# Buildi[illegible]ermit Application

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

**Date Received:** _____

**Permit No.:** B1900[illegible]3593

Address: 5010 Ten Oaks Road
Clarksville State: MD Zip Code: 21029
pt. # _____ SDP/WP/BA #: _____
sion: _____
_____ Tax Map: _____ Parcel: _____

g Use: SF Dwelling Wood frame
sed Use: same + detached garage
ated Construction Cost: $ 10,000.00
iption of Work: New, free-standing, ole building garage, 24'X24', 2th gable roof.

upant/Tenant Name: _____
s tenant space previously occupied? ☐Yes ☐No
ntact Name: _____
idress: _____
ty: _____ State: _____ Zip Code: _____
none: _____ Fax: _____
mail: _____

Property Owner's Name: Frank Hazzard
Address: 5010 Ten Oaks Road
City: Clarksville State: MD Zip Code: 21029
Phone: 443-794-2342 Fax: _____
Email: frank@kuzzquake.com

**Applicant's Name & Mailing Address, (If other than stated herein)**
Applicant's Name: - same -
Address: _____
City: _____ State: _____ Zip Code: _____
Phone: _____ Fax: _____
Email: _____

Contractor Company: N/A (homeowner)
Contact Person: _____
Address: _____
City: _____ State: _____ Zip Code: _____
**License No. :** _____
Phone: _____ Fax: _____
Email: _____

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

| ***Commercial Building Characteristics*** | ***Residential Building Characteristics*** |
|---|---|
| Height: | ☑ SF Dwelling ☐ SF Townhouse |
| No. of stories: | **Depth** **Width** |
| Gross area, sq. ft./floor: | 1st floor: 61' X 54' |
| | 2nd floor: |
| Area of construction (sq. ft.): | Basement: |
| | ☐ Finished Basement |
| Use group: | ☑ Unfinished Basement |
| | ☐ Crawl Space |
| ***Construction type:*** | ☐ Slab on Grade |
| ☐ Reinforced Concrete | No. of Bedrooms: 3 |
| ☐ Structural Steel | ***Multi-family Dwelling*** |
| ☐ Masonry | No. of efficiency units: |
| ☐ Wood Frame | No. of 1 BR units: |
| ☐ State Certified Modular | No. of 2 BR units: |
| | No. of 3 BR units: |
| | Other Structure: |
| | Dimensions: |
| ➢ **Roadside Tree Project Permit** | Footings: |
| ☐Yes ☐No | Roof: |
| **Roadside Tree Project Permit #** | ☐ State Certified Modular |
| | ☐ Manufactured Home |

| ***Utilities*** | |
|---|---|
| Electric: ☑ Yes ☐ No | |
| Gas: ☐ Yes ☑ No | |
| ***Water Supply*** | |
| ☐ Public | |
| ☑ Private | |
| ***Sewage Disposal*** | |
| ☐ Public | |
| ☑ Private | |
| ***Heating System*** | |
| ☐ Electric ☐ Oil | |
| ☐ Natural Gas ☐ Propane Gas | |
| ☐ Other: | |
| ***Sprinkler System:*** | |
| ☐ Yes ☐ 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; (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 Signature* _____ *Print Name* Frank Hazzard

frank@kuzzquake.com *Email Address* 10-23-19 *Date*

(homeowner) *Title/Company*

*Checks Payable to:* **DIRECTOR OF FINANCE OF HOWARD COUNTY**
***PLEASE WRITE NEATLY & LEGIBLY***
***-FOR OFFICE USE ONLY-***

| AGENCY | DATE | SIGNATURE OF APPROVAL |
|---|---|---|
| State Highways | | |
| Building Officials | | |
| PSZA ( Zoning ) | | |
| PSZA ( Engineering ) | | |
| Health | 11/13/19 | |

Is Sediment Control approval required for issuance? ☐ Yes ☐ No
☐ CONTINGENCY CONSTRUCTION START

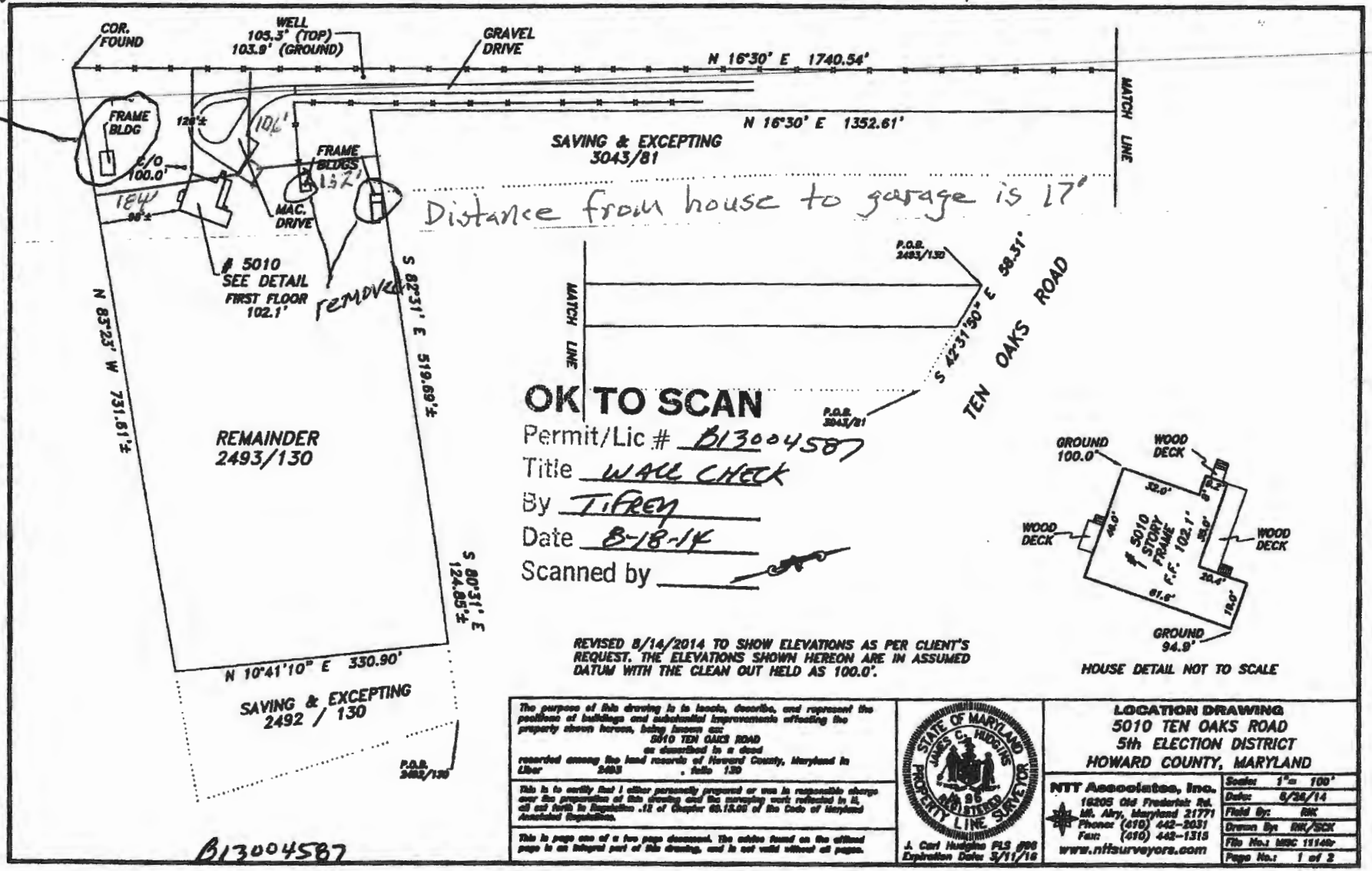
| DPZ SETBACK INFORMATION | |
|---|---|
| Front: | |
| Rear: | |
| Side: | |
| Side St.: | |
| All minimum setbacks met? | ☐ Yes ☐ No |
| Is Entrance Permit Required? | ☐ Yes ☐ No |
| Historic District? | ☐ Yes ☐ No |
| Lot Coverage for New Town Zone: | |
| SDP/Red-line approval date: | |

| | |
|---|---|
| Filing Fee | $ 25 |
| Permit Fee | $ |
| Tech Fee | $ |
| Excise Tax | $ |
| PSFS | $ |
| Guaranty Fund | $ |
| Add'l per Fee | $ |
| Total Fees | $ |
| Sub- Total Paid | $ |
| Balance Due | $ |
| Check | # cash |

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

Approved 11/13/19
B19003593

removed




**OK TO SCAN**
Permit/Lic # B13004587
Title WALL CHECK
By TiFrey
Date 8-18-14
Scanned by

REVISED 8/14/2014 TO SHOW ELEVATIONS AS PER CLIENT'S REQUEST. THE ELEVATIONS SHOWN HEREON ARE IN ASSUMED DATUM WITH THE CLEAN OUT HELD AS 100.0'.

