

RE: P20-08023 - 475 McARTHUR RD Site Information:

Lot/Block: Project Customer: Project Name:

Subdivision:

818 Soundside Rd Edenton, NC 27932

State

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions);
Design Code: IRC2018/TPI2014
Wind Code: N/A Wind Speed: 130 mph Design Method: User defined

City: Model:

Address:

Roof Load: 40.0 psf

Mean Roof Height (feet): 12

Floor Load: N/A psf Design Program: MiTek 20/20 8.3 Design Method: User defined

Exposure Category: B

110087654W21 NO Truss Name Date

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/FIP 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MITEK's or TRENCO has not independently verified the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs are should wriftly applicability of design parameters and properts, the building design parameters and properts.

The truss drawing(s) referenced above have been prepared by
Truss Engineering Co. under my direct supervision based on the parameters
provided by Longleaf Truss Company.

Truss Design Engineer's Name: Gilbert, Eric
My license renewal date for the state of North Carolina is December 31, 2020.

My license renewal date for the state of North Carolina is December 31, 2020.

SEAL

My Interview of the state of North Carolina is December 31, 2020. Construction of the Constr NGINEER A

August 28,2020

1 of 1

Gilbert, Eric

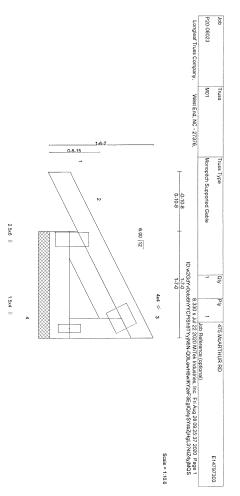


Plate Offsets (X,Y) [2:0-2-8,0-0-3]	-0-3]									
LOADING (psf)	SPACING-	0-0-	CSI.	DEFL.	5	(loc)	l/defi	L		GRIP
Sport (BE/DG) 11 6/15 0		1.15	TC 0.04	Vert(LL)		_	깕	120	MT20	244/190
TCD: (FIFY) 11.0/13.0	Lumber DOL	1.15	BC 0.02	Vert(CT)	-0.00	_	水	120		
100		YES		Horz(CT)	-0.00	4	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014	014	Matrix-P						Weight: 10 lb	FT = 20%
LUMBER-			_	BRACING-						
TOP CHORD 2x4 SP No.1			_	Ö	Sheathed I	or 1-7-0	oc pur	ins, except	Sheathed or 1-7-0 oc purlins, except end verticals.	
BOT CHORD 2x4 SP No.1			_		Rigid cellin	o direc	ly appl	Rigid ceiling directly applied or 10-0-0 oc bracing	oc bracing.	

(size) 4=1-7-0, 2=1-7-0 Max Horz 2=35(LC 9) Max Uplift 4=-9(LC 9), 2=-26(LC 12) Max Grav 4=46(LC 24), 2=126(LC 2)

WEBS

2x4 SP No.3 Left 2x4 SP No.3 -x 1-6-0

REACTIONS.

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

1) Word: ASCE 7-16; Welt=130mph (3-second gust) Vasce*103mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B-42ft; L=24ft; eave=2ft; Cat.

1) LEG 9: Enclosed; MWFRS (diectorial); cardisver let and gift exposed; end velocial let and right exposed; Lumber DCL=1.50.

piles (yp) DCJ=1.00

2) Trass designed for whol loads in the plane of the trass only. For studs exposed to wind (normal to the face), see Standard Industry

Cable End Delais as sepicialles or consult qualified building designer as per ANSITIP 1.

