

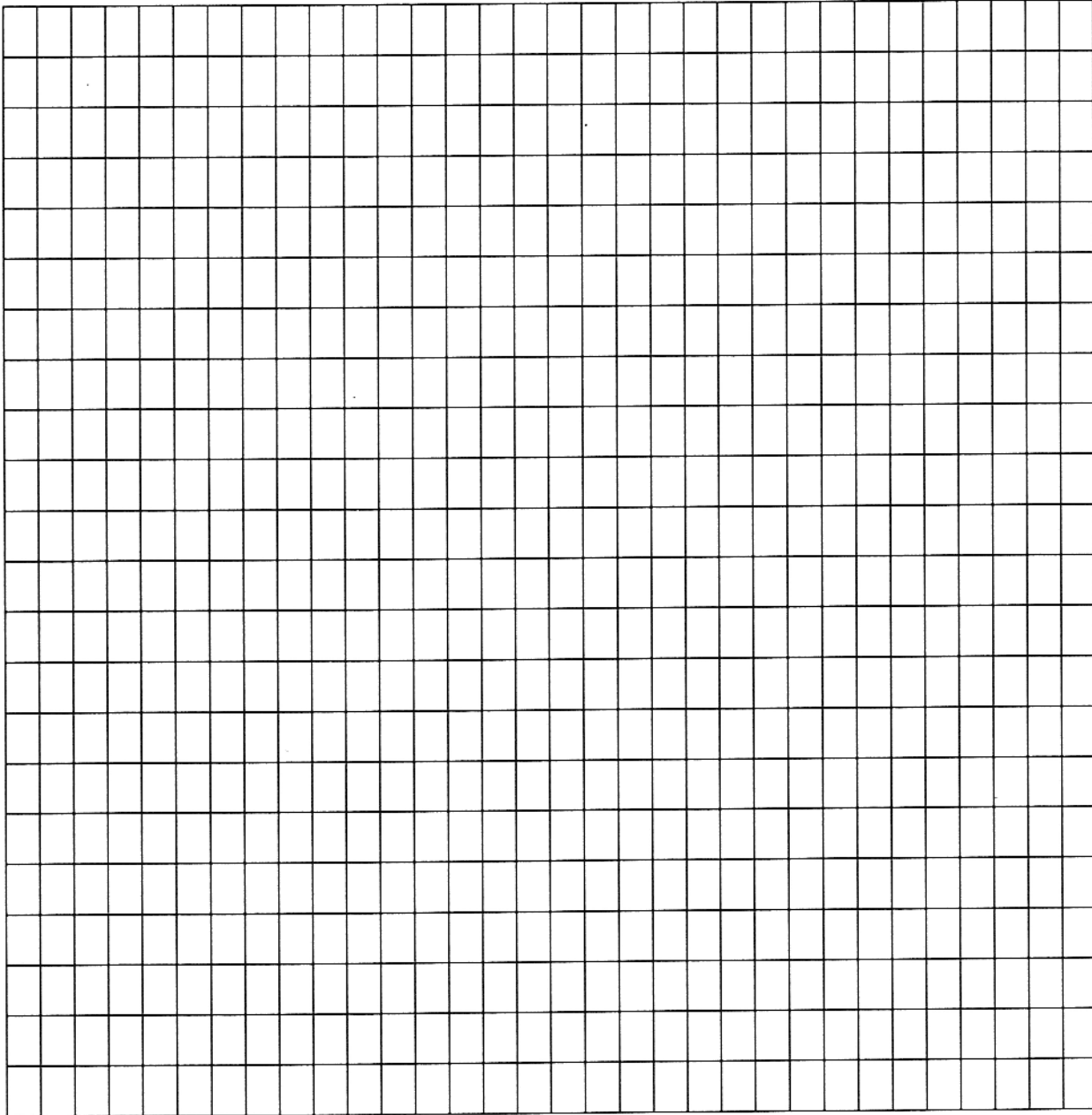
If you answer any of the questions below with a "NO", then STOP. Your plans do not qualify to use the SSTD 10-99 Standard.