The purpose of this drawing is to locate, describe, and represent the positions of buildings and substantial improvements affecting the property shown hereon, being known as: 5010 TEN OAKS ROAD as described in a deed recorded among the land records of Howard County, Maryland in Liber 2493 , Folio 139

This is to certify that I either personally prepared or was in responsible charge over the preparation of this drawing and the surveying work reflected in it, all set forth in Regulation .12 of Chapter 09.13.06 of the Code of Maryland Annotated Regulations.

This is page one of a two page document. The notes found on the affixed page is an integral part of this drawing, and is not valid without all pages.

STATE OF MARYLAND JAMES C. HUDGINS 595 REGISTERED PROPERTY LINE SURVEYOR

J. Carl Hudgins PLS #595
Expiration Date: 5/11/16

**LOCATION DRAWING**
**5010 TEN OAKS ROAD**
**5th ELECTION DISTRICT**
**HOWARD COUNTY, MARYLAND**

NTT Associates, Inc.
16205 Old Frederick Rd.
Mt. Airy, Maryland 21771
Phone: (410) 442-2031
Fax: (410) 442-1315
www.nttsurveyors.com

| | |
|---|---|
| Scale: | 1"= 100' |
| Date: | 8/26/14 |
| Field By: | RHK |
| Drawn By: | RHK/SCK |
| File No.: | MISC 11140r |
| Page No.: | 1 of 2 |

B13004587

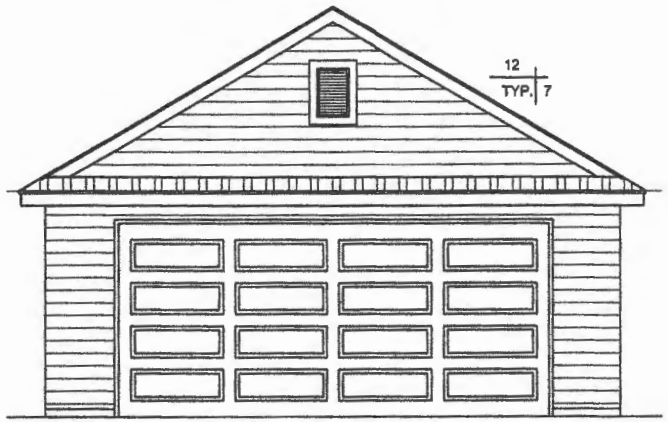
There is a barn on the property that is for agricultural use only

# PLANS PREPARED FOR:
# FRANK
# HAZZARD

## GENERAL CONTRACTOR:

## VICINITY MAP:


## STREET VIEW:




## ANALYSIS:

OCCUPANCY GROUP:
DETATCHED GARAGE

GARAGE SHALL BE CONSTRUCTED TO ALL LOCAL CODE REQUIREMENTS OF HOWARD COUNTY.
ALL WORK SHALL COMPLY WITH THE 2016 EDITIONS OF THE IRC, IBC, IPC, IMC, NEC, AND IECC.

COVER SHEET

ARCHITECTURAL PLANS:

A1 ELEVATIONS
A2 FLOOR PLAN
A3 FOUNDATION PLAN
A4 ROOF SCHEMATIC

SITE ADDRESS:
5010 TEN OAKS ROAD
CLARKSVILLE, MD 21029

OWNER:
FRANK HAZZARD
(443)794-8342

## AREA TABULATION:

TABULATIONS TO FACE OF STUD/ FOUNDATION.

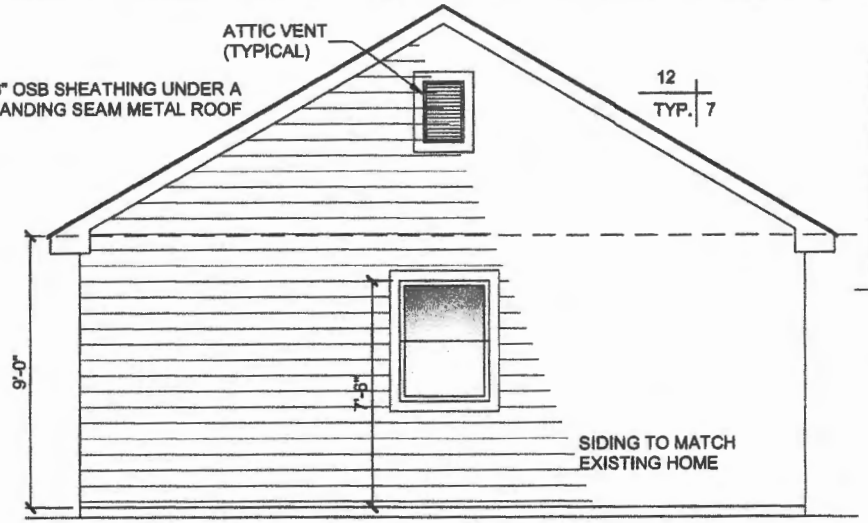
| | |
|---|---|
| GARAGE | 576 SQ. FT. |
| TOTAL UNDER ROOF | 576 SQ. FT. |

WRITTEN DIMENSIONS ON THESE DOCUMENTS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB.

