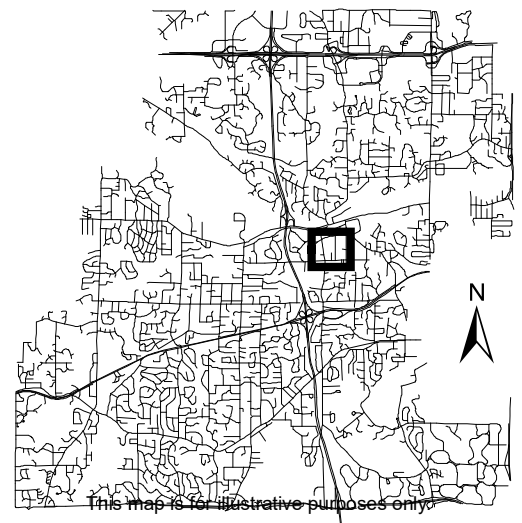


Location Map

Project: Heath Residence
Address: 3706 Farmington Road





Mason Construction Services, LLC
1459 Park Road
Chanhassen MN 55317
612.280.4000 Cell
masonconstructionservices.com

7/7/2025

RE: Mike Heath Garage Project – Expansion Permit Request

To whom it may concern:

This letter serves as our formal written request for the Expansion Permit request for the garage expansion located at 3706 Farmington Road, Minnetonka MN 55305 for Michael and Jill Heath.

This project is fairly simple in nature, as the client wants to expand the current garage size to make it more user-friendly, as well as enhance the property. The new garage would be located where the current garage SE corner is located and extend not only toward to West of the property, but also to the North. All of which in onto the current owner's property. Currently the garage is approximately 22' x 22'. The new garage would be 26' x 30'. We have included the permit request, as well as the survey, truss design specifications, and the side elevation detail showing dimensions of the new garage for heights. Total new height for garage as build would be 11'11.5" high to mid-point of slope on rafters. This garage will be much more functionally efficient, as well as updated with 2x6 walls, new electrical, EV charging station, and a new roof, along with a new overhead door, side entry door, and windows.

In addition to the garage, owners will be residing current home on said property, which will be matching on the garage, LP Expert Finish Lap Siding.

Please let us know if anything further would be needed for this Expansion Permit Request to be granted.

Thank you.

