

A= Indicates Left End of Truss
(Reference Engineered Truss Drawing)
Do NOT Erect Truss Backwards

BUILDER Ben Stout Real Estate CITY / CO. Harnett County / Harnett JOB NAME Lot 39 Blackberry Manor **ADDRESS** 39 Kotata Ave PLAN Appleton / BBH-2034 MODEL Roof SEAL DATE N/A DATE REV. 03/13/20 QUOTE # Quote # DRAWN BY David Landry JOB# J0320-1189 SALES REP. Marshall Naylor

1700 3400 5100 6800 8500 10200 113600 LOAD CHART FOR JACK STUDS David Landry David Landry

Reilly Road Industrial Park Fayetteville, N.C. 28309 Phone: (910) 864-8787 Fax: (910) 864-4444

TRUSSES & BEAMS ROOF & FLOOR

COMTECH

eaction Summary of Order

ROOF & FLOOR comTech TRUSSES & BEAMS

ly Road Industrial Park P.O. Box 40408 etteville, N.C. 28309 (910) 864-TRUS y Office: (919) 816-0105

REQ. QUOTE DATE	/ /	ORDER#	J0320-1189
ORDER DATE	03/13/20	QUOTE #	
DELIVERY DATE	11	CUSTOMER ACCT#	000007060
DATE OF INVOICE	11	CUSTOMER PO#	
ORDERED BY	Ben Stout	INVOICE #	
COUNTY	Harnett	TERMS	
SUPERINTENDANT	Ben Stout	SALES REP	Marshall Naylor
JOBSITE PHONE #	(910) 476-4502	SALES AREA	David Landry

Benjamin Stout Real Estate PO Box 53798

MODEL:Roof

LOT # 39

SUBDIV: Blackberry Manor

Fayetteville, NC 28305

TAG: Appleton / BBH-2034 DELIVERY INSTRUCTIONS:

JOB CATEGORY: Residential - Roof

(910) 476-4502

Ben Stout Real Estate 39 Kotata Ave **Harnett County, NC**

JOB NAME: Lot 39 Blackberry Manor

SPECIAL INSTRUCTIONS:

Lot 8 Barrington Place

PLAN SEAL DATE: N/A DATE

of Order

BY IILDING DEPARTMENT OVERHANG INFO HEEL HEIGHT 00-06-08 **REQ. LAYOUTS REQ. ENGINEERING** QUOTE DTL 03/13/20 END CUT RETURN LAYOUT DTL 03/13/20 GABLE STUDS 16 IN. OC JOBSITE JOBSITE 03/13/20 **CUTTING** DTL

?OOF T	RUS	SES		DADING FORMATION	TCLL-TCDL-B		_	RESS INCR.	RO	OF TRUSS S	SPACING:24.0	IN. O.C. (TYP	P.)	
PROFILE	QTY		СН	TYPE	BASE O/A		BER	OVE	RHANG	REACTIO)NS			
	PLY	8.00	0.00	ATTIC A1	43-10-00		BOT 2 X 10	LEFT 0 00-11-00	00-11-00	Joint 2 2229.8 lbs. -20.5 lbs.	Joint 12 2093.6 lbs. 10.1 lbs.	Joint 16 678.5 lbs. -355.8 lbs.	Joint 18 1036.8 lbs. 108.9 lbs.	
	1	8.00	0.00	GABLE A1GE	43-10-00 43-10-00	2 X 6	2 X 10	0 00-11-00	00-11-00	Joint 2 2227.5 lbs. -313.1 lbs.	Joint 28 2094.4 lbs. -251.5 lbs.	Joint 38 669.6 lbs. -469.6 lbs.	Joint 40 1051.9 lbs. 72.0 lbs.	
	2	8.00	0.00	MONOPITCH A2	15-03-12 15-03-12	2 X 6	2 X 6	00-11-00	00-03-08	Joint 2 667.8 lbs. 39.0 lbs.	Joint 7 639.4 lbs. -178.2 lbs.			
	7	8.00	0.00	MONOPITCH A3	15-03-12 15-03-12	2 X 6	2 X 6	00-11-00		Joint 2 651.3 lbs. 44.0 lbs.	Joint 8 654.3 lbs. -184.9 lbs.			
41	1	8.00	0.00	HALF HIP A3GE	15-03-12 15-03-12	2 X 6	2 X 6	00-11-00		Joint 2 360.1 lbs. -87.8 lbs.	Joint 13 33.2 lbs. -21.7 lbs.	Joint 14 67.2 lbs. -9.8 lbs.	Joint 15 252.8 lbs. -69.7 lbs.	Joint 16 277.2 lbs. -92.2 lbs.
	5	8.00	0.00	COMMON B1	18-07-00 18-07-00	2 X 6	2 X 6	00-11-00	00-11-00	Joint 2 785.6 lbs. -50.3 lbs.	Joint 4 785.6 lbs. -50.3 lbs.			
	1	8.00	0.00	GABLE B1SG	18-07-00 18-07-00	2 X 6	2 X 6	00-11-00	00-11-00	Joint 2 188.1 lbs. -8.3 lbs.	Joint 10 564.3 lbs. -115.6 lbs.	Joint 14 256.6 lbs. 74.9 lbs.	Joint 15 225.0 lbs. -180.9 lbs.	Joint 16 220.6 lbs. -105.2 lbs.
	4	8.00	0.00	COMMON B2	18-07-00 18-07-00	2 X 6	2 X 6		00-11-00	Joint 1 730.3 lbs. -37.5 lbs.	Joint 3 787.0 lbs. -50.4 lbs.			
	1	-8.00	0.00	ROOF B3	18-03-08 18-03-08	2 X 6	2 X 6		00-11-00	Joint 4 766.9 lbs. -28.2 lbs.	Joint 8 738.9 lbs. -87.0 lbs.			
	1	-8.00	0.00	ROOF B4	18-03-08 18-03-08	2 X 6	2 X 6		00-11-00	Joint 5 766.9 lbs. -26.0 lbs.	Joint 9 738.9 lbs. -86.3 lbs.			
	1	-8.00	0.00	ROOF B5	18-03-08 18-03-08	2 X 6	2 X 6		00-11-00	Joint 5 766.9 lbs. -46.0 lbs.	Joint 10 738.9 lbs. -85.7 lbs.			

eaction Summary of Orger

ROOF & FLOOR TRUSSES & BEAMS

ly Road Industrial Park P.O. Box 40408 etteville, N.C. 28309 (910) 864-TRUS y Office: (919) 816-0105

1556 511555	1	1	î.
REQ. QUOTE DATE	11	ORDER#	J0320-1189
ORDER DATE	03/13/20	QUOTE #	
DELIVERY DATE	11	CUSTOMER ACCT #	0000007060
DATE OF INVOICE	11	CUSTOMER PO#	
ORDERED BY	Ben Stout	INVOICE #	
COUNTY	Harnett	TERMS	
SUPERINTENDANT	Ben Stout	SALES REP	Marshall Naylor
JOBSITE PHONE #	(910) 476-4502	SALES AREA	David Landry

Benjamin Stout Real Estate PO Box 53798

Fayetteville, NC 28305 (910) 476-4502

JOB NAME: Lot 39 Blackberry Manor

LOT # 39

SUBDIV: Blackberry Manor

MODEL:Roof TAG: Appleton / BBH-2034

DELIVERY INSTRUCTIONS:

JOB CATEGORY: Residential - Roof

Ben Stout Real Estate 39 Kotata Ave Harnett County, NC

SPECIAL INSTRUCTIONS: Lot 8 Barrington Place

PLAN SEAL DATE:

N/A

BY DATE JILDING DEPARTMENT OVERHANG INFO HEEL HEIGHT 00-06-08 **REQ. LAYOUTS REQ. ENGINEERING** QUOTE DTL 03/13/20 END CUT RETURN of Order LAYOUT DTL 03/13/20 GABLE STUDS 16 IN. OC JOBSITE JOBSITE 1 CUTTING DTL 03/13/20

?OOF T	RUS	SES		DADING FORMATION	TCLL-TCDL-B0			RESS INCR.	ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)					
PROFILE	QTY	PIT	СН	TYPE	BASE		IBER	-	HANG	DEACTIO	NO			
	PLY	TOP	вот	ID	O/A		вот	LEFT	RIGHT	REACTIONS				
	1	-8.00	0.00	ROOF B6	18-03-08 18-03-08	2 X 6	2 X 6		00-11-00	Joint 5 766.7 lbs. -56.0 lbs.	Joint 10 738.9 lbs. -85.5 lbs.			
	1	8.00	0.00	COMMON C1GE	11-05-00 11-05-00	2 X 6	2 X 6	00-11-00	00-11-00	Joint 2 130.1 lbs. -26.2 lbs.	Joint 8 130.0 lbs. -1.1 lbs.	Joint 10 170.9 lbs. -98.6 lbs.	Joint 11 182.5 lbs. -83.0 lbs.	Joint 12 126.0 lbs. 28.0 lbs.
	6	5.00	0.00	MONOPITCH M1	06-00-00 06-00-00	2 X 6	2 X 6	00-11-00		Joint 2 276.9 lbs. -72.4 lbs.	Joint 4 222.5 lbs. -74.0 lbs.			
	1	5.00	0.00	MONOPITCH M1GE	06-00-00 06-00-00	2 X 6	2 X 6	00-11-00		Joint 2 111.9 lbs. -3.3 lbs.	Joint 6 15.4 lbs. -11.3 lbs.	Joint 7 54.5 lbs. -21.1 lbs.	Joint 8 162.2 lbs. -62.5 lbs.	Joint 9 170.9 lbs. -71.7 lbs.
	3	5.00	0.00	MONOPITCH M2	08-00-00 08-00-00	2 X 6	2 X 6	00-11-00		Joint 2 354.2 lbs. -88.8 lbs.	Joint 6 312.7 lbs. -99.0 lbs.			
	1	5.00	0.00	MONOPITCH M2GE	08-00-00 08-00-00	2 X 6	2 X 6	00-11-00		Joint 2 107.1 lbs. 10.3 lbs.	Joint 10 293.4 lbs. -118.1 lbs.	Joint 11 81.5 lbs. -28.5 lbs.	Joint 12 187.3 lbs. -80.3 lbs.	
	10	8.00	0.00	PIGGYBACK PB	09-11-12 09-11-12	2 X 4	2 X 4			Joint 2 228.5 lbs. -31.6 lbs.	Joint 4 228.5 lbs. -40.1 lbs.	Joint 6 401.0 lbs. 6.9 lbs.		
	1	8.00	0.00	GABLE PBGE	09-11-12 09-11-12	2 X 4	2 X 4	_		Joint 2 138.0 lbs. -22.9 lbs.	Joint 6 138.0 lbs. -23.7 lbs.	Joint 8 276.6 lbs. -136.7 lbs.	Joint 9 103.9 lbs. 20.4 lbs.	Joint 10 277.5 lbs. -137.5 lbs.

TEMS

QTY	ITEM TYPE	SIZE	LENGTH FT-IN-16	PART NUMBER	NOTES	
11	Hangers, USP	HUS 26			SIMPSON (HUS26)	



RE: J0320-1189

Lot 39 Blackberry Manor

Trenco

818 Soundside Rd Edenton, NC 27932

Site Information:

Customer:

Project Name: J0320-1189

Lot/Block:

Model:

Address:

Subdivision:

City:

State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: IRC2015/TPI2014

Design Program: MiTek 20/20 8.1

Wind Code: ASCE 7-10

Wind Speed: 130 mph

Roof Load: 40.0 psf Floor Load: N/A psf
This package includes 19 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date
1	E13912794	a1	1/2/2020
2	E13912795	a1ge	1/2/2020
3	E13912796	a2	1/2/2020
4	E13912797	a3	1/2/2020
5	E13912798	a3ge	1/2/2020
6	E13912799	b1	1/2/2020
7	E13912800	b1sg	1/2/2020
8	E13912801	b2	1/2/2020
9	E13912802	b3	1/2/2020
10	E13912803	b4	1/2/2020
11	E13912804	b5	1/2/2020
12	E13912805	b6	1/2/2020
13	E13912806	c1ge	1/2/2020
14	E13912807	m1	1/2/2020
15	E13912808	m1ge	1/2/2020
16	E13912809	m2	1/2/2020
17	E13912810	m2ge	1/2/2020
18	E13912811	pb	1/2/2020
19	E13912812	pbge	1/2/2020

The truss drawing(s) referenced above have been prepared by

Truss Engineering Co. under my direct supervision

based on the parameters provided by Comtech, Inc - Fayetteville.

Truss Design Engineer's Name: Gilbert, Eric

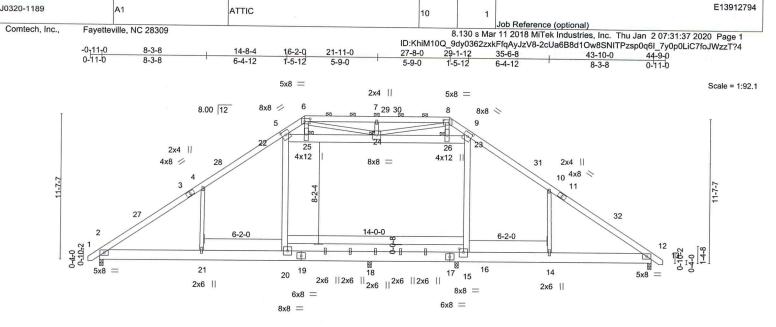
My license renewal date for the state of North Carolina is December 31, 2020

North Carolina COA: C-0844

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 TRENCO. Any project specific information included is for TRENCO customers file reference purpose only, and was not taken into account in the preparation of these designs. 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.



January 02, 2020



Qty

	8-2-12 8-2-12	14-8-4 21-5-8 6-5-8 6-9-4	28-6-4 7-0-12		35-7-4 6-5-8		43-10-0 8-2-12	
Plate Offsets (X,Y)	[5:0-4-0,0-3-12], [6:0-5-4,0-2-12],					2-0,0-3-0]	0-2-12	
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	TC 0.37 BC 0.84	DEFL. Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in (loc) -0.31 20-21 -0.56 20-21 0.05 12 0.25 21	l/defl >818 >454 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 462 lb	GRIP 244/190 FT = 20%

LUMBER-BRACING-

TOP CHORD 2x6 SP No.1

BOT CHORD 2x10 SP No.1 *Except*

15-20: 2x8 SP No.1

2x4 SP No.3 *Except* WEBS

5-20,9-15: 2x6 SP No.1, 22-23: 2x8 SP No.1

TOP CHORD Structural wood sheathing directly applied or 4-2-0 oc purlins, except

Lot 39 Blackberry Manor

2-0-0 oc purlins (6-0-0 max.): 6-8.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-1-14 oc bracing: 2-21

8-6-8 oc bracing: 20-21. **JOINTS** 1 Brace at Jt(s): 24, 25, 26

All bearings 0-3-8 REACTIONS.

