Job	Truss	Truss Type	Qty	Ply	LEMUS GARAGE
T19-07076	T01	FINK	18	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.310 s Jun 11 2019 Print: 8.310 s Jun 11 2019 MiTek Industries, Inc. Wed Aug 7 08:52:47 2019 Page 1
ID:HQaKVygQk9hm7x39QUqMqayuCX0-13iWJSwqNhDUKTqoLJS?LCIRuuKogl2hcc764lyqIlU

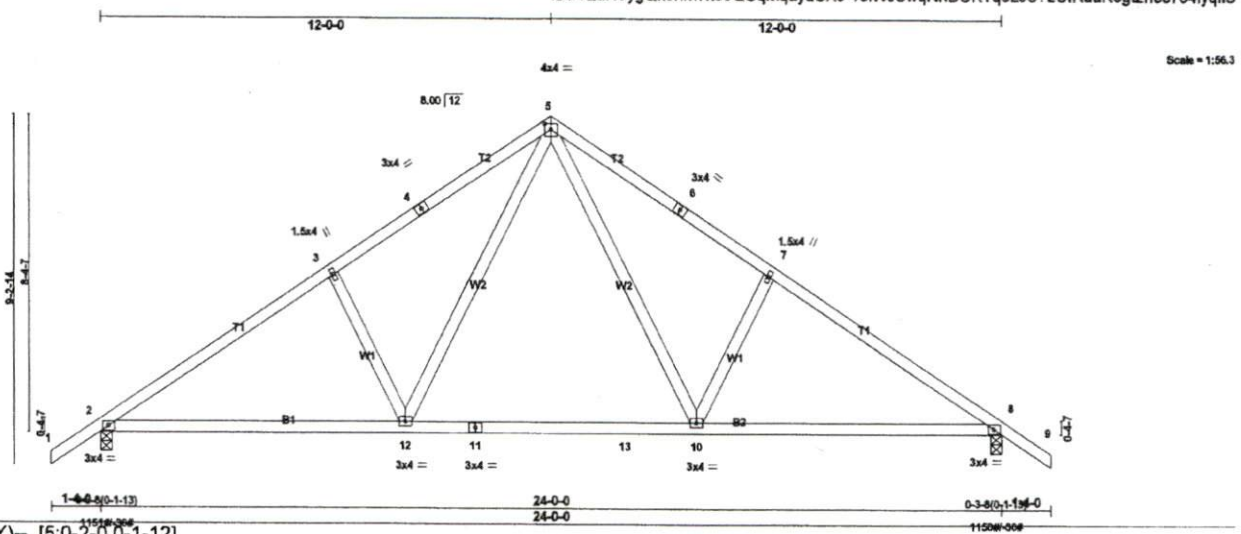


Plate Offsets (X,Y)-- [5:0-2-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.37	Vert(LL)	-0.11	10-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.56	Vert(CT)	-0.22	8-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 123 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Sheathed or 4-9-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (size) 2=0-3-8 (min. 0-1-13), 8=0-3-8 (min. 0-1-13)
Max Horz 2=-167(LC 10)
Max Uplift2=-36(LC 12), 8=-36(LC 12)
Max Grav 2=1151(LC 24), 8=1150(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1484/34, 3-5=-1379/90, 5-7=-1379/90, 7-8=-1484/34
BOT CHORD 2-12=0/1285, 10-12=0/839, 8-10=0/1180
WEBS 3-12=-331/119, 5-12=-10/698, 5-10=-10/698, 7-10=-331/119

JOINT STRESS INDEX
2 = -nan(ind), 3 = -nan(ind), 4 = -nan(ind), 5 = -nan(ind), 6 = -nan(ind), 7 = -nan(ind), 8 = -nan(ind), 10 = -nan(ind), 11 = -nan(ind) and 12 = -nan(ind)

