

# CITY OF NAPOLEON GENERAL PERMIT APPLICATION

THIS APPLICATION IS FOR RESIDENTIAL CONSTRUCTION INCLUDING BUILDING, ELECTRICAL,  
PLUMBING, MECHANICAL & REMODELING

P-14-088  
Bldg.

DATE 3-21-14 JOB LOCATION 325 Northcrest Drive Napoleon OH  
 OWNER Roy Kistner TELEPHONE # 419 966 5175  
 OWNER ADDRESS 325 Northcrest Drive Napoleon OH 43545  
 CONTRACTOR S+S Construction + Baldwin Const CELL PHONE # 419-769-6886-S+S  
419-533-7513-BC  
 DESCRIPTION OF WORK TO BE PERFORMED Build a Garage 24x36

ESTIMATED COMPLETION DATE May 1st ESTIMATED COST \$20,000

Affected Floor Area (AFA): In existing structures, it is the area affected by the improvement, i.e. a new wall dividing a room (the AFA would be only the room and not all the rooms).

DESCRIPTION	FEE	TOTAL COST
<b>BUILDING:</b>		
<i>Decks</i>	\$25.00	\$
<i>Addition &amp; Alterations</i> Square foot in (AFA) _____ x \$0.05 = \$ _____ +	\$25.00 =	\$
<i>Garage and Shed over 200 SF (Detached)</i>	\$25.00	\$ <u>25<sup>00</sup></u>
<i>Siding and/or Roofing</i>	\$25.00	\$
<i>Windows/Doors</i>	\$25.00	\$
<b>ELECTRICAL:</b>		
<i>Electrical</i> Circuits in (AFA) _____ x \$3.00/Circuit = \$ _____ +	\$25.00 =	\$
<i>Electrical Service Upgrade</i>	\$25.00	\$
<b>MECHANICAL:</b>		
<i>Water Heater</i>	\$25.00	\$
<i>Furnace and/or AC Replacement</i>	\$25.00	\$
<b>PLUMBING:</b>		
<i>Plumbing</i> Traps in (AFA) _____ x \$3.00/Trap = \$ _____ +	\$25.00 =	\$

TOTAL plus Ohio Board of Building Standards Fee 1% \$ 25

TOTAL FEE: \$ 25 25

I FULLY UNDERSTAND THAT NO EXCAVATION, CONSTRUCTION OR STRUCTURAL ALTERATION, ELECTRICAL OR MECHANICAL INSTALLATION OR ALTERATION OF ANY BUILDING STRUCTURE, SIGN, OR PART THEREOF AND NO USE OF THE ABOVE SHALL BE UNDERTAKEN OR PERFORMED UNTIL THE PERMIT APPLIED FOR HEREIN HAS BEEN APPROVED AND ISSUED BY THE CITY OF NAPOLEON BUILDING/ZONING DEPARTMENT.

I hereby certify that I am the Owner of the named property, or that the proposed work is authorized by the Owner of record and that I have been authorized by the Owner to make this application as his/her authorized agent and I agree to conform to all applicable laws of the jurisdiction. In addition, if a permit for Work described in this application is issued, I certify that the code official or the code official's authorized representative shall have the authority to enter areas covered by such permit at any reasonable hour to enforce the provisions of the code(s) applicable to such permit.

I HEREBY ACKNOWLEDGE THAT I HAVE READ AND FULLY UNDERSTAND THE ABOVE LISTED INSTRUCTIONS.

