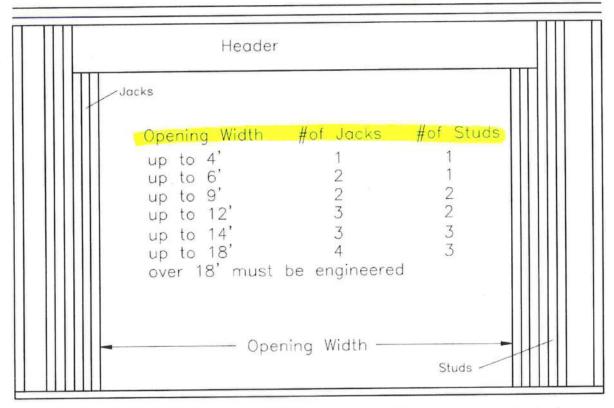
Wood Sections	Uplift				
Wood Sections		Top Connector	Rating	Bottom Connector	Rating
	Lbs	Simpson **	Lbs	Simpson **	Lbs
HEADERS					
	up to 455 lbs	LSTA9	775	H3	455
	up to 910 lbs	LSTA12	970	2-H3	910
	up to 1235 lbs	LSTA18	1235	LTT19	1350
	up to 1750 lbs	2-LSTA12	1940	LTT20	1750
	up to 2470 lbs	2-LSTA18	2470	HD2A-2.5	2565
	up to 2775 lbs	3-LSTA18	3705	HD2A-3.5	2775
	up to 3705 lbs		3705	HD5A-3	3705
To determine uplift force or	n header at each end, t	otal the uplifts for e	each truss	resting on the header a	nd divide by 2
(assumes uniform load)	Note: must u	ise proper bolt ar	chors suf	ficient to support requi	red load
Trusses/Girders - Uplift					
	- use H2.5A top, no s				
	out under 990 lbs use				
	s use TS22 or equivale				
	s use 2-TS22 or equiva				
	s use 2-TS22 or equive				
up to 3645 lbs	s use 3-TS22 or equiva				
		Must Use proper			
Note: it is the contracto	ors responsibility to	provide a contin	uous loa	d path	
from truss/rafter/ridge l	beam to foundation				
Strap rafters to truss or a	at each end with min	unlift registence	& AEO Iho	anala anal	
				each end	
Strap ridge beam at eac				each end	
Strap ridge beam at eac	h end with min uplift r	esistance of 1800) lbs		
Strap ridge beam at eac Note: Four (4) 12d comm	h end with min uplift r	esistance of 1800 e) required per tr	lbs uss/rafter	per bearing point into p	olate
Strap ridge beam at eac Note: Four (4) 12d comm to resist both lateral lo	h end with min uplift r toenails (2 on each sid ads (wall to truss) and	esistance of 1800 e) required per transverse loads	lbs uss/rafter (max pla	per bearing point into p	ding gable)
Strap ridge beam at eac Note: Four (4) 12d comm to resist both lateral lo	h end with min uplift r toenails (2 on each sid ads (wall to truss) and	esistance of 1800 le) required per transverse loads lote: these device	lbs uss/rafter (max pla ces are ir	per bearing point into p te height =12', not inclu addition to required	ding gable) I toe-nails
Strap ridge beam at eac Note: Four (4) 12d comm to resist both lateral lo	toenails (2 on each sid ads (wall to truss) and (from truss loads) - N	esistance of 1800 le) required per tro transverse loads lote: these device	uss/rafter (max pla ces are in Note: hard	per bearing point into p te height =12', not inclu a addition to required ware to be used must s	ding gable) I toe-nails atisfy both
Strap ridge beam at eac Note: Four (4) 12d comm to resist both lateral lo Horizontal Resistance	toenails (2 on each sid ads (wall to truss) and (from truss loads) - N - use H2.5A	esistance of 1800 le) required per tro transverse loads lote: these device	uss/rafter (max pla ces are in Note: hard	per bearing point into p te height =12', not inclu addition to required	ding gable) I toe-nails atisfy both
Note: Four (4) 12d comm to resist both lateral loud Horizontal Resistance (up to 110 lbs) up to 525 lbs	toenails (2 on each sid ads (wall to truss) and (from truss loads) - N - use H2.5A	esistance of 1800 le) required per tro transverse loads lote: these device	uss/rafter (max places are in Note: hard	per bearing point into p te height =12', not inclu a addition to required ware to be used must s	ding gable) I toe-nails atisfy both
Note: Four (4) 12d comm to resist both lateral loud Horizontal Resistance (up to 110 lbs) up to 525 lbs	toenails (2 on each sid ads (wall to truss) and (from truss loads) - N - use H2.5A use H10	esistance of 1800 le) required per tro transverse loads lote: these device	uss/rafter (max places are in Note: hard	per bearing point into p te height =12', not inclu a addition to required ware to be used must s porizontal resistance, co	ding gable) I toe-nails atisfy both
Note: Four (4) 12d comm to resist both lateral loud Horizontal Resistance (up to 110 lbs) up to 525 lbs	toenails (2 on each sid ads (wall to truss) and (from truss loads) - N - use H2.5A use H10	esistance of 1800 le) required per tro transverse loads lote: these device	uss/rafter (max places are in Note: hard	per bearing point into p te height =12', not inclu a addition to required ware to be used must s porizontal resistance, co	ding gable) I toe-nails atisfy both