Sincerely,

Troy Mason
President
Mason Construction Services, LLC

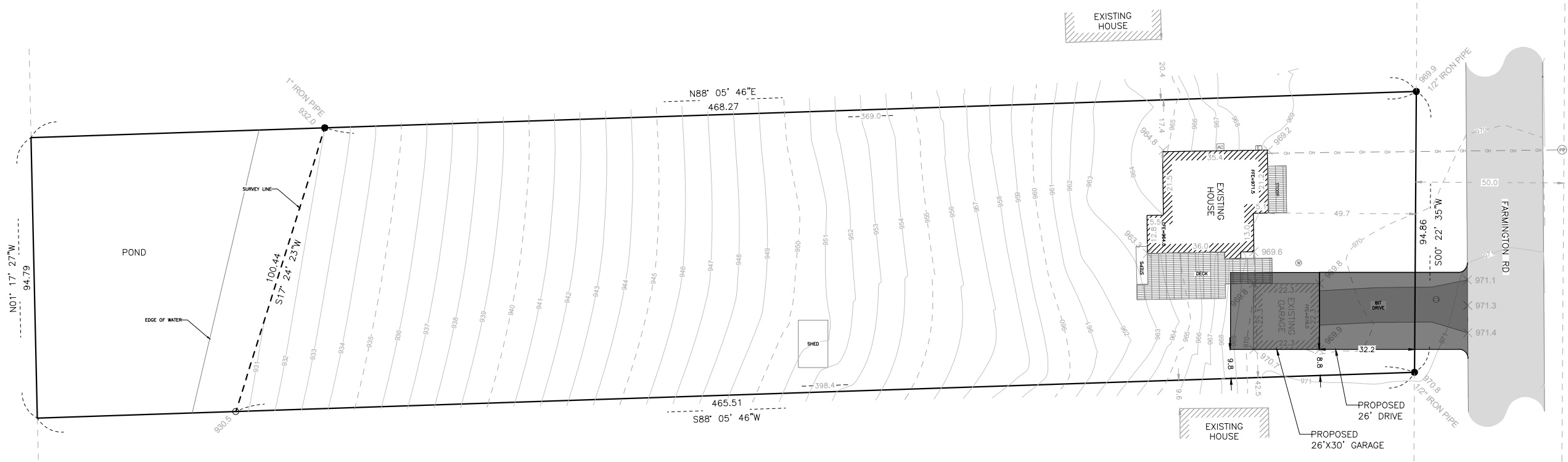
LEGEND

- FOUND IRON
- SET CAP #6508
- E ELECTRIC METER
- AC AIR CONDITIONER
- PP POWER POLE
- CS CURBSTOP
- W WELL

—○—○—○—○— OVERHEAD LINE

| EXISTING HARDCOVER(SF) | | |
|------------------------|-------|----|
| HOUSE | 1,231 | |
| DRIVE | 377 | |
| STOOP | 98 | |
| DECK | 608 | |
| SHED | 160 | |
| GARAGE | 496 | |
| TOTAL | 2,474 | 6% |

| PROPOSED HARDCOVER(SF) | | |
|------------------------|-------|----|
| HOUSE | 1,231 | |
| DRIVE | 839 | |
| STOOP | 98 | |
| DECK | 556 | |
| SHED | 160 | |
| GARAGE | 780 | |
| TOTAL | 3,664 | 8% |



DESCRIPTION:
The South 95 feet of the North 285 feet of Lot 4, Block 8, "Minnetonka Mills Acres"

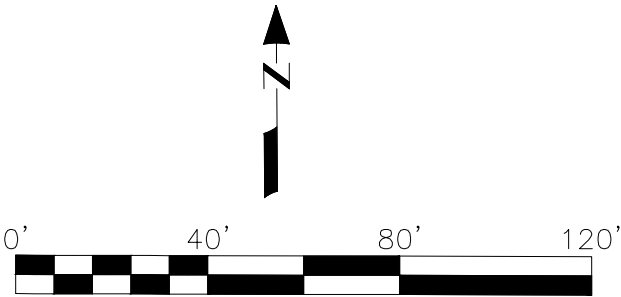
PID# 15-117-22-44-0019

SURVEY IS SUBJECT TO CHANGE PER TITLE OR EASEMENT INFORMATION

LOT AREA:
44,252 SF (1.02 AC)

BENCHMARK:
CITY ID 14-22 TNH@PLYMOUTH RD AND SHADY OAK RD
ELEV=949.51 NGVD 29

SURVEY NOTES
1. BEARINGS ARE ASSUMED.
2. GRADING PLAN NOT PREPARED. CONTRACTOR TO ENSURE DRAINAGE THROUGHOUT CONSTRUCTION.



FRANK CARDARELLE
LAND SURVEYING
5305 WOODDALE AVE
EDINA, MN 55424
BUS: (952)941-3031
EMAIL: CARDARELLES@AOL.COM

I HEREBY CERTIFY THAT THIS SURVEY WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MINNESOTA
FRANK R. CARDARELLE REG. NO. 6508
DATE: 6/16/25

PREPARED FOR
MASON CONSTRUCTION SERVICES
TROY MASON

CERTIFICATE OF SURVEY
3706 FARMINGTON RD,
MINNETONKA, MN 55305

| REVISION | N° | DATE |
|----------------|----|----------|
| DRIVE | 1 | 06/19/25 |
| GARAGE SETBACK | 2 | 06/25/25 |
| | | |
| | | |
| | | |
| | | |

| | | |
|-----------------------------|-------------------|-----------------|
| DRAWN BY B. PASSOLT | | |
| CHECKED BY F. CARDARELLE | | |
| DATE 06/16/25 | PAGE N° 1 OF 1 | |
| PROJECT # C25071 | REV 1 | SIZE 11"X17" |

Date: 6/03/2025 - 1:21 PM**Design Name: Heath Garage****Design ID: 326858467022****Estimated Price: \$14,959.32****Today's estimated price. Future pricing may go up or down. Tax, labor, and delivery not included.***MENARDS®**

Design & Buy™

GARAGE

How to recall and purchase your design at home:**OR**

1. On Menards.com, enter "Design & Buy" in the search bar
2. Select the Garage Designer
3. Recall your design by entering Design ID: 326858467022
4. Follow the on-screen purchasing instructions

How to purchase your design at the store:

1. Enter Design ID: 326858467022 at the Design-It Center Kiosk in the Building Materials Department
2. Follow the on-screen purchasing instructions



Floor type (concrete, dirt, gravel) is NOT included in estimated price. The floor type is used in the calculation of materials needed. Labor, foundation, steel beams, paint, electrical, heating, plumbing and delivery are also NOT included in estimated price. This is an estimate. It is only for general price information. This is not an offer and there can be no legally binding contract between the parties based on this estimate. The prices stated herein are subject to change depending upon the market conditions. The prices stated on this estimate are not firm for any time period unless specifically written otherwise on this form. The availability of materials is subject to inventory conditions.

