



**Building Permit Application**  
 Howard County Maryland  
 Department of Inspections, Licenses and Permits  
 3430 Court House Drive  
 Permits: 410-313-2455  
 www.howardcountymd.gov

Date Received: 8-18-15

Permit No.: B15003553

Building Address: 1973 Long Corner Rd.  
 City: Mt. Airy State: MD Zip Code: 21771  
 Suite/Apt. # \_\_\_\_\_ SDP/WP/BA #: \_\_\_\_\_  
 Census Tract: \_\_\_\_\_ Subdivision: \_\_\_\_\_  
 Section: \_\_\_\_\_ Area: \_\_\_\_\_ Lot: \_\_\_\_\_  
 Tax Map: \_\_\_\_\_ Parcel: \_\_\_\_\_ Grid: \_\_\_\_\_  
 Zoning: \_\_\_\_\_ Map Coordinates: \_\_\_\_\_ Lot Size: \_\_\_\_\_

Existing Use: \_\_\_\_\_  
 Proposed Use: SFD  
 Estimated Construction Cost: \$ 17,000  
 Description of Work: Detached  
1-story 40' x 30' pole barn

Occupant or Tenant: \_\_\_\_\_  
 Was tenant space previously occupied?  Yes  No  
 Contact Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

Property Owner's Name: Matthew R. Curtis  
 Address: 1973 Long Corner Rd.  
 City: Mt. Airy State: MD Zip Code: 21771  
 Phone: 250-286-2710 Fax: \_\_\_\_\_  
 Email: matthew.R.Curtis@tcloud.com

Applicant's Name & Mailing Address, (if other than stated herein)  
 Applicant's Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

Contractor Company: Pioneer Pole Buildings Inc.  
 Contact Person: Samantha Muskara  
 Address: 716 South Pt. 183  
 City: Schuylkill PA Zip Code: 17972  
 License No.: 82292  
 Phone: 888-448-2505 Fax: 888-448-2515  
 Email: SMUSCARA@PioneerpoleBuildings.com

Engineer/Architect Company: \_\_\_\_\_  
 Responsible Design Prof.: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

Commercial Building Characteristics	Residential Building Characteristics	
Height:	<input type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse	
No. of stories:	Depth	Width
Gross area, sq. ft./floor: <u>1200'</u>	1 <sup>st</sup> floor:	
Area of construction (sq. ft.): <u>1200'</u>	2 <sup>nd</sup> floor:	
Use group:	Basement:	
<u>Construction type:</u>	<input type="checkbox"/> Finished Basement	
<input type="checkbox"/> Reinforced Concrete	<input type="checkbox"/> Unfinished Basement	
<input type="checkbox"/> Structural Steel	<input type="checkbox"/> Crawl Space	
<input type="checkbox"/> Masonry	<input type="checkbox"/> Slab on Grade	
<input type="checkbox"/> Wood Frame	No. of Bedrooms:	
<input type="checkbox"/> State Certified Modular	<u>Multi-family Dwelling</u>	
	No. of efficiency units:	
	No. of 1 BR units:	
	No. of 2 BR units:	
	No. of 3 BR units:	
	Other Structure:	
	Dimensions:	
	Footings:	
	Roof:	
	<input type="checkbox"/> State Certified Modular	
	<input type="checkbox"/> Manufactured Home	

Utilities	
<u>Water Supply</u>	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
<u>Sewage Disposal</u>	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Electric: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Gas: <input type="checkbox"/> Yes <input type="checkbox"/> No	
<u>Heating System</u>	
<input type="checkbox"/> Electric <input type="checkbox"/> Oil	
<input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas	
<input type="checkbox"/> Other:	
<u>Sprinkler System:</u>	
<input type="checkbox"/> Yes <input type="checkbox"/> No	
Grading Permit Number: _____	
Building Shell Permit Number: _____	

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION UNTIL HE/SHE HAS RECEIVED ALL NECESSARY PERMITS FROM THE APPLICABLE AGENCIES AND OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature: Matthew R. Curtis Print Name: Matthew R. Curtis  
 Email Address: matthew.R.Curtis@tcloud.com Date: 8-18-15  
 Title/Company: \_\_\_\_\_

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY

**FOR OFFICE USE ONLY**

AGENCY	DATE	SIGNATURE OF APPROVAL	DPZ SETBACK INFORMATION	Filing Fee
State Highways			Front: _____	Permit Fee \$ <u>25</u>
Building Officials			Rear: _____	Tech Fee \$
PSZA (Zoning)			Side: _____	Excise Tax \$
PSZA (Engineering)			Side St: _____	PSFS \$
Health	<u>8/18/15 H. O'Connell</u>		All minimum setbacks met? <input type="checkbox"/> Yes <input type="checkbox"/> No	Guaranty Fund \$
			Is Entrance Permit Required? <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l per Fee \$
			Historic District? <input type="checkbox"/> Yes <input type="checkbox"/> No	Total Fees \$
			Lot Coverage for New Town Zone:	Sub-Total Paid \$
			SDP/Red-line approval date: _____	Balance Due \$
				Check #

Distribution of Copies: White: Building Officials Green: PSZA,Zoning Yellow: PSZA,Engineering Pink: Health Gold: SHA

T:\Operations\Updated Forms\Building applmp 8.2012.docx

*\* will pay @ time of issuance*

## Oswald, Hank

---

**From:** Oswald, Hank  
**Sent:** Thursday, October 01, 2015 1:20 PM  
**To:** 'matthew curtis'  
**Subject:** RE: B15003553\_1973 Long Corner Road\_BP Response  
**Attachments:** B15003553\_1973 Long Corner Rd\_ BP Approval\_10.1.2015.pdf

Matt:

B15003553 has been approved by the *Health Department*. I've attached a copy of the BP and site plan for your records.

Please contact the building permit office for BP issuance.

Should you have any questions, please don't hesitate to ask.

Hank

---

**From:** matthew curtis [<mailto:matthew.r.curtis@icloud.com>]  
**Sent:** Tuesday, September 29, 2015 10:40 AM  
**To:** Oswald, Hank  
**Subject:** Re: B15003553\_1973 Long Corner Road\_BP Response

Hank,

I just got a call from a woman at the health dept. saying my variance was approved. She said she would forward it on to you. What is the next step of any or will the county issue the permit now?

Thanks,  
Matt

Sent from my iPhone

On Sep 21, 2015, at 10:30 AM, Oswald, Hank <[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)> wrote:

8930 Stanford Blvd, Columbia, MD 21045

---

**From:** matthew curtis [<mailto:matthew.r.curtis@icloud.com>]  
**Sent:** Monday, September 21, 2015 10:22 AM  
**To:** Oswald, Hank  
**Subject:** Re: B15003553\_1973 Long Corner Road\_BP Response

Hank,

What address should I use to mail the folder to Mike Davis?

Matt Curtis

Sent from my iPhone

On Sep 18, 2015, at 2:39 PM, Oswald, Hank <[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)> wrote:

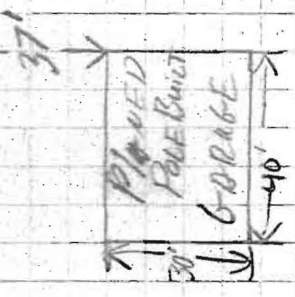
I didn't see the floor plans in the attachments but otherwise submit for review.

---

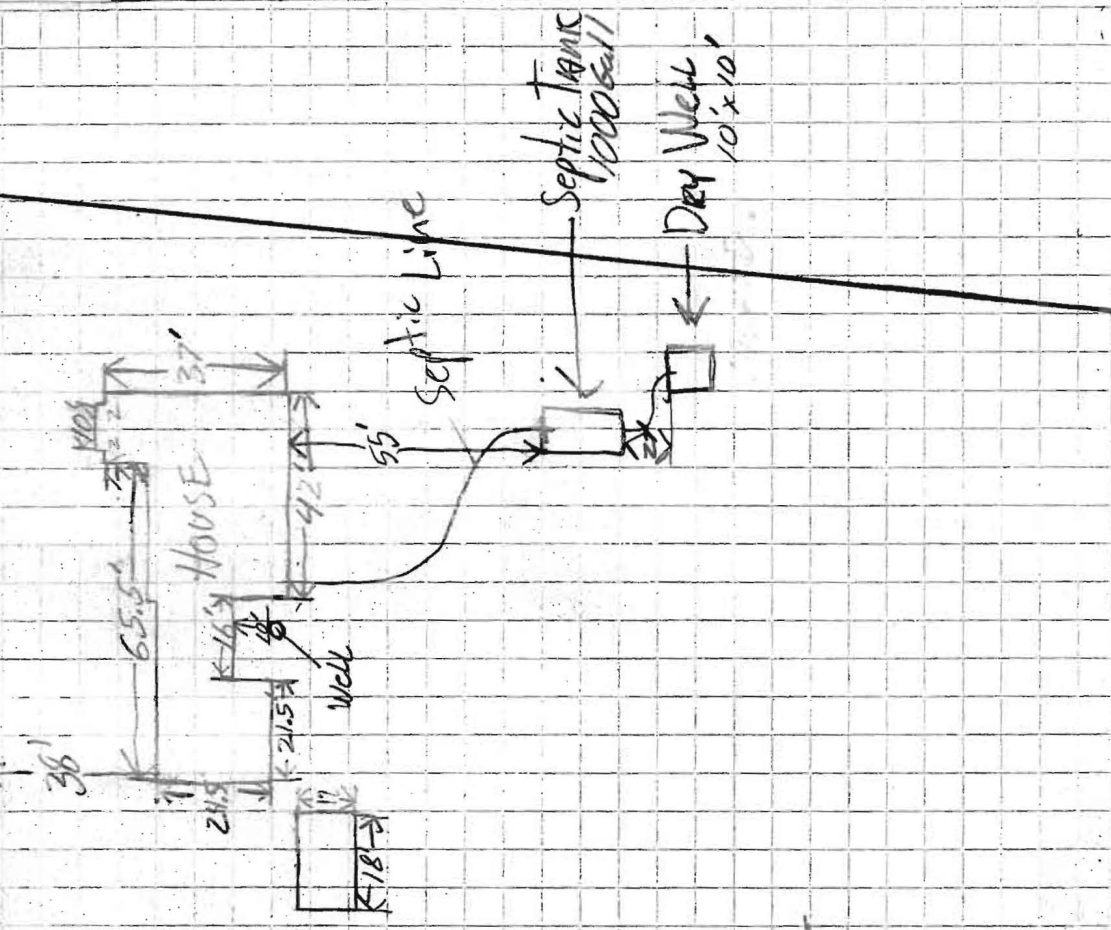
**From:** matthew curtis [<mailto:matthew.r.curtis@icloud.com>]  
**Sent:** Friday, September 18, 2015 1:39 PM  
**To:** Oswald, Hank  
**Subject:** Re: B15003553\_1973 Long Corner Road\_BP Response