FINAL DRAFT
CUSTOM HOME DESIGN
Thomas D. Ward
Phone: (435)467-4046

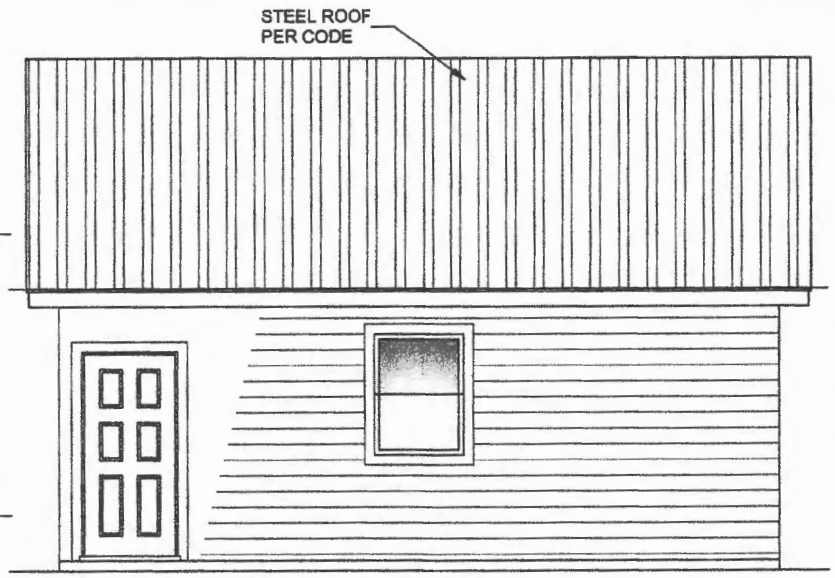
PLANS PREPARED FOR:
FRANK HAZZARD
5010 TEN OAKS ROAD
CLARKSVILLE, MD 21029

DRAWN: TOM
DATE: 10/19/2019
SCALE: NOTED
SHEET: COVER
OF 5 LOT#



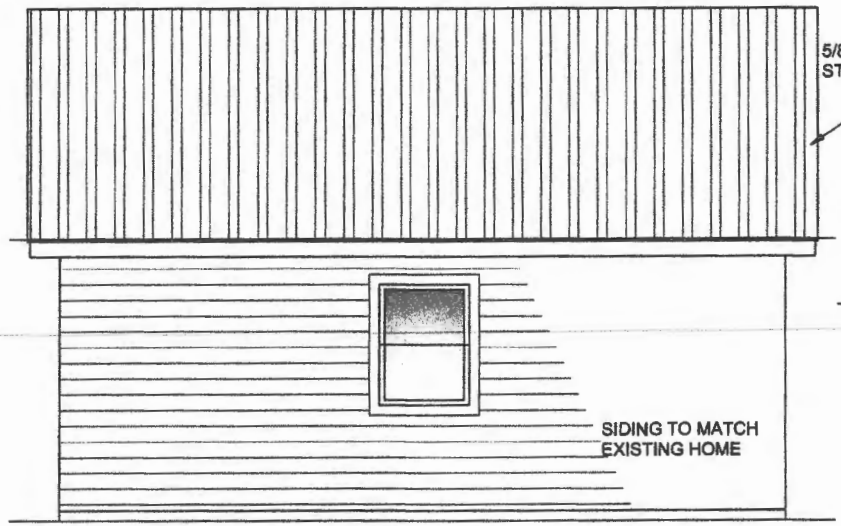

REAR ELEVATION

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




RIGHT ELEVATION

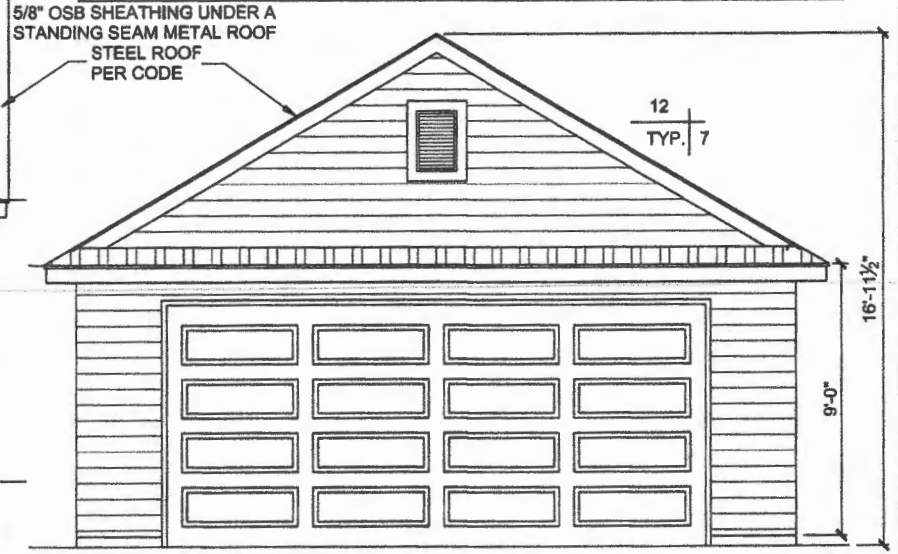
SCALE: 1/4" = 1'-0"




LEFT ELEVATION

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

5/8" OSB SHEATHING UNDER A
STANDING SEAM METAL ROOF




FRONT ELEVATION

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

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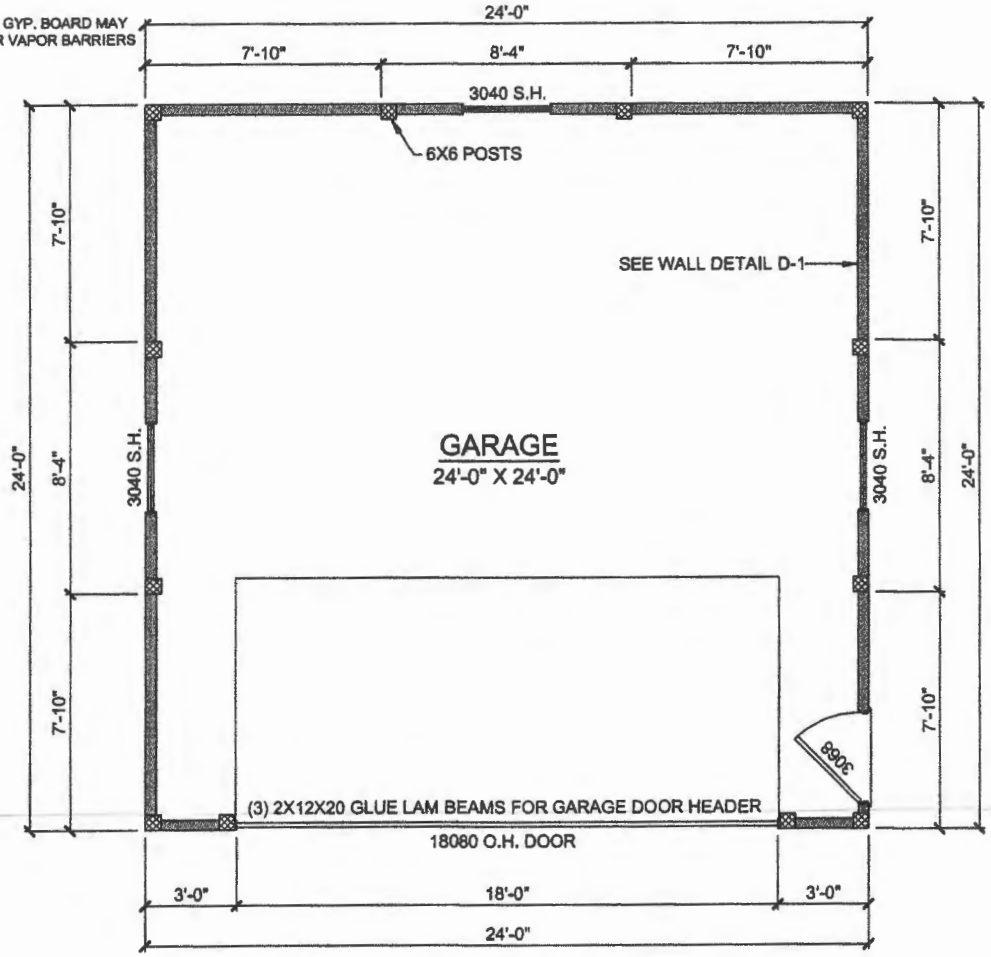
Phone: (435)467-4046

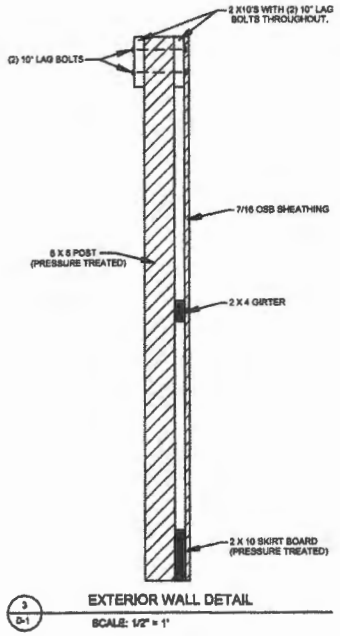
PLANS PREPARED FOR:
FRANK HAZZARD
5010 TEN OAKS ROAD
CLARKSVILLE, MD 21029

| | |
|---|---|
| DRAWN | TOM |
| DATE | 10/19/2019 |
| SCALE | NOTED |
| SHEET | A-1 |
| OF 5 | LOT# |

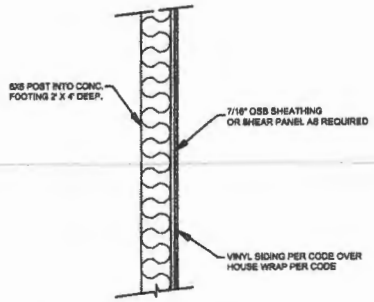
## FLOOR PLAN

1. ALL HEADERS TO BE DOUBLE 2x10 UNLESS NOTED.
2. WATER RESISTANT GYP. BOARD MAY NOT BE USED OVER VAPOR BARRIERS AND CEILINGS.