3) TCLL: ASCE 7-16; Pr=20.0 psf (nort) L: Lum DCL=1.15 Plane DOL=1.15); Fg=15.0 psf; Pd=11.6 psf (Lum DOL=1.15 Plane

DCL=1.15); Fg=16.0 psf (nort) L: Lum DCL=1.15 Plane DCL=1.15); Fg=15.0 psf; Pd=11.6 psf (Lum DCL=1.15 Plane

DCL=1.15); Fg=16.0 psf (nort) L: Lum DCL=1.15 Plane DCL=1.15); Fg=15.0 psf; Pd=11.6 psf (Lum DCL=1.15 Plane

DCL=1.15); Fg=16.0 psf (nort) L: Lum DCL=1.15 Plane DCL=1.15); Fg=15.0 psf; Pd=11.6 psf (Lum DCL=1.15 Plane

DCL=1.15); Fg=16.0 psf (nort) Lim DCL=1.15 Plane

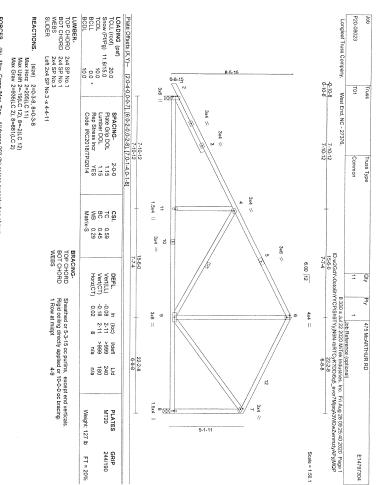
DCL=1.15); Fg=16.0 psf; DCL=1.0 psf (nort) Lim DCL=1.15 Plane

DCL=1.15); Table scale scale designed for a Lim DCL=1.15 psf (nort) Lim DCL



MARNING - Werly design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIN 1717 nr. 5/19/2070 BEFORE USE.
Design walled by use only with Mit-80 connection. This design is based only one parameters above, and is for an indeviation basings component, not
a usus ayatem. Basine use the bushing designed must weigh the applicability of seasy lamenters and propoly in corporate its design after in the event
autising design. Design indexed to proved shoulding of individual house was about 0 mode mineses only. Auditional temporary and parameter that advang
a required for shading well to prevent equality with 1870 personal purply and 1970 personal purplement of the purplement of 1970 personal purplement purpleme

ENGINEERING BY 818 Soundside Road Edenton, NC 27932



FORCES. (b) - Max. Comp.Max. Ten. - 4.1f cross 250 (b) or less except when shown. TOP CHORD 2.4=-1348/28, 4.6=-69976, 6.7=671/76, 7.8=824/36 BOT CHORD 2.11=0/1110, 9.11=0/1110 WEBS 4.11=0/229, 4.9=688/64, 6.9=0/259, 7.6=0/629

- i) Unbalanced roof live loads have been considered for his design.

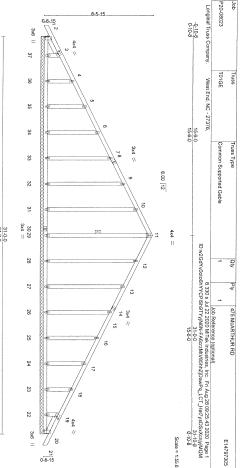
 2) Wind. ASCE 7.16, which 130m is deserved years in the design.

 2) Wind. ASCE 7.16, which 130m is deserved years in the property of the p



MARRING - Wilfy design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIN-TAT INK. STIP2020 BETORE USE. Obeyin wild for open by mit hat ded connector. This design is based only open parameters shown, and is for an individual building compount, not obeyin wild the basing steps time, and will be page to the page of the basing steps time, and will be page to the basing steps time, and will be page to the page of the basing steps time and will be paged by the page of the basing steps to the page of the page of the basing steps to the page of the p

ENGINEERINA HA 818 Soundside Road Edenton, NC 27932



LUMBER. BACKING. TOP CHORD 244 SP No.1 TOP CHORD 244 SP No.1 BOT CHORD 244 SP No.1 OTHERS 244 SP No.3 SLIDER Left 224 SP No.3 x 1-6-13, Right 2x4 SP No.3 x 1-6-13 WEBS I Row at midpt 11-29	Plate Offsets (X/)-
Sheathed or 6-0 Rigid ceiling dire 1 Row at midpt	-0.00 -0.00
0 oc purlins. ctly applied or 10-0-0 11-29	Vdefl L/d n/r 120 n/r 120 n/a n/a
0 oc bracing.	PLATES MT20 Weight: 200 lb

GRIP 244/190 FT = 20%

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

- Vulnitarized roof live loads have been considered for this design.

