

RE: J1222-5968 Precision/26 Liberty Meadows/Harnett **Trenco** 818 Soundside Rd Edenton, NC 27932

Site Information:

Customer: Project Name: J1222-5968 Lot/Block: Address: City:

Model: Subdivision: State:

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

Design Code: IRC2015/TPI2014 Wind Code: ASCE 7-10 Roof Load: 40.0 psf Design Program: MiTek 20/20 8.4 Wind Speed: 130 mph Floor Load: N/A psf

This package includes 20 individual, dated Truss Design Drawings and 0 Additional Drawings.

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. - Favettevill

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

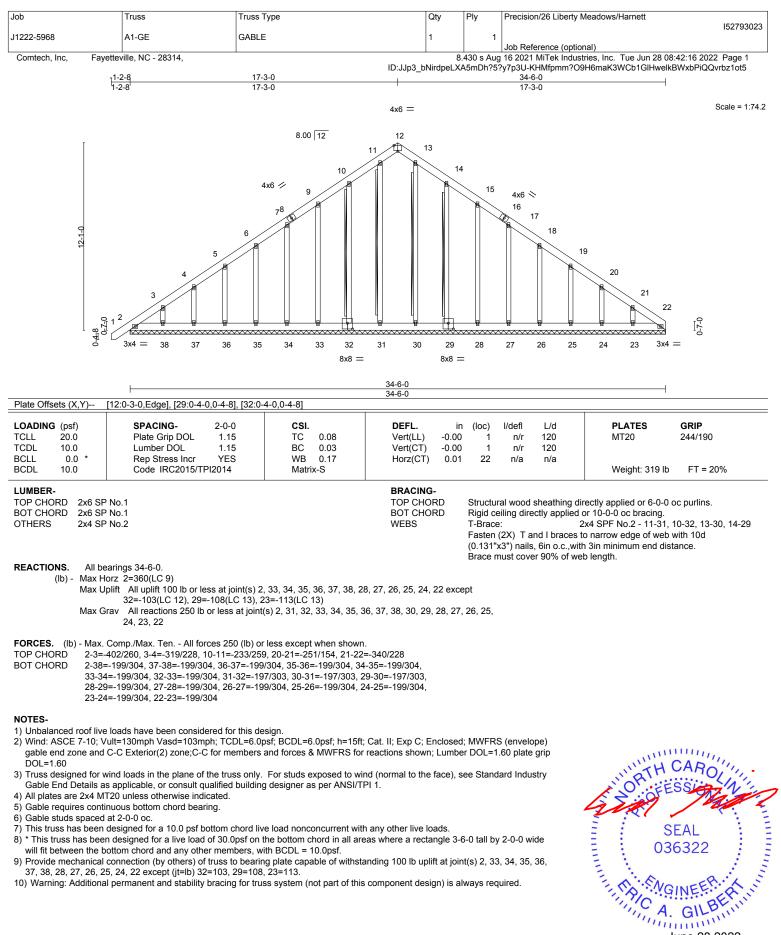
Truss Design Engineer's Name: Gilbert, Eric

My license renewal date for the state of North Carolina is December 31, 2023

North Carolina COA: C-0844

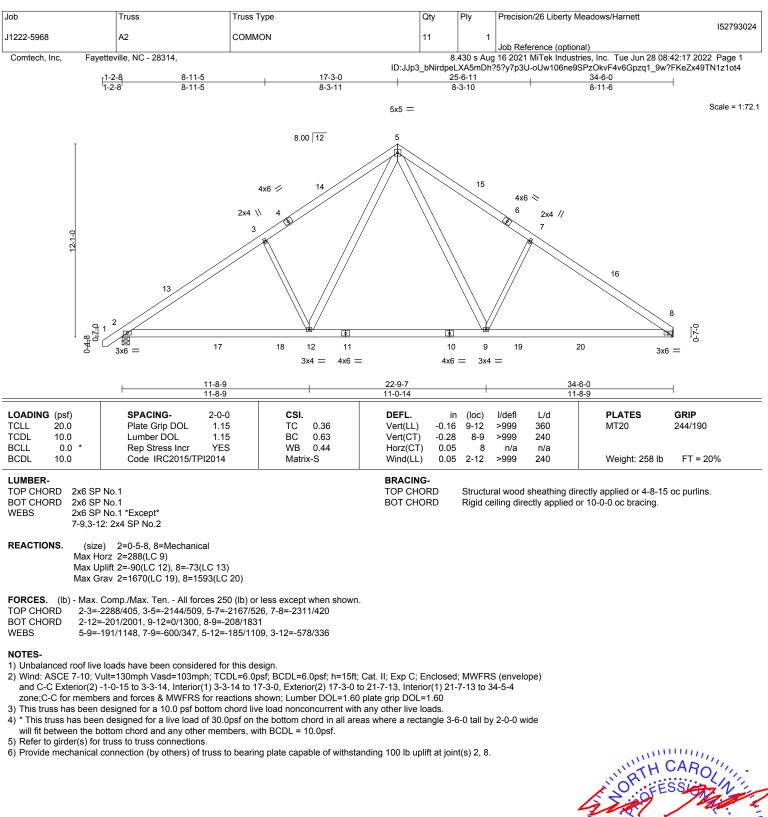
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which 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.