3 / D-1 EXTERIOR WALL DETAIL
SCALE: 1/2" = 1'




3 / D-1 EXTERIOR WALL DETAIL
SCALE: 1" = 8"

# FLOOR PLAN

576 SQ. FT. GARAGE

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

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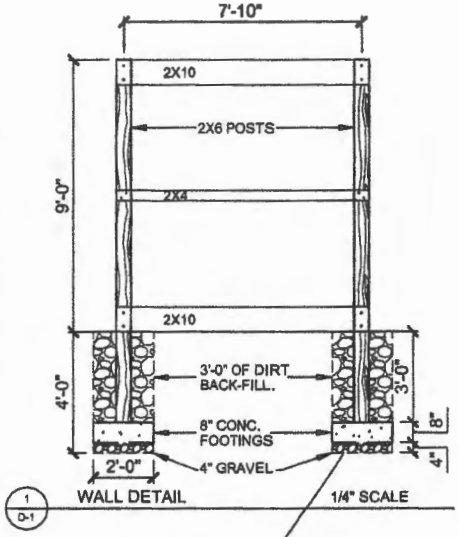
CUSTOM HOME DESIGN
Thomas D. Ward
Phone: (435)467-4046

PLANS PREPARED FOR:
FRANK HAZZARD
5010 TEN OAKS ROAD
CLARKSVILLE, MD 21029

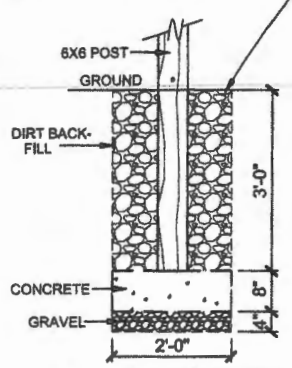
| | |
|---|---|
| DRAWN | TOM |
| DATE | 10/19/2019 |
| SCALE | NOTED |
| SHEET | A-2 |
| OF | 5 |

## FOUNDATION NOTES:

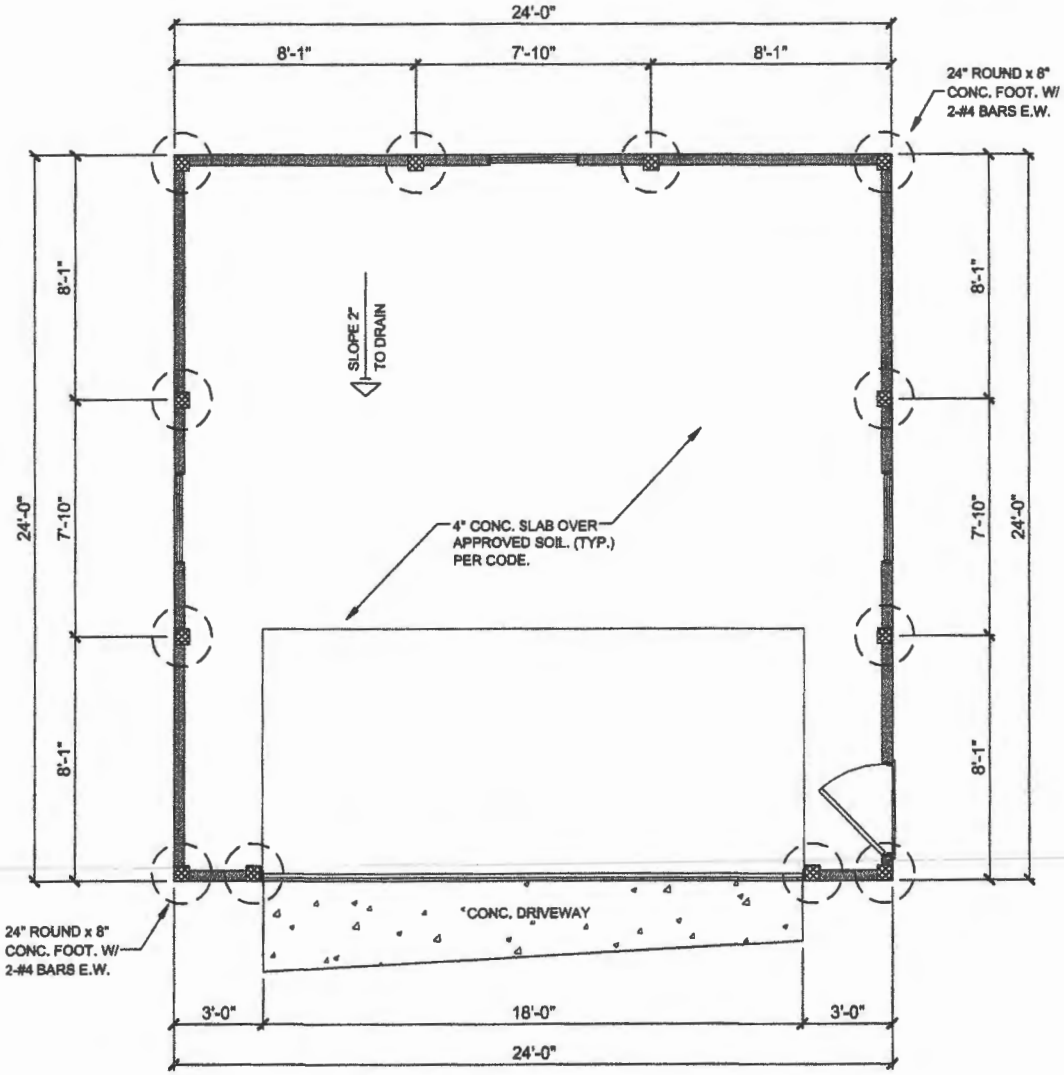
1. SEE SHEET PROVIDED BY ENGINEER FOR SHEARWALLS AND ADDITIONAL GENERAL NOTES.
2. ALL POSTS SHALL BE DF #2 COLUMNS W/ SIMPSON (LCB) BASES
3. PROVIDE REBAR IN HOUSE SLAB & DRIVEWAY SLABS AT 3'-0" O.C. EACH WAY. (OR PER ENGINEERING)
4. PROVIDE DEEP MARKS IN ALL CONC. WALK-WAYS AT 4'-0" O.C. (VERIFY)
5. PROVIDE DEEP MARKS IN ALL CONC. DRIVEWAYS AT 12'-0" O.C. (VERIFY)




1/D-1 WALL DETAIL 1/4" SCALE




EXPANDED FOOTER VIEW
1/2" SCALE




# FOUNDATION PLAN

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

WRITTEN DIMENSIONS ON THESE DOCUMENTS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB.

