



GREG ROBINSON, P.E.
CONSULTING ENGINEER

6512 Six Forks Road, Suite 403A
Raleigh, North Carolina 27615
(919) 846-4752 (919) 847-0455 fax
greg@gar-pe.com

THE **Shed
Depot**
OF NORTH CAROLINA

1732 Westover Drive
Sanford, North Carolina 27330
919 . 776 . 0206
info@sheddepot.com



GENERAL NOTES AND OUTLINE SPECIFICATIONS

01000 GENERAL

- Design Live Loads
Floor 40 psf
Roof 20 psf
- Ground Snow Loads (2018 NC Building Code, 2015 IBC, ASCE 7-10)
Ground Snow Load: 15 psf
- Wind loads (2018 NC Building Code, 2015 IBC, ASCE 7-10)
Basic Wind Velocity: 120 mph (ultimate); Exposure: C; Category III
- Lateral design controlled by Wind Loads.

02000 FOUNDATION

- Design soil bearing capacity: 2,000 psf (presumed).

06090 PRE-ENGINEERED WOOD CONNECTORS

- Connectors shall be hot-dipped galvanized or electro-plated galvanized with a minimum coating of G90.
- Nails shall be "common" unless otherwise noted in the drawings.

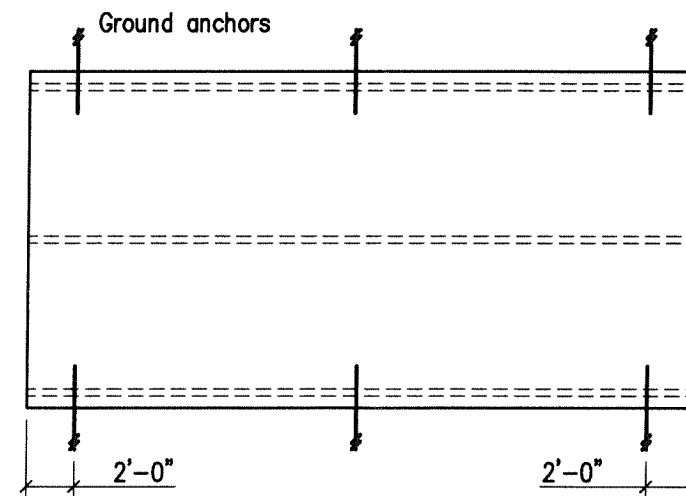
06110 WOOD FRAMING

- Unless noted otherwise: kiln-dried, S-P-F, #2 grade, surfaced dry, 15 percent maximum moisture content.
Floor joists: preservative-treated, kiln-dried, Southern Pine, #2 grade, surfaced dry, 15 percent maximum moisture content.
Mud sills: preservative treated, kiln-dried, Southern Pine, #2 grade, surfaced dry, 19 percent maximum moisture content.
- Nail sizes: Pennyweight Length Diameter
(inches) (inches)
8d 2.5 0.131
10d 3 0.148
12d 3.25 0.148

06120 STRUCTURAL WOOD PANELS

- Sheathing shall conform to the grading rules of U.S. Product Standard PS 1, latest edition, and shall have appropriate grade trade mark of an American Plywood Association approved agency on each plywood panel. Sheathing shall be APA rated sheathing in thicknesses and span ratings shown drawings. Sheathing shall be applied in full sheets or in largest pieces practical for the area being covered.
- Particleboard sheathing: ANSI A208.1 APA Oriented Strand Board; wood flakes set with waterproof resin binder; unsanded faces.
- Secure roof sheathing perpendicular to framing members with ends staggered and sheet ends over firm bearing.
- Secure wall sheathing with long dimension parallel to wall studs, with ends over firm bearing and staggered.
- Install sheathing two span continuous minimum.

12'-0" x 30'-0" to 36'-0"
A-Frame Shed



Ground Anchors

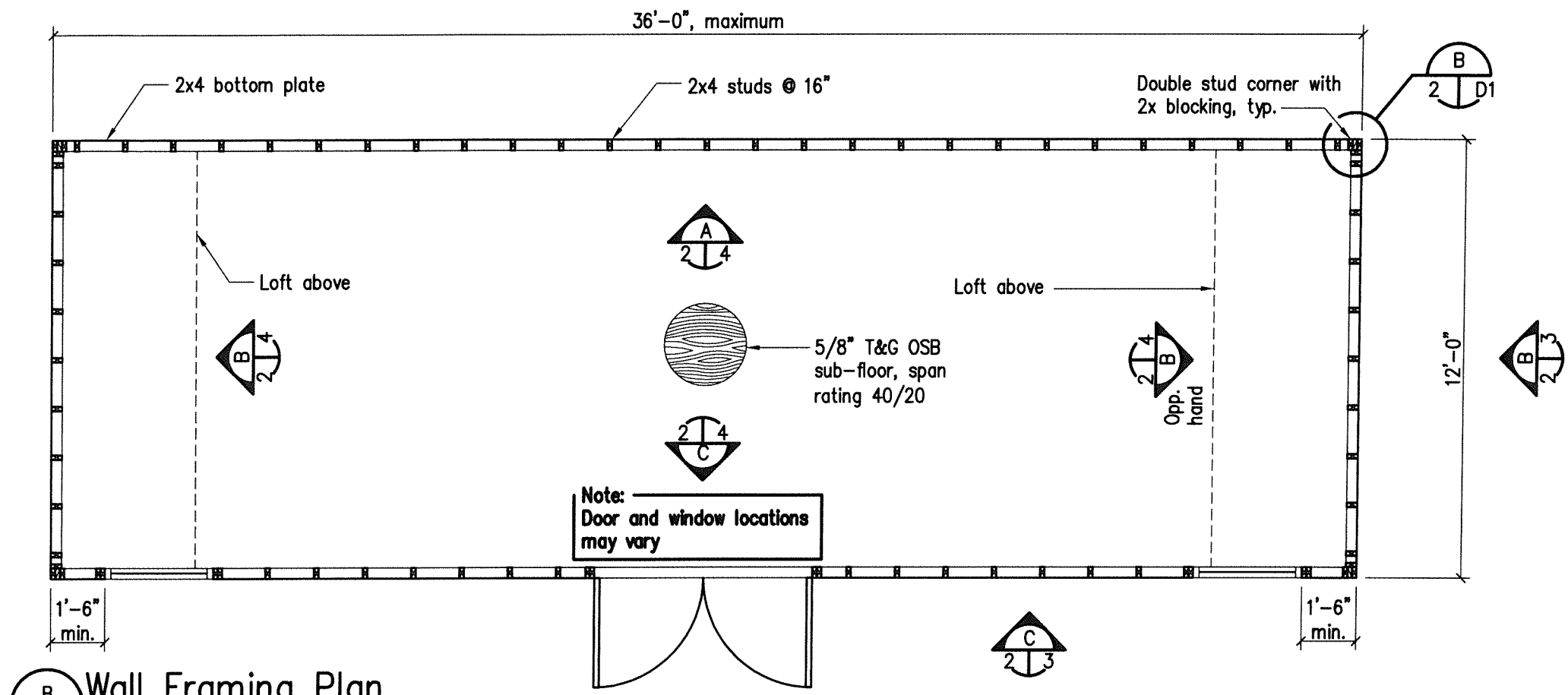
(Ground_Anchors) Scale: 1/8"=1'-0"