(lb) -Max Horz 2=272(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) 2 except 16=-356(LC 8)

Max Grav All reactions 250 lb or less at joint(s) except 2=2229(LC 20), 12=2093(LC 20), 18=1038(LC 18),

16=678(LC 25)

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

TOP CHORD 2-4=-2880/257, 4-5=-2819/467, 5-6=-1834/368, 6-7=-1283/215, 7-8=-1283/215,

8-9=-1520/356, 9-10=-2854/494, 10-12=-3028/293

BOT CHORD 2-21=-69/2413, 20-21=-72/2417, 18-20=-85/2463, 16-18=-85/2463, 15-16=-85/2463,

14-15=-72/2397, 12-14=-68/2395

WEBS 20-22=-91/889, 5-22=0/419, 15-23=-157/926, 9-23=-221/482, 22-25=-858/241,

24-25=-794/234, 24-26=-1174/247, 23-26=-1227/252, 6-24=-956/181, 7-24=-324/196,

8-24=-567/355, 6-25=-170/952, 8-26=-150/809, 4-21=-414/295, 10-14=-388/291

NOTES-

Job

Truss

Truss Type

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) -0-9-1 to 3-7-12, Interior(1) 3-7-12 to 16-2-0, Exterior(2) 16-2-0 to 33-10-11, Interior(1) 33-10-11 to 44-7-1 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
 6) Ceiling dead load (10.0 psf) on member(s). 22-25, 24-25, 24-26, 23-26; Wall dead load (5.0psf) on member(s).20-22, 15-23
- 7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 18-20, 16-18, 15-16
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 16=356.
- 9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 11) Attic room checked for L/360 deflection.



👠 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Qua Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Truss Type Qty Lot 39 Blackberry Manor Plv E13912795 J0320-1189 A1GE GABLE Job Reference (optional)

Comtech, Inc.,

Fayetteville, NC 28309

8.130 s Mar 11 2018 MiTek Industries, Inc. Thu Jan 2 07:31:39 2020 Page 1 ID:KhiM10Q_9dy0362zxkFfqAyJzV8-_?cKXsAtY?AsihSsXOvH5FCcywgpHx4?gR8vOPzzT?2

Structural wood sheathing directly applied or 4-4-13 oc purlins,

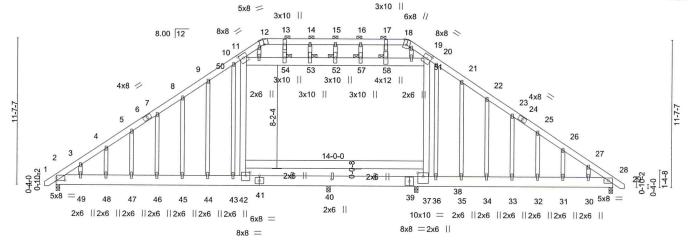
2-0-0 oc purlins (5-10-8 max.): 12-18.

1 Brace at Jt(s): 52, 53, 54, 57, 58

Rigid ceiling directly applied or 10-0-0 oc bracing.

-0₇11₇0 14-8-4 21-11-0 27-8-0 43-10-0 0-11-0 14-8-4 5-9-0 14-8-4 0-11-0

Scale = 1:91.5



	14-0-	-4	21-5-8	28-6-4	29-1-12	43-10-0)	
	14-8-	-4	6-9-4	7-0-12	0-7-8	14-8-4		
Plate Offsets (X,Y	- [2:0-8-5,0-0-6], [2:0-3-2,0 ,5-11-0], [41:0-3-0,5-8-0],	-0-0], [11:0-4-0,0- [41:0-0-0,5-11-0]	3-12], [12:0-4-0,Edge], [41:0-0-0,5-11-0], [41	[18:0-4-13,Edge :0-0-0,5-11-0], [4:], [19:0-4-0,0-3 2:0-4-0,0-3-4], [-12], [37:0-5-0.0-3-8].	[41:0-0-0,5-11-0], [41:0 -2-0,0-3-0]	1-0-0
COADING (psf) FCLL 20.0 FCDL 10.0 FCDL 0.0 FCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/TP	2-0-0 1.15 1.15 YES PI2014	CSI. TC 0.47 BC 0.75 WB 0.64 Matrix-S	DEFL. Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in (loc) -0.31 45-46 -0.56 45-46 0.05 28 0.35 46	l/defl L/d >813 360 >457 240 n/a n/a >725 240	PLATES MT20 Weight: 539 lb	GRIP 244/190 FT = 20%

BRACING-

TOP CHORD

BOT CHORD

JOINTS

except

LUMBER-

TOP CHORD 2x6 SP No.1

BOT CHORD 2x10 SP No.1 *Except* 37-42: 2x8 SP No.1

WEBS 2x6 SP No.1 *Except*

50-51: 2x8 SP No.1

OTHERS 2x4 SP No.3

REACTIONS. All bearings 0-3-8.

(lb) -Max Horz 2=339(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) except 2=-313(LC 12), 28=-251(LC 12),

38=-470(LC 8)

Max Grav All reactions 250 lb or less at joint(s) except 2=2227(LC 20), 28=2094(LC

20), 40=1052(LC 18), 38=670(LC 21)

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

TOP CHORD 2-3=-2951/295, 3-4=-2795/346, 4-5=-2771/409, 5-7=-2763/474, 7-8=-2746/538,

8-9=-2729/603, 9-10=-2751/674, 10-11=-2678/679, 11-12=-1479/421, 12-13=-1364/388,

13-14=-1364/388, 14-15=-1364/388, 15-16=-1364/388, 16-17=-1364/388, 17-18=-1364/388, 18-19=-1483/427, 19-20=-2738/671, 20-21=-2825/672,

21-22=-2823/603, 22-23=-2851/537, 23-25=-2882/473, 25-26=-2903/409,

26-27=-2947/346, 27-28=-3124/315

BOT CHORD 2-49=-212/2425, 48-49=-212/2425, 47-48=-212/2425, 46-47=-212/2425, 45-46=-212/2425,

44-45=-212/2425, 43-44=-212/2425, 42-43=-212/2425, 40-42=-231/2490, 38-40=-231/2490, 37-38=-231/2490, 36-37=-212/2425, 35-36=-212/2425,

34-35=-212/2425, 33-34=-212/2425, 32-33=-212/2425, 31-32=-212/2425, 30-31=-212/2425, 28-30=-212/2425

42-50=-240/964, 11-50=-88/835, 37-51=-380/1058, 19-51=-243/908, 50-54=-1210/348, **WEBS**

53-54=-1210/348, 52-53=-1210/348, 52-57=-1210/348, 57-58=-1210/348,

51-58=-1210/348, 14-53=-332/136, 13-54=-123/546, 16-57=-359/142, 17-58=-137/620

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) Provide adequate drainage to prevent water ponding.
- 5) All plates are 2x4 MT20 unless otherwise indicated.

Gable studs spaced at 2-0-0 oc



January 2,2020

Committee of Page 2 design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

BINITIED OF Page 20 sign parameters and READ NOTES ON THIS AND INCLUDED MITER REPERENCE PAGE MIN-14/3 TeV. INVALUES BEFORE USE.

Design valid for use only with MITER® 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/TPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information

available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply	Lot 39 Blackberry Manor	
J0320-1189	A1GE	GABLE	1	1	E1:	3912795
Comtech, Inc., Fayette	ville, NC 28309		===	9 120 - 14-	Job Reference (optional)	

NOTES-

1 2018 MiTek Industries, Inc. Thu Jan 2 07:31:39 2020 Page 2 $ID: KhiM10Q_9dy0362zxkFfqAyJzV8-_?cKXsAtY?AsihSsXOvH5FCcywgpHx4?gR8vOPzzT?2\\$

- 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 30.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
- 9) Ceiling dead load (10.0 psf) on member(s). 50-54, 53-54, 52-53, 52-57, 57-58, 51-58; Wall dead load (5.0psf) on member(s).42-50, 37-51 10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 40-42, 38-40, 37-38
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 2, 251 lb uplift at joint 28 and 470 lb uplift at joint 38.

 12) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 14) Attic room checked for L/360 deflection.

Job Truss Type Truss Qty Ply Lot 39 Blackberry Manor E13912796 J0320-1189 A2 MONOPITCH Job Reference (optional) Comtech, Inc., Fayetteville, NC 28309 8.130 s Mar 11 2018 MiTek Industries, Inc. Thu Jan 2 07:31:40 2020 Page 1 ID:KhiM10Q_9dy0362zxkFfqAyJzV8-SBAikCAWJJIiJr1246QWeTkq2K8v0SF8u4uSwrzzT?1 0-11-0 15₋7₋4 0-3-8 8-0-0 7-3-12 3x4 || Scale = 1:62.6 5 6 8.00 12 11 4x6 / 3x6 / 3 11-0-10 8 7 9 2x4 || 4x4 = 8-0-0 15-3-12 7-3-12 Plate Offsets (X,Y)-- [2:0-0-0,0-0-4] LOADING (psf) SPACING-2-0-0 CSI. DEFL. in (loc) I/defl L/d **PLATES** GRIP TCLL 20.0 Plate Grip DOL 1.15 TC 0.26 Vert(LL) -0.03 8-9 >999 360 MT20 244/190 TCDL 10.0 Lumber DOL BC Vert(CT) 1.15 0.25 -0.07 8-9 >999 240 **BCLL** 0.0 Rep Stress Incr YES WB 0.32 Horz(CT) 0.01 n/a n/a BCDL 10.0 Code IRC2015/TPI2014 Matrix-S Wind(LL) 0.02 8-9 >999 240 Weight: 118 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

TOP CHORD 2x6 SP No.1 **BOT CHORD** 2x6 SP No.1 2x4 SP No.3 **WEBS**

REACTIONS. (lb/size) 2=668/0-3-8, 7=592/0-3-8

Max Horz 2=347(LC 12) Max Uplift 7=-178(LC 12)

Max Grav 2=668(LC 1), 7=639(LC 19)

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

TOP CHORD 2-3=-748/0

BOT CHORD 2-9=-225/618, 8-9=-225/618 **WEBS** 3-9=0/397, 3-8=-787/285

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) -0-9-1 to 3-7-12, Interior(1) 3-7-12 to 15-3-12 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 178 lb uplift at joint 7.
- 5) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Structural wood sheathing directly applied or 6-0-0 oc purlins,

5-8, 3-8

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

1 Row at midpt

January 2,2020



👠 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 MITE® 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/TPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information

ANSI/TPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information



Job Truss Truss Type Qty Ply Lot 39 Blackberry Manor E13912797 J0320-1189 A3 MONOPITCH Job Reference (optional) Comtech, Inc., Fayetteville, NC 28309 8.130 s Mar 11 2018 MiTek Industries, Inc. Thu Jan 2 07:31:41 2020 Page 1 $ID: KhiM10Q_9dy0362zxkFfqAyJzV8-wOk5yYB84dQZx_cEepxlBgH?lkUulvnl7kd?SHzzT?0$ -0-11-0 0-11-0 15-3-12 8-0-0 3x4 || Scale = 1:62.6 5 6 8.00 12 4x6 / 11 3x6 / 3 9 87 4x6 = 2x4 || 8-0-0 15-3-12 7-3-12 LOADING (psf) SPACING-2-0-0 CSI. DEFL. in (loc) I/defl **PLATES** GRIP L/d TCLL 20.0 Plate Grip DOL 1.15 TC 0.26 Vert(LL) -0.02 >999 2-9 360 MT20 244/190 TCDL 10.0 Lumber DOL 1.15 BC 0.20 Vert(CT) -0.05 2-9 >999 240 BCLL 0.0 Rep Stress Incr WB 0.30 Horz(CT)

0.01

0.02

Wind(LL)

BRACING-

TOP CHORD

BOT CHORD

WEBS

8

1 Row at midpt

2-9

n/a

>999

n/a

240

Rigid ceiling directly applied or 10-0-0 oc bracing.

Structural wood sheathing directly applied or 6-0-0 oc purlins,

5-8.3-8

Weight: 117 lb

FT = 20%

LUMBER-

BCDL

2x6 SP No.1 TOP CHORD **BOT CHORD** 2x6 SP No.1 **WEBS** 2x4 SP No.3

10.0

REACTIONS. 8=605/Mechanical, 2=651/0-3-8 (lb/size)

Max Horz 2=347(LC 12) Max Uplift 8=-185(LC 12)

Max Grav 8=654(LC 19), 2=651(LC 1)

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

Code IRC2015/TPI2014

TOP CHORD 2-3=-708/0

BOT CHORD 2-9=-210/581, 8-9=-210/581 **WEBS** 3-9=0/360, 3-8=-742/268

NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) -0-9-1 to 3-7-12, Interior(1) 3-7-12 to 15-3-12 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Matrix-S

2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

YES

- 3) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 185 lb uplift at joint 8.
- 6) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building



👠 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TP/1 Quality Criteria, DSB-89 and BCSI Building Component fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Qua Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

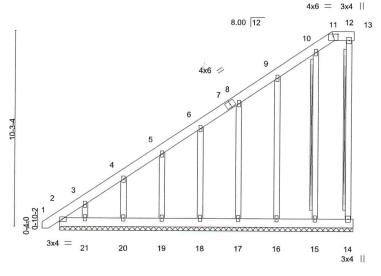


Job Truss Truss Type Qty Ply Lot 39 Blackberry Manor E13912798 J0320-1189 A3GE HALF HIP SUPPORTED Job Reference (optional) Fayetteville, NC 28309 Comtech, Inc.,

8.130 s Mar 11 2018 MiTek Industries, Inc. Thu Jan 2 07:31:42 2020 Page 1 ID:KhiM10Q_9dy0362zxkFfqAyJzV8-PalT9uCmrwYQZ8BQCWS_juqEo8szUO3RMONZ_kzzT??

