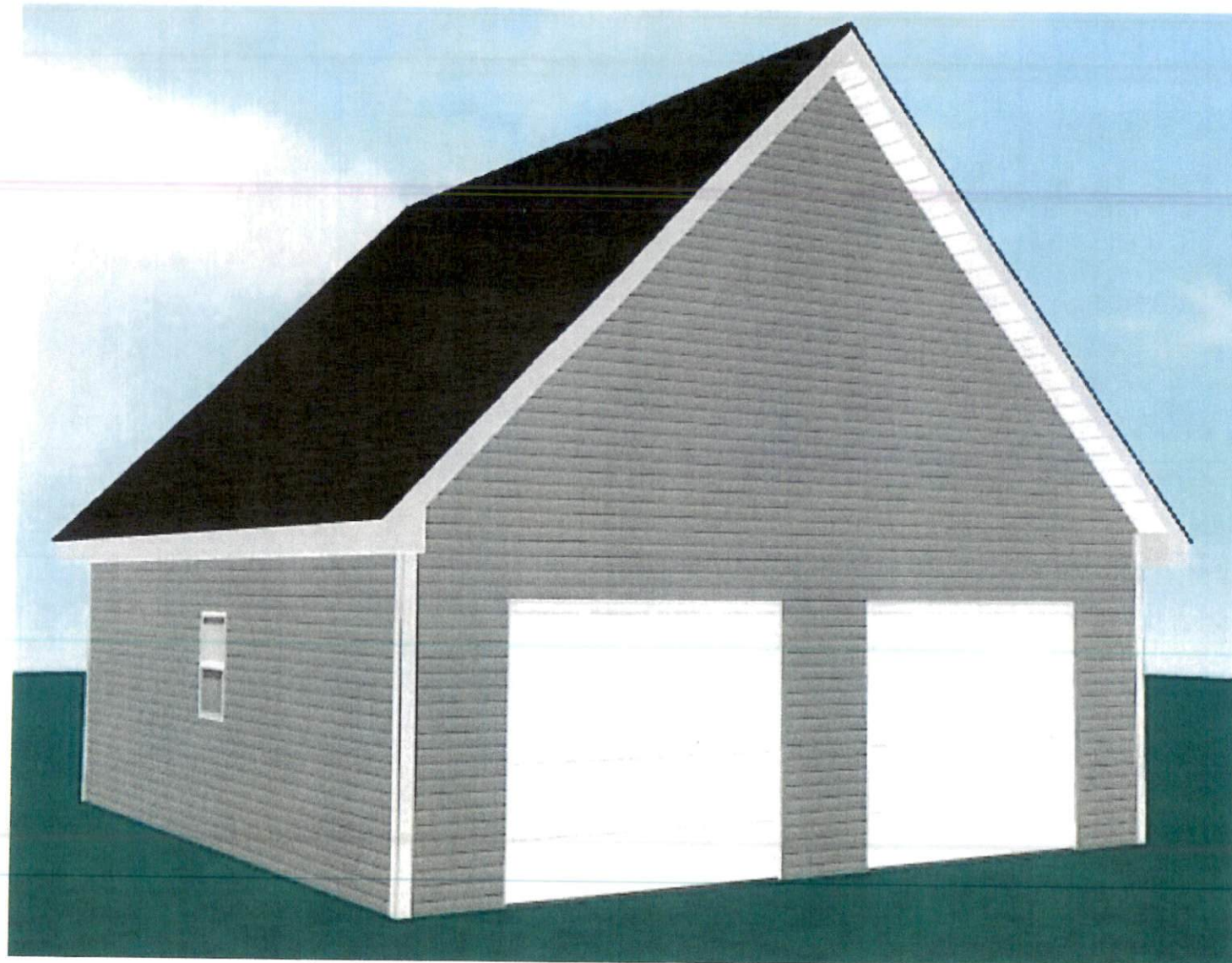
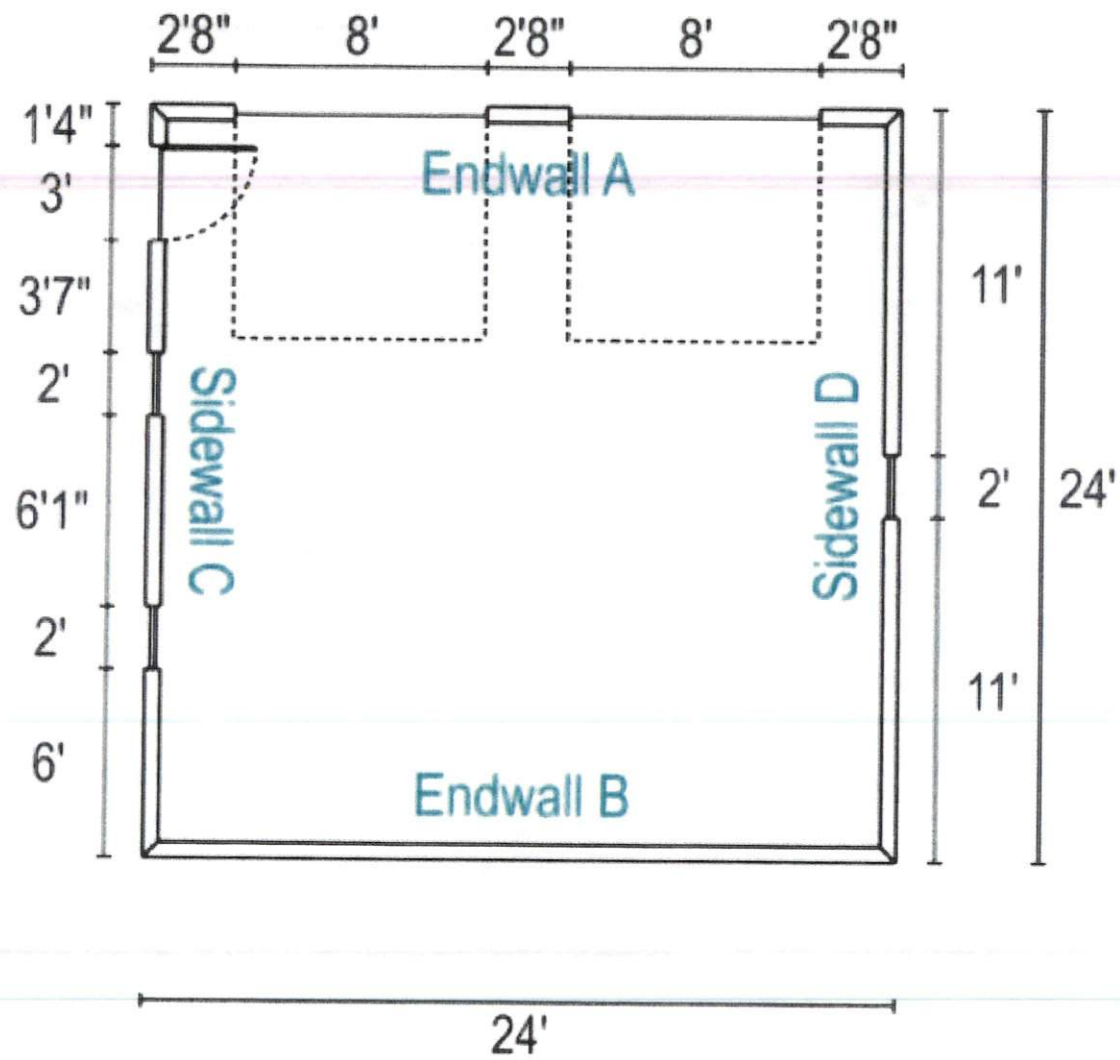