Ground Anchor Schedule (ANCHOR SCHED)		
Building Length	Number of Ground Anchors Each Long Side	
30 ft - 36 ft	3	
12 ft - 28 ft	2	
Notes:		
1. Minimum uplift capacity of each anchor: 2,300 pounds		
2. Install ground anchors and strapping in accordance with manufacturer's instructions		

DRAWING INDEX:

- C1 Cover Sheet and General Notes
- 2 Floor and Wall Framing Plans
- 3 Roof Framing Plans and Exterior Elevations
- 4 Wall Framing Elevations and Wall Section
- D1 Details
- D2 Details

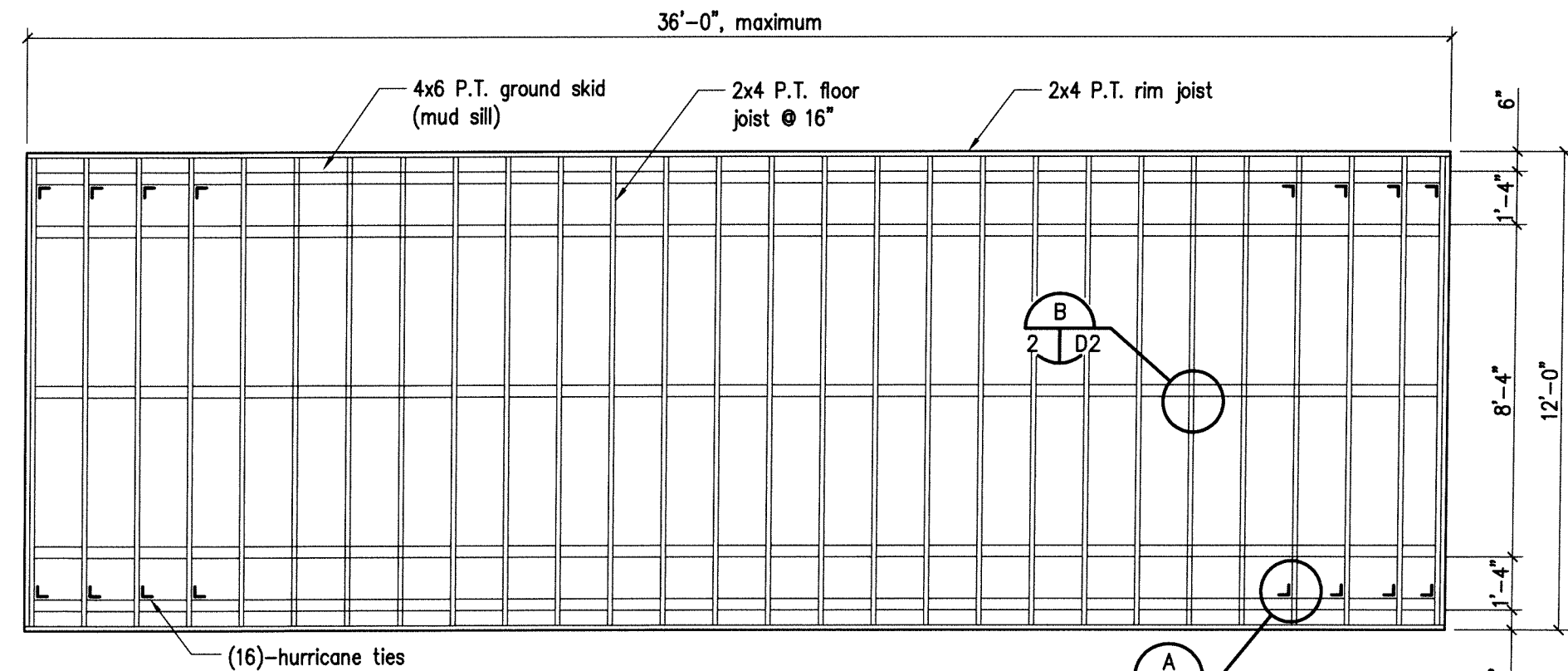
GARPE Project #19009
Date: 05JUN19



Wall Framing Plan

(Wall_Framing_Pln)

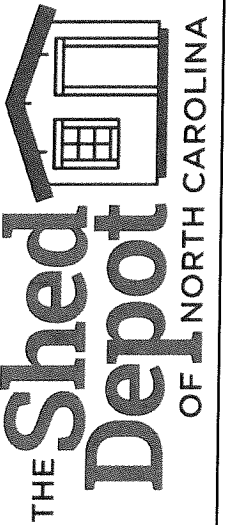
Scale: 1/4"=1'-0"



Floor Framing Plan

(Flr_Framing_Pln)

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



GREG ROBINSON, P.E.
CONSULTING ENGINEER

6512 Six Forks Road, Suite 403A
Raleigh, North Carolina 27615
(919) 846-4752 (919) 847-0455 fax
greg@gar-pe.com

12' x 30' to 36' x 9' Storage Shed

GARPE Job # 19009

Drawn GAR

Checked GAR

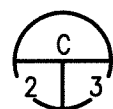
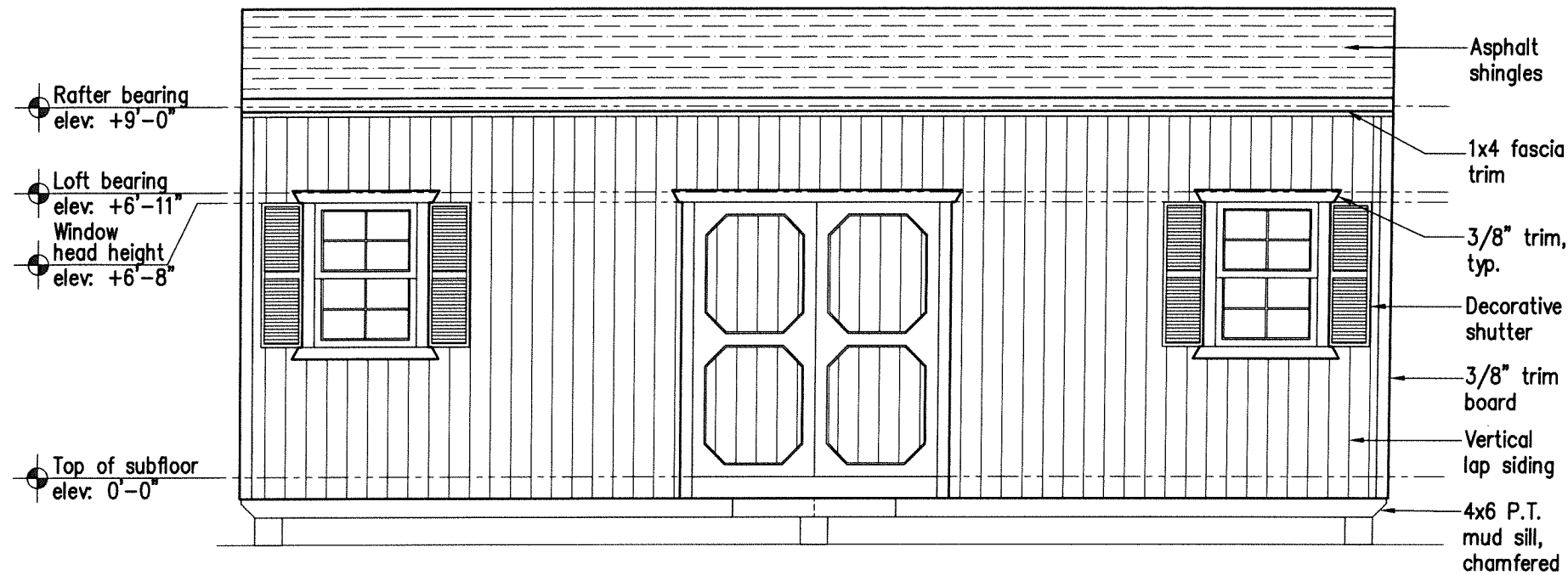
Date 05JUN19

