

RECEIVED

OCT 08 2020

PERMIT NUMBER: B 20003614

DATE ACCEPTED:



RESIDENTIAL BUILDING PERMIT APPLICATION

HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES, AND PERMITS

3430 COURT HOUSE DRIVE, ELLICOTT CITY, MD 21043 - PHONE: (410) 313-2455 OPTION #4

BUILDING SITE ADDRESS REQUIRED

Street Address: 12401 Howard Lodge Dr
City: Sykesville
State: MD
Zip Code: 21784
Subdivision/Village/Complex Name:
SDP/WP/BA #:
Lot:
Tax Map: 9
Parcel: 219
Grading Permit #:

DESCRIPTION OF WORK REQUIRED

Existing Use:
Proposed Use: Pole Barn
Estimated Cost: \$ 20,000
Trade Work to Be Completed (Separate Permits Required):
Mechanical (HVAC)
Electrical
Plumbing
None

PROPERTY OWNER INFORMATION REQUIRED

Owner(s) Name(s) (As it appears on tax records): Mark E Mercier LISA A Mercier
Primary Residence: Yes
Owner's Street Address: 12401 Howard Lodge Dr
City: Sykesville
State: Maryland
Zip Code: 21784
Phone: 443 604 1236
Email: memercier@verizon.net

APPLICANT NAME REQUIRED - INDIVIDUAL WHO SIGNS THIS APPLICATION

Business Name:
Contact Name: Mark Mercier
Street Address: 12401 Howard Lodge Dr
City: Sykesville
State: MD
Zip Code: 21784
Phone: 443 604 1236
Email: memercier@verizon.net

CONTRACTOR INFORMATION REQUIRED

Business Name: Pioneer Pole Buildings Inc
Licensee's Name: PPB Inc
License #: MD 121132
Street Address: 716 South Rt 183
City: Shrewkill Haven
State: PA
Zip Code: 17972
Phone: 888 448 2505
Email: PATK@PPBI.COM

ARCHITECT/ENGINEER INFORMATION INDIVIDUAL WHO SIGNED PLANS, IF APPLICABLE

Business Name: MiTEK USA Inc
Name: Thomas J Albani
Street Address: 6904 Park East Blvd
City: Tampa FL
State: FL
Zip Code: 33610
Phone:
Email:

BUILDING CHARACTERISTICS REQUIRED

Primary Structure: SF Dwelling SF Townhouse SF Duplex Mobile Home Multi-Family Dwelling (MF\*)
Condo: Yes No
Utilities: Electric Gas Water Supply: Public Private (Well) Sewage Disposal: Public Private (Septic)
Heating System: Electric Natural Gas Propane Other: Roadside Tree Project: No Yes: #
Sprinkler System: NFPA 13 NFPA 13R NFPA 13D None Fire Alarm System: Yes No Voice Evac

ADDITIONAL RESIDENTIAL INFORMATION (PLEASE SELECT/COMPLETE ALL THAT APPLY)

Model Name & Options:
# of Bedrooms (SF): # of efficiency units (MF\*): # of 1 BR (MF\*): # of 2 BR (MF\*): # of 3 BR (MF\*):
# Rooms: # Full Baths: # Half Baths: # Fireplaces:
Garage/Carport Info: Attached Garage Detached Garage Integral Garage Carport None
Basement/Foundation Info: Slab on Grade Post & Pier Unfinished Basement Finished Basement: Full or Partial
1st Fl Width: 1st Fl Depth: 2nd Fl Width: 2nd Fl Depth: Bsmt Width: Bsmt Depth:
Energy Method: Prescriptive Performance UA Alternative ERI Gross Area: sq ft Occupiable Area: sq ft

AGREEMENT/ DISCALIMER REQUIRED

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; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

APPLICANT'S ORIGINAL SIGNATURE DATE SIGNED 10/08/2020

FOR OFFICE USE ONLY CHECKS PAYABLE TO: DIRECTOR OF FINANCE OF HOWARD COUNTY

AGENCIES REQUIRED/APPROVALS:

PR DPZ DED Health 12/22/2020 SHA CID

SUBMITTAL FEES: PAYMENT: ACCEPTED BY:



Approved  
RJE  
B20003614  
12/22/2020

RECEIVED  
OCT 21 2020  
LICENSES & PERMITS  
DIVISION

SURVEY  
OF  
**MERCIER PROPERTY**  
12401 HOWARD LODGE DRIVE  
3RD ELECTION DISTRICT, HOWARD CO. MD  
TAX MAP: 9, GRID: 12, PARCEL: 219

□=STAKE SET ON PROPERTY LINE AUGUST 20, 2020.

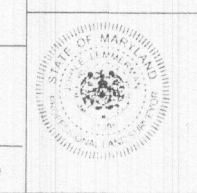
NOTE:  
THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE REPORT.

NOTE:  
A LICENSEE EITHER PERSONALLY PREPARED THIS BOUNDARY SURVEY OR WAS IN RESPONSIBLE CHARGE OVER ITS PREPARATION AND THE SURVEY WORK REFLECTED IN IT IN COMPLIANCE WITH REQUIREMENTS SET FORTH IN §20-13.06.12 OF THE ANNOTATED CODE OF MARYLAND.