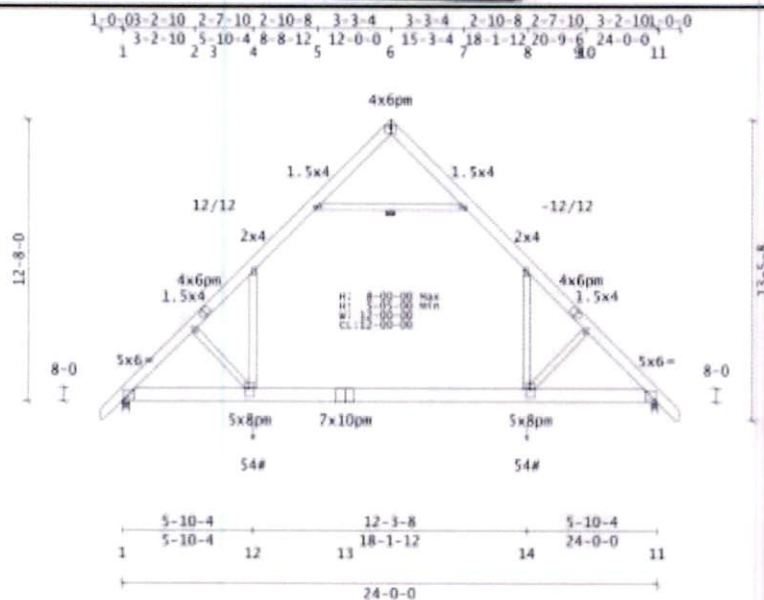