Note: Four (4) 12d comm to resist both lateral loud Horizontal Resistance (up to 110 lbs) up to 525 lbs	toenails (2 on each sid ads (wall to truss) and (from truss loads) - N - use H2.5A use H10	esistance of 1800 le) required per tro transverse loads lote: these device	uss/rafter (max places are in Note: hard	per bearing point into p te height =12', not inclu a addition to required ware to be used must s porizontal resistance, co	ding gable) I toe-nails atisfy both
Note: Four (4) 12d comm to resist both lateral loud Horizontal Resistance (up to 110 lbs) up to 525 lbs	toenails (2 on each sid ads (wall to truss) and (from truss loads) - N - use H2.5A use H10	esistance of 1800 le) required per tro transverse loads lote: these device	uss/rafter (max places are in Note: hard	per bearing point into particle height =12', not include a addition to required ware to be used must support acceptable	ding gable) I toe-nails atisfy both
Note: Four (4) 12d comm to resist both lateral loud Horizontal Resistance (up to 110 lbs) up to 525 lbs	toenails (2 on each sid ads (wall to truss) and (from truss loads) - N - use H2.5A use H10	esistance of 1800 le) required per tri transverse loads lote: these device	uss/rafter (max places are in Note: hard	per bearing point into particle height =12', not include a addition to required laware to be used must support to be used to	ding gable) I toe-nails atisfy both
Strap ridge beam at eac Note: Four (4) 12d comm to resist both lateral lo. Horizontal Resistance (up to 110 lbs up to 525 lbs up to 1090 lbs	toenails (2 on each sid ads (wall to truss) and (from truss loads) - N - use H2.5A use H10	esistance of 1800 le) required per tri transverse loads lote: these device	uss/rafter (max places are ir Note: hard uplift and l	per bearing point into particle height =12', not include a addition to required ware to be used must support acceptable	ding gable) I toe-nails atisfy both mbination
Strap ridge beam at eac Note: Four (4) 12d comm to resist both lateral lo. Horizontal Resistance (up to 110 lbs up to 525 lbs up to 1090 lbs	toenails (2 on each side ads (wall to truss) and (from truss loads) - Nouse H2.5A use H10 suse H10 plus A23	top LSTA18*	uss/rafter (max places are ir Note: hard uplift and lof devices	per bearing point into particle height =12', not include a addition to required laware to be used must support to be used to	ding gable) I toe-nails atisfy both mbination 1350 2200
Strap ridge beam at eac Note: Four (4) 12d comm to resist both lateral lo. Horizontal Resistance (toenails (2 on each side ads (wall to truss) and (from truss loads) - Nouse H2.5A use H10 suse H10 plus A23	top LSTA18* 2-LSTA18	uss/rafter (max places are ir Note: hard uplift and lof devices	per bearing point into pute height =12', not include a addition to required laware to be used must superizontal resistance, collis acceptable Dottom	ding gable) I toe-nails atisfy both mbination 1350 2200
Strap ridge beam at eac Note: Four (4) 12d comm to resist both lateral lo. Horizontal Resistance (toenails (2 on each side ads (wall to truss) and (from truss loads) - Nouse H2.5A use H10 suse H10 plus A23	top LSTA18* 2-LSTA18 esistance of 1800 top	uss/rafter (max places are ir Note: hard uplift and I of devices	per bearing point into pute height =12', not include addition to required laware to be used must support acceptable bottom LTT19* ABU44 or ABU66 Must Use proper bolt	ding gable) I toe-nails atisfy both mbination 1350 2200
Strap ridge beam at eac Note: Four (4) 12d comm to resist both lateral lo. Horizontal Resistance (toenails (2 on each side ads (wall to truss) and (from truss loads) - Normal - use H2.5A use H10 suse H10 plus A23	top LSTA18* 2-LSTA18 ss engineering	Uss/rafter (max places are ir Note: hard uplift and I of devices 1235 2400	per bearing point into pute height =12', not include addition to required laware to be used must superizontal resistance, collis acceptable bottom LTT19* ABU44 or ABU66 Must Use proper bolt must cover sill plate	ding gable) I toe-nails atisfy both mbination 1350 2200 anchors
