



01/08/2021

GRADE ELEVATIONS SHOWN DO NOT NECESSARILY REFER TO THIS OR ANY OTHER LOT. THEY ARE FOR DIAGRAMMATIC PURPOSES ONLY AND MAY VARY, BUILDER IS RESPONSIBLE FOR ADAPTING THIS PLAN TO SUIT THE EXISTING TOPOGRAPHY OF THE SITE,

ROOF VENTILATION TO BE DETERMINED BY BUILDER AS PER CODE.

ALL EGRESS OR RESCUE WINDOWS FROM SLEEPING ROOMS MUST HAVE A MIN. NET CLEAR OPENING OF 4.0 SQ FT. THE MIN NET CLEAR OPENING HEIGHT DIMENSION SHALL BE 22". THE MIN NET CLEAR OPENING WIDTH SHALL BE 20".

EACH EGRESS WINDOW FROM SLEEPING ROOMS MUST HAVE A SILL HIGHT OF NO MORE THAN 44" FROM THE FLOOR. ALL WINDOW SIZES ARE NOMINAL AND ARE TO BE VERIFIED WITH MANUFACTURER FOR AVAILABILITY AND CONFORMITY TO STATE AND LOCAL CODE REQUIREMENTS.

PORCHES, BALCONIES, OR RAISED FLOOR SURFACES LOCATED MORE THAN 30" ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDRAILS NOT LESS THAN 32" IN HEIGHT.

I ASSUME NO RESPONSIBILITY FOR ANY DISTANCES AFTER START OF CONSTRUCTION. CONTRACTOR/BUILDER SHALL CONSULT WITH HOME OWNER ON ALL INTERIOR AND EXTERIOR MOLDINGS, TRIMS, COLORS, FINISHES, CABINET LAYOUTS, AND MANUFACTORS BEFORE CONSTRUCTION BEGINS, ALL BEAMS AND FRAMING MEMBERS ARE SIZED BY OTHERS.

1.1 This plan has been drawn to comply with the 2018 NC Building Code

- 1.2 Minimum Design Loads for Building and Other Structures ASCE 7-98
- 2 Roof Dead Load 115 PSF
- 3 Roof Live Load 20 PSF
- 4 Typical Floor Dead Load 10 PSF
- 5 Floor Live Loads
- 5.1 Rooms other than sleeping rooms 40 PSF 5.2 Sleeping Rooms 30 PSF
- 5.3 Stairs 40 PSF
- 5.4 Decks 40 PSF
- 5.5 Exterior Balconies 60 PSF Wind Loads
- 6.1 Ultimate Design Wind Speeds 15 MPH
- 6.2 Wind Importance Factor, IW 1.00
- 6.3 Exposure B
- 6.4 Walls (Component and Cladding) 25 PSF
 6.5 Roofs (Component and Cladding)
 6.5.1 Roof Slopes 2.25/12 to 7/12 34.8 PSF
 - 6.5.2 Roof Slopes 7/12 to 12/12 21 PSF

It is the sole responsibility of the Contractor and/or Builder to conform to all standards, provisions, requirements, methods of construction and uses of materials provided in buildings and/or structures as required by NC Uniform Building Code, Local Agencies and in accordance with good engineering practices. Verify all dimensions prior to construction.



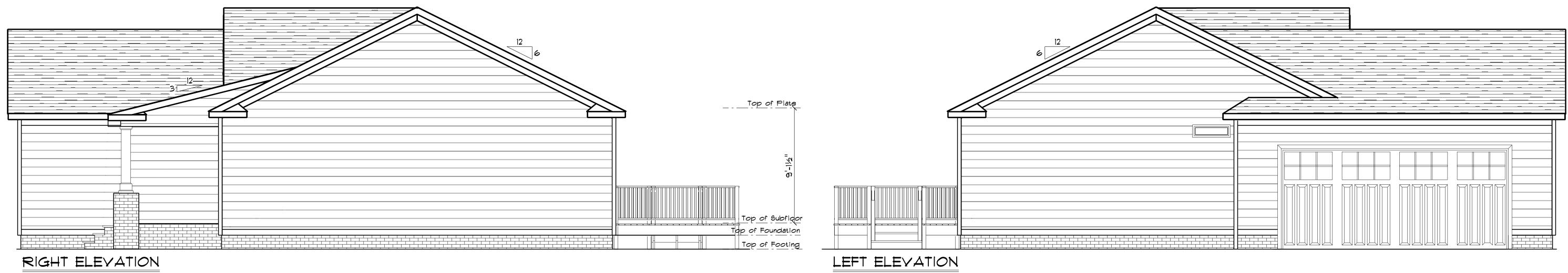
FRONT ELEVATION

SCALE:1'= 1/4"