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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); Pg=10.0 psf; Pf=7.7 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) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) All bearings are assumed to be User Defined crushing capacity of 425 psi.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 2 and 36 lb uplift at joint 8.
10) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	LEMUS GARAGE
T19-07076	T01G	GABLE	2	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.310 s Jun 11 2019 Print: 8.310 s Jun 11 2019 MiTek Industries, Inc. Wed Aug 7 08:52:48 2019 Page 1
ID:HQaKVygQk9hm7x39QUqMqayuCX0-VFGuWoxS7_MLydP_u0zEuPrgbInWPEJqrGtgdkyqIIT

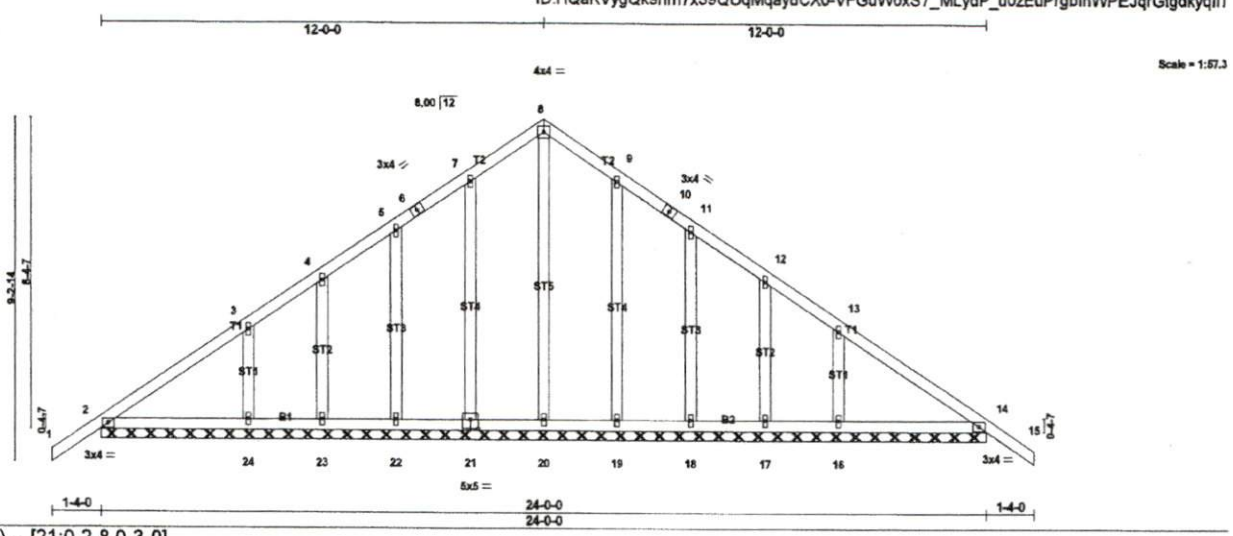


Plate Offsets (X,Y)– [21:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.11	Vert(LL)	0.00	15	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	0.01	15	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 149 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 24-0-0.
(lb) - Max Horz 2=167(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 21, 22, 23, 24, 19, 18, 17, 16
Max Grav All reactions 250 lb or less at joint(s) 2, 14, 20, 21, 22, 23, 19, 18, 17 except 24=305(LC 24), 16=305(LC 25)

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

JOINT STRESS INDEX
2 = -nan(ind), 3 = -nan(ind), 4 = -nan(ind), 5 = -nan(ind), 6 = -nan(ind), 7 = -nan(ind), 8 = -nan(ind), 9 = -nan(ind), 10 = -nan(ind), 11 = -nan(ind), 12 = -nan(ind), 13 = -nan(ind), 14 = -nan(ind), 16 = -nan(ind), 17 = -nan(ind), 18 = -nan(ind), 19 = -nan(ind), 20 = -nan(ind), 21 = -nan(ind), 22 = -nan(ind), 23 = -nan(ind) and 24 = -nan(ind)

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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); Pg=10.0 psf; Pf=7.7 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 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
7) All plates are 1.5x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * 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.
12) All bearings are assumed to be User Defined crushing capacity of 425 psi.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 21, 22, 23, 24, 19, 18, 17, 16.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	LEMUS GARAGE
T19-07076	T01G	GABLE	2	1	Job Reference (optional)

NOTES-

14) 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.

