

67936



5631 S NC 62 Burlington NC 27215 Tel (336) 226-9356 Fax. (336) 476-9146

HOME DEPOT # 6864 LAKE

JOB #: 72425794

JOB NAME: T278392

SUBDIV:

DELIVERY ADDRESS:

266 NW LAMAR PL
LAKE CITY, FL 32055

TCLL-TCDL-BCLL-BCDL

LOADING: 20 0,10.0,0 0,10.0

WIND: 155mph, H=35', Cat. II, Exp B, Enclosed

BUILDING CODE: FBC2023/FRC2023

This package includes 5 individual, dated Truss Drawings designed using Mitek software. With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

Note: The seal on this index sheet indicates acceptance of professional engineering responsibility solely for the Truss Design Drawings listed below and attached. The Suitability and use of each component for any particular building is the responsibility of the Building Designer, per ANSI/TPI 1.

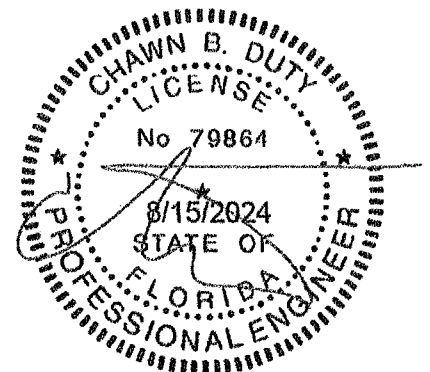
Truss Design Engineer's Name Chawn Duty

License #: PE79864

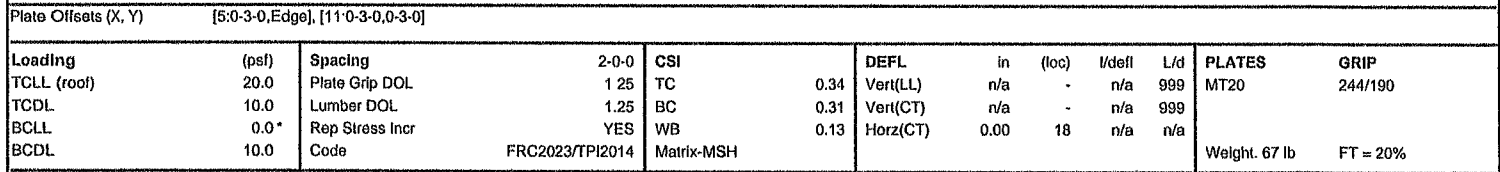
No	Truss ID#	Date
1	T1	08/15/24
2	T2	08/15/24
3	T3	08/15/24
4	T4	08/15/24
5	T5	08/15/24

Chawn
B Duty

Digitally signed
by Chawn B Duty
Date: 2024.08.15
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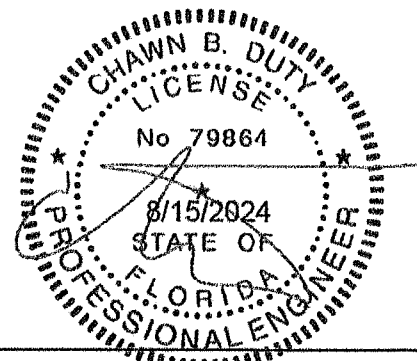


UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter Run 9.01 S 8 73 Jul 24 2024 Print. 8.730 S Jul 24 2024 MiTek Industries, Inc. Thu Aug 15 09 12:31 Page: 1
ID 1USUjJmM_MwGJhmFTvw54yv8Cq-gxmKjQCt9SFQEmCjJUIZ2vs9CGKXvaHRuRrTnd0yneaq



LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.
BOT CHORD	2x4 SP No.2	BOT CHORD	
OTHERS	2x4 SP No.3		
REACTIONS	All bearings 18-0-0.		
	(lb) Max Horiz	2=-61 (LC 11), 14=-61 (LC 11)	
	Max Uplift	All uplift 100 (lb) or less at joint(s) 11, 12 except 2=-159 (LC 6), 8=-165 (LC 7), 10=-257 (LC 11), 13=-256 (LC 10), 14=-159 (LC 6), 18=-165 (LC 7)	
	Max Grav	All reactions 250 (lb) or less at joint(s) 11, 12 except 2=276 (LC 1), 8=276 (LC 1), 10=510 (LC 24), 13=510 (LC 23) 14=276 (LC 1) 18=276 (LC 1)	
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
WEBS	3-13=-334/426, 7-10=-334/426		