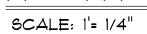


REAR ELEVATION

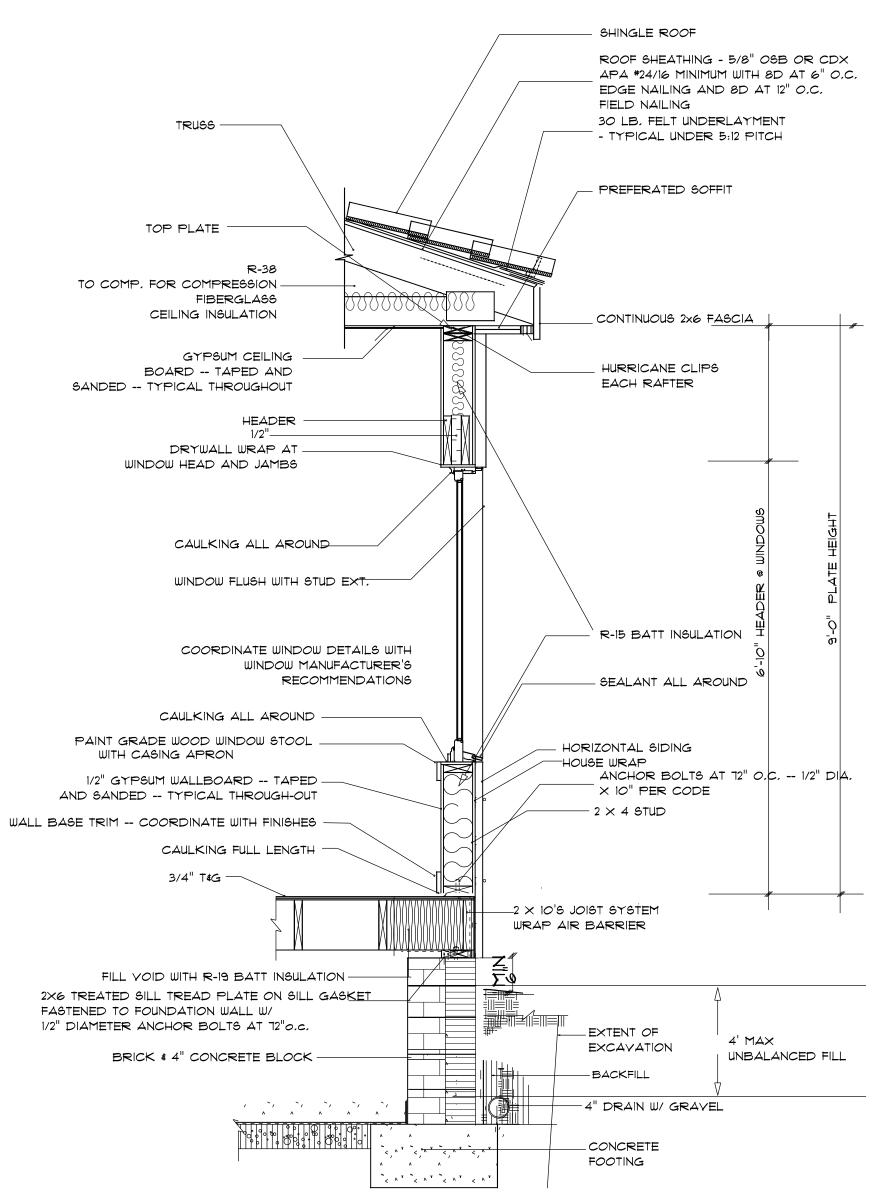
SCALE: 1'= 1/4"



SCALE: 1'= 1/4"