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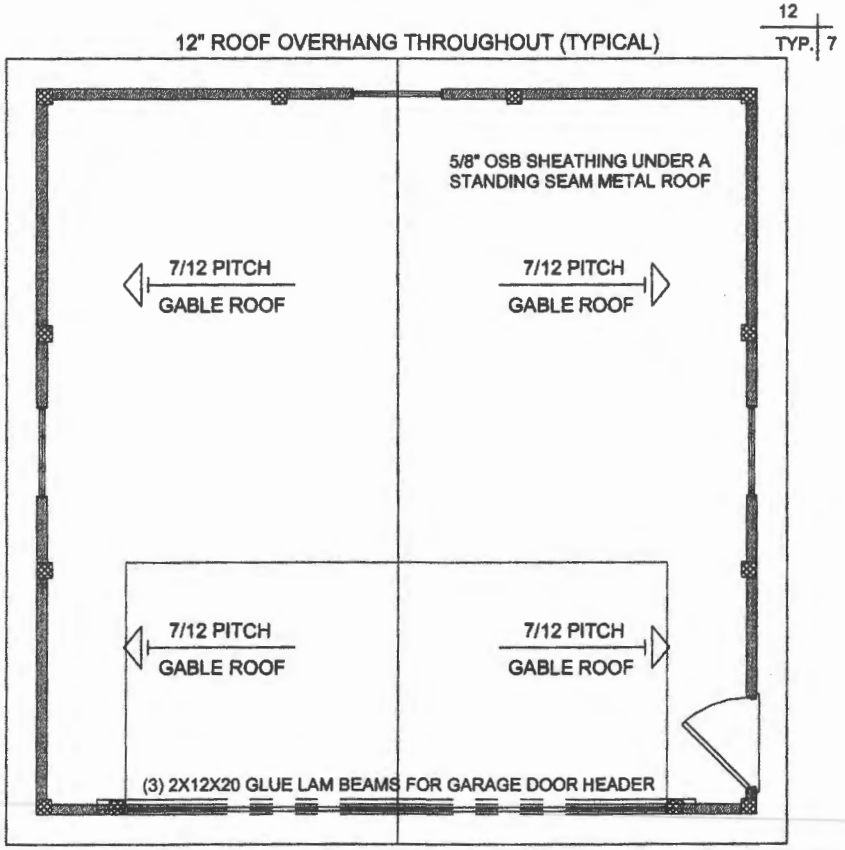
PLANS PREPARED FOR:
FRANK HAZZARD
5010 TEN OAKS ROAD
CLARKSVILLE, MD 21029

| | |
|---|---|
| DRAWN | TOM |
| DATE | 10/19/2019 |
| SCALE | NOTED |
| SHEET | A-3 |
| OF | 5 |

## NOTES:

1. SHOP ENG'D & MANUF. TRUSSES @ 24" O.C.
2. ALL TRUSSES SHALL HAVE 7/12 PITCH, 12" OVERHANG, & (OPTIONAL) ENERGY TRUSS RAISED HEEL OF MIN. 8" (TYP.)
3. ALL BEARING WALL DOOR AND WINDOW HEADERS SHALL BE DOUBLE 2x10 WITH ONE TRIMMER & ONE KING STUD ON EACH SIDE. UNLESS NOTED OTHERWISE.
4. TRUSSES SHALL BE ATTACHED TO WALLS PER MANUFACTURERS SPECS.
5. THIS LAYOUT IS SCHEMATIC ONLY, REFER TO TRUSS MANUFACTURERS DRAWINGS FOR EXACT LAYOUT.




12" DECO. HIP ROOF BELOW THE GABLE AT 9' WALL HEIGHT (CHECK FRONT ELEVATION)

# ROOF SCHEMATIC

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

NOTE: VERIFY & COORDINATE ALL BEAMS, HEADERS, SUPPORT POSTS, & JOIST SIZES WITH TRUSS ENGINEERING.





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CUSTOM HOME DESIGN
Thomas D. Ward
Phone: (435)467-4046

PLANS PREPARED FOR:
FRANK HAZZARD
5010 TEN OAKS ROAD
CLARKSVILLE, MD 21029

| | |
|---|---|
| DRAWN | TOM |
| DATE | 10/19/2019 |
| SCALE | NOTED |
| SHEET | A-4 |
| OF 5 | LOT# |

ENGINEERING BY
**TRENCO**
A MiTek Affiliate

**Trenco**
818 Soundside Rd
Edenton, NC 27932

Re: B109-404
Frank Hazzard Trusses

Professional Certification. I hereby certify that The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Structural, LLC. 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 July 18, 2021.

Pages or sheets covered by this seal: E13670074 thru E13670075

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. 32156, Expiration Date: 07/18/21.

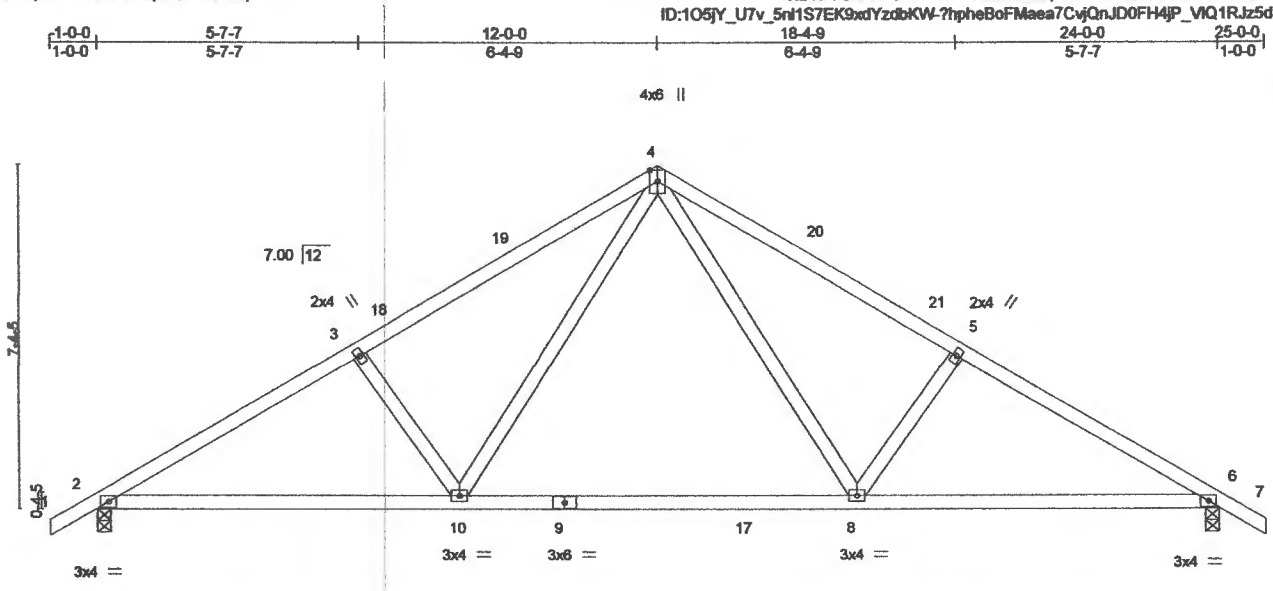

October 22,2019

Lassiter, Frank

**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 | Truss | Truss Type | Qty | Ply | Frank Hazzard Trusses | E13670074 |
|---|---|---|---|---|---|---|
| B109-404 | A1 | FINK | 11 | 1 | Job Reference (optional) | |

Structural, LLC, Thurmont, MD - 21788, 8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Oct 22 09:15:32 2019 Page 1
ID:1O5jY_U7v_5nl1S7EK9xdYzdbKW-?hpheBoFMaea7CvjQnJD0FH4jP_VtQ1RJz5dheyQvJv




| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 30.0 | Plate Grip DOL | 1.15 | TC | 0.59 | Vert(LL) | -0.22 | 8-10 | >999 | 360 | MT20 | 244/190 |
| Snow (Pf/Pg) | 30.8/40.0 | Lumber DOL | 1.15 | BC | 0.51 | Vert(CT) | -0.37 | 8-10 | >782 | 240 | | |
| TCDL | 10.0 | Rep Stress Incr | NO | WB | 0.39 | Horz(CT) | 0.04 | 6 | n/a | n/a | | |
| BCLL | 0.0 * | Code | IRC2018/TPI2014 | Matrix-AS | | Wind(LL) | 0.05 | 8-10 | >999 | 240 | Weight: 116 lb | FT = 20% |
| BCDL | 10.0 | | | | | | | | | | | |