MENARDS IS NOT RESPONSIBLE FOR ANY LOSS INCURRED BY THE GUEST WHO RELIES ON PRICES SET FORTH HEREIN OR ON THE AVAILABILITY OF ANY MATERIALS STATED HEREIN. All information on this form, other than price, has been provided by the guest and Menards is not responsible for any errors in the information on this estimate, including but not limited to quantity, dimension and quality. Please examine this estimate carefully.

MENARDS MAKES NO REPRESENTATIONS, ORAL, WRITTEN OR OTHERWISE THAT THE MATERIALS LISTED ARE SUITABLE FOR ANY PURPOSE BEING CONSIDERED BY THE GUEST. BECAUSE OF WIDE VARIATIONS IN CODES, THERE ARE NO REPRESENTATIONS THAT THE MATERIALS LISTED HEREIN MEET YOUR CODE REQUIREMENTS. THE PLANS AND/OR DESIGNS PROVIDED ARE NOT ENGINEERED. LOCAL CODE OR ZONING REGULATIONS MAY REQUIRE SUCH STRUCTURES TO BE PROFESSIONALLY ENGINEERED AND CERTIFIED PRIOR TO CONSTRUCTION.

For other design systems search "Design & Buy" on Menards.com

Page 1 of 12

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Design ID: 326858467022

Estimated Price: \$14,959.32

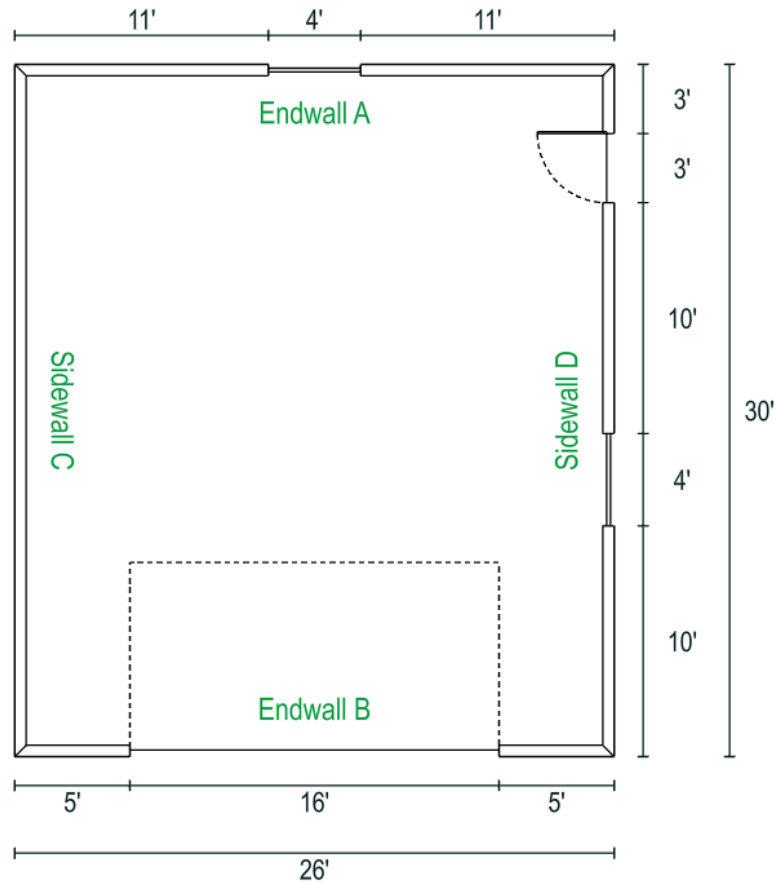
**Today's estimated price. Future pricing may go up or down. Tax, labor, and delivery not included.*