BASIC DESIGN PARAMETERS	YES	NO
1. Is this a one or two family dwelling?		
2. Is the building 2 stories or less or 1,2,3 story residential concrete or masonry structure in a high wind zone?		
3. Is the building a rectangle or group of rectangles?		
4. Is the construction masonry or wood framed?		
5. Is the foundation either monolithic-slab or stemwall-pilings?		
6. Is the roof shape either gable or hip?		
7. Is the roof slope between <ul style="list-style-type: none"> • 10° (2:12) to 30° (7:12) • 33.7° (8:12) • 39.8° (10:12) • 45° (12:12) 		
8. Is the building width: <ul style="list-style-type: none"> 1 story: between 12 feet and 60 feet? 2 story: between 18 feet and 60 feet? 3 story: between 18 feet and 60 feet? <i>(for concrete and masonry buildings)</i> 		
9. For slab on grade- 3 feet or less in height?		
10. Is ceiling height 20 feet or less?		
11. Is eave height 30 feet or less?		
12. Is the roof overhang, eave at sidewall 4 ft or less?		

KEY PLAN

Show the building outline, labeling each individual rectangle used for the building geometry compliance. Please show each floor separately. Correspond each rectangle with the geometry starting on sheet 4.

LABEL EACH ENDWALL AND SIDEWALL FOR EACH RECTANGLE SHOWN



***MUST BE DETAILED ON PLANS**

TO BE COMPLETED BY APPLICANT		BUILDING DEPT USE ONLY
SECTION	DESCRIPTION	
102.1	BUILDING GEOMETRY	
	Rectangle #1	
	Building Length: feet	OK () Note:
	Building Width: feet	OK () Note:
	L/W Ratio:	OK () Note:
	Stories:	OK () Note:
	Ceiling Heights:	
	1st floor: feet	OK () Note:
	2nd floor: feet	OK () Note:
	3rd floor: feet	OK () Note:
	Eave Height: feet	OK () Note:
	Roof Shape:	OK () Note:
	Roof Slope:	OK () Note:
	Overhang: inches	OK () Note:
	Rake: inches	OK () Note:
	Rectangle #2	
	Building Length: feet	OK () Note:
	Building Width: feet	OK () Note:
	L/S Ratio:	OK () Note:
	Stories	OK () Note:
	Ceiling Heights:	
	1st floor: feet	OK () Note:
	2nd floor: feet	OK () Note:
	Eave height: feet	OK () Note:
	Roof Shape:	OK () Note:
	Roof Slope:	OK () Note:
	Overhang: inches	OK () Note:
	Rake: inches	OK () Note:

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TO BE COMPLETED BY APPLICANT		BUILDING DEPT USE ONLY
SECTION	DESCRIPTION	
102.1	BUILDING GEOMETRY	
	Rectangle #3	
	Building Length: feet	OK () Note:
	Building Width: feet	OK () Note:
	L/W Ratio:	OK () Note:
	Stories:	OK () Note:
	Ceiling Heights:	
	1st floor: feet	OK () Note:
	2nd floor: feet	OK () Note:
	3rd floor: feet	OK () Note:
	Eave Height: feet	OK () Note:
	Roof Shape:	OK () Note:
	Roof Slope:	OK () Note:
	Overhang: inches	OK () Note:
	Rake: inches	OK () Note:
	Rectangle #4	
	Building Length: feet	OK () Note:
	Building Width: feet	OK () Note:
	L/S Ratio:	OK () Note:
	Stories	OK () Note:
	Ceiling Heights:	
	1st floor: feet	OK () Note:
	2nd floor: feet	OK () Note:
	Eave height: feet	OK () Note:
	Roof Shape:	OK () Note:
	Roof Slope:	OK () Note:
	Overhang: inches	OK () Note:
	Rake: inches	OK () Note:

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SECTION	DESCRIPTION	
303	FOUNDATIONS	
303.2	Stemwall: Yes <input type="checkbox"/> No <input type="checkbox"/> (if no, go to 303.3)	OK () Note:
303.1.2	Concrete masonry Units: 8 inch ()	OK () Note:
303.1.5.1	Concrete Strength: _____ psi (2500min.) (2000 IBC) _____ psi (3000 min.) <i>Table 1904.2.2(2)</i>	OK () Note:
303.1.8.4	For Stack Bond: ___ gage reinforcement (9min)	OK () Note:
303.2.1	* Footing Width: _____ (20 inches min.)	OK () Note:
	* Depth: _____ (10 inches min.)	OK () Note:
	* Reinforcement steel size: 2 at _____ (#5 min.)	OK () Note:
303.2.2	* Height above finish grade: _____ feet (3 ft max.)	OK () Note:
303.2.21	* Bond Beam size: _____ " x _____ " (8" X 8" min.)	OK () Note:
	* Reinforcement :# _____ (5) lap: _____ inches (25 in. min)	OK () Note:
	* Vertical bars: 1-# _____ (5) at _____ ft. o.c. (8)	OK () Note:
303.2.3	* Sill plate: anchor bolts: (5/8 min.)	OK () Note:
	* washers: _____ (3" X 3" X 1/8")	OK () Note:
	Spacing: _____ o.c. (4 ft. max.)	OK () Note:
	Within _____ inches Corner (12" max.)	OK () Note:
	In lieu of anchor bolts: metal straps Brand: _____ Type: _____	OK () Note:

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TO BE COMPLETED BY APPLICANT		BUILDING DEPT USE ONLY
SECTION	DESCRIPTION	
	Monolithic Slab-On-Grade	
303.3.1	◦ Footing:	
	◦ 1 Story: ___ X ___ (20" X 12" min.)	OK () Note:
	◦ 2 Story: ___ X ___ (20"X16:min.)	OK () Note
	◦ 3 Story: ___ X ___ for concrete and masonry bldgs	OK () Note:
303.3.2	Wall to Foundation Anchorage Bottom plate anchor:	OK () Note:
	* Anchor bolt size; _____ (5/8" min.)	OK () Note:
	* Washer: _____ (3" X 3" X 1/8" min.)	OK () Note:
	* Spacing: _____ inches of corner (12" max.)	OK () Note:
	* _____ feet on center	OK () Note:
304.1	Concrete Floors Yes <input type="checkbox"/> No <input type="checkbox"/>	
304.1.2	6 X 6 Wire Mesh provided (w1.4 x w1.4) Yes <input type="checkbox"/> No <input type="checkbox"/>	OK () Note:
	Double wire for 3 ft at perimeter Yes <input type="checkbox"/> No <input type="checkbox"/>	OK () Note:
304.2	Wood Floors Yes <input type="checkbox"/> No <input type="checkbox"/>	
304.2.1	First Floor Floor joist; Group II species Yes <input type="checkbox"/> No <input type="checkbox"/>	OK () Note:
304.2.2	Floor truss (design by engineer) Yes <input type="checkbox"/> No <input type="checkbox"/>	OK () Note:
304.2.4	Floor sheathing grade: _____	OK () Note:
304.2.7	Bracing: 4 feet on center Yes <input type="checkbox"/> No <input type="checkbox"/>	OK () Note:
304.3	Floor diaphragms: required: _____ plf	OK () Note:

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TO BE COMPLETED BY APPLICANT		BUILDING DEPT USE ONLY
SECTION	DESCRIPTION	
	Second Floor	
304.2.1	Floor joist: Group II Yes <input type="checkbox"/> No <input type="checkbox"/>	OK () Note:
304.2.2	Floor truss (design by engineer) Yes <input type="checkbox"/> No <input type="checkbox"/>	OK () Note:
304.2.4	Floor sheathing grade: _____	OK () Note:
304.2.7	Bracing: 4 ft. on center Yes <input type="checkbox"/> No <input type="checkbox"/>	OK () Note:
304.3	Floor diaphragms: required: _____ plf	OK () Note:
305 T=Table	WOOD FRAMED WALLS Studs: Typical	OK () Note:
T305A	Species _____ Grade _____ Allowable Fb: _____	OK () Note: OK () Note:
T305B1	Length: _____ Spacing _____ inches	OK () Note:
	Stud size: _____ X _____ Required Fb: _____ NOTE: load bearing studs greater than 10 feet in length require engineering.	OK () Note:
305.2.2	Balloon frame gable endwall Yes <input type="checkbox"/> No <input type="checkbox"/>	OK () Note:
FIG. 305 K	Ceiling diaphragm Yes <input type="checkbox"/> No <input type="checkbox"/>	OK () Note:

***Must be detailed on plans**

HEADER BEAM SCHEDULE

Headers shall be sized as per 2000 IBC 2308.9.5/2308.9.6

Header #	Span	Size	Wall Height	Stud Spacing	Header Studs	Full Hgt Studs	Uplift At
H-1							
H-2							
H-3							
H-4							
H-5							
H-6							
H-7							
H-8							
H-9							
H-10							
H-11							
H-12							
H-13							
H-14							
H-15							

TO BE COMPLETED BY APPLICANT		BLDG. DEPT USE ONLY
SECTION	DESCRIPTION	
305.3	WIND UPLIFT LOADS	
T 305F1 See Foot Notes	Roof and Ceiling Dead Load: _____psf	OK () Note:
	Uplift at Sidewalls: _____lbs per stud	OK () Note:
T305F2	Uplift at gable endwall: _____lbs per stud	OK () Note:
305.3.7	Top Plate Splices – Nails or Bolts	
T305L1	No. of 16D Nail Per splice Required: _____ Provided: _____	OK () Note:
T305L2	No. of ½ Inch Bolts Per Splice Required; _____ Provided: _____	OK () Note:

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TO BE COMPLETED BY APPLICANT		BUILDING DEPT USE ONLY
SECTION	DESCRIPTION	
305.4	Shearwalls - Exterior	
T305P1 <i>Sidewalls</i> T305P3 <i>Endwalls</i>	Total required lengths and capacities: (Label shearwalls on Key Plan)	
	Sidewall #1: _____ ft _____ plf	OK () Note:
	Sidewall #2: _____ ft _____ plf	OK () Note:
	Endwall #1: _____ ft _____ plf	OK () Note:
	Endwall #2: _____ ft _____ plf	OK () Note:
	Sidewall #3: _____ ft _____ plf	OK () Note:
	Sidewall #4: _____ ft _____ plf	OK () Note:
	Endwall #3: _____ ft _____ plf	OK () Note:
	Endwall #4: _____ ft _____ plf	
	Add Additional Sheets if More Rectangles Are Used	
	Shearwalls Provided	
T305N1 & T305N2	Shearwalls Materials - Typical	
	Material: _____	OK () Note
	Thickness: _____	OK () Note:
	Nail Size: _____	OK () Note:
	Nail Spacing: Edge: _____ inches o.c. Interior: _____ inches o.c.	OK () Note:
	** NOTE: SHEARWALL LOCATIONS AND LENGTHS MUST BE SHOWN ON PLANS**	OK () Note:

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TO BE COMPLETED BY APPLICANT		BUILDING DEPT USE ONLY
SECTION	DESCRIPTION	
305.4.2	No shearwall segment is less than 30% of ceiling height	OK () Note:
	Double studs at ends of shearwalls or segments Yes <input type="checkbox"/> No <input type="checkbox"/>	OK () Note:
305.5	Interior shearwalls Yes <input type="checkbox"/> No <input type="checkbox"/>	OK () Note:
305.5.7	Holddowns at each end of shearwall Yes <input type="checkbox"/> No <input type="checkbox"/>	OK () Note:
FIG. 305 R3 & R4	Ceiling-Roof- 2 nd Story Connections Yes <input type="checkbox"/> No <input type="checkbox"/>	OK () Note:
*****	COMPLETE SHEARWALL CALCULATIONS TABLE	*****
306	CEILING SYSTEMS	OK () Note:
306.2.2	Ceiling Diaphragms not required for hip roof systems	OK () Note:
	Gable Endwall Balloon Framing Yes <input type="checkbox"/> No <input type="checkbox"/> (if yes, a ceiling diaphragm is not required – if no, ceiling diaphragm as per section 306)	OK () Note:
307	ROOF SYSTEMS	
	Roof System Hip <input type="checkbox"/> Gable <input type="checkbox"/>	OK () Note:

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TO BE COMPLETED BY APPLICANT		BUILDING DEPT USE ONLY
SECTION	DESCRIPTION	
307.1	* Rafter-Joist Framing Systems (For conventionally framed roof systems)	
	Rafter spacing: _____ inches o.c.	OK () Note:
	2 inch ridge board Yes <input type="checkbox"/> No <input type="checkbox"/>	OK () Note:
	Collar beam Yes <input type="checkbox"/> No <input type="checkbox"/>	OK () Note:
307.3.1	Gable end bracing provided Yes <input type="checkbox"/> No <input type="checkbox"/>	OK () Note:
307.4	* Roof Sheathing	
	Panel Material: _____ Thickness _____	OK () Note:
	Perpendicular to framing Yes <input type="checkbox"/> No <input type="checkbox"/>	OK () Note:
	End Joints Staggered Yes <input type="checkbox"/> No <input type="checkbox"/>	OK () Note:
	Nail Size: _____	OK () Note:
	Spacing: Edge _____ in. o.c. Firel _____ in. o.c.	OK () Note:
	Nails spacing at gable ends 4 in. o.c. Yes <input type="checkbox"/> No <input type="checkbox"/>	OK () Note:
	Roof System Hip <input type="checkbox"/> Gable <input type="checkbox"/>	
307.5 T307H1-2	Roof Diaphragm	
	Shear -- Endwalls _____ plf Sidewall _____ plf	OK () Note:
	Diaphragms: Blocked () Unblocked ()	OK () Note:
	Connections for wood Roof System	
	Complete anchor, Strap and TieDown Schedule in Appendix A	OK () Note:

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