**LUMBER-**
TOP CHORD 2x4 SP SS
BOT CHORD 2x4 SP SS
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

**REACTIONS.** (lb/size) 2=1386/0-3-8, 6=1386/0-3-8
Max Horz 2=-111(LC 14)
Max Grav 2=1428(LC 26), 6=1427(LC 27)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2244/30, 3-4=-2034/63, 4-5=-2033/63, 5-6=-2244/30
BOT CHORD 2-10=0/1934, 8-10=0/1223, 6-8=0/1897
WEBS 3-10=-588/99, 4-10=0/944, 4-8=0/943, 5-8=-588/99

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 12-0-0, Exterior(2R) 12-0-0 to 15-0-0, Interior(1) 15-0-0 to 25-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=30.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=40.0 psf; Pf=30.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 30.8 psf on overhangs non-concurrent with other live loads.
6) Plates checked for a plus or minus 5 degree rotation about its center.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

**LOAD CASE(S)** Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 10-11=-20, 8-10=-40, 8-14=-20, 1-4=-82, 4-7=-82

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. 32156, Expiration Date: 07/18/21.


October 22,2019




ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

| Job | Truss | Truss Type | Qty | Ply | Frank Hazzard Trusses | |
|---|---|---|---|---|---|---|
| B109-404 | A1GE | GABLE | 2 | 1 | Job Reference (optional) | E13670075 |

Structural, LLC, Thurmont, MD - 21788, 8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Oct 22 09:15:33 2019 Page 1
ID:1O5jY_U7v_5nl1S7EK9xdYzdbKW-TtN3aXpf7umRtMUv_VqSZTpNHpRBUxUaYdqAE4yQvJu

1-0-0 | 12-0-0 | 24-0-0 | 25-0-0
1-0-0 | 12-0-0 | 12-0-0 | 1-0-0

Scale = 1:48.7

Sheet Front
Full Sheathing
1 Ply 7/16" OSB (APA Rated Sheathing 24/16 Exposure 1)

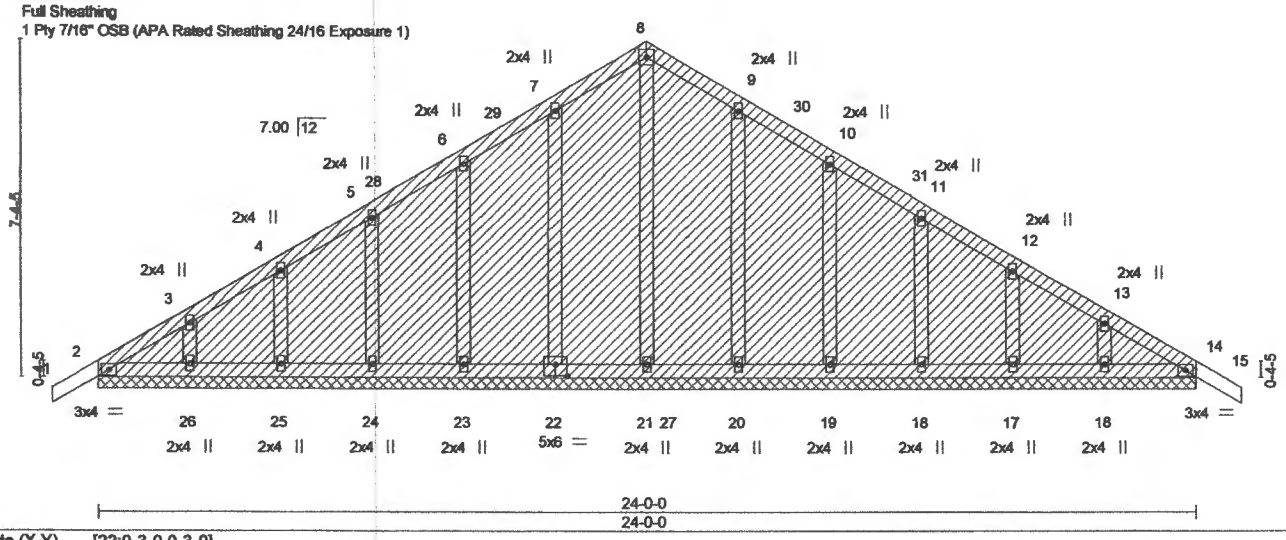



Plate Offsets (X,Y)-- [22:0-3-0,0-3-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 30.0 | Plate Grip DOL | 1.15 | TC | 0.09 | Vert(LL) | -0.00 | 15 | n/r | 120 | MT20 | 244/190 |
| Snow (Pf/Pg) | 30.8/40.0 | Lumber DOL | 1.15 | BC | 0.03 | Vert(CT) | -0.00 | 15 | n/r | 120 | | |
| TCDL | 10.0 | Rep Stress Incr | NO | WB | 0.19 | Horz(CT) | 0.00 | 14 | n/a | n/a | | |
| BCLL | 0.0 * | Code | IRC2018/TPI2014 | Matrix-S | | | | | | | Weight: 270 lb | FT = 20% |
| BCDL | 10.0 | | | | | | | | | | | |

**LUMBER-**
TOP CHORD 2x4 SP SS
BOT CHORD 2x4 SP SS
OTHERS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings 24-0-0.
(lb) - Max Horz 2=111(LC 15)
Max Uplift All uplift 100 lb or less at joint(s) 2, 22, 23, 24, 25, 26, 20, 19, 18, 17, 16
Max Grav All reactions 250 lb or less at joint(s) 2, 14, 21, 25, 26, 18, 17, 16 except 22=356(LC 23), 23=337(LC 23), 24=276(LC 23), 20=312(LC 24), 19=298(LC 24)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 7-22=-274/44, 6-23=-258/40, 9-20=-274/44, 10-19=-258/40

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 12-0-0, Exterior(2R) 12-0-0 to 15-0-0, Interior(1) 15-0-0 to 25-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) TCLL: ASCE 7-16; Pr=30.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=40.0 psf; Pf=30.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 30.8 psf on overhangs non-concurrent with other live loads.
7) Plates checked for a plus or minus 5 degree rotation about its center.
8) Gable requires continuous bottom chord bearing.
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 22, 23, 24, 25, 26, 20, 19, 18, 17, 16.
13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

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. 32156, Expiration Date: 07/18/21.


October 22,2019

Continued on page 2



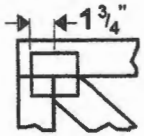
ENGINEERING BY TRENCO
818 Soundside Road
Edenton, NC 27932

**LOAD CASE(S)** Standard

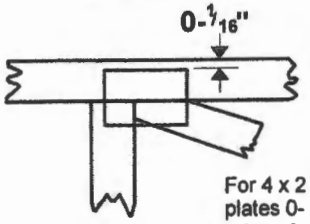
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 2-25=-20, 25-27=-40, 14-27=-20, 1-8=-82, 8-15=-82

# 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

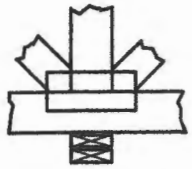
4 x 4

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

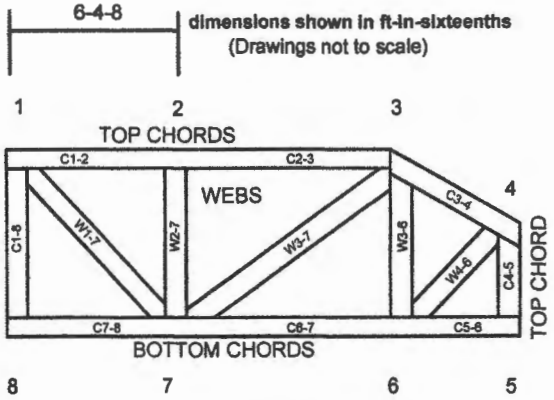


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

**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.



MiTek

ENGINEERING BY TRENCO
A MiTek Affiliate

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

# General Safety Notes

## Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. 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.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. 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.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.

