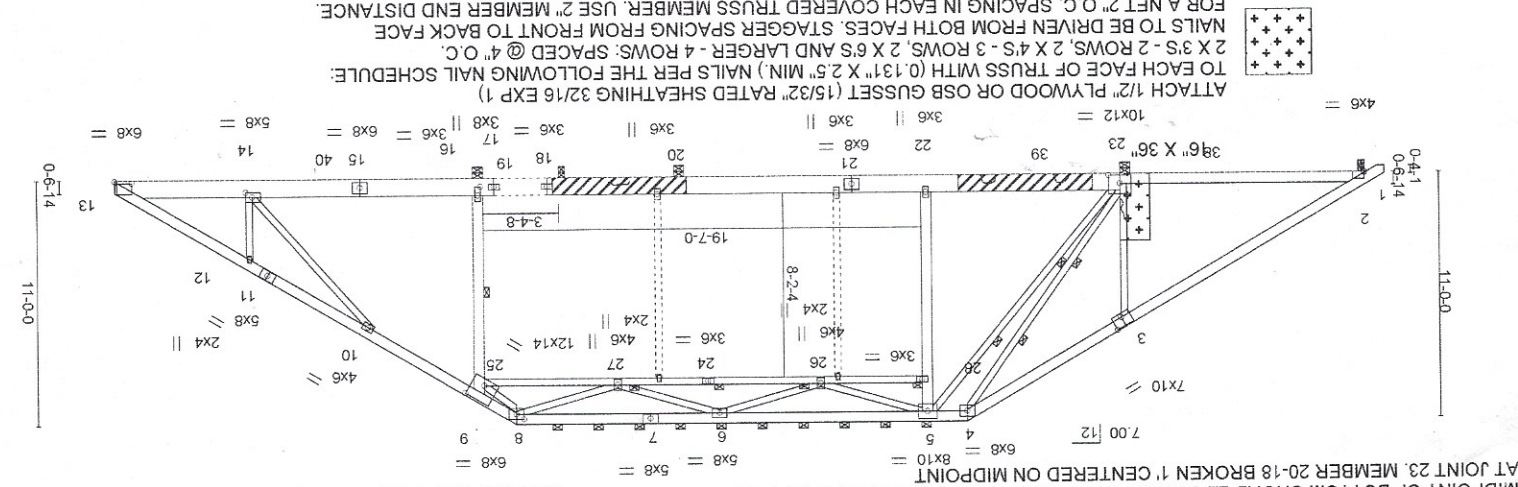


875	Truss	A13	ATTIC	Qty	2	Units	Ply	H&H/Calabash/Lot/8/AcademyAndersonCre	Job Reference (optional)	8 220 s Nov 16 2018 Mittek Industries, Inc. Tue Apr 23 07:28:33 2019 Page 1
						1.0	Eng: JK	136836424		

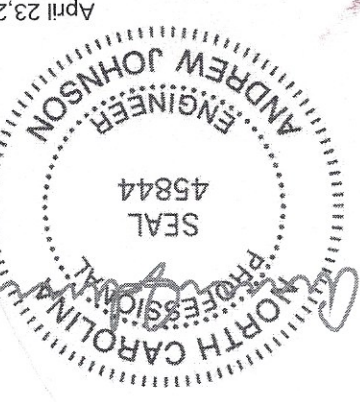
Builders FirstSource, Sunter, SC - 29153.
 ID: J1g18swyF8ny19h0y19kzZivG-zw3d11NW_Yf1YGFkTQ0060M616g7qPv4zNVEc
 49-11-0 55-11-0 6-0-0 10-8-12 6-4-14 4-8-12 17-10-8 7-0-12 1-9-4 9-3-12 28-11-8 38-0-8 9-1-0 1-7-12 39-8-4 44-5-5 4-9-1 5-5-11 49-11-0 55-11-0 6-0-0
 REMOVE MEMBERS SHOWN DASHED AFTER TRUSSES ARE SET, BRACED, AND SHEATHED
 Scale = 1:102.7