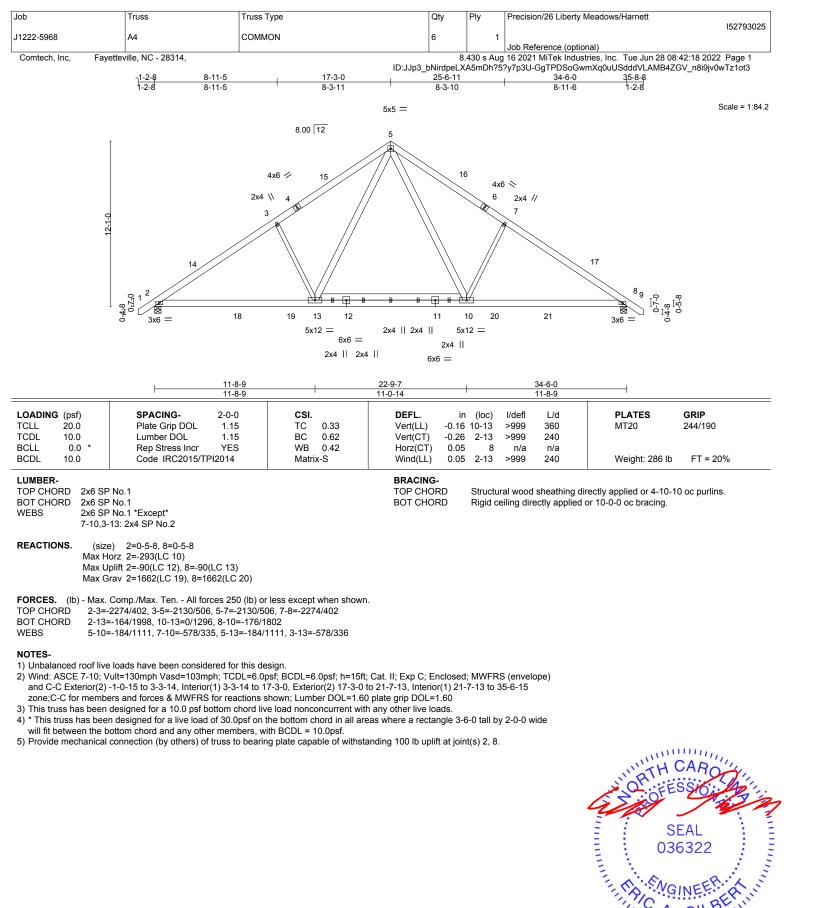
June 28,2022







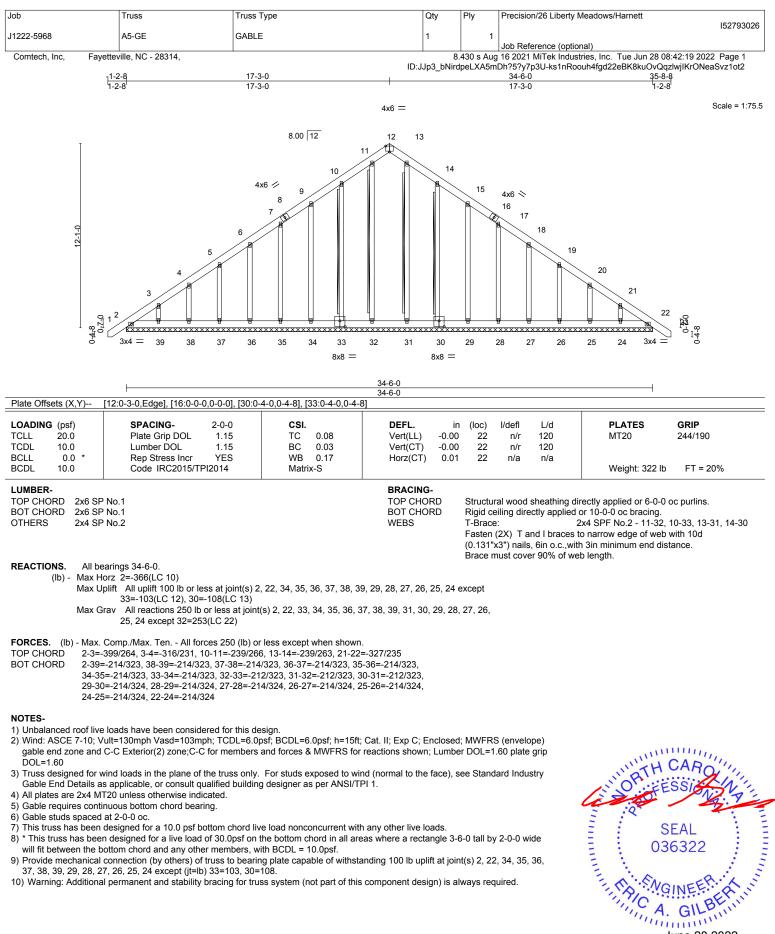




WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

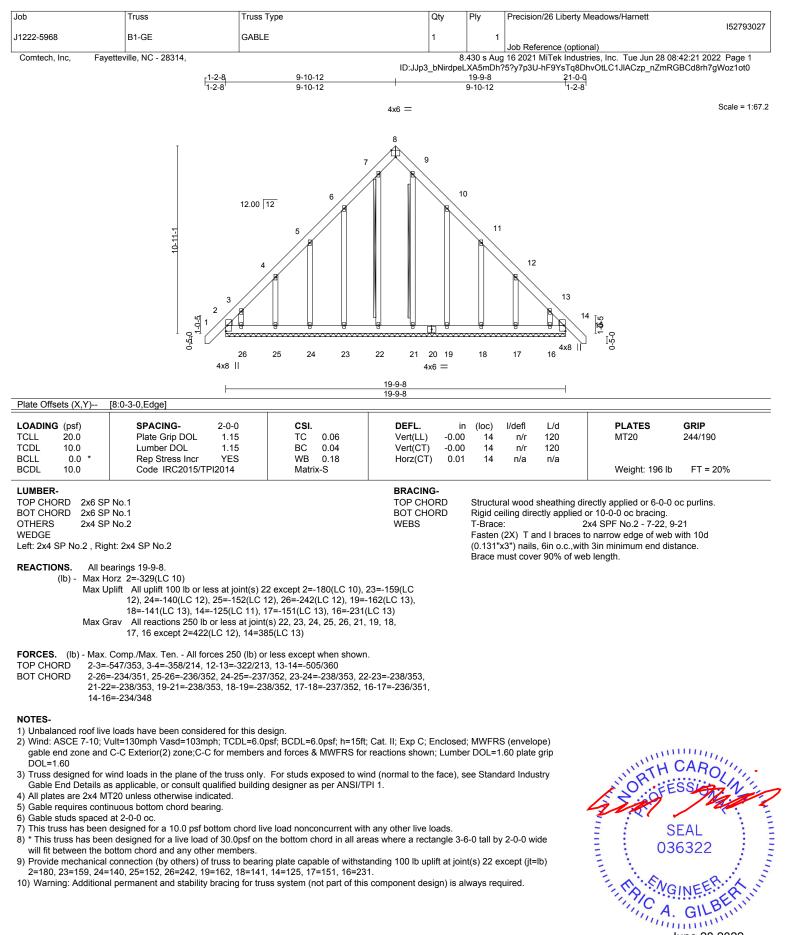


TRENCO A MITek Affiliate 818 Soundside Road Edenton, NC 27932



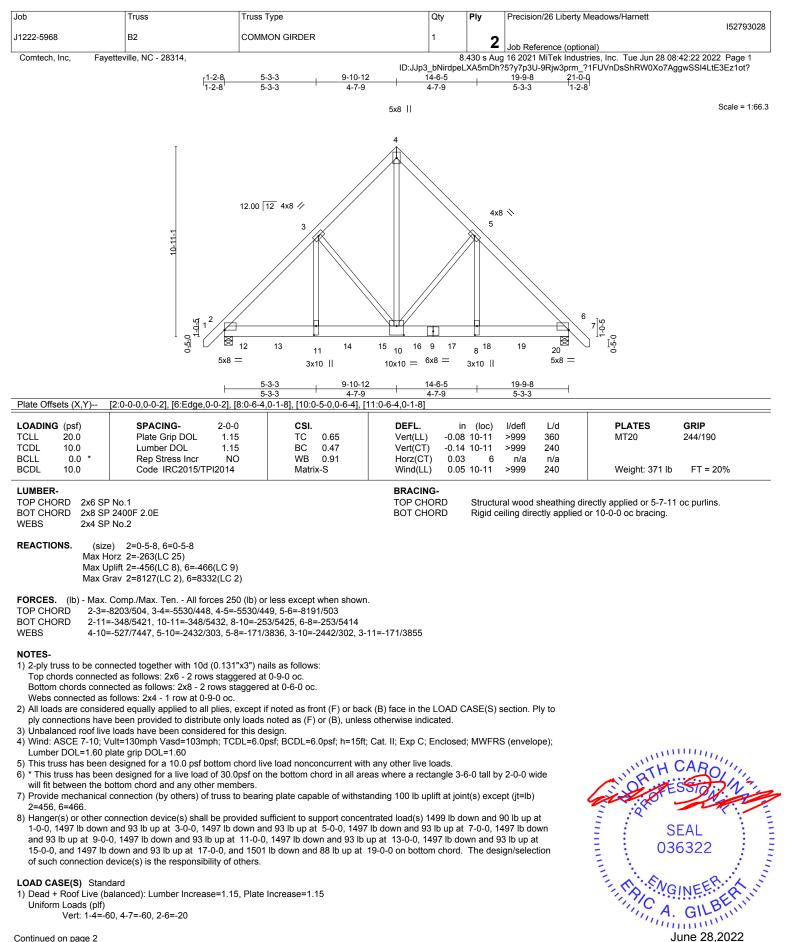
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June 28,2022





Continued on page 2

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818 Soundside Road Edenton, NC 27932

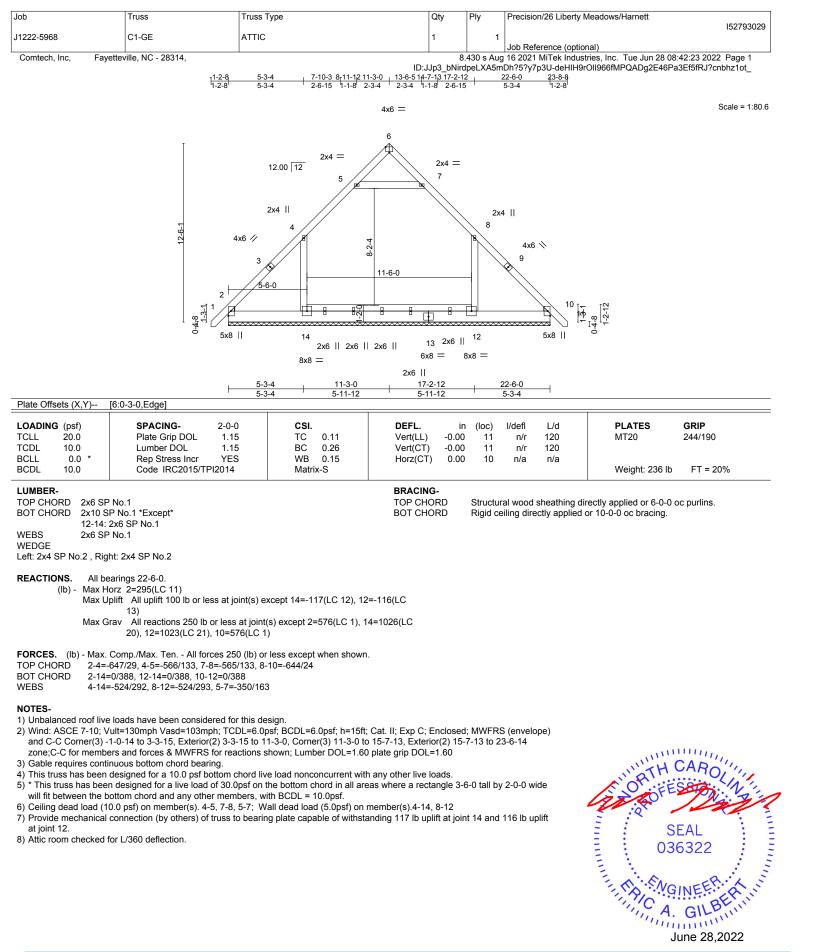
Job	Truss	Truss Type	Qty	Ply	Precision/26 Liberty Meadows/Harnett
					152793028
J1222-5968	B2	COMMON GIRDER	1	2	
				_	Job Reference (optional)
Comtech, Inc, Fayettev	ille, NC - 28314,		8.	430 s Aug	16 2021 MiTek Industries, Inc. Tue Jun 28 08:42:22 2022 Page 2

ID:JJp3_bNirdpeLXA5mDh?5?y7p3U-9Rjw3prm_?1FUVnDsShRW0Xo7AggwSSI4LtE3Ez1ot?

LOAD CASE(S) Standard Concentrated Loads (lb)

Vert: 11=-1347(B) 12=-1349(B) 13=-1347(B) 14=-1347(B) 15=-1347(B) 16=-1347(B) 17=-1347(B) 18=-1347(B) 19=-1347(B) 20=-1351(B)

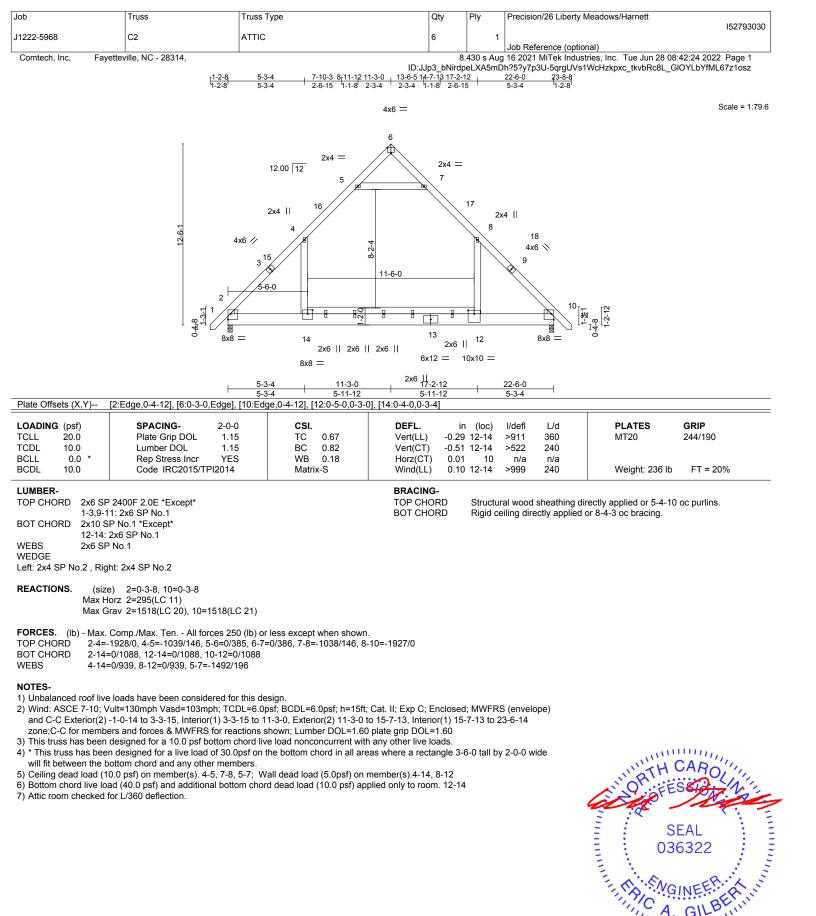




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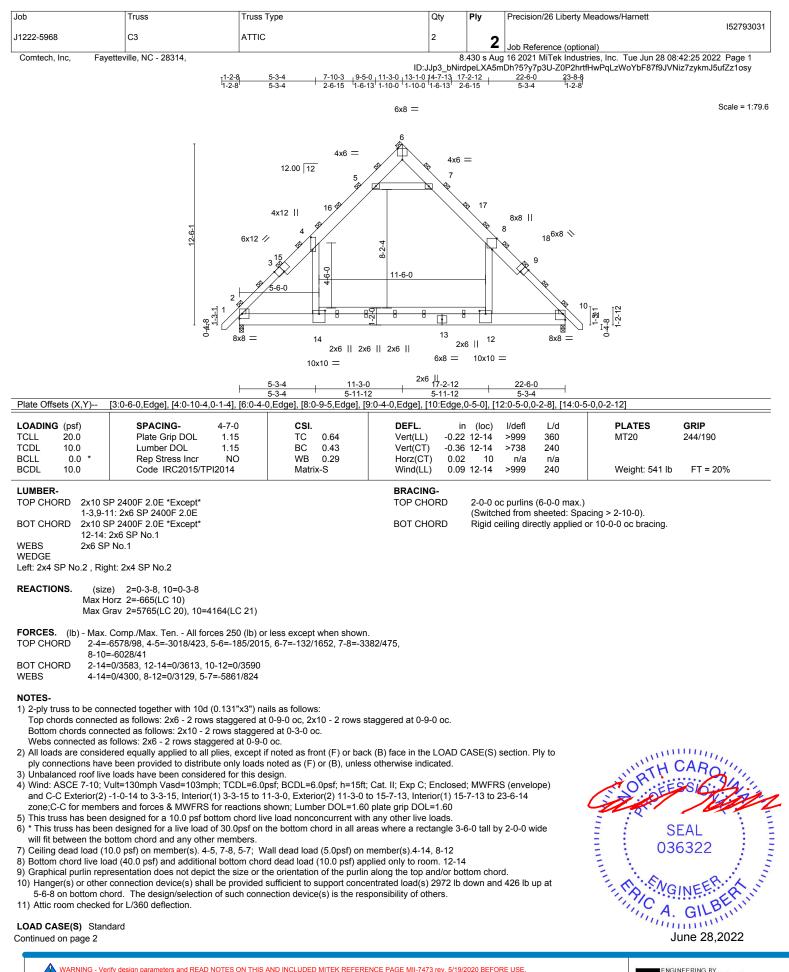


Edenton, NC 27932



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ponent B18 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Precision/26 Liberty Meadows/Harnett
					152793031
J1222-5968	C3	ATTIC	2	ົ	
				–	Job Reference (optional)
Comtech, Inc, Fayette	/ille, NC - 28314,		. 8.	430 s Aug	16 2021 MiTek Industries, Inc. Tue Jun 28 08:42:25 2022 Page 2

ID:JJp3_bNirdpeLXA5mDh?5?y7p3U-Z0P2hrtfHwPqLzWoYbF87f9JVNiz7zykmJ5ufZz1osy

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

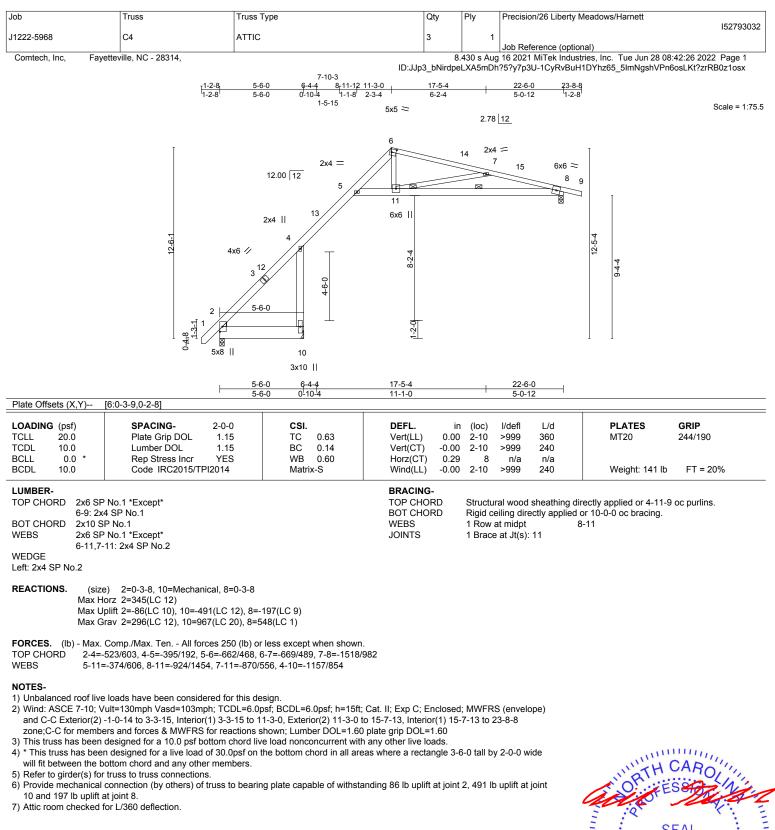
Uniform Loads (plf) Vert: 1-4=-137, 4-5=-183, 5-6=-137, 6-7=-137, 7-8=-183, 8-11=-137, 2-14=-46, 12-14=-92, 10-12=-46, 5-7=-46