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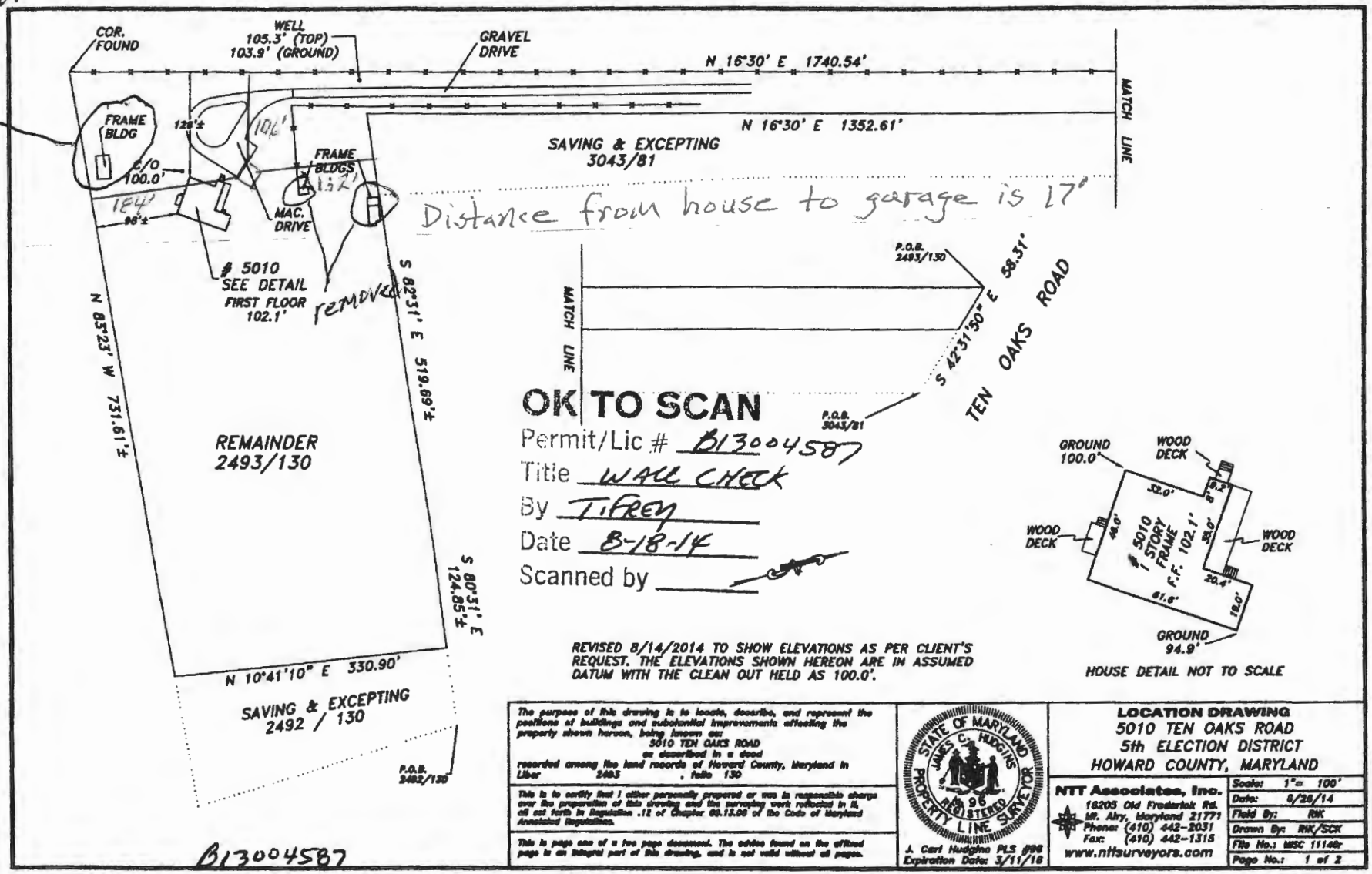



**OK TO SCAN**
Permit/Lic # B13004587
Title WALL CHECK
By TIFREY
Date 8-18-14
Scanned by

REVISED 8/14/2014 TO SHOW ELEVATIONS AS PER CLIENT'S REQUEST. THE ELEVATIONS SHOWN HEREON ARE IN ASSUMED DATUM WITH THE CLEAN OUT HELD AS 100.0'.

The purposes of this drawing is to locate, describe, and represent the positions of buildings and substantial improvements affecting the property shown hereon, being known as: 5010 TEN OAKS ROAD as described in a deed recorded among the land records of Howard County, Maryland in Liber 2493 , folio 130

This is to certify that I either personally prepared or was in responsible charge over the preparation of this drawing and the surveying work reflected in it, all set forth in Regulation .12 of Chapter 09.13.06 of the Code of Maryland Annotated Regulations.

This is page one of a two page document. The advice found on the affixed page is an integral part of this drawing, and is not valid without all pages.

STATE OF MARYLAND JAMES C. HUDGINS 96 REGISTERED PROPERTY LINE SURVEYOR

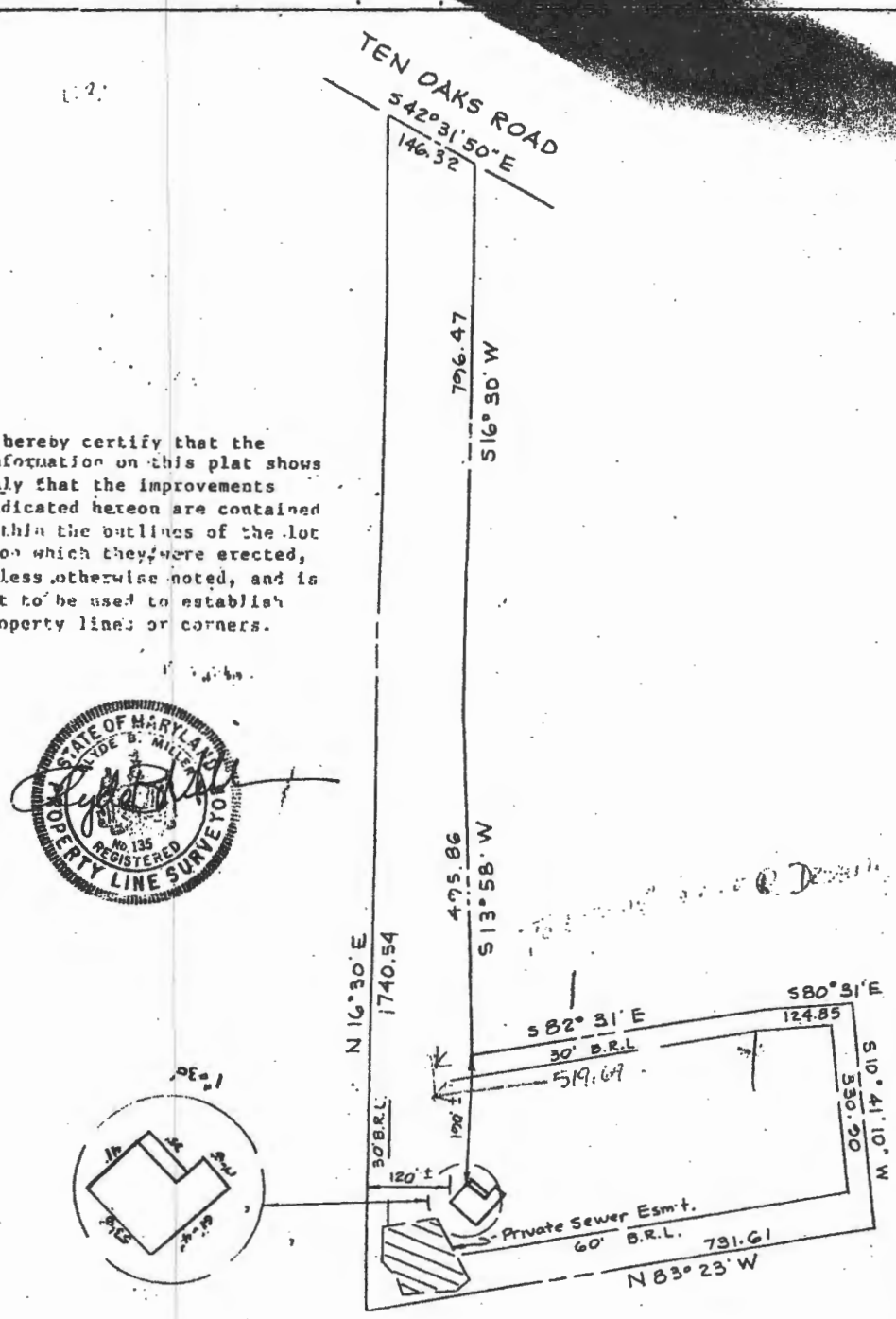
J. Carl Hudgins PLS #96
Expiration Date: 3/11/16

