Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE 207 MILL BEND WA
21-4057-R01	PB01	GABLE	1	1	Job Reference (optional)
Atlantic Building	Components, Monc	ks Corner, South Carolina			MiTek Industries, Inc. Thu Jul 15 08:53:18 2021 Page 1
			ID:3tOeK4qXnL 4-0-0	TmNBax9U	YSrlyf11m-xWXnw_d2UPpilRJJnPqufhHTh?W97Uqoon4Rt7yxtv?
			4-0-0		
			4-0-0		
			4x4 =		Scale: 1.5"=1'
			3		
Ī			\land		
		8.00 12			
		8.00 12			
_		T1	ST1		<u>1</u> 4
1-4-0					
1-4-0	2				5
1-4-0	2				5
1-4-0	2		B1		5
1-4-0 -	/		B1		5

6

2x4 ||

2x4 =

2x4 =

4-0-0 4-0-0									
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0	SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25 Rep Stress Incr YES	CSI. TC 0.03 BC 0.03 WB 0.00	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) n/a - n/a - 0.00 5	l/defl L/d n/a 999 n/a 999 n/a n/a	PLATES MT20	GRIP 244/190		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-P				Weight: 12 lb	FT = 20%		

LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.3 OTHERS 2x4 SP No.3 BRACING-TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. MiTek recommends that Stabilizers and required cross bracing be installed during truce acceleration in proceedence with

during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 4-0-0. (lb) - Max Horz 1= -23(LC 10) Max Uplift All uplift 100 lb or less at joint(s) 1, 2, 4 Max Grav All reactions 250 lb or less at REAKCENCENSY

All reactions 250 lb or less at joint(s) 1, 5, 2, 4, 6

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

NOTES- (12-15) 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00: Ct=1.10

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 where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.

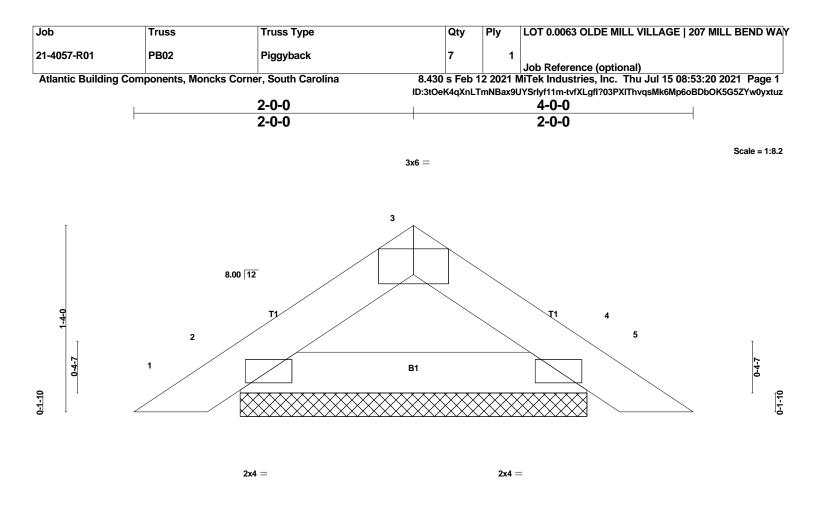
Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE 207 MILL BEND WAY
21-4057-R01	PB01	GABLE	1	1	
					Job Reference (optional)

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 08:53:19 2021 Page 2 ID:3tOeK4qXnLTmNBax9UYSrlyf11m-Pj598KegFjxYvbuVL6L7BupeRPsOsx4x1Rq_PZyxtv_

NOTES- (12-15)

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 2, 4.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

- 12) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 13) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 14) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
- 15) SEË BCSI-B3 SŬMMARY SHEET-PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.



I			4-0-0					1	
Г			4-0-0					1	
Plate Offsets (X,Y)	[3:0-3-0,Edge]								
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25 Rep Stress Incr YES Code IRC2018/TPI2014	CSI. TC 0.03 BC 0.12 WB 0.00 Matrix-P	DEFL. Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.00 0.00	(loc) 4 4 4	l/defl n/r n/r n/a	L/d 180 80 n/a	PLATES MT20 Weight: 11 lb	GRIP 244/190 FT = 20%
4-0-0 oc purlins. BOT CHORD Rigid ceiling direct bracing. MiTek recommen required cross br during truss erec Stabilizer Installa REACTIONS. (Ib/s 2 = 1	SP No.3 neathing directly applied or dy applied or 10-0-0 oc ds that Stabilizers and racing be installed tion, in accordance with tion guide.	Max Uplift 2 = 4 = Max Grav 2 = 4 = FORCES. (Ib) Max. Comp./Max. less except when NOTES- (11-14 1) Unbalanced ro considered for th 2) Wind: ASCE 7- (3-second gust) V BCDL=5.0psf; h= Enclosed; MWFR zone and C-C Ex members and for reactions shown grip DOL=1.60	-16(I 129(129(. Ten All forc n shown.) oof live loads h nis design. -16; Vult=120m Vasd=95mph; ⁻ -23ft; Cat. II; E: &S (envelope) <u>o</u> terior(2E) zone rces & MWFRS	ave be ph rCDL= p B; jable e c;C-C fo for	en 5.0psf; nd or	Lum (Lun Rou Cs=' 4) Th of m time non- 5) G bear 6) Th psf b with 7) * load area wide any 8) Pr othe	DOL=1.2 n DOL=1. gh Cat B; 1.00; Ct=1 nis truss I in roof liv s flat roof concurre able requ ring. nis truss I pottom ch This truss of 30.0ps s where a e will fit bo other mel rovide me ers) of trus	has been designe ve load of 12.0 psf f load of 20.0 psf ent with other live ires continuous b has been designe nord live load non r live loads. s has been design of on the bottom c a rectangle 3-6-0 t etween the bottom); Èf=20.0 psf 5); Is=1.0; e=1.0; d for greater or 2.00 on overhangs loads. oottom chord d for a 10.0 concurrent ed for a live shord in all all by 1-0-0 n chord and ion (by e capable of

grip DOL=1.60

Continued on page 2

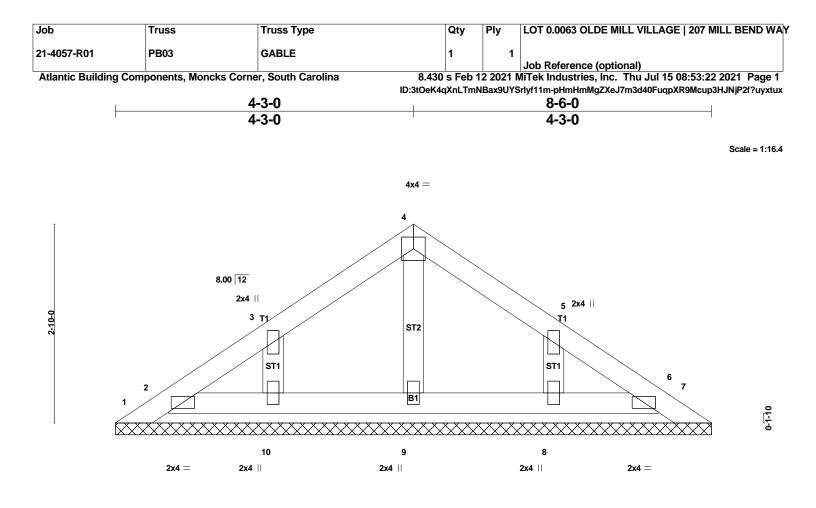
Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE 207 MILL BEND WAY
21-4057-R01	PB02	Piggyback	7	1	
					Job Reference (optional)

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 08:53:20 2021 Page 2 ID:3tOeK4qXnLTmNBax9UYSrlyf11m-tvfXLgfl?03PXIThvqsMk6Mp6oBDbOK5G5ZYw0yxtuz

NOTES- (11-14)

9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

- 11) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 13) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
- 14) SEE BCSI-B3 SUMMARY SHEET-PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.