Drag: 4-14=-23, 8-12=-23

Concentrated Loads (lb)

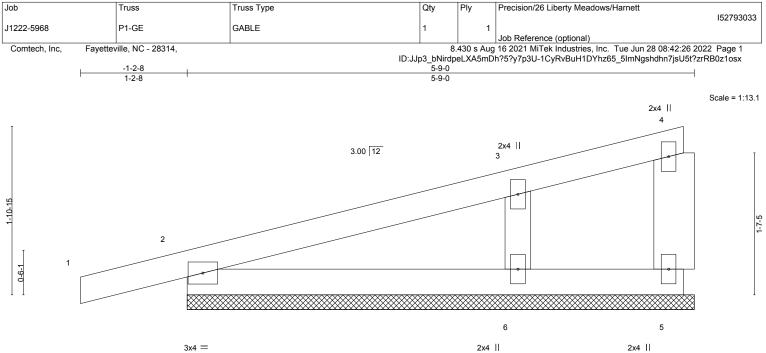
Vert: 14=-1687(F)











LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	l/defl L/d	PLATES GRIP
TCLL 20.0 TCDL 10.0	Plate Grip DOL1.15Lumber DOL1.15	TC 0.10 BC 0.08	Vert(LL) -0.00 1 Vert(CT) 0.00 1	n/r 120 n/r 120	MT20 244/190
BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code IRC2015/TPI2014	WB 0.04 Matrix-P	Horz(CT) 0.00	n/a n/a	Weight: 23 lb FT = 20%
LUMBER- TOP CHORD 2x4 SP	No.1		BRACING- TOP CHORD Struct	tural wood sheathing dire	ctly applied or 5-9-0 oc purlins,

BOT CHORD

except end verticals.

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

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x6 SP No.1
OTHERS	2x4 SP No.2

REACTIONS. (size) 5=5-9-0, 2=5-9-0, 6=5-9-0 Max Horz 2=80(LC 8)

Max Uplift 5=-10(LC 8), 2=-93(LC 8), 6=-93(LC 12) Max Grav 5=20(LC 1), 2=210(LC 1), 6=284(LC 1)

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

NOTES-

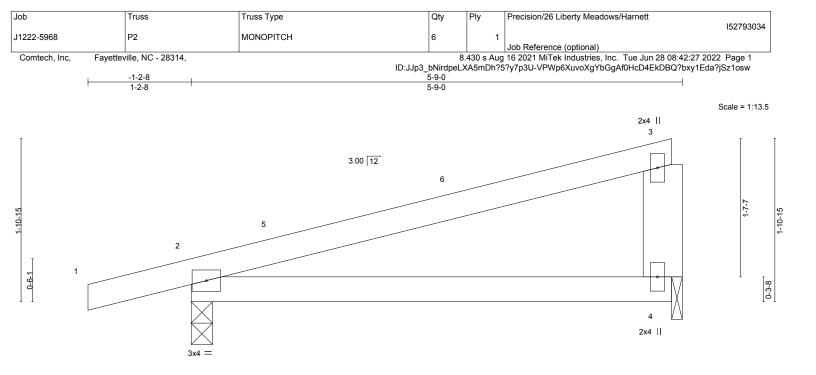
- 1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed 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.
- * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide 6) will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 10 lb uplift at joint 5, 93 lb uplift at joint 2 and 93 lb uplift at joint 6.







L OADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	Plate Grip DOL 1 Lumber DOL 1	-0-0 CSI. 1.15 TC 0.37 1.15 BC 0.27 YES WB 0.00 014 Matrix-P	DEFL. Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.04 -0.09 0.00 0.10	(loc) 2-4 2-4 2-4	l/defl >999 >728 n/a >655	L/d 360 240 n/a 240	PLATES MT20 Weight: 22 lb	GRIP 244/190 FT = 20%
LUMBER- TOP CHORD 2x4 SP	BRACING- TOP CHOF		Structu	iral wood	sheathing di	rectly applied or 5-9-0	oc purlins,		

BOT CHORD

OP CHORD 2x4 SP No.1 BOT CHORD WEBS 2x6 SP No.1

REACTIONS. (size) 2=0-3-0, 4=0-1-8 Max Horz 2=56(LC 8) Max Uplift 2=-130(LC 8), 4=-85(LC 8) Max Grav 2=306(LC 1), 4=206(LC 1)

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

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NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-2-8 to 3-2-5, Interior(1) 3-2-5 to 5-6-4 zone; porch left and right 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit 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 130 lb uplift at joint 2 and 85 lb uplift at joint 4.



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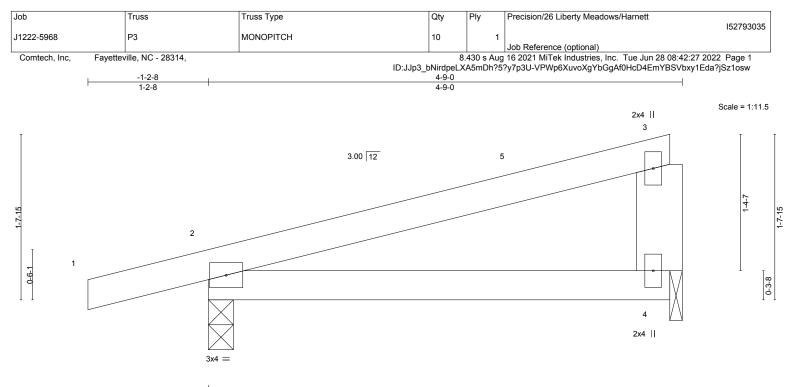
818 Soundside Road

Edenton, NC 27932



Structural wood sheathing directly applied or 5-9-0 oc purlins, except end verticals.

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



LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. ii	(loc)	l/defl	L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.22	Vert(LL) -0.02	2-4	>999	360	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.17	Vert(CT) -0.04	2-4	>999	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) 0.04	2-4	>999	240	Weight: 18 lb FT = 20

TOP CHORD

BOT CHORD

LUMBER-

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

REACTIONS. (size) 2=0-3-0, 4=0-1-8 Max Horz 2=48(LC 8) Max Uplift 2=-117(LC 8), 4=-67(LC 8) Max Grav 2=268(LC 1), 4=164(LC 1)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-2-8 to 3-2-5, Interior(1) 3-2-5 to 4-6-4 zone; porch left and right 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit 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 117 lb uplift at joint 2 and 67 lb uplift at joint 4.

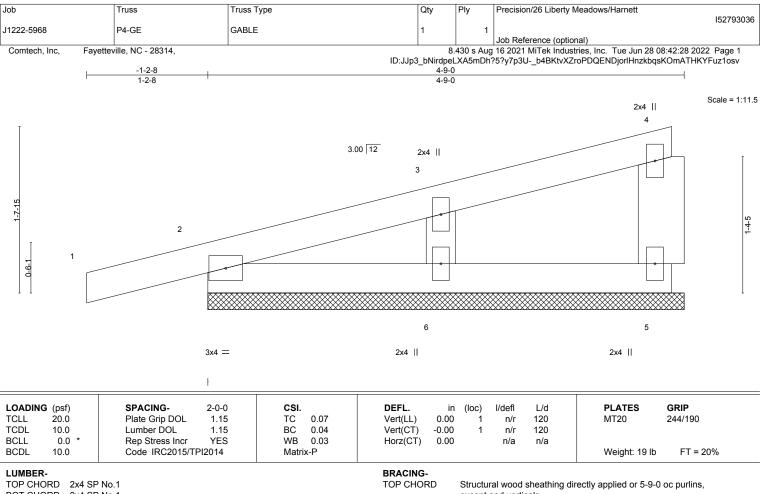


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Structural wood sheathing directly applied or 5-9-0 oc purlins, except end verticals.

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



BOT CHORD

 TOP CHORD
 2x4 SP No.1

 BOT CHORD
 2x4 SP No.1

 WEBS
 2x6 SP No.1

 OTHERS
 2x4 SP No.2

except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=4-9-0, 2=4-9-0, 6=4-9-0 Max Horz 2=69(LC 8) Max Uplift 5=-25(LC 8), 2=-85(LC 8), 6=-65(LC 12)

Max Grav 5=70(LC 1), 2=167(LC 1), 6=197(LC 1)

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

NOTES-

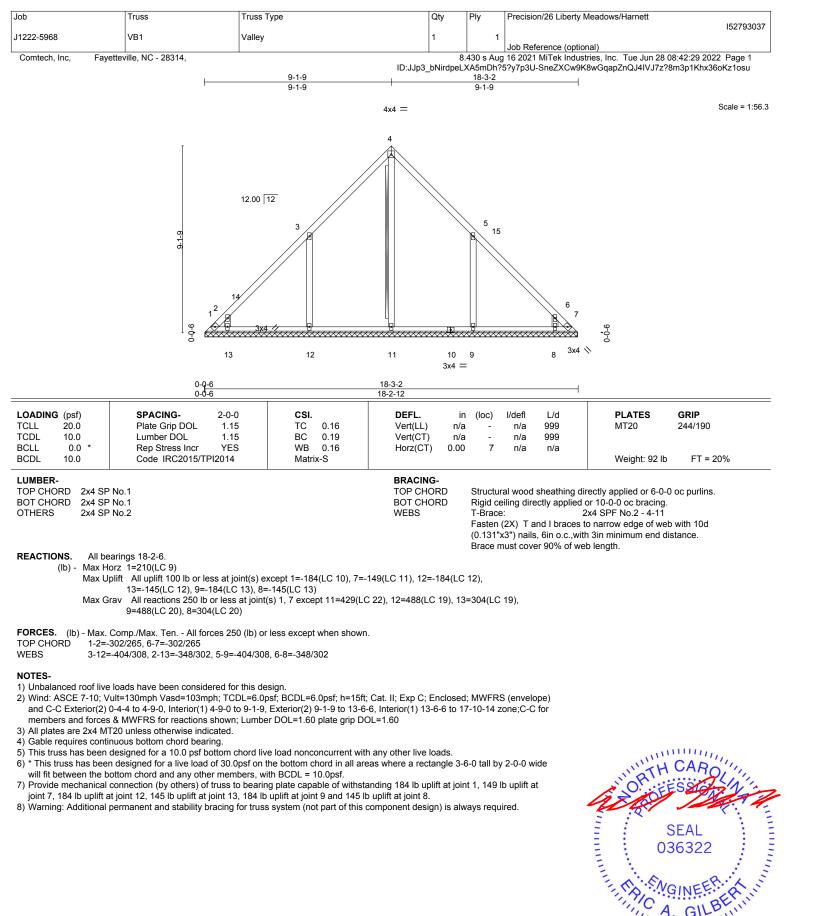
- Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 5, 85 lb uplift at joint 2 and 65 lb uplift at joint 6.