Rev

Rev

2

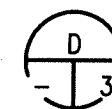
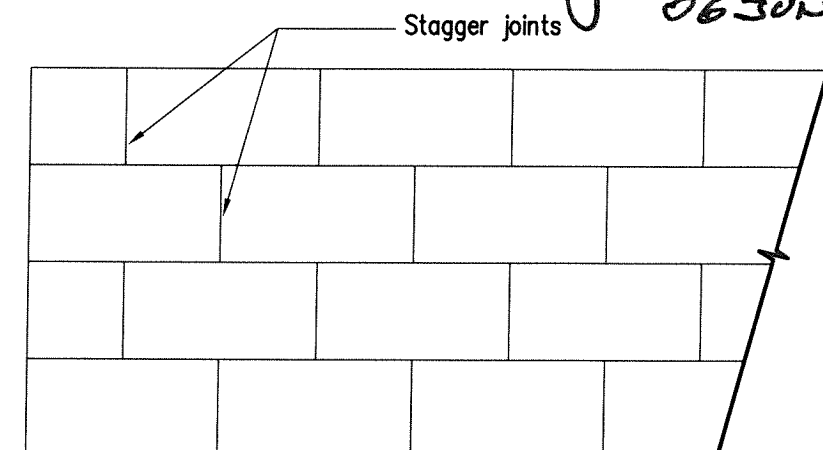
2 of 6



Exterior Elevation

(Ext_Elev_1)

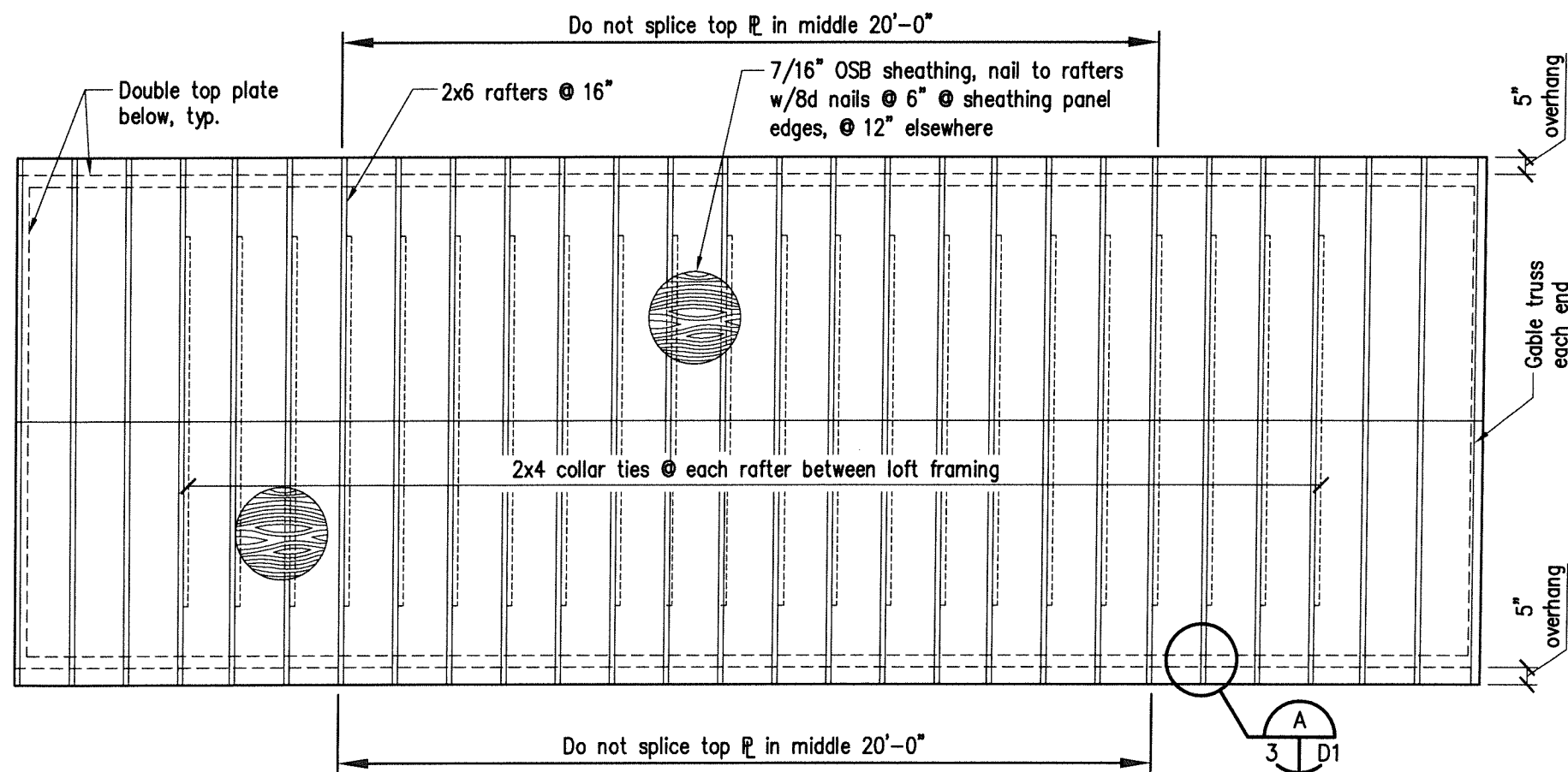
Scale: 1/4"=1'-0"



Roof Sheathing Joint Pattern

(Sheathing_Joint_Pattern)

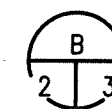
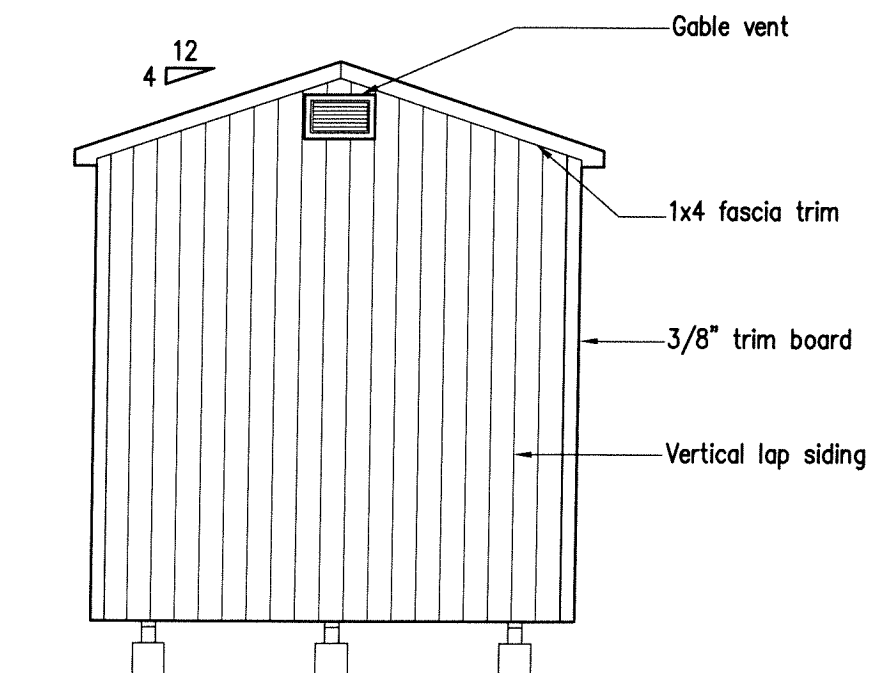
Scale: N.T.S.



