

Residential Wind Analysis-110 MPH Wind Velocity:

Calculations as per Section 1606, ASCE 7-02, (see instructions below)
Attachments Required:

Job Address: TALL, FL.
Block: Subdivision

Date: 6- 16- 04

Prepared / BBT / PARKER ENG.

Design Professional

Importance Factor: I
Building Category: Enclosed /
Wind Exposure (s): B
Internal Pressure Coefficient: +/- 0.18 PSF

Plans may be used by the above named contractor as a master plan.... [] YES [X] NO Initials: _____
Mean Roof Height: 12.22 ' Roof Slope: 4 : 12
Species for top plate: [X] SPF [] SYP Stud Species: [X] SPF [] SYP
End Zone Length: 6' Stud Spacing: 16" o.c.
Longest Truss Span 20'-0"

MAX STUD HEIGHT (excluding gable end): 8'-0" MAX OVERHANGE: 1'- 4"
(excluding porches)

HURRICANE CLIPS (HC)
Brand: Truss Span or Location: End Zone Model#: Interior Zone Model#:
Simpson All Truss Locations (1) H10 (1) H10

NOTE: see gable end for special inst.
ROOF SHEATHING MATERIAL: 1/2" PLYWOOD OR 7/16 OSB

NAILING 4" o.c. EDGE 8" o.c. FIELD

SEE DRWNG. / PLAN FOR DESIGNED HOLDOWN DEVICES.
(SEE ATTACHED)
NOTE : * SEE ATTACHED PLANS FOR SHEAR WALL LOCATIONS.
SHEAR WALL NAILING = 4"o.c. EDGE AND 8" o.c. FIELD :

7/16 " OSB MATERIAL www

WALL BRACING: 7/16" OSB / 100% continuous as required (See Note 1)

Fastener: 8d Nailing Pattern: 4" o.c. Edge 8" o.c. Field

STRAPS:	TOP	BOTTOM
BRAND : SIMPSON Spacing on 1st. Floor	48" o. c.	48" o. c.
Model SPH -4 Spacing on 2nd. Floor	48" o. c.	48" o. c.
Fastener 6/ 10d		

ANCHOR BOLTS : 1/2" Dia. X 10" Long with 2" washers, spaced @ 6" from corner / 48" along wall

Matthew
6/29/04
Professional Engineer

WIND ANALYSIS FORM (2 of 3)

Job Address Bill Outlaw Syrup Shed

COMPONENTS AND CLADDING PRESSURES (WORST CASE LOADS MAY BE USED)

ROOF (List Zones)		WIND LOADS (Pressures in psf)
<u>Deck</u>	<u>A</u>	<u>-48.4</u>
<u>Deck</u>	<u>B</u>	<u>-41.8</u>
<u>Skylight</u>	<u>C</u>	<u>-56.7</u>

WALL (List Zones)		WIND LOADS (Pressures in psf)
<u>Window</u>	<u>7</u>	<u>-29.1</u>
<u>Window</u>	<u>5</u>	<u>-28.2</u>
<u>Door</u>	<u>2</u>	<u>-27.0</u>

MAIN WIND FORCE RESISTING SYSTEM (WORST CASE LOAD MAY BE USED)

ROOF (List Zones)		WIND LOADS (Pressures in psf)
<u>B</u>		<u>-20.0</u>
<u>A</u>		<u>-15.2</u>
<u>C</u>		<u>-13.2</u>
WALL (List Zones)		WIND LOADS (Pressures in psf)
<u>1</u>		<u>-12.0</u>
<u>3</u>		<u>13.3</u>
<u>8</u>		<u>-9.4</u>

SHEAR WALL INFORMATION MAY BE SHOWN ON PLAN OR LISTED (see sheet 3 of 3)

1. List length of shear wall for each major wall of the structure.
2. Indicate shear PLF provided from the sheathing material used.
3. Indicate the shear wall capacity based on the length and the PLF of structural sheathing.
4. Indicate actual shear load on all the walls.

PROVIDE GABLE END BRACING DETAIL. All vaulted or high ceilings should be balloon framed to ceiling diaphragm.

SHEAR WALL FORCES

Job Name:

BILL OUTLAW SYRUP SHED

Date:

6/16/04

PLF	Wall No. from Model	Wall Location	Wall Effective Length (ft)	Wall Force Allowable (lbs)*	Wall Force Actual (lbs)
179	5	FRONT	6.00	2,940.00	1,074.00
179	8	REAR	24.00	11,760.00	4,296.00
337	7	LEFT	14.00	6,860.00	4,718.00
337	9	RIGHT	10.00	4,900.00	3,370.00

50 gallon LP tank
minimum LP @ 20°F ≥ 50 gallon
continuous draw-off
(400K BTU/hr)

SHE