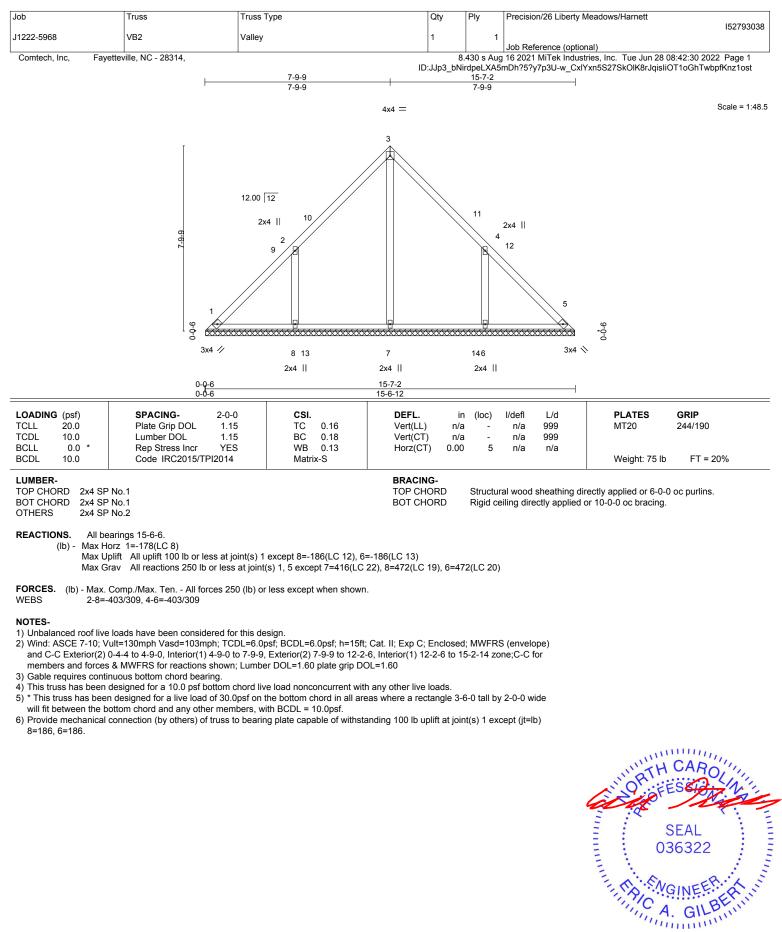




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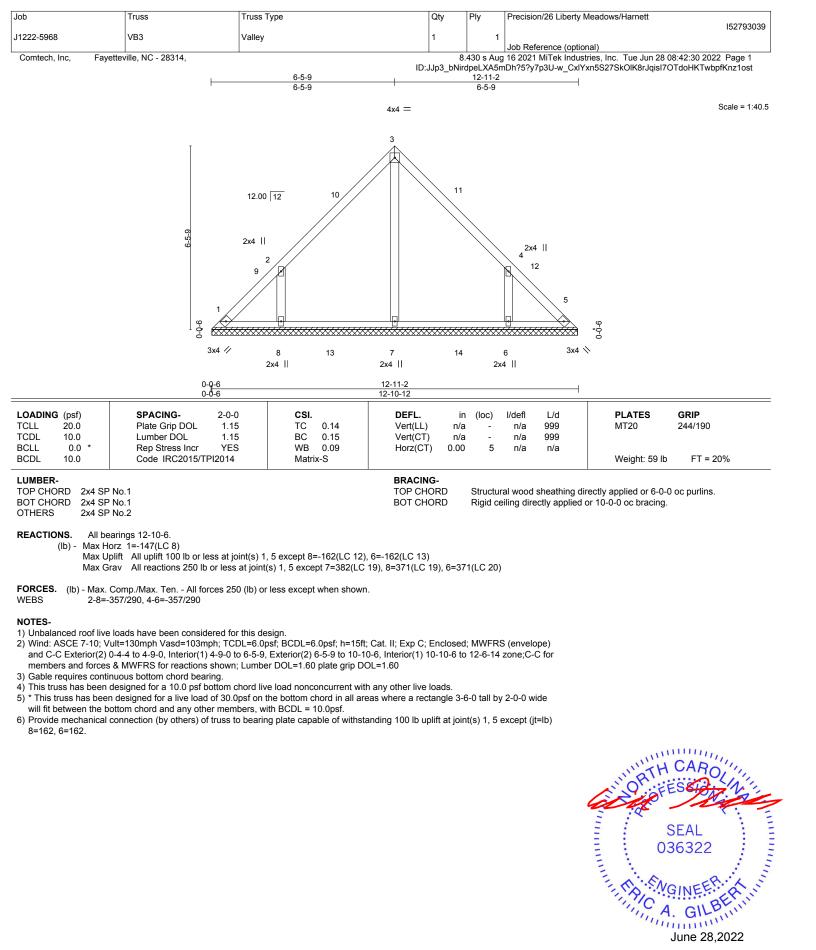


June 28,2022

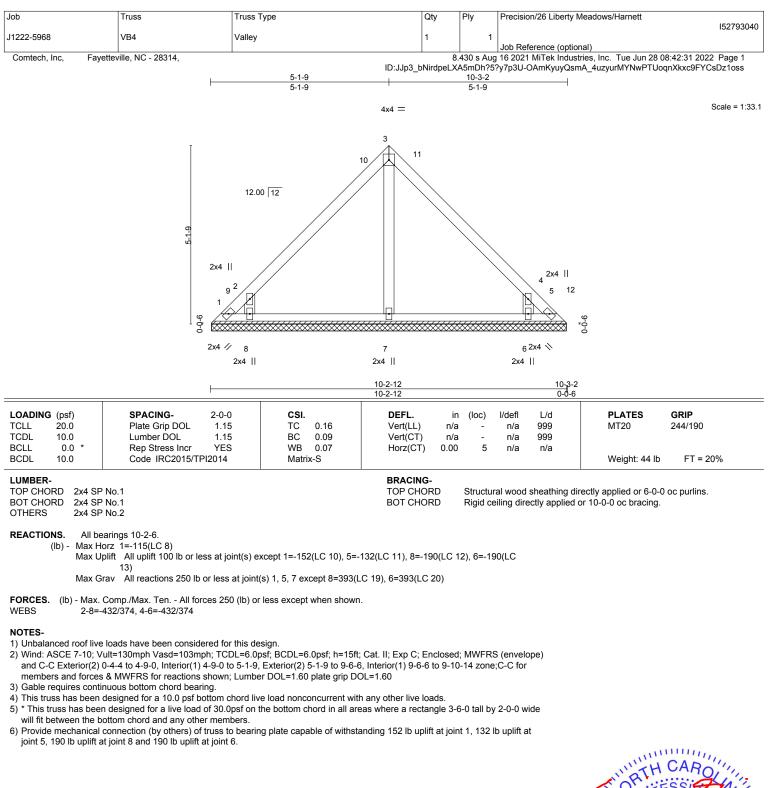


June 28,2022





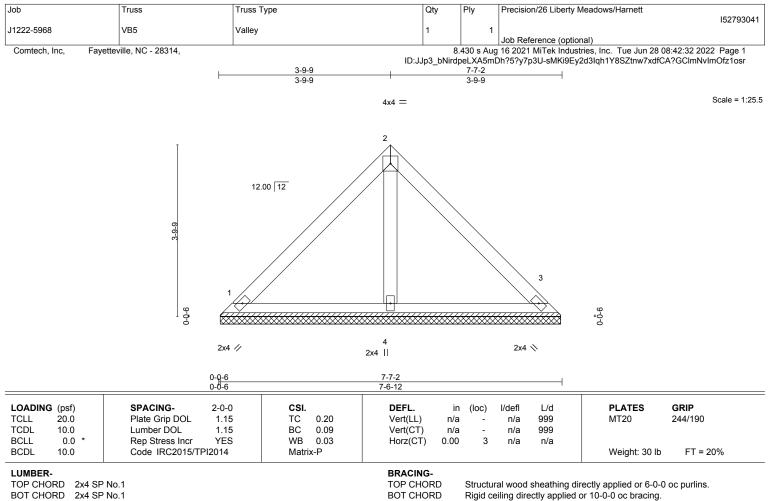






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A MiTek / 818 Soundside Road Edenton, NC 27932



2x4 SP No.1 BOT CHORD 2x4 SP No.2 OTHERS

> (size) 1=7-6-6, 3=7-6-6, 4=7-6-6 Max Horz 1=-83(LC 8) Max Uplift 1=-30(LC 13), 3=-30(LC 13) Max Grav 1=168(LC 1), 3=168(LC 1), 4=216(LC 1)

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

NOTES-

REACTIONS.

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

2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) 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) Gable requires continuous bottom chord bearing.

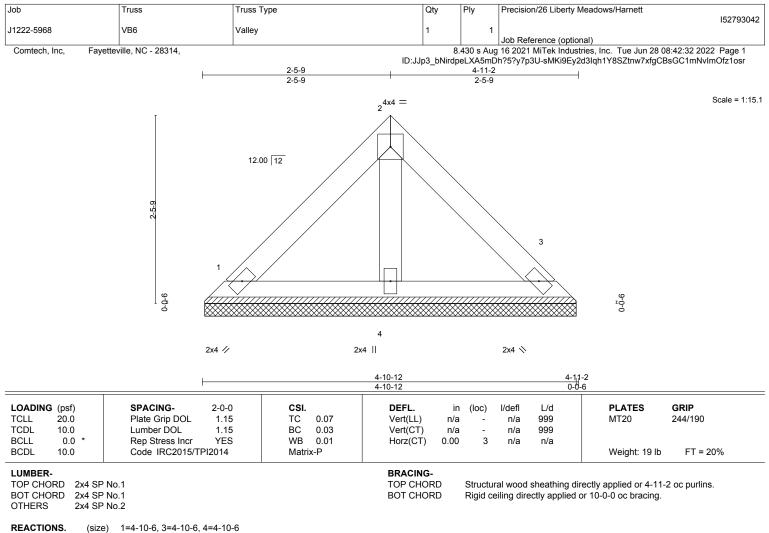
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 30 lb uplift at joint 1 and 30 lb uplift at ioint 3.







(size) 1=4-10-6, 3=4-10-6, 4=4-10-6 Max Horz 1=-51(LC 8) Max Uplift 1=-18(LC 13), 3=-18(LC 13)

Max Grav 1=103(LC 1), 3=103(LC 1), 4=132(LC 1)

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 Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) 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) Gable requires continuous bottom chord bearing.

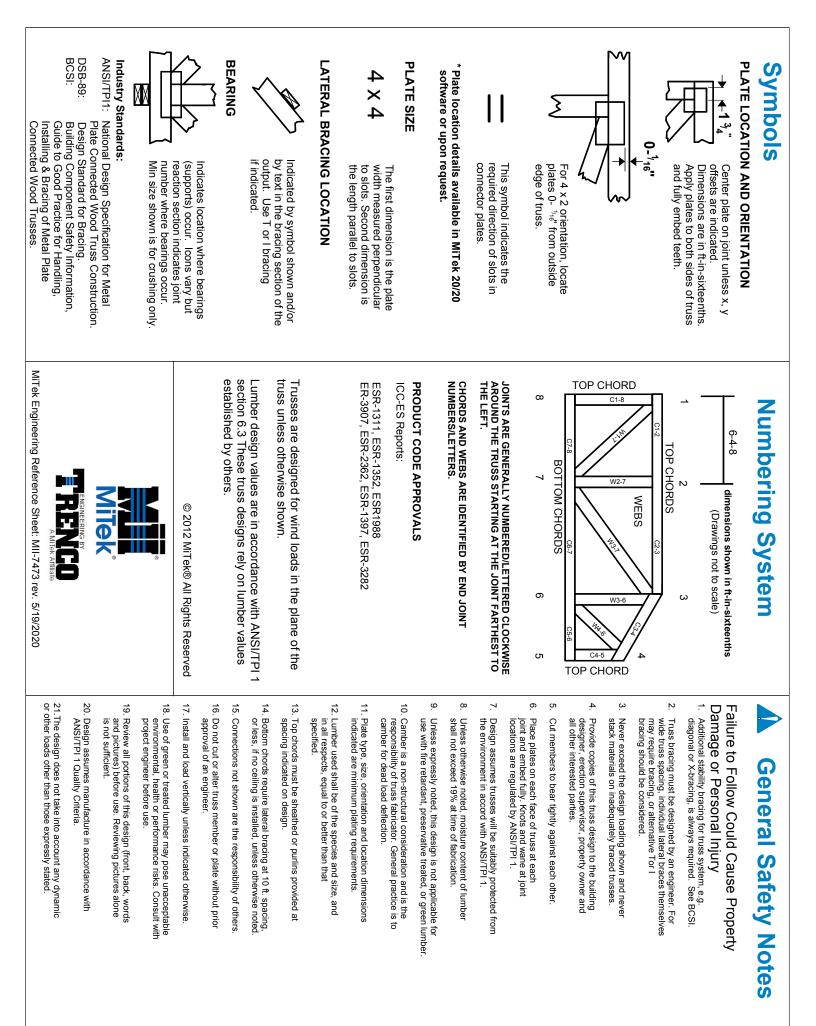
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 1 and 18 lb uplift at joint 3.









