

Appeal Period Expires <u>5/20/14</u> Zoning District <u>R2</u>	Town of Essex, Vermont Application for Zoning Permit www.essex.org	Application Date <u>4/28/14</u> Permit Number <u>2014-47</u>
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All construction is to be completed in accordance with the Town of Essex Zoning Regulations and any/all federal or state regulations now in effect. You are required to post this permit in a conspicuous location on the property during the appeal period and it must remain posted throughout the construction period. You are required to contact the necessary state agencies to obtain state permits @ 879-5676. See Macmillan

Any interested person may appeal the decision of the Zoning Administrator to the Zoning Board of Adjustment within fifteen (15) days of the permit's date of issuance. Commencing construction within this fifteen (15) day appeal period is prohibited by law.

Signed: Kirk Townsend

A Parcel Account Numb. (Map-Parcel-Lot) <u>2-045-065-000</u> <small>(found in Town Assessor's Office)</small> Property Address: <u>17 Maplelawn Drive</u> Owner: <u>Kirk L. Townsend</u> Owner Address: <u>17 Maplelawn Drive</u> Owner Phone: (work) _____ (home) _____ * (cell) <u>324-0607</u> (Email) _____ Contractors name: _____ Phone: _____ _____ Cell: _____ Estimated Construction Dates: Start: ___/___/___ Completion: ___/___/___ Sq. Feet: _____ Estimated Cost (labor & materials): <u>\$30000</u>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="4" style="text-align: center;">G</th> </tr> <tr> <td colspan="4">Check box(es) which describe proposed use or construction (circle choice in parenthesis).</td> </tr> <tr> <td colspan="4" style="text-align: center;">N = New A = Addition R = Remodel</td> </tr> <tr> <td><i>Residential:</i></td> <td></td> <td>N</td> <td>A</td> <td>R</td> </tr> <tr> <td>Single Family <u>Replace roof - Add pitch</u></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Two-family (duplex)(other)</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Multi-family</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Condominium / Townhouse</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Mobile home</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="4"><i>Inclusions or Additions:</i></td> </tr> <tr> <td>Garage (attached) (detached)</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Porch (enclosed) (open)</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Deck</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Pool (in) (above) ground</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Shed</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Barn (residential) (agriculture)</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="4"><i>Non-residential:</i></td> </tr> <tr> <td>Commercial / Industrial</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="4"><i>Stormwater:</i></td> </tr> <tr> <td>Stormwater</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Erosion Control</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="4"><i>Other:</i></td> </tr> <tr> <td>Change in use</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Miscellaneous</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Renewal</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	G				Check box(es) which describe proposed use or construction (circle choice in parenthesis).				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B Sewage Disposal (Please attach Sewer or Septic Application). Public <input type="checkbox"/> Private <input checked="" type="checkbox"/> Connection Fee \$ _____ Date Paid: ___/___/___ Proposed New Bedrooms: _____ Existing Bedrooms _____																																																																																																																							
