

CITY OF NAPOLEON GENERAL PERMIT APPLICATION

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

P-16-0178

DATE 5-17-16 JOB LOCATION 907 Welsted St
 OWNER Christopher Bullock TELEPHONE # 418-591-1484
 OWNER ADDRESS 907 Welsted St Napoleon, OH 43545
 CONTRACTOR Graig Boulton CELL PHONE # 419-572-1513
 DESCRIPTION OF WORK TO BE PERFORMED garage

ESTIMATED COMPLETION DATE _____ ESTIMATED COST \$ 43,000.00

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
BUILDING:		
<i>Decks</i>	\$25.00	\$
<i>Addition & Alterations</i> Square foot in (AFA) x \$0.05 = \$	+	\$25.00 = \$
Garage and Shed over 200 SF (Detached)	\$25.00	\$ <u>25.00</u>
Siding and/or Roofing	\$25.00	\$
Windows/Doors	\$25.00	\$
ELECTRICAL:		
<i>Electrical</i> Circuits in (AFA) x \$3.00/Circuit = \$	+	\$25.00 = \$
Electrical Service Upgrade	\$25.00	\$
MECHANICAL:		
Water Heater	\$25.00	\$
Furnace and/or AC Replacement	\$25.00	\$
PLUMBING:		
<i>Plumbing</i> Traps in (AFA) x \$3.00/Trap = \$	+	\$25.00 = \$
TOTAL plus Ohio Board of Building Standards Fee 1%		\$ <u>25</u>
TOTAL FEE:		\$ <u>25²⁵</u>

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: <u>Christopher m Bullock</u>	DATE: <u>5/17/16</u>
PRINT NAME: <u>Christopher m. Bullock</u>	
BATCH # <u>3425</u>	CHECK # <u>13418</u>
DATE _____	

Job 1611331-05T	Truss B	Truss Type ATTIC	Qty 21	Ply 1	HOLGATE 1611331-05T (KDM)
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Stark Truss Company, Inc., Edgerton, OH

7.640 s Oct 7 2015 Mitek Industries, Inc. Thu Jul 07 10:49:47 2016 Page 1

ID: AyPvd7X5aq6zmFkUi5W9oz8daW-aLSDe0JF80h0Ccf7t65E39qTEO4jr7awjh6KwXz_Uxo

1-0-0	4-4-4	10-6-5	12-6-0	14-5-11	20-7-12	25-0-0	26-0-0
1-0-0	4-4-4	6-2-1	1-11-11	1-11-11	6-2-1	4-4-4	1-0-0