 Vulnitarized roof live loads have been considered for this design.

 2) Wind ASCE 7-16, Vuln-150mph (Second gust) Vasion (Simph), TODL=6 Opst; h=12t; B=45t; L=3tt; L=ave=2t; Cat. I; Exp. B, Drobsect, MVRRS (directional), catalities of the Tod proposed control vertical left and right exposed. Lumber DOL=150 pile gift DOL 16 (directional), catalities of the Tod proposed to wind (normal to the face), see Standard Industry OTHSS exampled for wind loads in the plane of the truss only. For study exposed to wind (normal to the face), see Standard Industry OTHSS exampled for wind loads in the plane of the truss only. For study examples as per ANSITP1 1.

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MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEX REFERENCE PAGE MINITAL TWY. \$19,200 BEFORE USE.
Orapin what the design may make in the design may be about only upon parameters sharen, and is far in individual building component, not occuping the control of the c

818 Soundside Road Edenton, NC 27932

Plate Offsets (X,Y) [2:0			Longleaf Truss Company,	P20-08023	Job
Plate Offsets (X, Y)- [2:0-2-8, 0-0-7], [3:0-1-13, 0-2-0]	0.8.15 20 3 //	_	West End, NC - 27376, -0-10-8 0-10-8	T01SGE	Truss
	26 CF		15.6-0 15-6-0	GABLE	Truss Type
22-2-8 22-2-8	22	12	8 330 s Ju ID:w2GdYv0oto6hYYCPISh9TY		Qty Ply
	19 18 19 13	4x4 ==	JOO Kellerlerice (Optional) J 22 2020 MiTek Industries, Inc JN6N-8yM7gLPOZMb7AAO_pm 22:2-8 6-8-8	,	475 McARTHUR RD
	5-1-11 5	Scale = 1:51.1	10x2GqYvXoqx6hYYCPISn9TYy)N6N-8yMfgL9CXXbr/2A0_pm Tm9BM7Lu0tSmspNYVqwVy)MQ1 22.28 6.88	E14797306	

LUMBER.
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.3
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 x +6-13 LOADING (psf)
TCLL (roof)
Snow (PfiPg) 11.6/15.0
TCDL 10.0
BCLL 0.0 •
BCDL 10.0 SPACING- 2-0-0
Plate Grip DOL 1.15
Lumber DOL 1.15
Rep Stress Incr YES
Code IRC2018/TPJ2014 CSI. TC 0.14 BC 0.03 WB 0.15 Matrix-S BRACING-TOP CHORD BOT CHORD WEBS DEFL. Vert(CT) Vert(CT) Horz(CT) -0.00 -0.00 in (loc) l/defl n/r n/r n/a

Sheathed or 6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing. 1 Row at midpt 11-20 L/d 120 120 n/a

PLATES MT20

GRIP 244/190

Weight: 160 lb FT = 20%

REACTIONS. All bearings 272-28.
((B)- Max Horz 2=205(IC 11)
Max Uptin 24 upon 100 b or less at joint(s) 2, 16, 21, 22, 23, 24, 26, 27, 28, 19, 18, 17
Max Grav All reactions 250 b or less at joint(s) 2, 16, 20, 21, 22, 23, 24, 26, 27, 28, 19, 19, 17 FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

1 Unbalanced rod live loads have been considered for this design.

2 Word ACCE 7-16; Vuln=10mph (3-second gust) Vasa=103mph; TCDL=6 topsf; b=12ft, B=45ft, L=24ft, eave=2ft; Cat.

2 Word ACCE 7-16; Vuln=10mph (3-second gust) Vasa=103mph; TCDL=6 topsf; b=12ft, B=45ft, L=24ft, eave=2ft; Cat.

2 Word ACCE 7-16; Vuln=10mph (3-second gust) Vasa=103mph; TCDL=6 topsf; b=12ft, B=45ft, L=24ft, eave=2ft; Cat.

3 Paise gry DQD_e10

3 Paise gry DQD_e10

3 Paise segment for wind loads in the plane of the fuses only. For studs exposed to wind (normal to the face), see Standard Industry

