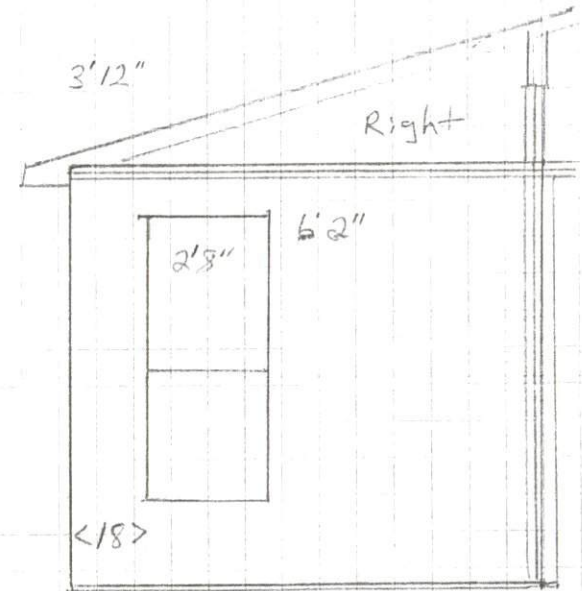
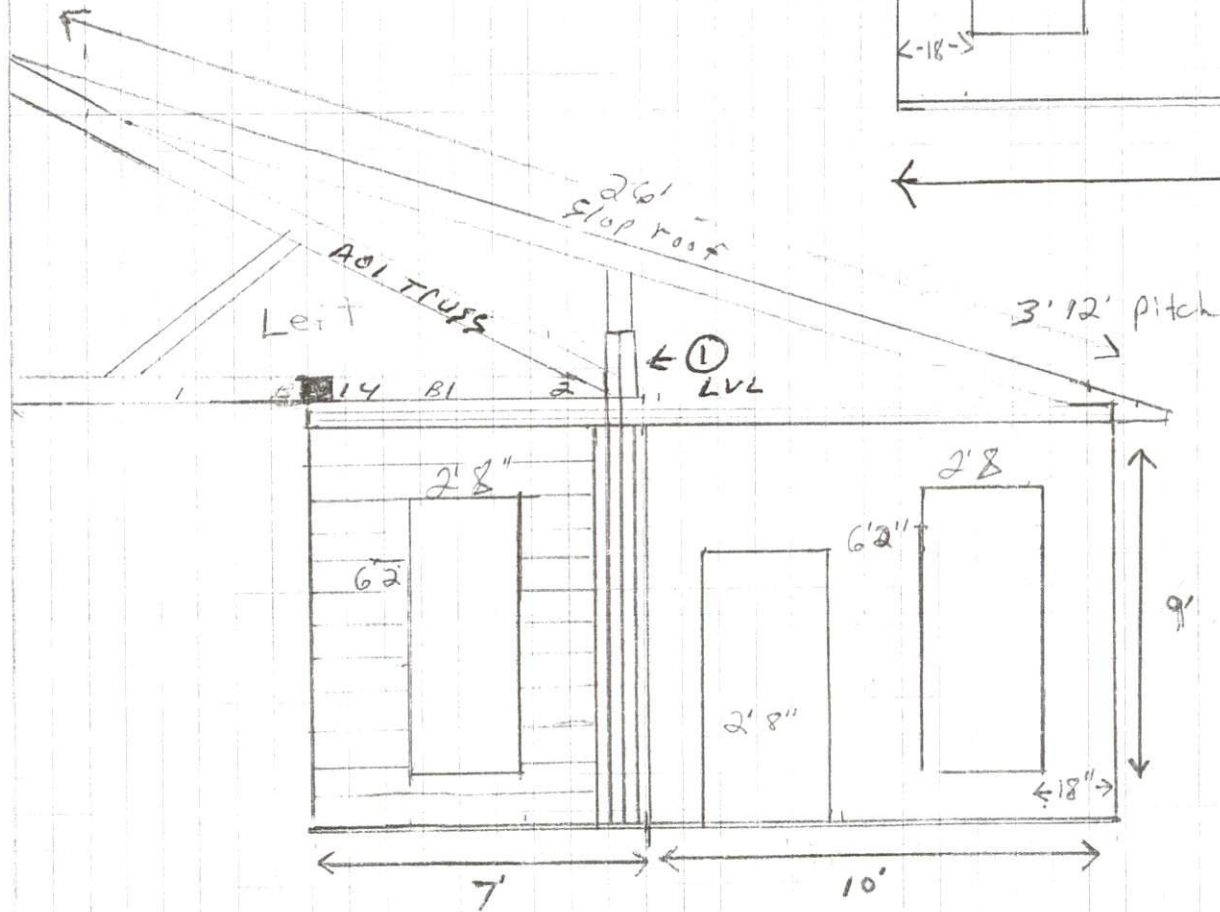