8-6-0 8-6-0												
LOADING (ps TCLL 20 TCDL 10 BCLL 0).Ó	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.25 1.25 YES	CSI. TC BC WB	0.05 0.05 0.03	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 7	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190
BCDL 10	-	Code IRC2018/TI	-	Matri							Weight: 31 lb	FT = 20%

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.3 OTHERS 2x4 SP No.3 BRACING-TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. MiTek recommends that Stabilizers and required cross bracing be installed during trucs croation in accordance with

during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 8-6-0. (lb) - Max Horz 1= 52(LC 9) Max Uplift All uplift 100 lb or less at joint(s) 1, 2, 6, 10, 8 Max Grav All reactions 250 lb or less at

REAMOTING

All reactions 250 lb or less at joint(s) 1, 7, 2, 6, 9, 10, 8

FORCES. (lb)

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

NOTES- (12-15) 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00: Ct=1.10

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 where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE 207 MILL BEND WAY
21-4057-R01	PB03	GABLE	1	1	
					Job Reference (optional)

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 08:53:22 2021 Page 2 ID:3tOeK4qXnLTmNBax9UYSrlyf11m-pHmHmMgZXeJ7m3d40FuqpXR9Mcup3HJNjP2f?uyxtux

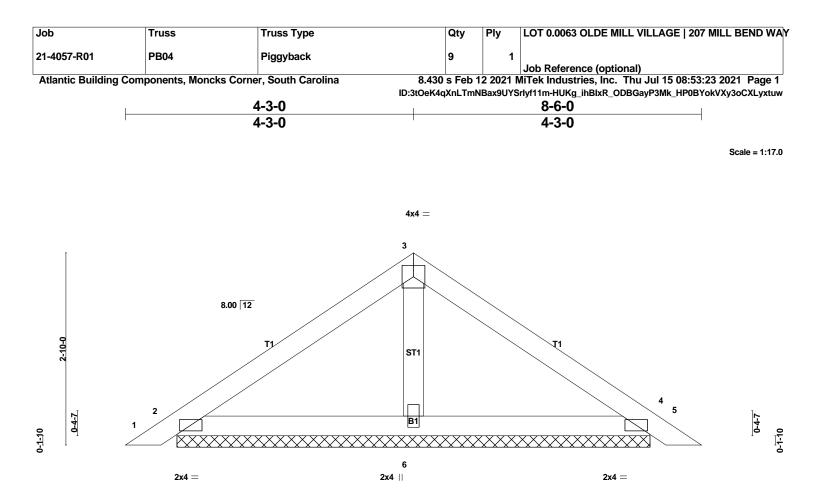
NOTES- (12-15)

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 2, 6, 10, 8.

10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

- 12) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 13) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 14) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
- 15) SEE BCSI-B3 SUMMARY SHEET-PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.



8-6-0 8-6-0									
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 *	SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25 Rep Stress Incr YES	CSI. TC 0.22 BC 0.21 WB 0.04	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) 0.01 5 0.01 5 0.00 4	n/r n/r	L/d 180 80 n/a	PLATES MT20	GRIP 244/190	
BCDL 10.0	Code IRC2018/TPI2014	Matrix-P					Weight: 29 lb	FT = 20%	

2x4 SP No.2	
2x4 SP No.3	
2x4 SP No.3	
od sheathing directly applied or	
ns.	
directly applied or 10-0-0 oc	
nmends that Stabilizers and	
	2x4 SP No.3 2x4 SP No.3 od sheathing directly applied or ns. directly applied or 10-0-0 oc

required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)

2 =	182/6-11-12 (min. 0-1-8)
4 =	182/6-11-12 (min. 0-1-8)
6 =	253/6-11-12 (min. 0-1-8)
Max Horz	
2 =	-52(LC 10)
Max Uplift	. ,
2 =	-34(LC 12)

Max Uplift 4 = -41(LC 13) Max Grav 2 = 182(LC 1) 4 = 182(LC 1) 6 = 253(LC 1)

FORCES. (Ib)

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

NOTES- (11-14)

 Unbalanced roof live loads have been considered for this design.
 Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) Gable requires continuous bottom chord bearing.

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 where a rectangle 3-6-0 tall by 1-0-0 wide will fit 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, 4.

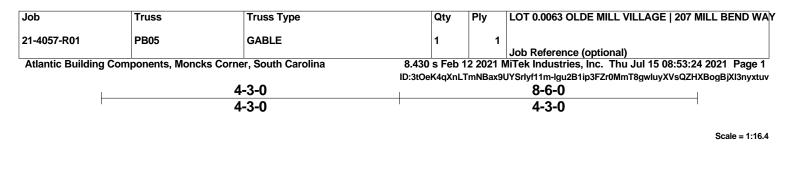
Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE 207 MILL BEND WAY
21-4057-R01	PB04	Piggyback	9	1	
					Job Reference (optional)

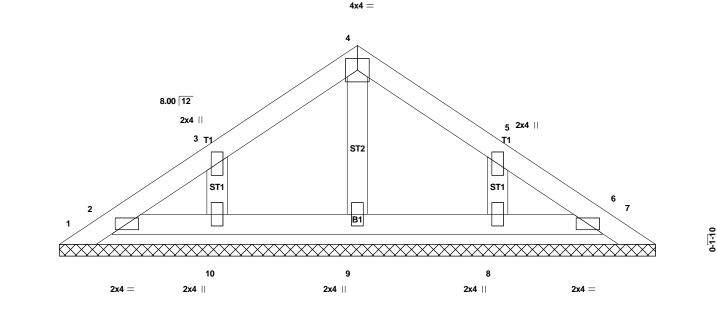
8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 08:53:23 2021 Page 2 ID:3tOeK4qXnLTmNBax9UYSrlyf11m-HUKg_ihBlxR_ODBGayP3Mk_HP0BYokVXy3oCXLyxtuw

NOTES- (11-14)

9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

- 11) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 13) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
- 14) SEE BCSI-B3 SUMMARY SHEET-PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.





8-6-0 8-6-0												
LOADING TCLL TCDL BCLL	6 (psf) 20.0 10.0 0.0 *	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.25 1.25 YES	CSI. TC BC WB	0.05 0.05 0.03	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 7	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0	Code IRC2018/TI	-	Matr				•			Weight: 31 lb	FT = 20%

2-10-0

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.3 OTHERS 2x4 SP No.3 BRACING-TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. MiTek recommends that Stabilizers and required cross bracing be installed during truco excession in provide with

during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 8-6-0. (lb) - Max Horz 1= 52(LC 9) Max Uplift All uplift 100 lb or less at joint(s) 1, 2, 6, 10, 8 Max Grav All reactions 250 lb or less at

REAMOTING V

All reactions 250 lb or less at joint(s) 1, 7, 2, 6, 9, 10, 8

FORCES. (lb)

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

NOTES- (12-15) 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

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 where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE 207 MILL BEND WAY
21-4057-R01	PB05	GABLE	1	1	
					Job Reference (optional)

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 08:53:25 2021 Page 2 ID:3tOeK4qXnLTmNBax9UYSrlyf11m-EsSQONjRqZhidWLfhNSXR93gbpvWGe2qPNHJbDyxtuu

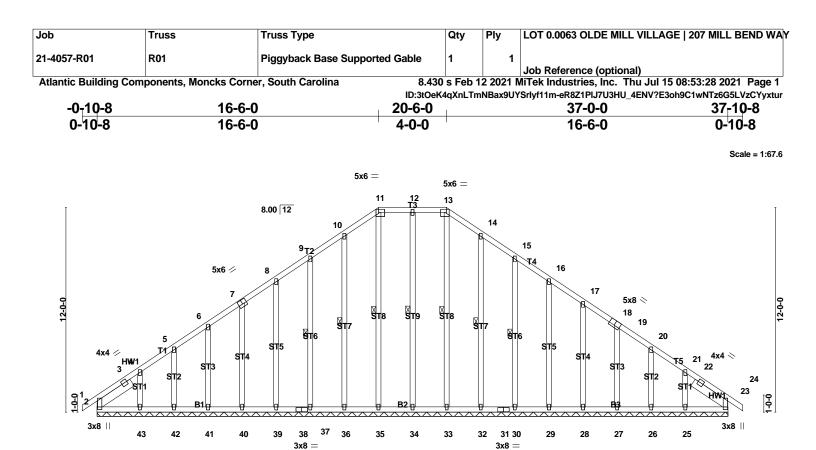
NOTES- (12-15)

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 2, 6, 10, 8.