APPLY 2 X 4 X 6 SP NO. 2 SCAB(S) TO EACH FACE OF TRUSS CENTERED ON MIDPOINT OF MEMBER PANEL. ATTACH WITH (0.131" X 3") NAILS PER THE FOLLOWING NAIL SCHEDULE:
 TO EACH FACE OF TRUSS WITH (0.131" X 2.5" MIN.) NAILS PER THE FOLLOWING NAIL SCHEDULE:
 2 X 3S - 2 ROWS, 2 X 4S - 3 ROWS AND LARGER - 4 ROWS; SPACED @ 4" O.C. NAILS TO BE DRIVEN FROM BOTH FACES. STAGGER SPACING FROM FRONT TO BACK FACE FOR A NET 2" O.C. SPACING IN EACH COVERED TRUSS MEMBER. USE 2" MEMBER END DISTANCE.
 SCHEDULE: 2 X 3S - 1 ROW, 2 X 4S - 2 ROWS, 2 X 6S AND LARGER - 3 ROWS; SPACED @ 4" O.C. STAGGER NAIL SPACING FROM FRONT FACE AND BACK FACE FOR A NET 2" O.C. SPACING IN THE TRUSS. USE 2" MEMBER END DISTANCE.
 FOR A NET 2" O.C. SPACING IN THE TRUSS. USE 2" MEMBER END DISTANCE.
 10-8-12 10-8-12 10-8-12 19-7-12 19-7-12 4-0-0 23-7-12 30-7-4 30-8-4 6-11-8 4-0-0 14-0-3-3-0-8-0-2-8 16-0-4-12-0-1-8 23-0-6-0-0-4-8 25-0-7-0-0-8-8
 Plate Offsets (X,Y) -- [2:0-0-5-edge], [3:0-5-0-5-0], [8:0-4-0-0-2-12], [9:0-3-3-0-0-0], [13:0-9-4-0-0-15], [14:0-3-3-0-8-0-2-8], [16:0-4-12-0-1-8], [23:0-6-0-0-4-8], [25:0-7-0-0-8-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	L/D	PLATES	GRIP
20.0	2-0-0	TC 0.87	Vert(L) -0.12	14-16	>999	MT20	244/190
TCLL 10.0	Plate Grip DOL 1.15	BC 0.67	Vert(CT) -0.23	14-16	>849		
BCLL 0.0 *	Rep Stress Inor YES	WB 0.96	Horz(CT) 0.15	13	n/a		
BCDL 10.0	Code IRC2015/TP12014	Matrix-AS	Wind(LL) 0.19	14-16	>999		Weight: 539 lb FT = 20%