Strap ridge beam at each Note: Four (4) 12d common to resist both lateral lower by the resistance of the resist	toenails (2 on each side ads (wall to truss) and (from truss loads) - Normal - use H2.5A use H10 suse H10 plus A23 * or per trustequate Exterior Walls is dequate Exterior Walls is dequate Exterior Walls is dequate Exterior Walls in the content of the content o	top LSTA18* 2-LSTA18 ss engineering cottom (8d nails at 3"	Uss/rafter (max places are ir Note: hard uplift and lof devices 1235 2400 t 3" O.C.), O.C.), as l	per bearing point into pute height =12', not include addition to required laware to be used must superizontal resistance, collis acceptable bottom LTT19* ABU44 or ABU66 Must Use proper bolt must cover sill plate	ding gable) I toe-nails atisfy both mbination 1350 2200 anchors
Strap ridge beam at each Note: Four (4) 12d common to resist both lateral lower both late	toenails (2 on each side ads (wall to truss) and (from truss loads) - Nouse H2.5A use H10 suse H10 plus A23 * or per trustequate Exterior Walls bequate Exterior Walls P2 @32" O.C. in additional and the company of th	top LSTA18* 2-LSTA18 se engineering cottom (8d nails at 3" tion to sheathing	Uss/rafter (max places are ir Note: hard uplift and lof devices 1235 2400 t 3" O.C.), O.C.), as I	per bearing point into pute height =12', not include addition to required laware to be used must support the second part of the	ding gable) I toe-nails atisfy both mbination 1350 2200 anchors
Strap ridge beam at each Note: Four (4) 12d common to resist both lateral lower by the resistance of the resist	toenails (2 on each side ads (wall to truss) and (from truss loads) - Normal - use H2.5A use H10 suse H10 plus A23 * or per trustequate Exterior Walls bequate Exterior Walls P2 @32" O.C. in addition each stud an ancor	top LSTA18* 2-LSTA18 se engineering bottom (8d nails at 3" tion to sheathing	Uss/rafter (max places are ir Note: hard uplift and lof devices 1235 2400 t 3" O.C.), O.C.), as I nailing, for all inter	per bearing point into per te height =12', not include addition to required laware to be used must support the second sec	ding gable) I toe-nails atisfy both mbination 1350 2200 anchors
Strap ridge beam at each Note: Four (4) 12d common to resist both lateral lower by the resistance of the lateral lower by the resistance of the resistance of the lateral lower by the resistance of the resistance of the lateral lower by the resistance of t	toenails (2 on each side ads (wall to truss) and (from truss loads) - No-use H2.5A use H10 suse H10 plus A23 * or per trust dequate Exterior Walls be dequate Exterior Walls P2 @32" O.C. in addition each stud an ancomplete to the stud and ancomplete to the stud an ancomplete to the stud and ancomplete to the student and ancomplete t	top LSTA18* 2-LSTA18 se engineering bottom (8d nails at 3" tion to sheathing bolts @ 32" O.C. A307 or 1/2" x 6"	Uss/rafter (max places are ir Note: hard uplift and lof devices 1235 2400 t 3" O.C.), as I nailing, for all inter " wedge a	per bearing point into pute height =12', not include a addition to required liware to be used must support to be used must cover sill plate ong as sheathing coversion load bearing walls the used support to be used to be	ding gable) I toe-nails atisfy both mbination 1350 2200 anchors
Strap ridge beam at each Note: Four (4) 12d common to resist both lateral lower by the resistance of the resist	toenails (2 on each side ads (wall to truss) and (from truss loads) - Nouse H2.5A use H10 suse H10 plus A23 * or per trust dequate Exterior Walls be dequate Exterior Walls P2 @32" O.C. in addition each stud an ancorar bolts to be 1/2" x 8" is must be sheathed or state and stud an each stud each each each each each each each each	top LSTA18* 2-LSTA18 se engineering bottom (8d nails at 3" tion to sheathing bolts @ 32" O.C. A307 or 1/2" x 6" strapped to double	uss/rafter (max places are ir Note: hard uplift and it of devices 1235 2400 t 3" O.C.), as it nailing, for all inter " wedge a	per bearing point into pute height =12', not include a addition to required liware to be used must support to be used	ding gable) I toe-nails atisfy both mbination 1350 2200 anchors
