Mark Morris, P.E.

#126, 1317-M, Summerville, SC 29483 843 209-5784, Fax (866)-213-4614

The truss drawing(s) listed below have been prepared by **Atlantic Building Components** under my direct supervision based on the parameters provided by the truss designers.

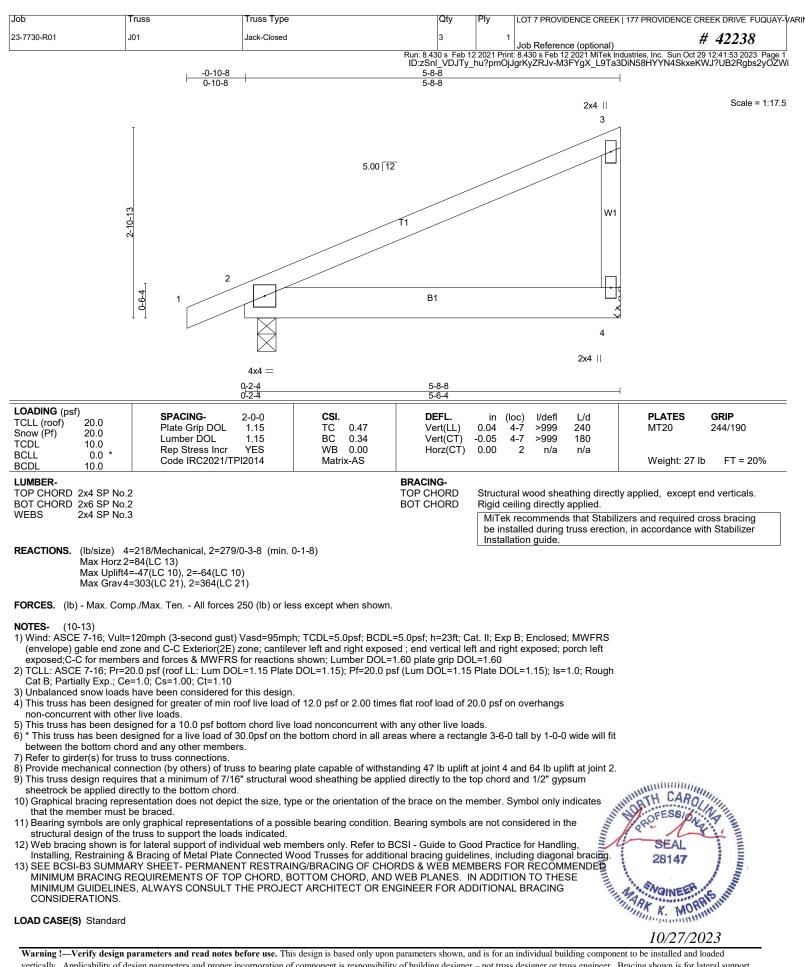
AST #: 42238 JOB: 23-7730-R01 JOB NAME: LOT 7 PROVIDENCE CREEK Wind Code: 37 Wind Speed: Vult= 120mph Exposure Category: B Mean Roof Height (feet): 23 These truss designs comply with IRC 2015 as well as IRC 2018. *18 Truss Design(s)*

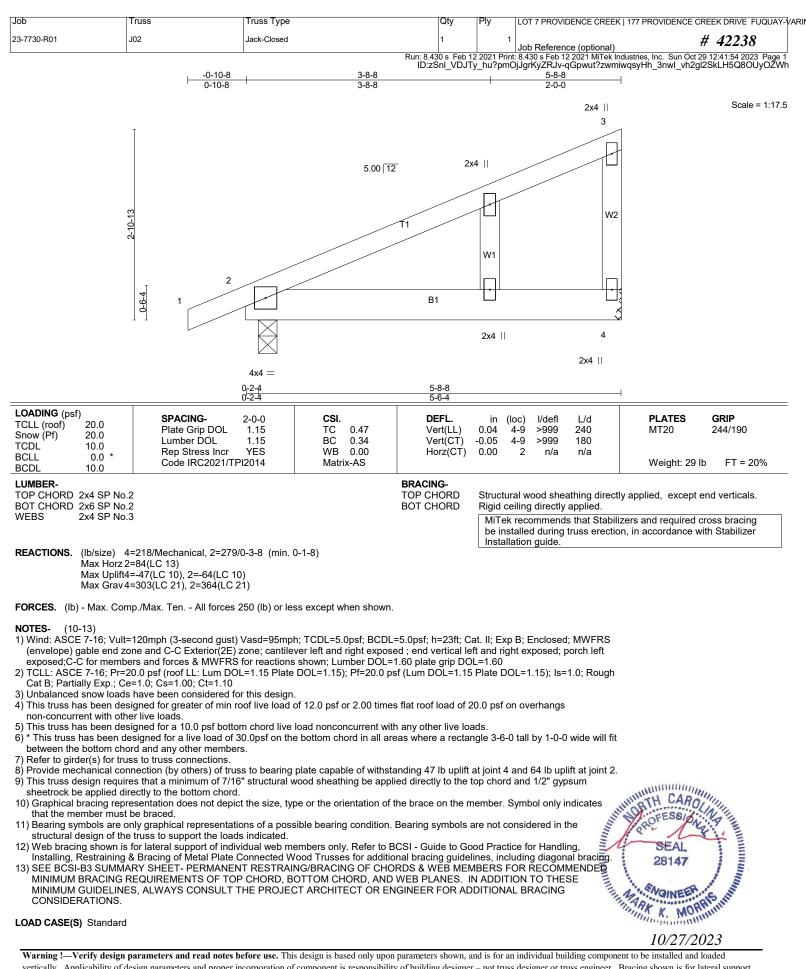
Trusses:

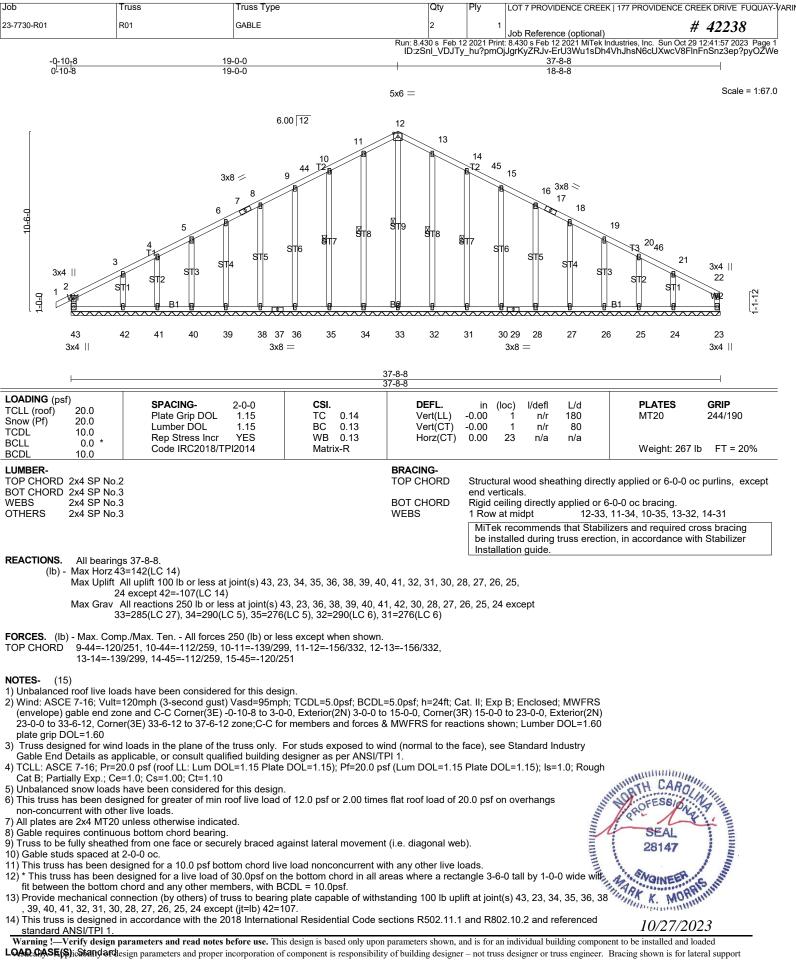
J01, J02, R01, R02, R02A, R03, R04, R05, R06, R07, R08, R09, SP01, SP02, V01, V02, V03,



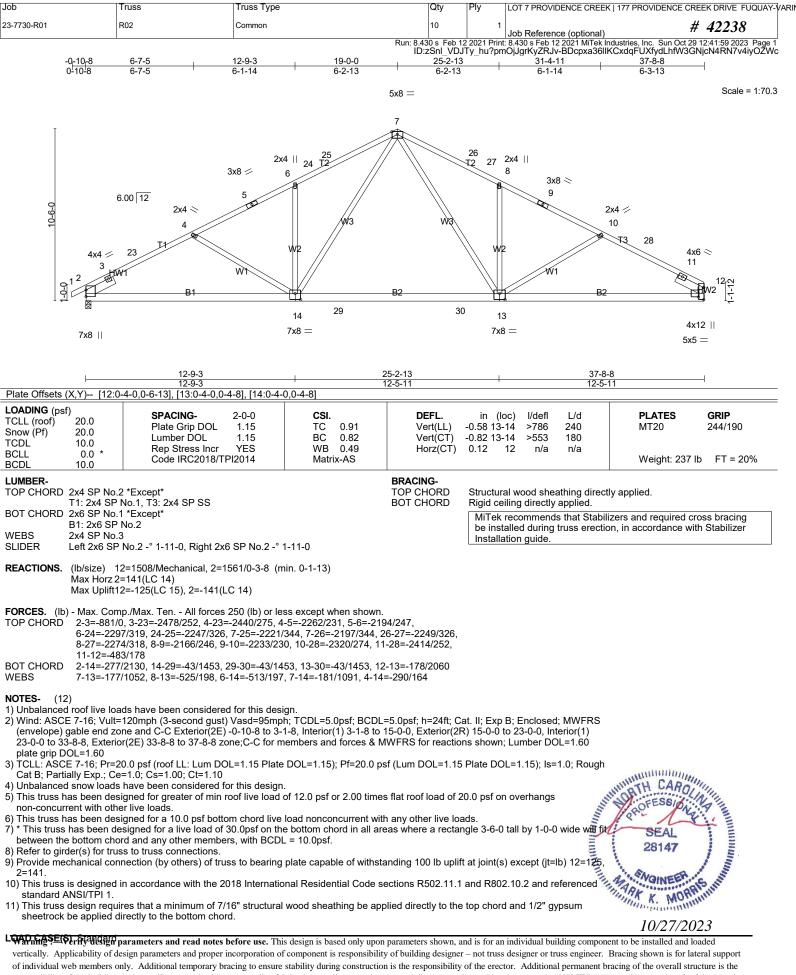
Warning !--- Verify design parameters and read notes before use.