4) TCDL=10 (10 Paise)

4) TCDL=10 (10 Paise)

4) TCDL=10 (10 Paise)

5) Unbalanced store (10 Paise) (10 Paise) (10 Paise)

6) Unbalanced store (10 Paise) (10 Paise) (10 Paise)

6) Unbalanced store (10 Paise) (10 Paise) (10 Paise)

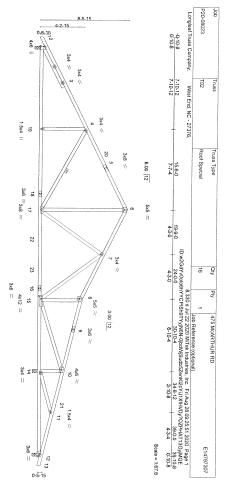
7) Unbalanced store (10 Paise) (10 Paise) (10 Paise) (10 Paise)

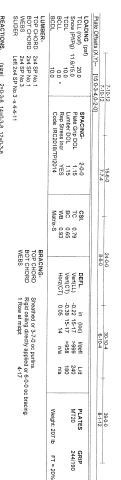
8) Unbalanced store (10 Paise) (10 Paise)



MACHING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEN REFERENCE PAGE MICTAT 1 mr. \$197,020 BEFORE USE.
This year for the energy with intelligencements. This seespin bested only upon parameters above, and is for in included backing component, not
be the property of the page of the pa

A kill by Adhiole 818 Soundside Road Edenton, NC 27932





REACTIONS.

(size) 2=0-3-8, 14=0-3-8, 12=0-3-8 Max Horz 2=-144(LC 10) Max blorz 2=-144(LC 10) Max Opin 2=-21(LC 12), 12=-26(LC 12) Max Grav 2=1371(LC 24), 14=2001(LC 25), 12=196(LC 39)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. TOP CHARD. 2-42-213033, 46=-143777, 67=-406958, 74=-177481, 8-10=-1604/25, 10-11-1709, 11-22-051, 11-10-1709, 11-22-051, 11-10-1709, 11-22-051, 11-10-1709, 11-22-051, 11-10-1709, 11-22-051, 11-11-1709, 11-22-051, 11-11-1709, 11-22-051, 11-11-1709, 11-22-051, 11-11-1709, 11-22-051, 11-11-1709, 11-1709, 11-22-051, 11-11-1709, 11-1709, 11-1709, 11-1709, 11-1709, 11-1709, 11-1709, 11-1709, 11-

- I) Unbalanced roof live loads have been considered for his design.

 2) Wind: ASCET. 7: 8, Wint = 100 mpl. Second gusty Vasas 100 mpl. TODL=6,0 pst; BCDL=6 topst; h=12t; B=45t; L=38t; eave=5t; Cat.

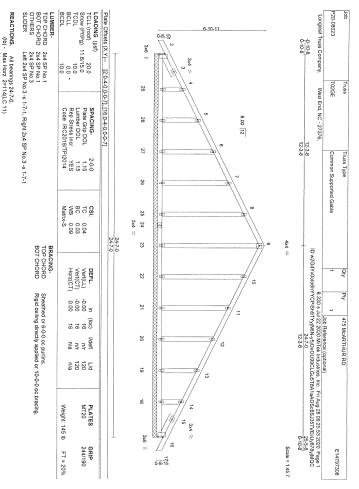
 II. Exp. B. Enclosed: MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1,50 pat epip DOL=16.