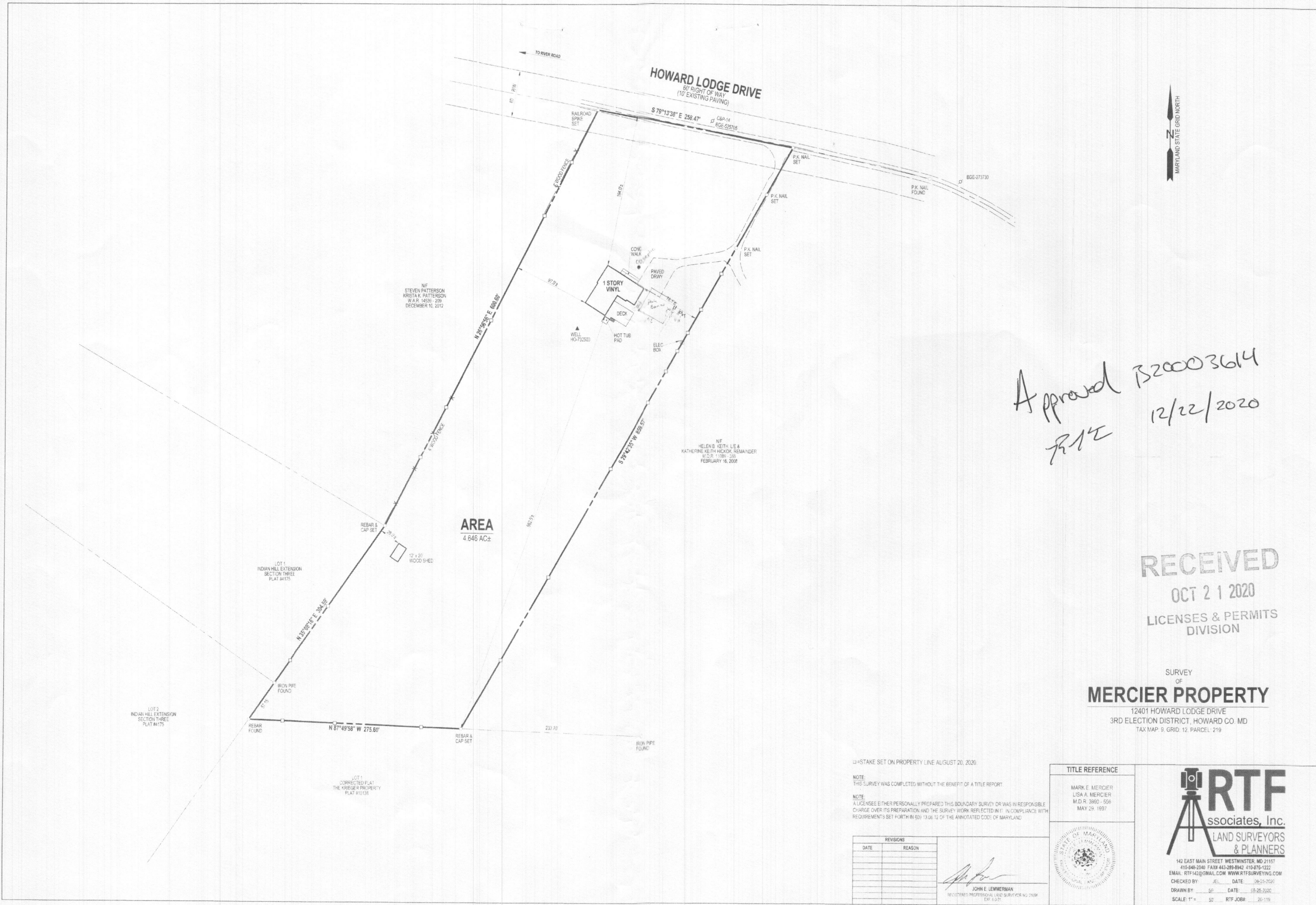
REVISIONS	
DATE	REASON

*John E. Lemmerman*  
JOHN E. LEMMERMAN  
REGISTERED PROFESSIONAL LAND SURVEYOR NO. 2108  
EXP. 5-31

TITLE REFERENCE  
MARK E. MERCIER  
LISA A. MERCIER  
M.D.R. 3690 - 556  
MAY 29, 1997



142 EAST MAIN STREET WESTMINSTER, MD 21157  
410-848-2040 FAX# 443-289-8942 410-875-1222  
EMAIL: RTF142@GMAIL.COM WWW.RTFSURVEYING.COM  
CHECKED BY: JEL DATE: 08-25-2020  
DRAWN BY: SE DATE: 08-25-2020  
SCALE: 1" = 50' RTF JOB#: 20-119



NF STEVEN PATTERSON  
KRISTA K. PATTERSON  
W.A.P. 4028 - 204  
DECEMBER 10, 2012

NF HELEN B. KEITH, LIE &  
KATHERINE KEITH HICKOK, REMAINDER  
M.C.R. 1198 - 336  
FEBRUARY 16, 2008

AREA  
4.646 AC±

LOT 1  
INDIAN HILL EXTENSION  
SECTION THREE  
PLAT #4175

LOT 2  
INDIAN HILL EXTENSION  
SECTION THREE  
PLAT #4175

LOT 1  
CORRECTED PLAT  
THE KRIEGER PROPERTY  
PLAT #10138



B20003614  
Approved 12/22/2020  
RAE

**MiTek USA, Inc.**  
6904 Parke East Blvd.  
Tampa, FL 33610-4115

Re: 20030596B  
30' Stock - MD

Professional Certification. I hereby certify that The truss drawing(s) referenced below have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by UFP-Gordon, PA. and that I am a duly licensed professional engineer under the laws of the state of Maryland.

My license renewal date for the state of Maryland is May 17, 2020.

Pages or sheets covered by this seal: T19605357 thru T19605357

I certify that this document was prepared or approved by me, and I am a licensed professional engineer under the laws of the State of Maryland. Lic. No. 21977, Expiration Date: 5/17/20.



March 5, 2020

Albani, Thomas

**IMPORTANT NOTE:** The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

Job 20030596B	Truss T30-2018	Truss Type FINK	Qty 1	Ply 1	30' Stock - MD 30' Stock Truss Job Reference (optional)	T19605357
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Universal Forest Products (Gordon, PA), Gordon, PA - 17936, 8,330 s Feb 13 2020 MiTek Industries, Inc. Thu Mar 5 09:34:17 2020 Page 1

ID:kwZGdaSQ04IVacs2rouppg9yURI-R8UnMbwAuRGGFPahN9ACwXgNmid9Ymh5szyzi2ze064

0-10-8 8-2-3 15-0-0 21-9-13 30-0-0 30-10-8  
0-10-8 8-2-3 6-9-13 6-9-13 8-2-3 0-10-8

Scale = 1:52.6

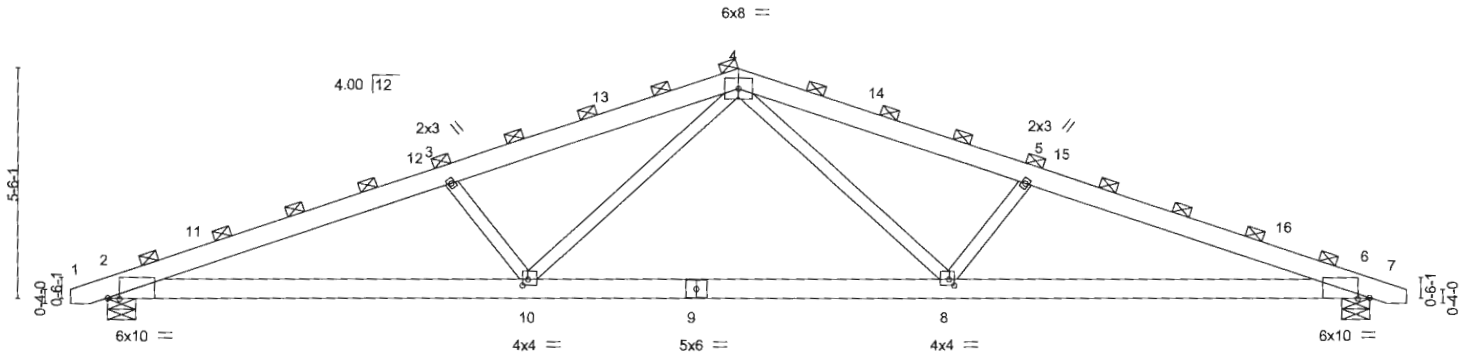


Plate Offsets (X,Y)--	[2:0-3-6,Edge], [6:0-3-6,Edge], [8:0-1-8,0-1-12], [10:0-1-8,0-1-12]
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<b>LOADING</b> (psf)		<b>SPACING-</b>	4-0-0	<b>CSI.</b>		<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	-0.32 8-10	>999	240	MT20	197/144
Snow (Ps/Pg)	31.5/40.0	Lumber DOL	1.15	BC	0.97	Vert(CT)	-0.45 8-10	>780	180		
TCDL	5.0	Rep Stress Incr	NO	WB	0.45	Horz(CT)	0.13 6	n/a	n/a		
BCLL	0.0	Code IBC2018/TPI2014		Matrix-R							
BCDL	5.0									Weight: 171 lb	FT = 4%

**LUMBER-**

TOP CHORD 2x6 SP No.1  
BOT CHORD 2x6 SP No.1  
WEBS 2x4 SPF No.2

**BRACING-**

TOP CHORD 2-0-0 oc purlins (2-0-2 max.).  
BOT CHORD Rigid ceiling directly applied or 6-0-8 oc bracing.

**REACTIONS.**

(size) 2=0-8-0, 6=0-8-0  
Max Horz 2=104(LC 14)  
Max Uplift 2=454(LC 9), 6=454(LC 10)  
Max Grav 2=2586(LC 20), 6=2586(LC 21)

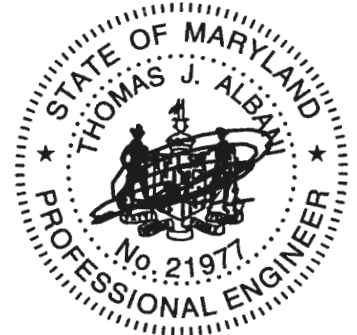
**FORCES.**

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-5841/1892, 3-4=-5084/1773, 4-5=-5084/1773, 5-6=-5841/1892  
BOT CHORD 2-10=-1628/5355, 8-10=-1044/3629, 6-8=-1628/5355  
WEBS 3-10=-1338/496, 4-10=-415/1848, 4-8=-415/1848, 5-8=-1338/496

**NOTES-**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -0-7-13 to 2-4-3, Interior(1) 2-4-3 to 12-0-0, Exterior(2R) 12-0-0 to 18-0-0, Interior(1) 18-0-0 to 27-7-13, Exterior(2E) 27-7-13 to 30-7-13 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
- TCLL: ASCE 7-16; Pr=30.0 psf (roof LL; Lum DOL=1.15 Plate DOL=1.15); Pg=40.0 psf; Ps=31.5 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=0.94; Ct=1.20; 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=ib) 2=454, 6=454.
- This truss is designed in accordance with the 2018 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.