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GARAGE

Garage Image



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Page 2 of 12

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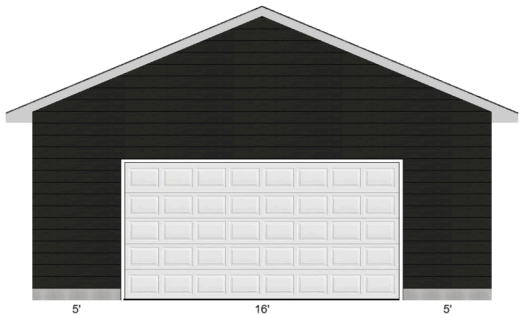
Design & Buy™

GARAGE

Dimensions

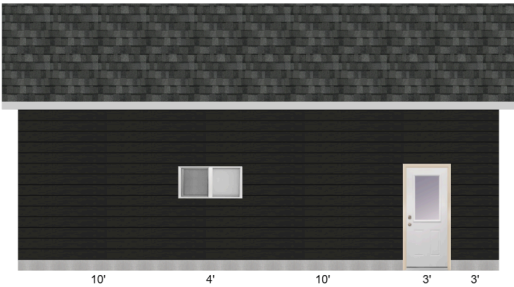
Wall Configurations

*Some items like wainscot, gutter, gable accents, are not displayed if selected.



ENDWALL B

16X8 White Raised Panel Extension Spring



SIDEWALL D

Mastercraft® 36W x 80H Primed Steel Half Lite
48"W x 24"H Performax™ Slider Window with Nailing Flange

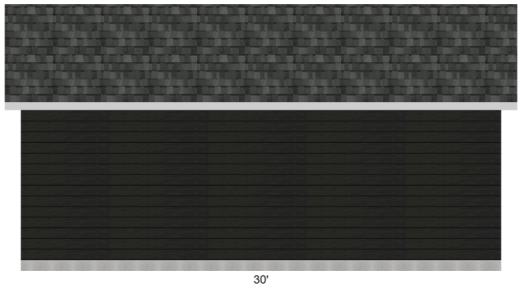
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SIDEWALL C



ENDWALL A

48"W x 24"H Performax™ Slider Window with Nailing Flange

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GARAGE

Materials

Building Type

Building Location Zip Code: 55345
Building Type: Gable

Building Info

Building Width: 26'
Building Length: 30'
Building Height: 9'
Wall Framing Stud: 2 x 6
Roof Framing: Truss Construction (Sealed truss designs available on request)
Truss Type: Common (24" on center spacing)
Roof Pitch: 5/12 Pitch
Eave Overhang: 18"
Gable Overhang: 12"
Curb: Concrete Block
Concrete Block Rows: 1 Row
Concrete Block Type: 6 x 8 x 16 Standard
Foundation Type: Poured
Building Plan: Yes I need a Building Plan

Wall Info

Siding Material Types: LP Engineered Wood
LP Engineered Wood Siding: Sherwin-Williams Prefinished 3/8 x 8 x 16' Textured Lap Siding(15 Yr Paint Warranty), Color: Carbon Black
Engineered Wood Corner Trim Color: Carbon Black
Accent Material Type: None
Wainscot Material Type: None
Wall Sheathing: 7/16 x 4 x 8 OSB(Oriented Strand Board)
House Wrap: Kimberly-Clark BLOCK-IT®9'x75'House Wrap
Gable Vents: None

Roof Info

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Page 6 of 12

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GARAGE

Roof Sheathing:

1/2 x 4 x 8 OSB(Oriented Strand Board)

Roofing Material Type:

Architectural Shingle

Architectural Roofing:

Owens Corning® TruDefinition® Duration® Limited Lifetime
Warranty Architectural Shingles (32.8 sq. ft.), Color: Estate
Gray

Roof Underlayment:

#15 Felt Roofing Underlayment 3' x 144' (432 sq. ft.)

Ice and Water Barrier:

Owens Corning® WeatherLock® G 3' x 66.7' Granulated Self-
Sealing Ice and Water Barrier (200 sq. ft.)

Fascia Material Type:

Textured Aluminum Fascia

Fascia:

6" x 12' Aluminum Rustic Fascia, Color: White

Soffit Material Type:

Aluminum Soffit

Soffit:

16" x 12' Aluminum Vented Soffit, Color: White

Gutter Material Type:

Aluminum

Gutter:

Spectra Metals 5" x 10' K-Style Aluminum Gutter, Color:
White

Ridge Vent:

None

Roof Vents:

Air Vent Galvanized Slant-Back Static Roof Vent, Color:
Black, QTY: 2

Openings

Service Door:

Mastercraft® 36W x 80H Primed Steel Half Lite

Overhead Door:

16X8 White Raised Panel Extension Spring

Additional Information:

M5ST Extension Spring

Overhead Door Trim Type:

Steel

Steel Trim Color:

White

Garage Door Opener:

Chamberlain® 1/2 HP Wi-Fi Belt Drive Battery Backup
Garage Door Opener (Better)

Windows:

48"W x 24"H Performax™ Slider Window with Nailing Flange

Windows:

48"W x 24"H Performax™ Slider Window with Nailing Flange

Additional Options

Ceiling Insulation:

None

Wall Insulation:

None

Ceiling Finish:

None

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Page 7 of 12

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| | |
|----------------------------|---|
| Wall Finish: | None |
| Mounting Blocks: | No |
| Hydronic Radiant Heat: | No |
| Anchor bolt: | Grip Fast® 1/2 x 10 HDG Anchor Bolt w/ Nut & Washer |
| Framing Fasteners: | Grip Fast® 3-1/4 16D Vinyl-Coated Smooth Shank Sinker Nail - 5 lb. Box |
| Sheathing Fasteners: | Grip Fast® 2-1/2 8D Vinyl-Coated Smooth Shank Sinker Nail - 5 lb. Box |
| Roofing/Shingle Fasteners: | Grip Fast® 1-1/4 Electro-Galvanized Coil Roofing Nails - 7,200 Count |
| Truss Fastener: | FastenMaster® TimberLOK® 5/16 x 6 Hex Drive Black Hex Head Timber Screw - 50 Count |
| Overhead Opening Hardware: | No |

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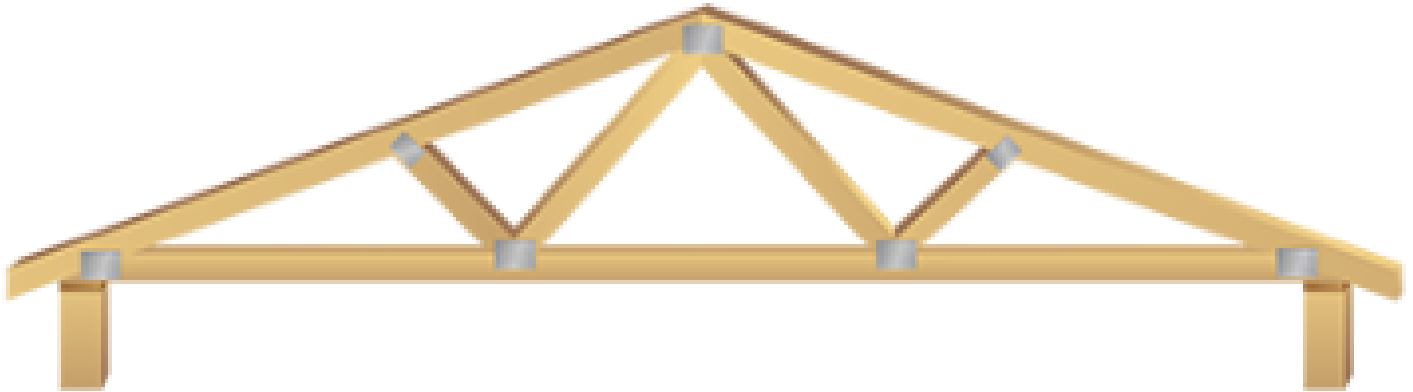
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GARAGE

Helpful Hints for Garage Construction

- Studs are estimated 16 inches on center with single treated bottom plate and double top plate.
- For 10- and 12-foot-tall buildings studs should be cut for an approximate 10- or 12-foot plate height.
- If steel is estimated (Pro-Rib or Pro-Snap), the steel lengths should be verified based off the actual framing. Plate height (stud length), truss heel and other framing should be confirmed. Steel is estimated to the inch, make sure the lengths are accurate based on final overall building design.
- Trusses included are estimated at 2 feet on center spacing. The design is based on the zip code provided, design and loading should be verified.
- Trusses should not be cut or modified with the exception of trimming the truss tails to the correct overhang.
- The bottom chord is designed to support standard ceiling and insulation materials.
- Dropped end trusses are estimated with 18 inch and 24 inch gable overhangs.