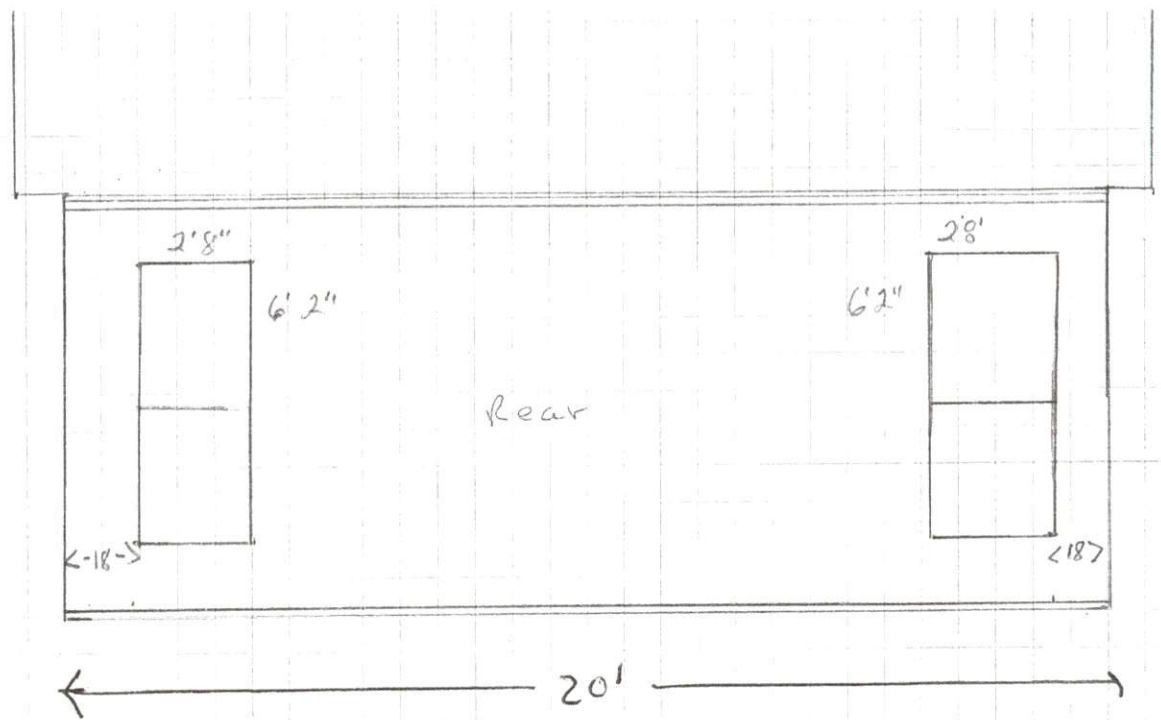