346'

Long Corner Rd.



RECEIVED  
SEP 23 2015  
HOWARD COUNTY HEALTH DEPT  
BUREAU OF ENVIRONMENTAL HEALTH



1 Square = 8'

320'

10/1/15. Site plan approved  
as shown for B15003553  
(30' x 40' garage) - H.P.

**COMPLETE THIS FORM WHEN DROPPING OFF ANY  
CORRESPONDENCE AND/OR PLANS TO THE HOWARD COUNTY  
DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS COUNTER:**

Date: 8-24-15

To: ANETTE in DPZ  
(Person's Name and Division)

From: Matt Curtis (240) 286-2710  
(Your Name, Company Name and Telephone Number)

Subject: Project name \_\_\_\_\_  
Project site address 1973 Long Coance Rd. Mt. Airy, NC 21771  
Permit # B15003553 SDP # \_\_\_\_\_  
Other information pertinent to this project \_\_\_\_\_

Please check the attachments below that you are submitting with this transmittal:

- Letter of response to address plan review comment letter
- Revised plans and/or revised details: When submitting for a complete re-review, duplicate sets shall be submitted.
- Letter Summarizing Changes
- Energy conservation calculations
- Copies of \_\_\_\_\_ (be specific).  
 Health Department Request  DPZ/ DED Request  Applicant's Request
- Two sets of single family dwelling model plans to be placed on permanent file: Model name and/or # \_\_\_\_\_
- Other \_\_\_\_\_

**Contact Person Information: (Required)**

Matthew Curtis  
Please Print Name

Telephone No: 240-286-2710

E-Mail Address: matthew.E.Curtis@ohdnc.com

**PLEASE ASSURE ALL DOCUMENTS AND/OR REVISIONS ARE APPROPRIATELY SIGNED AND SEALED, IF NECESSARY, BY A LICENSED ARCHITECT OR ENGINEER. PLEASE BE ADVISED THAT INSUFFICIENT INFORMATION MAY RESULT IN THE DELAY OF REVIEW BY THE PLANS EXAMINER. THE DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS WILL CONTACT YOU IF THERE IS A PROBLEM. IN ADDITION, ONCE THE BUILDING PERMIT IS APPROVED BY THE PLAN REVIEW DIVISION AND ALL OTHER REQUIRED SIGNATORY AGENCIES, AND THE BUILDING PERMIT IS READY FOR ISSUANCE, THE PERMIT DIVISION WILL NOTIFY THE APPROPRIATE CONTACT PERSON FOR PERMIT PICK UP. ALL PERMIT STATUS INQUIRIES SHALL BE DIRECTED TO THE PERMIT DIVISION AT 410-313-2455. CODE RELATED QUESTIONS AND PLAN REVIEW INQUIRIES SHALL BE DIRECTED TO THE PLAN REVIEW DIVISION AT 410-313-2436. PLEASE ALLOW A MINIMUM OF FIVE (5) WORKING DAYS FOR ANY PLAN SUBMITTALS TO BE REVIEWED. THANK YOU.**

Received by mf

Revision

cc - zoning  
MLTH

## Oswald, Hank

---

**From:** Oswald, Hank  
**Sent:** Tuesday, September 01, 2015 11:05 AM  
**To:** 'MATTHEW.R.CURTIS@ICLOUD.COM'  
**Subject:** B15003553\_1973 Long Corner Road\_BP Response  
**Attachments:** BP Response Letter\_Site Plan, FPs and Percolation Certification Plan\_9.1.2015.pdf; Percolation and Plan Requirements.pdf; Application for Perc Testing.pdf; W and S Setback Requirements.pdf

Mr. Curtis:

Attached, please find my BP response letter along with other attachments relative to the proposed pole barn project.

Please contact me with any questions.

Respectfully,

Hank

Hank Oswald, L.E.H.S.  
Howard County Health Department  
Bureau of Environmental Health  
Well & Septic Program  
410.313.1786



## Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

[www.hchealth.org](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)

Twitter: HowardCoHealthDep

**Maura J. Rossman, M.D., Health Officer**

---

September 1, 2015

MATTHEW R. CURTIS  
1973 LONG CORNER ROAD  
MT. AIRY, MD 21771

*Sent via email to: [MATTHEW.R.CURTIS@ICLOUD.COM](mailto:MATTHEW.R.CURTIS@ICLOUD.COM)*

**RE: B15003553**  
**1973 LONG CORNER ROAD**  
**MT. AIRY, MD 21771**

Mr. Curtis:

This letter is in response to building permit #B15003553. The application describes construction of a 40 ft X 30 ft pole barn. Upon receipt of the paperwork, the submittal did not include a copy of the floor plans for the pole barn or a scaled site plan detailing the locations of the well and septic system components relative to the house and proposed pole barn.

In addition, this office does not have record of the septic system or an established septic reserve area on a signed percolation certification plan. According to *Howard County Code Sec 3.805*, there must be an approved percolation certification plan establishing a septic disposal area for the property prior to Health Department approval of a building permit. If one doesn't exist then it must be established prior to approval.

Also, since there is no record of the septic system for this property, it's unclear if the existing system meets current code. A septic contractor may be able to provide details about the septic tank, drywell and/or trench conditions and sizes. If the tank and trenches are not to code, then they may have to be replaced.

Building permit approval is being withheld until a scaled site plan, floor plans and percolation certification plan has been received by the Health Department. I've attached a copy of the well and septic setbacks, percolation test and plan requirements for developed lots in addition to the application for percolation testing. Please contact me with any questions.

Respectfully,

A handwritten signature in cursive script that reads 'Hank Oswald'.

Hank Oswald, L.E.H.S  
Bureau of Environmental Health  
Well & Septic Program  
410.313.1786

**FOGLE'S SEPTIC CLEAN, INC.**  
 580 Obrecht Road • Sykesville • Maryland 21784  
 (410) 795-5670



# SEPTIC EVALUATION

<input checked="" type="checkbox"/> Buyer / <input type="checkbox"/> Seller <u>Owner</u>	Date: <u>9/17/15</u> Time: <u>12:00</u>	Occupied? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No
Client: <u>Matt Curtis</u>	Ordered By:	If vacant, how long?
Property Address: <u>1973 Long Corner Rd Mt. Airy, MD 21771</u>	Phone: <u>240-286-2710</u>	Last pumped: <u>~1yr</u>
	email:	Property age: <del>1958</del> <u>1958</u>
	Weather:	System age:
	Ground Conditions:	

Liquid level: <input type="checkbox"/> Above Normal / <input checked="" type="checkbox"/> Normal / <input type="checkbox"/> Below normal	Depth of tank: <u>1'</u>
Maintenance Appears: <input checked="" type="checkbox"/> Good / <input type="checkbox"/> Fair / <input type="checkbox"/> Poor	Access to tank: <u>6" x 10</u>
Effluent Filter present? <input type="checkbox"/> Yes / <input checked="" type="checkbox"/> No	Pump system: <input type="checkbox"/> Yes / <input checked="" type="checkbox"/> No

Type of Tank	Tank Composition & Size	Type of Absorption System
<input checked="" type="checkbox"/> Septic Tank (1 tank) <input type="checkbox"/> Cesspool <input type="checkbox"/> Aeration System <input type="checkbox"/> Other:	<input type="checkbox"/> Metal <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Unknown Tank Size: <u>1000g</u> Baffles intact? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No <u>PVC</u>	<input type="checkbox"/> Drainfield <input checked="" type="checkbox"/> Drywell <input type="checkbox"/> Sandmound <input type="checkbox"/> Other:

Inspected System Appears:	Inspector's Comments	Sketch of System
<input checked="" type="checkbox"/> Functional <input type="checkbox"/> Marginal <input type="checkbox"/> Unsatisfactory	<u>Precast concrete 1000g septic tank. is relatively clean. System has good flow throughout. 10'dia. drywell has approx 3' of liquid depth remaining</u>	
Inspector:		
Signature: <u>R. Carrell</u>		
Inspection Fee: <u>\$240</u>		
Water Test:		
Amount Due: <u>\$240 L.O.D.</u>		
Date Paid:		
Check #		

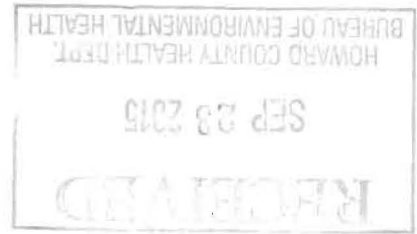
**IMPORTANT:**

- This is a subjective and visual inspection only, based upon many unknown and unseen factors.
- The condition of the Sewage Disposal system is reported a of the above date.
- This report does not WARRANT nor GUARANTEE continued functional Sewage Disposal System operations.
- If house has been unoccupied, this report may not be accurate. Little or no use of the septic system could have allowed the problems to temporarily clear themselves.
- If a larger family is moving in than is presently occupying the house, the septic system may be subject to failure.
- If the general ground condition is wet, this report may not be accurate, as ground moisture may cover or hide actual septic effluent on the surface.
- In the above cases, it is strongly suggested that the septic system be re-certified in 3 to 6 months.
- If the system is rated below as marginal or unsatisfactory, it is suggested that the local health department be contacted to inspect and confirm the findings.

