

ISSUE
05/02/2025

DRAWN BY
Rob Powell

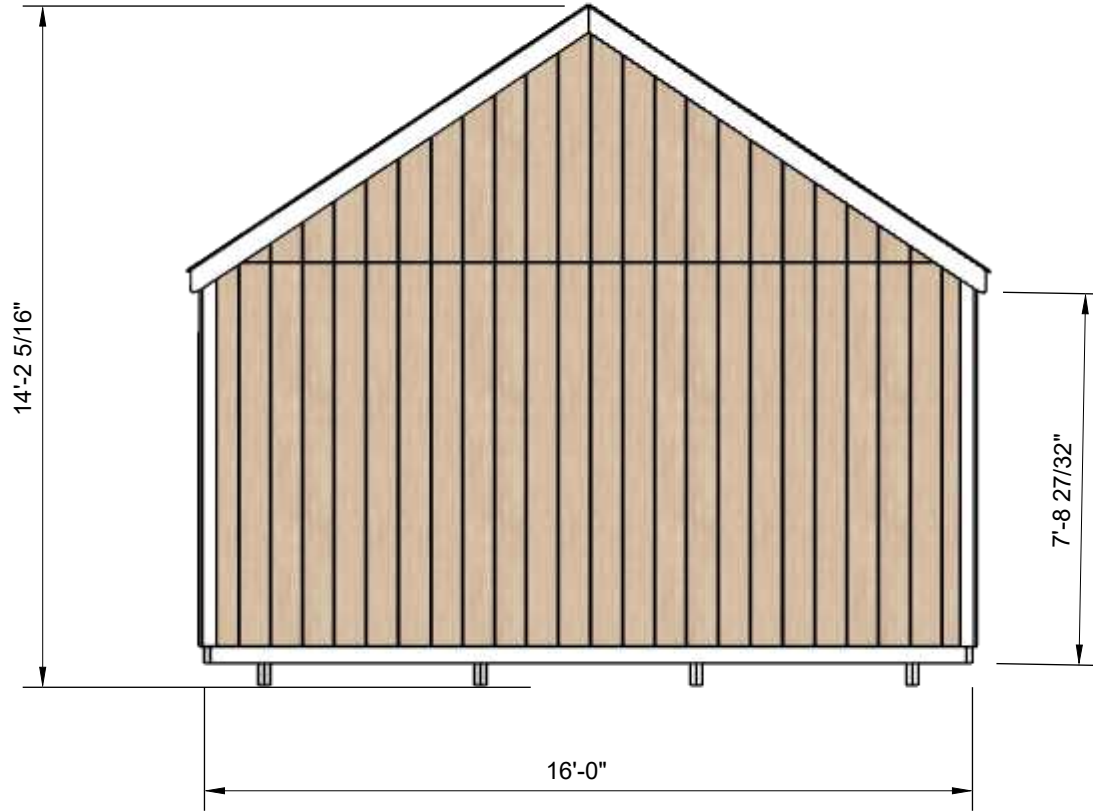
**Front
Elevation**

A.01



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

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



**Shed will be anchored at all 4 corners
with mobile home anchors and strap**

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



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

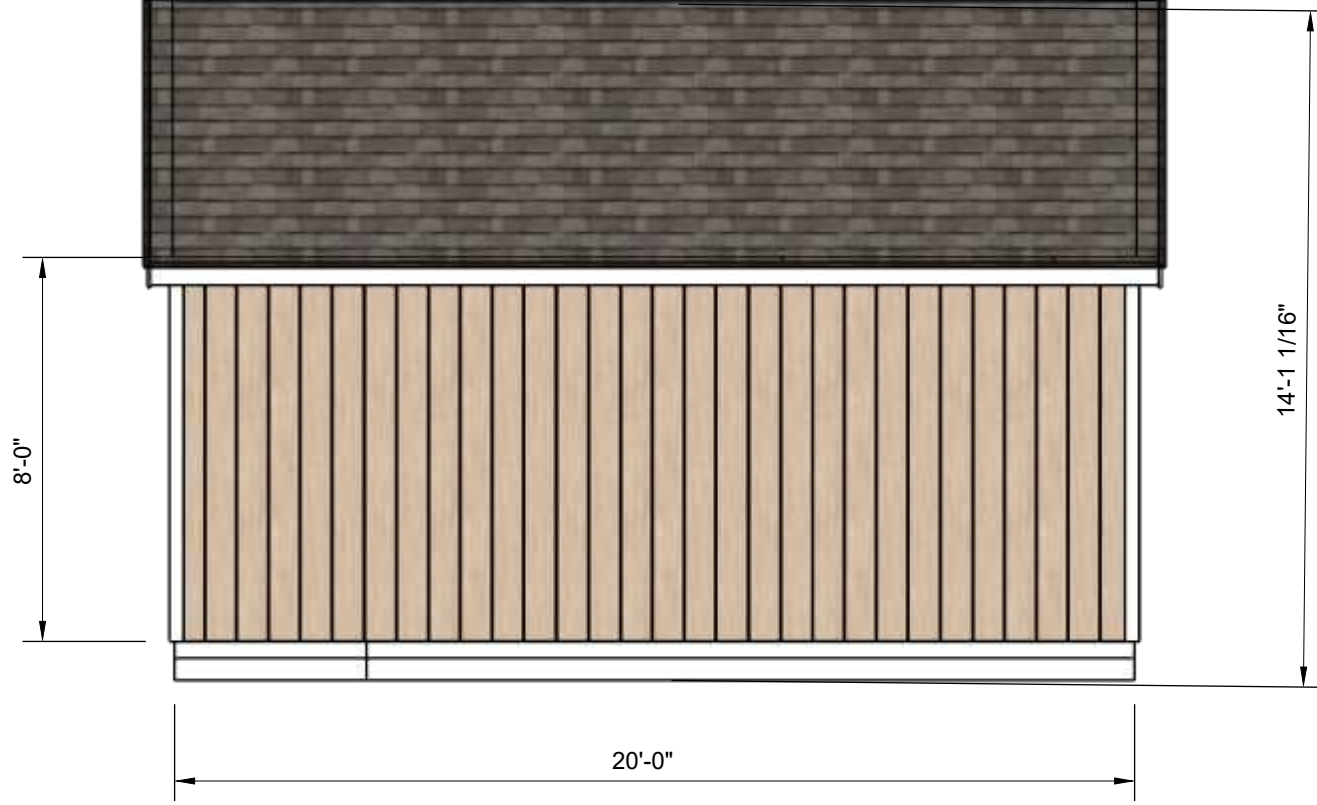
CLIENT
Lisa Robinson
425 Kingsbrook Circle
Fuquay Varina, NC