C Water (Please attach Water Service Application). Public <input checked="" type="checkbox"/> Private <input type="checkbox"/> Fee \$ _____ Date Paid: ___/___/___																																																																																																																							
D Driveway (Please attach copy of approved Curbcut / Utility Application). Date of approval ___/___/___																																																																																																																							
E Stormwater <input type="checkbox"/> Project disturbs an area greater than or equal to 1 acre – Erosion Control Permit Required. Attach completed permit application. <input type="checkbox"/> Project creates new or expands existing impervious surface greater than or equal to 1/2 acre – Erosion Control Permit and Stormwater Management Permit required. Attach completed permit application.																																																																																																																							
F Diagram – Show a sketch of project on reverse of this application with property lines, building, and setbacks or attach separate sheet. (Instruction sheet available upon request.) <u>See Attached</u> <u>Roof height total = approx 30ft</u>																																																																																																																							
G Signature of Tenant and Signature of Owner <u>Kirk L. Townsend</u>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="4" style="text-align: center;">Office Use Only</th> </tr> <tr> <td>Fees:</td> <td>Type</td> <td>Amount</td> <td>Date Paid</td> </tr> <tr> <td>Permit</td> <td></td> <td><u>\$7500</u></td> <td><u>4/28/14</u></td> </tr> <tr> <td>Recreation</td> <td></td> <td>\$ _____</td> <td></td> </tr> <tr> <td>Recording</td> <td></td> <td><u>\$1000</u></td> <td><u>4/28/14</u></td> </tr> <tr> <td>Certificate of Occ</td> <td></td> <td>\$ _____</td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td>\$ _____</td> <td></td> </tr> <tr> <td colspan="4" style="text-align: center;">Building Permit</td> </tr> <tr> <td>Approved</td> <td><input checked="" type="checkbox"/></td> <td>Rejected</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Date</td> <td colspan="3"><u>5/5/14</u></td> </tr> <tr> <td>Issued to:</td> <td colspan="3"><u>Kirk Townsend</u></td> </tr> <tr> <td>Zoning Administrator:</td> <td colspan="3"><u>Sharon Kelly</u></td> </tr> <tr> <td>Notes:</td> <td colspan="3"><u>Energy efficiency</u> <u>down given</u> <u>shall not exceed 10ft.</u></td> </tr> <tr> <td>C.O. Required</td> <td>Yes</td> <td><input type="checkbox"/></td> <td>No <input checked="" type="checkbox"/></td> </tr> </table>	Office Use Only				Fees:	Type	Amount	Date Paid	Permit		<u>\$7500</u>	<u>4/28/14</u>	Recreation		\$ _____		Recording		<u>\$1000</u>	<u>4/28/14</u>	Certificate of Occ		\$ _____		Other		\$ _____		Building Permit				Approved	<input checked="" type="checkbox"/>	Rejected	<input type="checkbox"/>	Date	<u>5/5/14</u>			Issued to:	<u>Kirk Townsend</u>			Zoning Administrator:	<u>Sharon Kelly</u>			Notes:	<u>Energy efficiency</u> <u>down given</u> <u>shall not exceed 10ft.</u>			C.O. Required	Yes	<input type="checkbox"/>	No <input checked="" type="checkbox"/>																																																														
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THIS PERMIT VALID FOR TWELVE (12) MONTHS FROM DATE OF ISSUE