4x6 =

Scale = 1:55.3

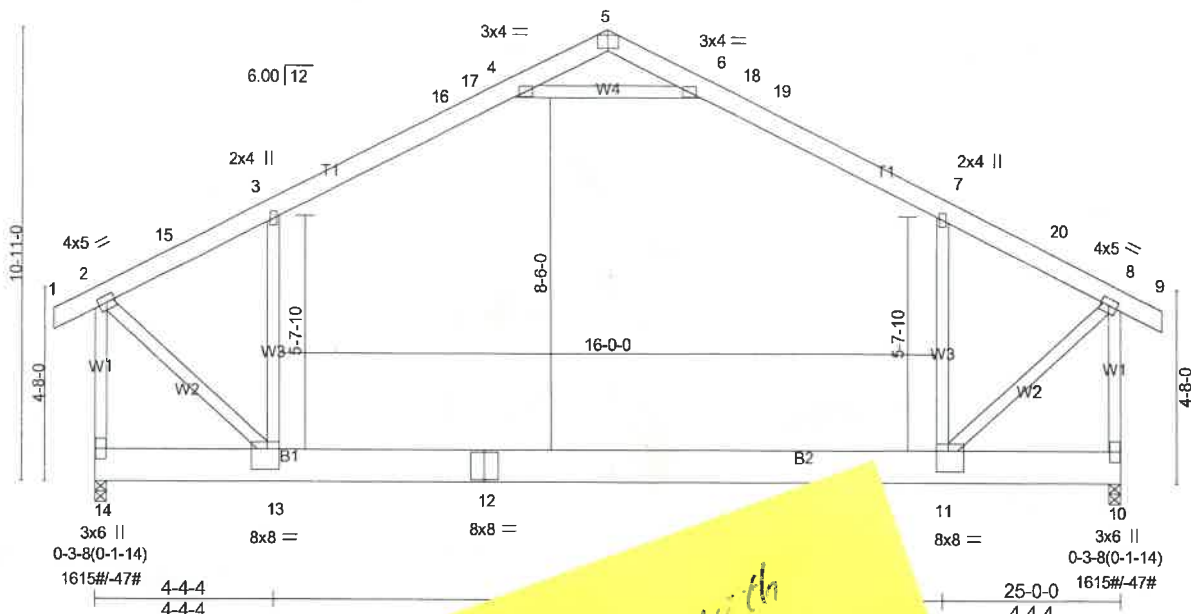


Plate Offsets (X,Y)--	[5:0-3-0,Edge], [11:0-3-8,0-6-0], [13:0-3-8,0-6-0]
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LOADING (psf)	SPACING-		L/d	PLATES	GRIP
TCLL (roof) 25.0	2-0		360	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15		40		
TCDL 10.0	Lumber DOL 1.15		/a		
BCLL 0.0	Rep Stress Incr YES		0		
BCDL 10.0	Code IBC2009/TPI2007				