Strap ridge beam at each Note: Four (4) 12d comm to resist both lateral lotherizantal Resistance (ap to 110 lbs) up to 525 lbs (ap to 1090 lbs) BEAM SEATS POSTS STUDS Wall Sheathing Nailing Add Plate, otherwise use Silves SP2 top and SP1 both have uplift. Interior ancho Please Note: All Beams An equivalent device of sail	toenails (2 on each side ads (wall to truss) and (from truss loads) - Normal - use H2.5A use H10 souse H10 plus A23 * or per trust dequate Exterior Walls in the period of the period o	top LSTA18* 2-LSTA18 se engineering cottom (8d nails at 3" tion to sheathing bolts @ 32" O.C. A307 or 1/2" x 6' strapped to double	uss/rafter (max plates are ir Note: hard uplift and it of devices 1235 2400 t 3" O.C.), O.C.), as it nailing, for all inter " wedge are top plate uted for an	per bearing point into pute height =12', not include a addition to required liware to be used must superizontal resistance, consist is acceptable Dottom	ding gable) I toe-nails atisfy both mbination 1350 2200 anchors
Strap ridge beam at each Note: Four (4) 12d common to resist both lateral lower by the resistance of the resist	* or per trustequate Exterior Walls Idequate Ide	top LSTA18* 2-LSTA18 se engineering cottom (8d nails at 3" tion to sheathing bolts @ 32" O.C. A307 or 1/2" x 6' strapped to double res can be substite s the required load	uss/rafter (max plates are ir Note: hard uplift and it of devices 1235 2400 t 3" O.C.), O.C.), as it nailing, for all inter " wedge are top plate uted for an	per bearing point into pute height =12', not include a addition to required liware to be used must superizontal resistance, consist is acceptable Dottom	ding gable) I toe-nails atisfy both mbination 1350 2200 anchors
Strap ridge beam at each Note: Four (4) 12d comm to resist both lateral lotherizantal Resistance (ap to 110 lbs) up to 525 lbs (ap to 1090 lbs) BEAM SEATS POSTS STUDS Wall Sheathing Nailing Add Plate, otherwise use Silves SP2 top and SP1 both have uplift. Interior ancho Please Note: All Beams An equivalent device of sail	* or per trustequate Exterior Walls Idequate Ide	top LSTA18* 2-LSTA18 se engineering cottom (8d nails at 3" tion to sheathing bolts @ 32" O.C. A307 or 1/2" x 6' strapped to double res can be substite s the required load	uss/rafter (max plates are ir Note: hard uplift and it of devices 1235 2400 t 3" O.C.), O.C.), as it nailing, for all inter " wedge are top plate uted for an	per bearing point into pute height =12', not include a addition to required liware to be used must superizontal resistance, consist is acceptable Dottom	ding gable) I toe-nails atisfy both mbination 1350 2200 anchors
Strap ridge beam at each Note: Four (4) 12d common to resist both lateral lower by the resistance of the resist	* or per trustequate Exterior Walls Idequate Ide	top LSTA18* 2-LSTA18 se engineering cottom (8d nails at 3" tion to sheathing bolts @ 32" O.C. A307 or 1/2" x 6' strapped to double res can be substite s the required load	uss/rafter (max places are ir Note: hard uplift and lof devices 1235 2400 t 3" O.C.), as I nailing, for all inter " wedge a top plate uted for an	per bearing point into pute height =12', not include a addition to required liware to be used must superizontal resistance, consist is acceptable Dottom	ding gable) I toe-nails atisfy both mbination 1350 2200 anchors
Strap ridge beam at each Note: Four (4) 12d common to resist both lateral lower by the resistance of the resist	* or per trustequate Exterior Walls Idequate Ide	top LSTA18* 2-LSTA18 se engineering cottom (8d nails at 3" tion to sheathing bolts @ 32" O.C. A307 or 1/2" x 6' strapped to double res can be substite s the required load	uss/rafter (max places are ir Note: hard uplift and lof devices 1235 2400 t 3" O.C.), as I nailing, for all inter " wedge a top plate uted for an	per bearing point into pute height =12', not include a addition to required liware to be used must superizontal resistance, consist is acceptable Dottom	ding gable) I toe-nails atisfy both mbination 1350 2200 anchors

