



LIBERTY
STORAGE SOLUTIONS, LLC

ORDER 35-60160

BUILDING Lofted Barn, Painted



6' loft

No windows

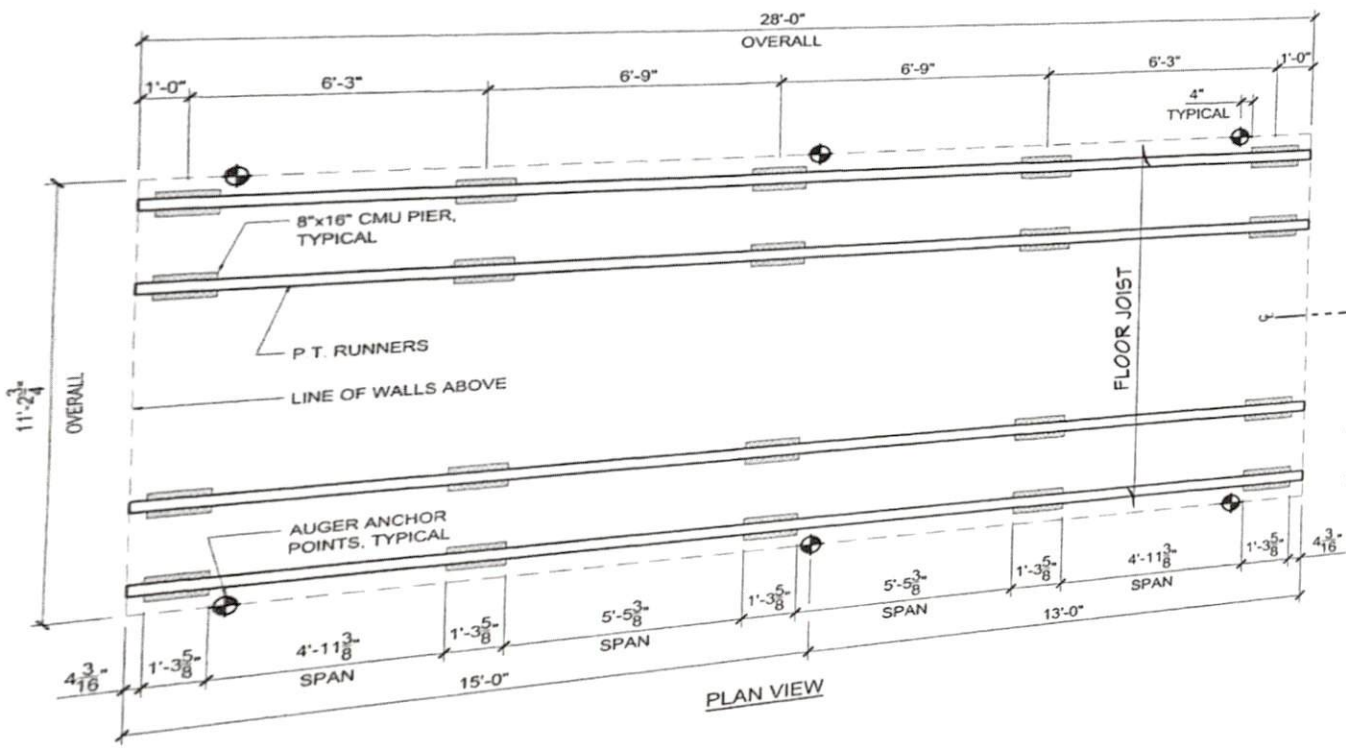
quite deep

4x4 porch

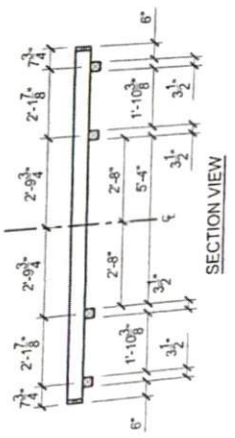
4' loft

Philip Jones
Customer Signature

8/6/22
Date



NOTES:
 THIS DESIGN MEETS
 INTERNATIONAL CODE COUNCIL
 REQUIREMENTS FOR
 115 MPH WIND SPEED (MAXIMUM)
 AND SEISMIC ZONE D