(web) 11/02/10

ROOFING
 291
 Courty Center, VT 05677
 (802)233-0511
 info@clarkroofingvt.com



Estimate

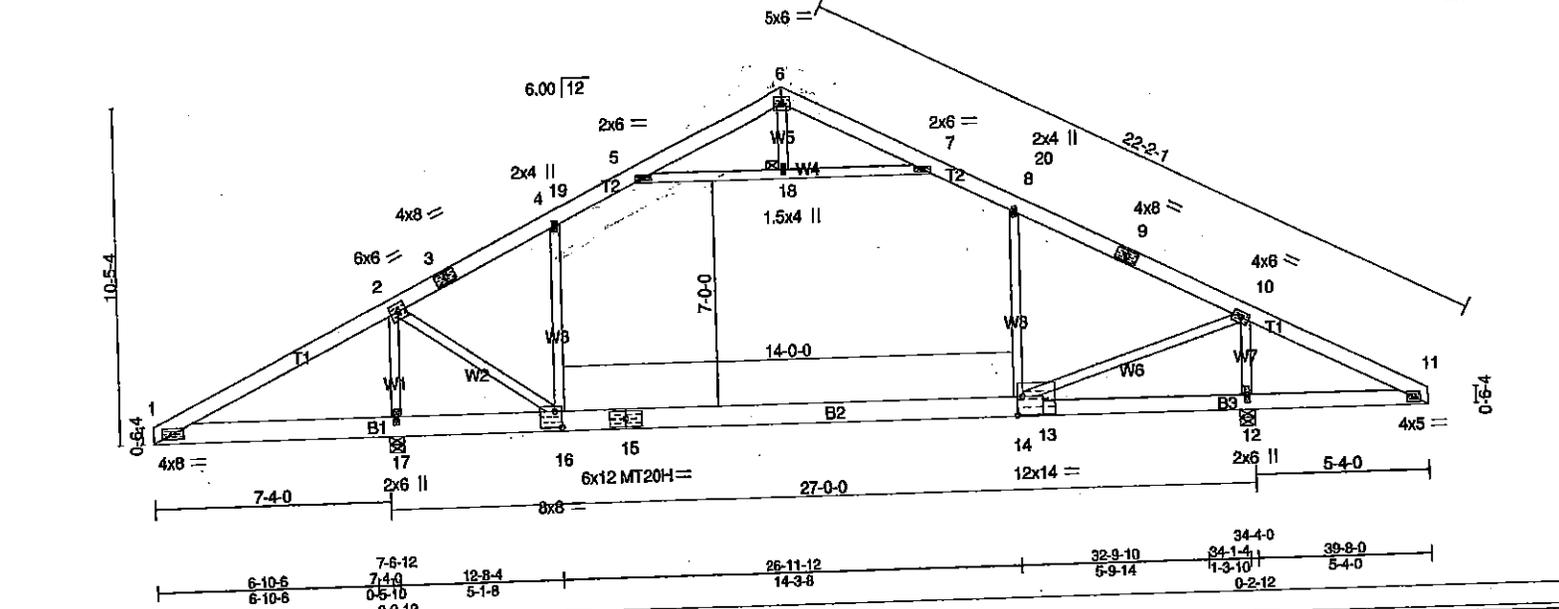
Date	Estimate No.
04/26/2014	1182
	Exp. Date

Address
Kirk Townsend Maplelawn dr Essex VT

Activity	Quantity	Rate	Amount
<ul style="list-style-type: none"> Labor and materials to install storage trusses, 5/8 plywood, GAF Timberline architectural shingles, Hardi Plank siding with one coat of paint, fascia and soffit, Price also includes a door budget of \$400.00. Framing and install of window and door will also be included. 3/4 plywood will also be installed on the storage truss floor. 1/2 inch plywood on gable walls with house wrap will be included. 	1	30,000.00	30,000.00
Total			\$30,000.00

Accepted By

Accepted Date



LOADING (psf)		SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	TC 0.67	Vert(LL)	-0.46 14-16	>696	360	MT20	197/144
(Roof Snow=40.0)		Lumber Increase	BC 0.89	Vert(TL)	-0.77 14-16	>411	240	MT20H	187/143
TCDL	10.0	Rep Stress Incr	WB 0.99	Horz(TL)	0.01 12	n/a	n/a		
BCLL	0.0 *	Code IRC2012/TP12007	(Matrix)	Wind(LL)	0.12 12-14	>999	240		
BCDL	10.0							Weight: 235 lb	FT = 20%

LUMBER
 TOP CHORD 2x6 SPF No.2
 BOT CHORD 2x8 SP 2400F 2.0E *Except*
 B3: 2x6 SPF No.2
 WEBS 2x4 SPF Stud *Except*
 W4,W2: 2x4 SPF No.2

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-6-12 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 2-6-7 oc bracing.
 JOINTS 1 Brace at Jt(s): 18