PROJECT
16 x 20
(320sqft)
PROJECT NO.
24770

ISSUE
05/02/2025
DRAWN BY
Rob Powell

**Right
Elevation**

A.02



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

A.03

Rear Elevation

ISSUE
05/02/2025

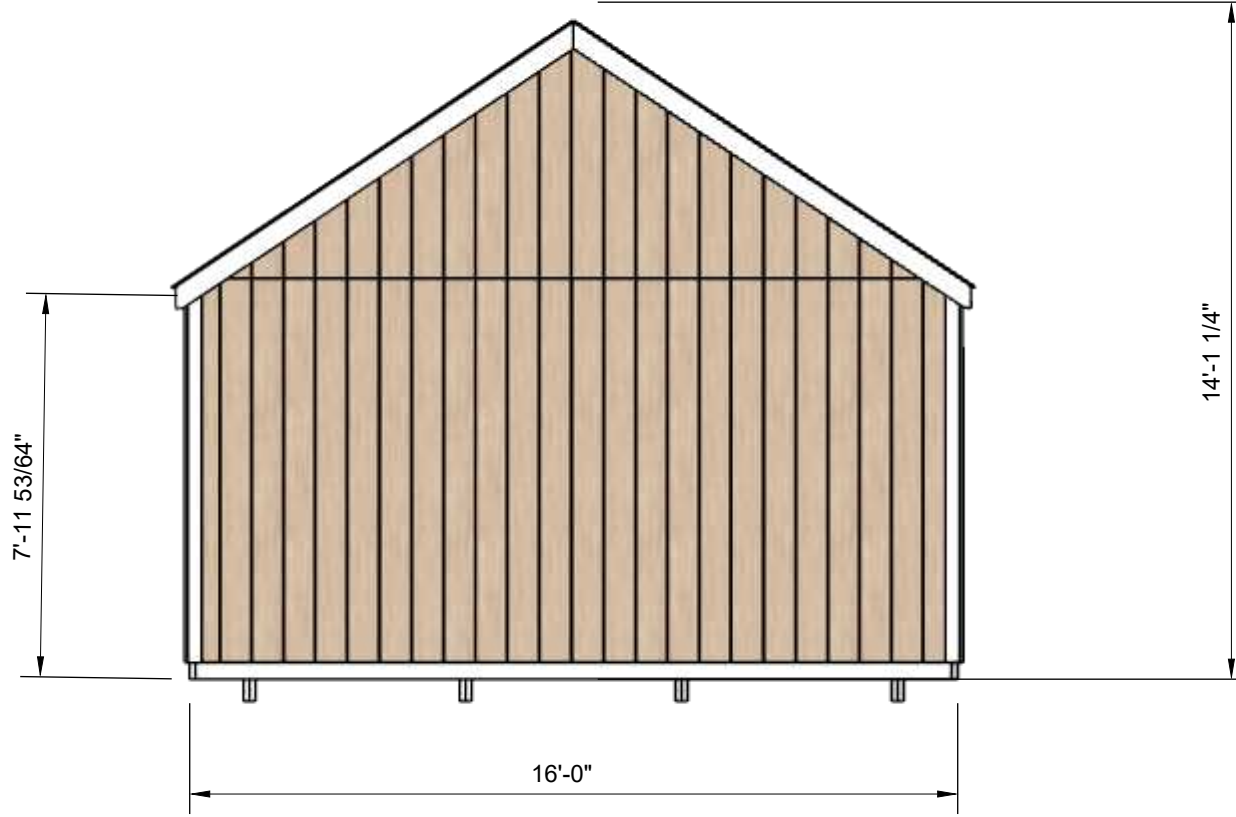
DRAWN BY
Rob Powell

PROJECT
16 x 20
(320sqft)

PROJECT NO.
24770

CLIENT
Lisa Robinson
425 Kingsbrook Circle
Fuquay Varina, NC

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