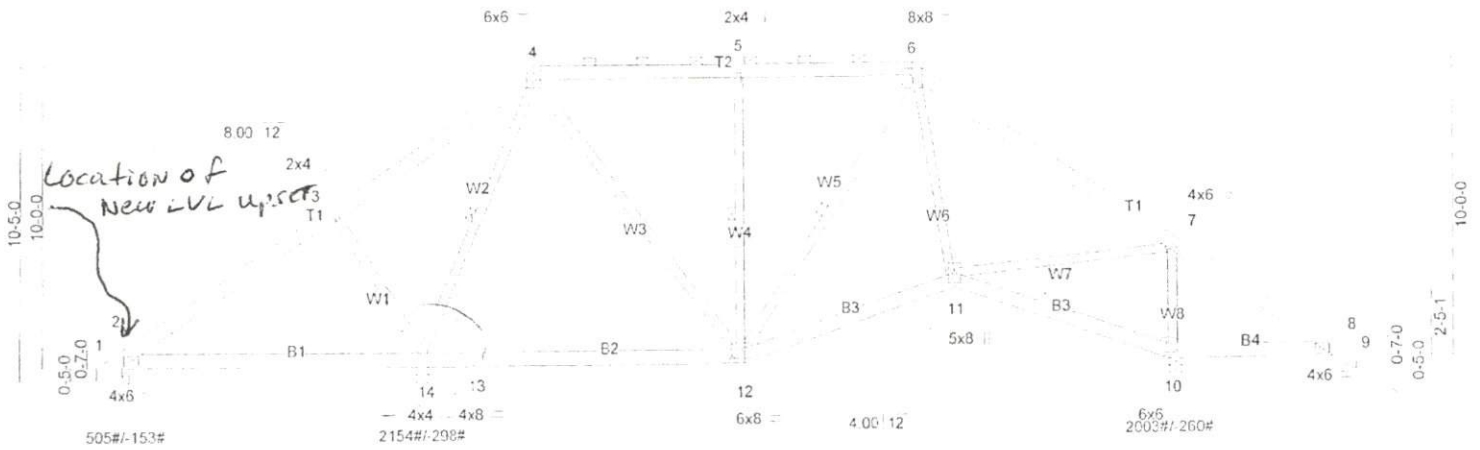
Ceiling height 9'  
2x6 exterior walls

HARNETT COUNTY CENTRAL PERMITTING  
APPLICATION # BBES2001-0034  
JOB NAME Garage  
DATE PLANS RECEIVED 1/21/2020  
SITE PLANS APPROVED 1/21/2020  
APPROVED BY BS



① - LVL upset to carry tail of A01 Truss and shed roof

Scale = 1:76.2



10-2-12	21-4-0	28-7-4	35-10-8	36-1-4	41-4-0
10-2-12	11-1-4	7-3-4	7-3-4	0-2-12	5-2-12

Plate Offsets (X,Y) -- [4 0-3-0,0-2-12], [6 0-4-0,0-2-13], [10 0-3-0,0-3-8], [12 0-5-4,0-3-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.38	Vert(LL) -0.23	12-14	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.75	Vert(TL) -0.45	12-14	>680	240		
BCLL 0.0	Rep Stress Incr NO	WB 0.61	Horz(TL) 0.04	10	n/a	n/a		
BCDL 20.0	Code IRC2009/TPI2007	Matrix-S	Wind(LL) 0.13	2-14	>955	240		
							Weight: 310 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No. 1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD 2x6 SP No. 1	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No. 3	WEBS 1 Row at midpt 4-14, 5-12, 6-12
	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (size) 10=0-5-8 (min. 0-2-6), 14=0-5-8 (min. 0-2-9), 2=0-3-0 (min. 0-1-8)  
 Max Horz 2=265(LC 6)  
 Max Uplift 10=-260(LC 8), 14=-298(LC 6), 2=-153(LC 7)  
 Max Grav 10=2003(LC 1), 14=2154(LC 1), 2=505(LC 11)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-351/131, 4-5=-914/240, 5-6=-913/240, 6-7=-1297/112, 7-8=-288/520  
 BOT CHORD 13-14=-88/425, 13-15=-88/425, 12-15=-88/425, 11-12=-24/986, 10-11=-451/343,  
 8-10=-319/296  
 WEBS 3-14=-404/295, 4-14=-1124/127, 4-12=-80/842, 5-12=-435/203, 6-11=0/382,  
 7-11=-60/1342, 7-10=-1595/401

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-05; 100mph; TCDL=6.0psf, BCDL=6.0psf, h=15ft, Cat. II; Exp C, enclosed; MWFRS (low-rise) and C-C Interior(1) zone; cantilever right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) Provide adequate drainage to prevent water ponding.
  - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 20.0psf.
  - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=260, 14=298, 2=153.
  - 7) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