				Weight: 191 lb	FT = 14%

LUMBER-
 TOP CHORD 2x6 SPF No.2
 BOT CHORD 2x10 SP No.1
 WEBS 2x4 SPF Stud

Correctly applied or 2-2-0 oc purlins,
 2-0 oc bracing.
 members and required cross bracing
 in accordance with Stabilizer

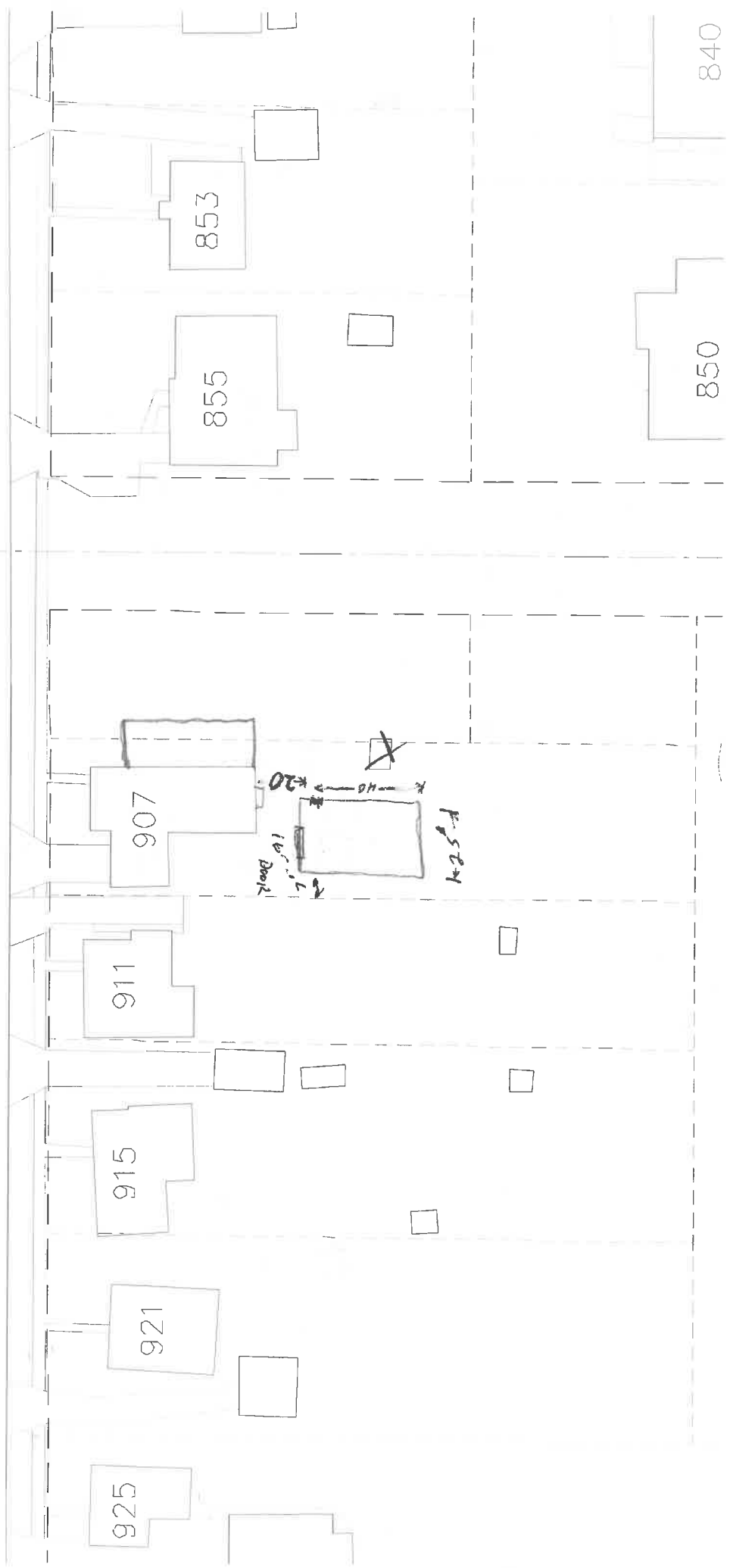
REACTIONS. (lb/size) 14=1262/0-3-8 (min. 0-1-14), 10=1262/0-3-8
 Max Horz 14=-235(LC 10)
 Max Uplift 14=-47(LC 12), 10=-47(LC 13)
 Max Grav 14=1615(LC 3), 10=1615(LC 3)