10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

- 12) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 13) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
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- 15) SEE BCSI-B3 SUMMARY SHEET-PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.



	1					37-0-0						
						37-0-0						
Plate Offsets (X,Y) [2:0-6-1,0-0-4], [7:0-3-0,0-3-0], [11:0-4-4,0-2-4], [13:0-4-4,0-2-4], [18:0-4-0,Edge], [23:0-6-1,0-0-4]												
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.09	Vert(LL)	-0.00	23	n/r	180	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.00	23	n/r	80		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	23	n/a	n/a		
BCDL	10.0	Code IRC2018/T	PI2014	Matr	ix-SH						Weight: 314 lb	o FT = 20%

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.3 OTHERS 2x4 SP No.3 SLIDER Left 2x6 SP No.2 - 2-6-0, Right 2x6 SP No.2 - 2-6-0 BRACING-TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. WEBS 1 Row at midpt

12-34, 11-35, 10-36, 9-37, 13-33, 14-32, 15-30

REACTIONS. All bearings 37-0-0. (Ib) - Max Horz

2=-228(LC 8) Max Uplift All uplift 100 lb or less at joint(s) 23, 34, 35, 36, 37, 39,

Continued on page 2

REANCE TRANSIFT

All uplift 100 lb or less at joint(s) 23, 34, 35, 36, 37, 39, 40, 41, 42, 32, 30, 29, 28, 27, 26, 2 except 43=-120(LC 12), 25=-102(LC 13) Max Grav All reactions 250 lb or less at joint(s) 23, 34, 42, 43, 33, 26, 25, 2 except 35=259(LC 23), 36=262(LC 20), 37=252(LC 20), 39=256(LC 20), 32=259(LC 21), 30=254(LC 21), 29=254(LC 21), 28=252(LC 21), 27=261(LC 21)

FORCES. (lb)

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

NOTES- (14-17)

1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 3-11-2, Exterior(2N) 3-11-2 to 11-8-6, Corner(3R) 11-8-6 to 25-3-10, Exterior(2N) 25-3-10 to 33-0-14, Corner(3E) 33-0-14 to 37-10-8 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.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE 207 MILL BEND WAY
21-4057-R01	R01	Piggyback Base Supported Gable	1	1	
					Job Reference (optional)

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 08:53:28 2021 Page 2 ID:3tOeK4qXnLTmNBax9UYSrlyf11m-eR8Z1PIJ7U3HU_4ENV?E3oh9C1wNTz6G5LVzCYyxtur

NOTES- (14-17)

4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs

non-concurrent with other live loads.

6) Provide adequate drainage to prevent water ponding.

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

8) Gable requires continuous bottom chord bearing.

9) Gable studs spaced at 2-0-0 oc.

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

11) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf. 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 23, 34, 35, 36, 37, 39, 40, 41, 42, 32, 30, 29, 28, 27, 26, 2 except (jt=lb) 43=120, 25=102.

13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

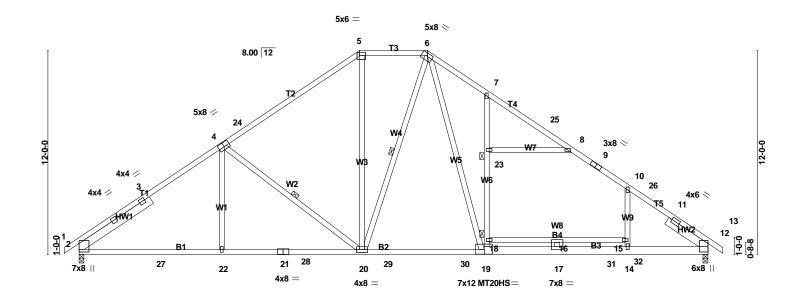
- 14) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 15) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 16) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
- 17) SEE BCSI-B3 SUMMARY SHEET-PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S)

Standard

s Truss Type	Qty	y Ply	LOT 0.0063 OLDE MILL V	ILLAGE 207 MILL BEND WAY
Piggyback Base	7	1		
			Job Reference (optional)	
ts, Moncks Corner, South Carolina	8.430 s Fe	eb 12 2021 M	AiTek Industries, Inc. Thu	Jul 15 08:53:32 2021 Page 1
	ID:3tOeK4qX	nLTmNBax9U	YSrlyf11m-WDN3snoqBiaizbN	?cL4ADese5e3UPa3s0yTALJyxtun
12 16-6-0	20-6-0 2	24-1-8	32-1-8	37-0-0 37 _Γ 10-8
12 8-1-4	4-0-0	3-7-8	8-0-0	4-10-8 0-10-8
1	Piggyback Base hts, Moncks Corner, South Carolina 12 16-6-0	Piggyback Base 7 nts, Moncks Corner, South Carolina 8.430 s F ID:3t0eK4qx 12 12 16-6-0 20-6-0	Piggyback Base 7 1 nts, Moncks Corner, South Carolina 8.430 s Feb 12 2021 M ID:3t0eK4qXnLTmNBax9U 12 16-6-0 20-6-0 24-1-8	Piggyback Base 7 1 Job Reference (optional) hts, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu ID:3t0eK4qXnLTmNBax9UYSrlyf11m-WDN3snoqBiaizbN 12 16-6-0 20-6-0 24-1-8 32-1-8

Scale = 1:67.8



	1	8-4-12		16-6-0	24-1-8) 1	28-1-8	32-1-8	37-0-0	I
		8-4-12		8-1-4	7-7-8		4-0-0	4-0-0	4-10-8	7
Plate Offse	ets (X,Y)	- [4:0-4-0,0-3-0], [5:0)-4-4,0-2-4	i], [6:0-4-0,0-1-9], [′	19:0-5-12,0-3-4]				
TCDL BCLL	20.0 10.0 0.0 *	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.25 1.25 YES	CSI. TC 0.93 BC 0.99 WB 0.98	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.55 14-17 -0.91 14-17 0.10 12	/ >803 / >487	L/d 240 180 n/a	PLATES MT20 MT20HS	GRIP 244/190 187/143
BCDL	10.0	Code IRC2018/TI	PI2014	Matrix-SH					Weight: 268 lb	FT = 20%
BOT CHOF WEBS SLIDER Left 2x6 SF Right 2x6 S BRACING- TOP CHOF Structural 1-7-8 oc pu BOT CHOF Rigid ceilir bracing. WEBS 1 Row at m 4-20, 6-20 JOINTS 1 Brace at	T2,T1 RD 2x4 S B3: 2: 2x4 S W6: 2 P No.2 - 5 SP No.2 - RD wood she urlins. RD ng directl nidpt	2-10-5 eathing directly app y applied or 2-2-0 of 23	lied or	REACTIONS. (lb 2 = 12 = Max Horz 2 = Max Uplift 2 = 12 = Max Grav 2 = 12 = FORCES. (lb) Max. Comp./Max less except wher TOP CHORD 2-3=-2693/95, 3-4 4-24=-2000/145, 5 5-6=-1579/207, 6- 7-25=-2191/112, 6 2-2542/410, 6	1572/0-3-8 (i 1659/0-3-8 (i 228(-90(i -47(i 1908 2163 . Ten All forc shown. =-2566/128, 5-24=-1888/186 7=-2593/252, 3-25=-2303/94,	min. 0-2-3) LC 9) LC 12) LC 13) (LC 20) (LC 21) es 250 (Ib) c	2-3= 4-24 5-6= 7-25 8-9= 10-2 11-1 BOT 2-27 22-2 21-2 20-2 20-2 20-2 20-2 17-11 14-3 WEE 4-22 5-20 18-1	=-2000/145, -1579/207, (=-2191/112, -2548/110, 9 6=-2621/16, 2=-2748/0 CHORD =-129/2217, 28=-130/221 8=-130/221 1=-130/221 1=-130/221, 1=0/2016, 1 1=0/2011, 1 3S =0/515, 4-2(=-14/741, 6- 9=-759/245,	3, 3, 20-29=0/1650, 9-30=0/1650, 7-31=0/2011, 2-14=0/2120 0=-738/214, -20=-274/170, , 18-23=-606/266,	
MiTek rec required	1 Brace at Jt(s): 18, 23 MiTek recommends that Stabilizers and required cross bracing be installed Continued on page 2			8-9=-2548/110, 9- 10-26=-2621/16, 1	10=-2591/94,	7-23	7-23=-606/266, 16-17=-261/0, 8-23=-265/72, 6-19=-205/1667			