**Payment for this inspection signifies understanding and acceptance of above clauses.**

Untitled

9-17-2015



TO, Mike Davis  
Dep. Director of  
envirmental Health

Enclosed please find my site plan, detached garage floor plan, & evaluation letter from Foogles Septic

I wish to apply to waive the percolation certification plan requirements for my property located on 1973 Long Corner Rd. My well & septic are in good working order & the proposed building will be over 150 ft from the existing septic tank & dry well. I have more than enough area on my property for future repairs and dont believe the propped area for the detached garage will ever be a problem, also if the septic & drain fields had to be moved in the future they would have to rip out my driveway and run up hill to install it where I would like the building to be built.

Any questions or further information needed please call or email me

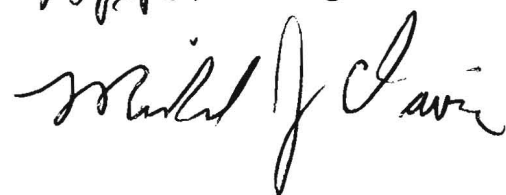
Thank You,

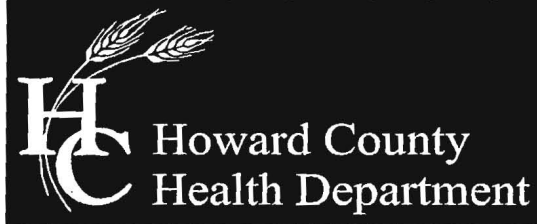
 9-17-15

Matt Curtis  
1973 Long Corner Rd.  
Mt. Airy, MD 21771

phone- 240-286-2710

email- matthew.r.curtis@icloud.com

9/22/15  
Approved  




Bureau of Environmental Health

7178 Columbia Gateway Drive, Columbia, MD 21046-2147

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

[www.hchealth.org](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)

Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Acting Health Officer

October 1, 2015

Matt Curtis  
1973 Long Corner Road  
Mt. Airy, MD 21771

**RE: Variance Approval**  
1973 Long Corner Road  
Mt. Airy, MD 21771

Mr. Curtis:

This letter is being issued in response to your variance request dated September 17, 2015. This agency will grant **approval** of the waiver to the required Percolation Certification Plan and percolation testing to establish a septic reserve area as required by the *Howard County Code, Subtitle 8, Section 3.805*. The waiver has been approved on the basis that the proposed garage without lining space and without plumbing has a minimal impact on the available area for on-site sewage disposal. Please note that any future addition of living space or other property improvements will likely require testing and a percolation certification plan. Any deviations from the site plan submitted with the building permit will be subject to further review by this Department.

Any questions regarding this decision may be directed to the Well and Septic Program of the Howard County Health Department.

Respectfully,

A handwritten signature in black ink, appearing to read 'Michael J. Davis', is written over the typed name.

Michael J. Davis  
Assistant Director  
Bureau of Environmental Health

**Oswald, Hank**

---

**From:** Oswald, Hank  
**Sent:** Tuesday, September 08, 2015 8:41 AM  
**To:** 'matthew curtis'  
**Subject:** RE: B15003553\_1973 Long Corner Road\_BP Response

Mr. Curtis:

Usually a Percolation certification plan is not required for detached garages, pole barns, and sheds if:

1. "The property has a SDA identified on a final record plat, Percolation Certification Plan or an equivalent plan that is not affected by the proposed addition; **and**
2. "Adequate perc test results are on record (Adequate means that we have passing perc rates and there is no indication of problems within the SDA.)"
3. "The existing on-site sewage disposal system is not identified as a public health threat by file records that indicate concerns such as groundwater penetration, less than four foot buffer treatment zone or history of failure;" **and**
4. "The site is not located in an area with a history of Environmental Health concerns such as premature failing septic systems or groundwater contamination."

Variances to waive the Percolation Certification Plan for properties that do not meet 1 and 2 may be requested by the owner in writing and forwarded to the Health Department attention Mike Davis. Variance reviews are subject to 3 week review period.

As discussed, this office doesn't have record of the septic system located at 1973 Long Corner Road therefore, the septic tank and drywell and/or trench should be evaluated (size and condition) by a licensed septic contractor. Please submit this evaluation, along with the waiver request and floor plans for the proposed garage.

Attached, you will find a list of septic contractors.

Should you have any questions, please don't hesitate to ask.

Respectfully,

Hank

---

**From:** matthew curtis [<mailto:matthew.r.curtis@icloud.com>]  
**Sent:** Thursday, September 03, 2015 6:45 PM  
**To:** Oswald, Hank  
**Subject:** Re: B15003553\_1973 Long Corner Road\_BP Response

Mr. Oswald,

Please send me all the info needed so that I can submit my well & septic for the exemption we talked about on the phone this afternoon.

Thanks,

Matt Curtis

Sent from my iPhone

On Sep 1, 2015, at 11:04 AM, Oswald, Hank <[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)> wrote:

Mr. Curtis:

Attached, please find my BP response letter along with other attachments relative to the proposed pole barn project.

Please contact me with any questions.

Respectfully,

Hank

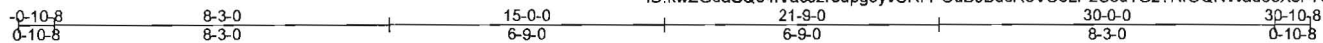
Hank Oswald, L.E.H.S.  
Howard County Health Department  
Bureau of Environmental Health  
Well & Septic Program  
410.313.1786

<BP Response Letter\_Site Plan, FPs and Percolation Certification Plan\_9.1.2015.pdf>

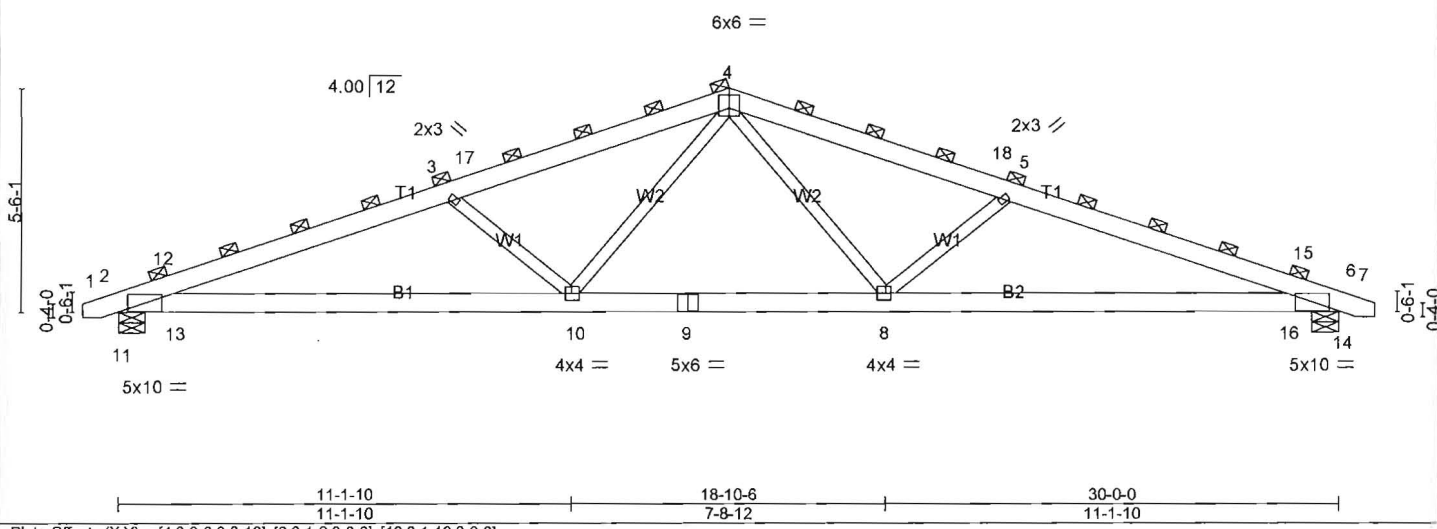
<Percolation and Plan Requirements.pdf>

<Application for Perc Testing.pdf>

<W and S Setback Requirements.pdf>



Scale = 1:54.4



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 30.0	4-0-0	TC 0.97	in (loc) l/defl L/d	MT20	197/144
TCDL 5.0	Plate Grip DOL 1.15	BC 0.89	Vert(LL) -0.34 8-10 >999 240		
BCLL 0.0	Lumber DOL 1.15	WB 0.62	Vert(TL) -0.50 10-13 >722 180		
BCDL 5.0	Rep Stress incr NO	(Matrix-M)	Horz(TL) 0.13 6 n/a n/a		
	Code IBC2012/TPI2007			Weight: 171 lb	FT = 4%

**LUMBER-**  
 TOP CHORD 2x6 SP No.2  
 BOT CHORD 2x6 SP No.1  
 WEBS 2x4 SPF No.3

**BRACING-**  
 TOP CHORD 2-0-0 oc purlins (2-0-7 max.).  
 BOT CHORD Rigid ceiling directly applied or 9-0-4 oc bracing.