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design
 - 2) Wind, ASCE 7-22; Vult=155mph (3-second gust) Vasd=120mph; TCDF=5.0psf; BCDL=5.0psf; h=35ft Cat II Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever left and right exposed , end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1 80 plate grip DOL=1 80
 - 3) Truss designed for wind loads in the plane of the truss only
 - 4) Gable requires continuous bottom chord bearing.
 - 5) Gable studs spaced at 2'-0" oc.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-06"-00 tall by 2'-00"-00 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) 12, 11 except (jtl=2b) 2=159 13=255, 10=256, 8=166, 2=159, 8=166



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCE and Truss Plate Institute.



Job	Truss	Truss Type	Qty	Ply	HM DEPOT/T278392 RF
72425794	T2	Truss	13	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S NC 62, Burlington NC, Daniel Carter Run: 9.01 S 8.73 Jul 24 2024 Print: 8.730 S Jul 24 2024 MITek Industries, Inc. Thu Aug 15 09:12:32 Page: 1
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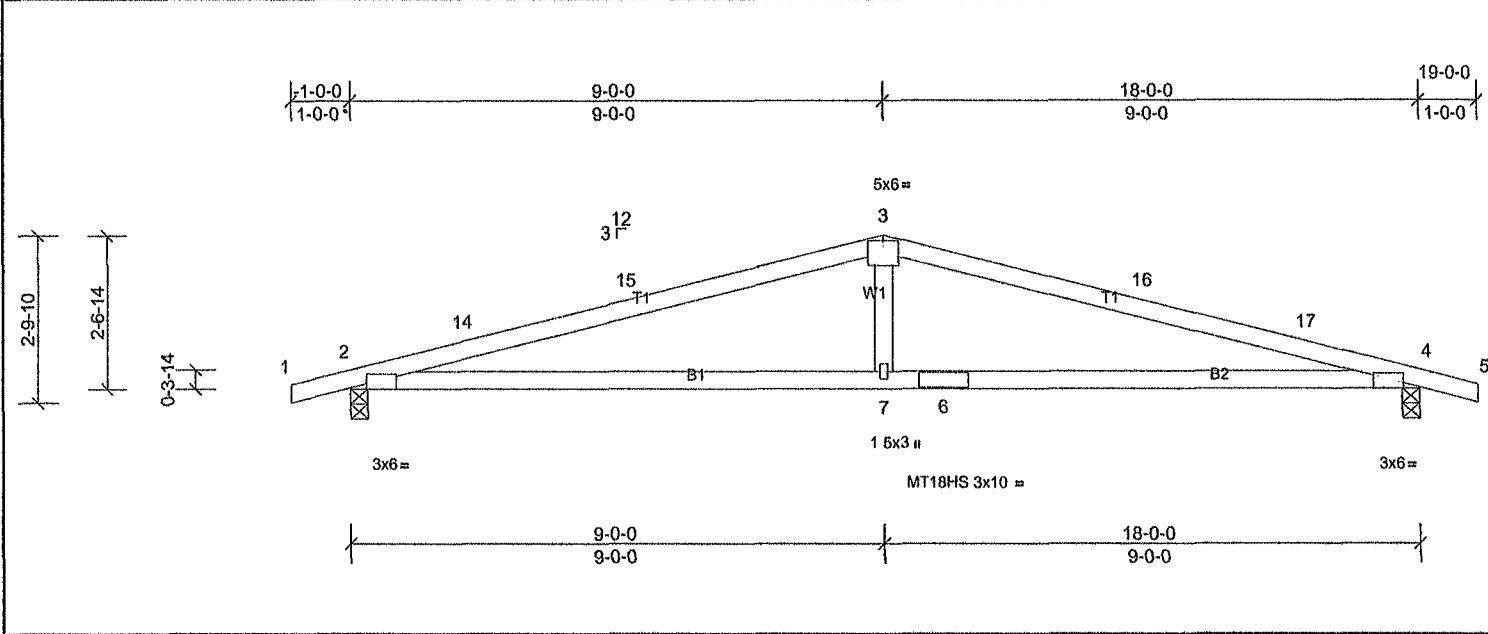
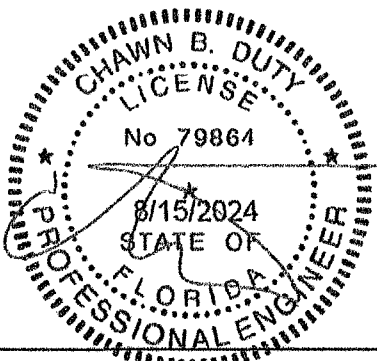