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE 207 MILL BEND WAY
21-4057-R01	R02	Piggyback Base	7	1	
					Job Reference (optional)

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 08:53:32 2021 Page 2 ID:3t0eK4qXnLTmNBax9UYSrlyf11m-WDN3snoqBiaizbN?cL4ADese5e3UPa3s0yTALJyxtun

FORCES. (lb)

Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. WEBS 4-22=0/515, 4-20=-738/214, 5-20=-14/741, 6-20=-274/170, 18-19=-759/245, 18-23=-606/266, 7-23=-606/266, 16-17=-261/0, 8-23=-265/72, 6-19=-205/1667

NOTES- (12-15)

1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 9-8-9, Exterior(2R) 9-8-9 to 27-3-7, Interior(1) 27-3-7 to 33-0-14, Exterior(2E) 33-0-14 to 37-10-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip

DOL=1.60

3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.

 5) Provide adequate drainage to prevent water ponding.

6) All plates are MT20 plates unless otherwise indicated.

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

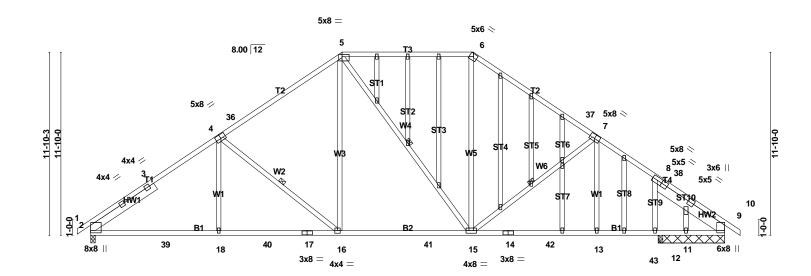
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

9)* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

- 12) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 13) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 14) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines , including diagonal bracing.
- 15) SEE BCSI-B3 ŠUMMARY SHEET-PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 C	DLDE MILL VILLA	AGE 207 MILL	BEND WAY
21-4057-R01	R03	Piggyback Base Str	uctural Gable COMMON I	Gablell	Gable			
					Job Reference	ce (optional)		
Atlantic Building Co	nponents, Moncks Co	rner, South Carolina	8.430 s Feb 1	2 2021 N	MiTek Industrie	es, Inc. Thu Jul	15 08:53:34 20	21 Page 1
_			ID:3tOeK4qXnLTr	nNBax9U	YSrlyf11m-TbVq	HSq4iKqQCvXOjm	6el3x03SpbteT8l	JGyHQCyxtul
-0 ₁ 10-8	8-3-4	16-3-0	24-9-0		32-8-12	36-4-4	41-0-0 42	2-0 ₁ 0
0-10-8	8-3-4	7-11-12	8-6-0		7-11-12	3-7-8	4-7-12 1	-0-0

Scale = 1:74.5



		8-3-4	16-3·	-0	1	24-9-0		32	2-8-12		36-4-437-0-0 41-0-0	
		8-3-4	7-11-	12		8-6-0		7-	11-12		3-7-8 0-7-12 4-0-0	
Plate Of	fsets (X,Y)-	- [4:0-4-0,0-3-0], [5:	0-5-8,0-1-1	2], [6:0-3-	0,0-2-3],	[7:0-4-0,0-3-0]	, [9:4-5	-13, 0- 2	-8], [9:0-	6-1,0-0-	1]	
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.77	Vert(LL)	-0.34	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.48	15-16	>919	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.11	9	n/a	n/a		
BCDL	10.0	Code IRC2018/T	PI2014	Matri	x-SH						Weight: 338 lb	FT = 20%

TOP CHORD 2x4 SP SS *Except* T4: 2x4 SP No.1 BOT CHORD 2x4 SP No.1 2x4 SP No.3 WEBS OTHERS 2x4 SP No.3 SLIDER Left 2x6 SP No.2 - 5-1-0, Right 2x8 SP No.2 - 5-5-3 **BRACING-TOP CHORD** Structural wood sheathing directly applied or 2-2-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. WEBS 1 Row at midpt 4-16, 5-15, 7-15

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. REACTIONS. All bearings 4-3-8 except (jt=length) 2=0-3-8, 12=0-3-8. (lb) - Max Horz 2=-226(LC 8) Max Uplift All uplift 100 lb or less at joint(s) 9 except 2=-112(LC 12), 11=-201(LC 27) Max Grav All reactions 250 lb or less at joint(s) 11 except 9=1795(LC 3), 2=1893(LC 3), 12=308(LC 19)

FORCES. (lb) Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-2701/164, 3-4=-2576/196, 4-36=-2075/215, 5-36=-1969/255, 5-6=-1594/266, 6-37=-1908/255, 7-37=-2012/215, 7-8=-2432/206,

TOP CHORD

2-3=-2701/164, 3-4=-2576/196, 4-36=-2075/215, 5-36=-1969/255, 5-6=-1594/266, 6-37=-1908/255, 7-37=-2012/215, 7-8=-2432/206, 8-38=-2431/178, 9-38=-2546/172 BOT CHORD 2-39=-158/2188, 18-39=-158/2188, 18-40=-158/2185, 17-40=-158/2185, 16-17=-158/2185, 16-41=-32/1645, 15-41=-32/1645, 14-15=-78/1961, 14-42=-78/1961, 13-42=-78/1961, 13-43=-77/1964, 12-43=-77/1964, 11-12=-77/1964, 9-11=-77/1964 WEBS 4-18=0/451, 4-16=-679/210, 5-16=-48/793, 6-15=-18/677, 7-15=-584/214, 7-13=0/358

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE 207 MILL BEND WAY
21-4057-R01	R03	Piggyback Base Structural Gable CON	MIONII	Gablell	Gable
					Job Reference (optional)

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 08:53:34 2021 Page 2 ID:3tOeK4qXnLTmNBax9UYSrlyf11m-TbVqHSq4iKqQCvXOjm6el3x03SpbteT8UGyHQCyxtul

NOTES- (13-16)

1) Unbalanced roof live loads have been

considered for this design. 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 9-5-9, Exterior(2R) 9-5-9 to 31-6-7, Interior(1) 31-6-7 to 37-2-6, Exterior(2E) 37-2-6 to 42-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1. 4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.

6) Provide adequate drainage to prevent water ponding.

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

8) Gable studs spaced at 2-0-0 oc.

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

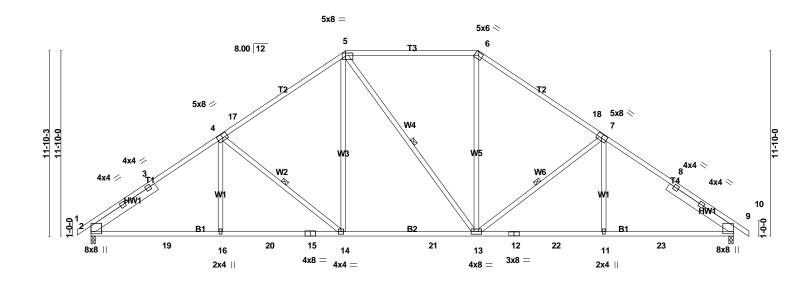
10) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf. 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (it=lb) 2=112, 11=201.