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

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

CLIENT
Lisa Robinson
425 Kingsbrook Circle
Fuquay Varina, NC

PROJECT
16 x 20
(320sqft)
PROJECT NO.
24770

ISSUE
05/02/2025

DRAWN BY
Rob Powell

**Left
Elevation**

A.04

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

CLIENT
Lisa Robinson
425 Kingsbrook Circle
Fuquay Varina, NC

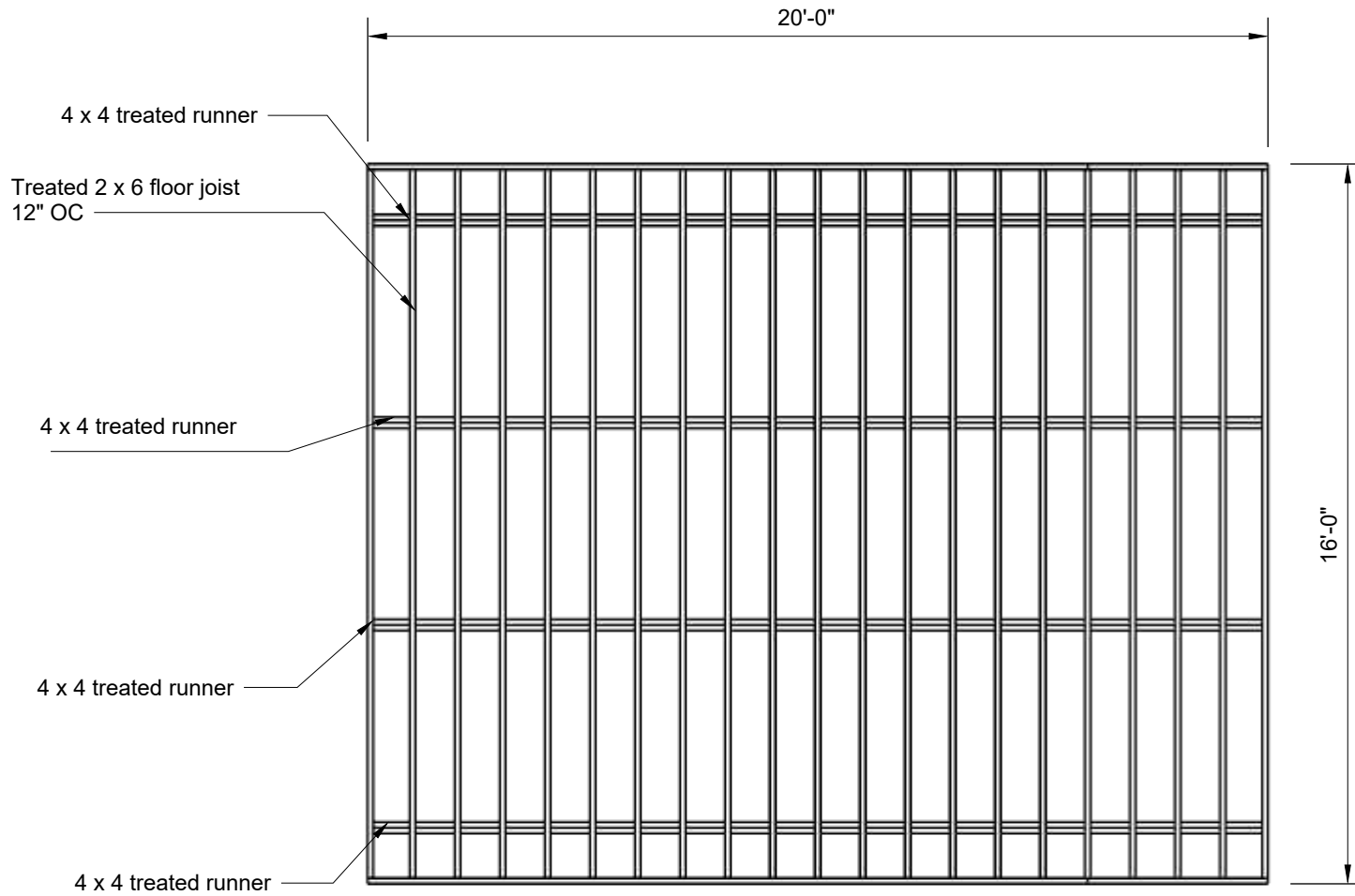
PROJECT
16 x 20
(320sqft)
PROJECT NO.
24770