Plate Offsets (X Y)		[2-0-3-4 Edge], [4-0-3-4, Edge]	
Loading	(psf)	Spacing	2-0-0
TCLL (roof)	20.0	Plate Grip DOL	1.25
TCDL	10.0	Lumber DOL	1.25
BCLL	0.0*	Rep Stress Incr	YES
BCDL	10.0	Code	FRC2023/TPI2014
		CSI	TC
		DEFL	in (loc) l/defl L/d
		Ver(LL)	0.28 7 10 >761 240
		Ver(CT)	-0.42 7-10 >518 180
		Horz(CT)	0.04 4 n/a n/a
			Weight 61 lb FT = 20%

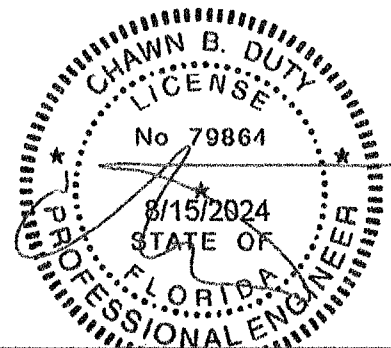
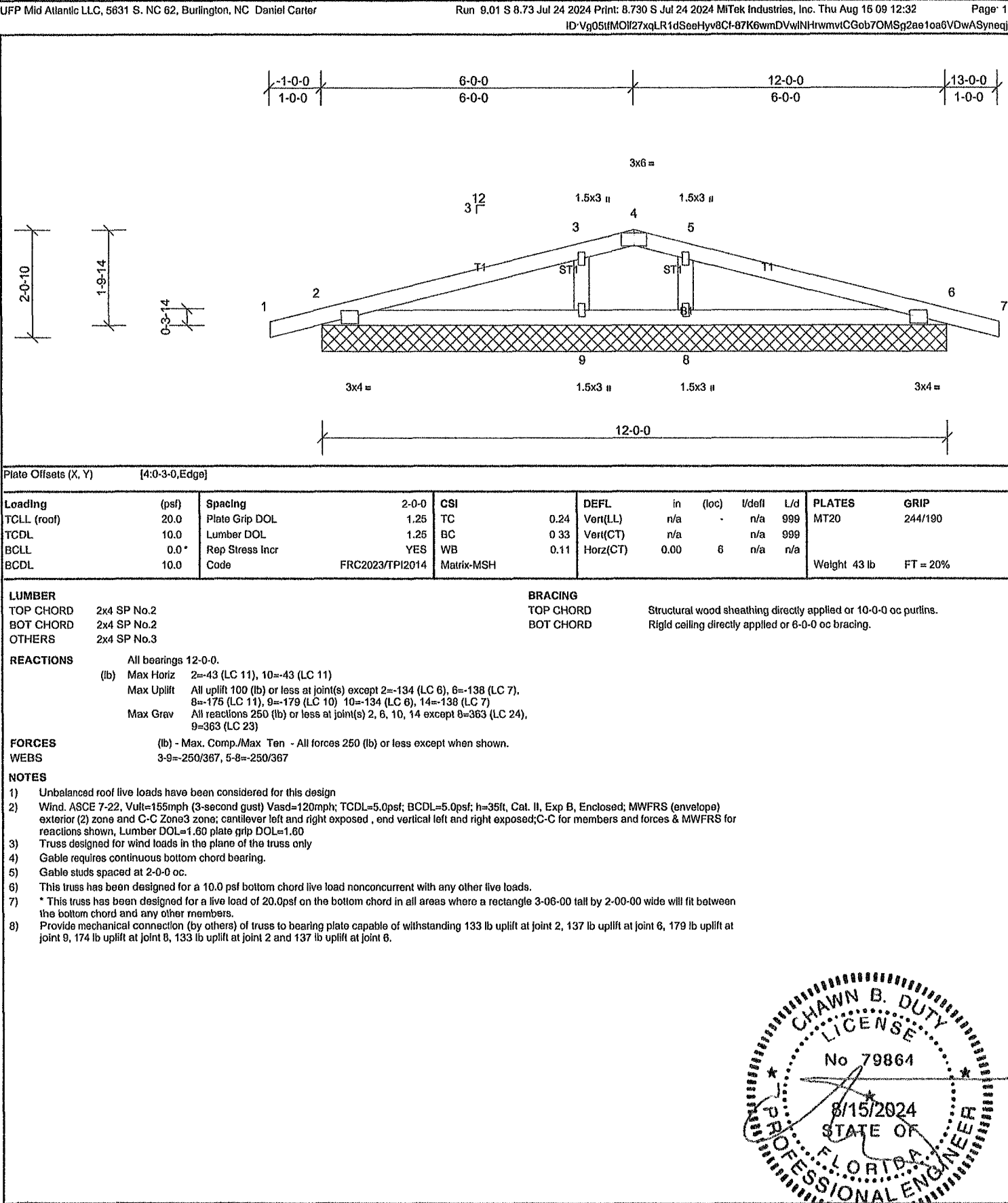
LUMBER		BRACING	
TOP CHORD	2x4 SP No.1	TOP CHORD	Structural wood sheathing directly applied
BOT CHORD	2x4 SP No.1	BOT CHORD	Rigid ceiling directly applied or 5-7-13 oc bracing.
WEBS	2x4 SP No.3		
REACTIONS			
	(lb/size)	2=780/0-3-8, (min 0-1-8), 4=780/0-3-8, (min 0-1-8)	
	Max Horiz	2=61 (LC 10)	
	Max Uplift	2=345 (LC 6) 4=345 (LC 7)	
FORCES		(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD		2-14=-1744/1072, 14-15=-1704/1079, 3-15=-1703/1089, 3-16=-1703/1089, 16-17=-1704/1079, 4-17=-1744/1072	
BOT CHORD		2-7=-929/1654, 6-7=-929/1654, 4-6=-929/1654	
WEBS		3-7=-14/420	
NOTES			
1) Unbalanced roof live loads have been considered for this design.			
2) Wind ASCE 7-22, Vult=155mph (3-second gust) Vasd=120mph: TCDL=5.0psf: BCDL=5.0psf; h=35ft; Cat. II, Exp B, Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-0-0 to 2-0-0 Zone1 2-0-0 to 4-9-1 Zone2 4-9-1 to 13-2-15, Zone1 13-2-15 to 16-0-0, Zone3 16-0-0 to 19-0-0 zone; cantilever left and right exposed, end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown Lumber DOL=1.60 plate grip DOL=1.60			
3) All plates are MT20 plates unless otherwise indicated			
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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.			
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 345 lb uplift at joint 2 and 345 lb uplift at joint 4			