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

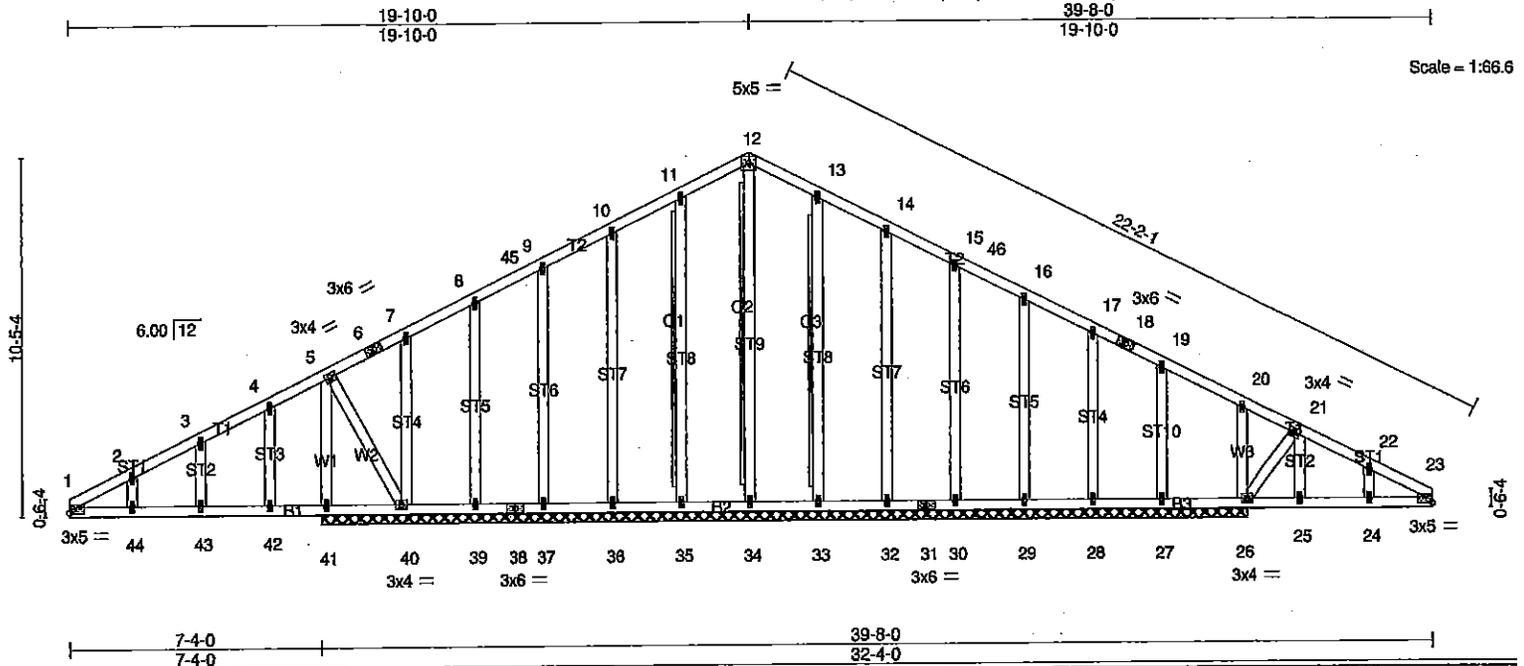
REACTIONS (lb/size) 17=2815/0-5-8 (min. 0-4-8), 12=2421/0-5-8 (min. 0-3-15)
 Max Horz 17=-84(LC 6)
 Max Grav 17=2850(LC 3), 12=2499(LC 4)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-55/1049, 2-3=-1704/0, 3-4=-1653/0, 4-19=-1555/0, 5-19=-1483/0, 5-6=-803/49,
 6-7=-743/58, 7-20=-1606/0, 8-20=-1624/0, 8-9=-1624/0, 9-10=-1807/0, 10-11=-68/543
 BOT CHORD 1-17=-780/53, 16-17=-780/137, 15-16=0/1453, 14-15=0/1453, 13-14=-343/66,
 12-13=-337/65, 11-12=-337/65
 WEBS 5-18=-1182/0, 7-18=-1182/0, 4-16=-844/332, 8-14=-675/351, 2-17=-3141/0, 2-16=0/2588,
 10-12=-2246/0, 10-14=0/1852

- NOTES** (13)
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.0psf; BCDL=4.0psf; h=20ft; Cat. II; Exp B; enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TGLL: ASCE 7-10; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) All plates are MT20 plates unless otherwise indicated.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * 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 1-0-0 wide will fit between the bottom chord and any other members.
 - 7) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-18, 7-18; Wall dead load (5.0psf) on member(s).4-16, 8-14
 - 8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 14-16
 - 9) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 11) NOTE: DUE TO THE OVERALL LENGTH TO DEPTH RATIO OF THE ROOM, THE FLOOR MAY EXHIBIT OBJECTIONABLE VIBRATION AND OR BOUNCE. BUILDING DESIGNER TO CONSIDER PROVIDING MEANS TO DAMPEN THESE EFFECTS. TRUSS DESIGN SHALL BE REVIEWED AND APPROVED PRIOR TO MANUFACTURING.
 - 12) Attic room checked for L/360 deflection.
 - 13) If Southern Pine (SP) is specified, the design values are those effective 06/01/2013 by ALSC.