LUMBER- 2x6 SP No. 2 *Except
 TOP CHORD 8-11: 2x6 SP No. 1
 BOT CHORD 2x10 SP DSS *Except
 WEBS 2x4 SP No. 3 *Except
 2x6 SP No. 2
 5-22-9-16: 2x6 SP No. 2, 24-25-24-28-5-23: 2x4 SP No. 2
REACTIONS: All bearings 0-5-8 except (if=length) 2=0-3-8, 13=Mechanical, 19=0-3-8.
 (1b) - Max Horz 23=305(LC 9)
 Max Uplift All uplift 100 lb or less at joint(s) 19 except 2=822(LC 23), 16=122(LC 9)
 (13), 13=253(LC 13), 23=491(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) 2, 19 except 16=1605(LC 2), 13=655(LC 21), 23=3382(LC 26), 20=1304(LC 18)
FORCES: (1b) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 2-3-435/2318, 3-4-5=262/2268, 4-5=135/1200, 5-6=1126/669, 6-8=1273/569, 8-9=593/658, 9-10=135/397, 10-12=845/450, 12-13=610/207
 2-23=1831/437, 13-14=102/508
 3-23=705/479, 22-28=0/742, 5-28=0/755, 26-27=913/1982, 25-27=527/444, 16-25=1365/369, 9-25=1297/654, 12-14=680/420, 5-26=429/1186, 6-26=912/544, 6-27=839/531, 8-27=378/1089, 8-25=728/728, 4-23=1353/63, 5-23=1664/310, 10-14=163/817
NOTES- (13)
 (1) Unbalanced roof live loads have been considered for this design.
 (2) Wind: ASCE 7-10: Vult=120mph (3-second gust) Vasd=95mph; TC DL=6.0psf, BC DL=6.0psf, h=25ft, Cal II; Exp C; Enclosed; MFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; porch left exposed; C-C for members and forces & MFRS for reactions show: Lumber DOL=1.60 plate grip DOL=1.60
 (3) Provide adequate drainage to prevent water ponding.
 (4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 (5) * This truss has been designed for a live load of 20.0 psf 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, with BCDL = 10.0psf.
 (6) Ceiling dead load (5.0 psf) on members(s), 26-28, 26-27, 25-27; Wall dead load (5.0psf) on member(s), 22-28, 16-25
 (7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room: 20-22, 19-20, 18-19, 16-17
 (8) Refer to girder(s) for truss to truss connections.
 (9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19 except (1=1b)
 2=822, 16=122, 13=253, 23=491.
 (10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 (11) Graphical pull-in representation does not depict the size of the opening of the pull-in along the top and/or bottom chord.
 Cantilevered deck for L/360 deflection.
 WARNING: Vary design parameters and HEAD NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MR-7473 rev. 10/3/2015 BEFORE USE.
 Design valid for use only with Mittek connectors. This design is based 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 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 ANSIT/PTI Quality Criteria, DSB-89 and ECSI Building Component ANSIT/PTI, Alexandria, VA 22314.
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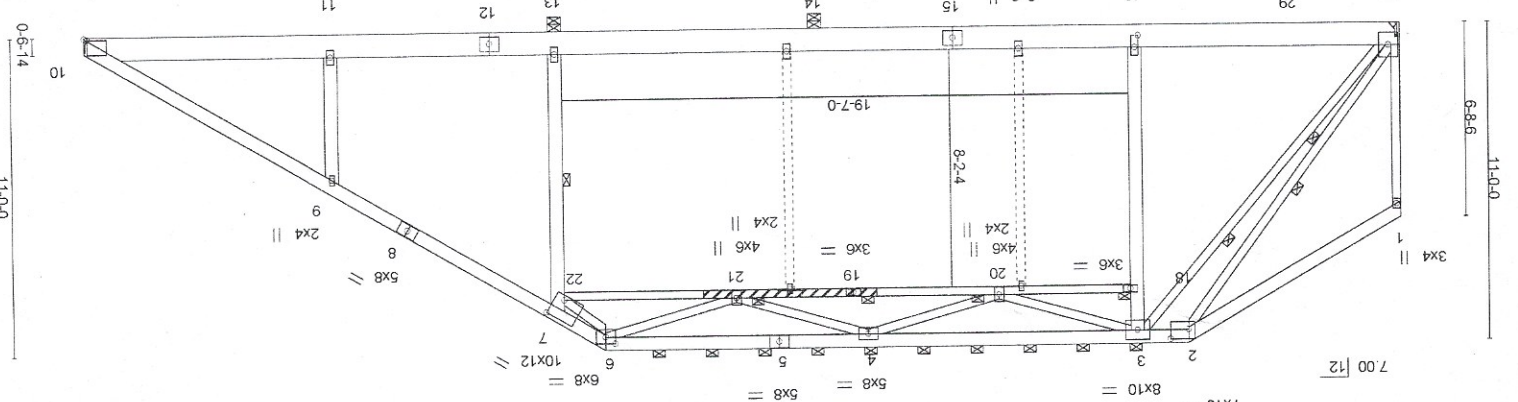


April 23, 2019

031875_INCID_2	Truss	A15	ATTIC	Ply	5	Qty	H&H/Calabash/Lot/8/Academy/AndersonCre	Units: 10 Eng: JK	136863522
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 ID: Tjg185wF8y19h0y19kz3TtYv0Kz3XTH5v83jUv0tldbs3wYpV9V0E7H6uPHZNAE
 Job Reference (optional)
 45-50 8-60 27-6-8 29-2-4 36-11-0 7-8-12 1-7-12 29-2-4 9-1-0 9-1-0 9-3-12 18-5-8 9-1-12 9-1-12 7-4-8 7-0-12 0-3-12

REPAIR: 10" LONG BY 3/4" HIGH CENTERED ON TOP OF RIGHT SHIPPING BRACE
 BETWEEN JOINT 19-21
 REMOVE MEMBERS SHOWN DASHED AFTER TRUSSES ARE SET, BRACED, AND SHEATHED
 Scale = 1:79.2



LOADING (psf)	TCLL	TCDL	BCLL	BCDL
20.0	10.0	0.0 *	10.0	10.0

SPACING-	CSI.	DEFL.	Wind(LL)	Horz(CT)	Vert(CT)	Vert(LL)	in (loc)	L/d	L/d
2-0-0	0.67	-0.21	0.24	0.03	-0.40	-0.21	>921	360	240
			11-28	10	11-28	11-28	>480	240	>825
			11-28	n/a	11-28	11-28	n/a	240	240

PLATES	GRIP	MT20	Weight: 479 lb	FT = 20%
	244/190			

LUMBER-
 TOP CHORD 2x6 SP No. 2
 BOT CHORD 2x10 SP DSS
 WEBS 2x4 SP No. 3 Except
 3-16, 7-13, 9-11: 2x6 SP No. 2, 18-19, 19-22, 2-17: 2x4 SP No. 2
 3-17: 2x4 SP No. 1