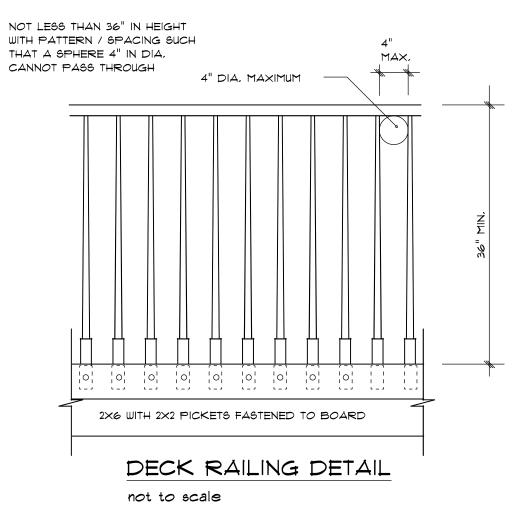


SHINGLE ROOF

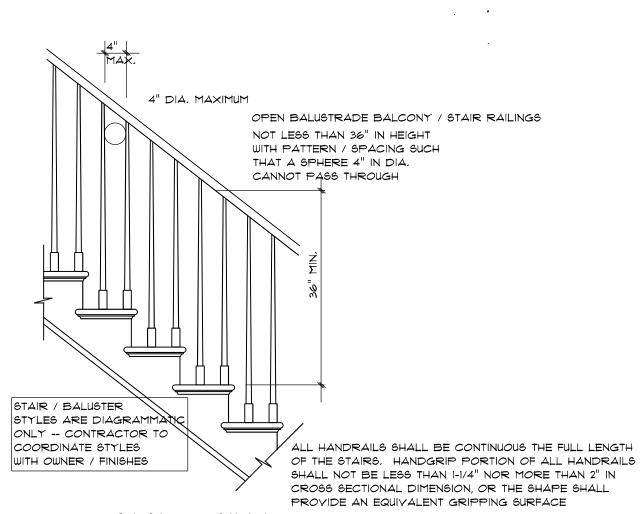


CRAWL SPACE FOUNDATION DETAIL

not to scale

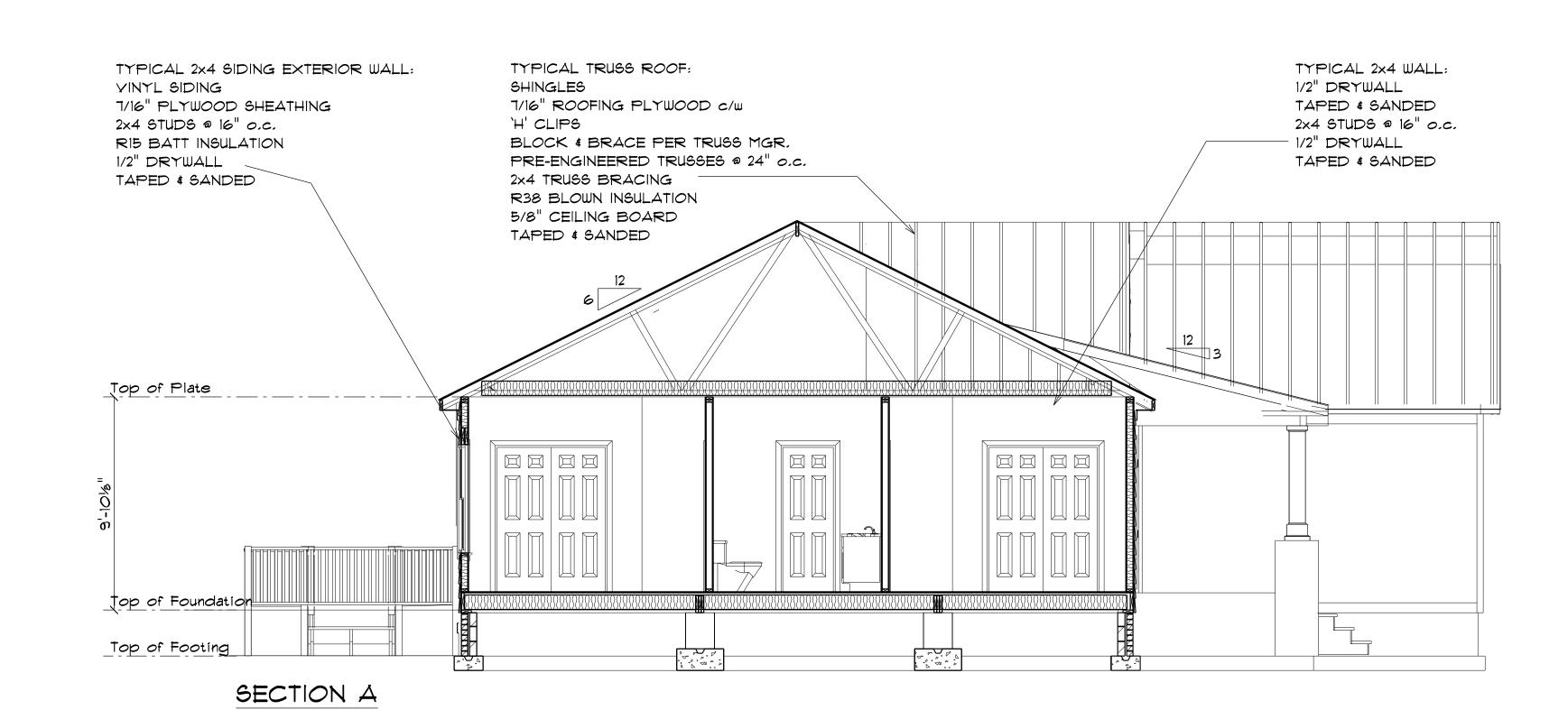


HANDGRIP PORTION OF ALL HANDRAILS SHALL NOT BE LESS THAN 1-1/4" NOR MORE THAN 2" IN CROSS SECTIONAL DIMENSION, OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE

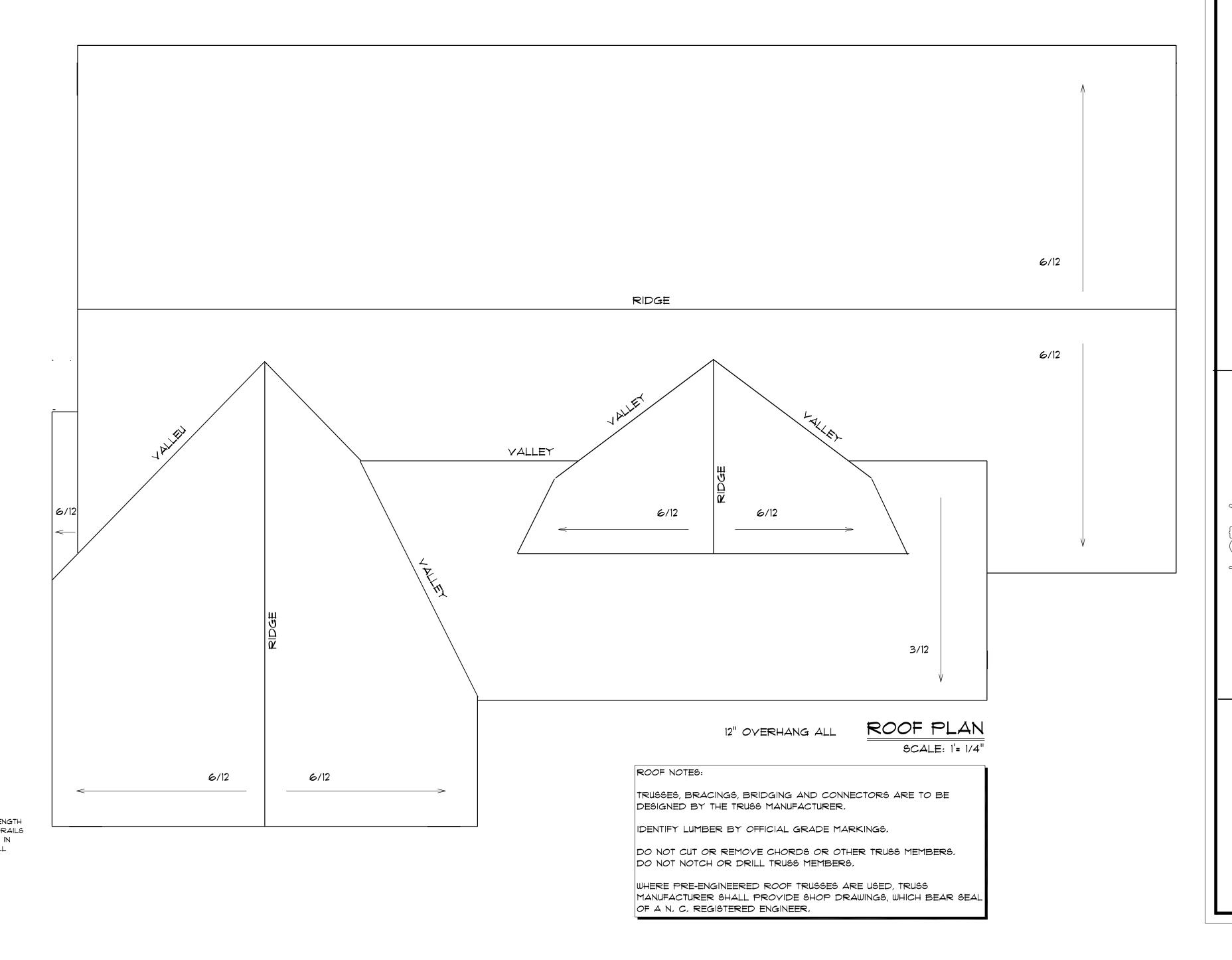


STAIR RAILING

not to scale



SCALE:1'= 1/4"