ISSUE
05/02/2025

DRAWN BY
Rob Powell

**Floor
Framing
Section view**

A.05



Shed will be anchored at all 4 corners with mobile home anchors and strap

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

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

CLIENT
Lisa Robinson
425 Kingsbrook Circle
Fuquay Varina, NC

PROJECT
16 x 20
(320sqft)
PROJECT NO.
24770

ISSUE
05/02/2025
DRAWN BY
Rob Powell

Roof Framing Section view

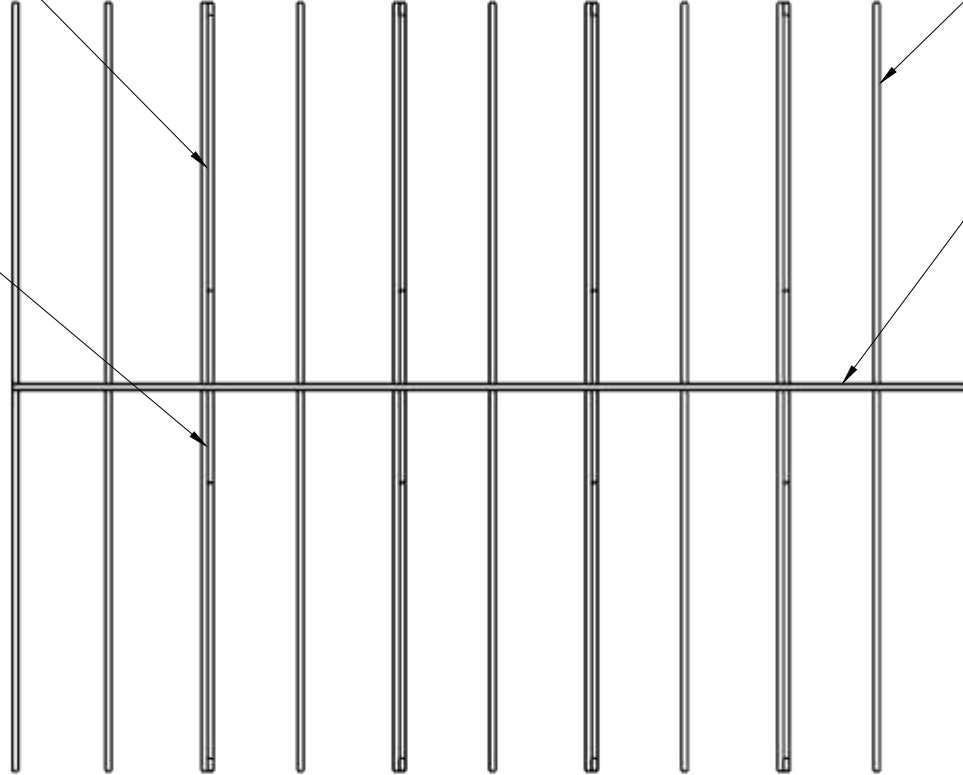
A.06

2 x 6 ceiling joist
48" OC

2 x 4 collar tie
48" OC

2 x 6 rafters 24" OC

2 x 8 Ridge



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

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

CLIENT
Lisa Robinson
425 Kingsbrook Circle
Fuquay Varina, NC

PROJECT
16 x 20
(320sqft)