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Menards Building Checklist Planning

- Get a permit. Check restrictions, building codes or local zoning to make sure your design complies with all requirements.
- Contact local utilities to ensure construction will not disturb any electrical, cable or plumbing.
- If necessary, hire a professional to help with planning and construction.
- Consider site conditions including soil type, grade, and runoff before finalizing your design.
- Material estimates are calculated based on approximate plate heights of 97", 109", 121" and 145".
- STEEL LENGTHS if selected should be verified prior to purchase.
- Menards offers professional delivery of materials. Delivery is extra based on the distance from your local Menards store to your building site.
- Practice good safety habits, use PPE including eye protection & dust masks during construction.
- Make sure to follow good building practice and all manufacturer's instructions. Use all the hardware and fasteners recommended.

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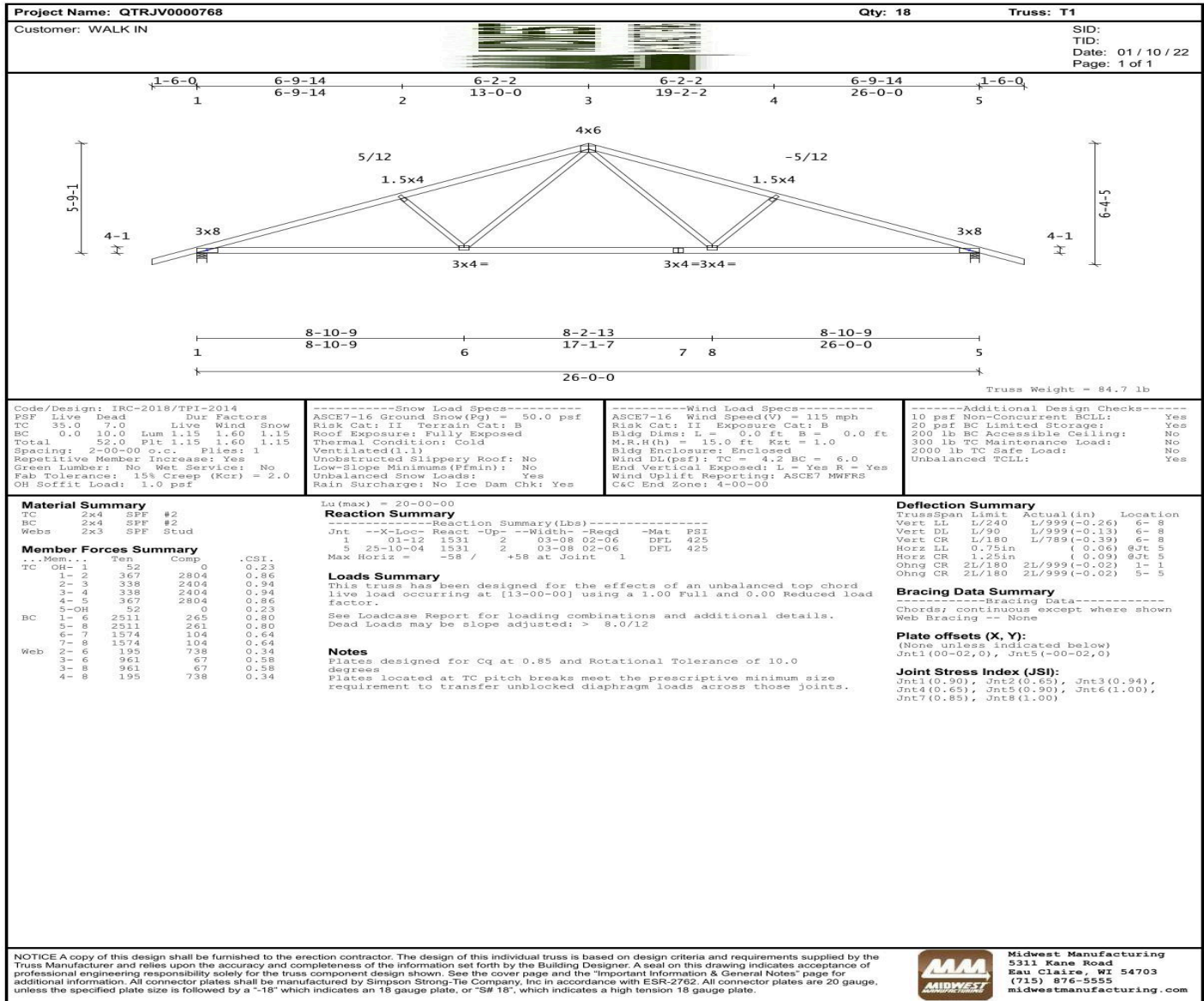
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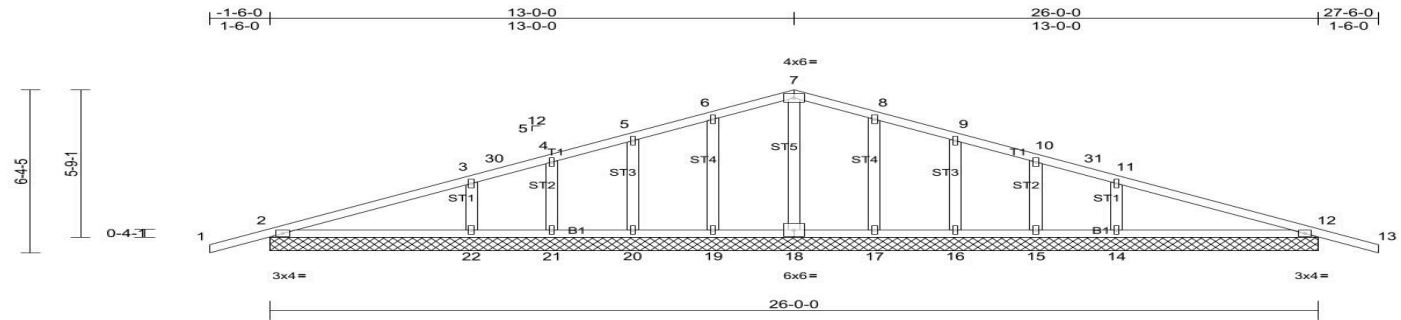
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| | | | | | |
|---------------------------------------|--------------|----------------------|----------|----------|--------------------------|
| Job QTREC0761886 | Truss T1E | Truss Type COMMON | Qty 2 | Ply 1 | Job Reference (optional) |
| Midwest Manufacturing, Eau Claire, WI | | | | | |