I certify that this document was prepared or approved by me, and I am a licensed professional engineer under the laws of the State of Maryland. Lic. No. 21977, Expiration Date: 5/17/20.



March 5, 2020

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.**

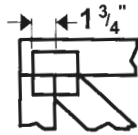
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



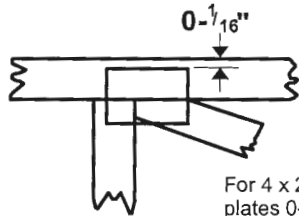
6904 Parke East Blvd.  
Tampa, FL 36610

## Symbols

### PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.



This symbol indicates the required direction of slots in connector plates.

\* Plate location details available in MiTek 20/20 software or upon request.

### PLATE SIZE

4 x 4

The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

### LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

### BEARING

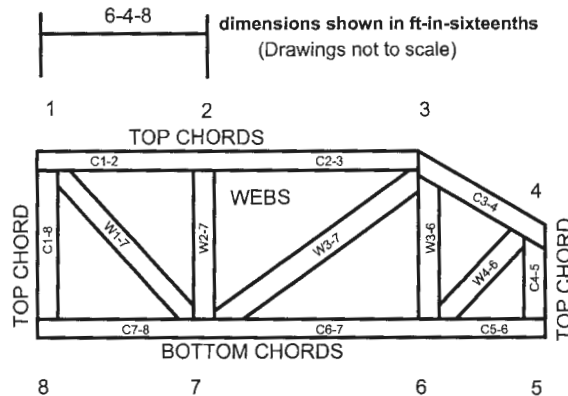


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

### Industry Standards:

- ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.  
 DSB-89: Design Standard for Bracing.  
 BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

## Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

### PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988  
 ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

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**MiTek**  
**MiTek**

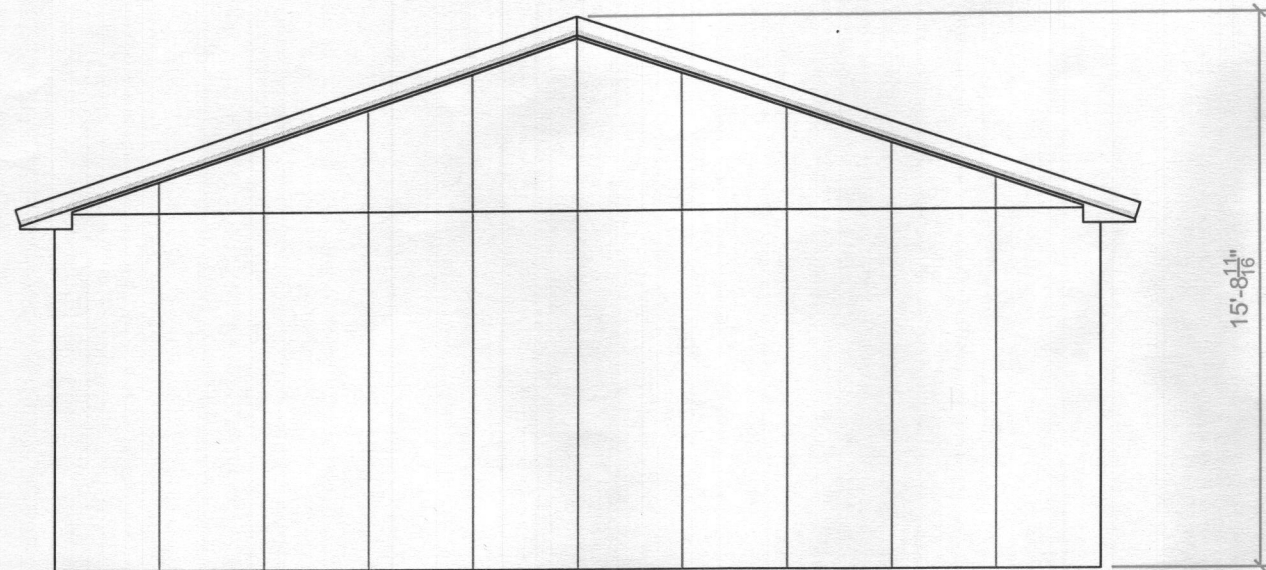
MiTek Engineering Reference Sheet: MII-7473 rev. 10/03/2015



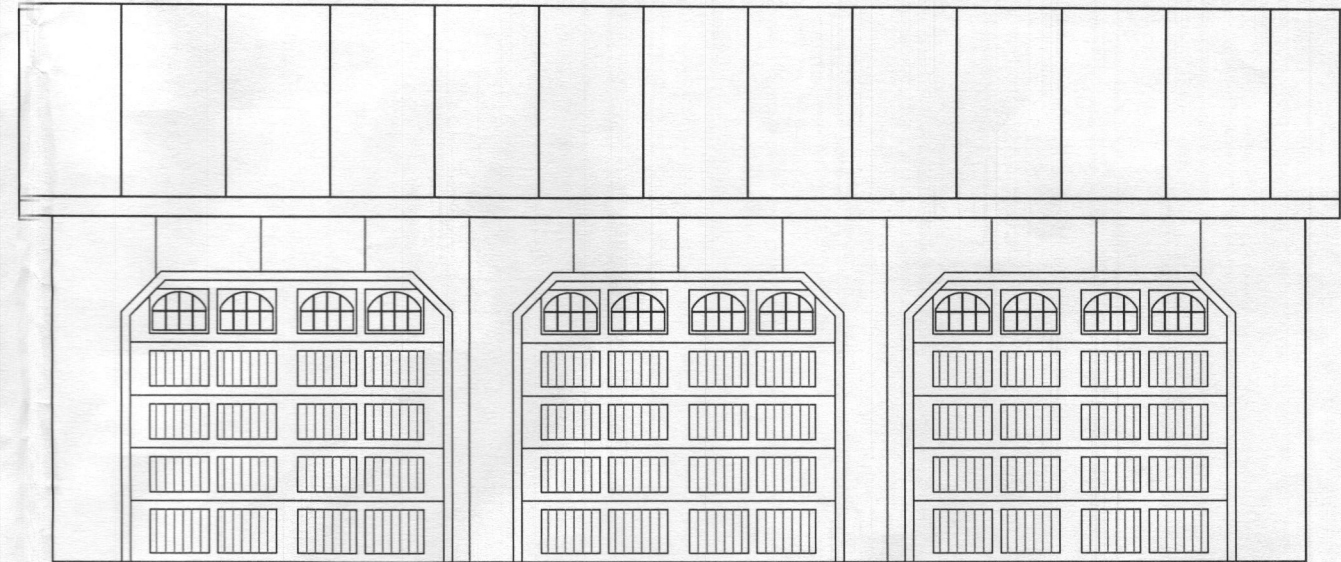
## General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