PLAN VIEW

SECTION VIEW



SHED STYLE SEE TYPICAL WALL SECTION	SCALE 1/4" = 1'-0"	STRUCTURAL ENGINEER
		P.E. ROBBINS, P.E. 1777 STATE ROUTE 167 VICTORIA, IL 61485 PHONE (309) 879-3258
		DRAWN BY DOUG GAITHER
SHED SIZE 12x28	DATE 07.08.19	SHEET NAME FOUNDATION AND ANCHORING LAYOUT

STRUCTURAL DESIGN NOTES:

- STRUCTURE IS DESIGNED FOR A MAXIMUM DESIGN OF
 - FLOOR LOAD = 40 (PSF) LIVE LOAD & 10 (PSF) DEAD LOAD
 - ROOF LOAD = 20 (PSF) LIVE LOAD & 10 (PSF) DEAD LOAD
- THIS STRUCTURAL DESIGN MEETS INTERNATIONAL CODE COUNCIL REQUIREMENTS FOR 115 MPH WIND SPEED (MAX.) AND SEISMIC ZONE D.

2x4 (#2 SPF) TRUSS RAFTERS AT 24" O.C. (MAXIMUM)
NOT DRAWN TO SCALE

ROOFING MATERIAL PER CUSTOMER

7/16" O.S.B. ROOF SHEATHING
ATTACHED W/ 8D NAILS AT
12" O.C. AT FIELD AND 6" O.C. AT EDGES

FASCIA AND SOFFIT TRIM MAY
VARY PER STYLE AND CUSTOMER

DOUBLE TOP PLATE
(2X6 TOP AND 2X4 BOTTOM)

2x4 (#2 SPF) WALL STUDS
AT 16" O.C.

7/16" O.S.B. WALL SHEATHING
WITH CLADDING PER CUSTOMER
ATTACHED W/ 8d NAILS
- OR -

P.T. 5/8" (T1-11) PLYWOOD SIDING PANEL
GALV. 1.75"L x 0.09" DIA. COIL NAILS

SHEATHING ATTACHED AT:
12" O.C. AT FIELD
6" O.C. AT EDGES

5/8" T&G SUB FLOOR

P.T. PERIMETER BAND
(MATCH JOIST SIZE)

C.M.U. PILLAR (BEYOND)
SOLID BEARING, HEIGHT VARIES
PER GRADE
(SEE FND PLAN FOR LOCATIONS)

HELICAL ANCHOR,
(LOAD CAPACITY = 1400# MIN)
EMBED 15" MINIMUM
(SEE FND PLAN FOR LOCATIONS)
w/ METAL STRAPS LOOPED OVER
RUNNERS
(ASSUMED 1500 PSI SOIL BEARING)

METAL GUSSET PLATE TO ACT AS
COLLAR TIE (SEE TRUSS DRAWINGS)

2x4 (#2 SPF) RAFTER TIES
AT 6'-0" O.C. (MAXIMUM)

VARIABLE DISTANCE
8' WIDE = 8" MAX.
10' WIDE = 10" MAX.
12' WIDE = 9" MAX.
14' WIDE = 7" MAX.

STRUCTURE IS NOT DESIGNED
AS A HABITABLE SPACE

P.T. 2x4 (#2 SYP) FLOOR JOIST
(AT 8' WIDE & 10' WIDE & 12' WIDE)

P.T. 2x6 (#2 SYP) FLOOR JOIST
(AT 14' WIDE)
AT 16" O.C. (MAXIMUM)

P.T. 4x6 (#2 SYP) CONT. RUNNERS
(SEE FOUNDATION PLAN FOR LOCATIONS)
NOTCHED 2" (MAXIMUM) FOR FLR. JOIST

STRAP MATERIAL SHALL BE
1/8" 7X19 GALVANIZED
AIRCRAFT CABLE MBS 2000 LB.