SIGNATURE OF APPLICANT: \_\_\_\_\_ DATE: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

PERMIT # \_\_\_\_\_ BATCH # 29755 CHECK # Cash DATE 3-24-14

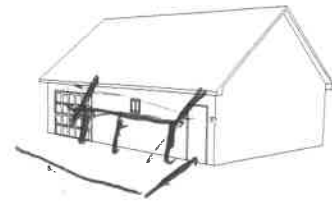
## Items Selected:

Gable room in attic roof w/ 10/12 pitch trusses 2' O.C.  
 Truss Design Location Zip Code: 43545  
 3/4" T&G OSB RIA Floor Sheathing  
 2x12 Stair Tread - 42"  
 2x4 Wall Framing Material  
 24' Wide X 36' Deep X 8' High  
 7' 6" H x 13' 10" W RIA Room Size  
 Vinyl Dbl 4" Lap Siding  
 - H. Gray  
 7/16" OSB Wall Sheathing  
 Nova Wrap  
 12" gable/12" eave overhangs  
 7/16" OSB Roof Sheathing  
 StormMaster Slate, Blackstone Shingles  
 4' Shingleover Ridge Vent  
 White Vinyl Soffit & Fascia  
 White Premium Roof Edge  
 1 - Garage Door Opener  
 White Vinyl Overhead Door Jamb

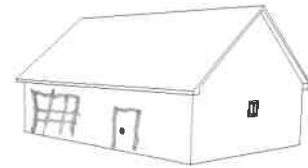
## Options Selected:

The options you have selected are:  
 15 LB Roof Felt  
 2 Rows Granular Ice & Water Barrier  
 Standard Concrete Blocks  
 Anchor Bolts  
 2 - 24x24 Window - White Vinyl Utility  
 1 - 36x80 Service Door - CP1 Flush Steel RS  
 1 - 10x7 Overhead Door - Premium RP MDP38

Front View



Back View



**Estimated base price: \$5,847.99\***

The base price includes: 0" Eave/0" Gable Overhangs, Framing Materials, 7/16 OSB Roof Sheathing, 20 yr. Fiberglass Classic - Onyx Black Shingles, Pine Fascia, Galvanized Regular Roof Edge, 8" Textured Vertical Hardboard Siding, No Service Doors, No Overhead Doors, No Windows, or Any Other Options.

**Estimated price: \$10,378.42\***

\*Today's estimated price, future pricing may go up or down.

\*Tax, labor, and delivery not included.

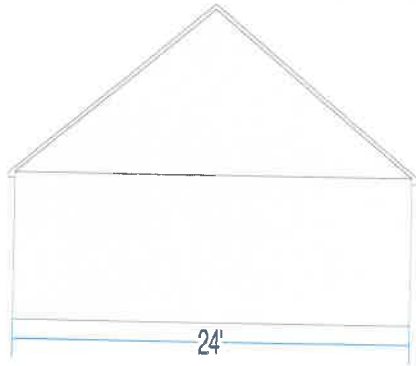
Jobsite delivery may be required for trusses.

**\*\*\* Take this sheet to the Building Materials counter to purchase your materials. \*\*\***

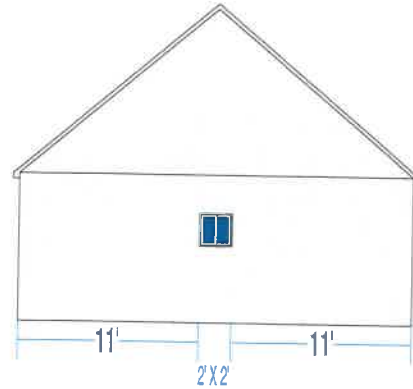
Floor type (concrete, dirt, gravel) is NOT included in estimated price. The floor type is used in the calculation of materials needed. Labor, foundation, steel beams, paint, electrical, heating, plumbing, and delivery are also NOT included in estimated price. This is an estimate. It is only for general 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 THE 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.

\*\*\* Here are the wall configurations for your design.

