Specification Sheet for Truss Designer

(For use with Stack Houses with 12'-14' Posts and 5/12 Pitch Roofs)

Instructions: This form shall be completed by the NRCS Representative and provided to the landowner for submittal to the truss manufacturer. A copy of the approved drawings shall also be provided to the truss manufacturer for design of the trusses. A copy of the truss certification (sealed by a professional engineer licensed in Georgia) shall be provided to the NRCS Representative prior to installation of the trusses.

Basic Data

Project/Landowner: _____

Location (County): _____

Building Geometry

Span (outside wall to outside wall) _____ ft

Building Length _____ ft

Truss Spacing _____ ft O.C.

Top Chord Pitch 5/12

Roof Purlin Spacing 24 in O.C.

Overhang 18 in

Mean Roof Height (post height + 4ft – 2in) _____ft

Endwall (yes or no)* _____

* All trusses, including the endwall, shall be the same type (flat bottom or scissor).

Design Loads (computed in accordance with IBC 2006 and ASCE 7-05)

Type Structure	Partially Enclosed
Exposure Category	C
Minimum Roof Live Load	19 psf (governs over snow load)
Basic Wind Speed	See Page 1 of Attached Drawings
Importance Factor	0.87 (0.77 for 110-120 mph wind zones)
Internal pressure Coefficient	0.55

External Pressure Coefficients (GCpf):

BUILDING SURFACE (FROM ASCE 7-05, FIGURE 6-10)									
1	2	3	4	5	6	1E	2E	3E	4E
0.54	-0.49	-0.47	-0.42	-0.45	-0.45	0.78	-0.77	-0.65	-0.60

(minus signs signify pressures acting away from surfaces)

Dead Load	
29 Gauge Galvanized Roofing	0.75 psf
Purlins (top chord only)	0.85 psf
Bracing (estimated)	1.0 psf
Deflection Limit (D + L)	l/180

Truss Connections

See attached drawings for details