LOAD CASE(S) Standard

Boise Cascade

Double 1-3/4" x 20" VERSA-LAM® 2.0 3100 SP

PASSED

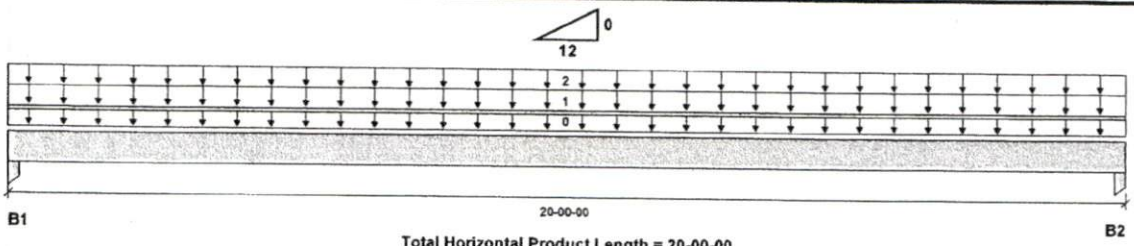
RB01 (Roof Beam)

Dry | 1 span | No cant.

BC CALC® Member Report
Build 7295

August 6, 2019 15:57:36

Job name:	LEMUS GARAGE	File name:	
Address:		Description:	
City, State, Zip:		Specifier:	
Customer:	SBS	Designer:	TOM WALKER
Code reports:	ESR-1040	Company:	LONGLEAF TRUSS COMPANY



Total Horizontal Product Length = 20-00-00

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 5-1/2"		2603 / 0	4800 / 0		4800 / 0
B2, 5-1/2"		2603 / 0	4800 / 0		4800 / 0

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	Tributary
0	Self-Weight	Unf. Lin. (lb/ft)	L	00-00-00	20-00-00	Top		20				00-00-00
1		Unf. Area (lb/ft²)	L	00-00-00	20-00-00	Top		10	20		20	12-00-00
2		Unf. Area (lb/ft²)	L	00-00-00	20-00-00	Top		10	20		20	12-00-00

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	34141 ft-lbs	52.1%	115%	5	10-00-00
End Shear	5830 lbs	38.1%	115%	5	02-01-08
Total Load Deflection	L/474 (0.486")	37.9%	n\a	4	10-00-00
Live Load Deflection	L/732 (0.315")	32.8%	n\a	6	10-00-00
Max Defl.	0.486"	97.2%	n\a	4	10-00-00
Span / Depth	11.5				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Column	5-1/2" x 3-1/2"	7403 lbs	46.6%	51.3%	Southern Pine
B2	Column	5-1/2" x 3-1/2"	7403 lbs	46.6%	51.3%	Southern Pine

Cautions

For roof members with slope (1/4)/12 or less final design must ensure that ponding instability will not occur.

For roof members with slope (1/2)/12 or less final design must account for Rain-on-Snow surcharge load.

Notes

Design meets Code minimum (L/180) Total load deflection criteria.
Design meets Code minimum (L/240) Live load deflection criteria.
Design meets arbitrary (0.5") Maximum Total load deflection criteria.
Calculations assume member is fully braced.
BC CALC® analysis is based on IBC 2009.
Design based on Dry Service Condition.

Boise Cascade

Double 1-3/4" x 20" VERSA-LAM® 2.0 3100 SP

PASSED

RB01 (Roof Beam)

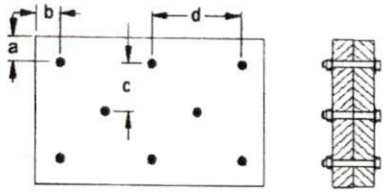
Dry | 1 span | No cant.