-0-11-0 0-11-0 15-0-11 16-2-12 14-1-11

Scale = 1:60.6



-0-11-0 0-11-0 16-2-12 15-3-12

Plate Off	sets (A, Y)	[11:0-3-0,0-1-5]										
LOADING TCLL TCDL BCLL BCDL	G (psf) 20.0 10.0 0.0 *	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES	CSI. TC BC WB	0.05 0.02 0.17	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.00 -0.00 -0.01	(loc) 1 1 13	l/defl n/r n/r n/a	L/d 120 120 n/a	PLATES MT20	GRIP 244/190
DODL	10.0	Code IRC2015/T	P12014	Matri	x-S						Weight: 145 lb	FT = 20%

LUMBER-

Plata Officato (V V)

TOP CHORD 2x6 SP No.1 **BOT CHORD** 2x6 SP No.1 **WEBS** 2x4 SP No.3 **OTHERS** 2x4 SP No.3 **BRACING-**TOP CHORD

BOT CHORD WEBS

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 11-13. Rigid ceiling directly applied or 10-0-0 oc bracing. 2x4 SPF No.2 - 12-14, 10-15 T-Brace:

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.

REACTIONS. All bearings 15-3-12.

Max Horz 2=466(LC 12) (lb) -

[11.0 2 0 0 1 5

Max Uplift All uplift 100 lb or less at joint(s) 13, 14, 2, 15, 16, 17, 18, 19, 20

except 21=-181(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 13, 14, 17, 18, 19, 20, 21 except 2=360(LC 12), 15=252(LC 19), 16=277(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-583/474, 3-4=-457/369, 4-5=-377/304, 5-6=-303/246

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) Provide adequate drainage to prevent water ponding.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
- 10) Bearing at joint(s) 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13, 14, 2, 15, 16, 17, 18, 19, 20 except (it=lb) 21=181.
- 12) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 14) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



January 2,2020

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

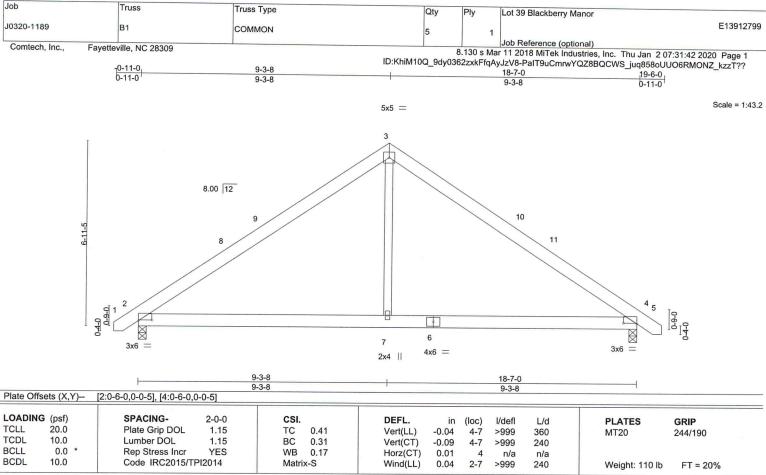
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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

ANSITPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information

ANSITPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information



Edenton, NC 27932



BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

TOP CHORD 2x6 SP No.1 **BOT CHORD** 2x6 SP No.1

2x4 SP No.3 WFBS

(lb/size) 4=786/0-3-8, 2=786/0-3-8

Max Horz 2=-161(LC 10)

Max Uplift 4=-50(LC 13), 2=-50(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-890/199, 3-4=-890/199

BOT CHORD 2-7=0/605, 4-7=0/605

WEBS 3-7=0/448

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) -0-9-1 to 3-7-12, Interior(1) 3-7-12 to 9-3-8, Exterior(2) 9-3-8 to 13-8-5 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.



Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

Job Lot 39 Blackberry Manor Truss Truss Type Qty Ply E13912800 J0320-1189 B1SG GABLE 1 Job Reference (optional) 8.130 s Mar 11 2018 MiTek Industries, Inc. Thu Jan 2 07:31:43 2020 Page 1 ID:KhiM10Q 9dy0362zxkFfqAyJzV8-tmrrNEDOcEgHBImdmEzDG5MOTXBjDsabb266XAzzT?_ Comtech, Inc., Fayetteville, NC 28309 -0-11-0 0-11-0 9-3-8 12-8-11 18-7-0 19-6-0 9-3-8

5x5 =

3x10 > 8.00 12 5 21 19 2x6 | 2x6 || 20 0-4-0 M ********* 13 12 3x4 =2x6 / 4x6 =

	7-5-8 7-5-8	-	12-8-11 5-3-3	18-7-0 5-10-5	
COADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.12 BC 0.11 WB 0.09 Matrix-S	DEFL. in (loc) Vert(LL) -0.01 10-12 Vert(CT) -0.02 10-12 Horz(CT) 0.01 10 Wind(LL) 0.01 10-12	/ / / / / / / / / / / / / / / / / / /	PLATES GRIP MT20 244/190 Weight: 148 lb FT = 20%

BRACING-

JOINTS

TOP CHORD

BOT CHORD

LUMBER-

OTHERS

TOP CHORD 2x6 SP No.1 **BOT CHORD** 2x6 SP No.1 **WEBS** 2x6 SP No.1 *Except*

9-12: 2x4 SP No.3 2x4 SP No.3

REACTIONS. All bearings 7-5-8 except (jt=length) 10=0-3-8, 14=0-3-8.

Max Horz 2=-201(LC 10) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 2, 17 except 10=-116(LC 13), 15=-181(LC 13), 16=-105(LC 12),

15

16

17

18=-107(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 2, 15, 16, 17, 18 except 10=564(LC 1), 14=257(LC 3)

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

TOP CHORD

BOT CHORD 14-15=0/435, 12-14=0/435, 10-12=0/435

15-20=-526/235, 19-20=-462/216, 19-21=-475/221, 9-21=-489/229 **WEBS**

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) All plates are 2x4 MT20 unless otherwise indicated.
- 5) 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 30.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 17 except (it=lb) 10=116, 15=181, 16=105, 18=107.



Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

1 Brace at Jt(s): 19

Scale = 1:45.2

🛦 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/TPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information

VA 22314.



E13912801 J0320-1189 B2 COMMON 4 Job Reference (optional) Comtech, Inc., Fayetteville, NC 28309 8.130 s Mar 11 2018 MiTek Industries, Inc. Thu Jan 2 07:31:44 2020 Page 1 $ID: KhiM10Q_9 dy 0362 zxk FfqAyJzV8-LyPDaa E0NYo8 oSLpJx USoJv UBx Uwylak pisg2czzT_z$ 18-7-0 19-6-0 0-11-0 5x5 = Scale = 1:42.3 2 8.00 12 10 0-6-0 6 3x6 =3x6 4x6 = 2x4 || 9-3-8 Plate Offsets (X,Y)--[1:0-3-11,0-1-8], [3:0-6-0,0-0-5] LOADING (psf) SPACING-CSI. DEFL. in (loc) I/defl L/d **PLATES** GRIP TCLL 20.0 Plate Grip DOL 1.15 TC 0.44 Vert(LL) -0.04 1-6 >999 360 244/190 MT20 TCDL 10.0 Lumber DOL 1.15 BC 0.31 Vert(CT) -0.09 1-6 >999 240 BCLL 0.0 Rep Stress Incr YES WB 0.17 Horz(CT) 0.01 3 n/a n/a BCDL 10.0 Code IRC2015/TPI2014 Matrix-S Wind(LL) 0.04 3-6 >999 240 Weight: 108 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

Qty

Lot 39 Blackberry Manor

Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

LUMBER-

Job

TOP CHORD 2x6 SP No.1 **BOT CHORD** 2x6 SP No.1 WEBS 2x4 SP No 3

REACTIONS. (lb/size) 1=730/0-3-8, 3=787/0-3-8

Max Horz 1=-159(LC 8)

Truss

Truss Type

Max Uplift 1=-38(LC 12), 3=-50(LC 13)

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

TOP CHORD 1-2=-889/199, 2-3=-892/199 **BOT CHORD**

1-6=0/607, 3-6=0/607

WEBS 2-6=0/450

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) 0-1-12 to 4-6-9, Interior(1) 4-6-9 to 9-3-8, Exterior(2) 9-3-8 to 13-8-5 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

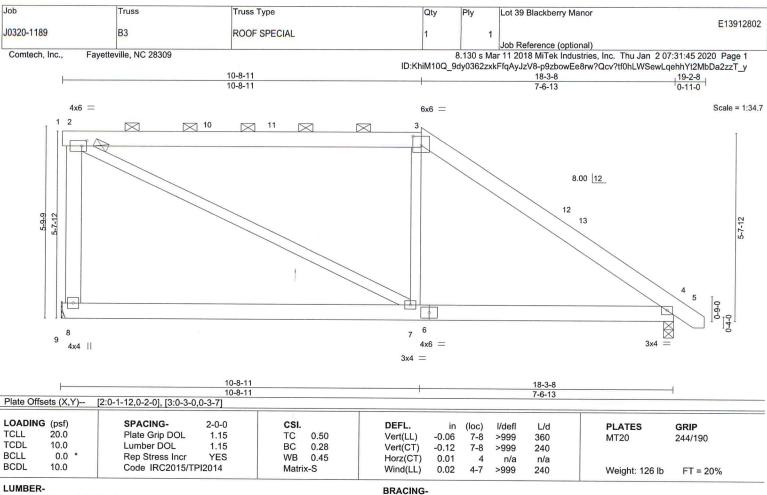


🛕 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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/TP/1 Quality Criteria, DSB-89 and BCSI Building Component fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Qua Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.





TOP CHORD

BOT CHORD

TOP CHORD 2x6 SP No.1 **BOT CHORD** 2x6 SP No.1 2x6 SP No.1 *Except* **WEBS**

2-7: 2x4 SP No.2, 3-7: 2x4 SP No.3

REACTIONS. (lb/size) 8=739/Mechanical, 4=767/0-3-8

Max Horz 8=-176(LC 13)

Max Uplift 8=-87(LC 8), 4=-28(LC 13) Max Grav 8=739(LC 1), 4=767(LC 24)

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

TOP CHORD 2-8=-630/280, 2-3=-665/208, 3-4=-929/153 **BOT CHORD** 4-7=0/665

WEBS 2-7=-199/627

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-0 to 4-4-13, Interior(1) 4-4-13 to 10-8-11, Exterior(2) 10-8-11 to 15-1-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 4.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-3.

Rigid ceiling directly applied or 10-0-0 oc bracing.

January 2,2020

🛦 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/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information

ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information



Job Truss Truss Type Qty Ply Lot 39 Blackberry Manor E13912803 J0320-1189 **B**4 ROOF SPECIAL Job Reference (optional) Comtech Inc. Fayetteville, NC 28309 8.130 s Mar 11 2018 MiTek Industries, Inc. Thu Jan 2 07:31:46 2020 Page 1 $ID: KhiM10Q_9 dy0362 zxkFfqAyJzV8-HLX_? GFGv92 s2 mUCRMX wuk_shl8AQ2F1 H0Lm6 VzzT_x$ 12-8-11 19-2-8 18-3-8

Scale = 1:32.3

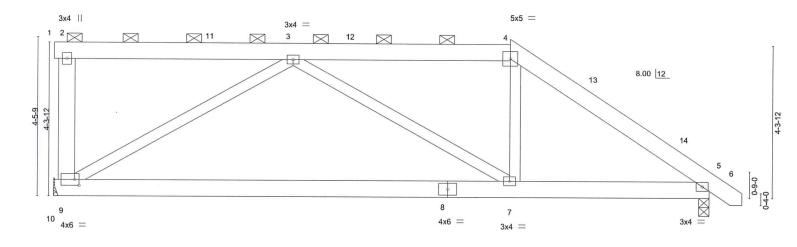


Plate Offsets (X,Y)	[9:0-1-8,0-2-0]	2-0-11						5-6-13	
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.31 BC 0.39 WB 0.80 Matrix-S	Vert(LL) Vert(CT) Horz(CT) Wind(LL)	-0.13 -0.26 0.01	(loc) 7-9 7-9 5 5	I/defl >999 >836 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 125 lb	GRIP 244/190 FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x6 SP No.1 BOT CHORD 2x6 SP No.1

WEBS 2x4 SP No.3 *Except*

2-9: 2x6 SP No.1

REACTIONS. (lb/size) 9=739/Mechanical, 5=767/0-3-8

Max Horz 9=-133(LC 13)

Max Uplift 9=-86(LC 8), 5=-26(LC 8) Max Grav 9=739(LC 1), 5=767(LC 24)

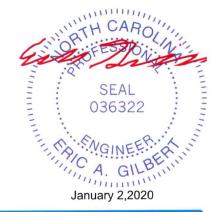
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 3-4=-758/200, 4-5=-1038/167 **BOT CHORD** 7-9=-87/754, 5-7=-20/765 **WEBS** 3-9=-782/328, 4-7=0/364

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-0 to 4-4-13, Interior(1) 4-4-13 to 12-8-11, Exterior(2) 12-8-11 to 17-1-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

12-8-11

- 3) Provide adequate drainage to prevent water ponding.
- 4) 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 30.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 5.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-4.

Rigid ceiling directly applied or 10-0-0 oc bracing.

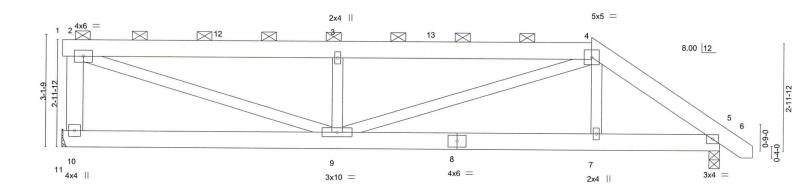
Design valid for use only with MiTek@ connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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/TP/1 Quality Criteria, DSB-89 and BCSI Building Component fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Qua Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Truss Type Qty Lot 39 Blackberry Manor E13912804 J0320-1189 **B5 ROOF SPECIAL** 1 Job Reference (optional) Comtech, Inc., Fayetteville, NC 28309 8.130 s Mar 11 2018 MiTek Industries, Inc. Thu Jan 2 07:31:47 2020 Page 1 ID:KhiM10Q_9dy0362zxkFfqAyJzV8-IX5MCbGvgTAjfv3O?429QxX2F9Yq9a1AVg4KfxzzT_w 14-8-11 18-3-8 19-2-8 7-0-13 3-6-13 0-11-0

Scale = 1:32.3



	7-7-13 7-7-13		14-8-11 7-0-13	18-3-8 3-6-13		
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.19 BC 0.17 WB 0.51 Matrix-S	DEFL. in (loc) Vert(LL) -0.04 9 Vert(CT) -0.08 7-9 Horz(CT) 0.01 5 Wind(LL) 0.03 9	l/defl L/d >999 360 >999 240 n/a n/a >999 240	PLATES MT20 Weight: 123 lb	GRIP 244/190 FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x6 SP No.1 **BOT CHORD** 2x6 SP No.1 WEBS

2x4 SP No.3 *Except* 2-10: 2x6 SP No.1

REACTIONS.