 3) TCLL—ASCET. 7: B Fr22D topst (coof LL: Lum DOL=1,15 plate DOL=1,15); p=15.0 pat; pf=11.6 pst; (Lum DOL=1,15 plate DOL=1,15); p=15.0 pat; pf=11.0 pst; (Lum DOL=1,15 plate DOL=1,15); p=15.0 pat; pf=11.0 pst; (Lum DOL=1,15 plate DOL=1,15); p=15.0 pst; (Lum DOL=1,15 plate DOL=1,15



MARQUAD FOR VIETY design parameters and READ NOTES ON THIS AND INCLUDED MITEX REFERENCE PAGE MITATI NV. \$19,000 BEFORE USE.
THEY WAS USE ONLY WITH MITES CONNECTED. THE ASSISTS IN SEASON YOU ONLY PARAMETERS AND PAGE AND IN THE YEAR OF THE ASSISTS IN THE ASSISTS IN THE ASSISTS IN THE YEAR OF THE YEAR

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REACTIONS. All bearings 24-7-0.
(ID)- Max Horz Zerl'14(C. 11)
Max Upin Zerl'14(C. 11)
Max Upin Zerl'14(C. 11)
Max Upin All upin 100 bor less at joint(s) 2, 25, 26, 27, 28, 29, 22, 21, 20, 19, 18
Max Grav All reactions 250 b or less at joint(s) 2, 23, 25, 26, 27, 28, 29, 22, 21, 20, 19, 18, 16

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

NOTES.

1) Under Cord (live loads have been considered for this design.

1) Under Cord (live loads have been considered for this design.

2) Wind. ACCE 7-16; Vuln=10:niph (5-second gust) Vasa=10:niph; TCDL=6 Opst; b=2(1)=6 Opst; b=12(1)=8-45ft; L=25ft; eaw=2(1); Cat.

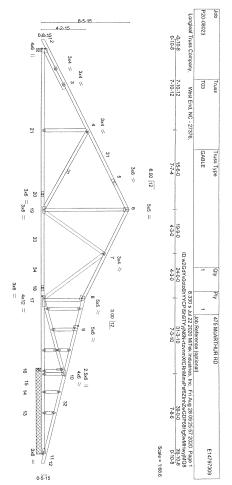
2) Wind. ACCE 7-16; Vuln=10:niph (5-second gust) Vasa=10:niph; TCDL=6 Opst; b=10 vertical find right exposed; Lumber DOL=1 60 Design of the Wind Loads in the plane of the fusas only. For studs exposed to wind (normal to the faze), see Standard industry Design of Values (as opst) and the values of Values (as opst) and the Values (as opst) and (as o

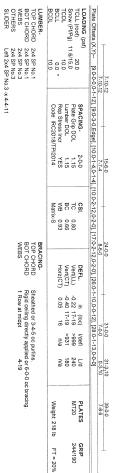


AM AND INVEST When the previous and READ ANTES ON THIS ALLO INCLUDED MATEX RETERENCE FACE WAS THE AM STRONG ESCREAM.

Dearly need for use only was Mindes connectors. This despit is based only your parameters amont, and it is not included building component, not
use a system. Before use, the calledge despire may wright applicability of despip parameters and properly proposed that desdight into the evental
is always required for sharpy and to previous calledge with parameters and properly proposed that desdight into the evental
is always required for sharpy and to previous calledge with parameters and trush by previous and properly parameters and trush by the intervent with the properly durings. If the granting destinors a was for the previous and the previous an

A Miles Affina





REACTIONS. (lb) -

All basings 6-3-8 except (j=length) 2=0-3-8.
New Hort 2=-44(L) C 12)
New Hort 2=-44(L) C 12)
New Hort 3= 14 (11 except 15=-172(LC 12)
New Lipitt All upitt 10.0 bror less at joint(s) 2.14, 11 except 15=-172(LC 24), 15=1292(LC 2), 16=576(LC 7), 16=576(LC 7

FORCES. (ib) - Max. Comp./Max. Ten. - All forces 250 (ib) or less except when shown.
TOP CHARD 2-4-21963/3, 4-6-1569/7, 6-7-417366, 7-6-200290, 8-10-1820/4, 10-11-0/533
BOT CHARD 2-2191969, 192-1-901969, 171-9-0/505, 16-17-459/13, 15-16-459/13,
14-15-459/13, 13-14-459/13, 11-13-459/13
14-15-459/13, 13-14-459/13, 11-13-459/13
4-21-0/34, 4-19--2598, 6-19-0/969, 7-19-4437/2, 7-17-8/453, 8-17-7/16/89,
10-17-0/2280, 10-15-1654/87

- In Landaud rout ine loads have been considered for tils design.