12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

- 13) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 14) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 15) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines , including diagonal bracing.
- 16) SEE BCSI-B3 ŠUMMARY SHEET-PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE	MILL VILLAGE 207	MILL BEND WAY
21-4057-R01	R04	Piggyback Base	2	1			
					Job Reference (op	tional)	
Atlantic Building Co	mponents, Moncks Co	rner, South Carolina	8.430 s Feb	12 2021 🛛	MiTek Industries, Inc	c. Thu Jul 15 08:53:3	7 2021 Page 1
			ID:3tOeK4qXnLT	nNBax9U`	YSrlyf11m-tAAywUsz?F	C?3MGyOufLwhZXEfq8	4?sbAEBx1Xyxtui
-0 ₁ 10-8	8-3-4	16-3-0	24-9-0	I	32-8-12	41-0-0	42-0-0
0-10-8	8-3-4	7-11-12	8-6-0		7-11-12	8-3-4	1-0-0

Scale = 1:73.5



	I	8-3-4	16-	-3-0	1	24-9-0	1	3	2-8-12	I	41-0-0	
		8-3-4	7-1	1-12		8-6-0		7	-11-12		8-3-4	
Plate Offs	sets (X,Y)-	- [4:0-4-0,0-3-0],	[5:0-5-8,0-1-	12], [6:0-3	-0,0-2-3],	[7:0-4-0,0-3-0]						
			-									
LOADING		SPACING-	2-0-0	CSI.		DEFL.	in (l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DO		TC	0.77	Vert(LL)	-0.35 13		>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.50 13		>976	180		
BCLL	0.0 *	Rep Stress In		WB	0.36	Horz(CT)	0.12	9	n/a	n/a		
BCDL	10.0	Code IRC2018	3/TPI2014	Matr	ix-SH						Weight: 260 lb	FT = 20%
LUMBER	_			•		•						
	- DRD 2x4 S	SP SS										
	ORD 2x4 S			9 :	=	1700/0-3-8 (min. 0-2-	4)	вот	CHORD		
WEBS	2x4 S	SP No.3		Max Ho	rz			,	2-19	=-155/221	13, 16-19=-155/2213,	
SLIDER				2 :	=	-226	(LC 8)			20=-155/2		
Left 2x6 S	SP No.2 - {	5-1-0,		Max Up	lift		. ,		15-2	0=-155/22	209,	
Right 2x6	SP No.2	- 5-1-0		2	=	-110	(LC 12)		14-1	5=-155/22	209, 14-21=-26/1672,	
BRACING	3-			9 :	=	-112	(LC 13)		13-2	21=-26/16	72, 12-13=-65/2083,	
TOP CHC				Max Gra	av						83, 11-22=-65/2083,	
		eathing directly a	applied or	—	=		6(LC 3)				87, 9-23=-65/2087	
2-2-0 oc p				9 :	=	1902	2(LC 3)		WEE			
BOT CHC										,	-14=-675/210,	
	ling direct	ly applied or 10-0	-0 oc	FORCE	• • •					,	6-13=-15/704,	
bracing.						. Ten All ford	es 250 (I	b) or	7-13	=-692/210), 7-11=0/468	
WEBS						n shown.			NOT	FO (44		
1 Row at				TOP CH	-	4 0000/400				ES- (10		
4-14, 5-13						-4=-2608/193,			,		d roof live loads ha	ve been
		ds that Stabilizers			,	5-17=-2003/251			cons	sidered to	or this design.	
		acing be installed				-18=-1955/250, 7-8=-2583/193,						
		tion, in accordan	ce with	8-9=-27		1-0=-2000/190,						
Stabilize	er Installa	tion guide.		BOT CH								
					-	16-19=-155/221	3					
	NS. (lb/s				-155/2209		σ,					
2 =	1	692/0-3-8 (min.	∪-∠-4)	10 20-		,						

REACTIONS. (lb/size) 2 = 1692/0-3-8 (min. 0-2-4) Continued on page 2

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE 207 MILL BEND WAY
21-4057-R01	R04	Piggyback Base	2	1	
					Job Reference (optional)

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 08:53:37 2021 Page 2 ID:3tOeK4qXnLTmNBax9UYSrlyf11m-tAAywUsz?FC?3MGyOufLwhZXEfq84?sbAEBx1Xyxtui

NOTES- (10-13)

2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 9-5-9, Exterior(2R) 9-5-9 to 31-6-7, Interior(1) 31-6-7 to 37-2-6, Exterior(2E) 37-2-6 to 42-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00;

Ct=1.10 4) This truss has been designed for greater of

4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.

5) Provide adequate drainage to prevent water ponding.

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

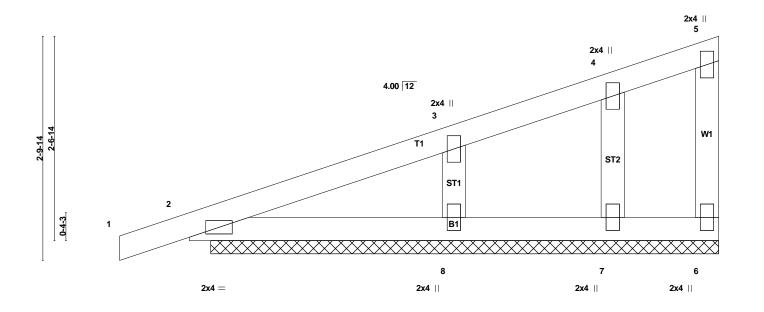
7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=110, 9=112.

9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

- 10) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 11) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 12) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
- 13) SEE BCSI-B3 SUMMARY SHEET-PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE 207 MILL BEND WAY
21-4057-R01	R06	Monopitch Supported Gable	1	1	
					Job Reference (optional)
Atlantic Building Co	nponents, Monck	s Corner, South Carolina	8.430 s Feb 1	2 2021 N	AiTek Industries, Inc. Thu Jul 15 08:53:44 2021 Page 1
ID:3tQeK4qXnLTmNBax9UYSrlyf11m-AW5cQtxMMO4?PRIJJsH iAMteTNODDE					
	0-10-8		6-8-0		1
)-10-8		6-8-0		

Scale = 1:14.5



	6-8-0 6-8-0					
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25 Rep Stress Incr YES Code IRC2018/TPI2014	CSI. TC 0.19 BC 0.09 WB 0.07 Matrix-P	DEFL. in (loc) l/defl L/d PLATES Vert(LL) -0.00 1 n/r 180 MT20 Vert(CT) 0.00 1 n/r 80 MT20 Horz(CT) 0.00 1 n/a n/a Weight: 29	GRIP 244/190 lb FT = 20%		

LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 2x4 SP No.3 WEBS OTHERS 2x4 SP No.3 **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. MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. **REACTIONS. All bearings 6-4-12.** (lb) - Max Horz

(iii) Inderivity
2= 78(LC 10)
Max Uplift
All uplift 100 lb or less at joint(s) 6, 2, 8, 7
Max Grav
All reactions 250 lb or less at Continued on page 2

REAKCENCENSY

All reactions 250 lb or less at joint(s) 6, 2, 7 except 8=358(LC 21)

FORCES. (Ib) Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. WEBS 3-8=-289/224

NOTES- (12-15)

1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) zone;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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

4) Unbalanced snow loads have been considered for this design.

5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.

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.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE 207 MILL BEND WAY
21-4057-R01	R06	Monopitch Supported Gable	1	1	
					Job Reference (optional)
Atlantic Building Components, Moncks Corner, South Carolina			8.430 s Feb 1	2 2021 N	MiTek Industries, Inc. Thu Jul 15 08:53:45 2021 Page 2

ID:3tOeK4qXnLTmNBax9UYSrlyf11m-ejf_bDy_7iDs1btVsapDFNu2NtjdygUm0U7MJ3yxtua

Atlantic Building Components, Moncks Corner, South Carolina

NOTES- (12-15)

8) * 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 1-0-0 wide will fit between the bottom chord and any other members.