FOUNDATION NOTES:

ALL FOOTINGS SHALL BEAR ON ORIGINAL UNDISTURBED SOIL. THE 28 DAY COMPRESSIVE STRENGTH OF ALL FOOTINGS IS 3000 PSI

PROVIDE WATER PROOFING AND PERIMETER DRAINS AS REQUIRED.

FOUNDATION CONCRETE MIX TO HAVE 1-1/2" MAX AGGREGATE SIZE, CONCRETE

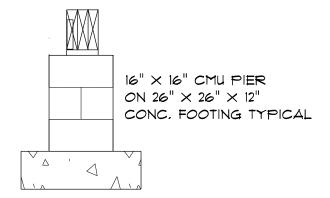
FILL MIX TO HAVE 1/2" MAX AGGREGATE SIZE.

FOOTING WIDTHS ARE BASED ON A LOAD-BEARING SOIL CAPACITY OF 2000 PSI.

PROVIDE 6 MIL POLY VAPOR BARRIER TO COVER GROUND SURFACE IN CRAWL SPACE

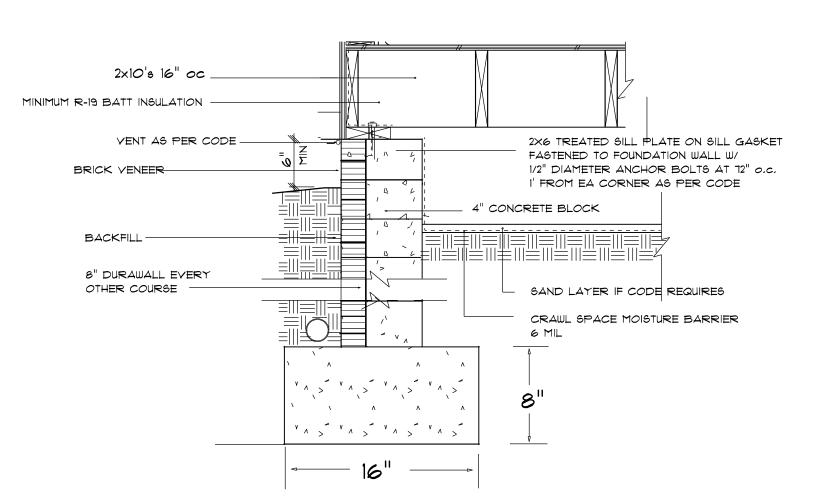
ALL ANCHOR BOLTS TO BE 12" LONG, 1/2" DIA. A36 UNO ANCHOR BOLTS SHALL BE SPACE AT A MAX OF 6' OC AND NO MORE THAN I' FROM EA CORNER.

Termite Soil Treatment: Treat entire slab area soil or crawl space surface before vapor barrier is installed and slab is poured with a state approved termiticide. Termiticide should be applied by a licensed and certified pest control professional by the state of North Carolina.