August 6, 2019 15:57:36

BC CALC® Member Report
Build 7295

Job name:	LEMUS GARAGE	File name:	
Address:		Description:	
City, State, Zip:		Specifier:	
Customer:	SBS	Designer:	TOM WALKER
Code reports:	ESR-1040	Company:	LONGLEAF TRUSS COMPANY

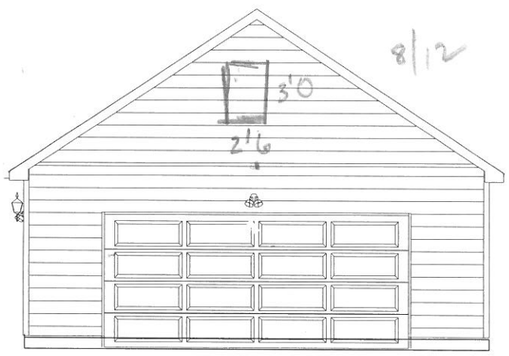
Connection Diagram: Full Length of Member



a minimum = 2" c = 8"
b minimum = 2-1/2" d = 24"

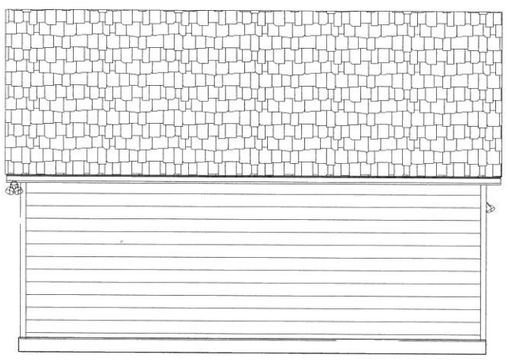
Bolts are assumed to be Grade A307 or Grade 2 or higher.
Connectors are: 1/2 in. Staggered Through Bolt

Disclosure

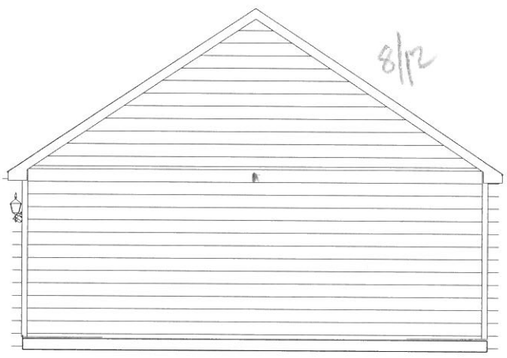


Front Elevation

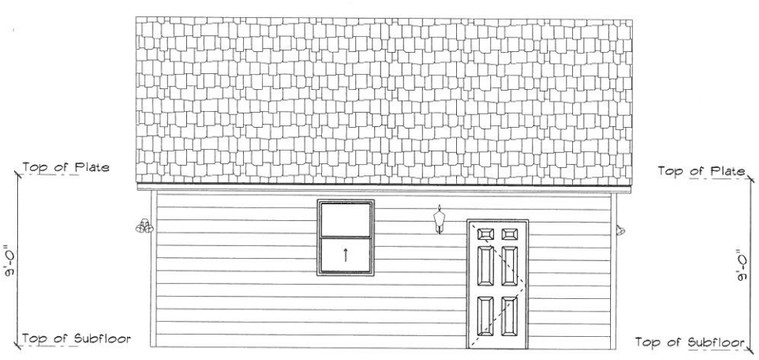
Lemus Garage
1052 Rosser Pittman Rd
Broadway, NC 27505
1/8"=1'