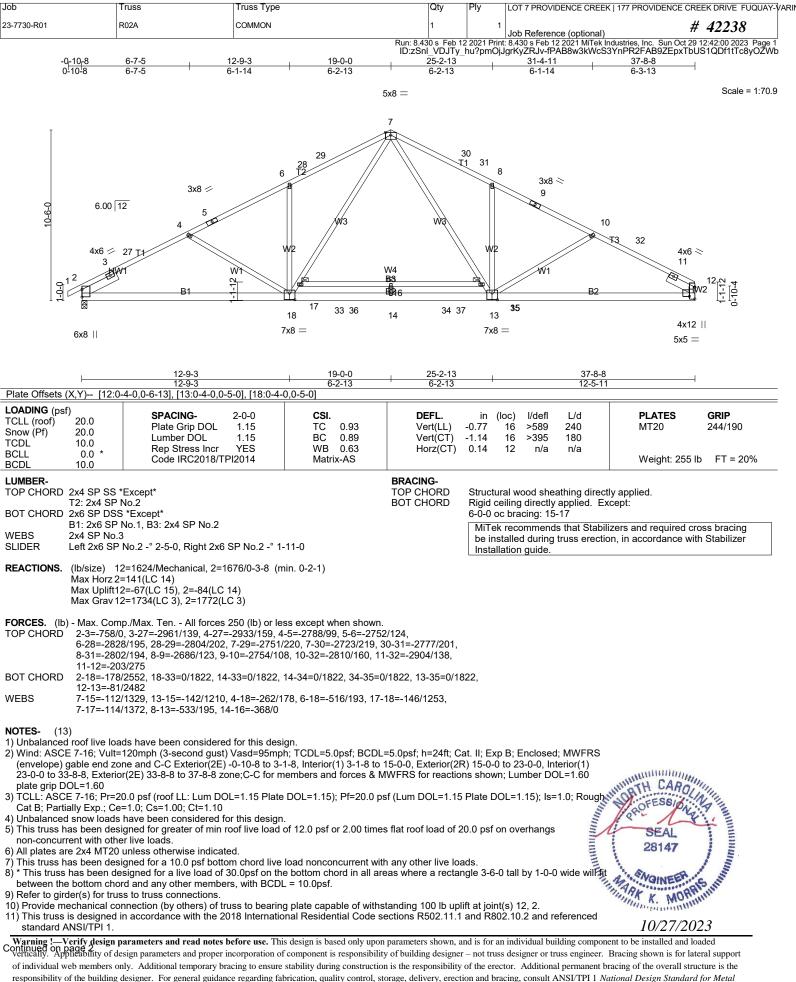




Control States Control Control State Cont



of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



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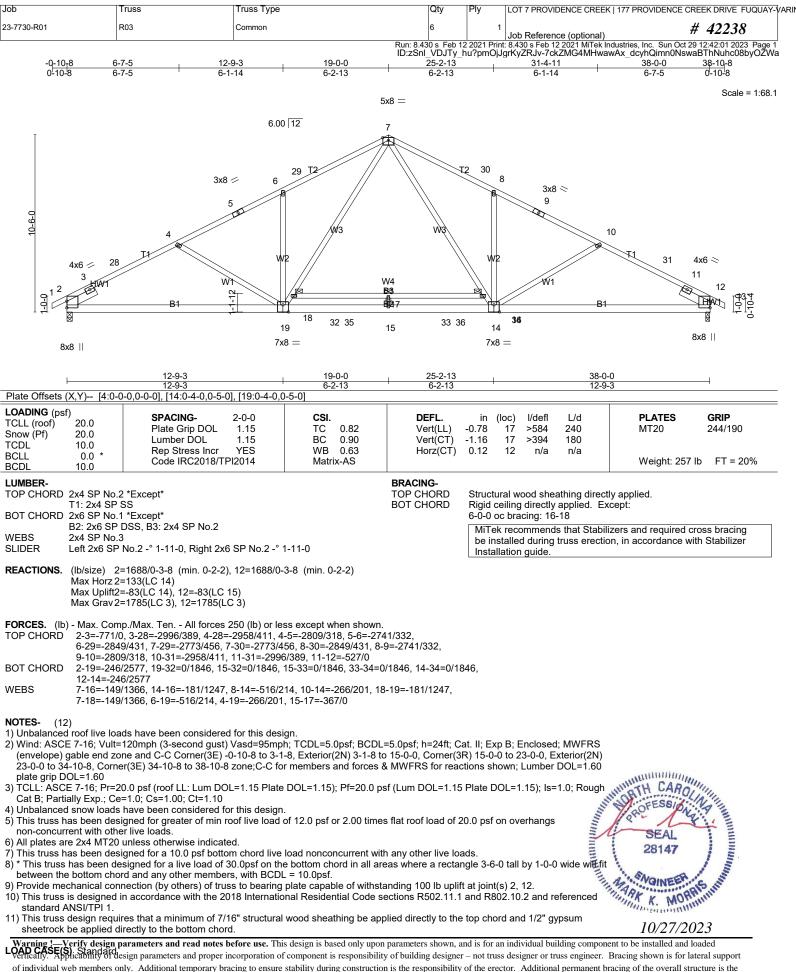
	Job	Truss	Truss Type	Qty	Ply	LOT 7 PROVIDENCE CREEK 177 PROVIDE	NCE CREEK DRIVE FUQUAY-	-VARII
:	23-7730-R01	R02A	COMMON	1	1	Job Reference (optional)	# 42238	
	Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Oct 29 12:42:00 2023 Page ID:zSnI_VDJTy_hu?pm0jJgrKyZRJv-fPAB8w3kWcS3YnPR2FAB9ZEpxTbUS1QDf1tTc8yOZV							

NOTES- (13)