**REACTIONS.** (lb/size) 2=2585/0-8-0 (min. 0-3-1), 6=2585/0-8-0 (min. 0-3-1)  
 Max Horz 2=98(LC 14)  
 Max Uplift 2=393(LC 7), 6=393(LC 8)

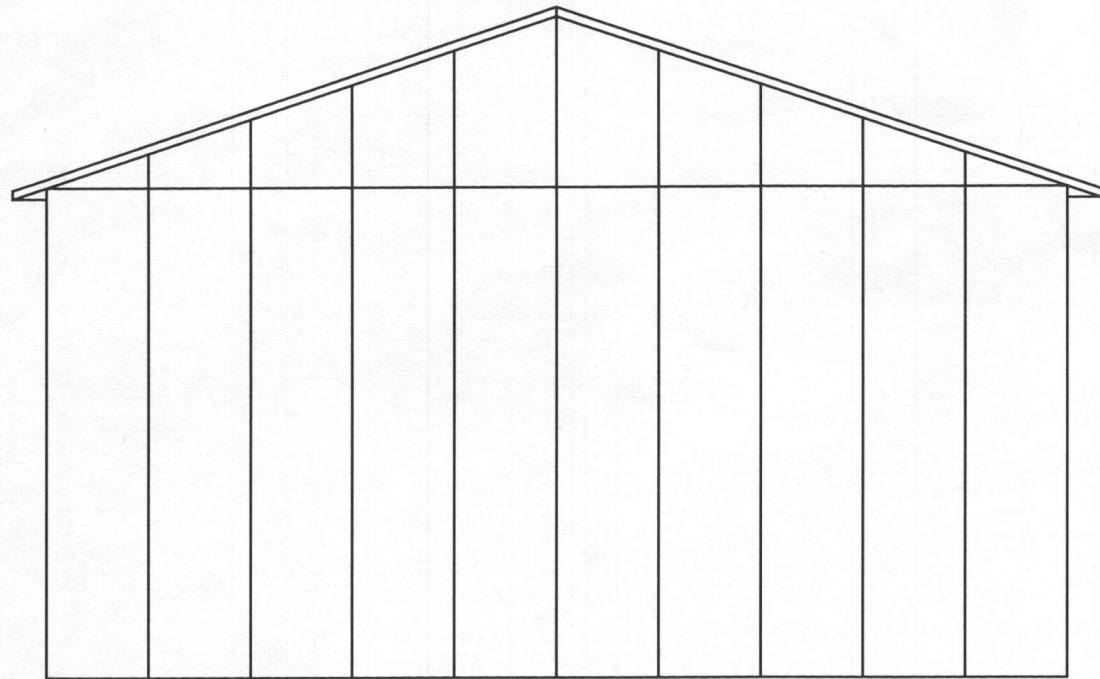
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-12=4644/583, 3-12=5672/823, 3-17=4789/648, 4-17=4758/674, 4-18=4758/675, 5-18=4789/648, 5-15=5672/823, 6-15=4644/575  
 BOT CHORD 11-13=658/4893, 10-13=750/5247, 9-10=392/3672, 8-9=392/3672, 8-16=675/5247, 14-16=599/4893  
 WEBS 3-10=1397/351, 4-10=167/1402, 4-8=167/1402, 5-8=1397/351, 2-11=2295/317, 12-13=349/208, 11-12=62/571, 2-13=1241/113,  
 6-14=2295/313, 15-16=349/206, 14-15=41/571, 6-16=1241/124

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCCL=3.0psf; BCCL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (envelope); Lumber DOL=1.33 plate grip DOL=1.33
  - TCLL: ASCE 7-10; Pr=30.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Ps=31.5 psf (roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.2; Unobstructed slippery surface
  - Roof design snow load has been reduced to account for slope.
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 33.6 psf on overhangs non-concurrent with other live loads.
  - Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=2) 3=393, 6=393.
  - This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

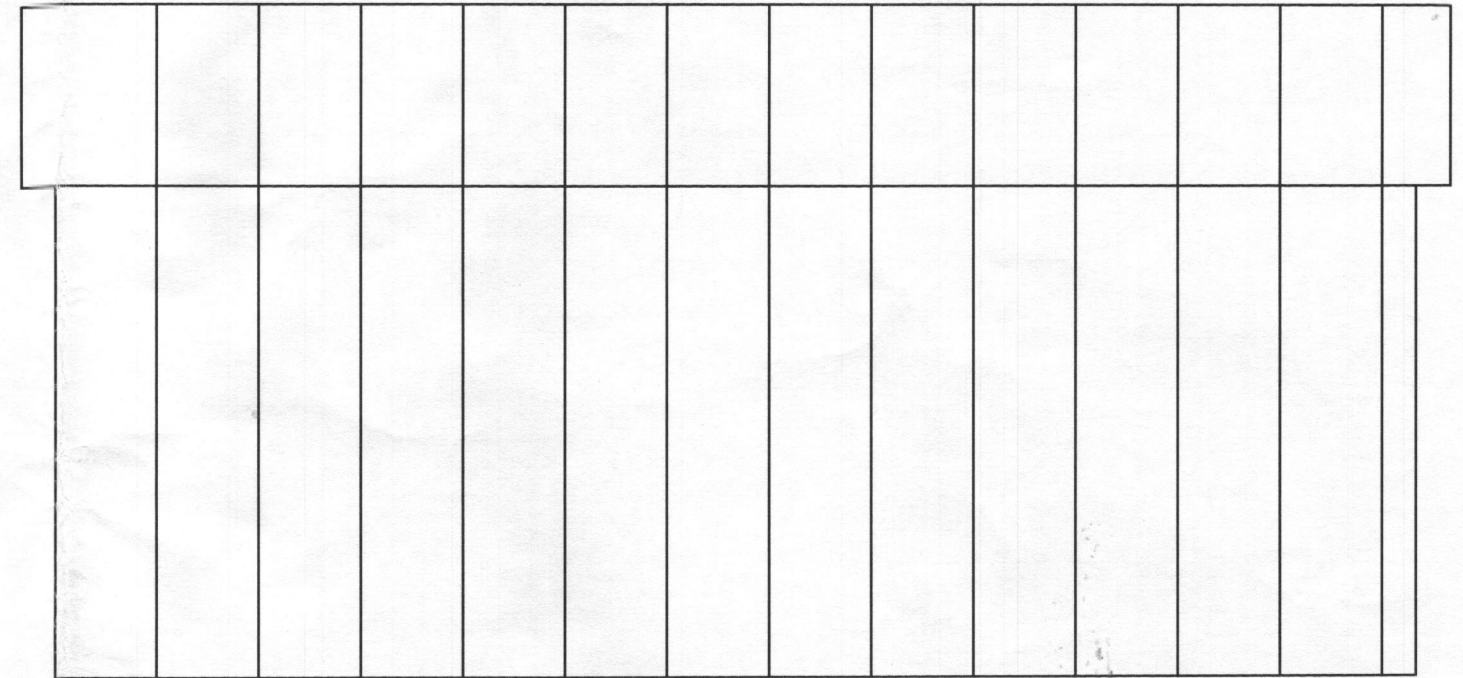


This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.