REACTIONS,
 All bearings 0-5-8 except (l=length) 10=Mechanical, 17=Mechanical.
 (lb) -
 Max Uplift All uplift 100 lb or less at joint(s) except 13=301(LC 13), 17=110(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 13=192(LC 21), 10=1304(LC 2), 17=1829(LC 2), 14=1065(LC 18)

FORCES, (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=343/268, 3-4=2088/579, 4-6=1947/639, 6-7=1416/307, 7-9=1526/248, 9-10=1636/240
 BOT CHORD 16-17=206/1417, 14-16=209/1418, 11-13=205/1401, 10-11=205/1401
 WEBS 16-18=0/936, 3-18=0/951, 20-21=816/1691, 21-22=703/49, 13-22=623/334, 10-11=205/1401
 7-22=794/401, 9-11=421/289, 3-20=382/1051, 4-20=787/509, 4-21=922/468, 6-21=314/1173, 6-22=1007/23, 2-17=452/122, 3-17=1780/253

NOTES-
 (1) Unbalanced roof live loads have been considered for this design.
 (2) Wind: ASCE 7-10; Vult=120mph (3-second gust); Vasd=95mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. III; Exp. C; Enclosed.
 MWFRS (envelope) gable end zone and C-C Exterior(2) zone; and vertical right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DCL=1.60 plate gnp DCL=1.60
 (3) Provide adequate drainage to prevent water ponding.
 (4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 (5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 (6) Ceiling dead load (5.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 14-16, 13-14, 11-13
 (7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 14-16, 13-14, 11-13
 (8) Refer to girder(s) for truss to truss connections.
 (9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 301 lb uplift at joint 13 and 110 lb uplift at joint 17.
 (10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 (11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 (12) Attic room checked for L/360 deflection.
 (13) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

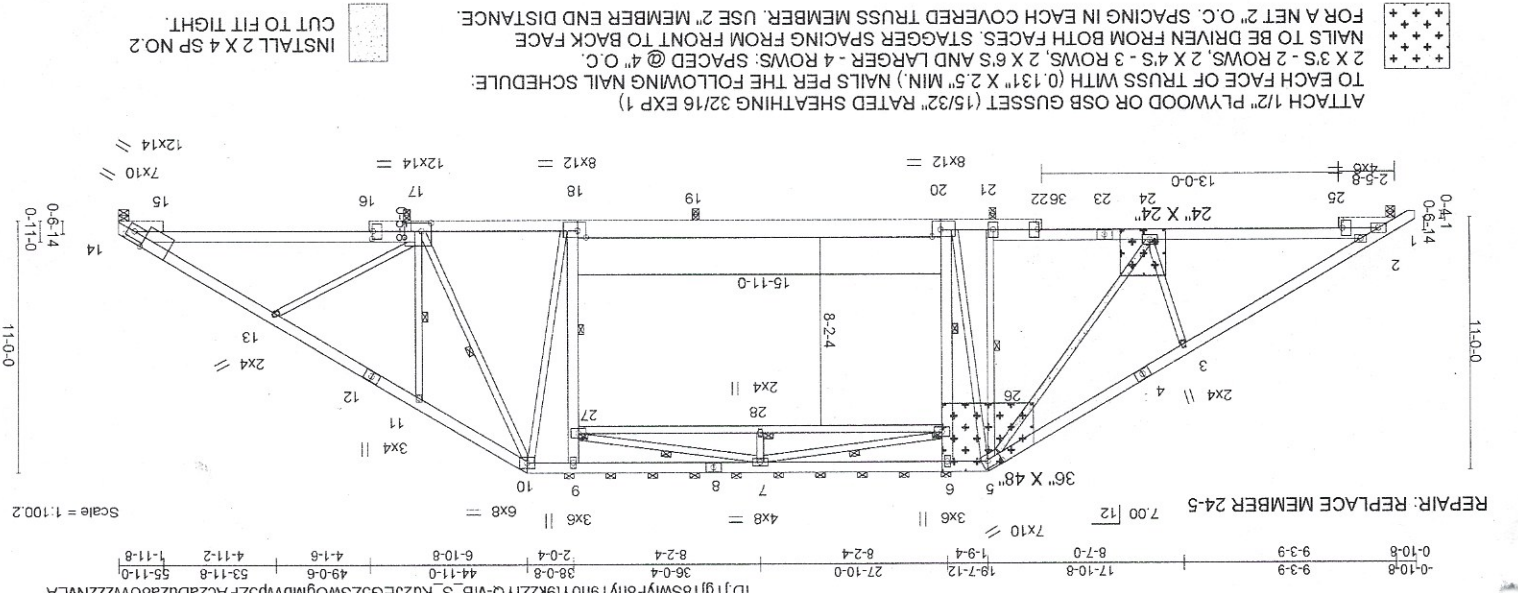
WARNING - Reading design parameters and HEAD NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE NR. 7473 rev. 10/3/2015 BEFORE USE.
 Design valid for use only with MITTEK connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before 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.
 ANSII/TPI Quality Criteria, DSB-89 and BCSI Building Component
 For general guidance regarding building fabrication, storage, delivery, erection and bracing of trusses and truss systems, see
 available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.
 Edenton, NC 27932