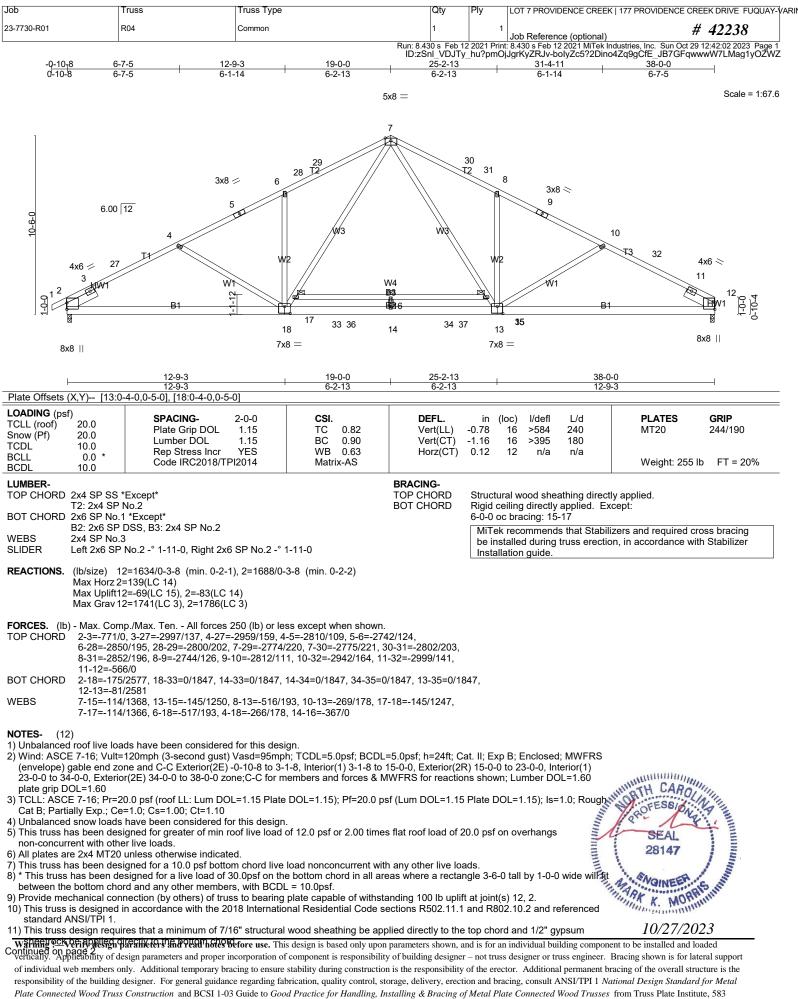
12) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard





of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

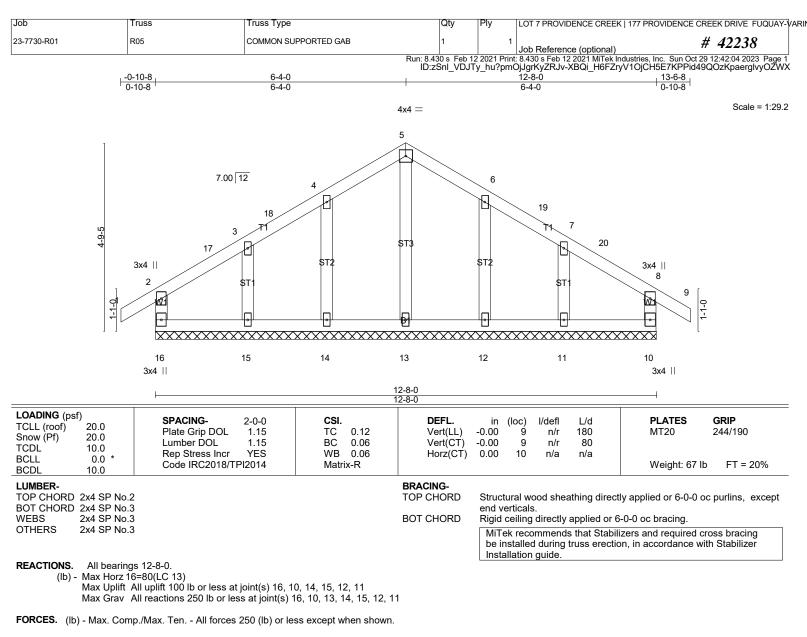


D'Onofrio Drive, Madison, WI 53719.

[Job	Truss	Truss Type	Qty	Ply	LOT 7 PROVIDENCE CREEK 177 PROVIDENCE CREEK DRIVE FUQUAY-VA
	23-7730-R01	R04	Common	1	1	Job Reference (optional) # 42238
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Oct 29 12:42:03 2023 P ID:zSnI_VDJTy_hu?pmOjJgrKyZRJv-3_sKmy6doXqePE80jNjunBsMtgb3fN9fM?57DTyC						

LOAD CASE(S) Standard





NOTES-(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=21ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 3-1-8, Corner(3R) 3-1-8 to 9-6-8, Corner(3E) 9-6-8 to 13-6-8 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=1.15 Plate DOL=1.15); 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