9) Provide mechanical connection (by others) of truss to bearing plate capable of

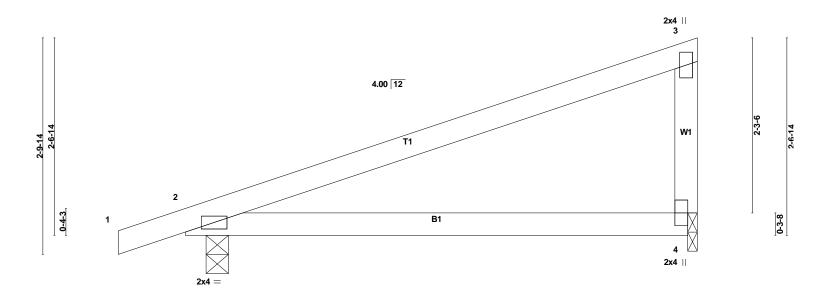
withstanding 100 lb uplift at joint(s) 6, 2, 8, 7. 10) Non Standard bearing condition. Review required.

11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

- 12) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 13) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 14) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
- 15) SEE BCSI-B3 SUMMARY SHEET-PERMANENT RESTRAING/BRACING OF **CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD,** BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM **GUIDELINES, ALWAYS CONSULT THE** PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE 207 MILL BEND WAY		
21-4057-R01	R07	Monopitch	7	1			
					Job Reference (optional)		
Atlantic Building Components, Moncks Corner, South Carolina			8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 08:53:45 2021 Page 1				
	ID:3t	OeK4qXnl	TmNBax	9UYSrlyf11m-ejf_bDy_7iDs1btVsapDFNutxtcjyhWm0U7MJ3yxtua			
-	0-10-8	6-8	B-O				
)-10-8	6-3	8-0				

Scale = 1:15.0



0-3-4 0-3-4

LOADING (psf) TCLL 20.0 TCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25	CSI. TC 0.85 BC 0.53	DEFL. Vert(LL) Vert(CT)	in (loc -0.10 2- -0.20 2-	4 >772 4 >386	L/d 240 180	PLATES MT20	GRIP 244/190
BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code IRC2018/TPI2014	WB 0.00 Matrix-P	Horz(CT)	0.00	n/a	n/a	Weight: 25 lb	FT = 20%
LUMBER-								

LUMBER-

-

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
BRACING-	
TOP CHORD	
Structural wo	od sheathing directly applied or
2-2-0 oc purli	ns, except end verticals.
BOT CHORD	•
Rigid ceiling	directly applied or 10-0-0 oc
bracing.	
MiTek recon	nmends that Stabilizers and
required cro	oss bracing be installed
during truss	s erection, in accordance with
Stabilizer In	stallation guide.

REACTIONS.	(lb/size)
2 =	321/0-3-8 (min. 0-1-8)
4 =	250/0-1-8 (min. 0-1-8)
Max Horz	
2 =	78(LC 10)
Max Uplift	
2 =	-56(LC 10)
4 =	-44(LC 14)

Max Uplift	
2 =	-56(LC 10)
4 =	-44(LC 14)
Max Grav	
2 =	408(LC 21)
4 =	337(LC 21)

FORCES. (Ib) Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. TOP CHORD 3-4=-273/154

NOTES- (11-14) 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

3) Unbalanced snow loads have been considered for this design.

4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
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 1-0-0 wide will fit between the bottom chord and any other members.

7) 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.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE 207 MILL BEND WAY
21-4057-R01	R07	Monopitch	7	1	
					Job Reference (optional)

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 08:53:46 2021 Page 2 ID:3tOeK4qXnLTmNBax9UYSrlyf11m-6vDMpZzcu0LjelShQHKSnbR2hHyyh8mwE8swrVyxtuZ

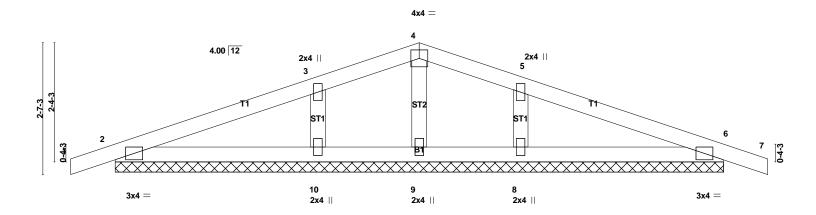
NOTES- (11-14)

8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

- 11) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 13) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
- 14) SEË BCSI-B3 SŬMMARY SHEET-PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE 207 N	IILL BEND WAY
21-4057-R01	SP01	Common Supported Gable	1	1		
					Job Reference (optional)	
Atlantic Building Con	nponents, Moncks Corne	er, South Carolina 8.	.430 s Feb 1	2 2021 N	MiTek Industries, Inc. Thu Jul 15 08:53:47	7 2021 Page 1
	ID:3	3tOeK4qXnLTr	nNBax9U	JYSrlyf11m-a5nk0v_EeJTaGv1u_?rhKozNyhN4Q	a_3TocTNyyxtuY	
-0-10-8	6	5-0-0			12-0-0	12-10-8
0-10-8	l	ò-0-0			6-0-0	0-10-8

Scale = 1:22.7



12-0-0 12-0-0									
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 *	SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25 Rep Stress Incr YES	CSI. TC 0.25 BC 0.21 WB 0.07	DEFL. Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.01 0.00	(loc) 7 7 6	l/defl n/r n/r n/a	L/d 180 80 n/a	PLATES MT20	GRIP 244/190
BCDL 10.0	Code IRC2018/TPI2014	Matrix-SH						Weight: 46 lb	FT = 20%

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.3 OTHERS 2x4 SP No.3 BRACING-TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. MiTek recommends that Stabilizers and required cross bracing be installed

during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 12-0-0. (lb) - Max Horz 2= 28(LC 14) Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 10, 8 Max Grav All reactions 250 lb or less at

REAMOTING V

All reactions 250 lb or less at joint(s) 2, 6, 9 except 10=439(LC 21), 8=439(LC 22)

FORCES. (Ib) Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. WEBS 3-10=-331/168, 5-8=-331/168

NOTES- (13-16)

1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 4-0-0, Corner(3R) 4-0-0 to 8-0-0, Corner(3E) 8-0-0 to 12-10-8 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

5) Unbalanced snow loads have been considered for this design.

6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) Gable requires continuous bottom chord bearing.

8) Gable studs spaced at 2-0-0 oc.

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

Job	Truss	Truss Type	(Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE 207 MILL BEND WAY
21-4057-R01	SP01	Common Supported Gable	1	1	1	
						Job Reference (optional)
Atlantia Duilding Com	nononto Monolco Corne	r. Couth Coroline	0 420 -	Eah 44	0 0004 1	ATAL Industrian Inc. Thus Jul 45 00-52-47 2024 Dags 2

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 08:53:47 2021 Page 2 ID:3tOeK4qXnLTmNBax9UYSrlyf11m-a5nk0v_EeJTaGv1u_?rhKozNyhN4Qa_3TocTNyyxtuY

NOTES- (13-16)

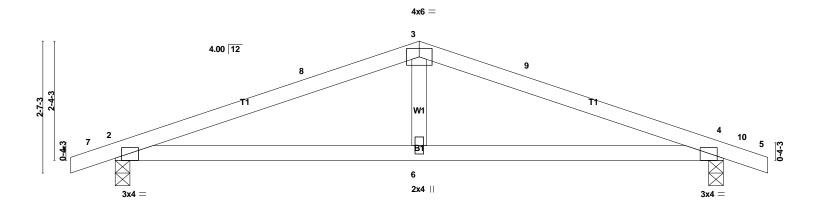
10) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.