SHEET NAME: LOFTED BARN	SCALE: 5/8" = 1'-0"
SHEET SIZE: SEE PLAN	DRAWN BY: DOUG GAITHER
DATE: 07.08.19	
SHEET NAME: TYPICAL WALL SECTION	

STRUCTURAL
ENGINEER
P.E. ROBBINS, P.E.
1777 STATE ROUTE 167
VICTORIA, IL 61485
PHONE: (309) 879-3258



08/13/2019
PER191842

David Brantley & Sons, Inc
37 Pine Ridge Rd
Zebulon, NC 27597
252-478-3721
Brantleyoffice@gmail.com

Time of Sale Septic Inspection

Date: 09/08/20

Client Name **Angela Stavrinos**

Client Phone

Agent Ordering Inspection

Street # **198**

Street Name **Fletcher Tutor Rd**

City **Holly Springs**

State: NC

Zip **27540**

Advertised number of bedrooms as stated in MLS or as stated in attached sworn statement by owner or owner's represe **N/A**

N/A Gallons per day for designed system size for number of bedrooms as stated in available local health department information

- Copy of Operations permit from _____ County Environmental Health Attached
- Operations permit not available
- System requires a certified subsurface water pollution control system operator pursuant to G.S. 90A-44

Current Operator's Name: _____

Most recent performance, operation & maintenance reports are ... _____

Type of water supply: **Well**

Is property occupied? **No** If NO, how long has property been vacant? _____

We cannot get an accurate view of the condition of the drain field when the system has been unused for a period of time. It is best to have a system inspected when the home is occupied.

Septic Tank:

Y N

- Are tank lids in tact?
- Influent to tank is noted as sufficient?
- Water level in tank is relative to tank outlet?
- Is there above ground access riser(s)? How far below soil is the tank? **6"**
- Does the tank have baffle wall?
- Is there an outlet tee?
- Is the condition of the tee acceptable?
- Does the outlet tee have a filter? (If so, filter should be cleaned **annually**)
- Effluent leaves the outlet?
- Roots present in tank?
- Evidence of tank leaking?
- Connection present from house to tank?
- Connection present from tank to next component?
- Evidence of non-permitted connections such as downspouts or sump pumps?

Y	N
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Are components of the septic system at least 5 ft. from any structure?

Is the well at least 50 ft. from the septic system?

Distance from House or Structure

Distance from Well

Distance from top of tank to finished grade

Percentage of solids in tank **County recommends having solids removed when tank is 1/3 full.**

Does septic tank need to be pumped at this time?

Size of septic tank

Size of pump tank

ft. from property line if said property lines are known or marked.

Pump Tank:

Y	N
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Does system have pump tank?

Is there an above ground access?

Electrical connections are in place and properly grounded?

Audible and visible alarms (as applicable) work?

Were we able to operate pump at the time of inspection?

Is delivery rate acceptable?

Is the sludge level in pump tank acceptable?

Do all floats work properly?

Are all floats positioned properly?

Distribution:

Y	N
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Is there a distribution box?

Was box located and uncovered?

Is the box acceptable with equal flow?

Dispersal Field:

Type of System:

Y N

- Evidence of past or current surfacing at time of inspection?
- Evidence of traffic over the dispersal field?
- Effluent is reaching the dispersal field?
- Vegetation, grading, and drainage noted that may affect the condition of the system?