Roof Framing Plan

(Roof_Framing_Plan)

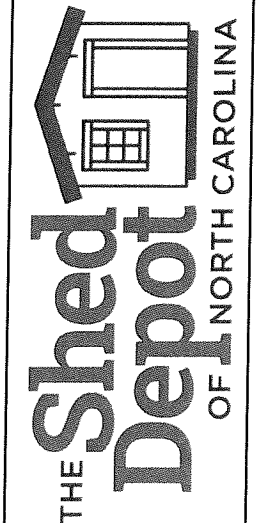
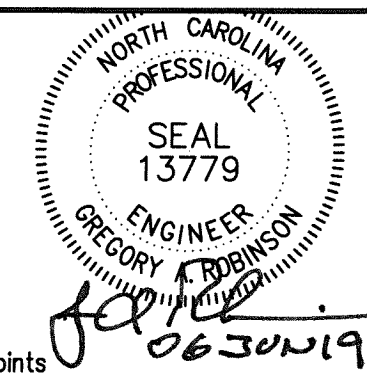
Scale: 1/4"=1'-0"



Exterior Elevation

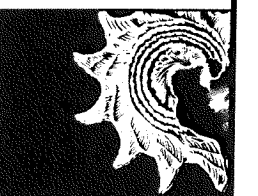
(Ext_Elev_2)