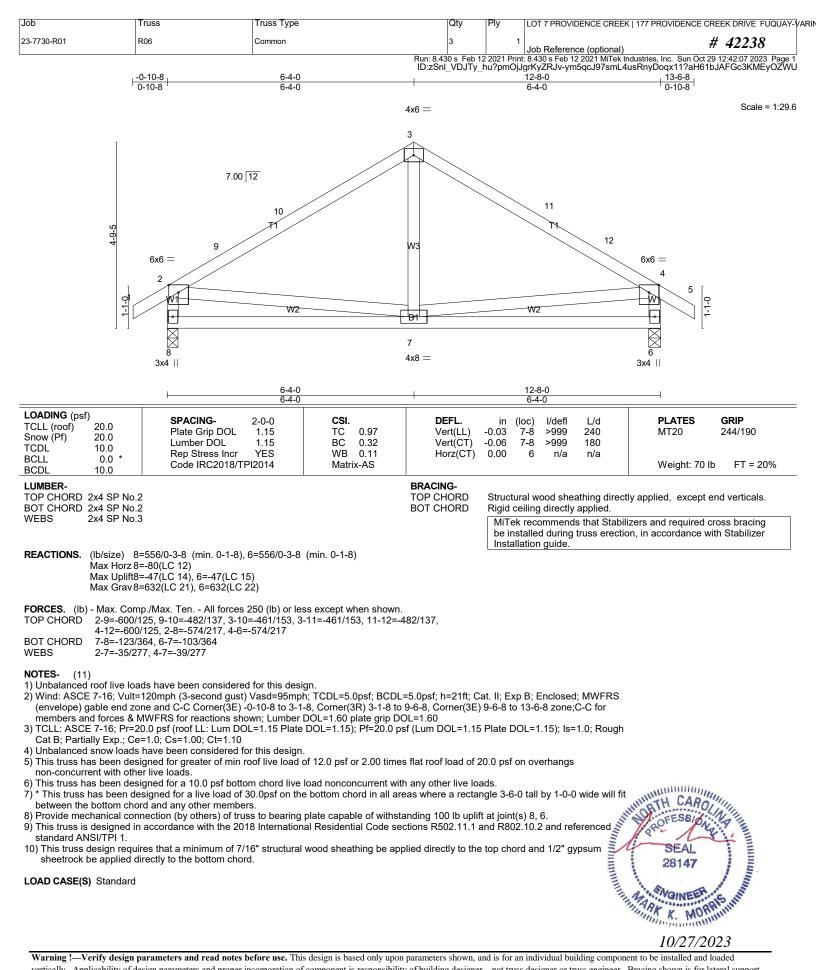
- 7) All plates are 2x4 MT20 unless otherwise indicated.
- 8) Gable requires continuous bottom chord bearing.

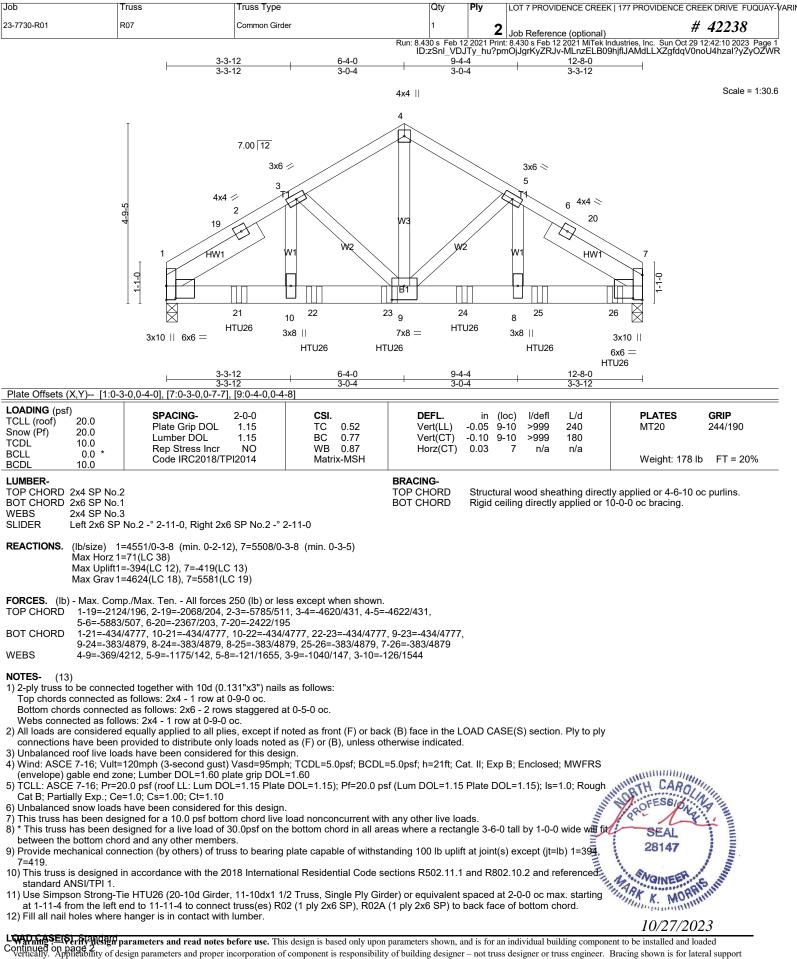
- 12) I his truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 12) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide with the provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 "
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- 14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and reference standard ANSI/TPI 1.

LOAD CASE(S) Standard

2<u>7/20;</u> and ALA RA MARK NOINEE K. MORR 10/27/2023 Warning !-- Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal

Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.





Job	Truss	Truss Type	Qty	Ply	LOT 7 PROVIDENCE CREEK	177 PROVIDENCE CREEK DRIVE FUQUAY-VARI
23-7730-R01	R07	Common Girder	1	2	Job Reference (optional)	# 42238
Run: 8,430 s Feb 12 2021 Print: 8,430 s Feb 12 2021 MiTek Industries, Inc. Sun Oct 29 12:42:10 2023 Page 2						

:: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Oct 29 12:42:10 2023 Page 2 ID:zSnI_VDJTy_hu?pmOjJgrKyZRJv-MLnzELB09hjfIJAMdLLXZgfdqV0noU4hzaI?yZyOZWR