Run: 8.61 S Aug 11 2022 Print: 8.610 S Aug 11 2022 MiTek Industries, Inc. Wed Aug 02 07:21:12 Page: 1
ID:R4poltLNXK0h46tA8u4YyJeBv-sphAqPUAFJ9rRC7sepk7GBv6BqVrfy8cVGGf0vryh5



Scale = 1:51.9

| | | | | | | | | | | | | |
|-------------------------|-----------|-----------------|-----------------|------------|------|-------------|------|-------|--------|-----|---------------|-------------|
| Loading | (psf) | Spacing | 2'-0" | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
| TCLL (roof) | 35.0 | Plate Grip DOL | 1.15 | TC | 0.25 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 197/144 |
| Snow (Ps/Pg) | 34.7/50.0 | Lumber DOL | 1.15 | BC | 0.18 | Vert(CT) | n/a | - | n/a | 999 | | |
| TCDL | 7.0 | Rep Stress Incr | YES | WB | 0.13 | Horz(CT) | 0.00 | 12 | n/a | n/a | | |
| BCLL | 0.0 * | Code | IRC2018/TPI2014 | Matrix-MS | | | | | | | | |
| BCDL | 10.0 | | | | | | | | | | | |
| Weight: 100 lb FT = 15% | | | | | | | | | | | | |

LUMBER
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

REACTIONS All bearings 26'-0-0".
(lb) - Max Horiz 2=75 (LC 14), 23=75 (LC 14)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 12, 14, 15, 16, 17, 19, 20, 21, 22, 23, 27
Max Grav All reactions 250 (lb) or less at joint(s) 15, 18, 21 except 2=376 (LC 2), 12=376 (LC 2), 14=507 (LC 22), 16=330 (LC 22), 17=310 (LC 22), 19=310 (LC 21), 20=330 (LC 21), 22=507 (LC 21), 23=376 (LC 2), 27=376 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 6-19=-274/51, 5-20=-276/55, 3-22=-368/96, 8-17=-274/50, 9-16=-276/56, 11-14=-368/96