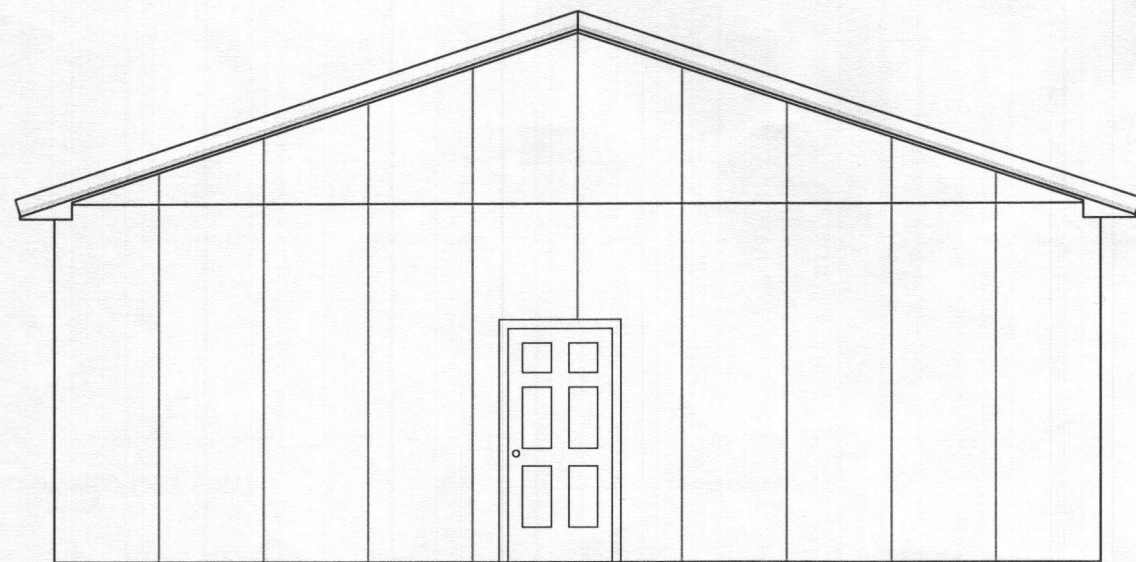
- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
- Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- Cut members to bear tightly against each other.
- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
- Connections not shown are the responsibility of others.
- Do not cut or alter truss member or plate without prior approval of an engineer.
- Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.



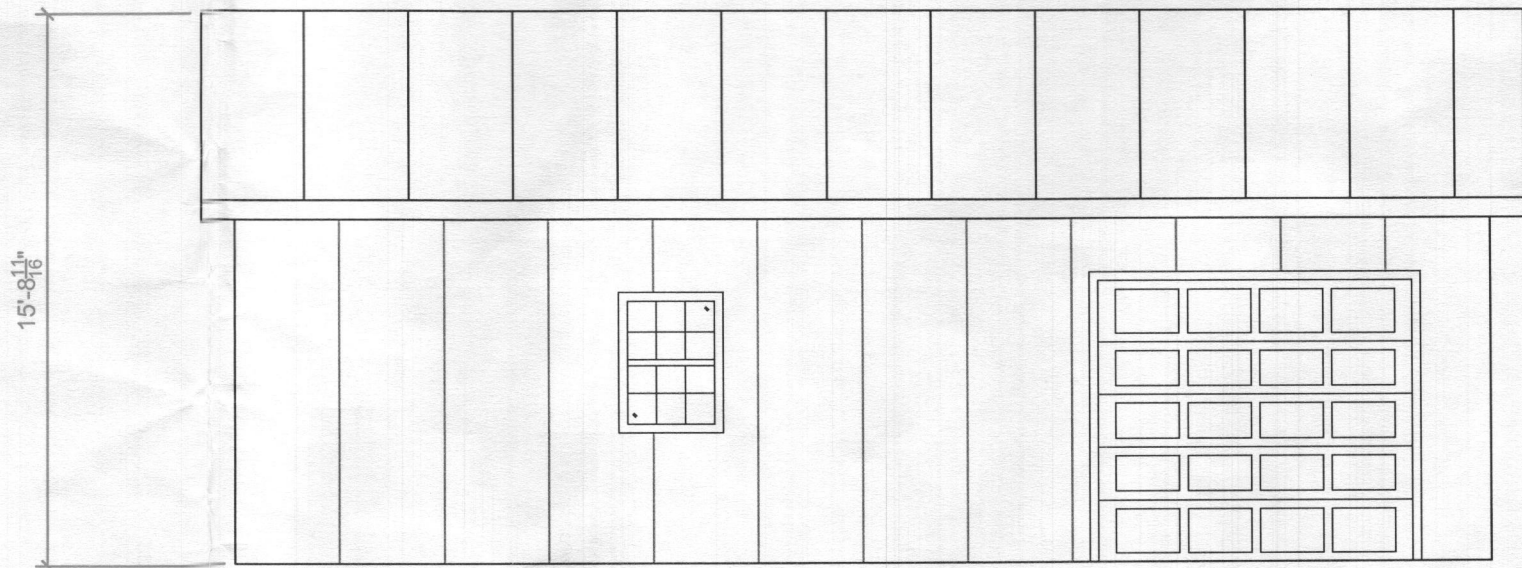
GABLE # 1



EAVE # 1



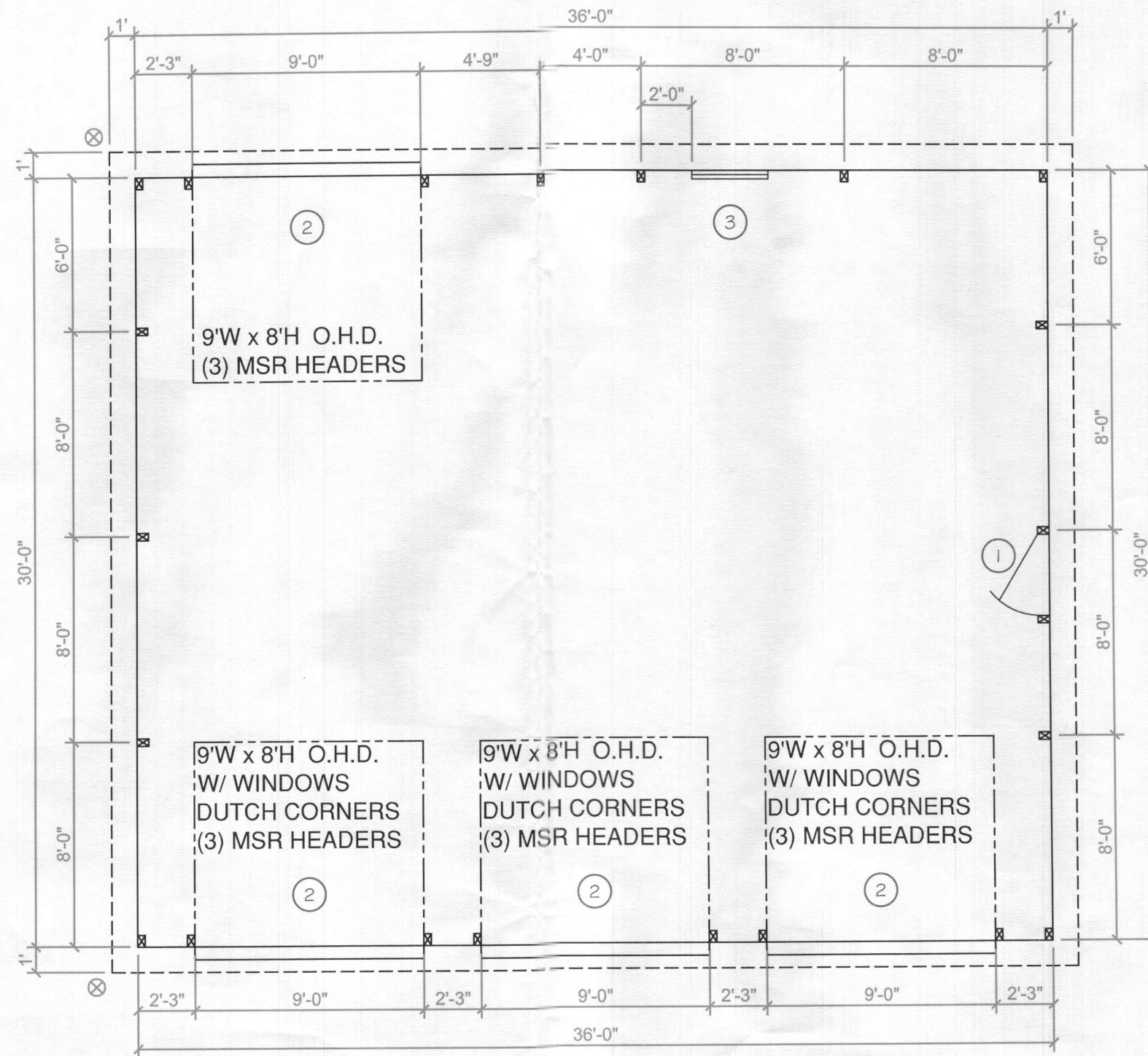
GABLE # 2



EAVE # 2

Revisions:

<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>                  12401 HOWARD LODGE DR                  SYKESVILLE, MD 21784</p>	<p><b>CUSTOMER ADDRESS:</b>                  MARK MERCIER                  12401 HOWARD LODGE DR                  SYKESVILLE, MD 21784                  H (410) 925-9307                  C (443) 604-1236</p>	<p>DATE:                  10/2/2020</p>
			<p>SHEET:                  Elevations</p>
<p>BUILDING SIZE: 30x36x10'-5"</p>			<p>DRAWN BY:                  Art Gilmore</p>
<p>CHECKED BY:</p>			<p>Job Number:  <b>MERCIER-001</b></p>



WINDOW & DOOR SCHEDULE

SYM	TYPE OF WINDOW / DOOR	NOMIN.	R.O.
①	3068 ENTRY DOOR	3' x 6' 8"	38" x 82½"
②	9W x 8H O.H.D.	9' x 8'	9'-0" x 8'-4"
③	3W x 4H SH Window W/ Grds	3' x 4'	3' x 4'

⊗ GUTTER LOCATION

Revisions:

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

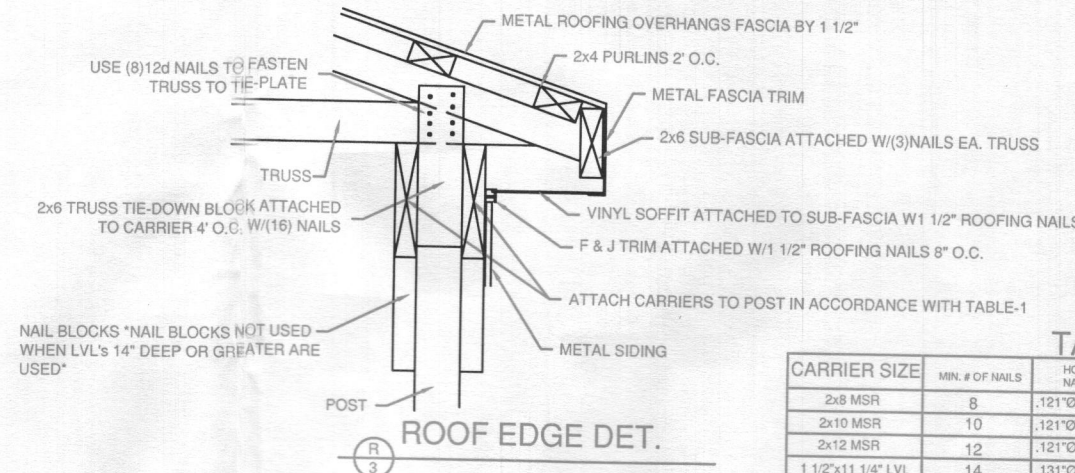
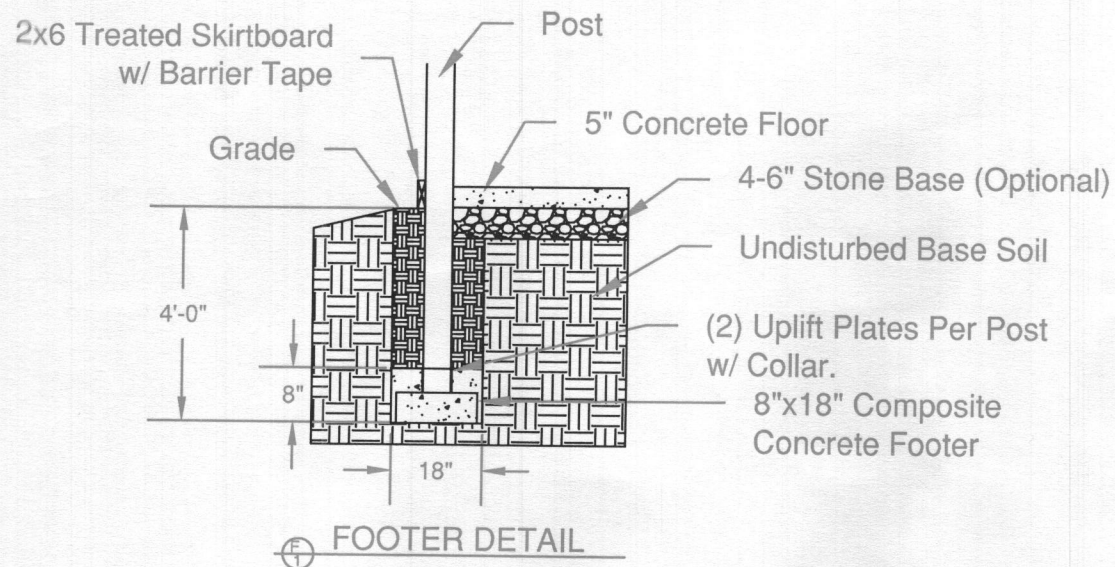
**JOB SITE ADDRESS:**  
 12401 HOWARD LODGE DR  
 SYKESVILLE, MD 21784

**CUSTOMER ADDRESS:**  
 MARK MERCIER  
 12401 HOWARD LODGE DR  
 SYKESVILLE, MD 21784  
 H (410) 925-9307  
 C (443) 604-1236

DATE: 10/2/2020  
 SHEET: POLE PLAN

BUILDING SIZE: 30x36x10'-5"