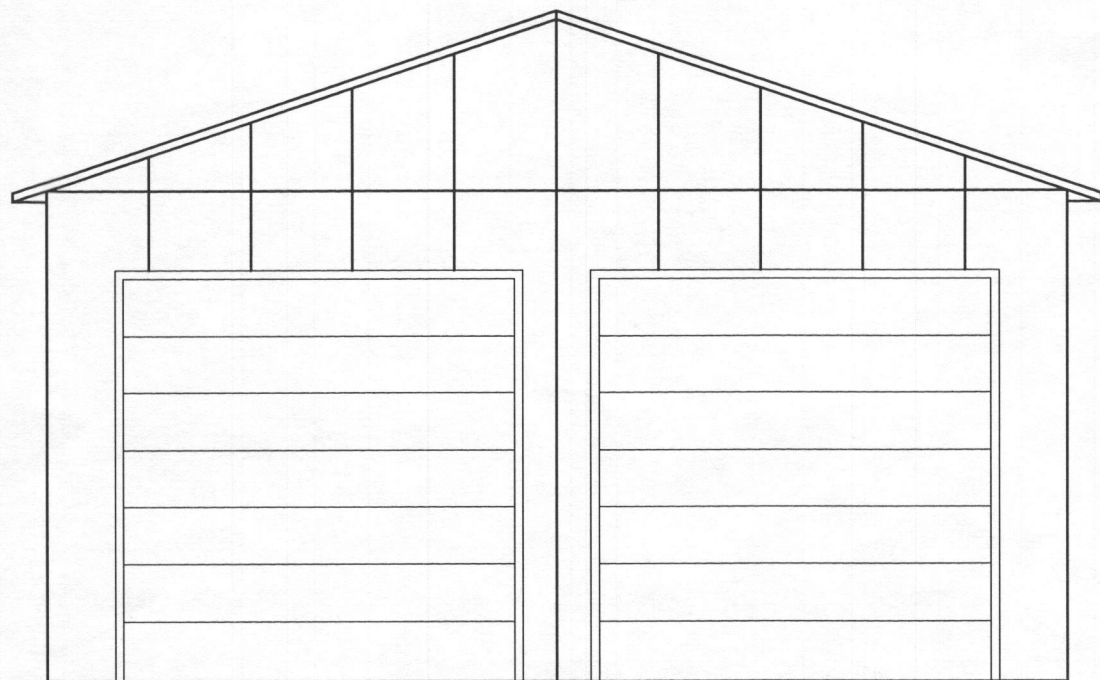




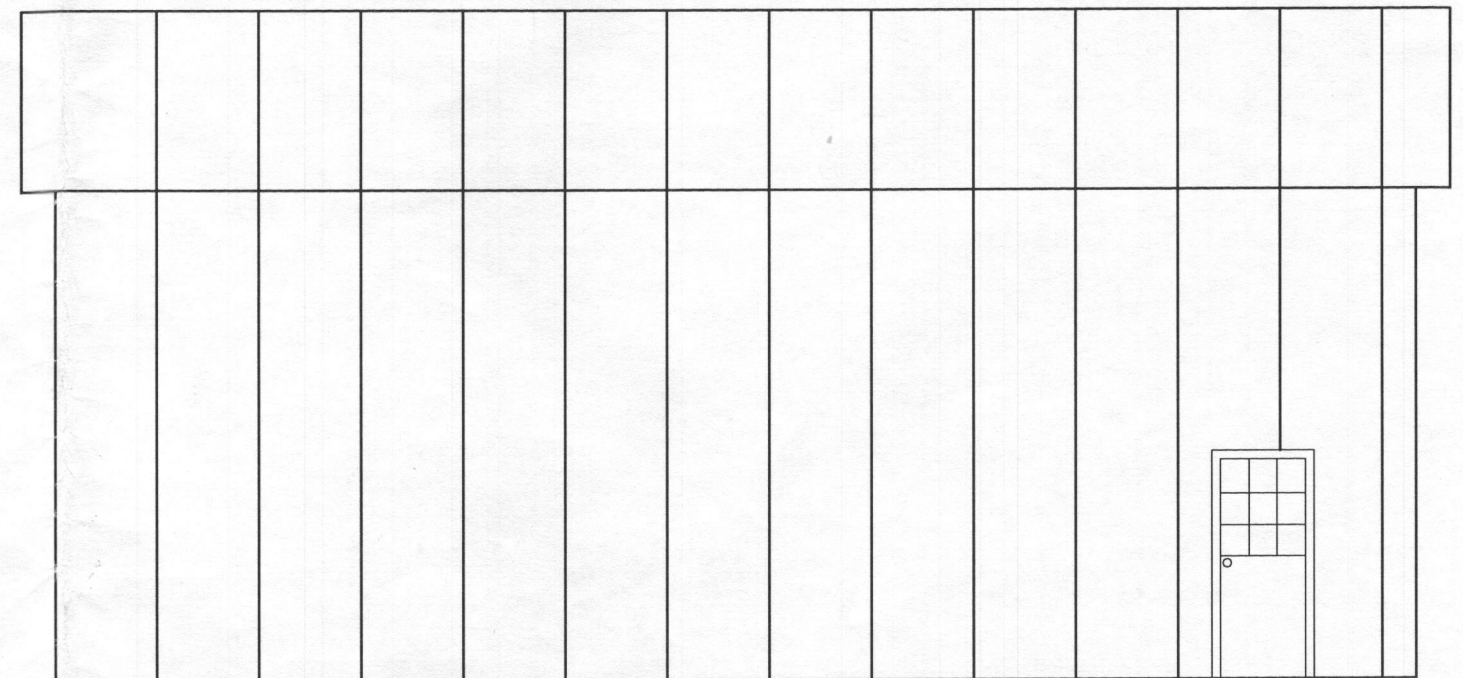
GABLE #1



EAVE #2



GABLE #2



EAVE #1

**PPB. Inc.**

Pioneer Pole Buildings, Inc.  
716 South Rt. 183  
Schuylkill Haven, PA 17972  
1-888-448-2505 Toll Free

JOB SITE ADDRESS:

SAME

CUSTOMER ADDRESS:

MATT CURTIS  
1973 LONG CORNER RD  
MT AIRY, MD 21771  
240-286-2710

James A. Koppenhaver, P.E.  
304 Logan Ave.  
Wyomissing, PA 19610  
484-794-9949  
info@koppenhaverpe.com

DATE: 8-12-15

SHEET: ELEVATIONS

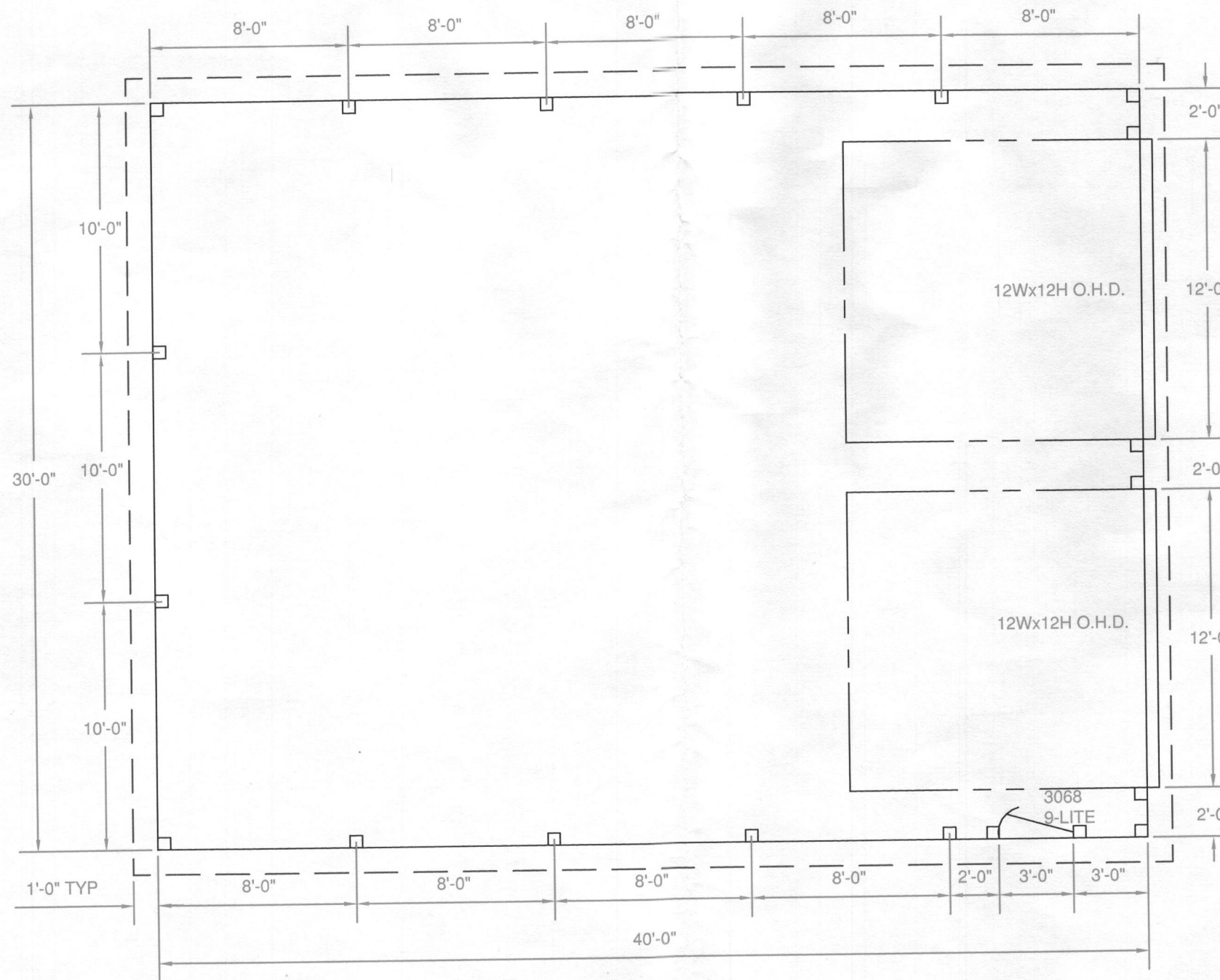
BUILDING SIZE: 30x40x14'-4"

DRAWN BY: HEIDI KLOCK

Job Number:

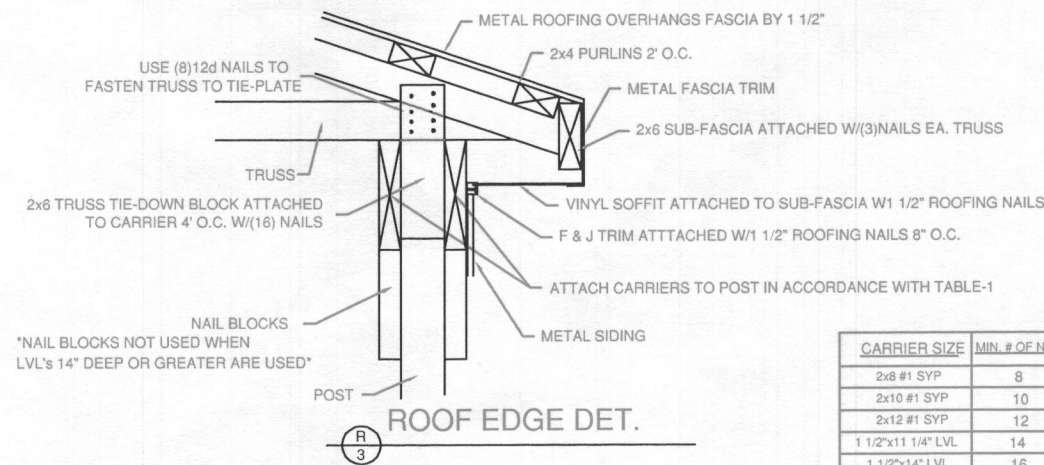
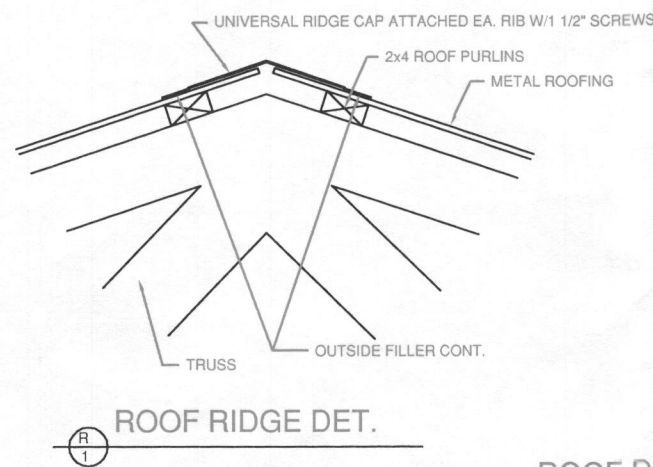
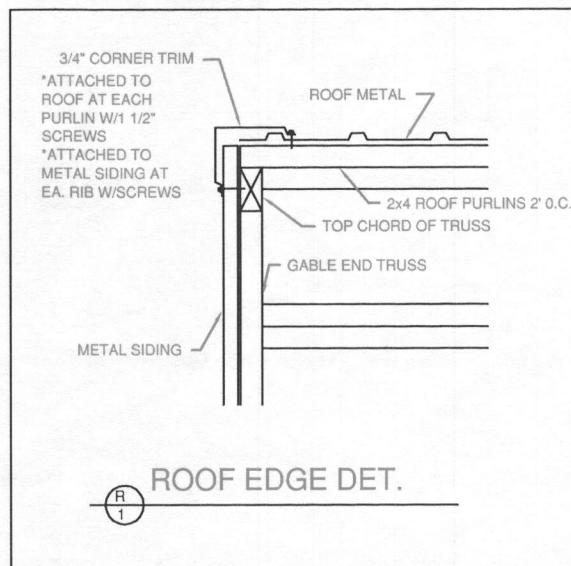
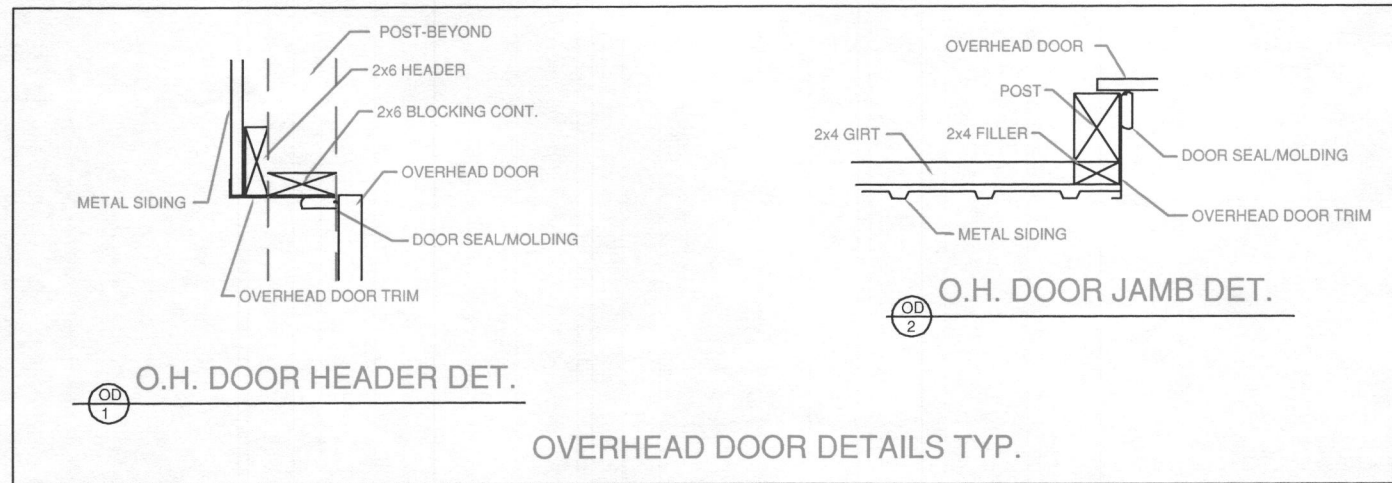
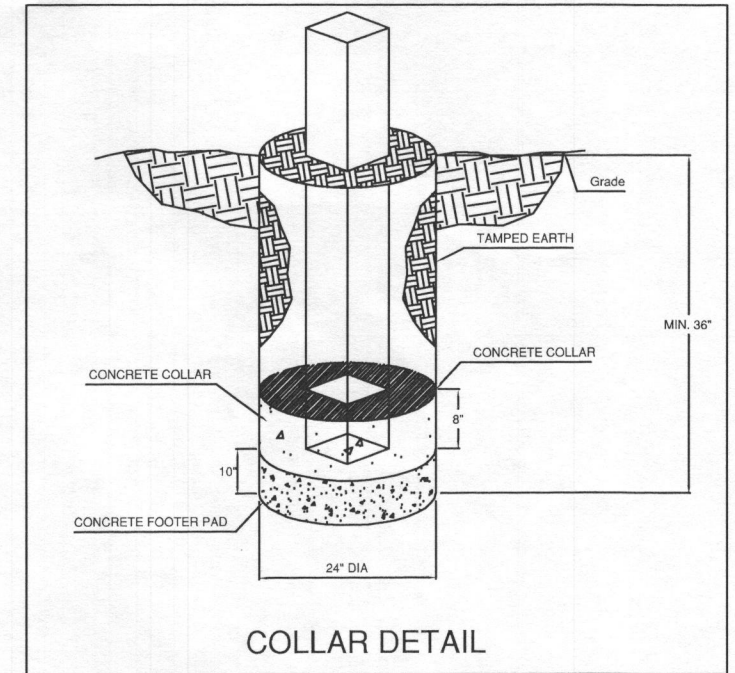
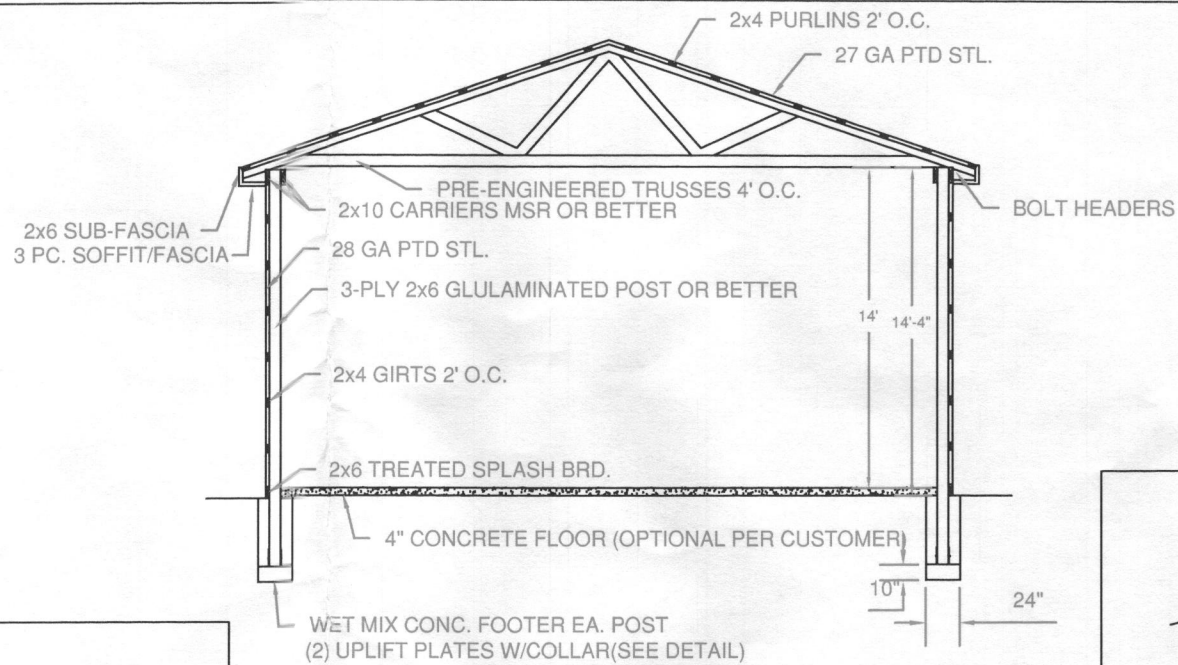
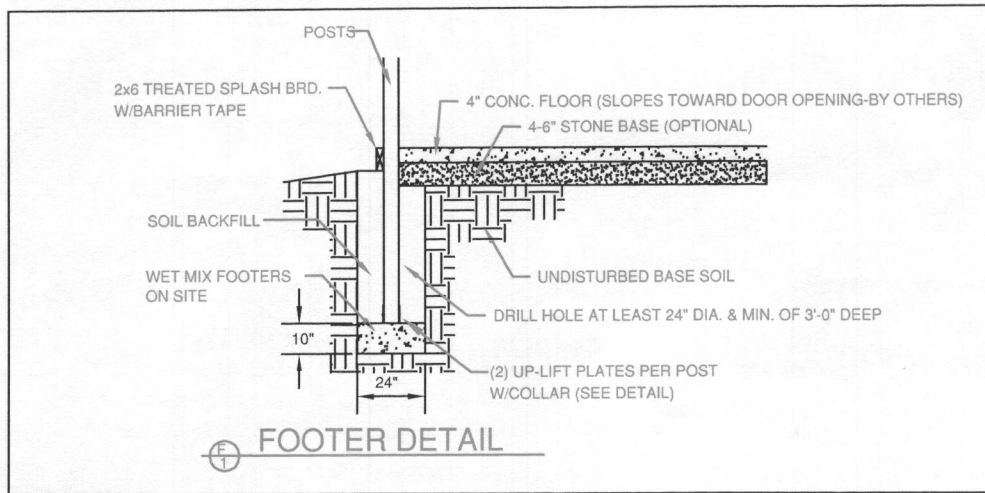
CHECKED BY:

CURTIS-1



ALL RIGHTS RESERVED BY PIONEER POLE BUILDINGS, INC. NOT TO BE COPIED OR REPRODUCED WITHOUT WRITTEN PERMISSION.

<p><b>PPB. Inc.</b>                  Pioneer Pole Buildings, Inc.                  716 South Rt. 183                  Schuylkill Haven, PA 17972                  1-888-448-2505 Toll Free</p>	<p><b>JOB SITE ADDRESS:</b>                  SAME</p>	<p><b>CUSTOMER ADDRESS:</b>                  MATT CURTIS                  1973 LONG CORNER RD                  MT AIRY, MD 21771                  240-286-2710</p>	<p>James A. Koppenhaver, P.E.                  304 Logan Ave.                  Wyomissing, PA 19610                  484-794-9349                  info@koppenhaverpe.com</p>	<p>DATE: 8-12-15                  SHEET: POLE PLAN</p>
	<p>BUILDING SIZE: 30x40x14'-4"</p>		<p>DRAWN BY: HEIDI KLOCK                  CHECKED BY:</p>	<p>Job Number:                  CURTIS-1</p>



**TABLE-1**

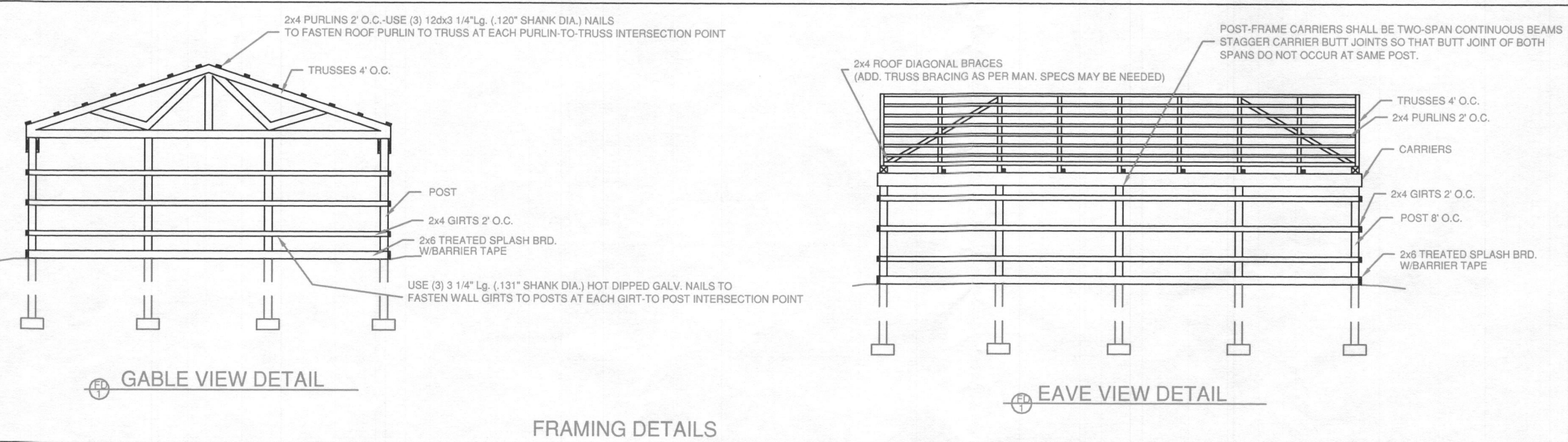
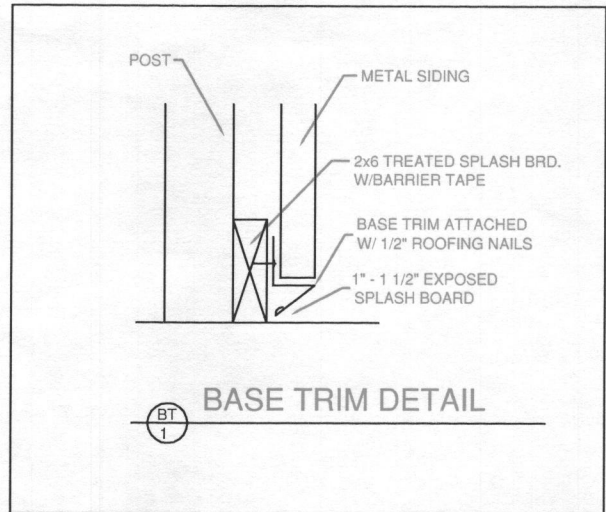
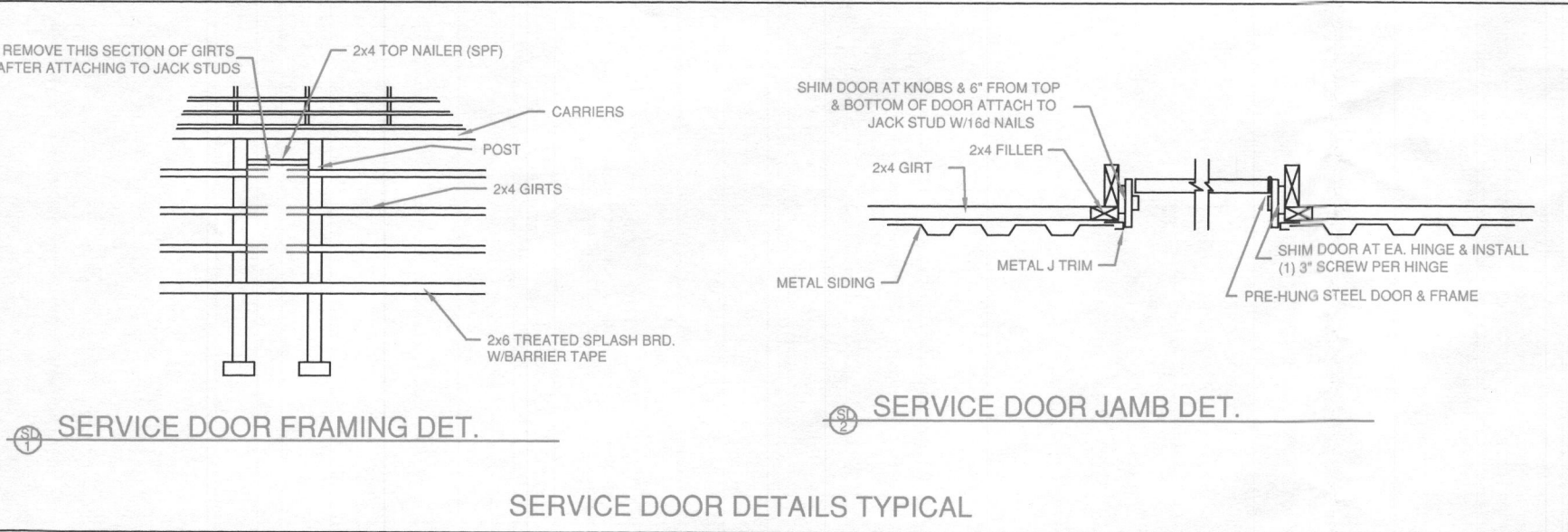
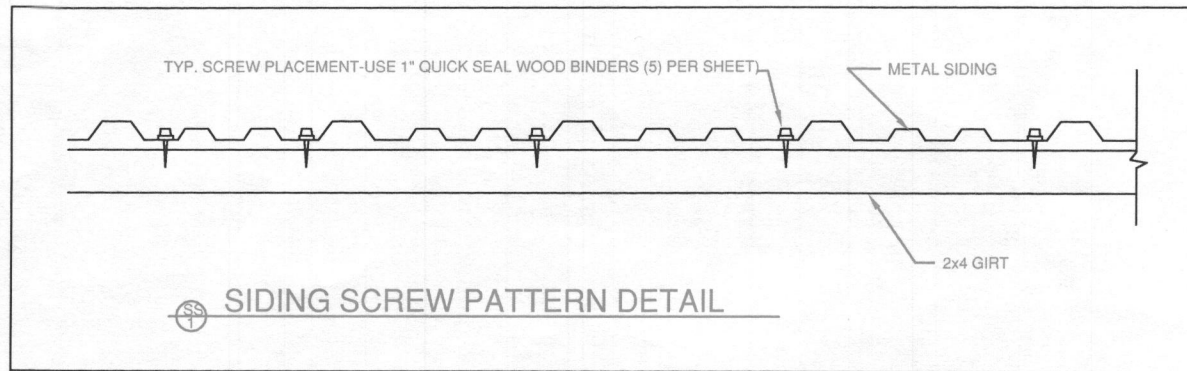
CARRIER SIZE	MIN. # OF NAILS	HOT DIPPED GALV. NAIL DESCRIPTION
2x8 #1 SYP	8	.121"Øx3 1/4" LONG (12d)
2x10 #1 SYP	10	.121"Øx3 1/4" LONG (12d)
2x12 #1 SYP	12	.121"Øx3 1/4" LONG (12d)
1 1/2"x11 1/4" LVL	14	.131"Øx3 1/2" LONG
1 1/2"x14" LVL	16	.131"Øx3 1/2" LONG
1 1/2"x16" LVL	18	.131"Øx3 1/2" LONG