RE: J1222-5969 Precision/26 Liberty Meadows/Harnett **Trenco** 818 Soundside Rd Edenton, NC 27932

Site Information:

Customer: Project Name: J1222-5969 Lot/Block: Address: City:

Model: Subdivision: State:

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

Design Code: IRC2015/TPI2014 Wind Code: N/A Roof Load: N/A psf

Design Program: MiTek 20/20 8.4 Wind Speed: N/A mph Floor Load: 55.0 psf

This package includes 12 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date
1	152793650	ET1	6/28/2022
2	152793651	ET2	6/28/2022
3	152793652	ET3	6/28/2022
4	152793653	F1	6/28/2022
5	152793654	F2	6/28/2022
6	152793655	F3	6/28/2022
7	152793656	F4	6/28/2022
8	152793657	F5	6/28/2022
9	152793658	F6	6/28/2022
10	152793659	F7	6/28/2022
11	152793660	F8	6/28/2022
12	152793661	F9-GR	6/28/2022

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, 2023

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	Precision/26 Liberty N	leadows/Harnett	
J1222-5969	ET1	GABLE	1	1			152793650
Comtech, Inc, Fa 0-1-8	yetteville, NC - 28314,					al) ries, Inc. Tue Jun 28 09 b8gy8NHwhSTq10fMBI	
1 2 3 30 1 30 1 30 1 30 1 30 1 30 1 2 30 1 30 1		6 7 8 9 6 7 8 9 6 7 8 9 6 7 8 9 7 8 9 7 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9	10 0 27 11 2x6 11	11 0 26 2x6	12 13	3x6 FP = 14 15 16 0	$17 18$ 39 1° $20 19$ 39
0-6-4, 1-10-4 0-6-4 1-4-0 Plate Offsets (X,Y) LOADING (psf)	2x6 2x6 2x6 2x6 3-2-4 4-6-4 5-10-4 1-4-0 1-4-0 1-4-0 [20:Edge,0-3-0], [37:Edge,0-3-4 SPACING- 2-0-	0 CSI .	<u>11-2-4</u> <u>12-6-4</u> 1-4-0 1-4-0 DEFL. ii	1-4	l/defl L/d	6-6-4 + 17-10-4 -4-0 + 1-4-0 PLATES	19-2-4 19-8-8 1-4-0 0-6-4 GRIP
TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	Plate Grip DOL 1.0 Lumber DOL 1.0 Rep Stress Incr N Code IRC2015/TPI2014	0 BC 0.03 O WB 0.03	Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00	a -	n/a 999 n/a 999 n/a n/a	MT20 Weight: 109 lb	244/190 FT = 20%F, 11%E
			BRACING- TOP CHORD BOT CHORD	except e	al wood sheathing dir end verticals. illing directly applied o	ectly applied or 10-0-0 or 6-0-0 oc bracing.) oc purlins,
(lb) - Max	bearings 19-8-8. Uplift All uplift 100 lb or less at j Grav All reactions 250 lb or les 19	oint(s) 37 s at joint(s) 28, 29, 30, 31, 32, 34, 35, 36	6, 27, 26, 25, 24, 2	2, 21, 20,			
FORCES. (Ib) - Max	. Comp./Max. Ten All forces 2	50 (lb) or less except when shown.					
 Plates checked for Gable requires con Truss to be fully sh Gable studs space Provide mechanica This truss is design referenced standar Recommend 2x6 s 	d at 1-4-0 oc. al connection (by others) of truss ned in accordance with the 2015 d ANSI/TPI 1. trongbacks, on edge, spaced at	n about its center. v braced against lateral movement (i.e. o to bearing plate capable of withstanding international Residential Code sections 10-0-0 oc and fastened to each truss w	g 100 lb uplift at joi R502.11.1 and R8	302.10.2 a			
Strongbacks to be	allached to wails at their outer ei	nds 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: 19-37=-10, 1-18=-100

Concentrated Loads (lb)

Vert: 30=-74 34=-74 27=-74 24=-74 19=-78 40=-74 41=-74 42=-74 43=-74 44=-74





Job	Truss	Truss Type	Qty	Ply	Precision/26 Liberty Meadows/Harnett	152793651
J1222-5969	ET2	GABLE	1	1		152793651
Comtech, Inc, Fayette	/ ville, NC - 28314,				Job Reference (optional) g 16 2021 MiTek Industries, Inc. Tue Jun 28 (
			ID:JJp3_bNirdpe	LXA5mDh?	5?y7p3U-fQaOUHKBevGXaIxTTOziNEZrFaZ	
0-1-1-8						0- <mark>1</mark> -8
						Scale = 1:28.2
					3x6 FP ==	
1 2	3 4	5 6 7	8	9	10 11 12 13	14 15
	•		<u> </u>	•		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1-2-6						
30 29	28 27 26	25 24 23	××××××××××××××××××××××××××××××××××××××	21	20 19 18	17 16
30 23 3x4 =	3x6 FP =	20 27 20	5 22	21	20 13 10	3x4 =
1-4-0 2-8 1-4-0 1-4			9-4-0 <u>10-8-0</u> 1-4-0 <u>1-4-0</u>		2-0-0 13-4-0 14-8-0 16- -4-0 1-4-0 1-4-0 1-4	
LOADING (psf) TCLL 40.0	SPACING- 2-0-0 Plate Grip DOL 1.00		DEFL. Vert(LL) n.	in (loc) ′a -	I/defl L/d PLATES n/a 999 MT20	GRIP 244/190
TCDL 10.0	Lumber DOL 1.0	D BC 0.01	Vert(CT) n		n/a 999	
BCLL 0.0 BCDL 5.0	Rep Stress Incr YES Code IRC2015/TPI2014		Horz(CT) 0.0	0 16	n/a n/a Weight: 71 lb	FT = 20%F, 11%E
LUMBER-			BRACING-			
TOP CHORD 2x4 SP No			TOP CHORD		ral wood sheathing directly applied or 6-0-0) oc purlins,
BOT CHORD 2x4 SP No WEBS 2x4 SP No			BOT CHORD		end verticals. eiling directly applied or 10-0-0 oc bracing.	
OTHERS 2x4 SP No						
REACTIONS. All bearin	ngs 17-0-0.					
(lb) - Max Grav	All reactions 250 lb or less	at joint(s) 30, 16, 29, 28, 26, 25, 2	24, 23, 22, 21, 20, 19,	18, 17		

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

NOTES-

- 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) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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.





Job	Truss	Truss Type	Qty	Ply	Precision/26 Liberty N	leadows/Harnett	152793652
J1222-5969	ET3	GABLE	1	1	Job Reference (option		152793052
Comtech, Inc, Fayette	ville, NC - 28314,			8.430 s Aug	g 16 2021 MiTek Indust	ries, Inc. Tue Jun 28 09: OCSWf16VxwS50?_vE?	16:48 2022 Page 1
0- <mark>1-</mark> 8							0-1-8
							Scale = 1:25.8
1 2	3 4	5 6	7 8		9 10	11	12 13
							28 0-24
26 25	24 23	22 21	20 19		18 17	16	15 14
3x4 =							3x4 =
1-4-0	2-8-0 4-0-0	5-4-0 6-8-0 8-0-0	9-4-0	10-8-0	12-0-0	13-4-0 14-8-0	15-7-0
	1-4-0	<u>1-4-0</u> <u>1-4-0</u> <u>1-4-0</u>	1-4-0	1-4-0	1-4-0	<u>1-4-0</u> <u>1-4-0</u>	0-11-0
LOADING (psf)	SPACING- 2-0-0			in (loc)	l/defl L/d		GRIP
TCLL 40.0 TCDL 10.0	Plate Grip DOL 1.00 Lumber DOL 1.00	BC 0.01	Vert(CT) n	'a - 'a -	n/a 999 n/a 999	MT20 2	244/190
BCLL 0.0 BCDL 5.0	Rep Stress Incr YES Code IRC2015/TPI2014	WB 0.03 Matrix-R	Horz(CT) 0.0	0 14	n/a n/a	Weight: 66 lb	FT = 20%F, 11%E
LUMBER-			BRACING-				, /
TOP CHORD 2x4 SP No			TOP CHORD			rectly applied or 6-0-0 or	c purlins,
BOT CHORD 2x4 SP No WEBS 2x4 SP No	p.3(flat)		BOT CHORD		end verticals. eiling directly applied o	or 10-0-0 oc bracing.	
OTHERS 2x4 SP No	o.3(flat)						
WEBS 2x4 SP No OTHERS 2x4 SP No	p.3(flat)		BOT CHORD			or 10-0-0 oc bracing.	

REACTIONS. All bearings 15-7-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 26, 14, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15

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

NOTES-

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).

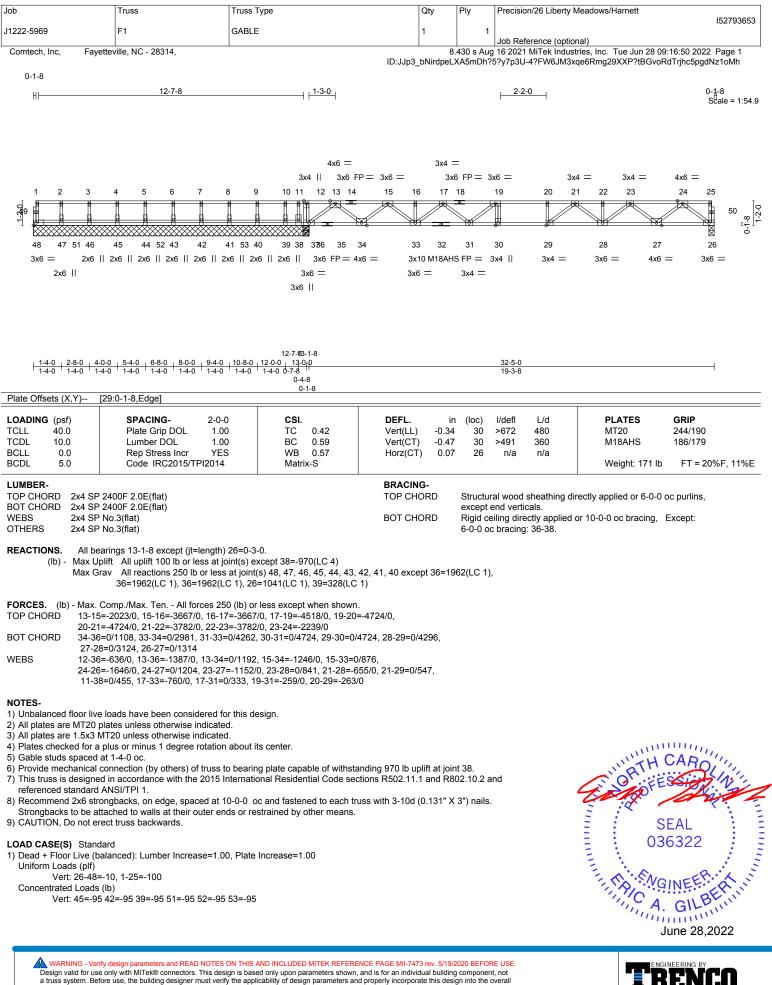
5) Gable studs spaced at 1-4-0 oc.

6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

7) 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.





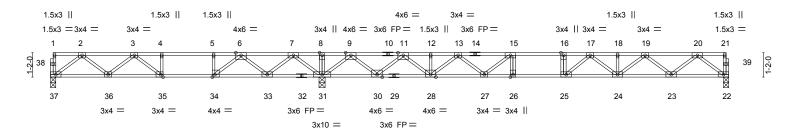


Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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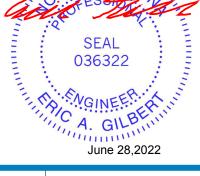
818 Soundside Road Edenton, NC 27932

152793654
Page 1
Sz1oMf
1.9
ale = 1:55.1
5z1



		12-11-12 12-11-12			-				32-5-0 19-5-4			
Plate Offsets	ts (X,Y) [3	34:0-1-8,Edge], [35:0-1-8	3,Edge]									
TCDL 1	(psf) 40.0 10.0 0.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.00 YES	CSI. TC BC WB	0.74 0.73 0.69	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.28 -0.38 0.05	(loc) 25 25 22	l/defl >824 >604 n/a	L/d 480 360 n/a	PLATES MT20	GRIP 244/190
BCDL	5.0	Code IRC2015/TF	912014	Matriz	x-S						Weight: 163 lb	FT = 20%F, 11%E
LUMBER- TOP CHORI BOT CHORI WEBS	1-10: 2x4 RD 2x4 SP I	No.1(flat) *Except* 4 SP 2400F 2.0E(flat) No.1(flat) *Except* x4 SP 2400F 2.0E(flat) No.3(flat)				BRACING TOP CHOP BOT CHOP	RD	except	end verti	cals.	ectly applied or 6-0-0 o	oc purlins,
REACTIONS	- ()	37=0-3-0, 31=0-3-8, 2 av 37=608(LC 3), 31=21		934(LC 4)								
FORCES. TOP CHORI BOT CHORI	2-3=-1 7-8=0/2 15-16 D 36-37= 30-31=	Comp./Max. Ten All for 162/48, 3-4=-1560/543, 2740, 8-9=0/2740, 9-11= =-3800/0, 16-17=-3800// -9/746, 35-36=-178/151 -1239/0, 28-30=-50/138 -0/3625, 23-24=0/2733,	4-5=-1560/543 =-325/363, 11-), 17-18=-3259 5, 34-35=-543 1, 27-28=0/29	3, 5-6=-1560 12=-2211/0, 9/0, 18-19=-3 /1560, 33-34	/543, 6-7=-4 12-13=-221 3259/0, 19-2 I=-1066/106	56/1438, 1/0, 13-15=-3332/(0=-1967/0 4, 31-33=-1777/0,),					
WEBS	2-37=- 6-34=0 11-28=	933/12, 2-36=-50/541, 3)/1132, 5-34=-523/0, 3-3 =0/1108, 13-28=-933/0, 7 =-997/0, 19-24=0/672, 1	-36=-459/170, 5=-484/57, 9-3 13-27=0/647, 1	81=-1884/0, 5-27=-867/0	9-30=0/1447), 20-22=-14	7, 11-30=-1420/0,	6,					
 All plates Plates choice This truss reference Recommendation 	are 3x6 MT2 necked for a p s is designed ed standard A nend 2x6 stro	loads have been consid 20 unless otherwise indi olus or minus 1 degree r I in accordance with the NNSI/TPI 1. ngbacks, on edge, spac oched to walls at their or	cated. otation about i 2015 Internatio ed at 10-0-0 o	ts center. Donal Resider c and fasten	ied to each t	russ with 3-10d (0.					URTH OR STE	CARO,