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 ID: Tjg185wF8y19h0y19kz3TtYv0Kz3XTH5v83jUv0tldbs3wYpV9V0E7H6uPHZNAE
 Job Reference (optional)
 45-50 8-60 27-6-8 29-2-4 36-11-0 7-8-12 1-7-12 29-2-4 9-1-0 9-1-0 9-3-12 18-5-8 9-1-12 9-1-12 7-4-8 7-0-12 0-3-12

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April 24, 2019



LOADING (psf)	SPACING	CSL	DEFL	IN (loc)	L/Defl	L/D	PLATES	GRIP	Weight: 523 lb	FT = 20%
BCLD 10.0	Code IRC2015/TP12014	Matrix-AS	Wind(LL)	0.11	24-29	>999	240			
BCLL 0.0 *	Rep Stress Incr YES	WB 0.98	Horz(CT)	0.03	14	n/a				
TCDD 10.0	Lumber DOL 1.15	BC 0.50	Vent(CT)	-0.21	24-29	>980	240	MT20		
TCLL 20.0	Plate Grip DOL 1.15	TC 0.42	Vent(LL)	-0.10	17-34	>999	360	GRIP	244/190	

- LUMBER**
 TOP CHORD 2x6 SP No.2
 BOT CHORD 2x6 SP No.2 *Except*
- FORCES**
 (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3-89/2270, 3-5-7-78/410, 5-6-7-167/270, 7-9-189/271
 9-10-215/288, 10-11-0/658, 11-13-5/2679, 13-14-22/385
 BOT CHORD 2-24-269/11, 21-24-300/248, 20-21-272/249, 19-20-216/284
 17-18-296/263, 14-17-312/32, 11-17-381/285
 WEBS 3-24-603/405, 20-26-881/383, 6-26-496/307, 26-28-466/1294, 27-28-466/1294
 18-27-881/346, 9-27-501/272, 10-18-196/799, 7-26-1355/495, 7-27-1325/482
 10-17-1187/143, 13-17-499/293, 5-24-354/977, 5-21-1447/201, 5-20-175/919
- REACTIONS**
 (lb) - All bearings 0-3-8 except (length) 2=0-4-11, 14=0-5-8.
 Max Uplift All uplift 100 lb or less at joint(s) 14 except 2=134(LC 12), 17=234(LC 13), 21=137(LC 12)
 Max Grav All reactions 250 lb or less at joint(s) 14 except 2=760(LC 24), 17=1954(LC 1), 21=1844(LC 2), 19=1285(LC 18)
- NOTES**
 (1) Unbalanced roof loads have been considered for this design.
 (2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDD=6.0psf; BCDD=6.0psf; h=25ft; Cat II; Exp C; Enclosed; MWFs (envelope) gable end and C-C Exterior (2) zone; end vertical left and right exposed; C-C for members and forces & MWFs for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 (3) Provide adequate drainage to prevent water ponding.
 (4) All plates are 5x8 MT20 unless otherwise indicated.
 (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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDD = 10.0psf.
 (7) Ceiling dead load (5.0 psf) on members(s), 26-28, 27-28; Wall dead load (5.0psf) on member(s), 20-26, 18-27
 (8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room, 19-20, 18-19
 (9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (ft-lb) 2=134, 17=234, 21=137
 (10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 (11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 (12) Attic room checked for L/360 deflection.
 (13) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MEMBER REFERENCE PAGE PRIOR TO USE. DESIGN ONLY FOR USE WITH MITTEL CONNECTORS. THIS DESIGN IS BASED 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 BRACING 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 ANSII/TPI 1 QUALITY CRITERIA, DSB-89 AND BCSI BUILDING COMPONENT EDITION, NC 27932

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April 23, 2019