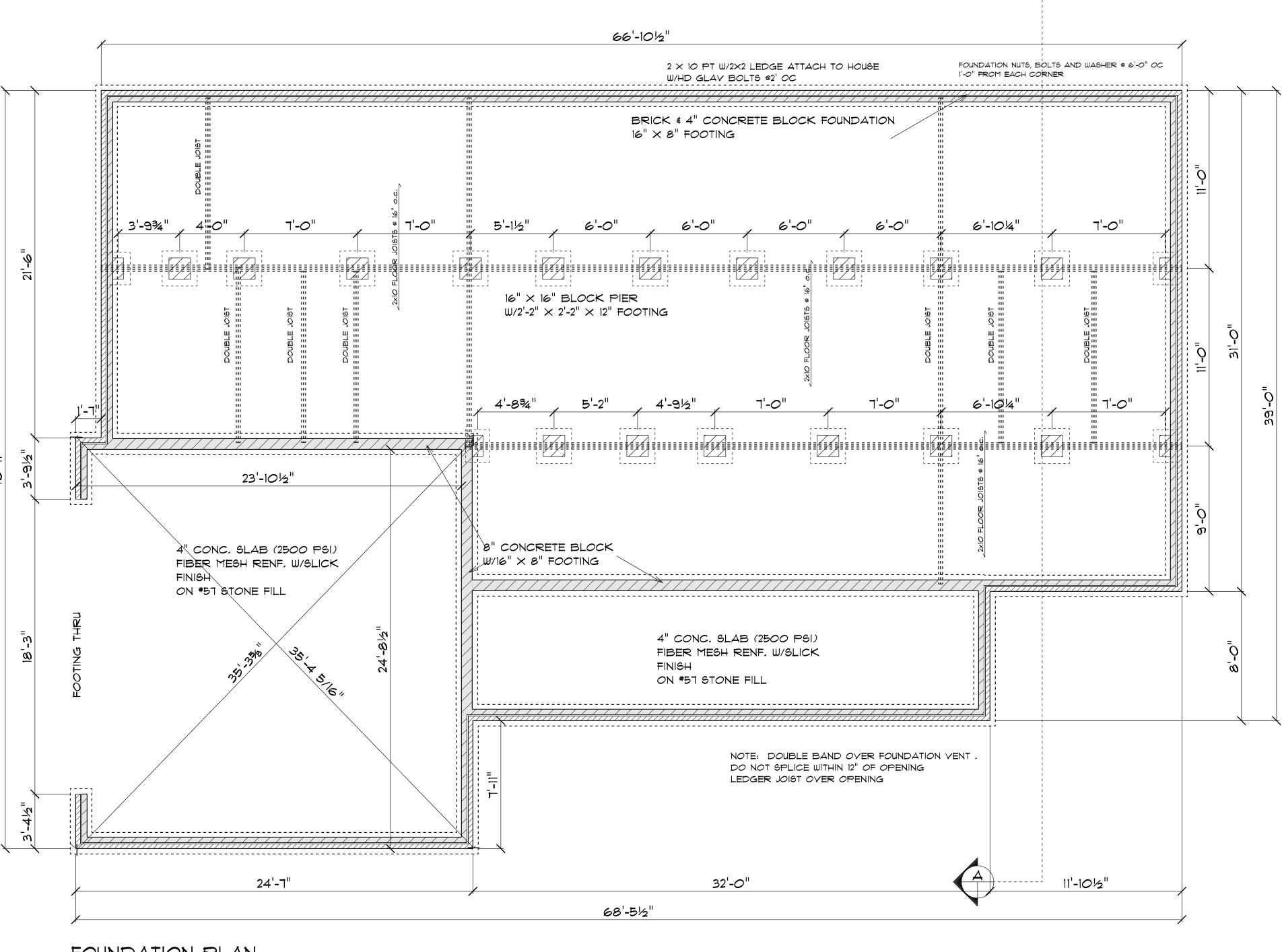
CONCRETE BLOCK PIER DETAIL

NOT TO SCALE



FOOTING & FOUNDATION DETAIL

not to scale



FOUNDATION PLAN

SCALE: 1'= 1/4"

ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED

FRAMING LUMBER SHALL BE SYP *2 GRADE AND/OR SPRUCE PINE FIR *1 AND/OR *2, KILN DRIED.

WHERE PRE-ENGINEERED JOISTS ARE USED, JOIST MANUFACTURER SHALL PROVIDE SHOP DRAWINGS, WHICH BEAR SEAL OF A N.C. ENGINEER.

STUDS AND JOISTS SHALL NOT BE CUT TO INSTALL PLUMBING OR WIRING WITHOUT ADDING METAL OR WOOD SIDE PANELS TO STRENGTHEN THE MEMBER TO ITS ORIGINAL CAPACITY.

NAIL MULTIPLE MEMBERS WITH 2 ROWS OF 16d NAILS STAGGERED 32" OC AN USE 3-16d NAILS 2" IN AT EACH END. DOUBLE ALL STUDS UNDER ROOF POST DOWNS UND.

NAIL FLOOR JOISTS TO SILL PLATE WITH 8d TOE NAILS.

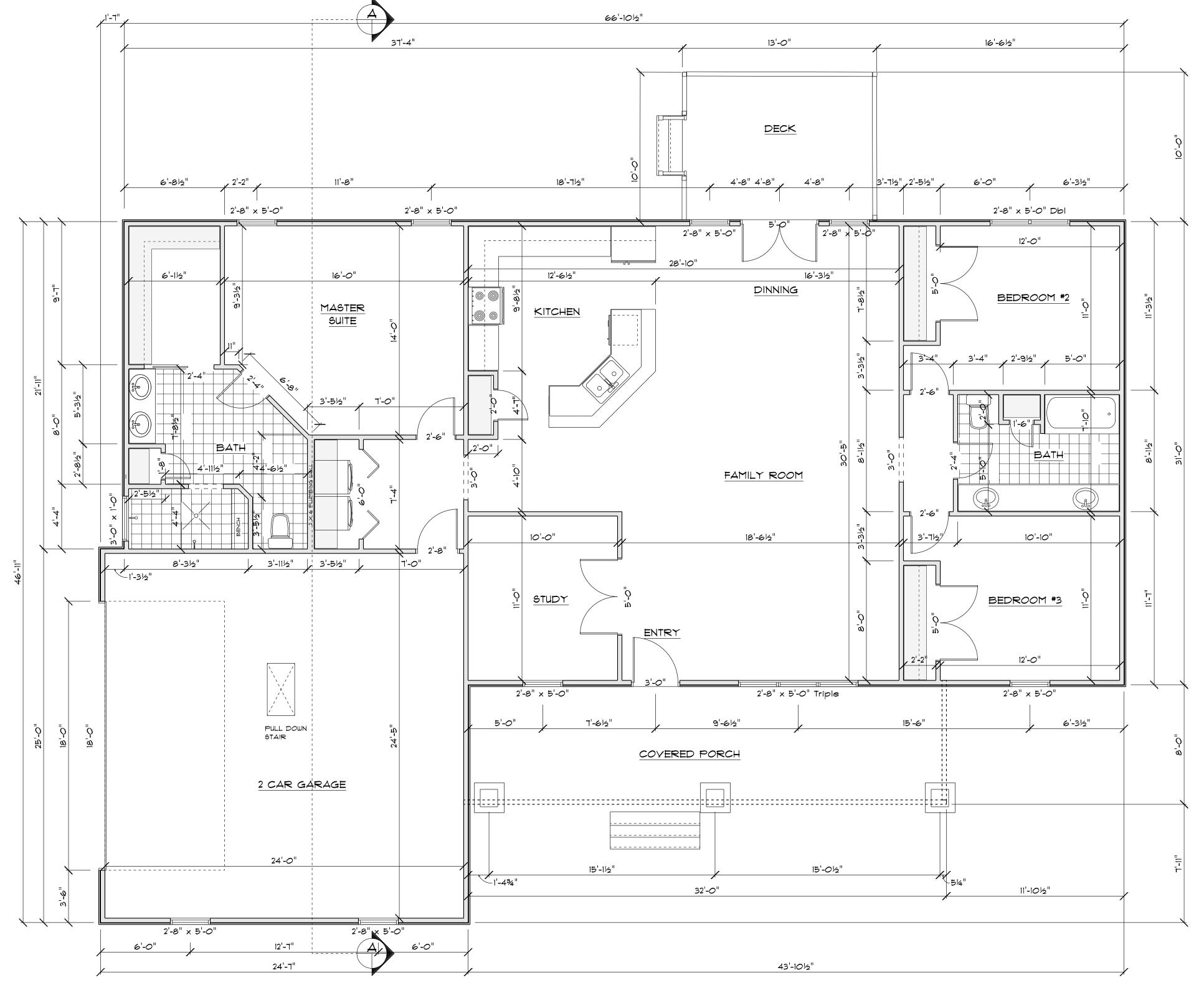
ALL EXPOSED FRAMING ON PORCHES AND DECKS SHALL BE PRESSURE TREATED. PROVIDE WATERPROOFING AND DRAINS AS REQUIRED.