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





Job	Truss	Trus	s Type		Qty	Ply	Precision	n/26 Liberty Mea	dows/Harnett		
J1222-5969	F3	Floo	r		1		1				152793655
1222-0000		1100	1		1'			erence (optional)			
Comtech, Inc, Faye	etteville, NC - 28314,					8.430 s Au				n 28 09:16:5	3 2022 Page 1
				10	D:JJp3_b	NirdpeLXA5r	nDh?5?y7p	3U-UaxfkLPyDl)hIDPdqf46dV	ogP?S1g9n	7J32KEiz1oMe
0-1-8											
HI-1-3-0	2-1-4						2-2	-0 1-1-12			0-1-8 Scale = 1:55.
											Scale = 1.55.
				3x4 =							
1.5x3			6x12	M18AHS =		3x6 FP=			1.5-0.11		4.5-2.11
				3x6 FP=					1.5x3		1.5x3
1.5x3 = 3x4 =	3x4 =	4x6 =				3x4 =		3x4 3x4			$x_6 = 1.5x_3 =$
1 2	3 4 5	678	9 10	11 12 13 14	15	16 17 18	19	20 21	22 23		24 25
											43
	r <u>Þð</u> g				- भिष्ठन			161		<u>181</u>	<u> </u>
41 4) 39	38	37 36 35	34	33	32 31	30	29	28	27	26
3x-	+ =	4x6 =	4x6 = 3x6 FP =	6x12 M18AHS =		3x4 =	= 3x4			4x6 =	
			4x12 =		3x10 M	18AHS FP =					

1	<u>12-11-12</u> 12-11-12				32-5-0 19-5-4		
OADING (psf) CLL 40.0 CDL 10.0 CCL 0.0 CCL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2015/TPI2014	CSI. TC 0.85 BC 0.67 WB 0.75 Matrix-S	DEFL. in Vert(LL) -0.32 Vert(CT) -0.43 Horz(CT) 0.04	30 >7 30 >5	defi L/d 18 480 337 360 n/a n/a	PLATES MT20 M18AHS Weight: 175 lb	GRIP 244/190 186/179 FT = 20%F, 11%E
			BRACING- TOP CHORD BOT CHORD	except end	verticals.	rectly applied or 6-0-0 or 6-0-0 or 6-0-0 or 6-0-0 oc bracing.	oc purlins,
Max U	e) 41=0-3-0, 35=0-3-8, 26=0-3-0 plift 41=-127(LC 4) irav 41=473(LC 3), 35=3044(LC 1), 2	6=1014(LC 4)					
OP CHORD 2-3= 10-1	Comp./Max. Ten All forces 250 (lb) -834/380, 3-5=-750/1451, 5-6=-750/14 1=0/4340, 11-14=-587/0, 14-15=-336	424, 6-8=-780/1424, 8-9=0/2 1/0, 15-17=-3361/0, 17-19=	2767, 9-10=0/4340, 4214/0,				
OT CHORD 40-4 34-3)=-4491/0, 20-21=-4491/0, 21-22=-36 1=-197/565, 39-40=-648/1034, 38-39= 5=-1864/0, 33-34=0/2709, 31-33=0/38	1424/750, 37-38=-2245/0, 005, 30-31=0/4491, 29-30=0	, 35-37=-3259/0,				
VEBS 2-41: 8-37: 14-3- 20-29	9=0/4127, 27-28=0/3025, 26-27=0/12 =-705/249, 2-40=-238/350, 3-40=-260 =-1207/0, 8-38=0/1565, 6-38=-794/0, 4=-2722/0, 14-33=0/878, 17-33=-736/ 9=-327/0, 24-26=-1601/0, 24-27=0/11 3=-608/0, 21-29=0/742	/348, 9-35=-1626/0, 9-37=0 3-39=-1009/0, 11-35=-3106 0, 17-31=0/486, 19-31=-570	6/0, 11-34=0/2639, 6/52, 5-39=0/516,				
 All plates are MT20 All plates are 3x6 M Plates checked for a Provide mechanical This truss is designer referenced standard Recommend 2x6 standards Strongbacks to be a CAUTION, Do not e 	e loads have been considered for this plates unless otherwise indicated. T20 unless otherwise indicated. a plus or minus 1 degree rotation abou connection (by others) of truss to bea d in accordance with the 2015 Interna ANSI/TPI 1. rongbacks, on edge, spaced at 10-0-0 ttached to walls at their outer ends or rect truss backwards. connection device(s) shall be provided selection of such connection device(s)	It its center. Iring plate capable of withst ational Residential Code se oc and fastened to each to restrained by other means. sufficient to support conce is the responsibility of other	ctions R502.11.1 and R8(russ with 3-10d (0.131" X ntrated load(s) 930 lb dow ers.	02.10.2 and 3") nails.	4 on top		CAROLINEER
chord. The design/s	E(S) section, loads applied to the face	of the truss are noted as fro	ont (⊢) or back (B).			· · · ·	a

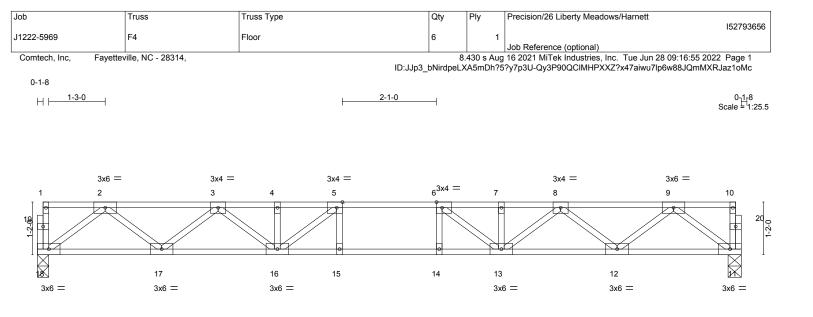
818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Precision/26 Liberty Meadows/Harnett
J1222-5969	F3	Floor	1		152793655
01222-0000	13		1		Job Reference (optional)
Comtech, Inc,	Fayetteville, NC - 28314,			8.430 s A	ug 16 2021 MiTek Industries, Inc. Tue Jun 28 09:16:54 2022 Page 2
	-		ID: Lin3 hNirdn	XA5mD	h252y7n3LLymV/1yhDa_20VwNL_nOMeL0iLr0DoCDc1CVintm8z1oMd

ID:JJp3_bNirdpeLXA5mDh?5?y7p3U-ymV1yhPa_29YwN_pOMcL9jLr9PoGPc1GXintm8z1oMd

LOAD CASE(S) Standard Uniform Loads (plf) Vert: 26-41=-10, 1-25=-100 Concentrated Loads (lb) Vert: 14=-850(B)





Vert(LL) -0.17 Vert(CT) -0.23 Horz(CT) 0.05 BRACING- TOP CHORD	Structural woo	480 360 n/a d sheathing direc	PLATES MT20 Weight: 79 lb	GRIP 244/190 FT = 20%F, 11%E
Vert(LL) -0.17 Vert(CT) -0.23 Horz(CT) 0.05 BRACING- TOP CHORD	7 14-15 >999 3 14-15 >799 5 11 n/a Structural woo	480 360 n/a d sheathing direc	MT20 Weight: 79 lb	244/190
TOP CHORD				
BOICHORD			, ,,	oc purlins,
70/0.				
, 12-13=0/2371, 0/886,				
	, 12-13=0/2371,)/886, 8 R502.11.1 and R8	BOT CHORD Rigid ceiling d 770/0, , 12-13=0/2371,	70/0, , 12-13=0/2371,)/886, \$ R502.11.1 and R802.10.2 and	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 770/0, , 12-13=0/2371, 3/886, 8 R502.11.1 and R802.10.2 and





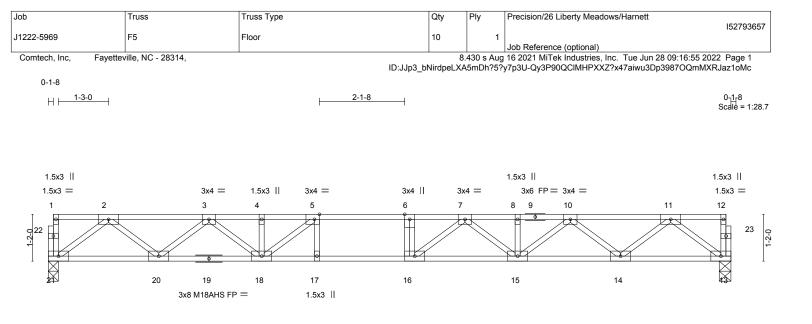


Plate Offsets (X	Y) [5:0-1-8,Edge]			17-0-0					
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	Plate Grip DOL Lumber DOL Rep Stress Incr	1.00 T 1.00 E YES V	C 0.70 C 0.95 C 0.48 Matrix-S	Vert(LL) -0.2	n (loc) 7 15-16 7 15-16 6 13	l/defl >748 >543 n/a	L/d 480 360 n/a	PLATES MT20 M18AHS Weight: 87 lb	GRIP 244/190 186/179 FT = 20%F, 11%E
	2x4 SP No.1(flat) 2x4 SP No.1(flat)			BRACING- TOP CHORD	except e	end verti	cals.	ectly applied or 6-0-0	
	2x4 SP No.3(flat)			BOT CHORD			ectly applied o p: 16-17,15-16	or 10-0-0 oc bracing, S.	Except:
REACTIONS.	(size) 21=0-3-0, 13=0-3-8 Max Grav 21=915(LC 1), 13=91 - Max. Comp./Max. Ten All ford	ces 250 (lb) or less ex							Except:
REACTIONS.	(size) 21=0-3-0, 13=0-3-8 Max Grav 21=915(LC 1), 13=91	ces 250 (lb) or less ex							Except:
REACTIONS.	(size) 21=0-3-0, 13=0-3-8 Max Grav 21=915(LC 1), 13=91 - Max. Comp./Max. Ten All for 2-3=-1923/0, 3-4=-3138/0, 4-5=	ces 250 (lb) or less ex 3138/0, 5-6=-3635/0	, 6-7=-3635/0, 7-8	3=-3168/0,					Except:

3) All plates are 3x6 MT20 unless otherwise indicated.

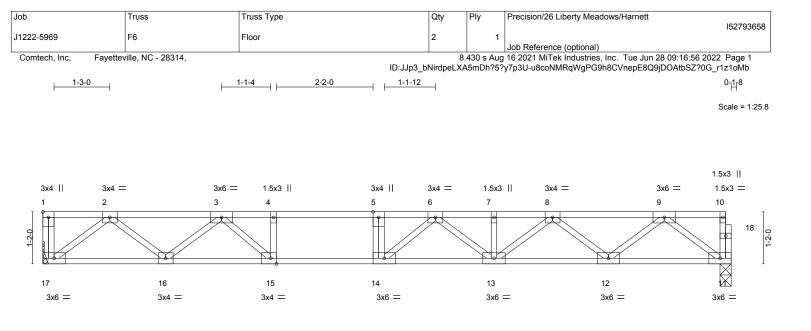
4) Plates checked for a plus or minus 1 degree rotation about its center.

5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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.







L			15-5-0					
			15-5-0					
Plate Offsets (X,Y)	[1:Edge,0-1-8], [15:0-1-8,Edge]							
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 DCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	CSI. TC 0.97 BC 0.97 WB 0.43	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.26 13-14 -0.36 13-14 0.05 11	l/defl >691 >509 n/a	L/d 480 360 n/a	PLATES MT20	GRIP 244/190
BCDL 5.0	Code IRC2015/TPI2014	Matrix-S					Weight: 79 lb	FT = 20%F, 11%E
BOT CHORD 2x4 S WEBS 2x4 S REACTIONS. (si	SP No.1(flat) SP No.1(flat) SP No.3(flat) ze) 17=Mechanical, 11=0-3-0 Grav 17=834(LC 1), 11=828(LC 1)		BRACING TOP CHOP BOT CHOP	RD Structu			rectly applied, except or 2-2-0 oc bracing.	t end verticals.
TOP CHORD 2-3: 8-9: 8-9: BOT CHORD 16-' WEBS 9-1'	 c. Comp./Max. Ten All forces 250 (lb) or =-1678/0, 3-4=-2890/0, 4-5=-2890/0, 5-6= =-1698/0 17=0/1032, 15-16=0/2343, 14-15=0/2890 1=-1290/0, 9-12=0/869, 8-12=-842/0, 8-13 5=-437/0, 2-17=-1295/0, 2-16=0/841, 3-16 	-2890/0, 6-7=-2743/0, 7-8 , 13-14=0/2965, 12-13=0/2 3=0/508, 6-13=-295/0, 6-14	=-2743/0, 2345, 11-12=0/10	30				

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

4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

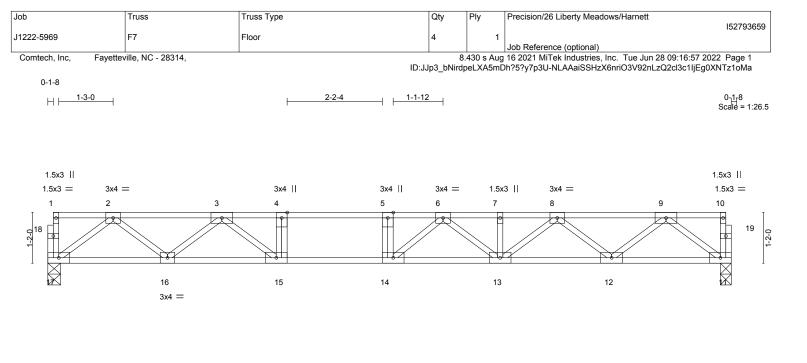
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

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

6) CAUTION, Do not erect truss backwards.