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBGA and Truss Plate Institute



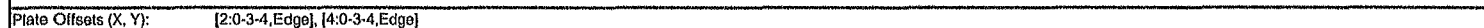
Job	Truss	Truss Type	Qty	Ply	HM DEPOT/T278392 RF
72425794	T3	Truss	1	1	Job Reference (optional)



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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC Daniel Carter Run: 9.01 S 8.73 Jul 24 2024 Print. 8.730 S Jul 24 2024 MiTek Industries, Inc. Thu Aug 15 09:12:32 Page
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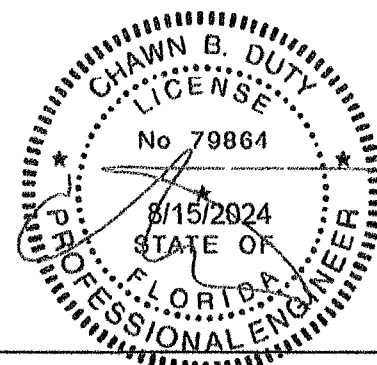


LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-11-9 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 5-10-8 oc bracing.
WEBS	2x4 SP No.3		

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-13=-1124/981, 3-13=-1101/991, 3-14=-1101/991, 4-14=-1124/981
BOT CHORD	2-6=-830/1068, 4-6=-830/1068
WEBS	3-6=-54/270