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



GREG ROBINSON, P.E.
CONSULTING ENGINEER

6512 Six Forks Road, Suite 403A
Raleigh, North Carolina 27615
(919) 846-4752 (919) 847-0455 fax
greg@gar-pe.com



12' x 30' to 36' x 9' Storage Shed

GARPE Job # 19009

Drawn GAR

Checked GAR

Date 05JUN19

Rev

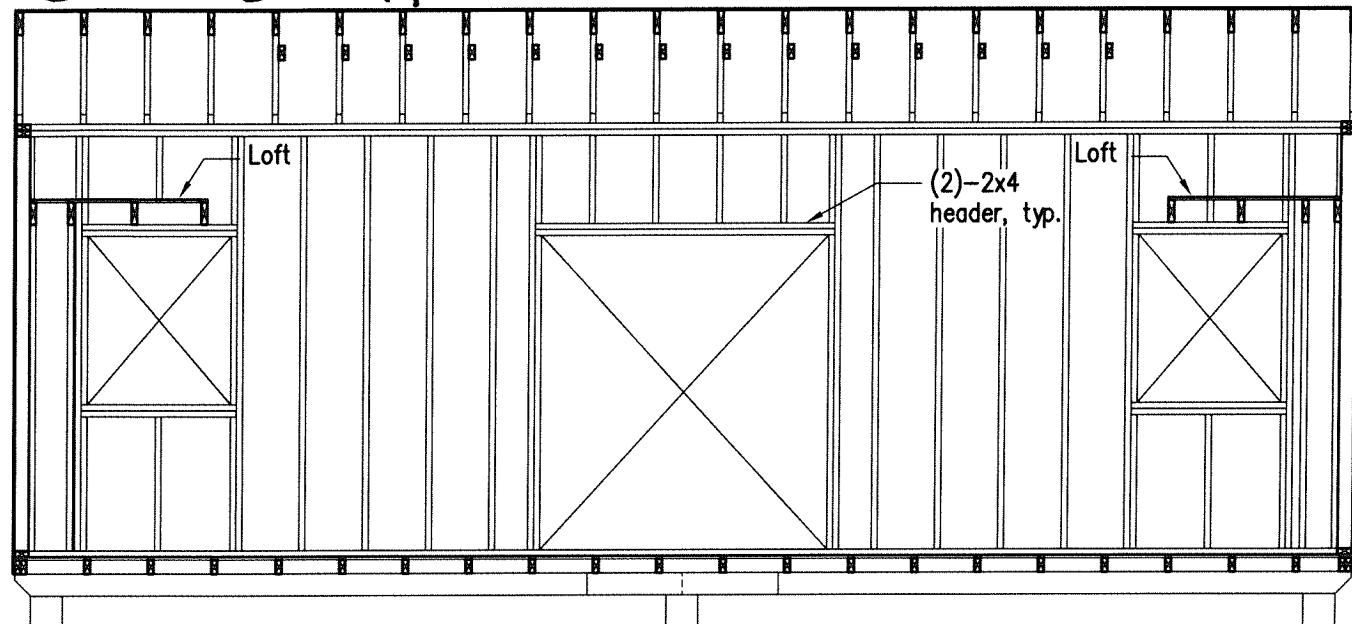
Rev

3

3 of 6

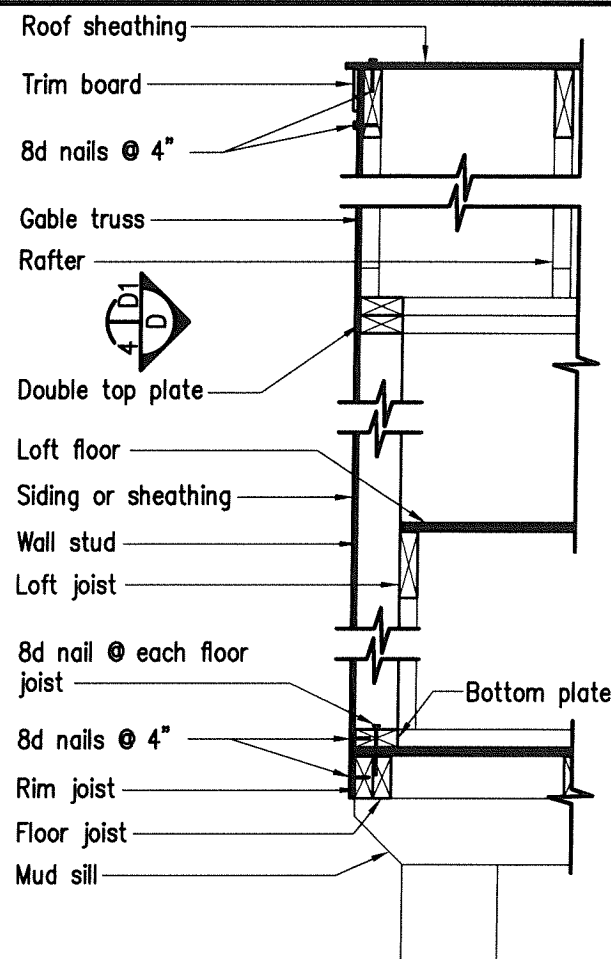


06 JUN 19



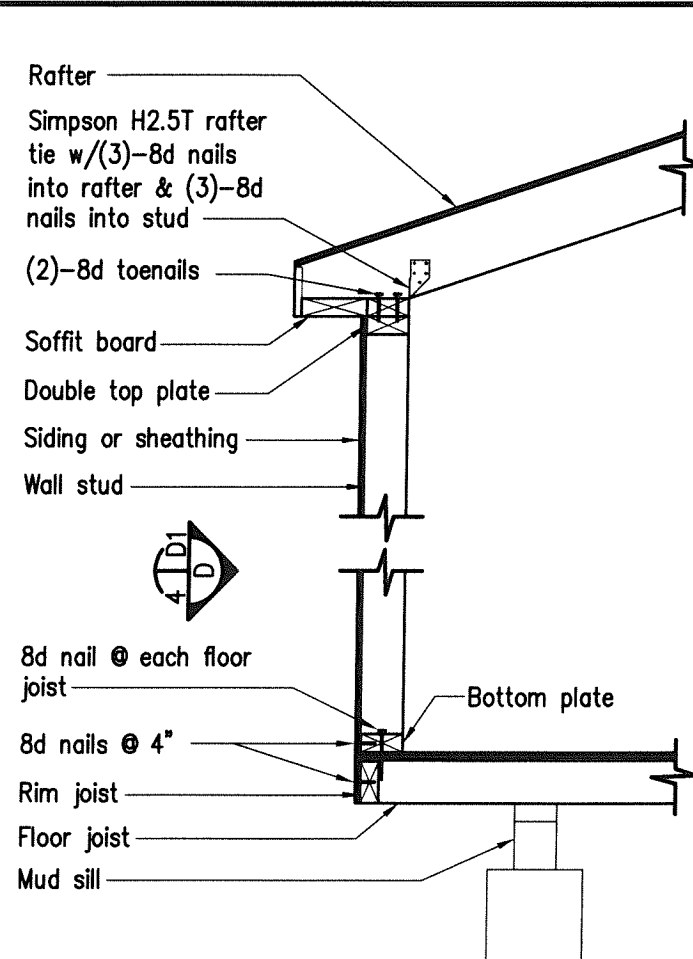
C Wall Framing Elevation

(Wall_Elev_3) Scale: 1/4"=1'-0"



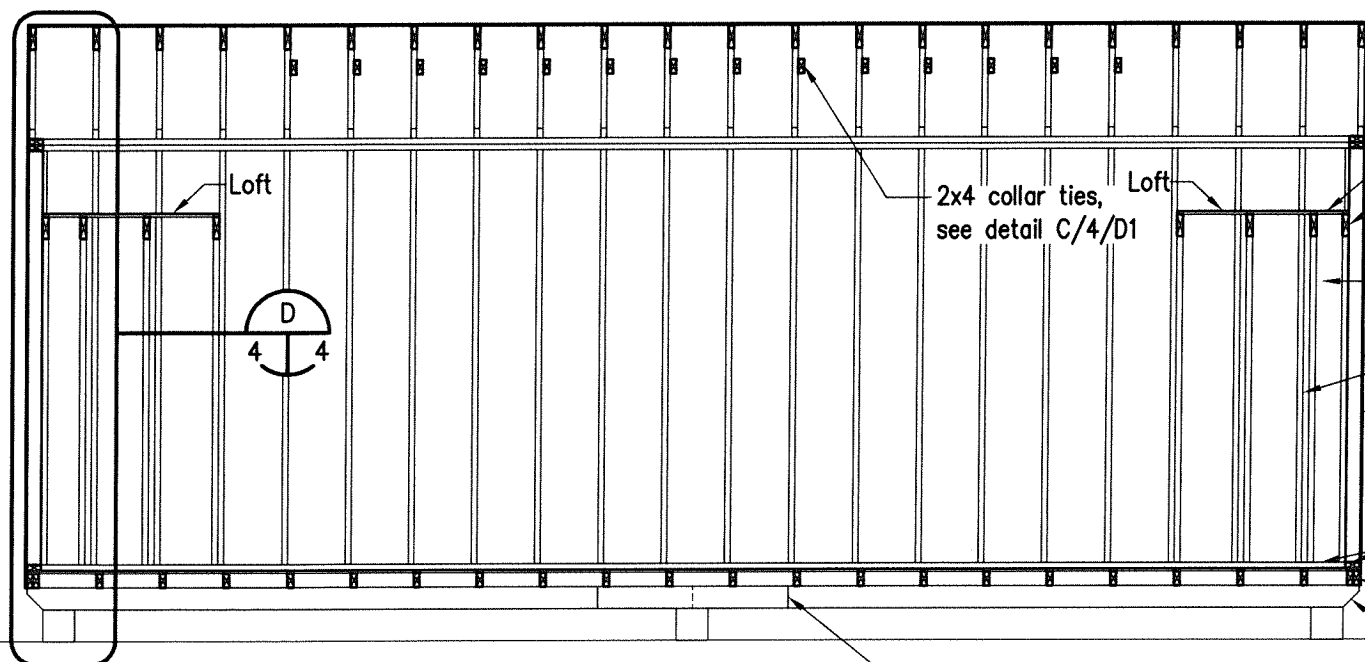
D Wall Section

(Wall_Section_Rake) Scale: 3/4"=1'-0"



E Wall Section

(Wall_Section) Scale: 3/4"=1'-0"

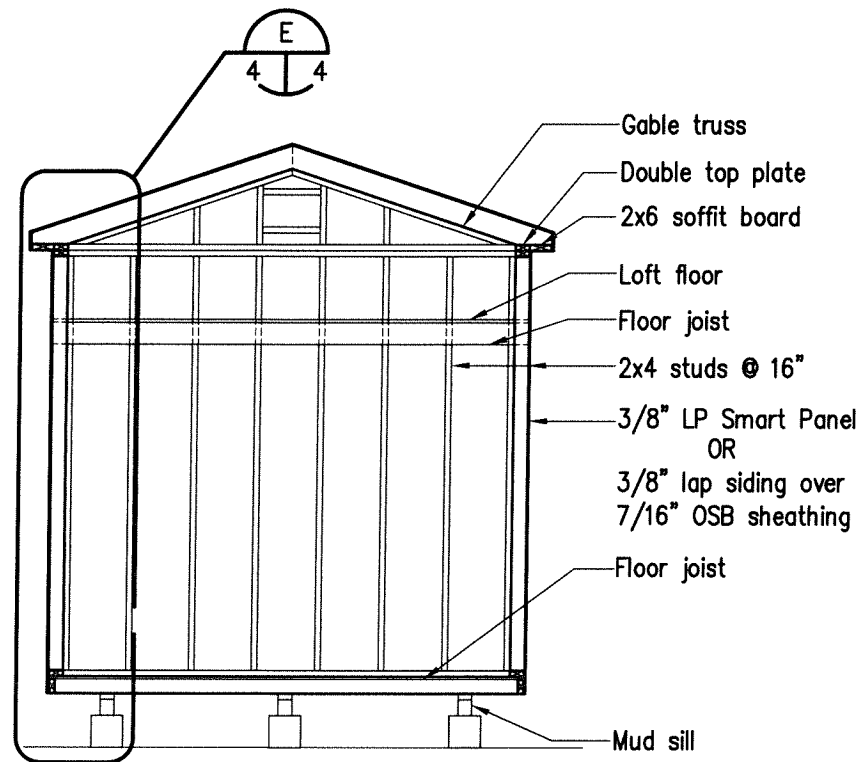


A Wall Framing Elevation

(Wall_Elev_1) Scale: 1/4"=1'-0"