(lb/size) 10=739/Mechanical, 5=767/0-3-8

Max Horz 10=-89(LC 13)

Max Uplift 10=-86(LC 8), 5=-46(LC 8) Max Grav 10=739(LC 1), 5=767(LC 24)

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

TOP CHORD 2-10=-641/231, 2-3=-1308/325, 3-4=-1310/327, 4-5=-1089/243

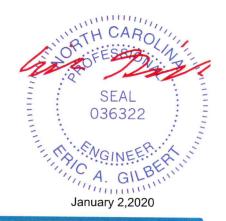
BOT CHORD 7-9=-117/824, 5-7=-114/832

WEBS 2-9=-310/1232, 3-9=-462/237, 4-9=-99/554, 4-7=0/250

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-0 to 4-4-13, Interior(1) 4-4-13 to 14-8-11, Exterior(2) 14-8-11 to 19-0-9 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 5.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-4.

Rigid ceiling directly applied or 10-0-0 oc bracing.

🗥 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 MITEN decomponent, not a truss system. Before use, the building designer must verify the applicability of design 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

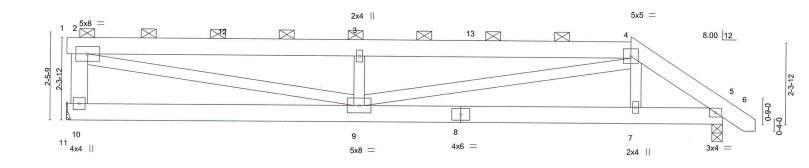
ANSITPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information

available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Truss Type Qty Ply Lot 39 Blackberry Manor E13912805 J0320-1189 **B6** ROOF SPECIAL Job Reference (optional) 8.130 s Mar 11 2018 MiTek Industries, Inc. Thu Jan 2 07:31:48 2020 Page 1 Comtech, Inc., Fayetteville, NC 28309 ID:KhiM10Q_9dy0362zxkFfqAyJzV8-DkfkQxHXRmlaH3eaYnZOz94CnYtNu?TKkKqtBNzzT_v 15-8-11 18-3-8 8-1-13 19-2-8 2-6-13 0-11-0

Scale = 1:32.3



 	8-1-13 8-1-13		15-8-11 7-6-13	18-3-8 2-6-13
TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.27 BC 0.21 WB 0.63 Matrix-S	DEFL. in (loc) l/defl L/d Vert(LL) -0.07 9 >999 360 Vert(CT) -0.14 7-9 >999 240 Horz(CT) 0.01 5 n/a n/a Wind(LL) 0.06 9 >999 240	PLATES GRIP MT20 244/190 Weight: 120 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

TOP CHORD 2x6 SP No.1 **BOT CHORD** 2x6 SP No.1

2x4 SP No.3 *Except* WEBS

2-10: 2x6 SP No.1

(lb/size) 10=739/Mechanical, 5=767/0-3-8

Max Horz 10=-67(LC 13)

Max Uplift 10=-86(LC 8), 5=-56(LC 8)

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

2-10=-620/227, 2-3=-1757/417, 3-4=-1757/417, 4-5=-1200/255 TOP CHORD

BOT CHORD 9-10=-28/286, 7-9=-154/931, 5-7=-149/945

WEBS 2-9=-364/1512, 3-9=-454/242, 4-9=-180/850, 4-7=0/293

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-0 to 4-4-13, Interior(1) 4-4-13 to 15-8-11, Exterior(2) 15-8-11 to 19-0-9 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Provide adequate drainage to prevent water ponding.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 5.
- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals, and 2-0-0 oc purlins (5-6-1 max.): 1-4.

Rigid ceiling directly applied or 10-0-0 oc bracing.

January 2,2020

🛕 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 MITE-ker and READ WICE SON THE AND INCLUDE MITER REPERCE FACE MITE-13-18. With With MITE-ker and READ WICE SON THE AND INCLUDE MITER REPERCE FACE MITE-13-18. With MITE-ker and READ WICE SON THE AND INCLUDE MITE AN fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Qua Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



E13912806 J0320-1189 C1GF COMMON SUPPORTED GAB Job Reference (optional) Fayetteville, NC 28309 Comtech. Inc.. 8.130 s Mar 11 2018 MiTek Industries, Inc. Thu Jan 2 07:31:49 2020 Page 1 $ID: KhiM10Q_9dy0362zxkFfqAyJzV8-hwD6dHH9C4QRvDDn6V4dVMcQUyFldbyTz_ZRjqzzT_u$ -0-11-0 0-11-0 5-8-8 11-5-0 12-4-0 5-8-8 0-11-0 5-8-8 5x5 = Scale = 1:28.3 5 8.00 12 6 9 13 12 11 3x4 = 10 3x4 = 11-5-0 LOADING (psf) SPACING-2-0-0 CSI. DEFL (loc) I/defl L/d **PLATES GRIP** TCLL 20.0 Plate Grip DOL 1.15 TC 0.02 Vert(LL) -0.00 n/r 120 MT20 244/190 TCDL 10.0 Lumber DOL 1.15 BC. 0.01 Vert(CT) 0.00 120 n/r BCLL 0.0 Rep Stress Incr YES WB 0.04 Horz(CT) 0.00 8 n/a n/a BCDL 10.0 Code IRC2015/TPI2014 Matrix-S Weight: 80 lb FT = 20%

Qty

Ply

Lot 39 Blackberry Manor

LUMBER-

Job

Truss

Truss Type

TOP CHORD 2x6 SP No.1

BOT CHORD 2x6 SP No.1 **OTHERS** 2x4 SP No.3 **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.

REACTIONS. All bearings 11-5-0.

(lb) -Max Horz 2=-129(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 13, 11, 10 except 14=-101(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 2, 8, 12, 13, 14, 11, 10

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

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- 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 30.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 13, 11, 10 except (jt=lb) 14=101.
- 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 8.



🗥 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 MiTcRe 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

ANSITPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information

available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



818 Soundside Road

Job Truss Truss Type Qty Ply Lot 39 Blackberry Manor E13912807 J0320-1189 M1 MONOPITCH 6 Job Reference (optional) Comtech, Inc. Fayetteville, NC 28309 8.130 s Mar 11 2018 MiTek Industries, Inc. Thu Jan 2 07:31:49 2020 Page 1 ID:KhiM10Q_9dy0362zxkFfqAyJzV8-hwD6dHH9C4QRvDDn6V4dVMcOqyEzdbVTz_ZRjqzzT_u -0-11-0 6-0-0 0-11-0 6-0-0 Scale = 1:17.9 3x4 5.00 12 2-6-14 0-3-8, 0-5-8 3x4 = 3x4 11 3x4 = 6-0-0 6-0-0 Plate Offsets (X,Y)--[2:0-0-6,Edge] LOADING (psf) SPACING-2-0-0 CSI. DEFL. in L/d **PLATES** GRIP (loc) I/defl TCLL 20.0 Plate Grip DOL 1.15 TC 0.19 Vert(LL) -0.01 2-4 >999 360 MT20 244/190 **TCDL** 10.0 Lumber DOL 1.15 BC 0.12 Vert(CT) -0.03>999 2-4 240 **BCLL** 0.0 Rep Stress Incr YES WB 0.00 Horz(CT) 0.00 n/a n/a BCDL 10.0 Code IRC2015/TPI2014 Matrix-P Wind(LL) 0.03 2-4 >999 240 Weight: 36 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

2x6 SP No.1 TOP CHORD

BOT CHORD 2x6 SP No.1 **WEBS** 2x6 SP No.1

> (lb/size) 2=277/0-3-0, 4=222/0-1-8 Max Horz 2=86(LC 12)

> Max Uplift 2=-72(LC 8), 4=-74(LC 8)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-1 to 3-8-12, Interior(1) 3-8-12 to 5-9-4 zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 4) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
- 7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Structural wood sheathing directly applied or 6-0-0 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.



Job Truss Truss Type Qty Ply Lot 39 Blackberry Manor E13912808 J0320-1189 M1GE MONOPITCH SUPPORTED Job Reference (optional) Comtech, Inc., Fayetteville, NC 28309 8.130 s Mar 11 2018 MiTek Industries, Inc. Thu Jan 2 07:31:50 2020 Page 1 ID:KhiM10Q_9dy0362zxkFfqAyJzV8-A6nUrdInzOYIWNozgCbs2a9bFMb_M21dCeJ_GGzzT_t -0-11-0 0-11-0 6-11-0 6-0-0 Scale = 1:19.2 3x4 || 5 6 2x4 || 5.00 12 2x4 || 0-3-8, 3x4 = 2x4 || 2x4 || 3x4 || -0-11-0 6-11-0 0-11-0 6-0-0 LOADING (psf) SPACING-2-0-0 CSI. DEFL. **PLATES** in (loc) I/defl L/d **GRIP** TCLL 20.0 Plate Grip DOL 1.15 Vert(LL) TC 0.02 -0.00 120 n/r MT20 244/190 TCDL 10.0 Lumber DOL 1.15 BC 0.01 Vert(CT) 0.00 n/r 120 **BCLL** 0.0 Rep Stress Incr YES WB 0.05 Horz(CT) -0.00 6 n/a n/a BCDL 10.0 Code IRC2015/TPI2014 Matrix-P Weight: 38 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x6 SP No.1 **BOT CHORD** 2x6 SP No.1

2x4 SP No.3 **WEBS** 2x4 SP No.3 OTHERS

REACTIONS. All bearings 6-0-0.

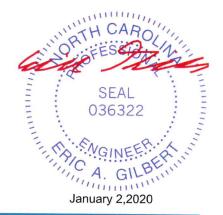
Max Horz 2=129(LC 12)

Max Uplift All uplift 100 lb or less at joint(s) 6, 7, 2, 8, 9 Max Grav All reactions 250 lb or less at joint(s) 6, 7, 2, 8, 9

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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.
- 3) Gable requires continuous bottom chord bearing.
- 4) Gable studs spaced at 2-0-0 oc.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 7, 2, 8, 9.
- 8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Structural wood sheathing directly applied or 6-0-0 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.



🛕 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/TPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information

VA 22314.



Job Truss Truss Type Qty Lot 39 Blackberry Manor Ply E13912809 J0320-1189 M2 MONOPITCH 3 Job Reference (optional) Comtech, Inc., Fayetteville, NC 28309 8.130 s Mar 11 2018 MiTek Industries, Inc. Thu Jan 2 07:31:51 2020 Page 1 $ID: KhiM10Q_9dy0362zxkFfqAyJzV8-eJKs2zJPkhg98XN9Ev65bnihZmui5V_mQl2XoizzT_s$ -0-11-0 0-11-0 8-0-0 8-0-0

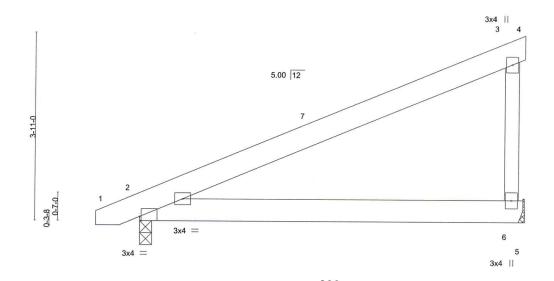


Plate Off	sets (X,Y)	[2:0-0-6,Edge]											
LOADIN TCLL	G (psf) 20.0	SPACING- Plate Grip DOL	2-0-0 1.15	CSI.	0.37	DEFL. Vert(LL)	in -0.05	(loc) 2-6	l/defl >999	L/d 360	PLATES MT20	GRIP 244/190	
TCDL BCLL	10.0 0.0 *	Lumber DOL Rep Stress Incr	1.15 YES	BC WB	0.24	Vert(CT) Horz(CT)	-0.09 0.00	2-6	>999 n/a	240 n/a	WIIZO	244/130	
BCDL	10.0	Code IRC2015/TP	12014	Matri	x-P	Wind(LL)	0.10	2-6	>923	240	Weight: 46 lb	FT = 20%	

LUMBER-

WEBS

TOP CHORD 2x6 SP No.1 **BOT CHORD** 2x6 SP No.1 **BRACING-**

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(lb/size) 6=313/Mechanical, 2=354/0-3-0

Max Horz 2=116(LC 12)

2x4 SP No.3

Max Uplift 6=-99(LC 8), 2=-89(LC 8)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-1 to 3-8-12, Interior(1) 3-8-12 to 8-0-0 zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 2.
- 6) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Scale: 1/2"=1"



Job Truss Truss Type Ply Lot 39 Blackberry Manor Qty E13912810 J0320-1189 M2GE MONOPITCH SUPPORTED 1 Job Reference (optional) Fayetteville, NC 28309 Comtech, Inc., 8.130 s Mar 11 2018 MiTek Industries, Inc. Thu Jan 2 07:31:52 2020 Page 1 $ID: KhiM10Q_9 dy0362 zxkFfqAyJzV8-6 VuFGJK1V?p?mhyLndeK7? ExHAHuqySvfyo5K8zzT_range for the property of the$ -0-11-0 0-11-0 8-11-0 8-0-0 Scale: 1/2"=1" 3x4 || 2x4 || 5.00 12 2x4 || 2x4 || 0-3-8

	-0-11-0 0-11-0	8-11-0 8-0-0	
TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. DEFL. in (loc) l/defl TC 0.05 Vert(LL) 0.00 6-7 n/r BC 0.05 Vert(CT) -0.00 6-7 n/r WB 0.05 Horz(CT) -0.00 10 n/a	L/d PLATES GRIP 120 MT20 244/190 120 n/a Weight: 52 lb FT = 20%

12

2x4

LUMBER-

TOP CHORD 2x6 SP No.1 BOT CHORD 2x6 SP No.1

WEBS 2x4 SP No.3 2x4 SP No.3 **OTHERS**

BRACING-TOP CHORD

BOT CHORD

2x4 ||

Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals.

2x4 ||

Rigid ceiling directly applied or 6-0-0 oc bracing, Except:

9 8

3x4 ||

10-0-0 oc bracing: 8-9.

REACTIONS. All bearings 6-3-8.