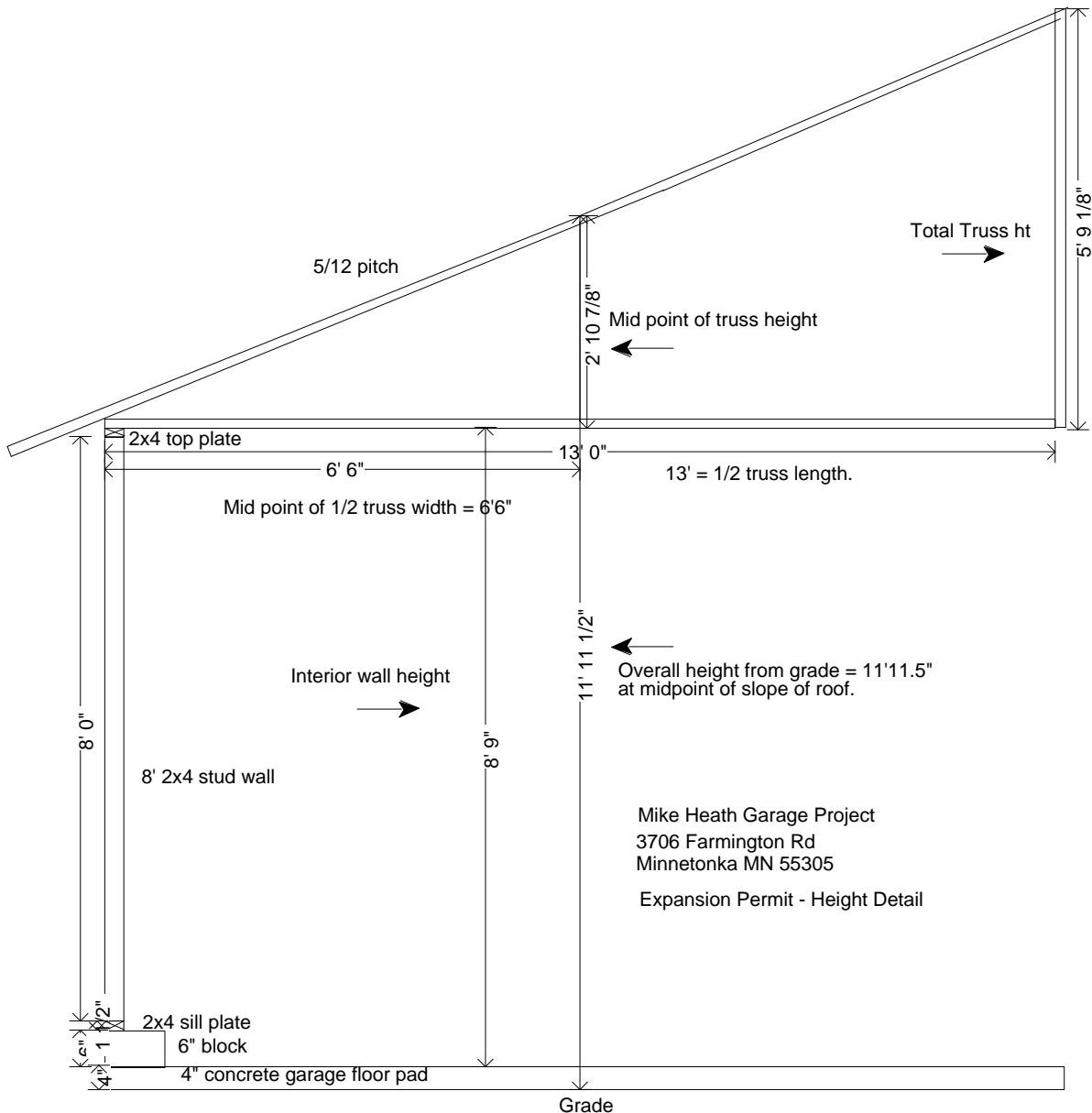
JOINT STRESS INDEX
2 = 0.76, 3 = 0.51, 4 = 0.51, 5 = 0.51, 6 = 0.51, 7 = 0.27, 8 = 0.51, 9 = 0.51, 10 = 0.51, 11 = 0.51, 12 = 0.76, 14 = 0.51, 15 = 0.51, 16 = 0.51, 17 = 0.51, 18 = 0.17, 19 = 0.51, 20 = 0.51, 21 = 0.51 and 22 = 0.51

BRACING
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 6'-0-0" oc purlins.
Rigid ceiling directly applied or 10'-0-0" oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 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
 - 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.
 - TCLL: ASCE 7-16; Pr=35.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=50.0 psf; Ps=34.6 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
 - 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 34.6 psf on overhangs non-concurrent with other live loads.
 - All plates are 1.5x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2'-0-0" oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-06"-00" tall by 2'-00"-00" wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 19, 20, 21, 22, 17, 16, 15, 14, 2, 12.
 - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R602.10.2 and referenced standard ANSI/TPI 1.
- LOAD CASE(S)** Standard



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