Dispersal Field continued:

ft. from property line if property lines are known or marked
 ft. from septic/pump tank
 number of lines
 length of lines

Comments: **Septic tank needs to be pumped out.
Tank is located in back of home right off of air unit.
Distribution box was uncovered and has a lot of sludge in it and needs to be cleaned out.
Drain field consist of 1 line that is 6' wide and marked with blue flags.
No surfacing of effluent at drain field was present during inspection.**

No representation, warranties, or opinions are hereby given, written or expressed otherwise, as to the future performance of on-site wastewater system described herein. This on-site wastewater system inspection is a presentation of system facts in place on date of inspection.

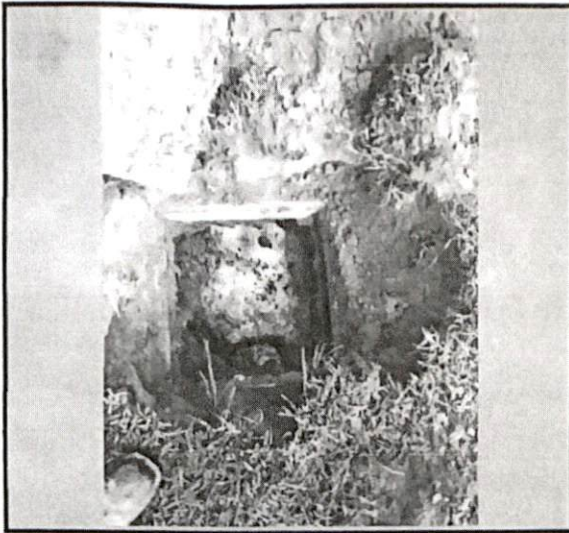
Client requesting this inspection has been advised that for a complete inspection to be performed the tank needs to be pumped.

Inspection Certification #

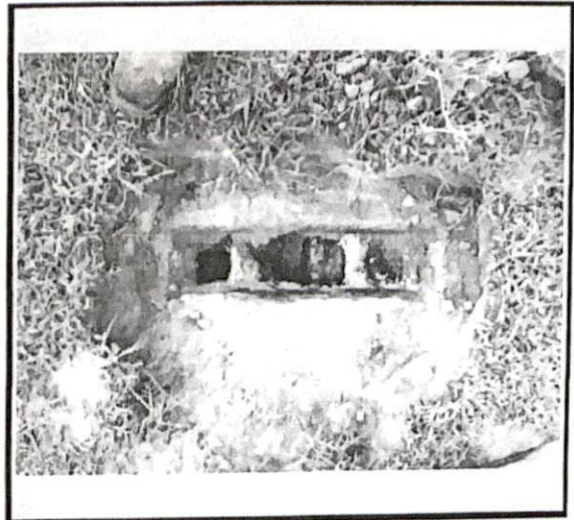
Inspector Signature: Date *09/08/20*

Pre-Inspection contract signed by client is attached to inspection.

Clients should be aware that David Brantley and Sons offers repair, installation, and service of septic systems in addition to inspections. Should this report show a need of system repair you can request a quote for these repairs from our company.



Inlet side of tank.

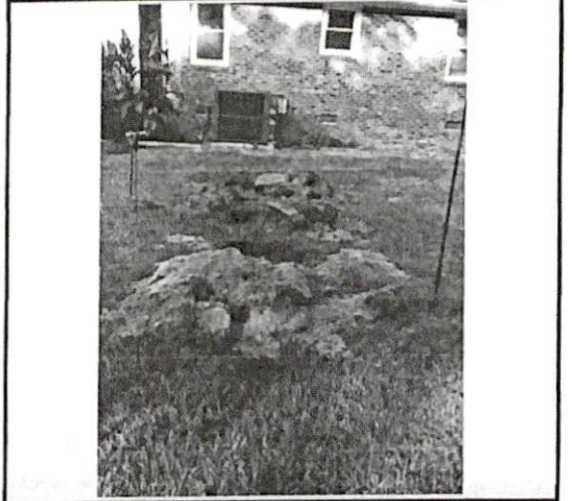


Outlet side of tank.



Distribution box showing sludge inside and needs to be cleaned out.

done 9/8/2020



Tank location in relation to house.