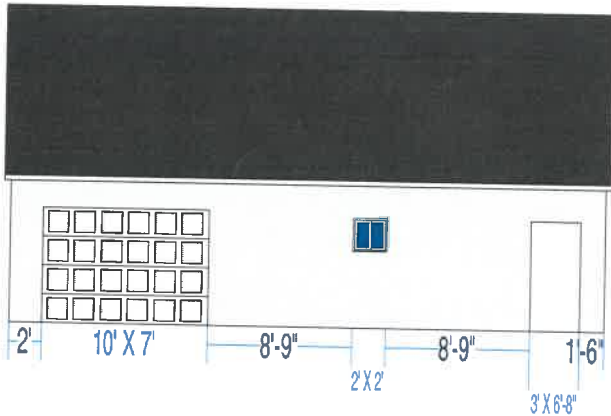
Illustration May Not Depict All Options Selected



Gable Front View

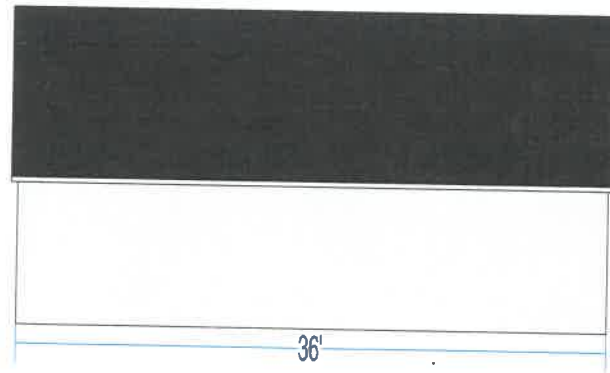


(1) - 24X24 WHITE VINYL UTILITY WINDOW



Eave Front View

- (1) - MDP38 10X7 EZ-SET WHITE MDP38 INSUL
- (1) - 24X24 WHITE VINYL UTILITY WINDOW
- (1) - CP1 FLUSH STEEL DOOR PH 36X80 RH SB



Eave Back View

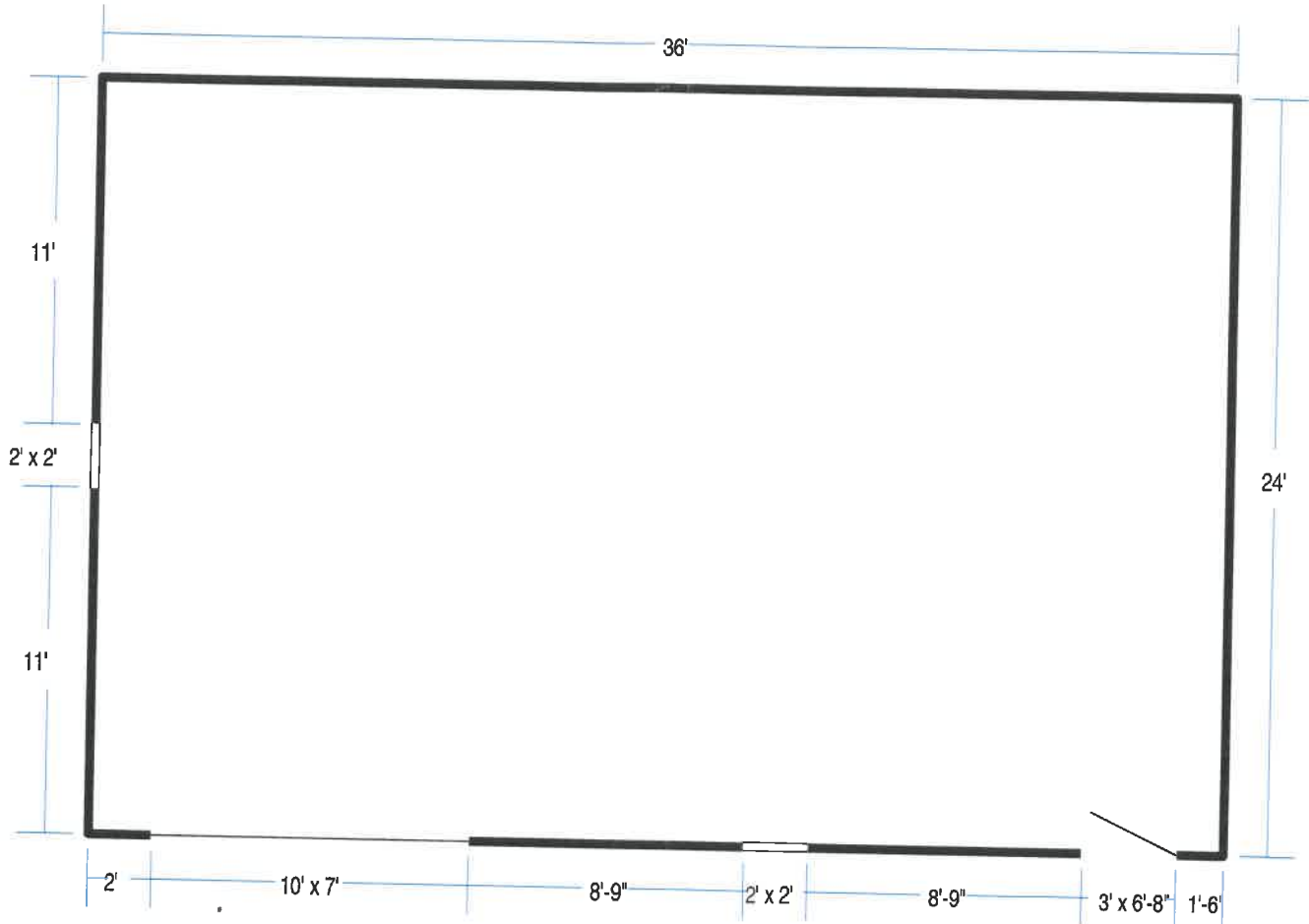
Building Size: 24 feet wide X 36 feet long X 8 feet high