			15-8-8 15-8-8			
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 0.61 BC 0.92 WB 0.46 Matrix-S	Vert(LL) -0.2	n (loc) l/defl L/d 5 13-14 >742 480 4 13-14 >548 360 5 11 n/a n/a	PLATES MT20 Weight: 81 lb	GRIP 244/190 FT = 20%F. 11%E
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP	2 2400F 2.0E(flat)	Waux-3	BRACING- TOP CHORD	Structural wood sheathing dire except end verticals.		

LUMBER-		BRACING-	
TOP CHORD	2x4 SP 2400F 2.0E(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins
BOT CHORD	2x4 SP No.1(flat)		except end verticals.
WEBS	2x4 SP No.3(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
			2-2-0 oc bracing: 13-14.

(size) 17=0-3-8, 11=0-3-0 Max Grav 17=844(LC 1), 11=844(LC 1)

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

 TOP CHORD
 2-3=-1719/0, 3-4=-3017/0, 4-5=-3017/0, 5-6=-3017/0, 6-7=-2821/0, 7-8=-2821/0, 8-9=-1738/0

- BOT CHORD
- 16-17=0/1054, 15-16=0/2391, 14-15=0/3017, 13-14=0/3067, 12-13=0/2402, 11-12=0/1051 9-11=-1316/0, 9-12=0/894, 8-12=-865/0, 8-13=0/535, 6-13=-313/0, 6-14=-289/360, 4-15=-434/0, 2-17=-1320/0, WEBS
- 2-16=0/866, 3-16=-874/0, 3-15=0/956

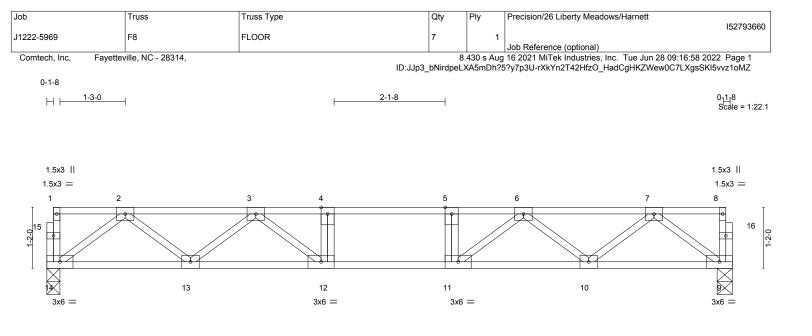
NOTES-

REACTIONS.

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x6 MT20 unless otherwise indicated.
- 3) Plates checked for a plus or minus 1 degree rotation about its center.
- 4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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. Strongbacks to be attached to walls at their outer ends or restrained by other means.







13-1-8 13-1-8							
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 0.41 BC 0.49 WB 0.32 Matrix-S	Vert(LL) -0.11	n (loc) l/defl 1 12-13 >999 4 12-13 >999 3 9 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 68 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER-TOP CHORD2x4 SP No.1(flat)BOT CHORD2x4 SP No.1(flat)WEBS2x4 SP No.3(flat)			BRACING- TOP CHORD BOT CHORD	except end vert	icals.	irectly applied or 6-0-0 or 10-0-0 oc bracing.) oc purlins,

REACTIONS. (size) 14=0-3-0, 9=0-3-8 Max Grav 14=702(LC 1), 9=702(LC 1)

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

 TOP CHORD
 2-3=-1385/0, 3-4=-2140/0, 4-5=-2140/0, 5-6=-2140/0, 6-7=-1385/0

BOT CHORD

2-14=-10/869, 12-13=0/1865, 11-12=0/2140, 10-11=0/1865, 9-10=0/869 2-14=-1088/0, 2-13=0/671, 3-13=-626/0, 3-12=0/555, 4-12=-257/0, 5-11=-257/0, 7-9=-1088/0, 7-10=0/671, WEBS 6-10=-626/0, 6-11=0/555

NOTES-

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

2) All plates are 3x4 MT20 unless otherwise indicated.

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

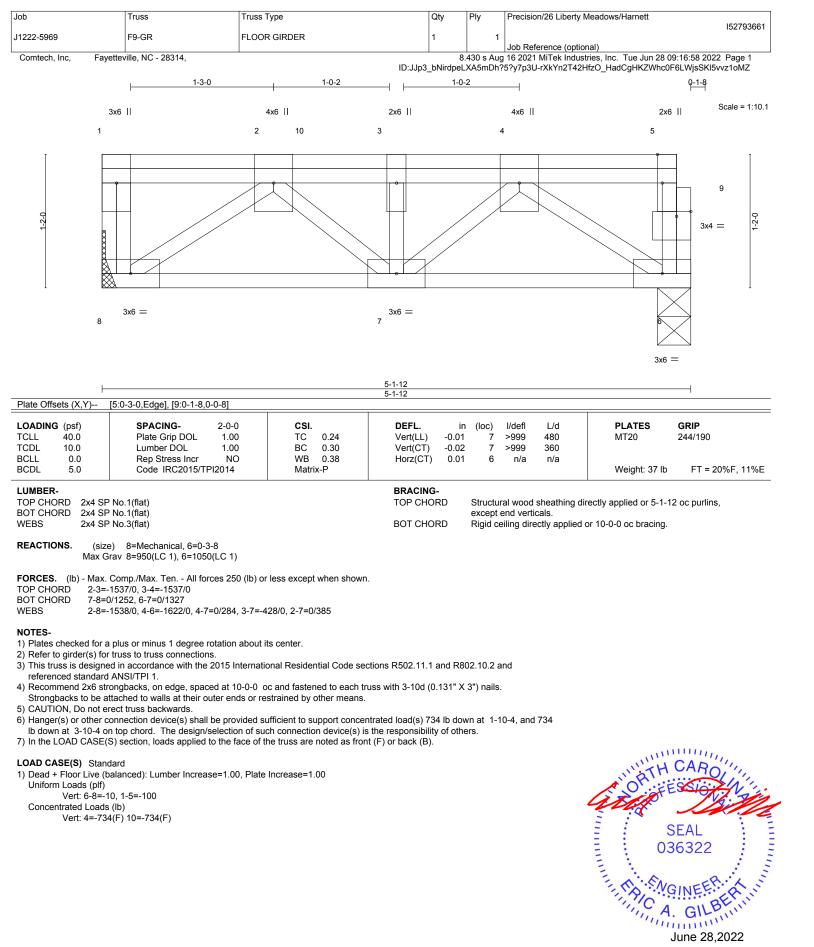
4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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



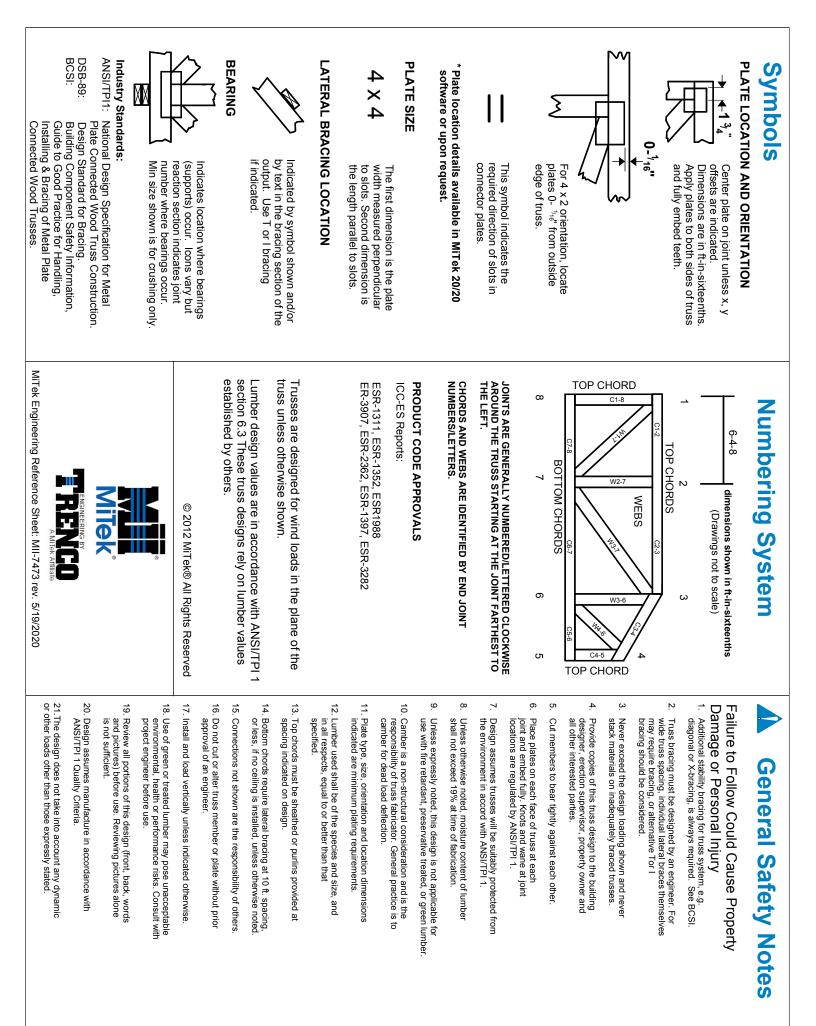
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

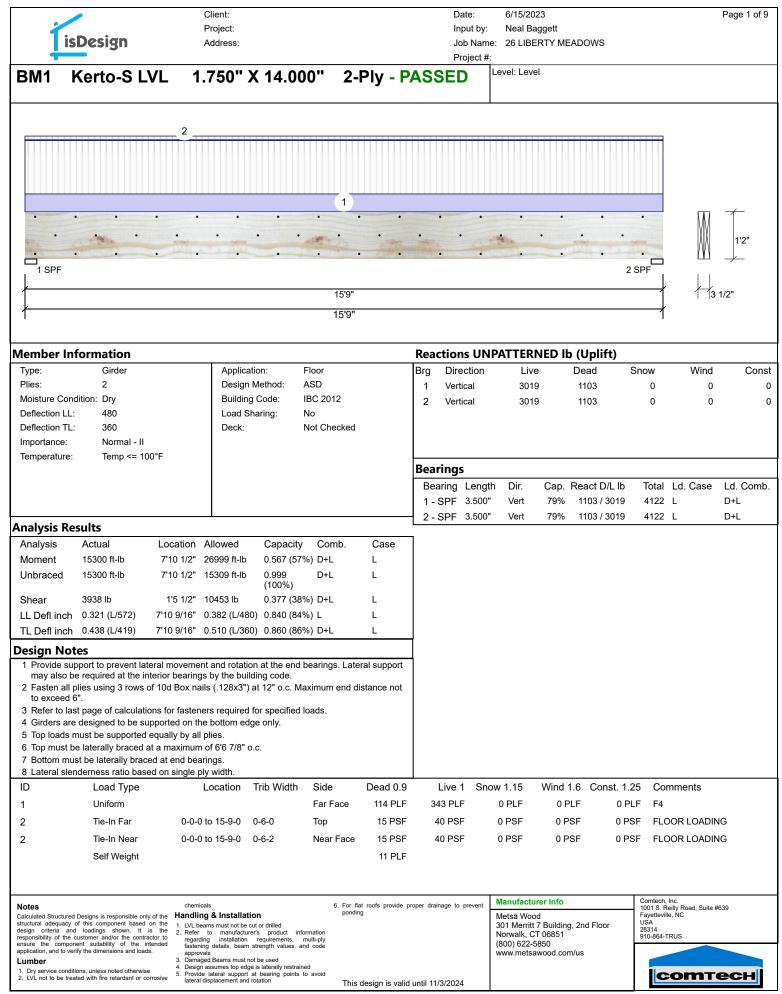




WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall a uses system. Decide use, under use using use signer mast vering the approximation to design into the overfall 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 Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