 When AGGET, 16, When 120mph (Seezond gust) Master 120mph. ToDu-6 Opet, 180Db-6 Opet, 1918 Heappead; Lumber DoU-1, 50 per 100mph. ToDu-6 Opet, 190mph. Seezond gust) Master 190mph. ToDu-6 Opet, 190mph. Seezond gust) Master 190mph. Seezond gust 190mph. Seezond Gus

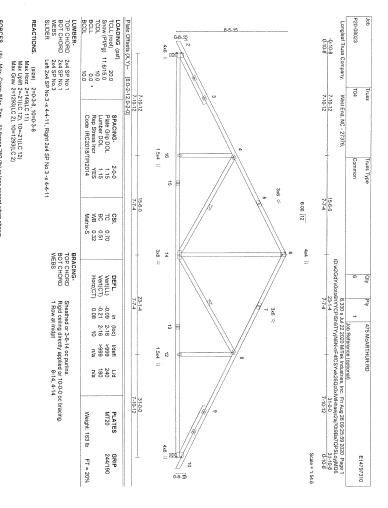
- (t=b) 15=172.

 This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R502.10.2 and relevenced standard ANS/TPI 1.



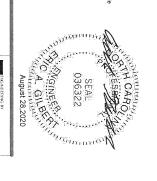
MARHAMON - Verry design persentes and READ DOTES ON HIS AND INCLUDED METER RETERENCE PACE MANTH AT HE STRANGE GENE CER.
Design until or use only and Wirde Connector. This design is based only your parameters shown and it is not invidend basings quantities and page by the page of the strange of the strange

818 Soundside Road Edenton, NC 27932



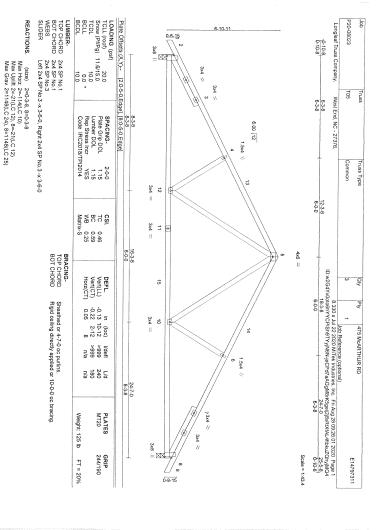
FORCES. (Ib) - Max. Comp. Max. Ten. - All forces 250 (Ib) or less except when shown. TOP CHORD. 2-4-2067/31, 4-6-1453/79, 8-14-2067/31, 8-176-207/38, 10-12-07/38

- 1) Wind-lanced rod/live loads have been considered for this design
 2) Wind: AGCE 7-16; Vuil=10mph (Section glust) Vasde-100mph; 15 CDL=6 Opst; h=12ft; B=45ft; L=31ft; eave=4ft; Cat.
 2) Wind: AGCE 7-16; Vuil=10mph (Section glust) Vasde-100mph; 15 CDL=150
 2) Wind: AGCE 7-16; Vuil=10mph (Section glust) Vasde-100mph; 15 CDL=150
 2) Wind: AGCE 7-16; P=20 Opst (cod LL Lum DOL=1,15 Plate DOL=1,15); P=15 Opst; P=11.6 pst (Lum DOL=1,15 Plate DOL=1,15); P=10 OL=1,15; P=1



MARKING - Walfy design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIN-171 rev. 5/19/20/0 BEFORE USE. Obergy must be the use only mith Mire do consectors. This seepin is based only use parameters shown, and is for an infectional building composent, not be supported to the building design from the work of the parameters and properly composents design on the towards a state proper of the building design from any off the parameters and properly composents design on the overall a building state to the proper design of the building design of the overall and the property of the parameter of th

818 Soundside Road Edenton, NC 27932



i) Unbalanced roof live loads have been considered for this design.