Approximate Peak Height (includes 1 row of concrete blocks): 19 feet 6 inches (234 inches)

Menards provided material estimates are intended as a general construction aid and have been calculated using typical construction methods. Because of the wide variable in codes and site restrictions, all final plans and material lists must be verified with your local zoning office, architect and/or builder for building design and code compliance. Menards is a supplier of construction materials and does not assume liability for design, engineering or the completeness of any material lists provided. Underground electrical, phone and gas lines should be located and marked before your building plans are finalized. Remember to use safety equipment including dust masks and sight and hearing protection during construction to ensure a positive building experience.

## \*\*\* Garage Floor Plan.

Illustration May Not Depict All Options Selected



Building Size: 24 feet wide X 36 feet long X 8 feet high

Note: Wall construction is 2x4 @ 16" on center

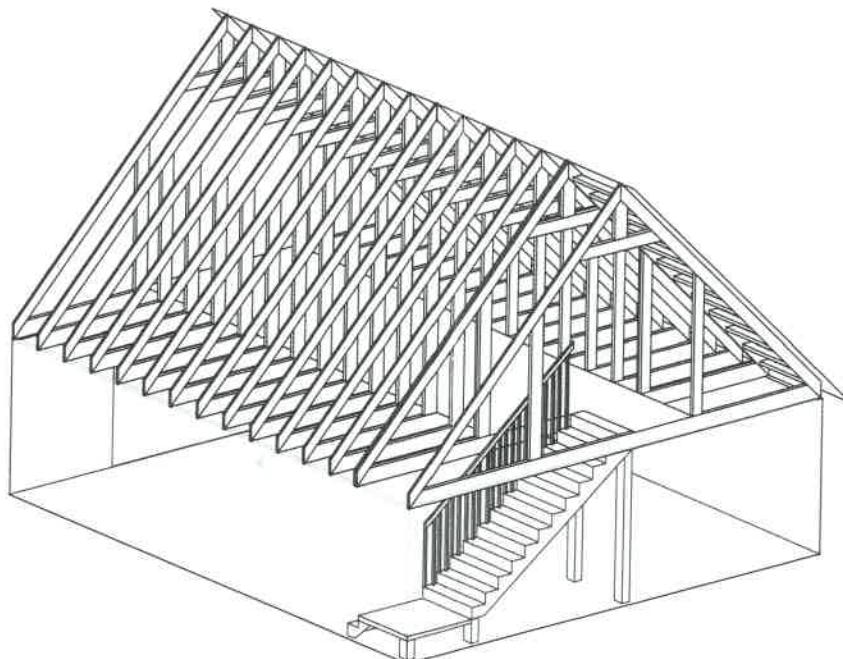


Illustration May Not Depict All Options Selected

## Helpful Hints for Room In Attic Garage Construction

- ~ **Trusses can not be cut or modified.**
- ~ Increased loading for the floor is in the attic room area only.
- ~ **Trusses included in this estimate do not include overhangs.**  
 Material to hand frame the overhang is included in the estimate.  
 Framing details for proper installation of overhangs is available.  