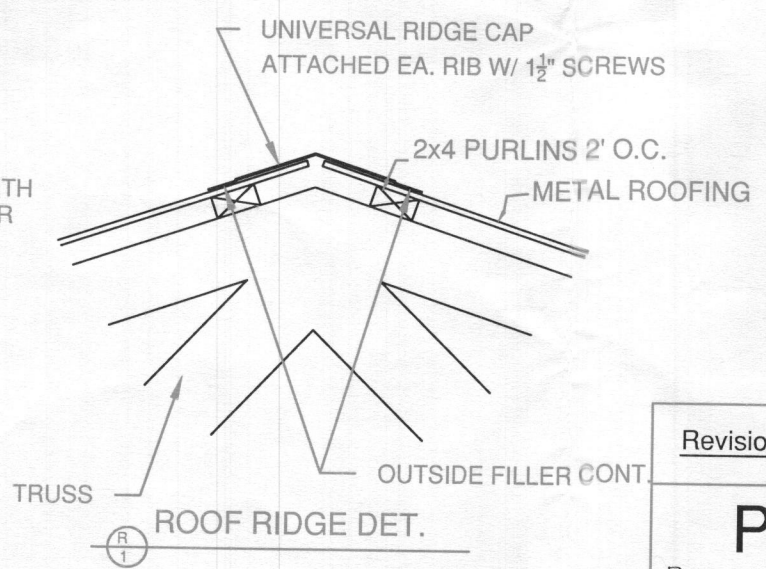
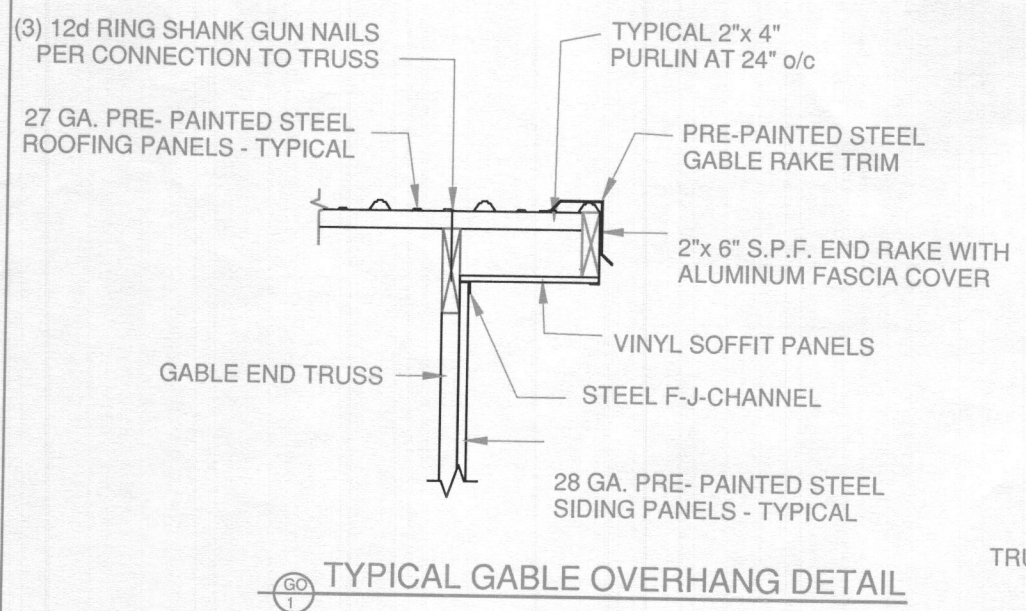
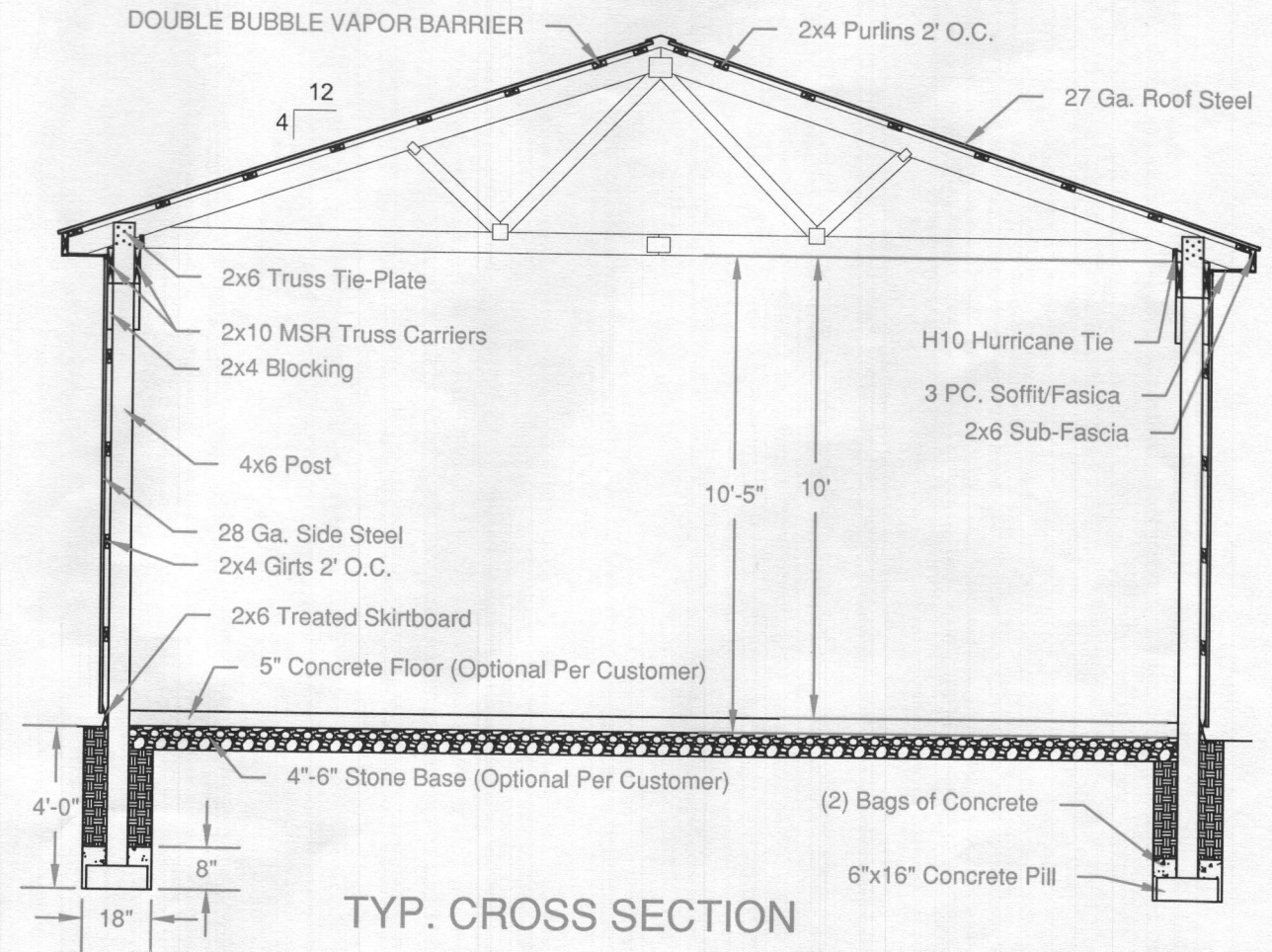
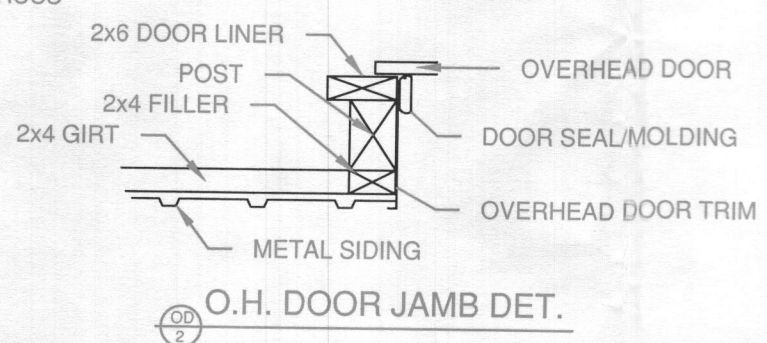
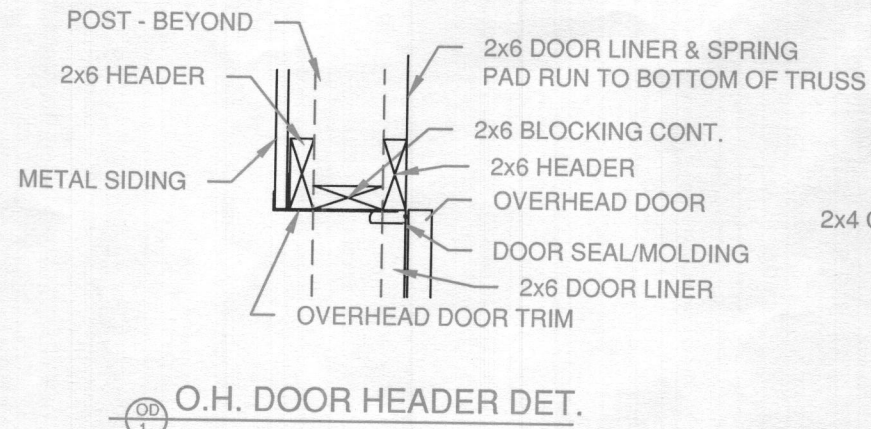
DRAWN BY: Art Gilmore  
 CHECKED BY: **MERCIER-001**  
 Job Number:



**TABLE-1**

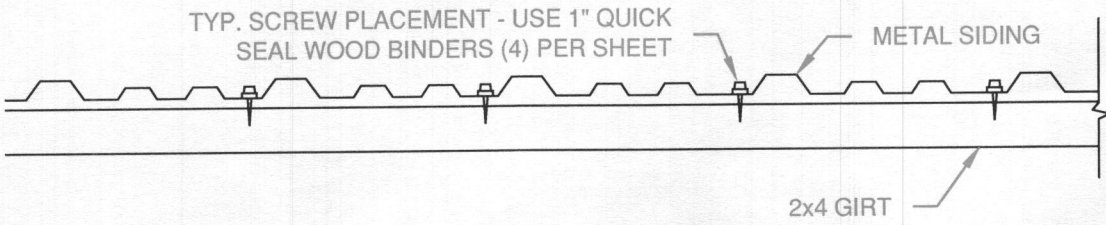
CARRIER SIZE	MIN. # OF NAILS	HOT DIPPED GALV. NAIL DESCRIPTION
2x8 MSR	8	.121"Øx3 1/4" LONG (12d)
2x10 MSR	10	.121"Øx3 1/4" LONG (12d)
2x12 MSR	12	.121"Øx3 1/4" LONG (12d)
1 1/2"x11 1/4" LVL	14	.131"Øx3 1/2" LONG
1 1/2"x14" LVL	16	.131"Øx3 1/2" LONG
1 1/2"x16" LVL	18	.131"Øx3 1/2" LONG

\*PROPERLY SPACE NAILS TO AVOID WOOD SPLITTING

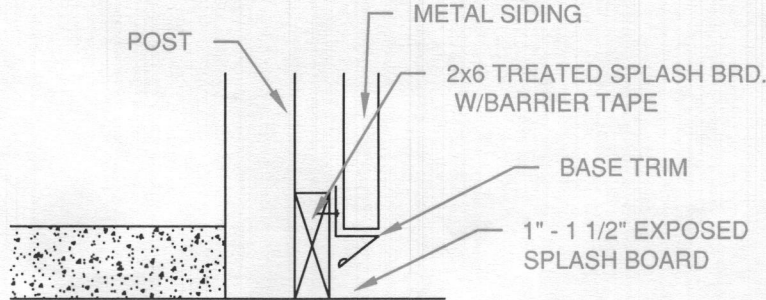


**Revisions:**

<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> 12401 HOWARD LODGE DR SYKESVILLE, MD 21784	<b>CUSTOMER ADDRESS:</b> MARK MERCIER 12401 HOWARD LODGE DR SYKESVILLE, MD 21784 H (410) 925-9307 C (443) 604-1236	DATE: 10/2/2020
			SHEET: Detail A
BUILDING SIZE: 30x36x10'-5"			Job Number: <b>MERCIER-001</b>
DRAWN BY: Art Gilmore		CHECKED BY:	

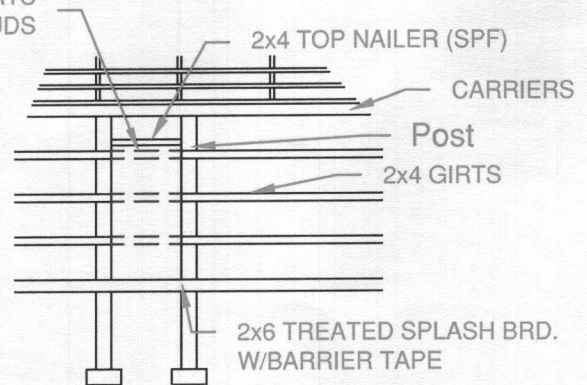


SS SIDING SCREW PATTERN DETAIL



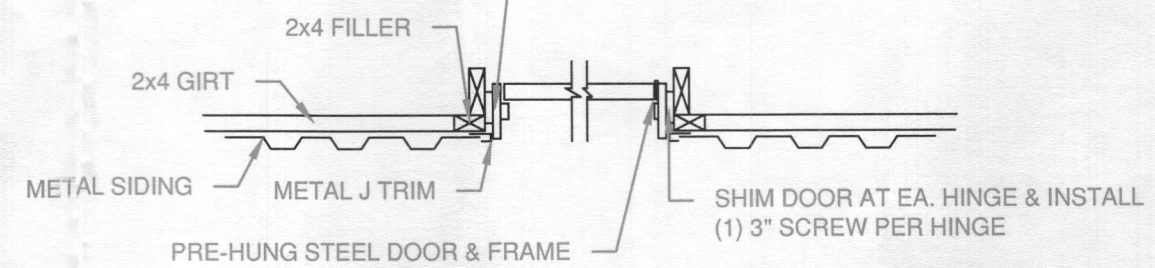
BT 1 BASE TRIM DETAIL

REMOVE THIS SECTION OF GIRTS AFTER ATTACHING TO JACK STUDS



SS 2 SERVICE DOOR FRAMING DET.

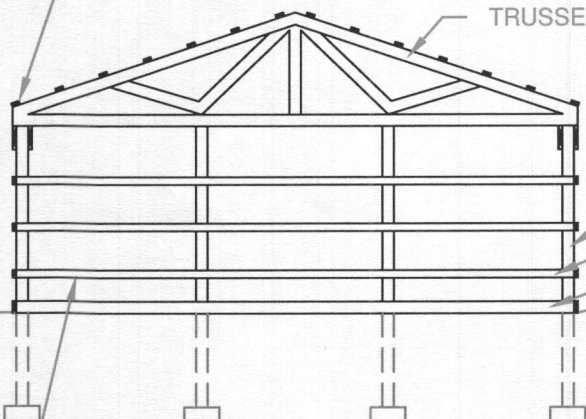
SHIM DOOR AT KNOBS & 6\"/>



SS 2 SERVICE DOOR JAMB DET.

2x4 PURLINS 2' O.C. - USE (3) 12dx3 1/4\"/>

TRUSSES 4' O.C.

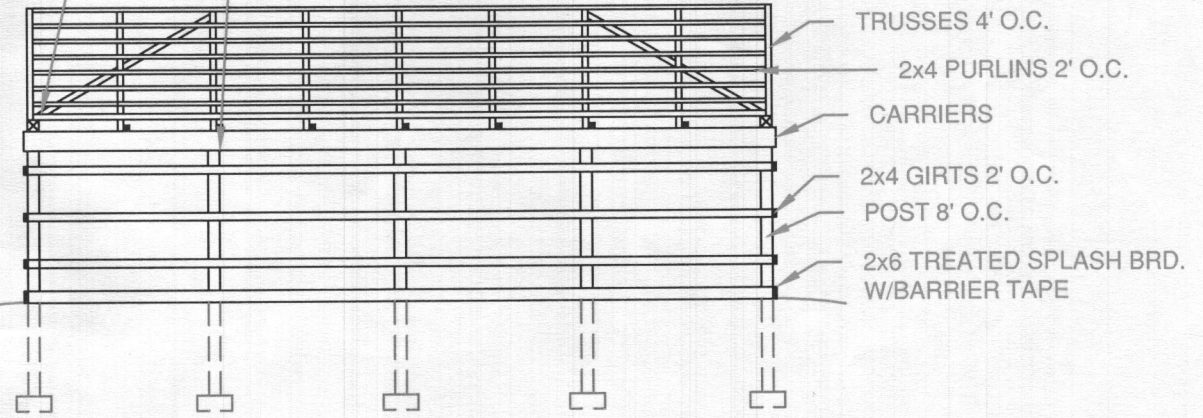


USE (3) 12dx3-1/4\"/>

G GABLE VIEW DETAIL

2x4 ROOF DIAGONAL BRACES (ADD. TRUSS BRACING AS PER MAN. SPECS MAY BE NEEDED)

POST FRAME CARRIERS SHALL BE TWO-SPAN CONTINUOUS BEAMS STAGGER CARRIER BUTT JOINTS SO THAT BUTT JOINT OF BOTH SPANS DO NOT OCCUR AT SAME POST.



FL 1 EAVE VIEW DETAIL

Revisions:

<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> 12401 HOWARD LODGE DR SYKESVILLE, MD 21784</p>	<p><b>CUSTOMER ADDRESS:</b> MARK MERCIER 12401 HOWARD LODGE DR SYKESVILLE, MD 21784 H (410) 925-9307 C (443) 604-1236</p>	DATE: 10/2/2020
			SHEET: Detail B
BUILDING SIZE: 30x36x10'-5"			DRAWN BY: Art Gilmore
CHECKED BY:			Job Number: MERCIER-001

**General Notes:**

Foundations:

- A. Bottom of all exterior footings shall be minimum of 4'-0" below finished grade. Minimum size 8" high x 18" 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 2018 IBC Construction Class VB

TRUSS CARRIERS USED TO BE EQUAL TO OR BETTER THAN 2x10 MSR (3) MSR HEADERS @ O.H.D.