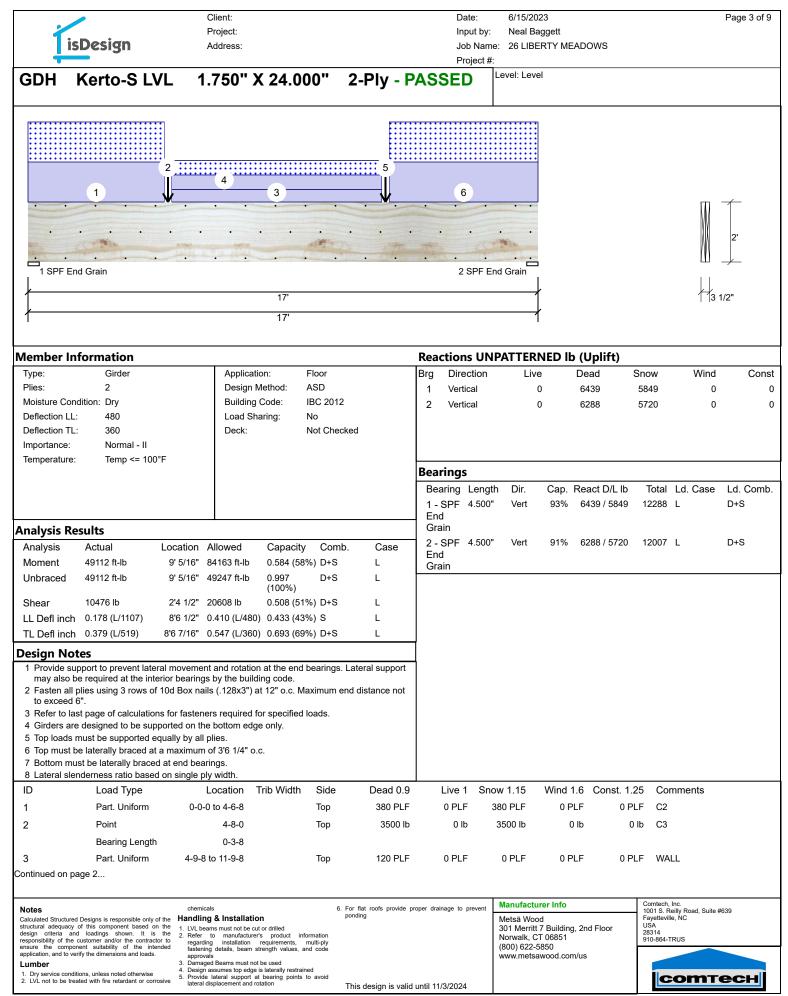






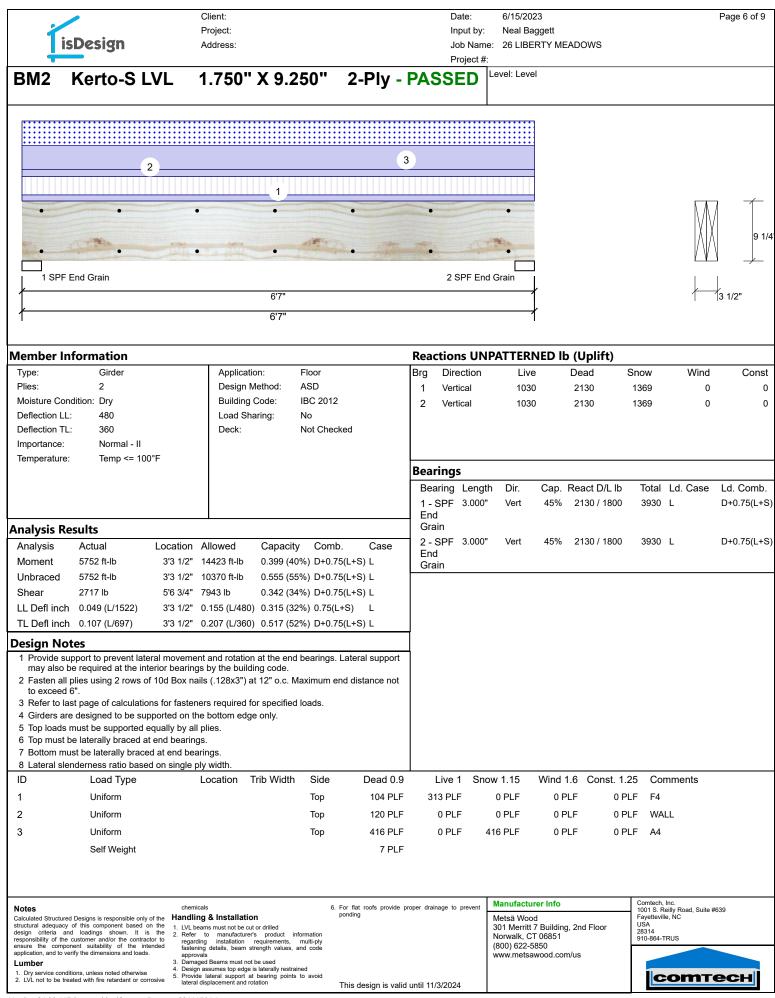
Project: Input by: Neal Baggett Job Name: 26 LIBERTY MEADOWS Project #: Input by: Neal Baggett BM1 Kerto-S LVL 1.750" X 14.000" 2-Ply - PASSED Level: Level: Level: 	3
BM1 Kerto-S LVL 1.750" X 14.000" 2-Ply - PASSED	3
BM1 Kerto-S LVL 1.750" X 14.000" 2-Ply - PASSED	
BWI KERO-S LVL 1.750 X 14.000 2-PTy - PASSED	
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	· · · · · · · · · · · · · · · · · · ·
15'9"	13 1/2"
15'9"	
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 93.1 % Load 228.5 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"	

Notes	chemicals	6. For flat roofs provide proper drainage to prevent	Manufacturer Info	Comtech, Inc. 1001 S. Reilly Road, Suite #639
Calculated Structured Designs is responsible only of the structural adequacy of this component based on the	Handling & Installation 1. LVL beams must not be cut or drilled 2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals 3. Damaged Beams must not be used 4. Design assumes top edge is laterally restrained 5. Provide lateral support at bearing points to avoid lateral displacement and rotation		Metsä Wood 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 (800) 622-5850 www.metsawood.com/us	Fayetteville, NC USA 28314 910-864-TRUS



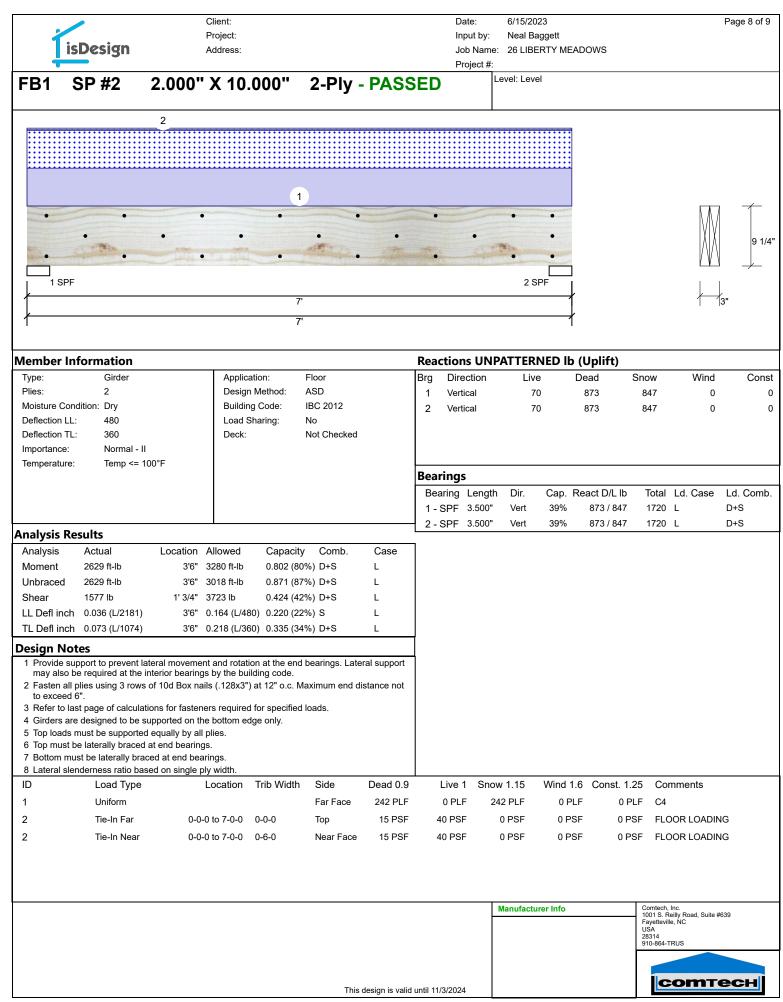


Pro	ent: oject: dress:	Date: Input by Job Nan Project /	ne: 26 LIBERTY MEADOWS	Page 5 of 9
GDH Kerto-S LVL 1.7	750" X 24.000" 2-		Level: Level	
· · · · · · · ·	· · · · ·	· · · · · ·	 	2'
1 SPF End Grain	<u> </u>	· · · · · · · · · · · · · · · · · · ·	End Grain	
	17'			3 1/2"
1	17'		1	
Aulti-Ply Analysis				
asten all plies using 3 rows of 10d Box	(nails (.128x3") at 12" o.c l	Maximum end distance r	not to exceed 6".	
apacity 0.0 % oad 0.0 PLF				
ield Limit per Foot245.6 PLField Limit per Fastener81.9 lb.				
ield Mode IV dge Distance 1 1/2"				
lin. End Distance 3"				
oad Combination uration Factor 1.00				
structural adequacy of this component based on the design criteria and loadings shown. It is the ensure the component suitability of the contractor be application, and to verify the dimensions and loads. Lumber 4. Design assue	Installation pondit must not be cut or drilled manufacturer's product information installation requirements, multi-ply tails, beam strength values, and code eams must not be used must not be used inse top edge is laterally restrained	at roofs provide proper drainage to prevent	Manufacturer Info Metsä Wood 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 (800) 622-5850 www.metsawood.com/us	Comtech, Inc. 1001 S. Reilly Road, Suite #639 Fayetteville, NC USA 28314 910-864-TRUS
Dry service conditions, unless noted otherwise LVL not to be treated with fire retardant or corrosive Servide late lateral displayments	eral support at bearing points to avoid			сотесн



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-	Client: Project:	Date: Input by:	6/15/2023	Page 7 of 9
isDesign	Address:	Job Nam	e: 26 LIBERTY MEADOWS	
BM2 Kerto-S LVL	. 1.750" X 9.250"	Project #	: Level: Level	
	. 1.750 X 5.250	2-I IY - I AOOLD		
	• •			
				9 1/4
•••	• •	• •	• – – – – –	
1 SPF End Grain		2 SPF En	d Grain	
	6'7"			3 1/2"
1	6'7"		1	
Multi-Ply Analysis				
Fasten all plies using 2 rows of		o.c Maximum end distance r	ot to exceed 6".	
	PLF			
Yield Limit per Fastener 81.	3.7 PLF 9 lb.			
Yield Mode IV Edge Distance 1 1	/2"			
Min. End Distance 3"				
Load Combination Duration Factor 1.0	0			
			Manufacturer lefe	Comtech Inc
Notes Calculated Structured Designs is responsible only of the structural adequacy of this component based on the		6. For flat roofs provide proper drainage to prevent ponding	Manufacturer Info Metsä Wood	Comtech, Inc. 1001 S. Reilly Road, Suite #639 Fayetteville, NC USA
design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended	 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 		301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 (800) 622-5850	28314 910-864-TRUS
application, and to verify the dimensions and loads.	astening details, beam strength values, and code approvals 3. Damaged Beams must not be used 4. Design assumes top edge is laterally restrained		www.metsawood.com/us	
 Dry service conditions, unless noted otherwise LVL not to be treated with fire retardant or corrosive 	 Provide lateral support at bearing points to avoid lateral displacement and rotation 	This design is valid until 11/3/2024		соттесн



isDesign	Client Projec Addre	t:		Date: Input by: Job Name: Project #:	6/15/2023 Neal Baggett 26 LIBERTY MEADOWS	Page 9 of 9
FB1 SP #2	2.000" X	10.000" 2-Ply	/ - PASSED		evel: Level	
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• •	•	•	•••	•	• • •	9 1/
• •	•	•	• •		• • + + + + + + + + + + + + + + + + + +	
r 1		7' 7'				1 3"
Multi-Ply Analysis						
Capacity Load	69.2 % 242.0 PLF	ails (.128x3") at 12" o.c	Maximum end di	stance no	t to exceed 6".	
Yield Limit per Foot Yield Limit per Fastener Yield Mode	349.5 PLF 116.5 lb. IV					
Edge Distance Min. End Distance	1 1/2" 3"					
Load Combination Duration Factor	D+S 1.15					
	1.15					
				Г	Manufacturer Info	Comtech, Inc. 1001 S. Reilly Road, Suite #639
						Fayetteville, NC USA
						28314 910-864-TRUS
		т	his design is valid until 11/3	2024		соттесн