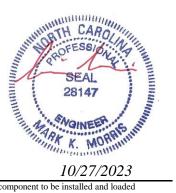
LOAD CASE(S) Standard

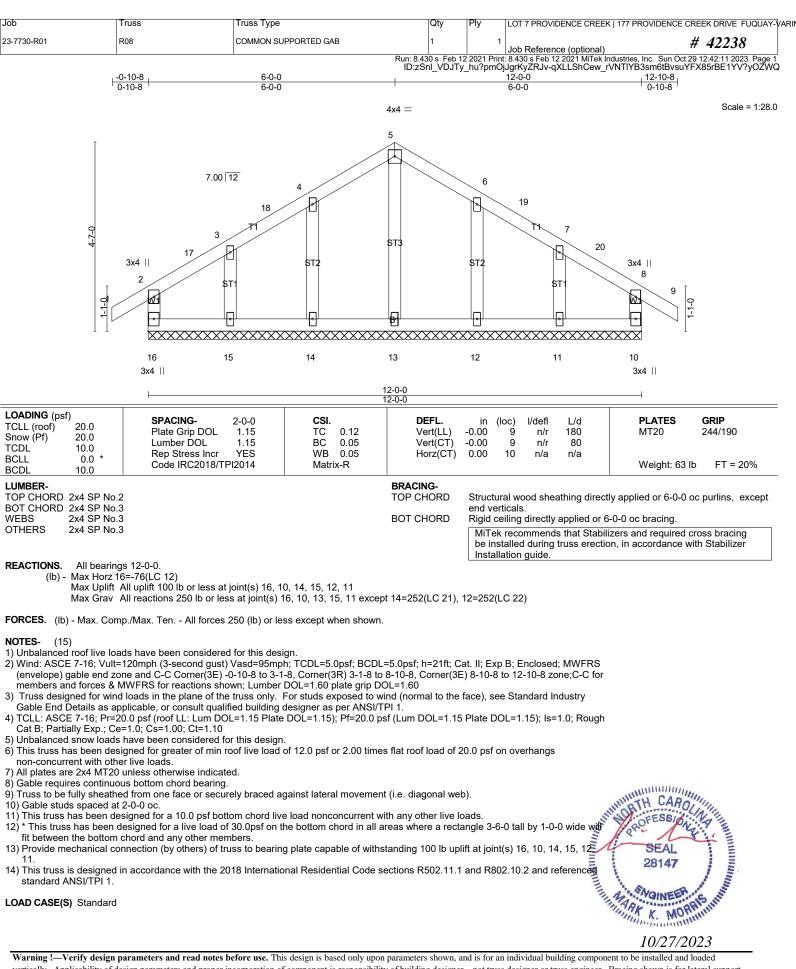
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf) Vert: 1-4=-60, 4-7=-60, 11-15=-20

Concentrated Loads (lb)

Vert: 21=-1488(B) 22=-1488(B) 23=-1488(B) 24=-1488(B) 25=-1488(B) 26=-1606(B)





- 14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and reference ALA RA standard ANSI/TPI 1.

LOAD CASE(S) Standard

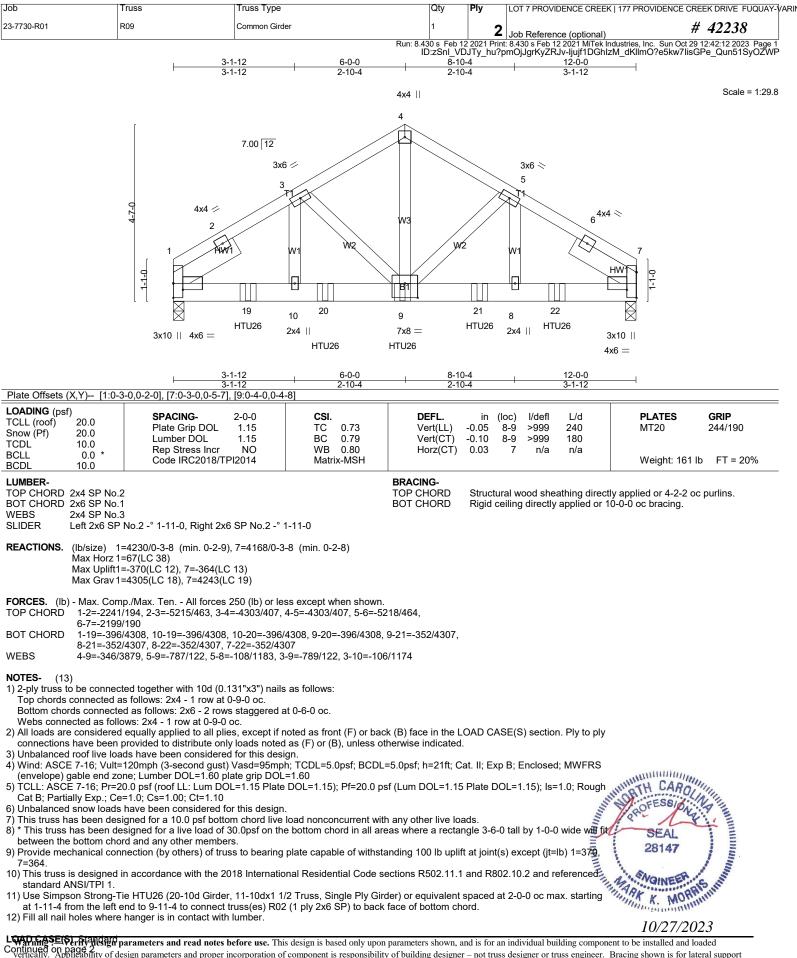
Warning !-- Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