11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 10, 8. 12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

- 13) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 14) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 15) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
- 16) SEE BCSI-B3 SUMMARY SHEET-PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

-	Job	Truss	Truss Type	Qty	Ply		LOT 0.0063 OLDE MILL VILLAGE 207 M	IILL BEND WAY				
:	21-4057-R01	SP02	Common	4		1						
L							Job Reference (optional)					
	Atlantic Building Com	ponents, Moncks Corne	r, South Carolina	8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 08:53:48 2021 Page 1								
			ID:	ID:3tOeK4qXnLTmNBax9UYSrlyf11m-3IL6DF?sPdbRu3c4YiMwt0WQW5e_91dCiSL1vOyxtuX								
	-0-10-8	6	-0-0	12-0-0								
	0-10-8	0-10-8 6-0-0				6-0-0						

Scale = 1:22.7



	<u> </u>								
Plate Offsets (X,Y)	[2:0-1-8,Edge], [4:0-1-8,Edg	ge]				•	0-0		
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0 LUMBER-	SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25 Rep Stress Incr YES Code IRC2018/TPI2014	CSI. TC 0.71 BC 0.55 WB 0.11 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.06 -0.11 0.01	(loc) 2-6 2-6 4	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 42 lb	GRIP 244/190 FT = 20%
BRACING- TOP CHORD Structural wood sh 3-11-15 oc purlins. BOT CHORD Rigid ceiling direct bracing. MiTek recommen required cross br during truss erec Stabilizer Installa REACTIONS. (lb/s 2 =	SP No.2 SP No.3 heathing directly applied or dy applied or 10-0-0 oc ds that Stabilizers and acing be installed tion, in accordance with tion guide. ize) 530/0-3-8 (min. 0-1-8) 530/0-3-8 (min. 0-1-8) 28(LC 14) -61(LC 10)	Max Uplift 4 = Max Grav 2 = 4 = FORCES. (lb) Max. Comp./Max. less except when TOP CHORD 2-8=-891/227, 3-8 3-9=-785/236, 4-9 BOT CHORD 2-6=-161/758, 4-6 WEBS 3-6=0/277 NOTES- (10-13 1) Unbalanced ro considered for th	621 621 621 - Ten All ford n shown. =-785/236, =-785/236, =-161/758 =-161/758		(lb) or	(3-se BCD Encl zone Exte 8-0-' forc Lum (Lum (Lum (Lum (Lum (Lum (Lum Cs= 5) Ti of m time non- 6) Ti psf I	econd gu pL=5.0psf losed; MV a and C-C rior(2R) 3 14 to 12-1 es & MWI ber DOL: CLL: ASC DOL=1.2 gh Cat B; 1.00; Ct= nbalance sidered for nis truss in roof liv s flat roo concurrent his truss pottom ch	E 7-16; Vult=115n st) Vasd=91mph; ; h=23ft; Cat. II; E: WFRS (envelope) g Exterior(2E) -0-11 3-11-2 to 8-0-14, E: 0-8 zone;C-C for n FRS for reactions =1.60 plate grip D0 E 7-16; Pr=20.0 p 25 Plate DOL=1.25 15 Plate DOL=1.15; 7 Partially Exp.; Ce 1.10 d snow loads hav or this design. has been designes f load of 20.0 psf d ent with other live has been designe hord live load non er live loads.	TCDL=5.0psf; xp B; gable end D-8 to 3-11-2, xterior(2E) members and shown; DL=1.60 sf (roof LL:); Pf=20.0 psf 5); Is=1.0; e=1.0; e been d for greater for 2.00 on overhangs loads. d for a 10.0

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE 207 MILL BEND WAY
21-4057-R01	SP02	Common	4	1	
					Job Reference (optional)

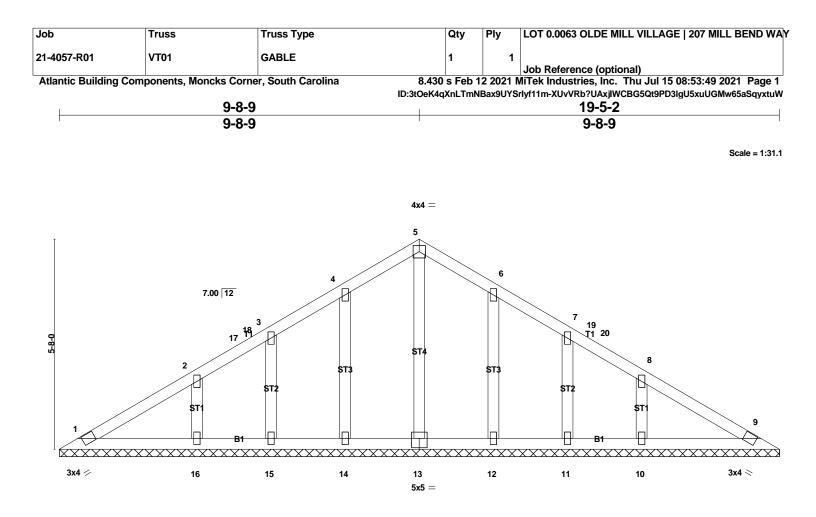
NOTES- (10-13)

7) * 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 1-0-0 wide will fit 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, 4.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

- 10) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 11) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 12) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
- 13) SEE BCSI-B3 SUMMARY SHEET-PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 08:53:48 2021 Page 2 ID:3tOeK4qXnLTmNBax9UYSrlyf11m-3IL6DF?sPdbRu3c4YiMwt0WQW5e_91dCiSL1vOyxtuX



19-5-2 19-5-2

Plate Offsets (X,Y	Plate Offsets (X,Y) [13:0-2-8,0-3-0]													
LOADING (psf) TCLL 20.0 TCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25	CSI. TC 0.10 BC 0.12	DEFL. Vert(LL) Vert(CT)	in (loc n/a - n/a -	n/a	L/d 999 999	PLATES MT20	GRIP 244/190						
BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code IRC2018/TPI2014	WB 0.08 Matrix-SH	Horz(CT)) n/a	999 n/a	Weight: 93 lb	FT = 20%						

All uplift 100 lb or less at

joint(s) 1, 14, 15, 16, 12, 11,

All reactions 250 lb or less

except 14=258(LC 5), 16=265(LC

Max. Comp./Max. Ten. - All forces 250 (lb) or

1) Unbalanced roof live loads have been

23), 12=258(LC 6), 10=265(LC

at joint(s) 1, 9, 13, 15, 11

REANCE TROUMS

Max Grav

10

24)

FORCES. (lb)

NOTES- (11-14)

less except when shown.

considered for this design.

LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.3 OTHERS 2x4 SP No.3 BRACING-TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 19-5-2.

(lb) - Max Horz 1= 105(LC 13) Max Uplift All uplift 100 lb or less at joint(s) 1, 14, 15, 16, 12, 11,

10

2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-6-8 to 5-4-1, Exterior(2R) 5-4-1 to 14-1-1, Exterior(2E) 14-1-1 to 18-10-11 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

4) Unbalanced snow loads have been considered for this design.

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

6) Gable requires continuous bottom chord bearing.

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

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE 207 MILL BEND WAY
21-4057-R01	VT01	GABLE	1	1	
					Job Reference (optional)

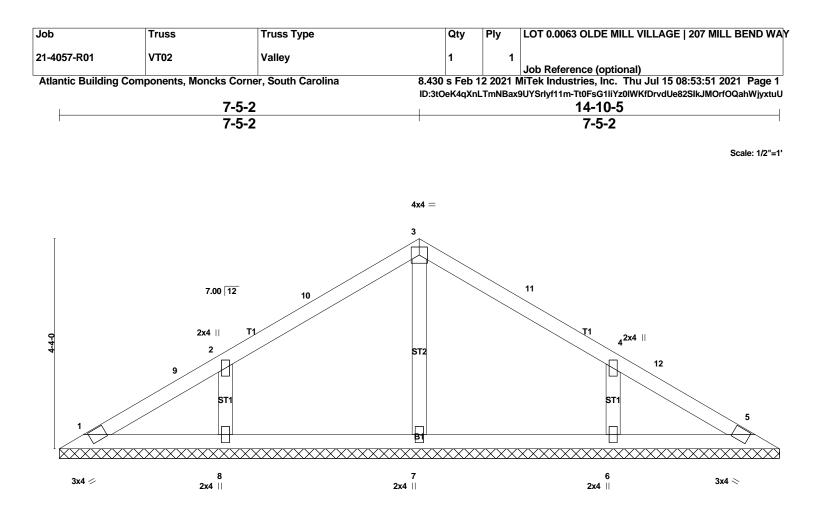
NOTES- (11-14)

8) * 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 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf. 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 14, 15, 16, 12, 11, 10.