Truss Weight = 198.0 lb

Code/Design: IRC-2015/TF1-2014

PSF Live Dead Dur Factors
 TC 30.0 7.0 Live Wind Snow
 BC 0.0 10.0 Lum 1.15 1.60 1.15
 Total 47.0 Plt 1.15 1.60 1.15
 Spacing: 2-00-00 o.c. Pile: 1
 Repetitive Member Increase: Yes
 Green Lumber: No Wet Service: No
 Tab Tolerance: 1% Creep (Max) = 2.0
 OH Soffit Load: 1.0 psf

Snow Load Specs

ASCE7-10 Ground Snow (Pg) = 40.0 psf
 Risk Cat: II Terrain Cat: B
 Roof Exposure: Fully Exposed
 Thermal Condition: Cold
 Ventilated (Y/N):
 Unobstructed Slippery Roof: No
 Low-Slope Minimum (Pmin): No
 Unbalanced Snow Loads: Yes
 Rain Surcharge: No Ice Dam Chk: Yes

Wind Load Specs

ASCE7-10 Wind Speed (V) = 110 mph
 Risk Cat: II Exposure Cat: B
 Bldg Dims: L = 0.0 ft B = 0.0 ft
 M.R.N (h) = 15.0 ft Kst = 1.0
 Bldg Enclosure: Enclosed
 Wind Dir (psf): TC = 4.2 BC = 6.0
 End Vertical Exposure: L = Yes R = Yes
 Wind Uplift Reporting: ASCE7 MWYS
 C&C End Zone: 4-00-00

Additional Design Checks

10 psf Non-Concurrent SCLL: Yes
 20 psf BC Limited Storage: Yes
 200 lb BC Accessible Ceiling: Yes
 300 lb TC Maintenance Load: Yes
 2000 lb TC Safe Load: No
 Unbalanced TCLL: Yes

Material Summary

TC 2x6 SP (ALSC6-2013) #1
 BC 2x6 SP 2400/2.0 1-6 6-9
 Webs 2x4 SPF #2

Reaction Summary

-----Reaction Summary (lbs)-----
 Jnt --X--Loc-- React --Up-- --Width-- --Mag-- --Mat PSI
 1 01-12 1580 0 03-08 01-14 DFL 565
 11 23-10-04 1580 0 03-08 01-14 DFL 565
 Max Horiz = -177 / +177 at Joint 1

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [12-00-00] using a 1.00 Full and 0.00 Reduced load factor.
 Attic space centered at 12-00-00 is loaded with 40.0 psf Live & 1.0 psf Dead Floor, 5.0 psf Dead Wall, 5.0 psf Dead Ceiling loads, and meets deflection criteria L/360.

See Loadcase Report for loading combinations and additional details.

Dead Loads may be slope adjusted: > 8.0/12

Loads based on maximum and minimum reactions from tie-in spans

Domain	Max	Min	Location	Dir	Description
BC	54	32	5-10-04	Vert	SidewallDL
BC	54	32	18-01-12	Vert	SidewallDL

Notes

Plates designed for Cq at 0.55 and Rotational Tolerance of 10.0 degrees

Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across these joints. A "pm" next to the plate size indicates that the plate has been user modified; see Plate Offsets for any special positioning requirements. Continuous Lateral Restraint (CLR) rows require diagonal bracing per D-WEBCLRBRACE. Alternatively, see D-WEBREINFORCE.