Max Horz 2=167(LC 12) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 11, 12 except 10=-118(LC 12) Max Grav All reactions 250 lb or less at joint(s) 2, 11, 12 except 10=294(LC 1)

3x4 =

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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.
- 3) Gable studs spaced at 2-0-0 oc.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 12 except (jt=lb) 10=118.
- 7) Non Standard bearing condition. Review required.
- 8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



January 2,2020

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

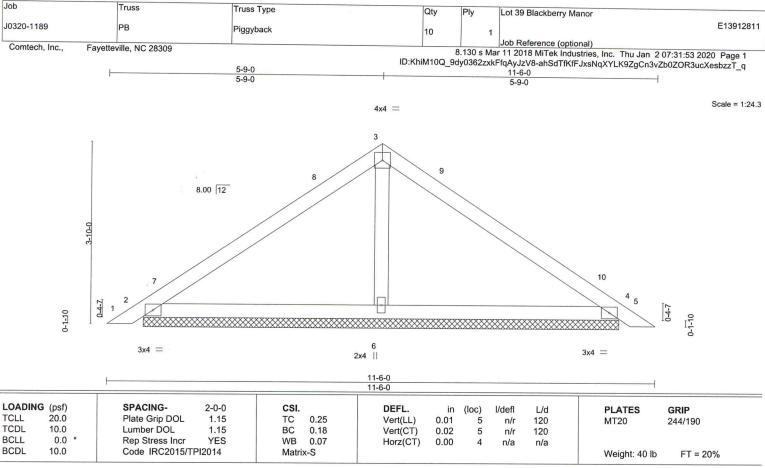
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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.



818 Soundside Road



BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.1 2x4 SP No.1

BOT CHORD OTHERS 2x4 SP No.3

REACTIONS.

(lb/size) 2=230/9-11-12, 4=230/9-11-12, 6=397/9-11-12

Max Horz 2=-88(LC 10)

Max Uplift 2=-32(LC 12), 4=-40(LC 13)

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

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) 0-3-2 to 4-7-15, Interior(1) 4-7-15 to 5-9-0, Exterior(2) 5-9-0 to 10-1-13 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
- 7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer



Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

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 Design Valid for use only with Mit leve connectors. Inits design is based only upon parameters shown, and is for an individual outlaing component, not a fact that the property 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

ANSITPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



J0320-1189 **PBGE** GABLE Job Reference (optional) 8.130 s Mar 11 2018 MiTek Industries, Inc. Thu Jan 2 07:31:53 2020 Page 1 Comtech, Inc., Fayetteville, NC 28309 ID:KhiM10Q_9dy0362zxkFfqAyJzV8-ahSdTfKfFJxsNqXYLK9ZgCn5iZd5ZPk3ucXesbzzT_q 5-9-0 11-6-0 5-9-0 Scale = 1:24.3 4x4 = 4 2x4 || 8.00 12 5 2x4 || 3 6 7 0-1-10 10 3x4 = 3x4 = 2x4 || 2x4 || 2x4 || 11-6-0 11-6-0 LOADING (psf) SPACING-2-0-0 DEFL. CSI. in (loc) I/defl L/d **PLATES GRIP** TCLL Plate Grip DOL 1.15 TC 0.07 Vert(LL) 0.00 n/r 120 MT20 244/190 **TCDL** 10.0 Lumber DOL 1.15 BC 0.05 Vert(CT) 0.00 n/r 120 **BCLL** 0.0 Rep Stress Incr YES WB 0.05 Horz(CT) 0.00 6 n/a n/a BCDL 10.0 Code IRC2015/TPI2014 Matrix-S Weight: 45 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

Qty

Lot 39 Blackberry Manor

Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

E13912812

LUMBER-

Job

Truss

TOP CHORD 2x4 SP No.1 **BOT CHORD** 2x4 SP No.1

OTHERS 2x4 SP No.3

REACTIONS. All bearings 9-11-12. (lb) - Max Horz 2=-110(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 2, 6 except 10=-137(LC 12), 8=-137(LC 13) Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9 except 10=277(LC 19), 8=276(LC 20)

Truss Type

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ff; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 2-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6 except (jt=lb) 10=137, 8=137
- 9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



🧥 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 MITEN® 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSITPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information

ANSITPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information



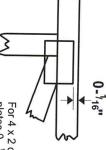
Edenton, NC 27932

Symbols

PLATE LOCATION AND ORIENTATION



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



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

8

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

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

PLATE SIZE



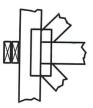
the length parallel to slots. width measured perpendicular to slots. Second dimension is The first dimension is the plate

LATERAL BRACING LOCATION



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

BEARING



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

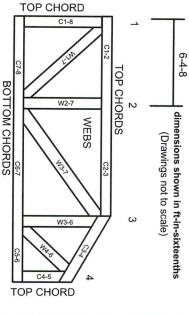
Industry Standards:

ANSI/TPI1: National Design Specification for Metal **DSB-89** Plate Connected Wood Truss Construction. Design Standard for Bracing.

BCSI:

Guide to Good Practice for Handling, Building Component Safety Information, Connected Wood Trusses Installing & Bracing of Metal Plate

Numbering System



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

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

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

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

© 2012 MiTek® All Rights Reserved





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

General Safety Notes

Damage or Personal Injury Failure to Follow Could Cause Property

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
- wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I Truss bracing must be designed by an engineer. For bracing should be considered
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- all other interested parties designer, erection supervisor, property owner and Provide copies of this truss design to the building

4

Cut members to bear tightly against each other.

5

- joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1. Place plates on each face of truss at each
- the environment in accord with ANSI/TPI 1. Design assumes trusses will be suitably protected from
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication

œ

- 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 camber for dead load deflection. responsibility of truss fabricator. General practice is to
- 11. 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
- 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
- 17. Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable project engineer before use. environmental, health or performance risks. Consult with
- 19. Review all portions of this design (front, back, words is not sufficient. and pictures) before use. Reviewing pictures alone
- Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.

108 #	10320-1190	SALES REP.	Marshall Naylor	
# 3TOUD	# stouQ	V8 NWA90	David Landry	
SEAL DATE	A/N	DATE REV.	03/13/50	•
NAJ9	AEOS-H88 \ notslqqA	WODEL	Floor	15300
3MAM 80T	Lot 39 Blackberry Manor	SSBADDA	3vA atatoy 88	0 1 00 0
BUILDER	Ben Stout Real Estate	CITY / CO.	Harnett County / Harnett	11900

David Landry Reilly Road Industrial Park Fayetteville, N.C., 28309 Phone: (910) 864-8787 Fax: (910) 864-4444 ROOF & FLOOR TRUSSES & BEAMS COMTECH David Landry

40.0

CK ST	4 6 E	NOTTON3# GMS	34	68	102	136	170					
	PEGUTAED	REGNER VAR (E)	-	2	3	4	2	9				Г
RT FOR	MASED ON TABLES RSOL OF JACK STUBS REQUI HEADER/SIRDE	MOTTON 24 GHB (OT 94)	2550	5100	7650	10200	12750	15300				r
LOAD CHART FOR J.	(BASED (REGINER YAY (2)	-	2	e	4	ın	9	7	60	0	
2	27	(07 %)	1700	3400	5100	6800	8500	10200	11900	13600	15300	









55. 2..

9. 10..

11' 6 1/2"

3.7 1/2"

15.0"

.. \$/ | \$.5 |

Interior Bearing Wall

F5 F5 F5 F5 F4

Dimension Notes

1. All exterior wall by wall dimensions are to face of sheathing unless noted otherwise.

2. All instruct wall dimensions are to lace of frame wall unless noted otherwise.

3. All exterior wall by true a

54. 6..

3. 6.

F3A F3 F3

111"

FG1

F2 F2 F2 F ET

All Walls Shown Are Considered Load Bearing

43, 11..

Full Height Bearing Wall At Stairway

43. 11..

F3

10d/3" Header Truss Nail Information

10d/3"

Product Manuf Qty Supported MSH422 USP 1 Varies Connector Information

Sys (

Net Qty 2 2 3

2X6 Wall

2X6 Wall

5. 0..

..0 .9

Truss Placement Plan

21. 8 1/2"

40.0"

6' 9 1/2"

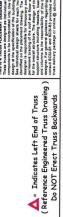
11.6"

088

088

..0 .9

THE IN THESE PLACEMENT SERVICES OF THE SERVICE



03/13/20 **ORDER DATE QUOTE# DELIVERY DATE CUSTOMER ACCT#** 0000007060 **ROOF & FLOOR** DATE OF INVOICE 11 **CUSTOMER PO#** comTech TRUSSES & BEAMS Ben Stout **INVOICE** # **ORDERED BY** ly Road Industrial Park P.O. Box 40408 COUNTY Harnett **TERMS** etteville, N.C. 28309 (910) 864-TRUS SUPERINTENDANT Ben Stout y Office: (919) 816-0105 SALES REP Marshall Naylor **JOBSITE PHONE #** (910) 476-4502 SALES AREA David Landry **Benjamin Stout Real Estate** JOB NAME: Lot 39 Blackberry Manor **LOT # 39** SUBDIV: Blackberry Manor PO Box 53798 MODEL:Floor TAG: Appleton / BBH-2034 JOB CATEGORY: Residential - Floor **DELIVERY INSTRUCTIONS:** Fayetteville, NC 28305 (910) 476-4502 **Ben Stout Real Estate** SPECIAL INSTRUCTIONS: 39 Kotata Ave Lot 8 Barrington Place Harnett County, NC PLAN SEAL DATE: N/A BY DATE JILDING DEPARTMENT OVERHANG INFO HEEL HEIGHT 00-06-08 **REQ. LAYOUTS REQ. ENGINEERING** QUOTE 11 END CUT or Order RETURN LAYOUT mn 03/13/20 **GABLE STUDS** 16 IN. OC **JOBSITE** JOBSITE CUTTING 11 LOADING TCLL-TCDL-BCLL-BCDL STRESS INCR. **FLOOR TRUSSES** FLOOR TRUSS SPACING: 24.0 IN. O.C. (TYP.) INFORMATION 40.0.10.0.0.0.5.0 1.00 **FLOOR** QTY DEPTH BASE O/A **END TYPE** INT BEARING REACTIONS **PROFILE** PLY ID SPAN SPAN LEFT RIGHT SIZE LOCATION 01-04-00 Joint 11 Joint 12 Joint 13 Joint 14 Joint 15 ET1 11-05-00 11-05-00 49.4 lbs 204.7 lbs. 228.4 lbs. 179.0 lbs 219.3 lbs. 01-04-00 Joint 7 Joint 10 11-05-00 F1 11-05-00 607.9 lbs. 607.9 lbs. 294.3 lbs. 353.4 lbs. 01-04-00 Joint 1 Joint 7 F2 11-05-00 11-05-00 599.3 lbs. 593.0 lbs. 364.2 lbs. 281.8 lbs. 01-04-00 Joint 9 Joint 14 3 F3 15-01-00 15-01-00 809.6 lbs. 809.6 lbs. 405.7 lbs. 405.7 lbs. 01-04-00 Joint 10 Joint 17 F₃A 15-01-00 15-01-00 1171.5 lbs. 1903.4 lbs. 767.6 lbs. 1600.7 lbs. 01-04-00 Joint 10 Joint 16 2 18-07-00 18-07-00 F4 1002.1 lbs. 1002.1 lbs. 512.4 lbs. 515.2 lbs. 01-04-00 Joint 11 Joint 21 SSOSS F5 18-07-00 18-07-00 996.3 lbs. 988.9 lbs. 510.2 lbs. 499.3 lbs. 01-01-00 Joint 8 Joint 14 08-05-00 08-05-00 1555.6 lbs. 1351.1 lbs **TEMS** YTC **ITEM TYPE** SIZE LENGTH **PART NUMBER** NOTES FT-IN-16

REQ. QUOTE DATE

ORDER#

J0320-1190

eaction Summary of Order

CACHON CANDIDARY OF CIUCI

ROOF & FLOOR comTech TRUSSES & BEAMS ly Road Industrial Park P.O. Box 40408

etteville, N.C. 28309 (910) 864-TRUS y Office: (919) 816-0105

REQ. QUOTE DATE	11	ORDER#	J0320-1190
ORDER DATE	03/13/20	QUOTE#	1100
DELIVERY DATE	11	CUSTOMER ACCT #	0000007060
DATE OF INVOICE	11	CUSTOMER PO #	
ORDERED BY	Ben Stout	INVOICE #	
COUNTY	Harnett	TERMS	
SUPERINTENDANT	Ben Stout	SALES REP	Marshall Naylor
JOBSITE PHONE #	(910) 476-4502	SALES AREA	David Landry

Benjamin Stout Real Estate PO Box 53798 Fayetteville, NC 28305

JOB NAME: Lot 39 Blackberry Manor MODEL:Floor TAG: Appleton / BBH-2034

LOT # 39

SUBDIV: Blackberry Manor

(910) 476-4502

DELIVERY INSTRUCTIONS:

JOB CATEGORY: Residential - Floor

Ben Stout Real Estate 39 Kotata Ave Harnett County, NC

SPECIAL INSTRUCTIONS: Lot 8 Barrington Place

PLAN SEAL DATE:

N/A

JILDING DEPARTMENT or Order

													0.	DAIL
<u>TV</u>	OVERHA	ING INFO	HEEL HEIGHT	00-06-08	REQ	. LAYOUTS		REQ.	ENG	GINEERING		QUOTE		11
	END CUT	RETURN										LAYOUT	mn	03/13/20
			GABLE STUDS	16 IN. OC		JOBSITE	1			JOBSITE	1	CUTTING		11

TEMS

QTY	ITEM TYPE	SIZE	LENGTH FT-IN-16	PART NUMBER	NOTES
2	LVL Beams (Sized)	LVL, 1-3/4" x 16" (S)	16-00-00		DM
					BM1
3	LVL Beams (Sized)	LVL, 1-3/4" x 18" (S)	22-00-00		GDH
1_	Hangers, USP	MSH422			SIMPSON (THA422)

isDesign™

Client:

Ben Stout Real Estate

Project: Address:

3/13/2020 Date:

Designer: **David Landry**

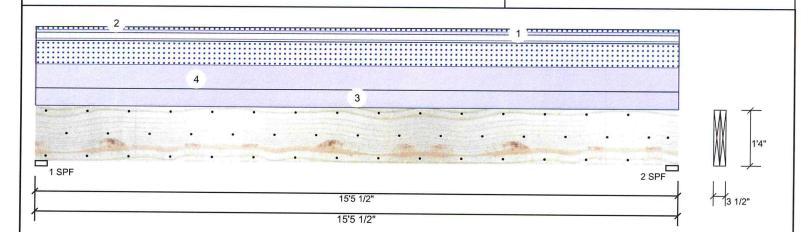
Job Name: Lot 39 Blackberry Manor

Page 1 of 8

Project #: J0320-1190

1.750" X 16.000" Kerto-S LVL 2-Ply - PASSED

Level: Level



Member Info	rmation			Reactio	ns UNPAT	TTERNED Ib	(Uplift)	(
Type:	Girder	Application:	Floor	Brg	Live	Dead	Snow	Win	d C	onst
Plies:	2	Design Method:	ASD	1	309	2562	1422		0	0
Moisture Condition	on: Dry	Building Code:	IBC/IRC 2015	2	309	2562	1422		0	0
Deflection LL:	480	Load Sharing:	No	-	000	2002	1422		O	U
Deflection TL:	360	Deck:	Not Checked							
Importance:	Normal									
Temperature:	Temp <= 100°F									
				Bearing	IS					
				Bearing	Length	Cap. Reac	t D/L lb	Total Ld.	Case L	d. Comb.
				1 - SPF	3.500"	77% 256	2 / 1422	3984 L	D	+S
Analysis Posul	144			2 - SPF	3.500"	77% 2562	2 / 1422	3984 L	D	+S

Analysis Results

ı	Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
l	Moment	14537 ft-lb	7'8 3/4"	39750 ft-lb	0.366 (37%)	D+S	L
	Unbraced	14537 ft-lb	7'8 3/4"	14550 ft-lb	0.999 (100%)	D+S	L
	Shear	3621 lb	1'6 5/8"	13739 lb	0.264 (26%)	D+S	L
	LL Defl inch	0.099 (L/1823)	7'8 13/16"	0.376 (L/480)	0.260 (26%)	S	L
L	TL Defl inch	0.277 (L/651)	7'8 13/16"	0.501 (L/360)	0.550 (55%)	D+S	L

Design Notes

- 1 Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top loads must be supported equally by all plies.
- 5 Top must be laterally braced at a maximum of 8'1 7/8" o.c.
- 6 Lateral slenderness ratio based on single ply width.

	ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
	1	Tie-In	0-0-0 to 15-5-8	(Span)2-0-0	Тор	15 PSF	40 PSF	0 PSF	0 PSF	0 PSF	Floor Load
	2	Tie-In	0-0-0 to 15-5-8	(Span)2-0-0	Тор	20 PSF	0 PSF	20 PSF	0 PSF	0 PSF	Roof Load
	3	Uniform			Тор	120 PLF	0 PLF	0 PLF	0 PLF	0 PLF	Wall
١	4	Uniform			Far Face	164 PLF	0 PLF	164 PLF	0 PLF		A3, A4
ı		Self Weight				12 PLF		1011 21	OTE	OFLI	A3, A4

Notes

Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

Lumber

Dry service conditions, unless noted otherwise
 LVL not to be treated with fire retardant or corrosi

chemicals

Handling & Installation

- andling & Installation
 LVL beams must not be cut or drilled
 Refer to manufacturer's product information
 regarding installation requirements, multi-ply
 fastening details, beam strength values, and code
 approvals
 Damaged Beams must not be used
 Design assumes top edge is laterally restrained
 Provide lateral support at bearing points to avoid
 lateral displacement and rotation

- For flat roofs provide proper drainage to prevent ponding

This design is valid until 12/11/2021

Metsä Wood 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 (800) 622-5850 www.metsawood.com/us ICC-ES: ESR-3633

Manufacturer Info

Comtech, Inc. 1001 S. Reilly Road, Suite #639 Fayetteville, NC USA 28314 910-864-TRUS







Client:

Project:

Address:

Ben Stout Real Estate

Date:

3/13/2020

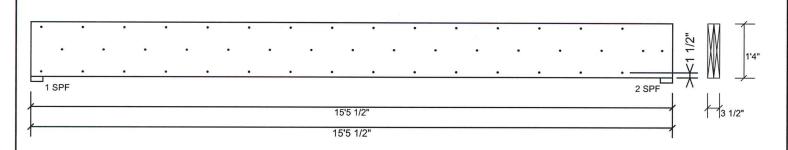
Page 2 of 8

Designer: David Landry

Job Name: Lot 39 Blackberry Manor

Project #: J0320-1190

1.750" X 16.000" Kerto-S LVL 2-Ply - PASSED Level: Level



Multi-Ply Analysis

Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c.. Maximum end distance not to exceed 6"

Capacity	66.8 %
Load	164.0 PLF
Yield Limit per Foot	245.6 PLF
Yield Limit per Fastener	81.9 lb.
Yield Mode	IV
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	D+S
Duration Factor	1.15

Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

Dry service conditions, unless noted otherwise
 LVL not to be treated with fire retardant or corrosive

Handling & Installation

LVL beams must not be cut or drilled Refer to manufacturer's product information regarding installation requirements, multi-ply Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals
Damaged Beams must not be used
Design assumes top edge is laterally restrained
Provide lateral support at bearing points to avoid lateral displacement and rotation

For flat roofs provide proper drainage to prevent ponding

This design is valid until 12/11/2021

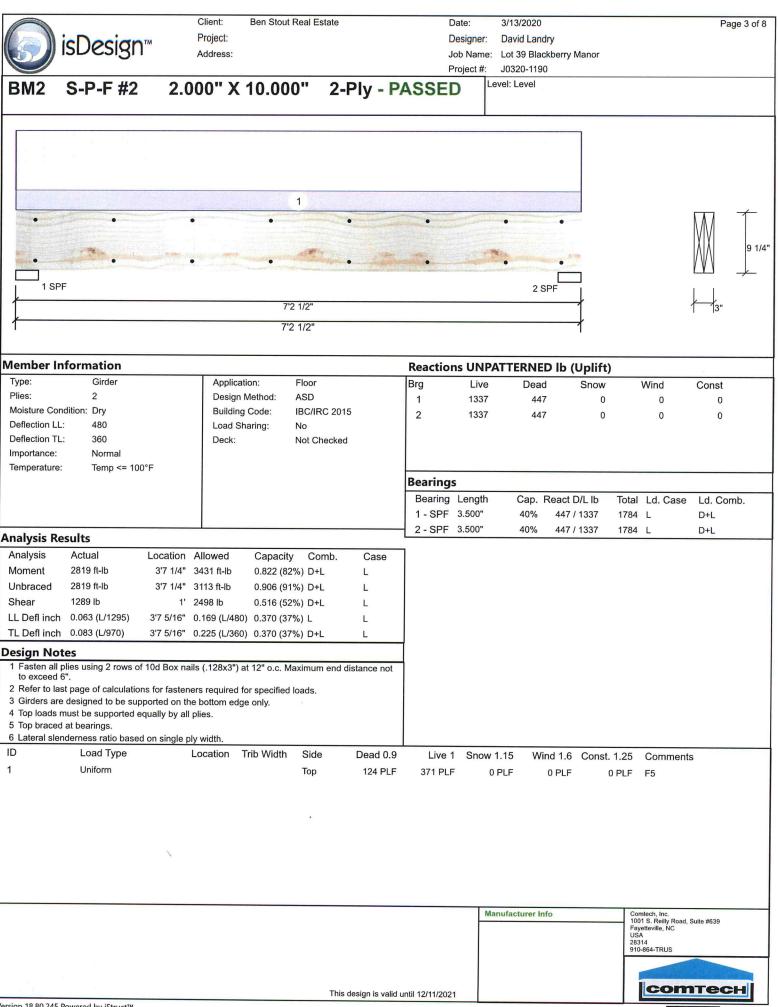
Metsä Wood 301 Merritt 7 Building, 2nd Floor

Manufacturer Info

Norwalk, CT 06851 (800) 622-5850 www.metsawood.com/us ICC-ES: ESR-3633 Comtech, Inc. 1001 S. Reilly Road, Suite #639 Fayetteville, NC USA 28314 910-864-TRUS









Client:

nt: Ben Stout Real Estate

Project:

Address:

Date:

3/13/2020

Designer: David Landry

Job Name: Lot 39 Blackberry Manor

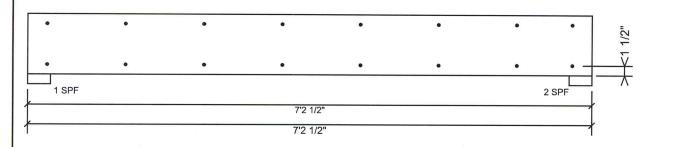
Project #: J0320-1190

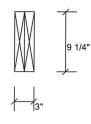
BM2 S-P-F #2

2.000" X 10.000"

2-Ply - PASSED

Level: Level





Page 4 of 8

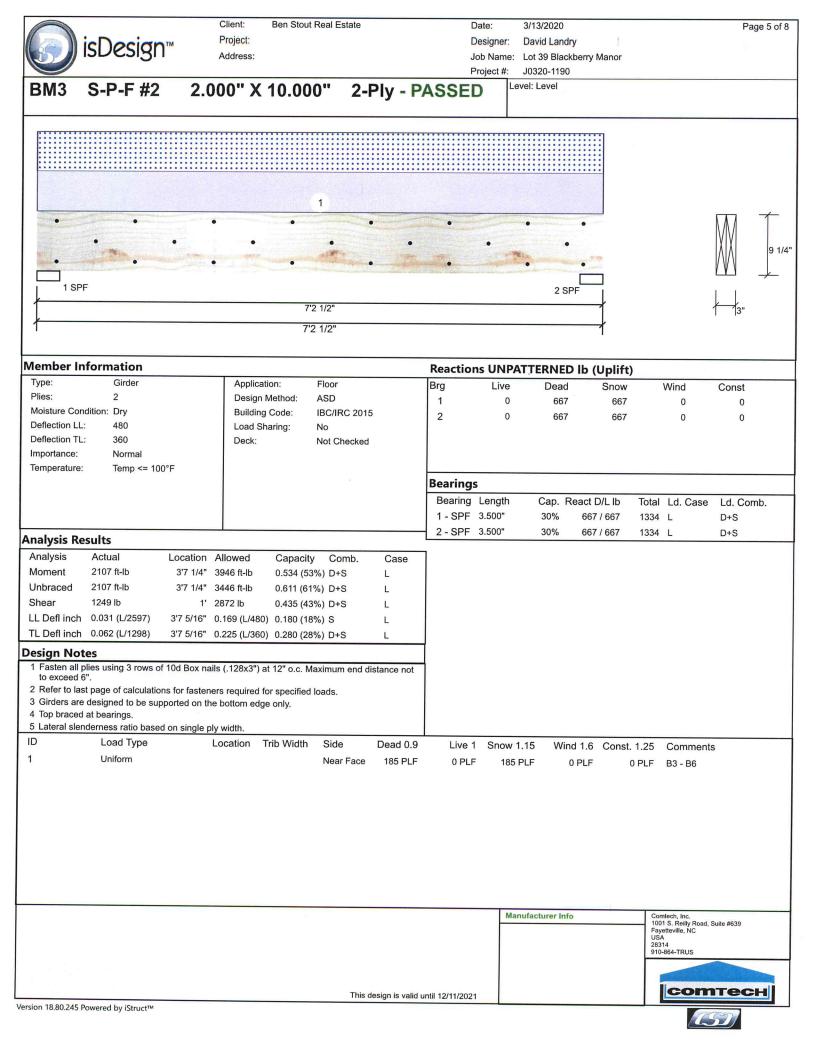
Multi-Ply Analysis

Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c.. Maximum end distance not to exceed 6"

Capacity	0.0 %	
Load	0.0 PLF	
Yield Limit per Foot	157.4 PLF	
Yield Limit per Fastener	78.7 lb.	
Yield Mode	IV	
Edge Distance	1 1/2"	
Min. End Distance	3"	
Load Combination		
Duration Factor	1.00	

Manufacturer Info

Comtech, Inc.
1001 S. Reilly Road, Suite #639
Fayetteville, NC
USA
28314
910-864-TRUS





Client:

: Ben Stout Real Estate

Project:

Address:

at:

Date:

3/13/2020

Designer: David Landry

Job Name: Lot 39 Blackberry Manor

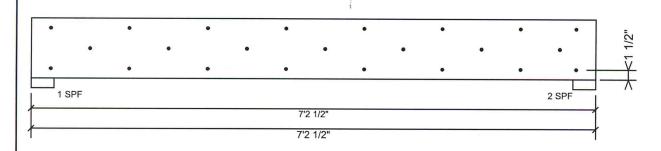
Project #: J0320-1190

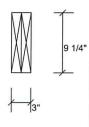
BM3 S-P-F #2

2.000" X 10.000"

2-Ply - PASSED

Level: Level





Page 6 of 8

Multi-Ply Analysis

Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c.. Maximum end distance not to exceed 6"

Capacity	78.4 %	
Load	185.0 PLF	
Yield Limit per Foot	236.1 PLF	
Yield Limit per Fastener	78.7 lb.	
Yield Mode	IV	
Edge Distance	1 1/2"	
Min. End Distance	3"	
Load Combination	D+S	
Duration Factor	1.15	

Manufacturer Info

Comtech, Inc.
1001 S. Reilly Road, Suite #639
Fayetteville, NC
USA
28314
910-864-TRUS



Client: Project:

Address:

Ben Stout Real Estate

Date:

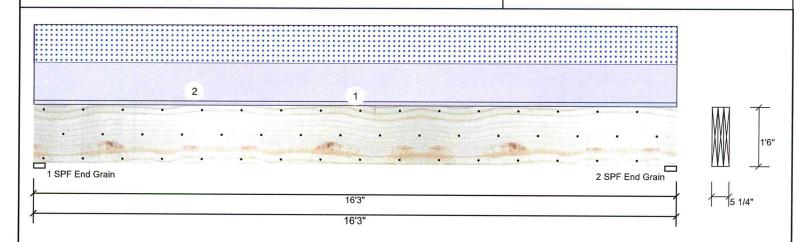
3/13/2020

Designer: David Landry Job Name: Lot 39 Blackberry Manor Page 7 of 8

Project #: J0320-1190

1.750" X 18.000" 3-Ply - PASSED Kerto-S LVL

Level: Level



Member In	formation						Reaction	ns UNPAT	TERNI	ED lb (Uplift))		
Type:	Girder		Applicat	tion: F	-loor		Brg	Live	Dea	d Snow		Wind	Const
Plies:	3		Design	Method:	ASD		1	0	519			0	0
Moisture Con-	dition: Dry		Building	Code: I	BC/IRC 2015		2	0	519			0	0
Deflection LL:	480		Load Sh	naring:	res .		1 -	J	010	,2 4334		U	0
Deflection TL:	360		Deck:	1	Not Checked								
Importance:	Normal												
Temperature:	Temp <= 1	00°F											
							Bearing	s					
						5.	Bearing	Length	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
							1 - SPF End	3.500"	61%	5192 / 4534	9726	L	D+S
Analysis Re	sults						Grain						
Analysis	Actual	Location	Allowed	Capacity	Comb.	Case	2-SPF	3.500"	61%	5192 / 4534	9726	L	D+S
Moment	37412 ft-lb	8'1 1/2"	77108 ft-lb	0.485 (49%	6) D+S	L	End Grain						
Unbraced	37412 ft-lb	8'1 1/2"	37476 ft-lb	0.998 (100%)	D+S	L	- C.uiii						
Shear	7668 lb	1'8 5/8"	23184 lb	0.331 (33%	3) D+S	Ĺ.	1						

Design Notes

LL Defl inch 0.175 (L/1084)

TL Defl inch 0.376 (L/505)

1 Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".