- Gable truss each end
- Double top plate
- 7/16" T&G OSB subfloor
- 2x6 floor joist @ 16"
- 2x4 jack stud, typ. under floor joist
- 2x4 studs @ 16"
- 3/8" LP Smart Panel OR 3/8" lap siding over 7/16" OSB sheathing
- 2x4 bottom plate
- 2x4 P.T. rim joist
- 4x6 P.T. mud sill

See C/D2/D2 for mud sill splice detail



B Wall Framing Elevation

(Wall_Elev_2) Scale: 1/4"=1'-0"

GREG ROBINSON, P.E.
CONSULTING ENGINEER

6512 Six Forks Road, Suite 403A
Raleigh, North Carolina 27615
(919) 846-4752 (919) 847-0455 fax
greg@gar-pe.com

12' x 30' to 36' x 9' Storage Shed

GARPE Job # 19009

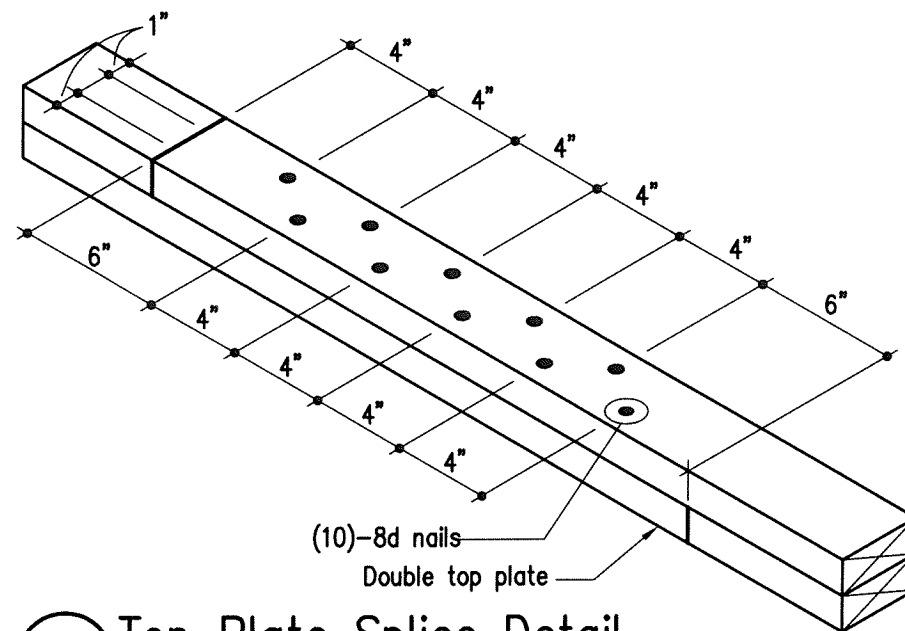
Drawn GAR

Checked GAR

Date 05JUN19

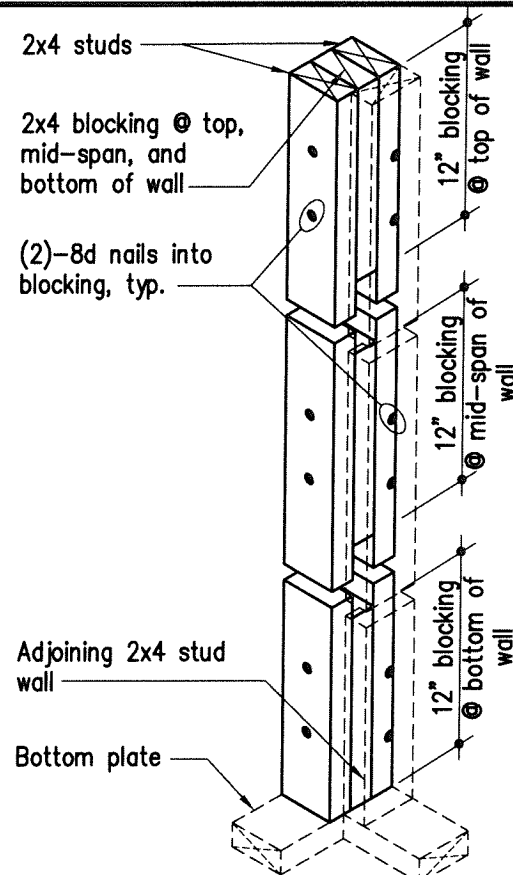
Rev

Rev



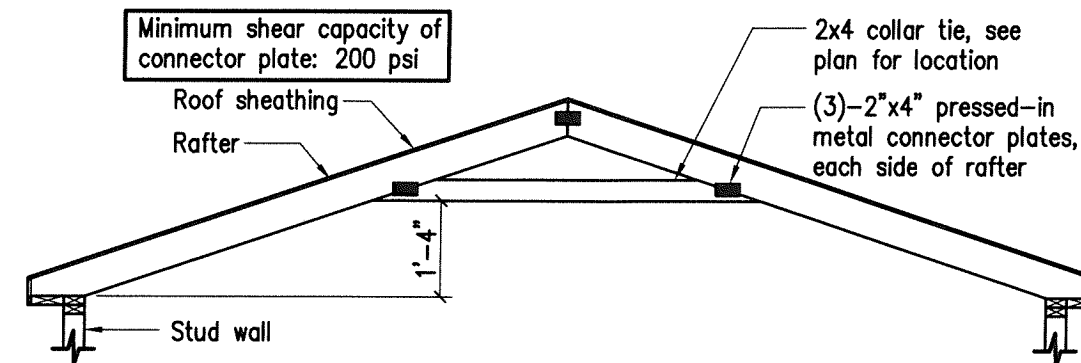
A Top Plate Splice Detail

(Top_Plate_Splice) Scale: 1 1/2"=1'-0"



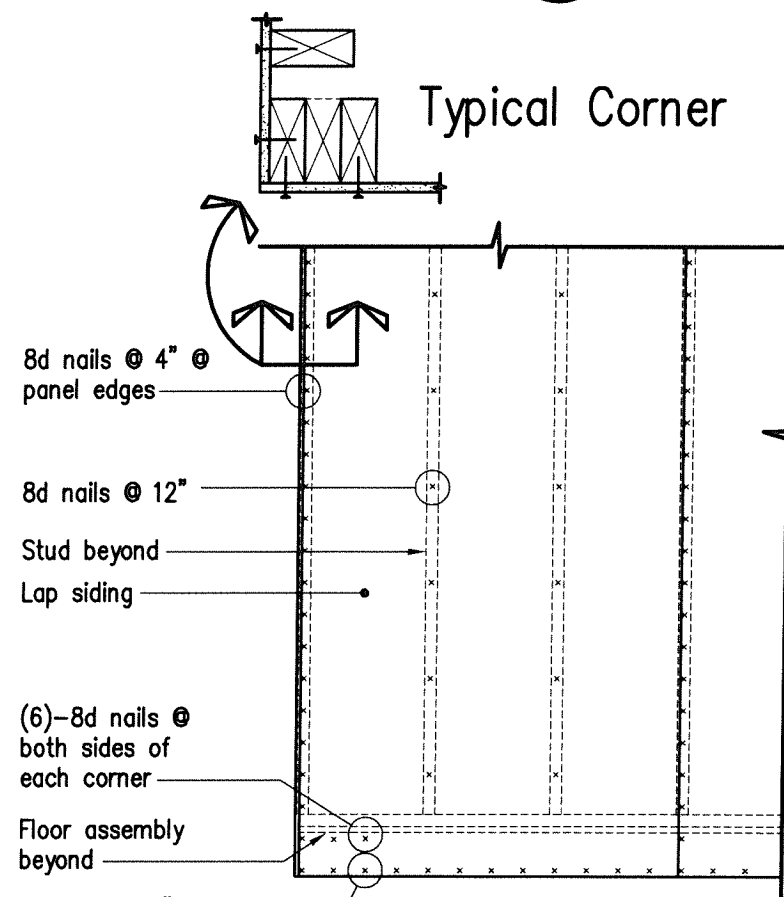
B Corner Framing Detail

(Corner_Detail) Scale: 1"=1'-0"