Number of Jack and Stud Requirements per Opening Width 2x4 or 2x6 SPF #1&2 Construction — max Wall Height=12' (based on 16" O.C. Stud Spacing)



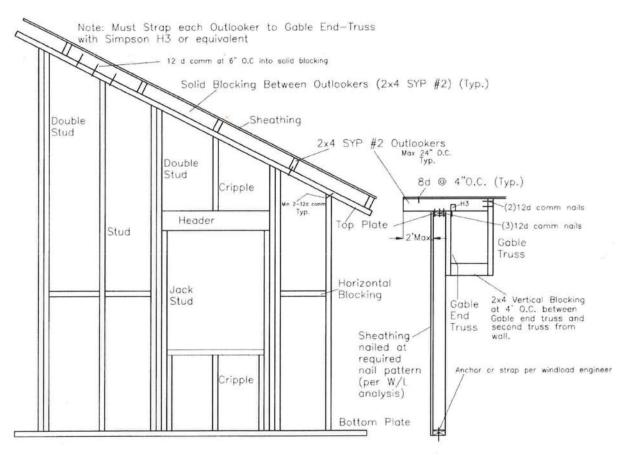
Note — Based on uniform loads. Heavy concentrated loads require engineering review

Acceptable Framing Method for Balloon Framed Gable End-Wall with trusses

Balloon Frame with 2x4 SPF No.1&2 ® 16" O.C. with the Following Conditions: Up to 12' — Block at 8'
Over 12' but Under 14' — 2x4 SYP #2 at 16" O.C. and Block at 4',8'&12'
Over 14' but Under 17' — Double 2x4 SYP #2 at 16" O.C. and block at 4',8',12'&16'
Over 17' but Under 20' — Triple 2x4 SYP #2 at 16" O.C. and block at 4',8',12'&16'
Over 20' but Under 23' — Quadruple 2x4 SYP #2 at 16" O.C.and block at 4',8',12',16'&20'
Over 23' — Must be Engineered

In all cases a minimum of a double full length stud is required at each side of openings such as doors and windows

Blocking must be parallel to top and bottom plates with a minimum of 2-12d comm nails



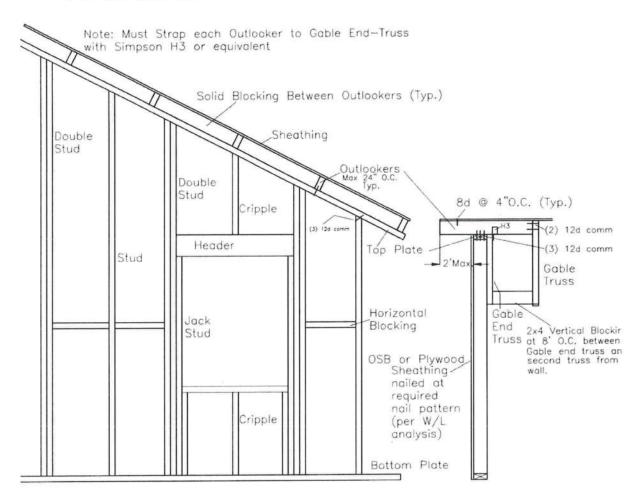
F. Sapienza, P.E.

Acceptable Framing Method for Balloon Framed Gable End-Wall

Balloon Frame with 2x6 SYP No.2 @ 16" O.C. with the Following Conditions: Up to 18' — Block at 8' and 16'
Over 18' but Under 21' — Double stud and block at 8' & 16'
Over 21' but Under 24' — Triple SYP #2 and block at 4',8',12' & 16'
Over 24' — Must be Engineered

In all cases a minimum of a double full length stud is required at each side of openings such as doors and windows

Blocking must be parallel to top and bottom plates with a minimum of $3-12{\rm d}$ comm nails



F. Sapienza, P.E.

Gable Endwall Framing with Gable End-Truss