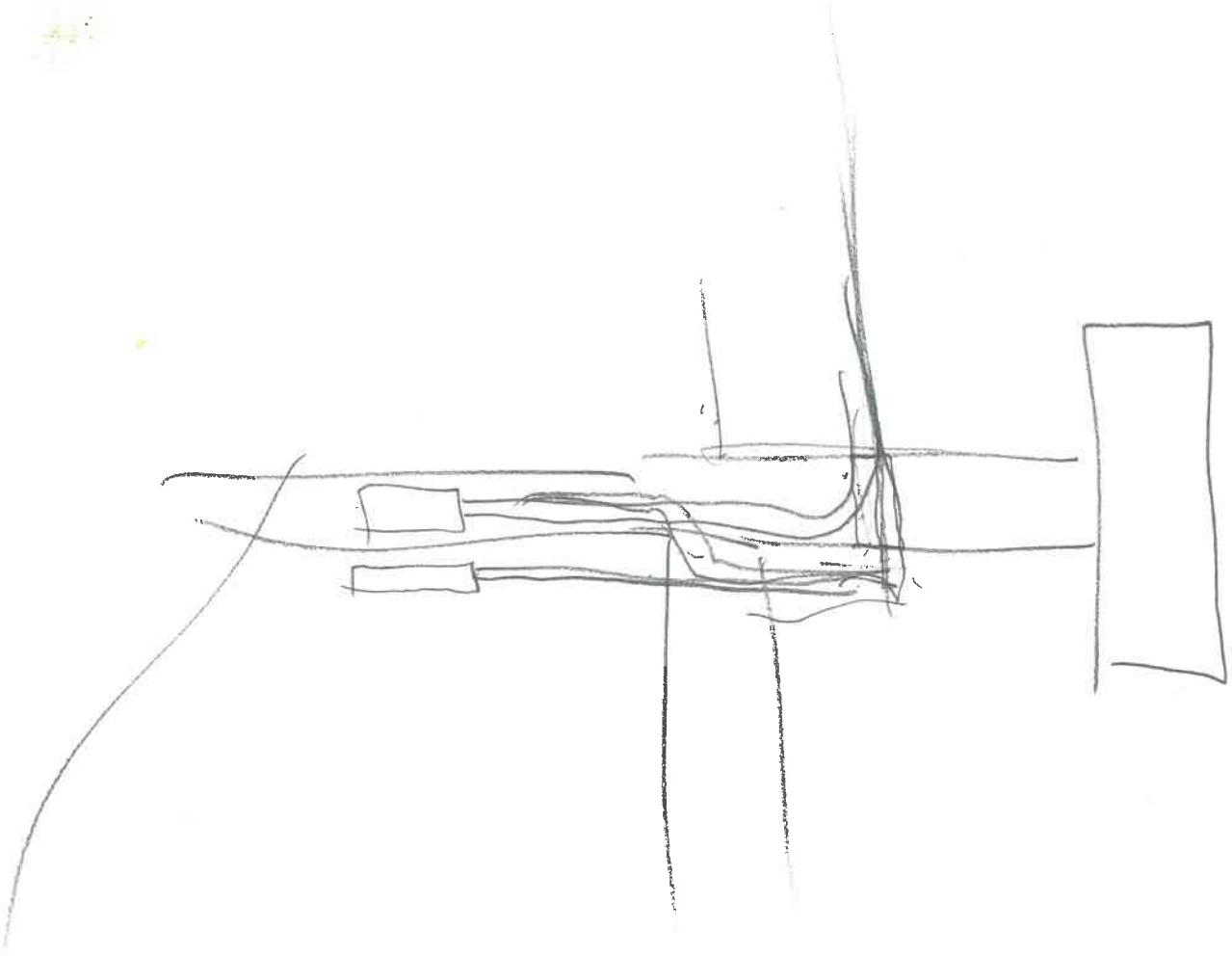
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except
 TOP CHORD 2-15=-1274/38, 3-15=-1177/50, 3-16=-1173/132, 16-17=-1029/16
 4-5=-68/661, 5-6=-68/661, 6-18=-1027/172, 18-19=-1029/16
 7-20=-1177/50, 8-20=-1274/38, 2-14=-1825/68, 8-10=-1825/68
 BOT CHORD 12-13=-10/1049, 11-12=-10/1049
 WEBS 4-6=-1582/60, 3-13=-443/263, 7-11=-443/263, 2-13=0/1444, 8-10=0/1444