**LOCATION DRAWING**
5010 TEN OAKS ROAD
5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

NTT Associates, Inc.
16205 Old Frederick Rd.
Mt. Airy, Maryland 21771
Phone: (410) 442-2031
Fax: (410) 442-1315
www.nttsurveyors.com

| | |
|---|---|
| Scale: | 1"= 100' |
| Date: | 6/26/14 |
| Field By: | RHK |
| Drawn By: | RHK/SCK |
| File No.: | MISC 11148r |
| Page No.: | 1 of 2 |

There is a barn on the property that is for agricultural use only




I hereby certify that the information on this plat shows only that the improvements indicated hereon are contained within the outlines of the lot upon which they were erected, unless otherwise noted, and is not to be used to establish property lines or corners.

STATE OF MARYLAND
CLYDE B. MILLER
No. 135
REGISTERED
PROPERTY LINE SURVEYOR

Wall Check

part of PARCEL 140
Tax Map 28 Deed Ref. 480/185

5010 Ten Oaks Road

5th Election Dist. Howard Co. Md.

Scale: 1" = 200' Date: 6-25-92

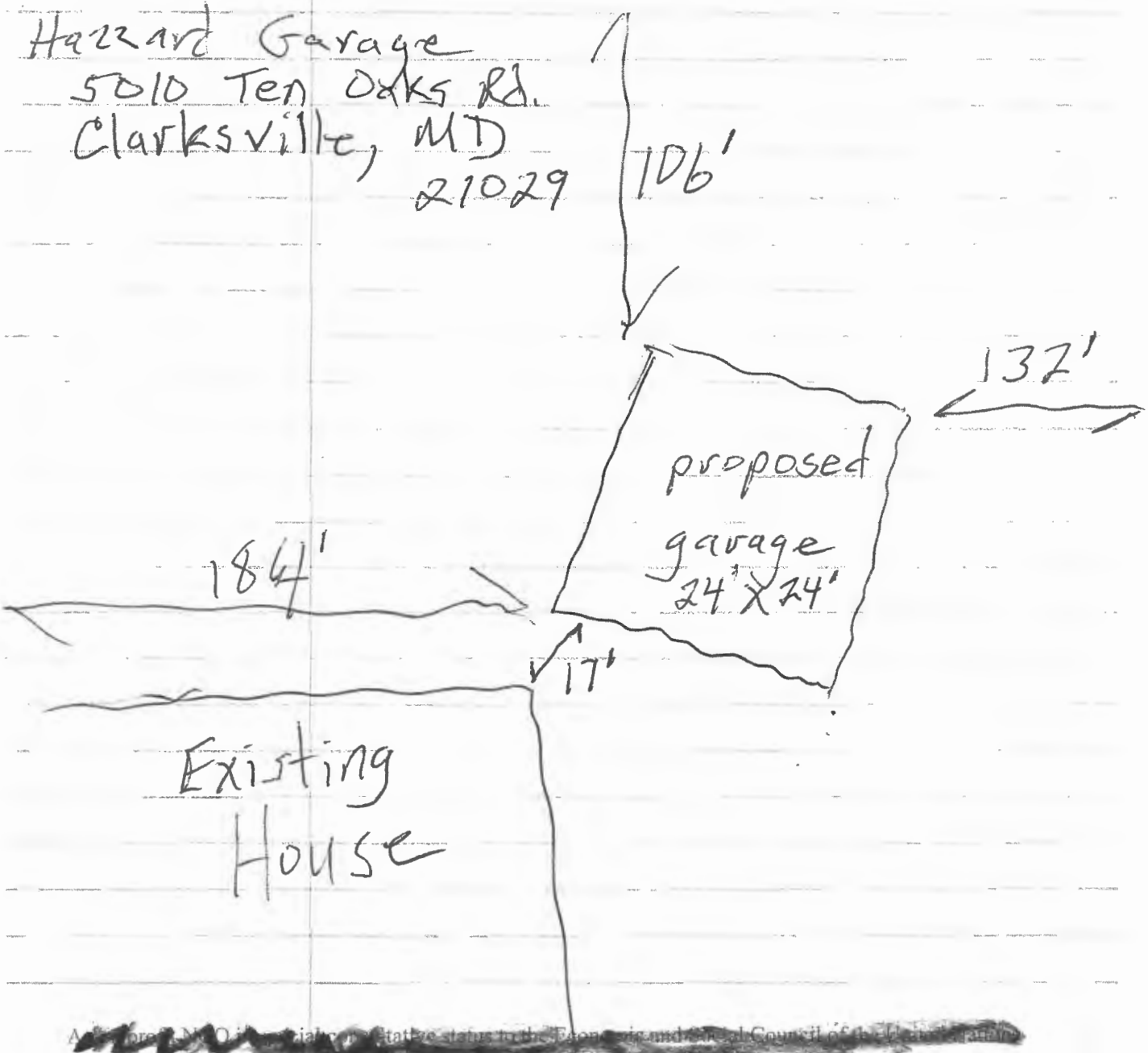
The RBA Group
ENGINEERS • ARCHITECTS • PLANNERS
5560 STERRETT PLACE, SUITE 300, COLUMBIA, MD 21044 (301) 730-7950

[redacted]

[redacted]

Distances from Property Boundaries

Hazzard Garage
5010 Ten Oaks Rd.
Clarksville, MD
21029




[redacted]

## Freemon, Robert

**From:** Frank Hazzard <frank@buzzquake.com>
**Sent:** Tuesday, November 12, 2019 3:05 PM
**To:** Freemon, Robert
**Subject:** RE: 5010 Ten Oaks

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hi, Spencer,
"No" to both questions. It will be an unheated building, bare studs on the interior. No plumbing of any kind. No finished space. Thanks.
-Frank

**From:** Freemon, Robert <rfreemon@howardcountymd.gov>
**Sent:** Friday, November 8, 2019 3:28 PM
**To:** frank@buzzquake.com
**Subject:** 5010 Ten Oaks

Hi Frank,
I am reviewing the building permit B19003593 and I have some questions. Will there be any living space in the garage? Will there be any plumbing installed in the garage?

***Robert "Spencer" Freemon***
***Howard County Health Department***
***8930 Stanford Blvd. Columbia, MD 21045***
***Bureau of Environmental Health***
***Well and Septic Program***
***Phone: 410-313-6357***
***Email: rfreemon@howardcountymd.gov***
***Website: https://www.howardcountymd.gov/Departments/Health/Environmental-Health/Well-and-Septic***