\*PROPERLY SPACE NAILS TO AVOID WOOD SPLITTING

ROOF DETAILS TYP.

ALL RIGHTS RESERVED BY PIONEER POLE BUILDINGS, INC. NOT TO BE COPIED OR REPRODUCED WITHOUT WRITTEN PERMISSION.

<b>PPB. Inc.</b> Pioneer Pole Buildings, Inc. 716 South Rt. 183 Schuylkill Haven, PA 17972 1-888-448-2505 Toll Free	<b>JOB SITE ADDRESS:</b> SAME	<b>CUSTOMER ADDRESS:</b> MATT CURTIS 1973 LONG CORNER RD MT AIRY, MD 21771 240-286-2710	James A. Koppenhaver, P.E. 304 Logan Ave. Wyomissing, PA 19610 484-794-9949 info@koppenhaverpe.com	DATE: 8-12-15 SHEET: DETAILS-1
	BUILDING SIZE: 30x40x14'-4"		DRAWN BY: HEIDI KLOCK CHECKED BY:	Job Number: CURTIS-1



ALL RIGHTS RESERVED BY PIONEER POLE BUILDINGS, INC. NOT TO BE COPIED OR REPRODUCED WITHOUT WRITTEN PERMISSION.

**PPB. Inc.**  
 Pioneer Pole Buildings, Inc.  
 716 South Rt. 183  
 Schuylkill Haven, PA 17972  
 1-888-448-2505 Toll Free

**JOB SITE ADDRESS:**  
 SAME

**CUSTOMER ADDRESS:**  
 MATT CURTIS  
 1973 LONG CORNER RD  
 MT AIRY, MD 21771  
 240-286-2710

James A. Koppenhaver, P.E. 304 Logan Ave. Wyomissing, PA 19610 484-794-9949 info@koppenhaverpe.com	DATE: 8-12-15
BUILDING SIZE: 30x40x14'-4"	SHEET: DETAILS-2
DRAWN BY: HEIDI KLOCK	Job Number: CURTIS-1
CHECKED BY:	

General Notes:

Foundations:

- A. Bottom of all exterior footings shall be minimum of 3'-0" below finished grade. Minimum size 10" high x 24" round or as noted.
- B. Assumed design soil bearing pressure = 2,000 PSF U.N.O.
- C. Minimum concrete footing strength to be 3,500 PSI at 28 days.

Metal Cladding:

- A. Steel siding and roofing panels shall be fabricated from 27 # 28 gauge, grade e 180 KSI structural quality steel conforming to ASTM A-446 with a hot dipped galvanized coating conforming to ASTM A-525 or with an aluminum-zinc alloy coating conforming to ASTM A-792 (plain products only).
- B. Paint Finish: All panels when required shall receive a factory applied polyester coating conforming to the manufacturer's specifications.
- C. Flashings: All flashings shall be shop fabricated from material that is the same gauge and finish as the wall/roof panels to which they are attached.
- D. Closures: Shall be pre-molded neoprene to match the configuration of the wall/roof panel and shall be in lengths as supplied by the panel manufacturer.
- E. Fasteners: All screw fasteners shall have a combination steel and neoprene washer. Nails shall have a Fabriseal washer or equivalent. Fastener selection and installation shall be as recommended by the cladding manufacturer.

Wood Trusses:

- A. Trusses are to be designed and fabricated in accordance with the published standards of the National Forest Products Association and the Truss Plate Institute's "Design Specifications for Light, Metal Plate Connected Wood Trusses" (TPI-XX) Latest Edition.
- B. The web configuration plate sizes, chord sizes and lateral bracing shall be designed by a licensed professional engineer. The truss manufacturer shall provide the contractor with shop drawings of each truss design bearing the engineers seal. Shop drawings shall be approved by the contractor before fabrication.
- C. All trusses shall be designed for the loading, spacing and geometry shown on the plan.
- D. The contractor shall install the bracing of the wood trusses in accordance with the manufacturer's design. Minimum lateral bracing of web and bottom chord members shall be as required by truss design.

Lumber:

- A. All lumber shall comply to the requirements of the American Institute of Timber Construction and the National Forest Products Association's "National Design Specification for Wood Construction".
- B. All lumber for posts and beams shall be #2 or better southern yellow pine grade stamped by a SPIB approved mill, surfaced at a maximum moisture content of 19% treated .6 pcf ACQ, .23 pcf MCA or equal.
- C. All lumber for headers shall be MSR grade stamped by a SPIB approved mill, surfaced at a maximum moisture content of 19%.
- D. All lumber exposed to ground contact or insect infestation shall be treated according to the American Wood preservers' Association Standards, .6 pcf ACQ, .15 pcf MCA or equal.

Connections:

- A. All wood connection to be made according to the "National Design Specification for Wood Construction". The minimum connection to be two 12 penny nails. Other connection as per plan or as controlled by standard construction practices.
- B. It is acceptable for 2x4 wind girt spacing to vary from 18" to 30", when the span of the girt is 10' or less. Horizontal spacing of fasteners for the metal wall panels shall be in accordance with the panel manufacturer's instructions. The wind girt spacing up to 30" conforms to the rigid diaphragm design for post frame walls.

Cautionary Notes:

1. Structural components such as posts, beams, trusses or fasteners and attachment brackets should NOT be modified, notched or cut in any manner without proper review and approval of the building design professional.
2. Rainwater and melt water should be directed away from post foundation locations.
3. On enclosed buildings with large doors (that is buildings designed as completely enclosed) the doors should be closed during periods high wind and/or stormy weather to reduce uplift forces on the building.
4. Do NOT lean heavy materials against posts or girts unless the building has been designed for those types of loads. Do NOT store loose material against walls unless building has been designed for side thrust loads and any moisture contained in the loose materials.
5. Do NOT use the roof trusses for storing material unless the building and roof trusses have been designed for those loads.
6. Concentrated loads such as ceiling-mounted furnaces, wet sprinkler systems, ventilation hoods, etc. SHALL NOT be attached to the roof trusses without the prior review and written approval of Pioneer Pole Buildings, Inc. and the building design professional.
7. Do NOT install hardware that would maintain snow cover on the roof of buildings.
8. Do NOT attach additional buildings or lean-to enclosed areas to pole barn buildings unless the building has been designed for the additional loads created by these building additions.
9. Door openings should NOT be added to the building walls after the building has been constructed without review and approval of the building design professional.

Misc. Notes:

These plans are designed in accordance with the 2012 IBC Construction Class VB

TRUSS CARRIERS USED TO BE EQUAL TO OR BETTER THAN 2x10 MSR  
MSR RATING = 2,400

BOLT HEADERS USING (2) 1/2" Ø CARRIAGE BOLTS  
LINER PANEL - CEILING  
CEILING LINER ACCESS DOOR  
COBRA RIDGE VENT

ALL RIGHTS RESERVED BY PIONEER POLE BUILDINGS, INC. NOT TO BE COPIED OR REPRODUCED WITHOUT WRITTEN PERMISSION.

<p>This structure is designed using the following loads:</p> <p><u>Roof Loads:</u> Live (psf) = 30 Dead (psf) = 10</p> <p><u>Truss Loads:</u> Top Chord Live (psf) = 30 Top Chord Dead (psf) = 5 Bottom Chord Live (psf) = 0 Bottom Chord Dead (psf) = 5</p>	<p>PPB, Inc. Pioneer Pole Buildings, Inc. 716 South Rt. 183 Schuylkill Haven, PA 17972 1-888-448-2505 Toll Free</p>	<p>James A. Koppenhaver, P.E. 304 Logan Ave. Wyomissing, PA 19610 484-794-9949 info@koppenhaverpe.com</p> <hr/> <p>GENERAL NOTES</p> <hr/> <p>JOB NUMBER: CURTIS-1</p>
--	---	--