 Additional truss designs are also available, including trusses with eave overhangs, additional room sizes and more. See a building materials team member for more information about truss design and overhang framing details.
- ~ Buildings with stairs require modified truss spacings at the stair opening. Stairs in this building are located on the end of the building to maximize space and minimize cost of materials but can be moved if needed, additional trusses and framing materials are required to move the stairs to a different location.
- ~ Changing the end trusses to regular trusses may make it easier to install attic windows or to add insulation to your garage in the future.  
 Switching to end trusses will require additional plate and stud materials.

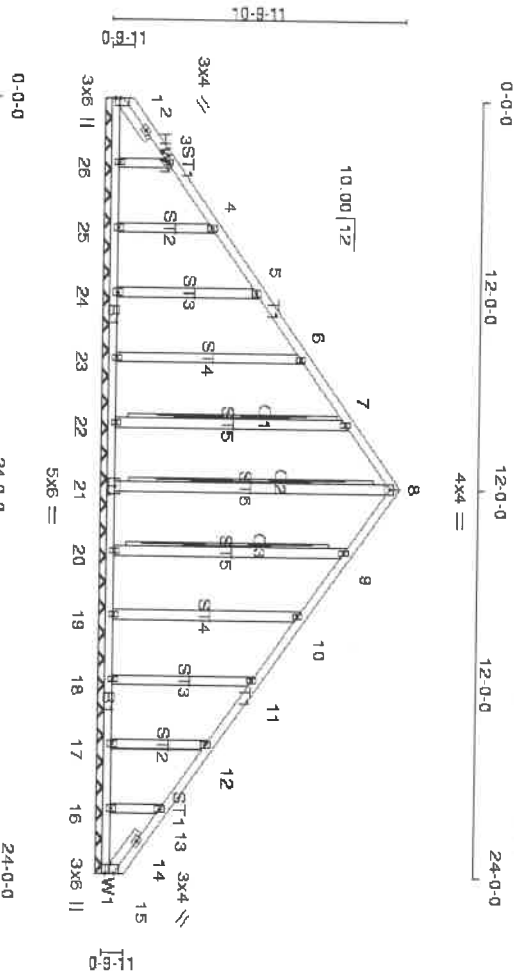
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Microwest Manufacturing, HOLLIDAY CIII Y, OH

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Scale = 1/8" = 1'



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TOLL (roof) 42.0	Plates Increase 2-0-0	TC 0.09	in (loc) n/a	MT20	197/144
Snow (Ps/Pg) 38.6/60.0	Lumber Increase 1.15	BC 0.05	n/a		
TCDL 7.0	Rep Stress Incr YES	WB 0.25	Vert(TL) n/a		
BCDL 0.0	Code IRC2009/TP12007	(Matrix)	Horz(TL) 0.01		
BCDL 10.0				Weight: 139 lb	FT = 0

**LUMBER**  
 TOP CHORD 2x4 SPF No.2  
 BOT CHORD 2x4 SPF No.2  
 WEBS 2x4 SPF Stud  
 OTHERS 2x4 SPF Stud \*Except\*  
 SLIDER ST6,ST5: 2x4 SPF No.2  
 Left 2x4 SPF Stud 1-7-11, Right 2x4 SPF Stud 1-7-11