10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

- 11) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 13) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
- 14) SEE BCSI-B3 SUMMARY SHEET-PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 08:53:50 2021 Page 2 ID:3tOeK4qXnLTmNBax9UYSrlyf11m-?gTtew07xEr97MmSf7OOyRbwQuQAdxWV9mq7_GyxtuV



14-10-5 14-10-5											
244/190											
56 lb FT = 20%											
5											

LUMBER-TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.3 OTHERS 2x4 SP No.3 **BRACING-**TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 14-10-5. (lb) - Max Horz 1= 79(LC 13) Max Uplift All uplift 100 lb or less at joint(s) 1, 8, 6 Max Grav All reactions 250 lb or less at

Continued on page 2

REAMORT AND REAMORT SU

All reactions 250 lb or less at joint(s) 1, 5 except 7=287(LC 20), 8=441(LC 20), 6=441(LC 21)

FORCES. (Ib) Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. WEBS 2-8=-366/124, 4-6=-366/124

NOTES- (10-13) 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-6-8 to 5-4-1, Exterior(2R) 5-4-1 to 9-6-3, Exterior(2E) 9-6-3 to 14-3-13 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

4) Unbalanced snow loads have been

considered for this design.

5) Gable requires continuous bottom chord bearing.

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 where a rectangle 3-6-0 tall by 1-0-0 wide will fit 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) 1, 8, 6.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE 207 MILL BEND WAY
21-4057-R01	VT02	Valley	1	1	
					Job Reference (optional)

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NOTES- (10-13)

- 10) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 11) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 12) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
- 13) SEE BCSI-B3 SÜMMARY SHEET-PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

Job	Truss	Truss Type		Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE 207 MILL BEND WAY					
21-4057-R01	VT03	Valley		1	1						
Atlantic Building		ks Corner, South Carolina	8.430 ID:3tOe	s Feb 1 K4qXnL	I 2 2021 I .TmNBax9	Job Reference (optional) MiTek Industries, Inc. Thu Jul 15 08:53:52 2021 Page 1 OUYSrlyf11m-x3ad3c2NTs5tNgvrnYRs1shB_i0w5sKod4JE39yxtuT 10-3-7					
		5-1-11		5-1-11							
						Scale = 1:16.5					
			4x4 =								
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	7.	00 12									
3-0-0		п				- II					
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3x4 🖉			4 2x4			3x4 📎					

	10-3-7 10-3-7											
LOADIN TCLL TCDL	20.0 10.0	SPACING- Plate Grip DOL Lumber DOL	2-0-0 1.25 1.25	CSI. TC BC	0.42 0.49	DEFL. Vert(LL) Vert(CT)	in n/a n/a	(loc) - -	l/defl n/a n/a	L/d 999 999	PLATES MT20	GRIP 244/190
BCLL BCDL	0.0 * 10.0	Rep Stress Incr Code IRC2018/TI	YES PI2014	WB Matri	0.06 x-SH	Horz(CT)	0.00	3	n/a	n/a	Weight: 35 lb	FT = 20%

LUMBER-TOP CHORD 2x4 SP No.2 2) Wind: ASCE 7-16; Vult=120mph BOT CHORD 2x4 SP No.3 Max Uplift (3-second gust) Vasd=95mph; TCDL=5.0psf; 2x4 SP No.3 OTHERS 3 -30(LC 15) = BCDL=5.0psf; h=23ft; Cat. II; Exp B; **BRACING-**4 -11(LC 14) = Enclosed; MWFRS (envelope) gable end TOP CHORD Max Grav zone and C-C Exterior(2E) zone;C-C for 250(LC 20) Structural wood sheathing directly applied or 1 = members and forces & MWFRS for 6-0-0 oc purlins. 3 = 250(LC 21) reactions shown; Lumber DOL=1.60 plate 4 412(LC 21) BOT CHORD = grip DOL=1.60 Rigid ceiling directly applied or 10-0-0 oc 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: FORCES. (lb) bracing. Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf Max. Comp./Max. Ten. - All forces 250 (lb) or MiTek recommends that Stabilizers and (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; less except when shown. required cross bracing be installed Rough Cat B; Partially Exp.; Ce=1.0; WEBS during truss erection, in accordance with Cs=1.00; Ct=1.10 2-4=-256/76 Stabilizer Installation guide. 4) Unbalanced snow loads have been considered for this design. NOTES- (10-13) **REACTIONS.** (lb/size) 5) Gable requires continuous bottom chord 1) Unbalanced roof live loads have been 171/10-3-7 (min. 0-1-8) 1 = bearing. considered for this design. 171/10-3-7 (min. 0-1-8) 395/10-3-7 (min. 0-1-8) 3 = 6) This truss has been designed for a 10.0 4 = psf bottom chord live load nonconcurrent Max Horz with any other live loads. -52(LC 10) 1 = Max Uplift

Continued on page 2

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1

-23(LC 14)

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE 207 MILL BEND WAY
21-4057-R01	VT03	Valley	1	1	
		-			Job Reference (optional)

NOTES- (10-13)

7) * 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 1-0-0 wide will fit 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) 1, 3, 4.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and

referenced standard ANSI/TPI 1.

- 10) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 11) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 12) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
- 13) SEE BCSI-B3 SUMMARY SHEET-PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 08:53:53 2021 Page 2 ID:3tOeK4qXnLTmNBax9UYSrlyf11m-PF8?Hy2?E9Dk_qU1KFy5a3DMk6M9qJaxrk3obbyxtuS

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE 207 MI	LL BEND WAY						
21-4057-R01	VT04	Valley	1	1								
Atlantic Building	Components Monc	ks Corner, South Carolina	8 430 s Feb	12 2021	Job Reference (optional) MiTek Industries, Inc., Thu Jul 15 08:53:54	2021 Page 1						
, dantio Bullanig	eemperionie, mono			8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 08:53:54 2021 Page 1 D:3tOeK4qXnLTmNBax9UYSrlyf11m-tRiOUI3d?TLbc_3EuzTK6HmbyVocZmO54NoL72yxtuR								
F		2-10-5	5-8-9									
I		2-10-5	2-10-5									
						Scale = 1:10.7						
			4x4 =									
		2										
1-8-0		7.00 12 T1	ST1		71							
	1											
			B1									
	_ ````````````````````````````````````					Ì						
		4	1									
	2x4 🛷	2x4			2x4 ≈							

5-8-9 5-8-9											
LOADING (ps TCLL 20. TCDL 10. BCLL 0.	.0 Plate Grip DOL	1.25	CSI. TC BC WB	0.13 0.09 0.02	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190
BCDL 10.		-	Matri				•			Weight: 18 lb	FT = 20%

LOWELL
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.3
OTHERS 2x4 SP No.3
BRACING-
TOP CHORD
Structural wood sheathing directly applied or
5-8-9 oc purlins.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc
bracing.
MiTek recommends that Stabilizers and
required cross bracing be installed

required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)

97/5-8-9 (min. 0-1-8)
97/5-8-9 (min. 0-1-8)
178/5-8-9 (min. 0-1-8)
-26(LC 10)
-16(LC 14)

Max Uplift 3 = -20(LC 15) Max Grav 1 = 125(LC 20) 3 = 125(LC 21) 4 = 178(LC 1)

FORCES. (Ib)

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

NOTES- (10-13)

 Unbalanced roof live loads have been considered for this design.
 Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0;

Cs=1.00; Ct=1.10

4) Unbalanced snow loads have been

considered for this design.

5) Gable requires continuous bottom chord bearing.

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 where a rectangle 3-6-0 tall by 1-0-0 wide will fit 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) 1, 3.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE 207 MILL BEND WAY
21-4057-R01	VT04	Valley	1	1	
					Job Reference (optional)

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NOTES- (10-13)

- 10) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 11) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 12) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
- 13) SEE BCSI-B3 SUMMARY SHEET-PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.