2) Wind. ASCE 7.16, White 120mpt Operations and advantage of the service of the service

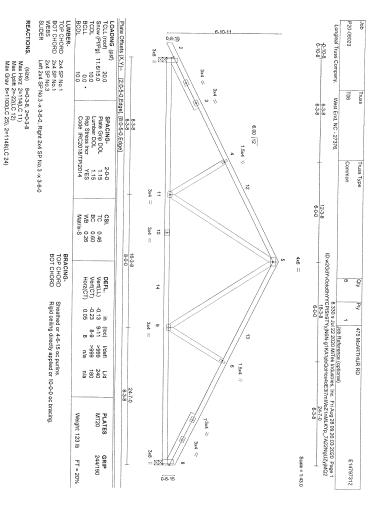
FORCES. (ib) - Max. Comp./Max. Ten. - All forces 250 (ib) or less except when shown. TOP CHORD 2-4=172/842, 45=157167, 56=157167, 66=1722/842 BOT CHORD 2-4071259, 0+2-207068, 8-100-17068, 9-100088, 9-100088, 9-100088, 9-100088, 9-100088, 9-100088, 9-100088, 9-100088, 9-100088, 9-100088, 9-1



MARANIA ("Notify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIXTI TW. STR2020 BEFORE USE.

MARANIA ("Note only with lat five Connectors. This seepin bases only upop parameters shown, and is for an individual building composent, not only years (see only with lat five Connectors. This seepin bases only upop parameters and proporty composents to design from the connector of the conn

BIS Soundside Road
Edenton NO 27952

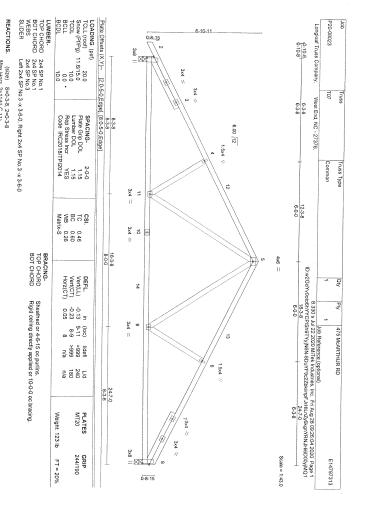


MARRING I Volly design parameters and READ NOTES ON THIS AND INCLUDED MITEX REFERENCE PAGE MINITAT IV.X. X192020 BEFORE USE.
Delign and to use only with lift de Connection. This design is based only your parameters shown, and is for in included building component, not not you have been designed to use you will be a server to be overall a role of the control of the control of the parameters and proposity. You component his design in this to owned it be about greater as the control of the parameters and proposity volumes and the control of th

EMELINIA OF 818 Soundside Road Edenton, NC 27932

1) Juchastoced roof live loads have been considered for this design.
2) Work ASCE 1: 9, Wilet 300,min (2 second quist) Vasar-100,min; COL=6 Opst; BCDL=6 Opst; B+12ft; B+45ft; L=25ft; eave=4ft; Cat. II; ED, B; Enclosed; MWFRS (directions); cantilever left and right exposed; end vertical left expo 036322 036322 OA GILB Anoust 28,2020

PORCES. (ib) - Max. Comp. Max. Ten. - All forces 250 (ib) or less except when shown. TOP CHORD 2.4=172443, 45=157268, 56=157569, 6.8=1727144 BOT CHORD 2.1=17505, 9.1=107069, 9.8=01045 9.8=10450 9.1=10750, 9.1=107069, 9.8=1045 9.8=10450 9.8=10450, 9.8=104109, 9.1=10648, 4.11=302107



(size) 8=0-3-8, 2=0-3-8 Max Horz 2=114(LC 11) Max Uplift 2=-22(LC 12) Max Grav 8=1100(LC 25), 2=1148(LC 24)