Deflection Summary

TrussSpan Limit	Actual (in)	Location
Vert LL L/240	L/660 (+0.43)	12-14
Vert DL L/90	L/999 (+0.18)	12-14
Vert CR L/180	L/465 (+0.61)	12-14
Max LL	0.75in	(0.01) 8Jt11
Max CR	1.25in	(0.02) 8Jt11
Ohng CR	2L/180	2L/999 (+0.00) 1-1
Ohng CR	2L/180	2L/999 (+0.00) 11-11

Bracing Data Summary

-----Bracing Data-----
 Chords; continuous except where shown
 Attic tie beam (TB) & walls; bracing indicated or rigid sheathing.

-----Purlins-----
 TB 3-05-00 8-07-00 15-05-00 2
 -----Web Bracing ----- CLR -----
 Single: 5-7
 Continuous Restraint Bracing Req'd
 See RC81-R3 3.0

Plate offsets (X, Y):

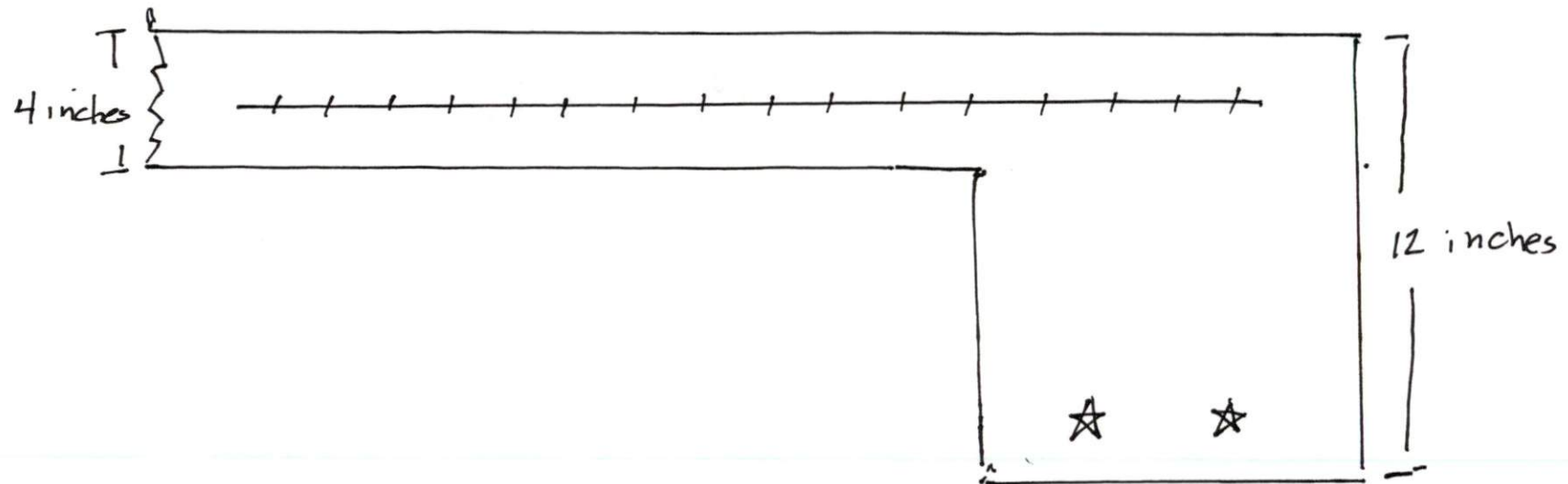
(None unless indicated below)
 Jnt6(0,-01-02), Jnt12(0,-00-08),
 Jnt14(0,-00-08)

Joint Stress Index (JSI):

Jnt1(0.36), Jnt2(0.65), Jnt3(0.56),
 Jnt4(0.85), Jnt5(0.91), Jnt6(0.33),
 Jnt7(0.91), Jnt8(0.85), Jnt9(0.56),
 Jnt10(0.65), Jnt11(0.36), Jnt12(0.44),
 Jnt13(0.94), Jnt14(0.44)



Footing Plan for 2-Car Garage
58 Plainfield Lane
Lillington, N.C. 27546
6/2/2025



not to scale

☆ - rebar

☆ - welded wire