ALL FRAMING TO BE 16" OC UNO. WALL FRAMING DIMENSIONS ARE BASED ON 2 \times 4 STUDS UNO. DOUBLE STUDS UNDER ALL HEADERS.

LYL'S AND TJI'S TO BE SIZED BY OTHERS

EXTERIOR WALLS IN LIVING AREAS ARE 2 X 4

		OPE	NING SCHEDULE
SIZE	HINGE	COUNT	LIBRARY NAME
2'-8"	R	1	Exterior Door\Colonial
5'-0"	LR	1	Exterior Door\French
18'-0"	U	1	Garage
6'-0"	LR	1	Interior Door\Bifold
1'-6"	L	1	Interior Door\Colonial
1'-8"	R	1	Interior Door\Colonial
2'-0"	R	1	Interior Door\Colonial
2'-4"	L	1	Interior Door\Colonial
2'-4"	R	1	Interior Door\Colonial
2'-6"	L	1	Interior Door\Colonial
2'-6"	R	2	Interior Door\Colonial
5'-0"	LR	2	Interior Door\Colonial
5'-0"	LR	1	Interior Door\French
2'-4"	N	1	Interior Door\Pocket
3'-0"	L	1	Manufacturer\Jeld-Wen\Wood Entry\Classic\Oak
2'-8" x 5'-0" Triple	U	1	Window\Double Hung
2'-8" x 5'-0"	U	10	Window\Double Hung
2'-8" x 5'-0" Dbl	UU	1	Window\Double Hung
2'-6" x 2'-6"	UU	1	Window\Double Hung
3'-0" x 3'-0"	UU	1	Window\Double Hung
3'-0" x 1'-0"	N	1	Window\Transom



FLOOR PLAN SCALE: 1'= 1/4"

AREA SCHEDULE			
NAME	AREA		
Heated Sq Ft	1894.1 sq ft.		
Garage Sq Ft	616.7 sq ft.		
Covered Porch Sq Ft	251.0 sq ft.		
Treated Deck Sq Ft	193.7 sq ft.		



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

Model: Lot/Block: Project Customer: Project Name:

City:

Address:

818 Soundside Rd Edenton, NC 27932

Subdivision:

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

Roof Load: 40.0 psf

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

Exposure Category: B

Mean Roof Height (feet): 12 Truss Name Date

110087654W21 NO

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

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 were papitability of the design parameters and properly the objects of the design parameters and properly incorporate these designs, into the overall building design per ANSI/TPI 1, Chapter 2.

1 of 1

Gilbert, Eric

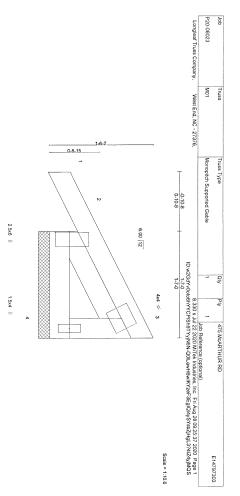


Plate Offsets (X,Y) [2:0-2-8,0-0-3]	-0-3]									
LOADING (psf)	SPACING-	0-0-0	CSI.	DEFL.	5	(loc)	l/defl	Ld		GRIP
Sport (BE/DG) 11 6/15 0		1.15	TC 0.04	Vert(LL)		_	Z/r	120	MT20	244/190
TCD1 (Firey) 11.0/15.0	Lumber DOL	1.15	BC 0.02	Vert(CT)	-0.00	_	D/r	120		
		YES		Horz(CT)	-0.00	4	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014	014	Matrix-P						Weight: 10 lb	FT = 20%
LUMBER-				BRACING-						
TOP CHORD 2x4 SP No.1				Ö	Sheathed of	or 1-7-0	oc puri	ns, except	Sheathed or 1-7-0 oc purlins, except end verticals.	
BOT CHORD 2x4 SP No.1					Rigid ceilin	o direct	ly appli	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 be, or consult qualified building designer as per ANSITPP 1.

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

DCL=1.15); Pile=10; Rough Call B: Printially Exp. Cyc=1.0, C2=1.00; C2=1.00

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

5) This trass has been designed for dry greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 11.6 psf on overhangs

6) Cable requires continuous bottom chord bearing.

7) Gable studes spaced at 2-0-0 c.

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

6) Cable studes spaced at 2-0-0 cs.

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 or 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 the between the bottom chord and any other members.

10) Provide mechanical connection by others of truss to bearing plate capable of withstanding 100 in upfill at joint(s) 4, 2.