**BRACING**  
 TOP CHORD  
 BOT CHORD  
 WEBS  
 Structural wood sheathing directly applied or 6'-0-0 oc purlins.  
 Rigid ceiling directly applied or 10'-0-0 oc bracing.  
 T-Brace: 2x4 SPF No.2 - 8-21, 7-22, 9-20  
 Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c. with 3in minimum end distance.  
 Brace must cover 90% of web length.  
 Milltek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS**  
 All bearings 24-0-0.  
 Max Horiz 1 = 249(LC 7)  
 Max Uplift: All uplift 100 lb or less at joint(s) 1, 15, 22, 23, 24, 25, 20,  
 19, 18, 17 except 26 = 126(LC 9), 16 = 119(LC 10)  
 Max Grav All reactions 250 lb or less at joint(s) 1, 15, 21, 24, 25, 18,  
 17 except 22 = 345(LC 3), 23 = 275(LC 3), 26 = 255(LC 14), 20 = 345(LC 4),  
 19 = 275(LC 4), 16 = 255(LC 15)

**FORCES (lb)** - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 1-2 = 254/149  
 WEBS 7-22 = 305/75, 9-20 = 305/73

**JOINT STRESS INDEX**  
 1 = 0.58, 1 = 0.26, 2 = 0.00, 3 = 0.38, 4 = 0.38, 5 = 0.38, 6 = 0.38, 7 = 0.38, 8 = 0.36, 9 = 0.38, 10 = 0.38, 11 = 0.38, 12 = 0.38, 13 = 0.38, 14 = 0.00, 15 = 0.58, 16 = 0.26, 16 = 0.38, 17 = 0.38, 18 = 0.38, 19 = 0.38, 20 = 0.38, 21 = 0.22, 22 = 0.38, 23 = 0.38, 24 = 0.38, 25 = 0.38 and 26 = 0.38

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Midwest Manufacturing, HOLLAND, OH

/s/ J. J. S. Dec 26 2012 ml ek industries, inc. Tue Apr 15 07:01:39 2013 Page 2  
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**NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-05; 90mph; TCDF=4.2psf; BCDL=6.0psf; h=16ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and G-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; G-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/TP11.
- 4) TOLL: ASCE 7-05; P<sub>r</sub>=42.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); P<sub>g</sub>=60.0 psf (ground snow); P<sub>s</sub>=98.6 psf (roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; C<sub>h</sub>=1.1
- 5) Roof design snow loads have been reduced to account for slope.
- 6) Unbalanced snow loads have been considered for this design.
- 7) All plates are 2x4 MT20 unless otherwise indicated.
- 8) Gable studs continuous bottom chord bearing.
- 9) Gable studs spaced at 2'-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" tall by 2'-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) 1, 15, 22, 23, 24, 25, 20, 19, 18, 17 except (l=lb) 26-126, 16-119.
- 13) This truss is designed in accordance with the 2009 International Residential Code sections R502.1.1 and R802.10.2 and referenced standard ANSI/TP11.
- 14) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
- 15) Attic room checked for L/360 deflection.

**LOAD CASE(S)** Standard





Midwest Mfg., HOLLIDAY CITY, OH

**NOTES** (13)

- 5) Unbalanced snow loads have been considered for this design.
- 6) All plates are M120 plates unless otherwise indicated.
- 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.
- 9) Ceiling dead load (5.0 psf) on member(s): 2-3, 5-6, 3-5; Wall dead load (5.0psf) on member(s): 2-10, 6-8
- 10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 8-10
- 11) This truss is designed in accordance with the 2009 International Residential Code sections R502.1.1.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 12) Attic room checked for L/360 deflection.

**LOAD CASE(S)** Standard

7:20:58 May 11 2011 Milltek Industries, Inc. Wed May 16 07:20:00 2012 Page 2  
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