PROJECT NO.
24770

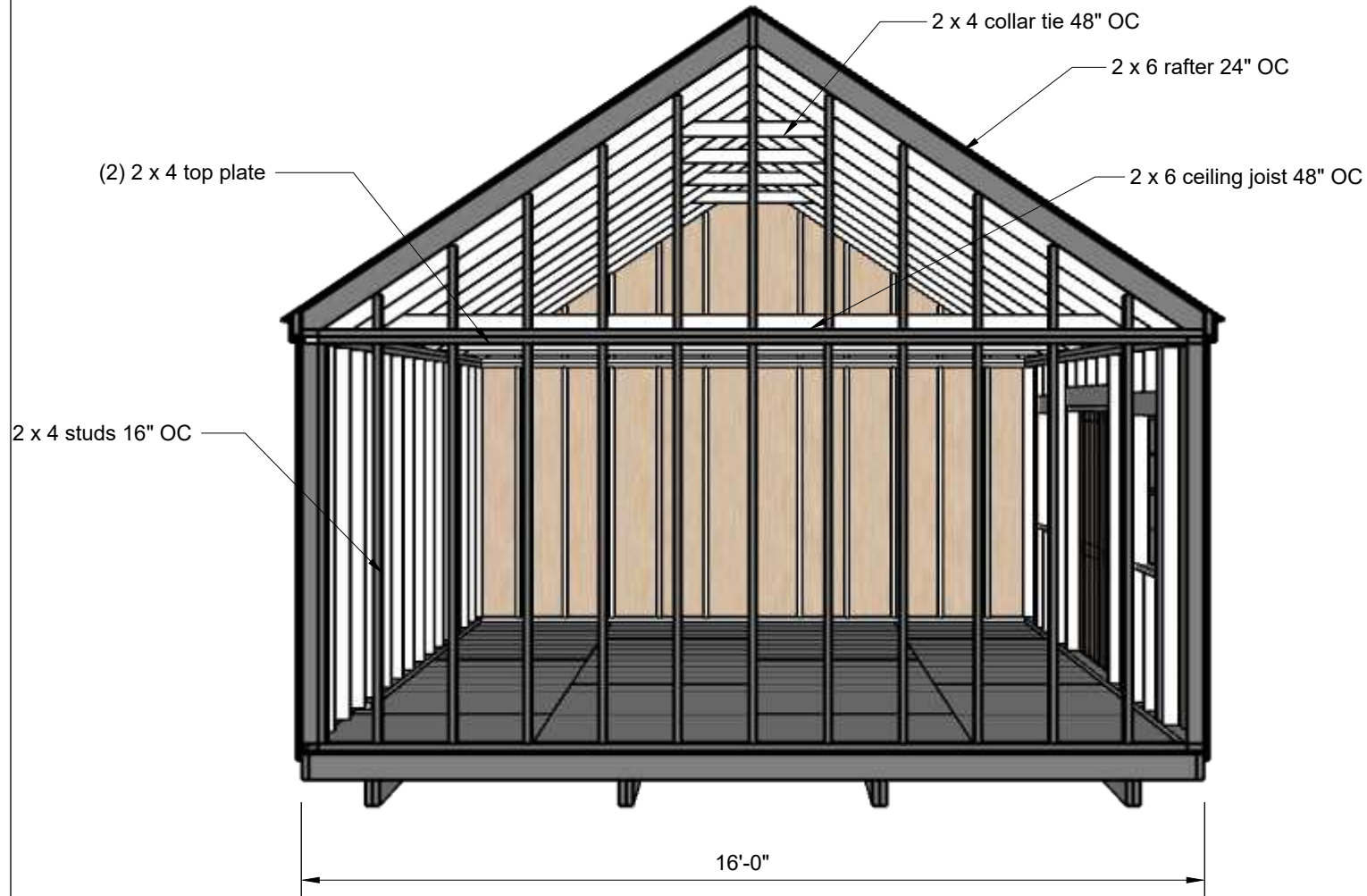
ISSUE
05/02/2025

DRAWN BY
Rob Powell

**Structure
Detail**

A.07

**8/12 roof
pitch**



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

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

CLIENT
Lisa Robinson
425 Kingsbrook Circle
Fuquay Varina, NC

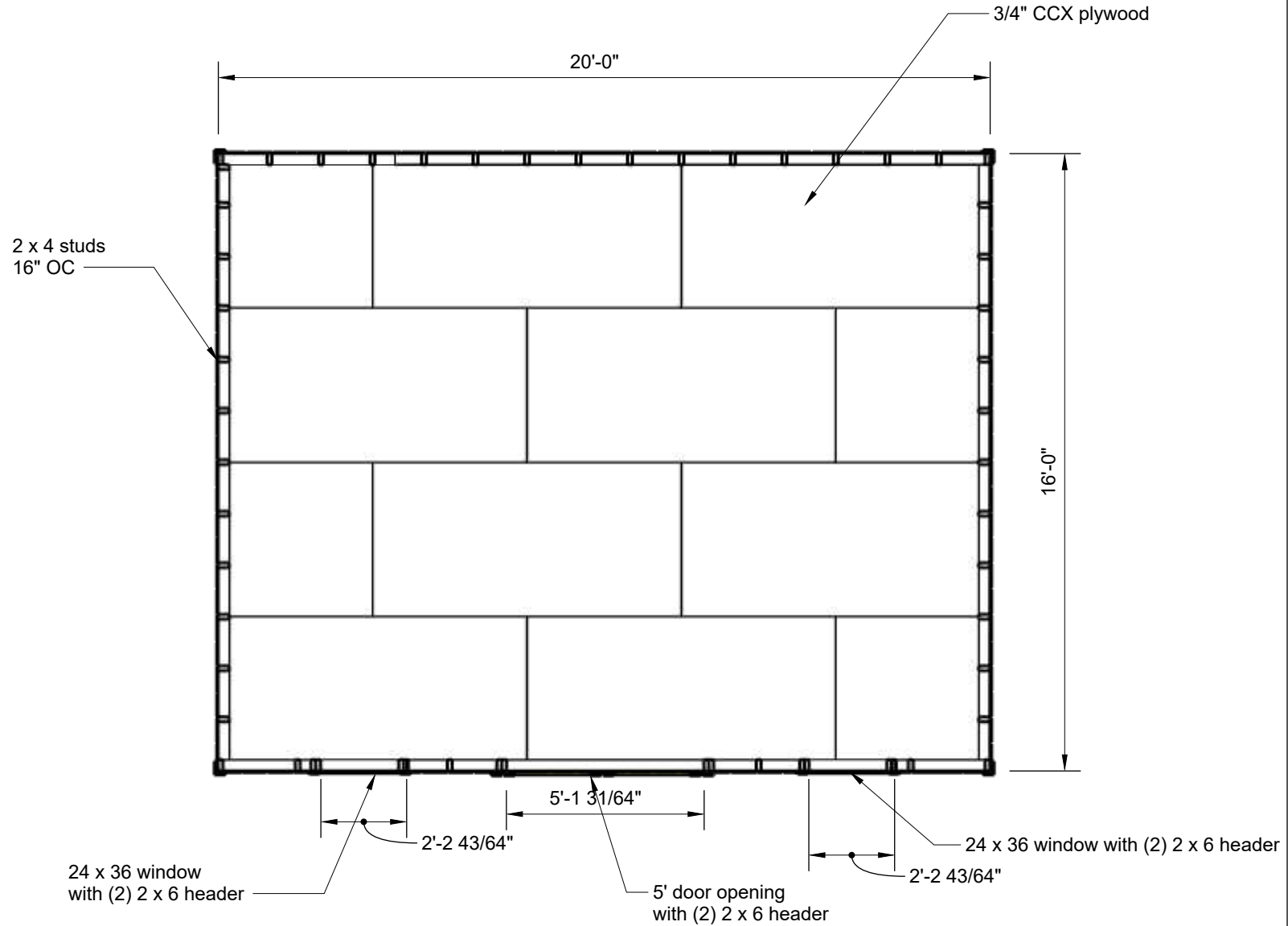
PROJECT
16 x 20
(320sqft)
PROJECT NO.
24770

ISSUE
05/02/2025

DRAWN BY
Rob Powell

Floor Plan

A.08



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.

Table for the exclusive use by **Carolina Yard Barns, Inc.** and may not be used by any other party for any purpose.

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