LOAD CASE(S) Standard

RIVERSIDE TRUSS, RIPARIUS, NY, TTR



LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	Plates Increase 1.15	TC 0.86	Vert(LL) n/a - n/a 999	MT20	197/144
TCDL 10.0	Lumber Increase 1.15	BC 0.84	Vert(TL) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.49	Horz(TL) -0.03 26 n/a n/a		
BCDL 10.0	Code IRC2012/TPI2007	(Matrix)			Weight: 215 lb FT = 20%

LUMBER
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF Stud
 OTHERS 2x4 SPF Stud

BRACING
 TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
 5-9-13 oc bracing: 1-44
 4-11-7 oc bracing: 43-44,41-42
 5-10-8 oc bracing: 42-43
 4-9-13 oc bracing: 40-41.
 T-Brace: 2 X 4 SPF No.3 - 12-34, 11-35, 13-33
 Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6In o.c., with 3In minimum end distance.
 Brace must cover 90% of web length.

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

REACTIONS All bearings 27-0-0.
 (lb) - Max Horz 41=-85(LC 6)
 Max Uplift All uplift 100 lb or less at joint(s) 35, 36, 37, 39, 33, 32, 30, 29, 28, 27, 26 except 40=-808(LC 14), 41=-257(LC 6)
 Max Grav All reactions 250 lb or less at joint(s) 40, 27 except 34=742(LC 2), 35=379(LC 14), 36=346(LC 14), 37=294(LC 3), 39=381(LC 3), 33=394(LC 15), 32=332(LC 15), 30=325(LC 15), 29=261(LC 18), 28=282(LC 4), 41=1837(LC 14), 26=605(LC 15)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-55/748, 2-3=-34/770, 3-4=-31/833, 4-5=-23/864, 5-6=-55/547, 6-7=-49/604, 7-8=-39/691, 8-45=-22/591, 9-45=-15/669, 9-10=-5/672, 10-11=0/678, 11-12=0/650, 12-13=0/650, 13-14=0/682, 14-15=0/677, 15-46=0/672, 16-46=0/628, 16-17=0/672, 17-18=-1/673, 18-19=-5/628, 19-20=-12/671, 20-21=-20/660, 21-22=-16/454, 22-23=-25/408
BOT CHORD 1-44=-656/61, 43-44=-656/61, 42-43=-656/61, 41-42=-656/61, 40-41=-656/124, 39-40=-561/62, 38-39=-561/62, 37-38=-581/62, 36-37=-561/62, 35-36=-561/62, 34-35=-561/62, 33-34=-561/62, 32-33=-561/62, 31-32=-561/62, 30-31=-561/62, 29-30=-561/62, 28-29=-561/62, 27-28=-561/62, 26-27=-561/62, 25-26=-333/31, 24-25=-333/31, 23-24=-333/31
WEBS 12-34=-702/0, 11-35=-341/32, 10-36=-299/39, 9-37=-275/35, 13-33=-354/30, 14-32=-293/40, 15-30=-284/36, 5-41=-1305/227, 5-40=-376/662, 21-26=-377/51

NOTES (14)
 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.0psf; BCDL=4.0psf; h=20ft; Cat. II; Exp B; enclosed; MWFRS (envelope); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 2) 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.
 3) TCLL: ASCE 7-10; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 4) Unbalanced snow loads have been considered for this design.
 5) All plates are 1.5x4 MT20 unless otherwise indicated.
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