NOTES

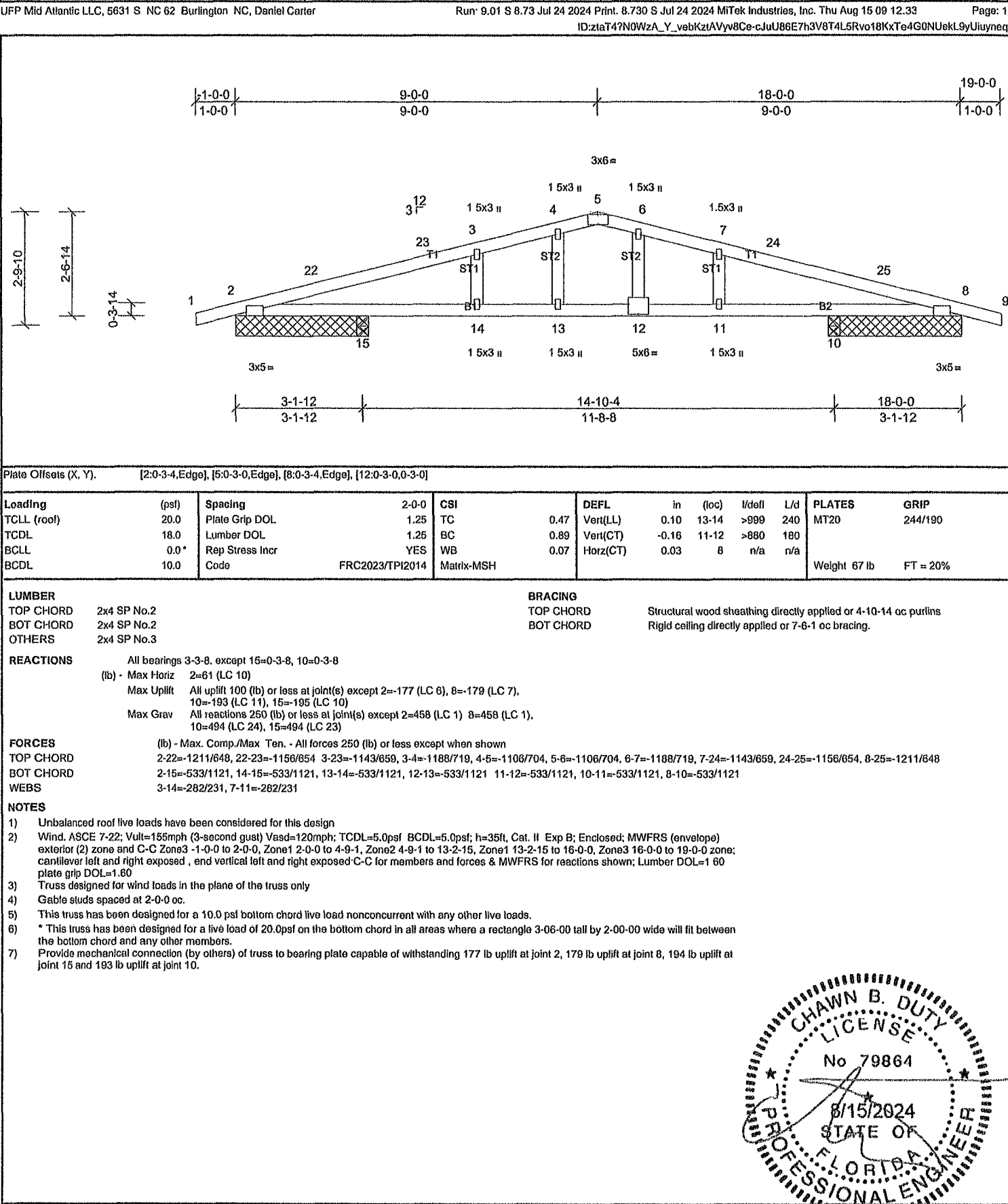
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- 2) Wind: ASCE 7-22 Vult=155mph (3-second gust) Vasd=120mph, TCDF=5.0psf; BCDL=5.0psf; h=35ft, Cat. II Exp B, Enclosed; MWFRS (envelope) exterior (2 zone and C-C Zone3 -1.0-0.0 Zone2 2.0-0.0 to 10.0-0. Zone3 10.0-0.0 to 13.0-0.0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown, Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 253 lb uplift at joint 2 and 253 lb uplift at joint 4



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Job	Truss	Truss Type	Qty	Ply	HM DEPOT/T278392 RF
72425794	T5	Truss	1	1	Job Reference (optional)



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