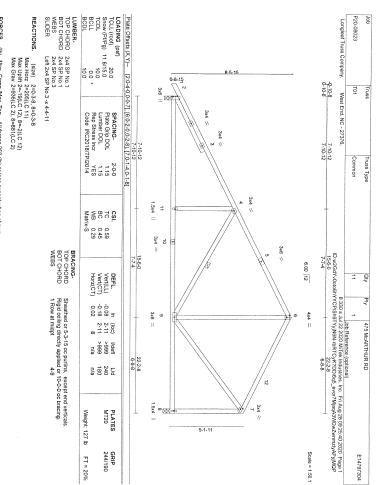
11) This truss is designed in accordance with the 2018 international Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TP1 1.



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 into the overall.

Justing design. Design processed to proved shooting of individual house was about 0 more mineses only. Auditional temporary and parameter to accompany and parameter of accident and accompany and accompany. Successive accompany accompany and accompany and accompany accompany. Successive accompany accompany accompany accompany accompany accompany accompany accompany.

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.

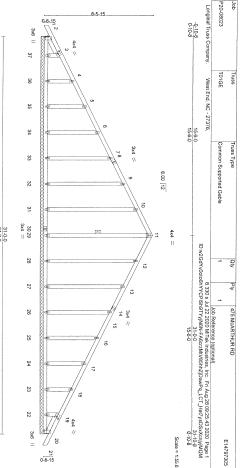
 2) Wind. ASCE 7.16, which 130m is deserved years in the design.

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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 building stepping min, with the page of the page of the building stepping min, with the page of the building stepping min with the page of th

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.

 Thus catalities expended for order that the plane of the truss only. For study examples as per ANSITP1 1.

 OUL + 15 jis. Tod 18 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



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

L/d 120 120 n/a

PLATES MT20

GRIP 244/190

Weight: 160 lb FT = 20%

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

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. (ib) - Max. Comp./Max. Ten. - All forces 250 (ib) 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

4 Paise gry DQD_e10

5 Paise gry DQD_e10

5 Paise gry DQD_e10

6 Paise gry DQD_e10

7 Paise gry DQD_e10

7 Paise gry DQD_e10

8 Paise gry DQD_e10

8 Paise gry DQD_e10

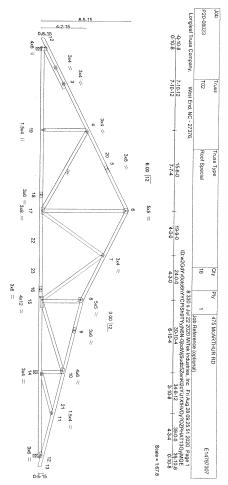
9 Paise gry DQD_e10

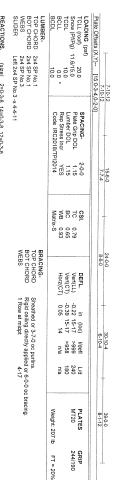
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SEAL O36322

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.

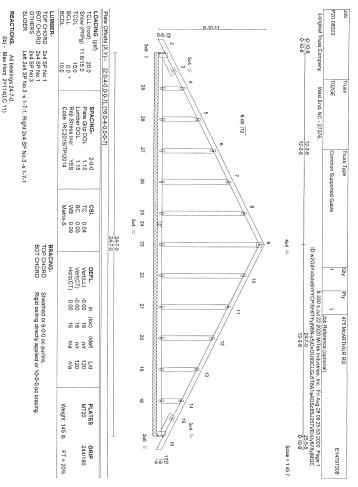
 II. Exp. B. Enclosed: MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1,50 pat epip DOL=16.

 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=20; b=12t; b=45t; L=25t; eaw=2t; Cat.

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

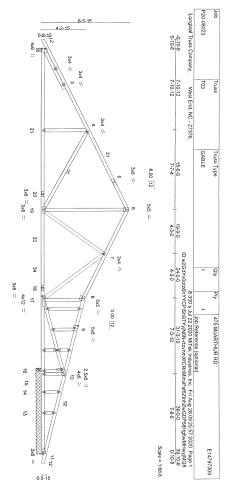
2) Wind. ACCE 7-16; Vuln=10:niph (1-second gust) Vasa=10:niph; condition of the design of ordinary design of the whole of the fuse o

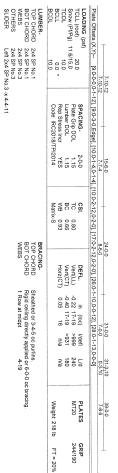


AM AND INVEST When the previous and READ ANTES ON THIS ALLO INCLUDED MATEX RETERENCE FACE WAS THE AM STRONG ESCREAM.

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 parameters of the parameters and trush by the intervent of the parameters and trush by the intervent of the parameters and trush by the intervent and the parameters and trush by the intervent of the parameters and trush by the intervent of the parameters and trush by the parameters and the parameters and trush by the parameters and the parameters and trush by the parameters and the paramet

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

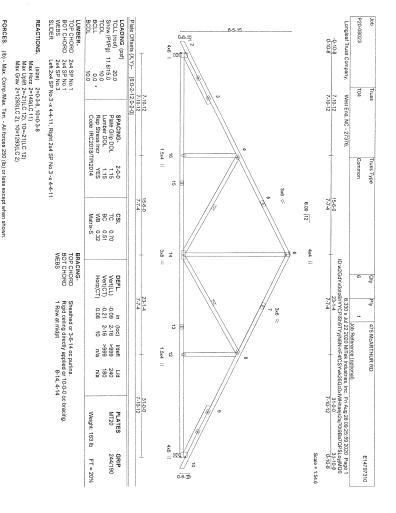
(t=b) 15=172.