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 12-6-0, Exterior(2) 12-6-0 to 15-6-0 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 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
 - 4) Unbalanced snow loads have been considered for this design.
 - 5) This truss has been designed for greater of min in roof live load of 12.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - 6) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) Ceiling dead load (5.0 psf) on member(s): 3-4, 6-7, 4-6; Wall dead load (5.0psf) on member(s): 3-13, 7-11
 - 9) Bottom chord live load (30.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 11-13
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 14 and 47 lb uplift at joint 10.
 - 11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 12) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
 - 13) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

This goes with Permit # P-16-0178





Job	Truss	Truss Type	Qty	Ply	HOLGATE 530616 (KDM)
530616	B	ATTIC	9	1	

Stark Truss Company, Inc., Edgerton, OH

Job Reference (optional)
7.640 s Oct 7 2015 MiTek Industries, Inc. Wed Jun 08 08:31:56 2016 Page 1
ID: AyPvd7X5aq6zmFfkU15W9oz8daW-6vSV18pXdgxAnikrLE73lazeJLJ_SxtnKLEZKhz8Pn1

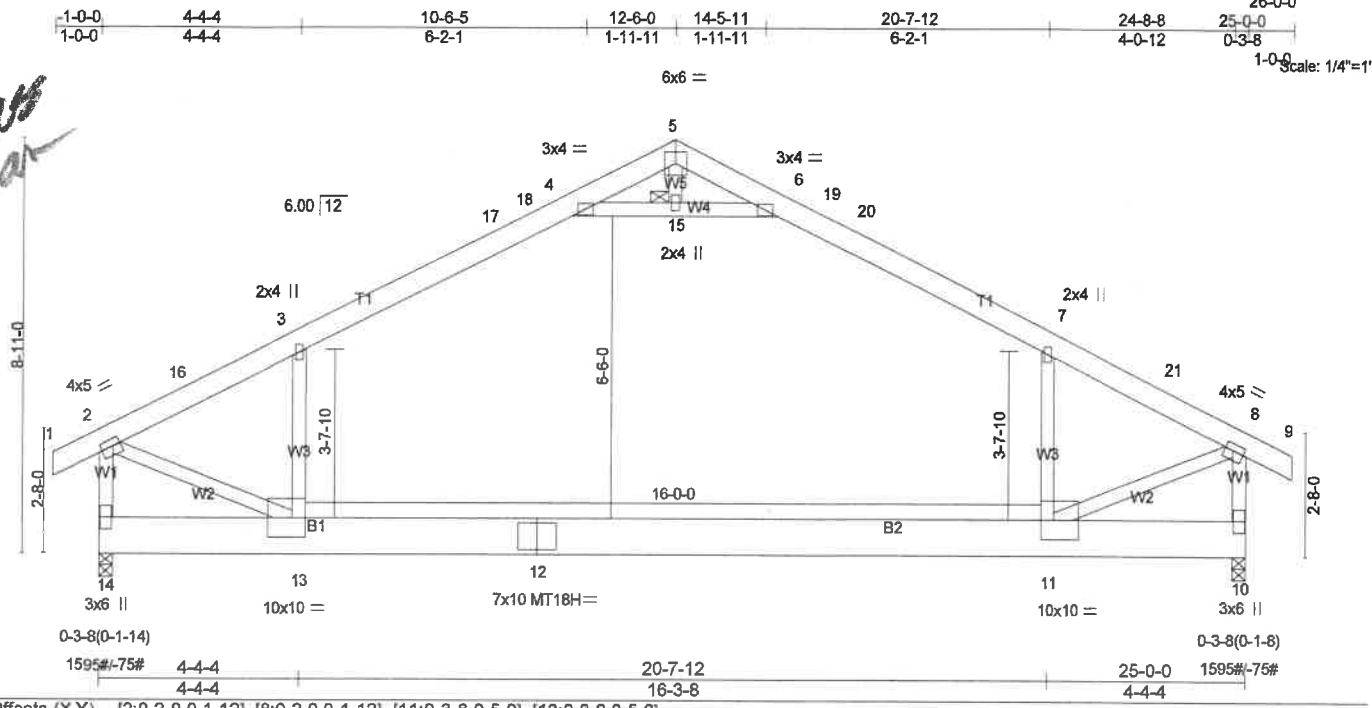


Plate Offsets (X,Y) =	[2-0-2-0, 0-1-12], [8-0-2-0, 0-1-12], [11-0-3-8, 0-5-0], [13-0-3-8, 0-5-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.84	in (loc) l/defl L/d	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.95	Vert(LL) -0.52 11-13 >570 360	MT18H	244/190
TCDL 10.0	Lumber DOL 1.15	WB 0.59	Vert(TL) -0.98 11-13 >303 240		
BCLL 0.0	Rep Stress Incr YES	(Matrix-M)	Horz(TL) 0.01 10 n/a n/a		
BCDL 10.0	Code IBC2009/TPI2007		Attic -0.32 11-13 606 360		
				Weight: 181 lb	FT = 14%

LUMBER-
 TOP CHORD 2x6 SPF 1650F 1.5E
 BOT CHORD 2x10 SP No.1 *Except*
 B2: 2x10 SP 2400F 2.0E
 WEBS 2x4 SPF Stud

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-10-1 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
 JOINTS 1 Brace at Jt(s): 15

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

REACTIONS. (lb/size) 14=1242/0-3-8 (min. 0-1-14), 10=1242/0-3-8 (min. 0-1-8)
 Max Horz 14=-157(LC 10)
 Max Uplift 14=-75(LC 12), 10=-75(LC 13)
 Max Grav 14=1595(LC 3), 10=1595(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-16=-1631/15, 3-16=-1534/28, 3-17=-1425/121, 17-18=-1270/149, 4-18=-1268/152,
 4-5=0/706, 5-6=0/705, 6-19=-1268/155, 19-20=-1270/152, 7-20=-1425/119,
 7-21=-1534/32, 8-21=-1631/20, 2-14=-1694/70, 8-10=-1692/71
 BOT CHORD 12-13=0/1319, 11-12=0/1319
 WEBS 4-15=-1961/49, 6-15=-1961/49, 3-13=-242/482, 7-11=-251/480, 2-13=0/1383,
 8-11=0/1381

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 12-6-0, Exterior(2) 12-6-0 to 15-6-0 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
 - TCLL: ASCE 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
 - 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 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Ceiling dead load (5.0 psf) on member(s). 3-4, 6-7, 4-15, 6-15; Wall dead load (5.0psf) on member(s). 3-13, 7-11
 - Bottom chord live load (30.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 11-13
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 10.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
 - Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

JOB	Truss	Truss Type	Qty	Ply	HOLGATE 530616 (KDM)
530616	AGE	GABLE	1	1	Job Reference (optional)

Stark Truss Company, Inc., Edgerton, OH

7,640 s Oct 7 2015 MiTek Industries, Inc. Wed Jun 08 08:31:56 2016 Page 1
 ID: AyPvd7X5aq6zmFfkUj5W9oz8daW-6vSV8pXdxgAnikrLE?3lazzq1LXKS3JnKLEZKhz8Pr1