MARK

NOINEE

K. MORR

10/27/2023



Job	Truss	Truss Type	Qty	Ply	LOT 7 PROVIDENCE CREEK 177 PROVIDE	ENCE CREEK DRIVE FUQUAY-	/ARIN
23-7730-R01	R09	Common Girder	1	2	Job Reference (optional)	# 42238	
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Oct 29 12:42:12 2023 Page 2 ID:zSnI_VDJTy_hu?pmOjJgrKyZRJv-ljujf1DGhIzM_dKIImO?e5kw7lisGPe_Qun51SyOZWP							

LOAD CASE(S) Standard

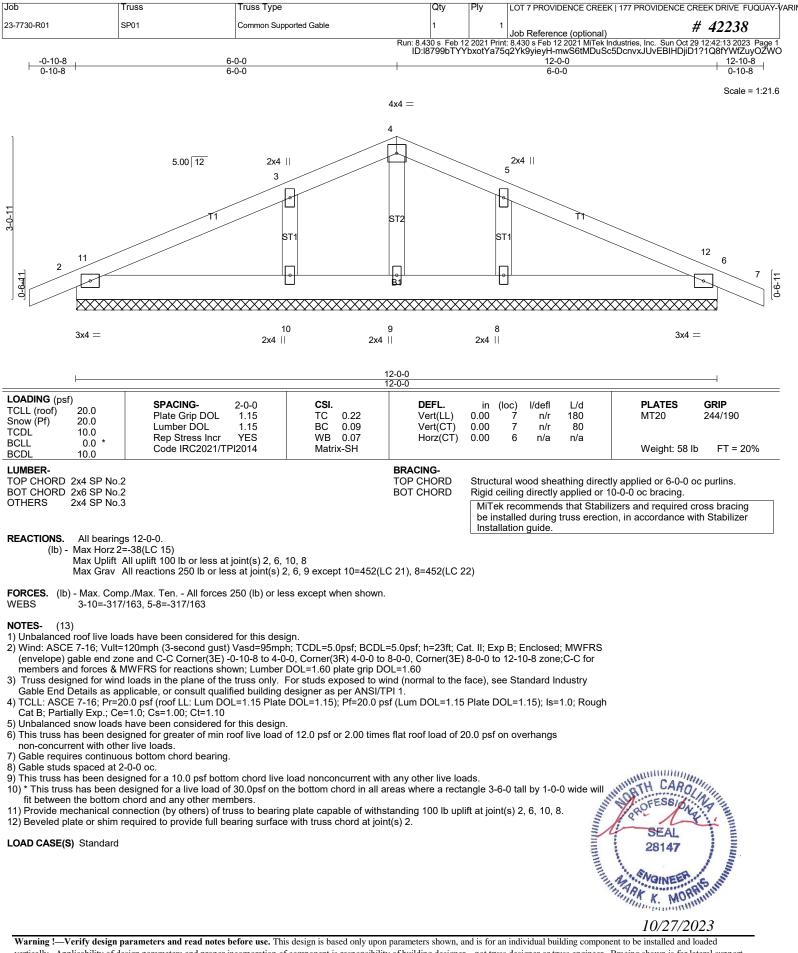
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf) Vert: 1-4=-60, 4-7=-60, 11-15=-20

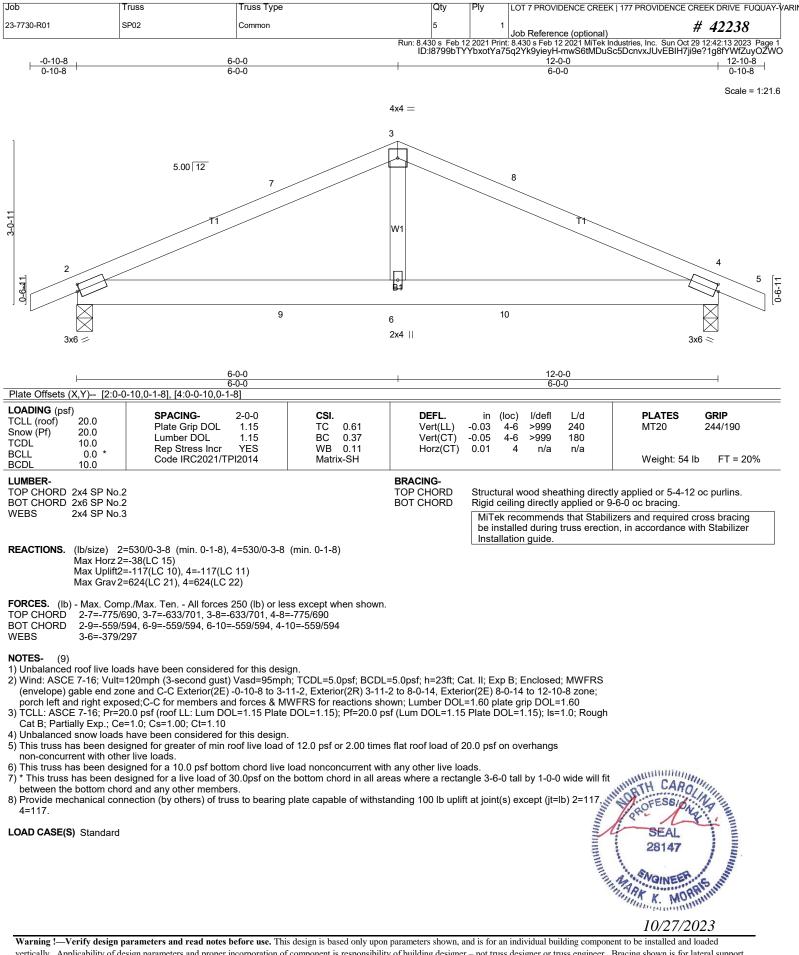
Concentrated Loads (lb)