1) Unbalanced roof like loads have been considered for this design.
2) Word ASCE 7.16, Vull=120m/h (Cascond gust) Vasar-100m/h; (CDL=6.0psf; BCDL=6.0psf; BCDL=6.0psf; B+12ft; B=45ft; L=25ft, eave=4ft; Cat. II; Ex 9.5 Enclosed: MVFRS (drections)), cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.50 psf; CDL=8.0psf; CDL=8.0psf; CDL=8.0psf; CDL=1.50; Ex 10.0psf; CDL=1.50; Ex 10.0psf

SEAL 036322 WGINER A. GILB A. GILB AH CARO

MARNING: Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIXTAT Yes, \$192000 BEFORE USE, or Sergin with for one only with Nit Add Connectors. This design is based only upon parameters shown, and is for an includual making component, not be used to the control of the control of the page of the control of the control

A Ni lek Alifano

Installing & Bracing of Metal Plate Connected Wood Trusses. Guide to Good Practice for Handling, ANSI/TPIT:
National Design Specification for Metal
DSB-89:
DSB-89:
BUIlding Component Safety Information.
BUILDING Component Safety Information.

industry Standards:

Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

BEARING

by text in the bracing section of the output. Use T or I bracing if indicated. judicated by symbol shown and/or

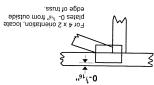
LATERAL BRACING LOCATION

the length parallel to slots. The first dimension is the plate width measured perpendicular to slots. Second dimension is the least the plate at least second dimension is the least second dimension.

 $p \times p$ **PLATE SIZE**

sourware or upon request. Plate location details available in MiTek 20/20

This symbol indicates the required direction of slots in connector plates.





Center plate on joint unless x, y offsets are indicated.
Dimensions are in ft-in-sixteenths, Apply plates to both sides of truss and tully embed teeth.

PLATE LOCATION AND ORIENTATION

Symbols

MITek Engineering Reference Sheet: MII-7473 rev. 5/19/2020 T. BEKCO

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established by others. section 6.3 These truss designs rely on lumber values Lumber design values are in accordance with ANSI/TPI 1

rruss uniess otherwise shown. Trusses are designed for wind loads in the plane of the

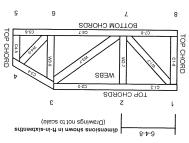
ESR-1311, ESR-1362, ESR-1397, ESR-3282

ICC-F2 Kebous:

PRODUCT CODE APPROVALS

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

JOINTS ARE GENERALLY NUMBEREDILETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.



Numbering System

21.The design does not take into account any dynamic or other loads other than those expressly stated.

20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.

19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.

18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.

17. Install and load vertically unless indicated otherwise.

16. Do not cut or alter truss member or plate without prior approval of an engineer.

12. Connections not shown are the responsibility of others.

14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.

Top chords must be sheathed or purlins provided at spacing indicated on design.

St. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.

11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.

10. Camber is a non-structural consideration and is the responsibility of iruss fabricator. General practice is to camber for dead load deflection.

Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.

Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.

7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.

Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.

Cut members to bear tightly against each other.

4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.

3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.

Truss bracing must be designed by an engineer. For may require braces because to a letter by special braces themselves may require bracens, or alternative Tor I

Damage or Personal Injury Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.

Failure to Follow Could Cause Property

General Safety Notes

68' 5 1/2" 68' 5 1/2" 66' 10 1/2" 46' 11"

ROOF TRUSS LAYOUT

SERVICE BUILDING SUPPLY SANF 4476 Hwy. 21 W West End, NC 27376 (910) 673-4711 Project: 475 McARTHUR RD RUSS CO. Model: HARRINGTON PROP
Lot #: Subdivision:
Circler #: Des P20-08023

NOTE

IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER OR ARCHITECT TO PROVIDE AN APPROPRIATE CONNECTION FOR TRUSSES TO SUPPORTING STRUCTURE PERREACTIONS SHOWN ON TRUSS ENGINEERING, SPECIAL CONSIDERATIONS FOR MECHANICAL EQUIPMENT AND/OR PLUMBING (AND THEIR CONNECTIONS) IN TRUSS SPACE MUST ED LIGHTMENT OF BUILDING ON APPROVED IT RUSS LATOUT PHOR TO FABRICATION.