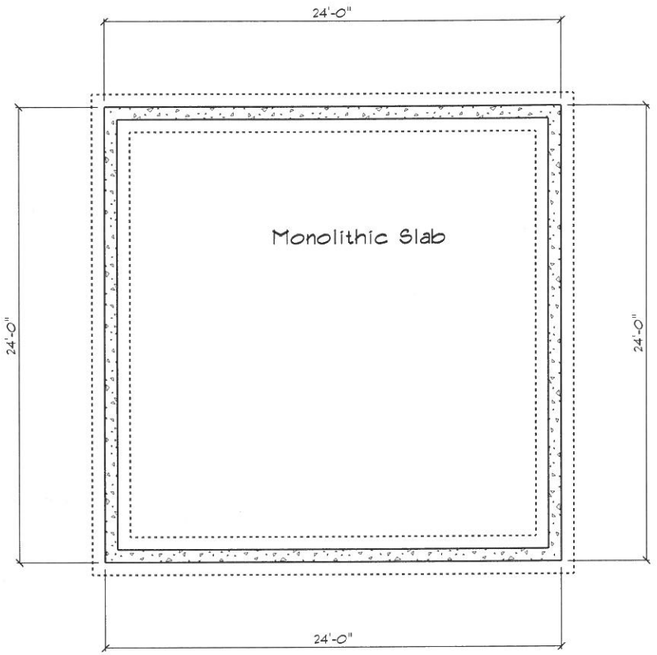
Right Elevation

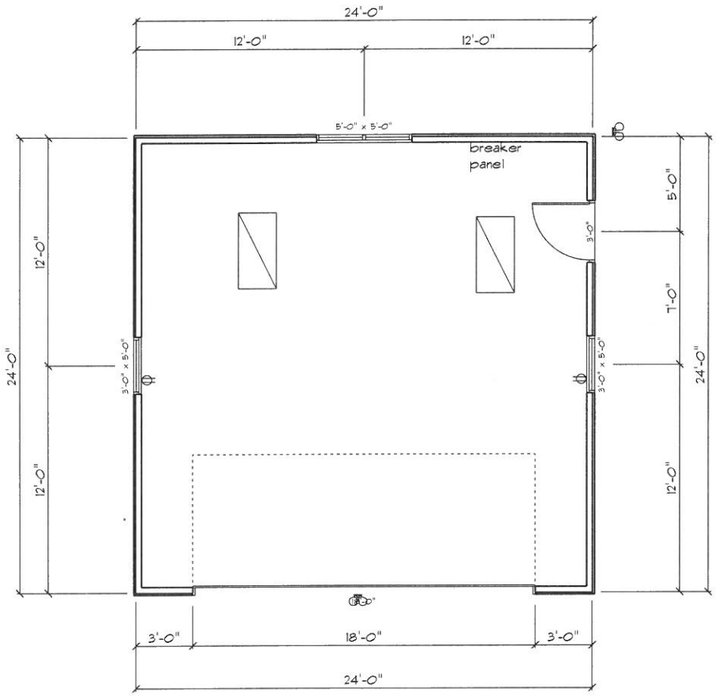


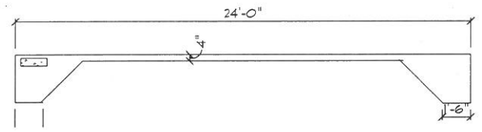
Rear Elevation



Left Elevation







Lemus Garage
1052 Rosser Pittman Rd.
Broadway NC 27505

Lemus Garage 1052 Rossor Pittman Rd
Broadway NC
27505

"Block"

270- 8X8X16 Reg 25- 10" Anchor Bolts
20- Types mortar
8- 2X8X16 T= mud sill
32- 2X4X12SP - Top & Bottom Plates
150- 2X4X93 - Studs 5- 2X10X16SYP- Headers
2- 9'1/4X22' LVL → 6- 2X8X10T- Goal Post
~~10- 2X8X16SYP- Headers~~
40- 7/16 OSB- Sheating -2 Rolls House Wrap.
100- 2X4X16 - Bracing Soffit Ect
30- 7/16 OSB 940' Roof Sq Footage
1- 7/16 Roof Clips Box
1- Roll Epilay
10- Shingle Vent II
30- Certeed 30yrs Moire Black
2- Bundle Moire Black Hip & Ridge
1- Bucket Plastic Cap Nail
4- 2X6X16SP } Fascia
4- 2X6X14SP }