8'1 9/16" 0.395 (L/480) 0.440 (44%) S

8'1 9/16" 0.527 (L/360) 0.710 (71%) D+S

- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top loads must be supported equally by all plies.
- 5 Top must be laterally braced at a maximum of 5'3" o.c.
- 6 Lateral slenderness ratio based on single ply width.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Uniform			Тор	60 PLF	0 PLF	0 PLF	0 PLF	0 PLF	Wall
2	Uniform			Тор	558 PLF	0 PLF	558 PLF	0 PLF	0 PLF	A1
	Self Weight				21 PLF					

Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

Lumber

Dry service conditions, unless noted otherwise
 LVL not to be treated with fire retardant or corrosive

chemicals

Handling & Installation

- andling & Installation
 LVL beams must not be cut or drilled
 Refer to manufacturer's product information
 regarding installation requirements, multi-ply
 fastening details, beam strength values, and code
 approvals
 Damaged Beams must not be used
 Design assumes top edge is laterally restrained
 Provide lateral support at bearing points to avoid
 lateral displacement and rotation

- For flat roofs provide proper drainage to prevent ponding

This design is valid until 12/11/2021

Metsä Wood 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 (800) 622-5850 www.metsawood.com/us ICC-ES: ESR-3633

Manufacturer Info

Comtech, Inc. 1001 S. Reilly Road, Suite #639 Fayetteville, NC USA 28314 910-864-TRUS







Client:

Ben Stout Real Estate

Project:

Address:

3/13/2020

Designer: **David Landry**

Job Name: Lot 39 Blackberry Manor

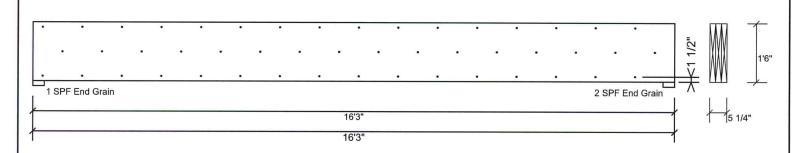
Page 8 of 8

Project #: J0320-1190

GDH Kerto-S LVL 1.750" X 18.000"

3-Ply - PASSED

Level: Level



Multi-Ply Analysis

Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c.. Nail from both sides. Maximum end distance not to exceed

Capacity 0.0 % 0.0 PLF Load 245.6 PLF Yield Limit per Foot Yield Limit per Fastener 81.9 lb. Yield Mode IV Edge Distance 1 1/2' Min. End Distance 3" Load Combination Duration Factor 1.00

Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

Lumber

Dry service conditions, unless noted otherwise
 LVL not to be treated with fire retardant or corrosive

- andling & Installation
 LVt beams must not be cut or drilled
 Refer to manufacturer's product information
 regarding installation requirements, multi-ply
 fastening details, beam strength values, and code
 approvals
 Damaged Beams must not be used
 Design assumes top edge is laterally restrained
 Provide lateral support at bearing points to avoid
 lateral displacement and rotation

This design is valid until 12/11/2021

For flat roofs provide proper drainage to prevent ponding

Manufacturer Info

Metsä Wood 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 (800) 622-5850 www.metsawood.com/us ICC-ES: ESR-3633

Comtech, Inc. 1001 S. Reilly Road, Suite #639 Fayetteville, NC USA 28314 910-864-TRUS







RE: J0320-1190

Lot 39 Blackberry Manor

Trenco

818 Soundside Rd Edenton, NC 27932

Site Information:

Customer:

Project Name: J0320-1190

Lot/Block:

Model:

Address:

Subdivision:

City:

State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: IRC2015/TPI2014

Design Program: MiTek 20/20 8.1

Wind Code: N/A

Wind Speed: N/A mph

Roof Load: N/A psf

Floor Load: 55.0 psf

This package includes 8 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date
1	E13772240	et1	11/18/2019
2	E13772241	f1	11/18/2019
3	E13772242	f2	11/18/2019
4	E13772243	f3	11/18/2019
5	E13772244	f3a	11/18/2019
6	E13772245	f4	11/18/2019
7	E13772246	f5	11/18/2019
8	E13772247	fg1	11/18/2019

The truss drawing(s) referenced above have been prepared by Truss Engineering Co. under my direct supervision

based on the parameters provided by Comtech, Inc - Fayetteville.

Truss Design Engineer's Name: Gilbert, Eric

My license renewal date for the state of North Carolina is December 31, 2020

North Carolina COA: C-0844

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 TRENCO. Any project specific information included is for TRENCO customers file reference purpose only, and was not taken into account in the preparation of these designs. 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	Lot 39 Blackberry Manor	
J0320-1190	ET1	Floor Supported Gable	1	1		E13772240
Comtach Inc	Favottovilla NC 29200	200			Job Reference (optional)	1

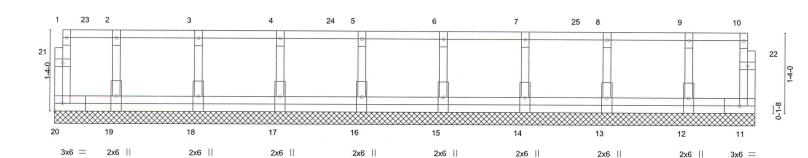
8.130 s Mar 11 2018 MiTek Industries, Inc. Mon Nov 18 08:20:29 2019 Page 1 $ID: KhiM10Q_9 dy 0362 zxk FfqAyJzV8-nTKELBfjjdv6Nvqk5?LVPVbuE_ILpGnv9JGMtlyI?jGNv9JGMtlyII?jGNv9JGMtlyI?jGNv9JGMtlyI?jGNv9JGMtlyII.jgNv9JGMtlyII.jgNv9JGMtlyI.jgNtlyI.jgNtlyI.jgNtlyI.jgN$

Fayetteville, NC 28309

0-1-8

0-1-8

Scale = 1:18.9



-			11-5-0 11-5-0						
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.09 BC 0.01 WB 0.05 Matrix-R	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 11	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 67 lb	GRIP 244/190 FT = 20%F, 11%E

LUMBER-

TOP CHORD 2x4 SP No.1(flat) **BOT CHORD** 2x4 SP No.1(flat) **WEBS** 2x4 SP No.3(flat)

OTHERS 2x4 SP No.3(flat) **BRACING-**TOP CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 11-5-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 20, 11, 19, 18, 17, 16, 15, 14, 13, 12

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

- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
- 2) Plates checked for a plus or minus 1 degree rotation about its center.
- 3) Gable requires continuous bottom chord bearing.
- 4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 5) Gable studs spaced at 1-4-0 oc.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 11-20=-10, 1-10=-100

Concentrated Loads (lb)

Vert: 3=-92 6=-92 9=-96 23=-98 24=-92 25=-92



November 18,2019



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

ANS/TPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information

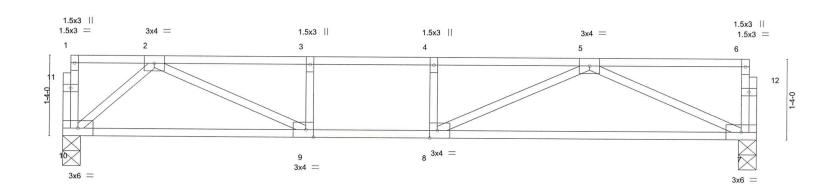
available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 39 Blackberry Manor
	= /				E13772241
J0320-1190	F1	Floor	1	1	
					Job Reference (optional)
Comtech, Inc., Fayette	eville, NC 28309		8.1	30 s Mar	11 2018 MiTek Industries, Inc. Mon Nov 18 08:20:31 2019 Page 1
		ID:K	(hiM10Q_9	9dy0362zx	kFfqAyJzV8-jsS_lthzFE9pcD_7DQNzUwg6toK?H4mCcdlSxAyl?jE
0.1.9					

1-11-0



			11-5-0 11-5-0					
Plate Offsets (X,Y)	8:0-1-8,Edge], [9:0-1-8,Edge]		11-3-0					
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.53 BC 0.51 WB 0.40 Matrix-S	DEFL. ir Vert(LL) -0.16 Vert(CT) -0.25 Horz(CT) 0.02	7-8 7-8	l/defl >833 >540 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 57 lb	GRIP 244/190 FT = 20%F, 11%E

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.1(flat) **BOT CHORD** 2x4 SP No.1(flat) 2x4 SP No.3(flat) **WEBS**

1-3-0

HH

REACTIONS. (lb/size) 10=608/0-3-8, 7=608/0-3-8

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

TOP CHORD 2-3=-1398/0, 3-4=-1398/0, 4-5=-1398/0 **BOT CHORD** 9-10=0/634, 8-9=0/1398, 7-8=0/1056

WEBS 2-10=-841/0, 2-9=0/844, 3-9=-301/0, 5-7=-1157/0, 5-8=0/495

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Plates checked for a plus or minus 1 degree rotation about its center.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



Structural wood sheathing directly applied or 6-0-0 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

November 18,2019

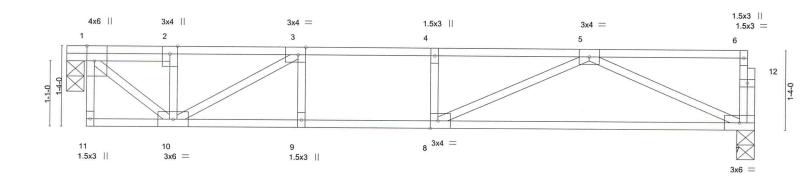
0-1-8 Scale = 1:19.1



Edenton, NC 27932

Job		Truss	Truss Type	Qty	Ply	Lot 39 Blackberry Manor	
J0320-1190	•	F2	Floor	4	1	w-	E13772242
Comtech, Inc.,	Fayette	ville, NC 28309		8		Job Reference (optional)	

ID:KhiM10Q_9dy0362zxkFfqAyJzV8-jsS_lthzFE9pcD_7DQNzUwg5toIJH5MCcdlSxAyl?jE 0-4-0 1-3-0 2-0-0 2-1-0 2-6-0 0-1-8 Scale = 1:19.2



0-4-0					11-5-0 11-1-0						
Plate Offsets (X,) [1:0-3-0,Edge], [3:0-1-8	,Edge], [8:0-1-8	,Edge]		11-1-0						
LOADING (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC	0.60	Vert(LL)	-0.17	7-8	>777	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC	0.61	Vert(CT)	-0.27	7-8	>489	360		
BCLL 0.0	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.03	7	n/a	n/a		
BCDL 5.0	Code IRC2015/7	ΓPI2014	Matri	x-S						Weight: 59 lb	FT = 20%F, 11%E
LUMPED											

LUMBER-

2x4 SP No.1(flat) TOP CHORD **BOT CHORD** 2x4 SP No.1(flat)

WEBS 2x4 SP No.3(flat) **BRACING-**

TOP CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 7=593/0-3-8, 1=599/0-3-8

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

1-2=-591/0, 2-3=-588/0, 3-4=-1313/0, 4-5=-1313/0

BOT CHORD 9-10=0/1313, 8-9=0/1313, 7-8=0/1022

WEBS 1-10=0/765, 3-10=-858/0, 5-7=-1119/0, 5-8=0/443

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Plates checked for a plus or minus 1 degree rotation about its center.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 4) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
- 5) CAUTION, Do not erect truss backwards.



November 18,2019



👠 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/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job		Truss	Truss Type	Qty	Ply	Lot 39 Blackberry Manor	
J0320-1190		F3	Floor	3	1		E13772243
						Job Reference (optional)	
Comtech, Inc.,	Fayette	ville, NC 28309		8.1	30 s Mar	11 2018 MiTek Industries, Inc. Mon Nov 18 08:20:32 2019	Page 1
			ID:KhiM	10Q_9dy0	362zxkFfq	AyJzV8-B20NzDib0YHgEMZJm7vC17DL3CeK0WCLrHU07	dyl?jD
0-1-8						•	

1-7-0

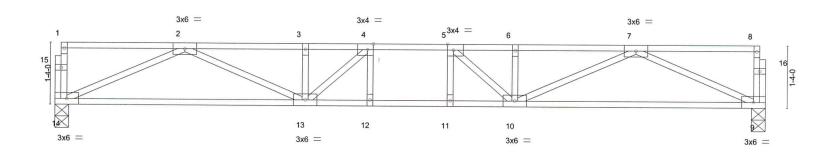


Plate Offse	ts (X,Y)	[4:0-1-8,Edge], [5:0-1-8,Edge]		15-1-0	
	(psf) 40.0 10.0 0.0 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.31 BC 0.56 WB 0.45	DEFL. in (loc) l/defl L/d Vert(LL) -0.13 11-12 >999 480 Vert(CT) -0.18 11-12 >999 360 Horz(CT) 0.04 9 n/a n/a	PLATES GRIP MT20 244/190
DODL	5.0	Code IRC2015/1PI2014	Matrix-S		Weight: 78 lb FT = 20%F, 119
LUMBER-	RD 2x4 SP	No.1(flat)		BRACING- TOP CHORD Structural wood sheathing di	rectly applied or 6-0-0 oc purlins

BOT CHORD

except end verticals.

Rigid ceiling directly applied or 10-0-0 oc bracing.