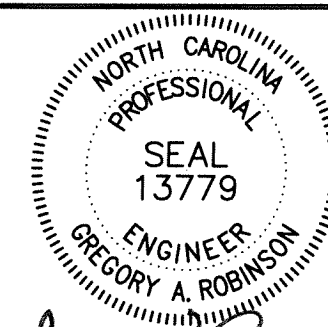
C Collar Tie Attachment Detail

(Collar_Tie) Scale: 3/8"=1'-0"



D Panel Nailing Patterns

(Nail_Pattern) Scale: 1/2"=1'-0"



Greg Robinson
06 JUN 19

THE Shed Depot
OF NORTH CAROLINA

GREG ROBINSON, P.E.
CONSULTING ENGINEER

6512 Six Forks Road, Suite 403A
Raleigh, North Carolina 27615
(919) 846-4752 (919) 847-0455 fax
greg@gar-pe.com

12' x 30' to 36' x 9' Storage Shed

GARPE Job # 19009

Drawn GAR

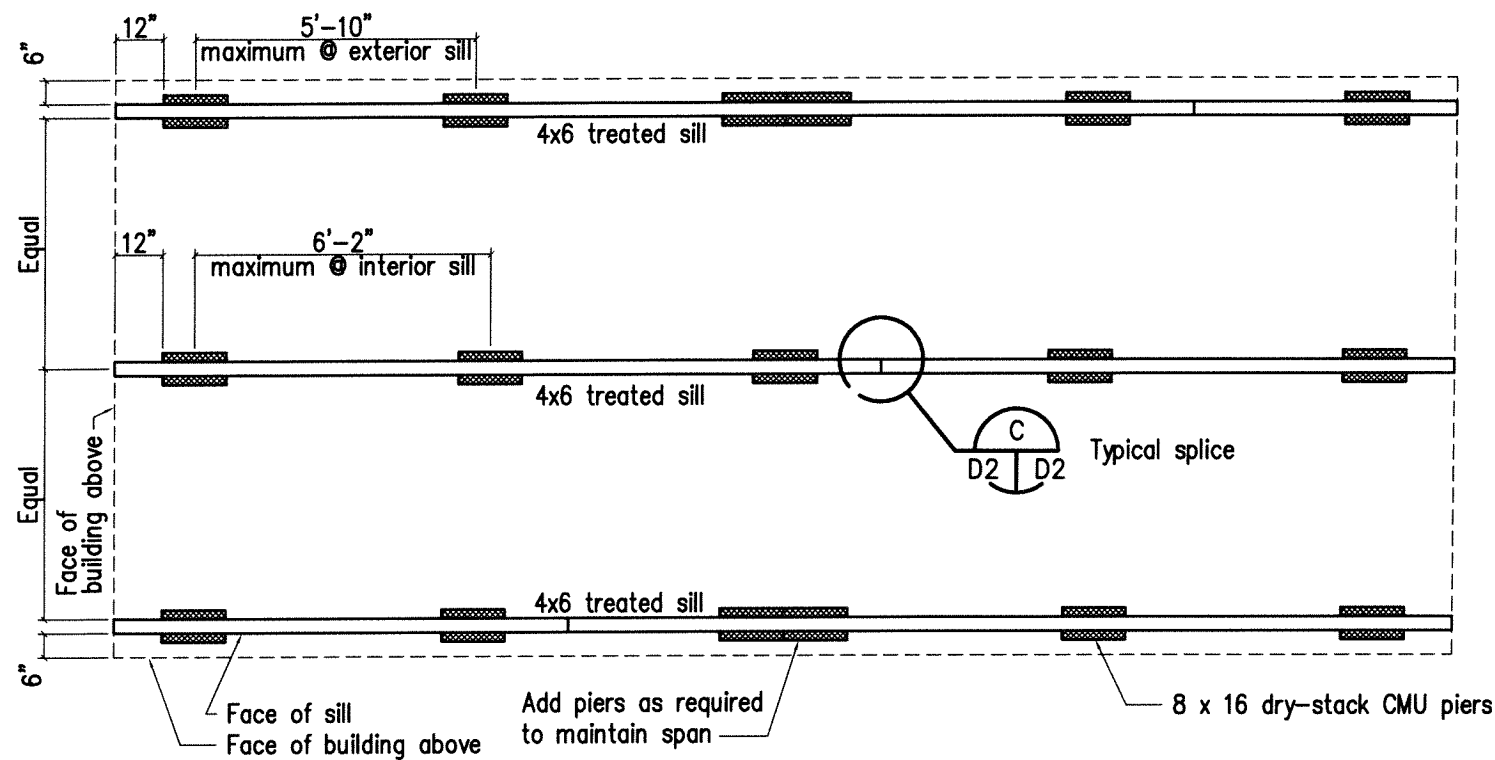
Checked GAR

Date 05JUN19

Rev

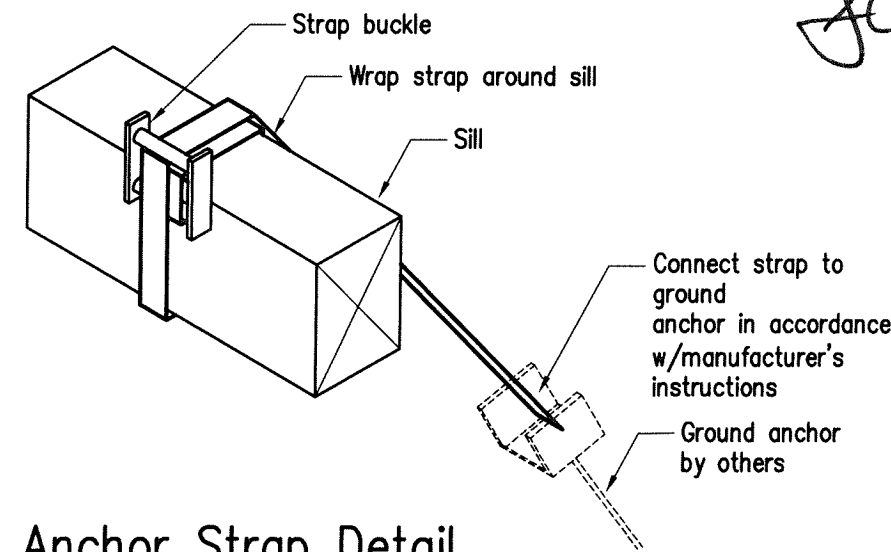
Rev

D1
5 of 6



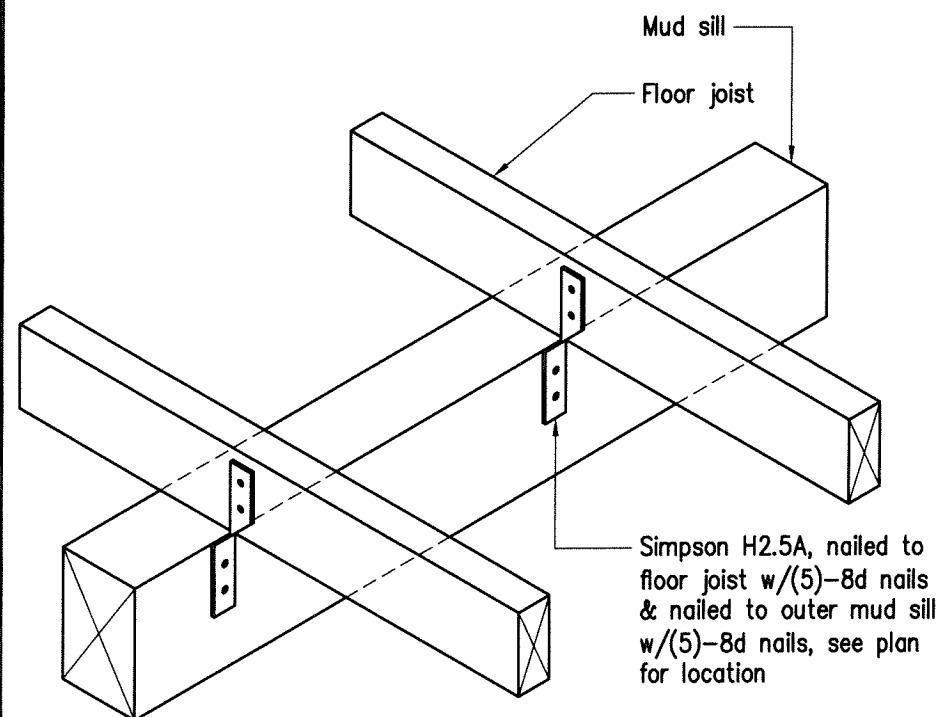
Floor Framing and Foundation Pier Plan, 12' x 36' (maximum)

(SILL) Scale: 1/4"=1'-0"