Siding → 7pcs - 75 Sq' Vented Soffit
8pcs - 86Sq' Solid Soffit
30- Pcs - 5/8 J Channel -4 outside corners
140- Pcs - Double 5" Siding
10- Pcs Vinyl Starter
2- Boxes PVC textured Coil
1- Box Lght Coil Nails

Roof trusses
C-$ 1,681.00
2 weeks lead Time

Nail Allowance
350.00

Windows

2- 3-0 X 5-0 Double Hung
1- 6-0 X 5-0 Double Hung Twin
1- 3-0 X 6-8 RH 6 panel Steel

Lemus Garage
1052 Rosser Pitman
Broadway, NC 27505

Ply Gem WINDOWS

QUOTE EXPIRES	Quote Not Certified

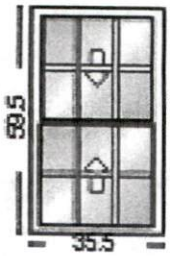
-23

BILL TO:	SHIP TO:

QUOTE #	QUOTE DATE	LOAD DATE	SHIP DATE	QUOTED BY
4769070	7/30/2019	Load Date Not Set	Quote Not Ordered	Bobby Womack
JOB NAME		CUSTOMER PO#	BUILDING/LOT #	CONTACT
				Jerry Jackson

LineItem #	Description	Net Price	Extended
1-1	Rough Opening: 36 X 60, Frame: 35 1/2 X 59 1/2 Product Unit 1:Pro Series Classic Double Hung Dimensions Call Size 3-0 5-0, Frame Size 35.5 X 59.5, Even Color Exterior = White Unit Performance DP +50/-50, No Thermal Requirement, U-Factor = 0.34, SHGC = 0.25, VLT = 0.47, CPD = PWG-M-56-00409-00002 Glass Unit 1: Low-E, Double Glazed, Warm Edge (WE), Metal Unit 1 Lower, 1 Upper: Annealed Grilles 7/8" Flat GBG, Colonial, Exterior = White, Interior = White, 3W2H Hardware Child Safety Latch, White, 2 Locks Screen Full Screen, White, Shipped Separately Wrapping - Exterior Casing None Wrapping - Jamb Extension 4 9/16", Primed, All Side	$355.08	$710.16

Qty: 2
Room Location:
None Assigned
Note:

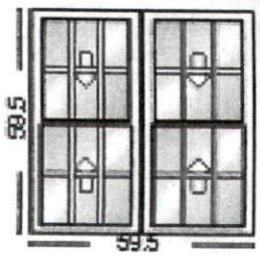


LineItem #	Description	Net Price	Extended
1-2	Unit 1 Screen, 3-0 5-0, Screen Color: White, Screen Width: 31.625 Screen Height: 56.8125	$15.60	$31.20

Qty: 2
Room Location:
None Assigned
Note:

LineItem #	Description	Net Price	Extended
2-1	Rough Opening: 60 X 60, Frame: 59 1/2 X 59 1/2 Product Unit 1:Pro Series Classic Double Hung | Unit 2:Pro Series Classic Double Hung Dimensions Call Size 2-6 5-0, Frame Size 29.5 X 59.5 Color Exterior = White Unit Performance DP +50/-50, No Thermal Requirement, U-Factor = 0.34, SHGC = 0.25, VLT = 0.47, CPD = PWG-M-56-00409-00002 Glass Unit 1, 2: Low-E, Double Glazed, Warm Edge (WE), Metal Unit 1 Lower, 1 Upper, 2 Lower, 2 Upper: Annealed Grilles 7/8" Flat GBG, Colonial, Exterior = White, Interior = White, 3W2H Hardware Child Safety Latch, White, 2 Locks Screen Full Screen, White, Shipped Separately Wrapping - Exterior Casing None Wrapping - Jamb Extension 4 9/16", Primed, All Side Wrapping - Overall Performance DP+35/-35 Mulls Vertical Common Frame 0.5" thick	$660.71	$660.71