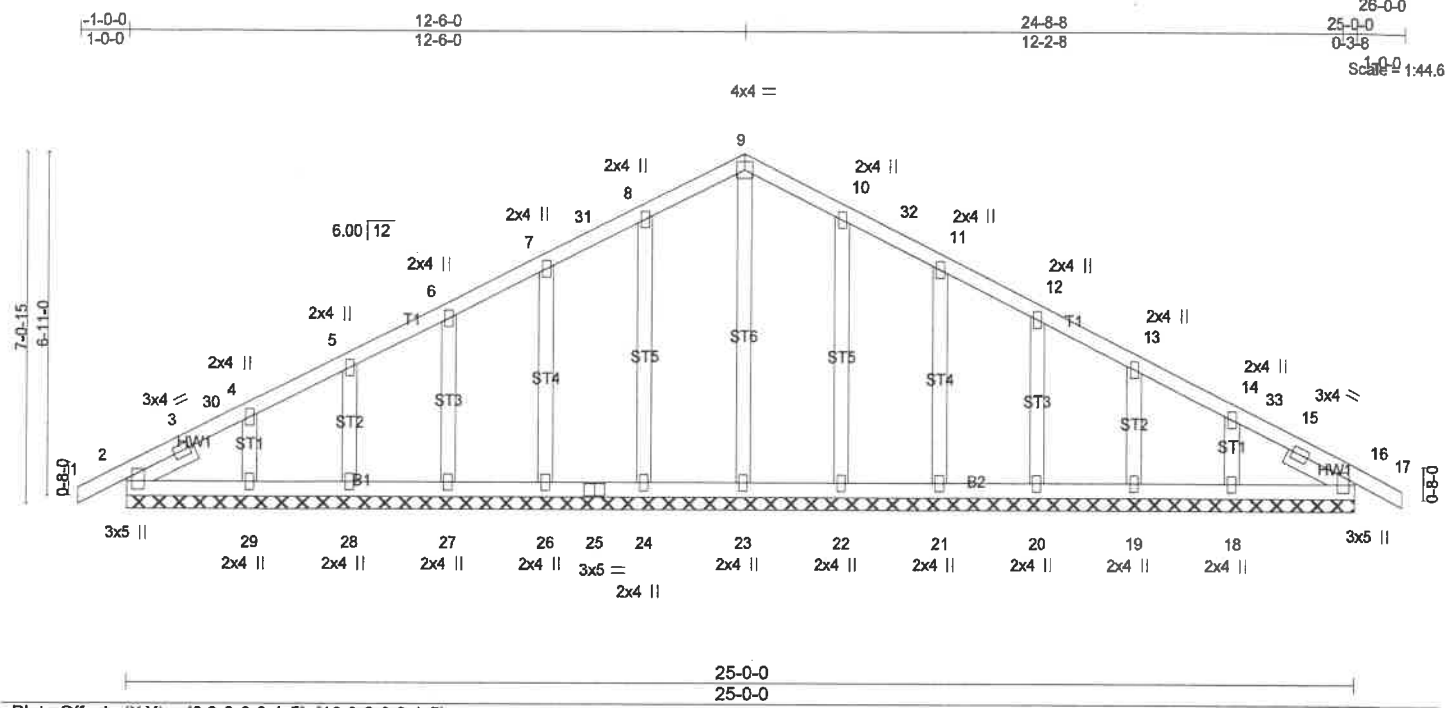


Plate Offsets (X,Y) - [2:0-2-0 0-1-5], [16:0-2-9 0-1-5]

LOADING (psf)		SPACING-		CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	-0.00	16	n/r	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.03	Vert(TL)	-0.00	16	n/r		
TCDL	10.0	Rep Stress Incr.	YES	WB	0.12	Horz(TL)	0.00	16	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							
BCDL	10.0									Weight: 112 lb	FT = 14%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 OTHERS 2x4 SPF Stud
 SLIDER Left 2x4 SPF Stud 1-6-7, Right 2x4 SPF Stud 1-6-7

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.

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

REACTIONS. All bearings 25-0-0.
 (lb) - Max Horz 2--89(LC 11)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 24, 26, 27, 28, 29, 22, 21, 20, 19, 18, 16
 Max Grav All reactions 250 lb or less at joint(s) 2, 23, 24, 26, 27, 28, 29, 22, 21, 20, 19, 18, 16

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 12-6-0, Exterior(2) 12-6-0 to 15-6-0 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
 - 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 7-05; Pr=25.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
 - 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 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 24, 26, 27, 28, 29, 22, 21, 20, 19, 18, 16.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