- 1' OVERHANG ALL WALLS
- DUTCH CORNERS
- DOUBLE BUBBLE VAPOR BARRIER ROOF ONLY
- GUTTER W/ DOWNSPOUTS
- HURRICANE TIES USED = RT16A (USP CONNECTORS)
- COBRA RIDGE VENT
- IBC USE GROUP UTILITY

MERCIER 364701-006	
MSR Header Calculations	
MAIN BUILDING - 30'-0" SPAN	
30	Building Width (ft)
1	Overhang (ft)
16	Effective Bearing Width in Feet = (1/2BW)+OH
40	Loading (lbs)
640	Effective loading (plf)
Double Header Calculation	
8	Pole spacing (ft)
9.25	Header Depth (in)
3	Double Header Width (in)
6.875	Beam Depth (in)
3	Beam Width (in)
679	Beam Rating (plf)
914	Adjusted Header Rating (plf)
PASS	Double MSR 2400F-2.0E Header
Triple Header Calculation	
9	Pole spacing (ft)
9.25	Header Depth (in)
4.5	Triple Header Width (in)
6.875	Beam Depth (in)
5	Beam Width (in)
895	Beam Rating (plf)
1084	Adjusted Header Rating (plf)
PASS	Triple MSR 2400F-2.0E Header

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Revisions:

This structure is designed using the following loads:  
**Ground Snow Load:**  
 40 psf  
**Truss Loads:**  
 Top Chord Live (psf) = 30  
 Top Chord Dead (psf) = 5  
 Bottom Chord Live (psf) = 0  
 Bottom Chord Dead (psf) = 5

**PPB. Inc.**  
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 1-888-448-2505 Toll Free

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 12401 HOWARD LODGE DR  
 SYKESVILLE, MD 21784

**CUSTOMER ADDRESS:**  
 MARK MERCIER  
 12401 HOWARD LODGE DR  
 SYKESVILLE, MD 21784  
 H (410) 925-9307  
 C (443) 604-1236

DATE: 10/2/2020  
 SHEET: Notes  
 BUILDING SIZE: 30x36x10'-5"  
 DRAWN BY: Art Gilmore  
 CHECKED BY: MERCIER-001  
 Job Number:



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

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December 18, 2020

Mark Mercier  
12401 Howard Lodge Road  
Sykesville, MD 21784

**RE: Waiver Approval**  
12401 Howard Lodge Road  
Sykesville, MD 21784

Dear Mr. Mercier:

This letter is being issued in response to your waiver request. This agency has **approved** the waiver to the required Percolation Certification Plan as required by the *Howard County Code, Subtitle 8, Section 3.805*. While there is no Perc Certification Plan on file for this property, the proposed thirty (30) by thirty-six (36) detached pole barn without plumbing falls within the one hundred (100) foot setback from the existing well (HO-73-2523) and does not impact the area available for on-site future sewage disposal system repair. 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 cursive script that reads 'Michael J. Davis'.

Michael J. Davis  
Assistant Director  
Bureau of Environmental Health

SITE INSPECTION SHEET

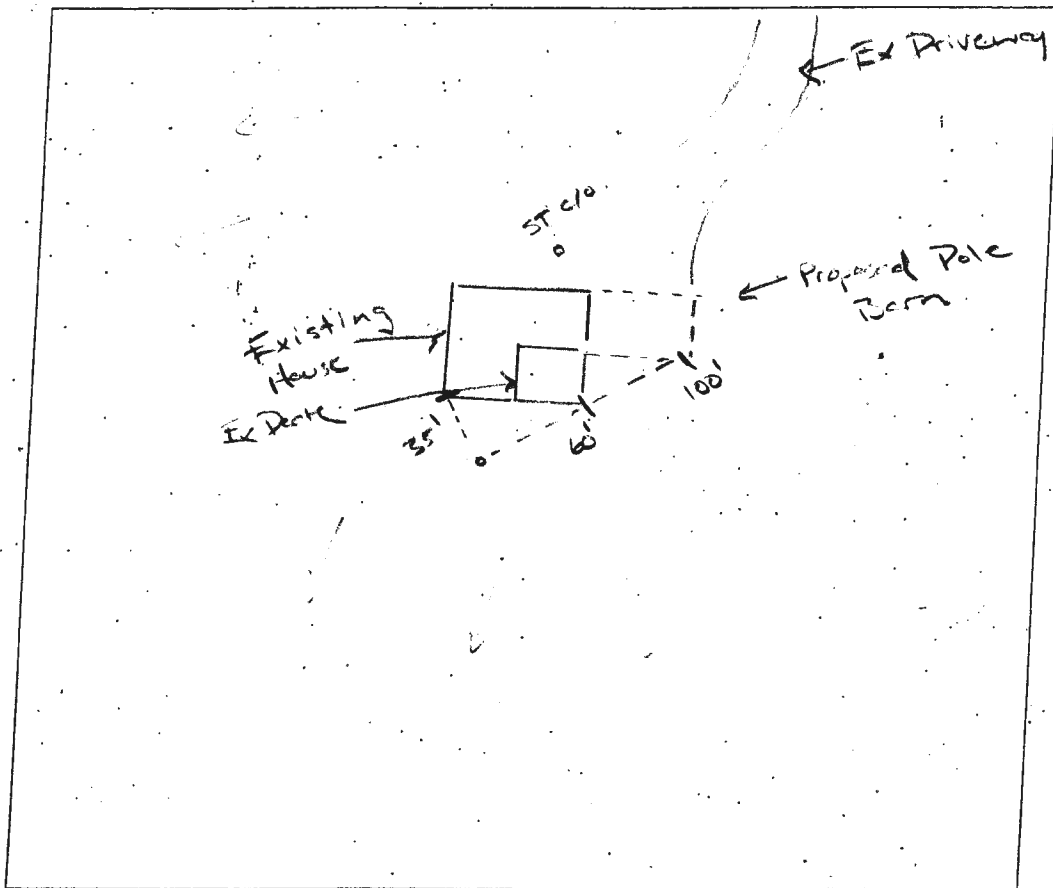
OWNER: Mark E. Mesinger PHONE #: 443 604 1236

ADDRESS: 12401 Howard Lodge Rd CONTRACTOR: \_\_\_\_\_  
Sykesville, MD WELL TAG #: 140-73-2523

SUBDIVISION: N/A LOT: N/A COUNTY #: Howard

PROPOSAL: B20002614 - Proposing a 30' x 36' detached pole barn.  
Asking for waiver to perc cert requirement.

LOCATION DIAGRAM



COMMENTS: No signs of septic failure from surface. C/o  
to septic tank covered. Owner showed where it is  
and it matches the as built. Well appears to be in  
good condition. Secure 1 piece of wood with tag number  
140-73-2523. Well has been GPS located.

DATE: 12/2/2020 INSPECTOR: RSF

Waiver Request Letter

To the attention of Deputy Director

Mr. Mike Davis

Mr. Davis,

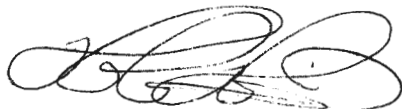
I am writting this letter asking for a waiver of the pert cert requirement for building permit B20003614 located at 12401 Howard Lodge Dr. Sykesville Md. 21784. The permit is for a pole barn garage on the side of my house. The reasons for my request for the waiver are as follows:

The garage is within 100 ft of the existing well. Septic areas cannot be within 100ft of a well.

My existing well and septic are not failing.

My property is over 4.64 acreas so there is potential for a future sewage disposal area.

Thank you Mr. Davis for your consideration on this matter

A handwritten signature in black ink, appearing to read 'Mark Mercier', with a stylized flourish at the end.

Mark Mercier