Qty: 1
Room Location:
None Assigned
Note:



QUOTE #	QUOTE DATE	LOAD DATE	SHIP DATE	QUOTED BY
4769070	7/30/2019	Load Date Not Set	Quote Not Ordered	Bobby Womack
JOB NAME		CUSTOMER PO#	BUILDING/LOT #	CONTACT
				Jerry Jackson

LineItem #	Description	Net Price	Extended
2-2	Unit 1 Screen, 2-6 5-0, Screen Color: White, Screen Width: 25.625 Screen Height: 56.8125	$15.60	$15.60

Qty: 1
Room Location:
None Assigned
Note:

LineItem #	Description	Net Price	Extended
2-3	Unit 2 Screen, 2-6 5-0, Screen Color: White, Screen Width: 25.625 Screen Height: 56.8125	$15.60	$15.60

Qty: 1
Room Location:
None Assigned
Note:

Total Unit Quantity: 7

PROJECT	QUOTE
lemus garage	lemus garage
NOTES	
Order:	
Delivery:	
Job Comment:	

SUB-TOTAL:	$1,433.27
LABOR:	$0.00
FREIGHT:	$0.00
SALES TAX:	$0.00
TOTAL:	$1,433.27

CUSTOMER SIGNATURE _____ DATE _____

QUOTE

LONGLEAF TRUSS CO.
4476 NC 211, PO Box 225
West End, NC 27276
Phone: 910-673-4711
Fax: 910-673-5175
longleaftruss@embarqmail.com

ORDER #	
QUOTE #	T19-07076
ORDERED BY	JERRY JACKSON
CUSTOMER PO #	
INVOICE #	
TERMS	1% 10 DAYS, NET
SALES REP	TELEPHONE
SALES AREA	HOUSE

SOLD TO
Service Building Supply
PO BOX 2248
SANFORD, NC 27331
(919) 776-1500

SHIP TO
1052 ~~LAWSON~~ ROSSER PITTMAN ROAD
~~ROCKWELL~~, BROADWAY N.C. 27505

JOB NAME: LEMUS GARAGE LOT # SUBDIV:
MODEL: TAG: JOB CATEGORY: RESIDENTIAL ROOF
DELIVERY INSTRUCTIONS:
SPECIAL INSTRUCTIONS:

BUILDING DEPARTMENT
ROOF TRUSSES

OVERHANG INFO		HEEL HEIGHT	00-04-03	REQ. LAYOUTS				REQ. ENGINEERING					BY	DATE
END CUT	RETURN											QUOTE	TAW	07/26/19
PLUMB		GABLE STUDS	0 IN. OC			JOBSITE	1	MAIL	1	JOBSITE	1	LAYOUT		/ /
												CUTTING		/ /

ROOF TRUSSES

LOADING INFORMATION

TCLL-TCDL-BCLL-BCDL	STRESS INCR.
20.0,10.0,0.0,10.0	1.15

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY	PITCH		TYPE ID	BASE SPAN	O/A SPAN	LUMBER		OVERHANG		CANTILEVER		HEEL		
	PLY						TOP	BOT			LEFT	RIGHT	LEFT	RIGHT	
	18	8.00	0.00	FINK T01	24-00-00	24-00-00	2 X 4	2 X 4	01-04-00	01-04-00			00-04-07	00-04-07	
	2	8.00	0.00	GABLE T01G	24-00-00	24-00-00	2 X 4	2 X 4	01-04-00	01-04-00			00-04-07	00-04-07	

ACCEPTED BY SELLER 20
1,197

BY: _____

TITLE: _____

DATE OF ACCEPTANCE: _____

ACCEPTED BY BUYER

PURCHASER: _____

BY: _____ TITLE: _____

ADDRESS: _____

PHONE: _____ DATE: _____

SALES TAX 0.000%	$0.00
GRAND TOTAL	1868.00

1,999.00
With Tax