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 properly include the strange of the strange of

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, 45=-1453/79, 8-16=-2067/31. 80T CHORD. 2-16-1778, 1-17-8-17788, 1-17-8-177888, 1-17-8-17788, 1-17-8-17788, 1-17-8-17788, 1-17-8-17788, 1-17-8-17788, 1-17-8-177888, 1-17-8-177888, 1-17-8-177888, 1-17-8-17

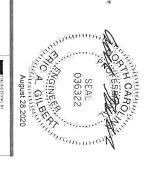
1) Wind-lanced rod/live loads have been considered for this design
2) Wind: AGCE 7-16; Vuil=10mph (Section glust) Vasde-100mph; 15 CDL=6 Opst; h=12ft; B=45ft; L=31ft; eave=4ft; Cat.
2) Wind: AGCE 7-16; Vuil=10mph (Section glust) Vasde-100mph; 15 CDL=150
2) Wind: AGCE 7-16; Vuil=10mph (Section glust) Vasde-100mph; 15 CDL=150
2) Wind: AGCE 7-16; P=20 Opst (cod LL Lum DOL=1.15 Plate DOL=1.5); P=15.0 pst; P=11.6 pst (Lum DOL=1.15 Plate DOL=1.00; P=15.0 pst; P=11.6 pst (Lum DOL=1.15 Plate DOL=1.15); P=10.0 register of min DOL=1.15; Partially Exp.; Ce=1.0 cc=1.0; Cc=1.10
3) Wind: Vasde-10 reset of code (and vasde-10 remembers).

9) Provide mechanical connection (by others) of truss to bearing plate capable of winstanding 100 ib upilit at joint(s) 2, 10.

10) This truss is designed in a code (and vasde-10 remembers).

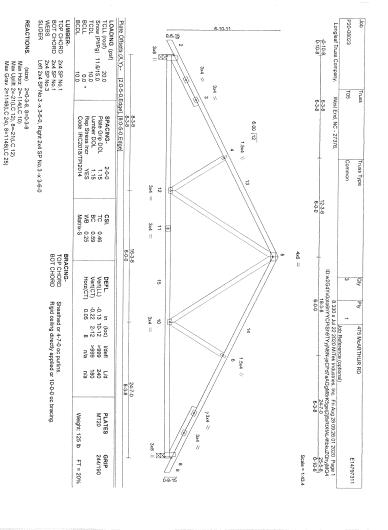
9) Provide mechanical connection (by others) of truss to bearing plate capable of winstanding 100 ib upilit at joint(s) 2, 10.

10) This truss is designed in accordance with the 2018 international Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANS/ITP1 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 and parameter that can be also as the property and parameter that can be also as the property and parameter that can be also as the property and parameter that can be also as a local control of the state of the can be also as the property and parameter that can be also as a local control of the state of the can be also as the property and parameter that can be also as a local can be also as the state of the s





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

2) Wind: ASCET 7.16 Will 1907th (Ascended past Vascerd Gast) Excelled 1907th; 17001=80.0st (BCDL=6.0pst, h=12ft; B=45ft; L=25ft; Bease1ft; Cat. IF, Exp. B. Enclosest. MWFRS (directional); cantilever left and right exposed; and vertical left and right exposed; but the place pro DoL=1.5 Enclosest. MWFRS (directional); cantilever left and right exposed; and vertical left and right exposed; and right exposed; but the place pro DoL=1.5 Feat DoL

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=1722/42 BOT CHORD 2-4=17259, 0-12-00068, 9-100-10068, 9-100-10068, 9-100-100649, 4-12=3027107 WEBS

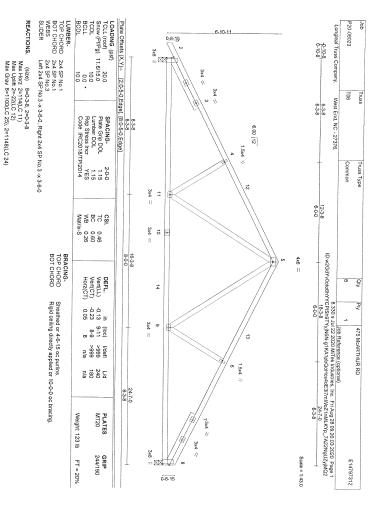


MARANIA ("Notify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIXTI TW. STR2020 BEFORE USE.

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 composent to design of the one of the connection of the connect

BIS Soundside Road

818 Soundside Road
Edenton, No 27932

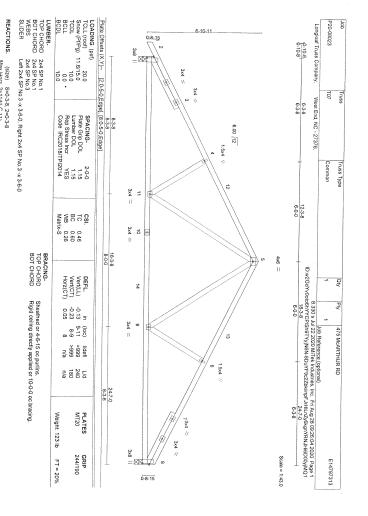


1) Juchastoced roof live loads have been considered for this design.
2) Work ASCE 1: 9, Wilet 300,min (2 second quist) Vasar-100,min; COL=6 Opst; BCDL=6 Opst; B+12ft; B+45ft; L=25ft; eave=4ft; Cat. II; ED, B; Enclosed; MWFRS (directions); cantilever left and right exposed; end vertical left expo 036322 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 9.8=10450, 9.8=104500, 9.8=1045000, 9.8=1045000, 9.8=1045000, 9.8=1045000, 9.8=1045000, 9.8=1045000, 9.8=1045000, 9.8=1045000, 9.8=1045000, 9.8=1045000, 9.8=104

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 abled to design. Beard operated is to server many extended for stable particularly design parameters and server to the parameters to the parameters and the control of the parameters and the paramete

EMELINIA OF 818 Soundside Road Edenton, NC 27932



(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



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

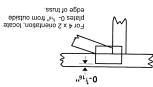
the length parallel to slots. $p \times p$

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.

BZIS BTAJ9

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

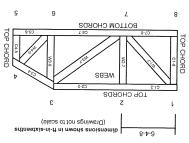
ESR-1311, ESR-1362, ESR-1397, ESR-3282

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.

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.