Vert: 9=-1488(B) 19=-1488(B) 20=-1488(B) 21=-1488(B) 22=-1488(B)

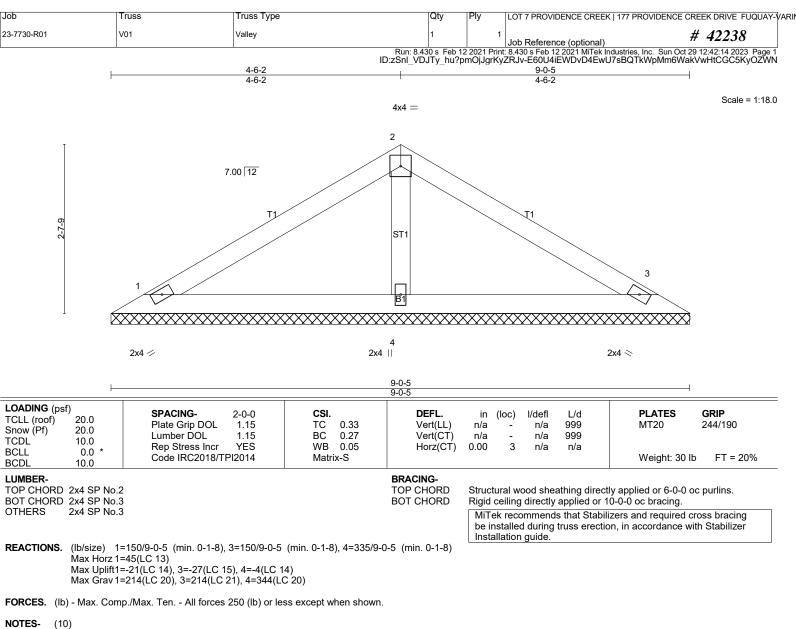




vertically. Applicability of design parameters and read notes before use. This beside only upon parameters shown, and is for an individual building component to be instanted and totaled of individual vertically. Applicability of design parameters and read notes before use. This beside only upon parameters shown, and is for an individual building component to be instanted and totaled of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



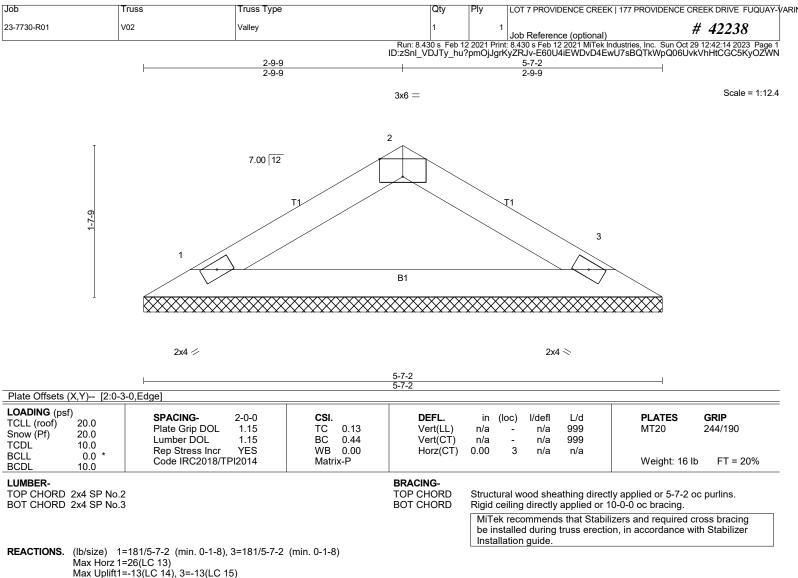
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- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=22ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C 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=1.15 Plate DOL=1.15); 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, 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.







Max Grav 1=206(LC 20), 3=206(LC 21)

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

NOTES- (10)

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

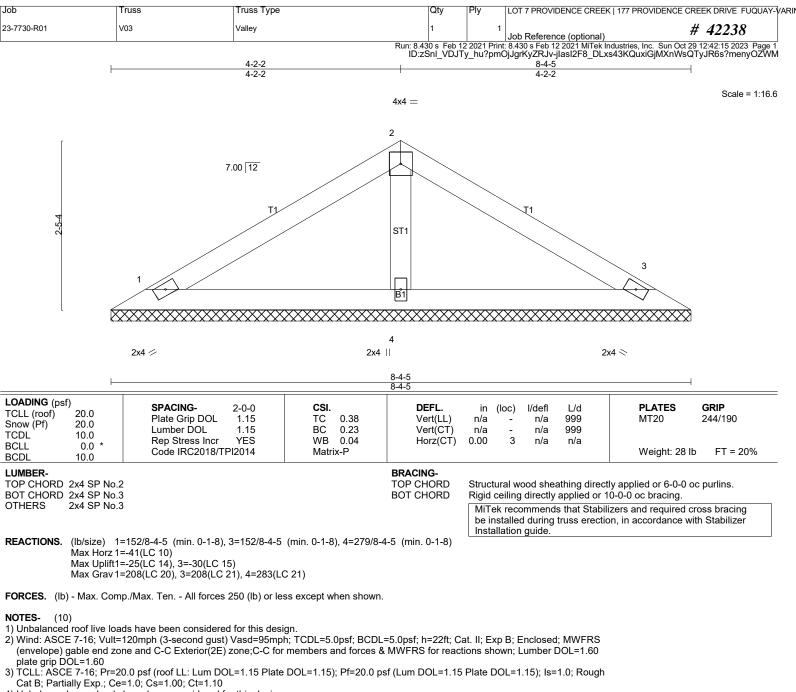
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LOAD CASE(S) Standard
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LOAD CASE(S) Standard
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