BOT CHORD

2x4 SP No.1(flat)

2x4 SP No.3(flat) **WEBS**

REACTIONS. (lb/size) 14=810/0-3-8, 9=810/0-3-8

2-6-0

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-3=-2316/0, 3-4=-2316/0, 4-5=-2475/0, 5-6=-2316/0, 6-7=-2316/0 TOP CHORD

BOT CHORD

13-14=0/1496, 12-13=0/2475, 11-12=0/2475, 10-11=0/2475, 9-10=0/1496

WEBS 2-14=-1641/0, 2-13=0/907, 7-9=-1641/0, 7-10=0/907, 5-10=-457/90, 4-13=-457/90

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 1.5x3 MT20 unless otherwise indicated.
- 3) Plates checked for a plus or minus 1 degree rotation about its center.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



November 18,2019



🗥 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/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



818 Soundside Road Edenton, NC 27932

Job Truss Truss Type Qty Ply Lot 39 Blackberry Manor E13772244 J0320-1190 F3A Floor Job Reference (optional) Comtech, Inc. Fayetteville, NC 28309

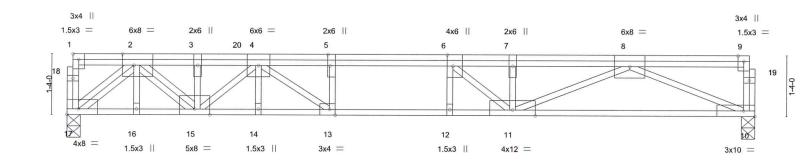
8.130 s Mar 11 2018 MiTek Industries, Inc. Mon Nov 18 08:20:33 2019 Page 1 ID:KhiM10Q_9dy0362zxkFfqAyJzV8-fEZIAZiDnsPXsW8VKrQRaLmNAbvjlsQU3xEZ03yI?jC

Structural wood sheathing directly applied or 6-0-0 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

0-1-8 H - 1-2-8 2-5-8 1-3-0 2-6-0 0-1-8 Scale = 1:25.4 2-6-0



-						15-1-0 15-1-0						
Plate Offs	sets (X,Y)	[1:Edge,0-1-8], [2:0-3-0,E	Edge], [5:0-3-0	,Edge], [6:0-3	3-0,Edge], [1		:Edge,0	-1-8]				
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.87	Vert(LL)	-0.21	13	>844	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.29	13-14	>605	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.84	Horz(CT)	0.06	10	n/a	n/a		
BCDL	5.0	Code IRC2015/TF	PI2014	Matrix	k-S	and the second second second					Weight: 105 lb	FT = 20%F, 11%E

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.1(flat)

BOT CHORD 2x4 SP 2400F 2.0E(flat)

2x4 SP No.3(flat) **WEBS**

REACTIONS. (lb/size) 17=1903/0-3-8, 10=1171/0-3-8

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

TOP CHORD 2-3=-4189/0, 3-4=-4216/0, 4-5=-5032/0, 5-6=-5032/0, 6-7=-3997/0, 7-8=-3997/0

BOT CHORD 16-17=0/2203, 15-16=0/2203, 14-15=0/5615, 13-14=0/5615, 12-13=0/5032, 11-12=0/5032, 10-11=0/2388

WEBS 8-10=-2599/0, 8-11=0/1763, 7-11=0/410, 6-11=-1669/0, 2-17=-2844/0, 2-15=0/2663, 3-15=-598/0, 4-15=-1817/0,

4-13=-1109/0, 5-13=0/504

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Plates checked for a plus or minus 1 degree rotation about its center.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1536 lb down at 3-9-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Concentrated Loads (lb)

Vert: 10-17=-10, 1-9=-100 Vert: 20=-1456(F)



November 18,2019



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

818 Soundside Road Edenton, NC 27932

A WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-1473 rev. 10/03/2015 BEFORE USE.

November 18,2019

CITBERY

Strongbacks to be attached to walls at their outer ends or restrained by other means.

4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. 3) Plates checked for a plus or minus 1 degree rotation about its center.

2) All plates are MT20 plates unless otherwise indicated. 1) Unbalanced floor live loads have been considered for this design.

NOTES-

2-16=-2094/0, 2-15=0/1376, 3-15=-304/24, 8-10=-2093/0, 8-11=-31380, 7-11=-309/20, 5-11=-984/0, 4-15=-989/0

MEBS 15-16=0/1907, 13-15=0/3780, 12-13=0/3780, 11-12=0/3780, 10-11=0/1907 вот сновр

2-3=-3152/0, 3-4=-3152/0, 4-5=-3780/0, 5-7=-3155/0, 7-8=-3155/0 тор сноя

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

> (lb/size) 16=1002/0-3-8, 10=1002/0-3-8 REACTIONS.

2x4 SP No.3(flat) **MEB2** 2x4 SP 2400F 2.0E(flat) вот снояр

LUMBER-

TOP CHORD

2x4 SP 2400F 2.0E(flat)

BRACING-

except end verticals.

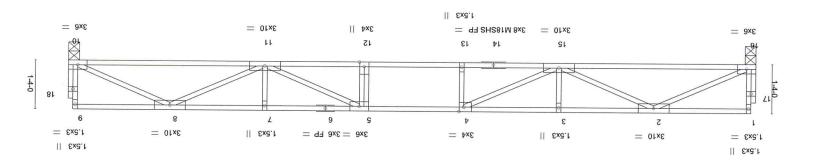
вот сноя TOP CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.

GRIP 244/190 244/190 FT = 20%F, 11%E	PLATES MT20 M18SHS M18SHS	987 480	887< 418<	(sol) ni S1-11 8S.0- S1-11 8E.0- 01 80.0	DEFL. Ver(CL) Ver(CT) Horz(CT)	CSI. TC 0.41 BC 0.67 WB 0.66 Matrix-S	2-0-0 1.00 1.00 1.00	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Rode IRCS015/TR	(psf) 2 40.0 10.0 0.0 5.0	BCDL BCLL TCDL TCLL LOADIN
								[9gb∃,8-1-0:4	(Y,X) stas	Plate Off

0-7-81



HH8-2-2 0-9-7 8-1-0

ID:KhiM10Q_9dy0362zxkFfqAyJzV8-7R77OvjrY9XOTgiiuYxg6Ylf1?KIUMWelbz7YVyJl?jB

9-1-8 Scale = 1:31.4

1 2018 MiTek Industries, Inc. Mon Nov 18 08:20:34 2019 Page 1		1.8		ville, NC 28309	Comtech, Inc., Fayetter
E13772245 (optional)	ı	2	Floor	F4	0611-0250L
Lot 39 Blackberry Manor	الم	CIÀ	ıınsa ıλbe	ssnii	gon

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 fuse system. Before use, the building designer must verify the applicability of design parameters and properly individual temporary and personent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the bearing a slways required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the salways required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the salways required to prevent collapse with possible personal injury and properly damage. ANSINTRY Quality Criteria, DSSS14. WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MILTAT3 rev. 10/03/2015 BEFORE USE.



November 18,2019 CILBERK 036322

6) CAUTION, Do not erect truss backwards. Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

capacity of bearing surface.

4) Bearing at joint(s) 21 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify

Natrix-5

MB

BC

CL

3x10 = 3x8 M18SHS FP

91

II Exa. f

GL

CSI

89.0

99.0

14.0

3) Plates checked for a plus or minus 1 degree rotation about its center.

2) All plates are MT20 plates unless otherwise indicated.

1) Unbalanced floor live loads have been considered for this design.

NOIES-

3-16=0/1320, 4-16=-324/12, 5-16=-926/0, 1-21=-1007/0

1-17=0/1423, 9-11=-2080/0, 9-12=0/1363, 8-12=-301/18, 6-12=-960/0, 3-17=-148/0,

MEBS 3681/0=21-11,4475/0=51-31,445/0=41-51,445/0=61-41,7961/0=71-31 вот снокр

8-9=-3127/0

тор сновр

1-2=-1154/0, 2-3=-1152/0, 3-4=-3191/0, 4-5=-3191/0, 5-6=-3744/0, 6-8=-3127/0,

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

Code IRC2015/TPI2014

[1:0-3-8,Edge], [5:0-1-8,Edge], [6:0-1-8,Edge]

Rep Stress Incr

Lumber DOL

SPACING-

Plate Grip DOL

8-E-0/68e=12, 8-E-0/69e=11 (5ais/dl) REACTIONS.

> 4x4 SP No.2(flat) OTHERS

2x4 SP No.3(flat)

MFB2 2x4 SP 2400F 2.0E(flat) вот снокр

TOP CHORD

LOADING (psf)

Plate Offsets (X,Y)--

TOMBER-

RCDF

BCLL

TCDL

0.8

0.0

0.01

0.04

1. 5x3. f

= 8xg

81

2x4 SP 2400F 2.0E(flat)

VES

1.00

1.00

2-0-0

тор сновр - ВКАСІИС

0-7-81

|| Ex3.1

tL

G

= $\pm x \epsilon$

вот снокр

II EXG. I

1

3×4 =

= 44.9xE

13

except end verticals.

Rigid ceiling directly applied or 10-0-0 oc bracing.

Structural wood sheathing directly applied or 6-0-0 oc purlins,

FT = 20%F, 11%E Weight: 96 lb

Horz(CT) n/a E/U LL 60.0 244/190 SHS81M 390 799< 91-41 88.0-244/190 MT20 480 **PY8<** 91-41 82.0-

Vert(CT) Ver(LL) PLATES I/defl (00) ui DEFL.

= 01x8

7.1

0-7-81

GRIP

= 9XE

11 Ex3.1

E13772246

61 10 6 = Ex3.1 = 01xE II EXG. I

Scale = 1:31.6 84-0

8-2-7 ID:KhiM10Q_9dy0362zxkFfqAyJzV8-bdhVbFkUJTfF5qHuSGSvfmrqoPgHDpSnXFjg4yyl?jA 8.130 s Mar 11 2018 MiTek Industries, Inc. Mon Nov 18 08:20:35 2019 Page 1 Job Reference (optional)

Lot 39 Blackberry Manor

Qty

Floor Luss Type

Truss

2-6-0

3

3×10 =

Fayetteville, NC 28309 EP

= 8xp

11

2

3x4 ||

Comtech, Inc.,

dol

10320-1190

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 fuse system, Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Brecing indicated is to prevent buckling of individual turss web and/or chord members only. Additional temporary and permanent bracing building of prevent collapse with possible personal injury and properly damage. For gineral guidance regarding the fabrication, slorage, delivery, erection and bracing of trusses and truss systems, see

**ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component fabrication available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 23314.

Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 23314.

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-1473 rev. 10/03/2015 BEFORE USE.





Scale = 1:15.5

0-E-L

ID:KhiM10Q_9dy0362zxkFfqAyJzV8-bdhVbFkUJTfF5qHuSGSvfmrjZPeKDqxnXFjg4yyl?jA

713-=71 994-=81 994-=2 :h9V

Concentrated Loads (lb)

Vert: 8-14=-10, 1-7=-100

Uniform Loads (plf)

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

LOAD CASE(S) Standard

4) CAUTION, Do not erect truss backwards.

Strongbacks to be attached to walls at their outer ends or restrained by other means.

3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

2) Refer to girder(s) for truss to truss connections.

1) Plates checked for a plus or minus 1 degree rotation about its center.

NOTES-**MEBS**

2-14=-2245/0, 2-12=0/1146, 3-12=-358/0, 4-12=-504/0, 4-10=-402/0, 5-10=-465/0, 6-10=0/1223, 6-8=-2253/0

13-14=0/1856, 12-13=0/1856, 11-12=0/3195, 10-11=0/3195, 9-10=0/1874, 8-9=0/1874

вот сноя 7-8=-294/0, 2-3=-2786/0, 3-4=-2786/0, 4-5=-2868/0, 5-6=-2868/0 тор сноя

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

(lb/size) 14=1351/0-3-8, 8=1556/Mechanical REACTIONS.

2x4 SP No.3(flat) 2x4 SP No.1(flat) вот сноя

2x4 SP No.1(flat)

TOP CHORD

MERR

						-БИРСІИС-				-1	LUMBER
СВІР 244/190 FT = 20%F, 11%E	PLATES MT20 Weight: 49 lb	e/u 098 08 <i>t</i> P/7	ll-defl 9999 8/n	(loc) 11 8	ni 80.0- 60.0- 60.0	DEFL. Ver(CT) Ver(CT) Horz(CT)	CSI. TC 0.84 BC 0.67 WB 0.58 Matrix-P	0-0-S 1.00 1.00 NOSI	SPACING- Plate Grip DOL Rep Stress Incr Rep Stress Incr	(haq) 5 0.04 0.01 0.0 0.0 0.0	LOADING TCDL BCLL BCDL BCDL
									[8-1-0,8-1-0:8]	(Y,X) stes	Plate Off

вот сновр

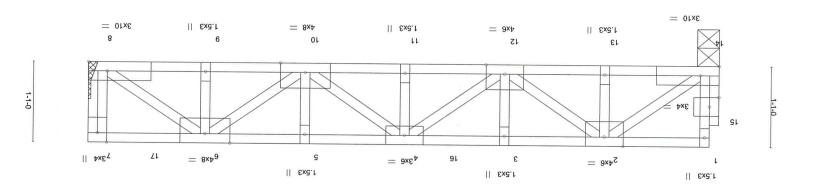
TOP CHORD

0-9-8

except end verticals.

Rigid ceiling directly applied or 10-0-0 oc bracing.

Structural wood sheathing directly applied or 6-0-0 oc purlins,



+H1-2-8

8-1-0

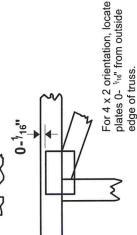
1 2018 MiTek Industries, Inc. Mon Nov 18 08:20:35 2019 Page 1		1.8		ille, NC 28309	Comtech, Inc., Fayettev
Job Reference (optional)					
E13772247	ı	L	Floor Girder	FG1	1902sor
Fot 39 Blackberry Manor	ЫÀ	Qty	Truss Type	Truss	dol

Symbols

PLATE LOCATION AND ORIENTATION



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



required direction of slots in This symbol indicates the connector plates. * Plate location details available in MiTek 20/20 software or upon request.

PLATE SIZE

4 × 4

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

LATERAL BRACING LOCATION



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

BEARING



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

Plate Connected Wood Truss Construction. DSB-89:

Design Standard for Bracing. Building Component Safety Information,

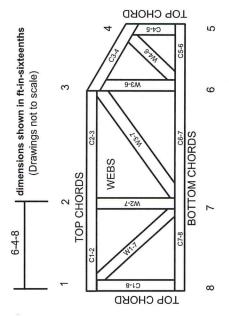
BCSI:

Industry Standards:

ANSI/TPI1: National Design Specification for Metal

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

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

rrusses 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. © 2012 MiTek® All Rights Reserved





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. 5
- Never exceed the design loading shown and never stack materials on inadequately braced trusses. ë
- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties. 4
- Cut members to bear tightly against each other. 5
- joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1. Place plates on each face of truss at each 6
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1. 7
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication. œ
- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber. 6
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is t 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
- 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.
- 15. 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.
- 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
- Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.