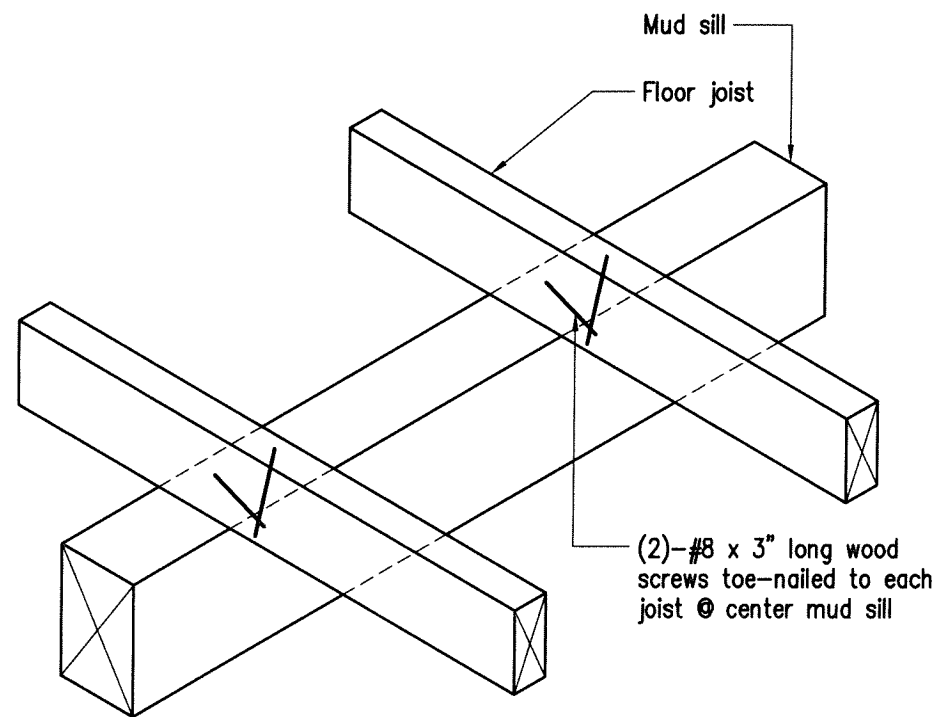
Anchor Strap Detail

(STRAP) Scale: 1 1/2"=1'-0"



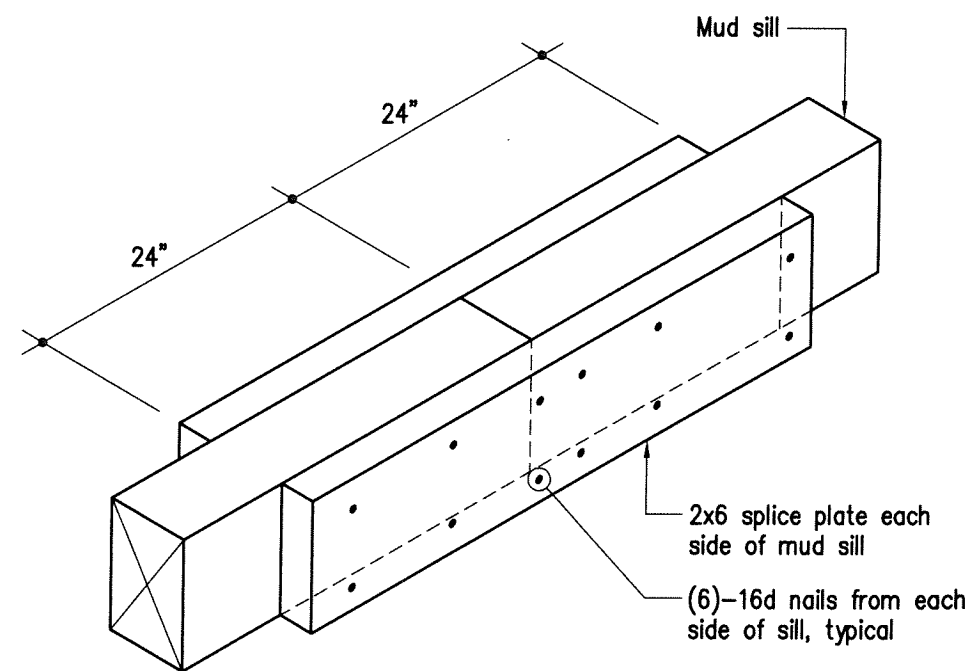
A Floor Joist to Outer Mud Sill Connection Detail

(Joist_Sill_Conn1) Scale: 1 1/2"=1'-0"



B Floor Joist to Inner Mud Sill Connection Detail

(Joist_Sill_Conn2) Scale: 1 1/2"=1'-0"



C Mud Sill Splice Detail

(Sill_Splice) Scale: 1 1/2"=1'-0"



GREG ROBINSON, P.E.
CONSULTING ENGINEER

6512 Six Forks Road, Suite 403A
Raleigh, North Carolina 27615
(919) 846-4752 (919) 847-0455 fax
greg@gar-pe.com

12' x 30' to 36' x 9' Storage Shed

GARPE Job # 19009

Drawn GAR

Checked GAR

Date 05JUN19

Rev

Rev

D2

6 of 6

THE Shed Depot
OF NORTH CAROLINA