

Remodeling & Addition to Existing Residence
for
Ed & Diane Bishop White
LAKE CITY, FLORIDA

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BUILDING DATA			
FLORIDA BUILDING CODE 2001			
OCCUPANCY CLASSIFICATION	RESIDENTIAL OCCUPANCY - GROUP R3		
CONSTRUCTION TYPE	TYPE VI, UNPROTECTED		
WIND LOAD DESIGN			
COMPLIANCE WITH CHAPTER 16, SECTION 1606 - FLORIDA BUILDING CODE 2001			
METHOD OF DESIGN	9 - ASCE 7-98		
CRITERIA			
BASIC WIND SPEED (3 SECOND GUST)	120 MPH		
WIND IMPORTANCE FACTOR AND BUILDING CATEGORY	RESIDENCE 1.0		
WIND EXPOSURE CATEGORY	B		
INTERNAL PRESSURE COEFFICIENTS			
PARTIALLY ENCLOSED BUILDING	+0.55		
	-0.55		
ENCLOSED BUILDING	+0.18		
	-0.18		
DESIGN WIND PRESSURE FOR COMPONENTS AND CLADDING (MAXIMUM VALUES)			
ROOF	-45.28 PSF		
WALLS	-44.77 PSF		
SUMMARY OF REQUIREMENTS			
ROOF SHEATHING	7/16" OSB		
FASTENERS @ EDGES	8d COMMON NAILS @ 4" OC		
@ INTERIOR	8d COMMON NAILS @ 12" OC		
TRUSS ANCHORS	MANUFACTURER SIMPSON STRONG-TIE COMPANY, INC. OR EQUAL		
TRUSS # 1	MODEL H15-2, H10-2	NUMBER REQUIRED 1 EACH	LENGTH 36' GIRDER
TRUSS # 2	MODEL H1, L1S12	NUMBER REQUIRED 1 EACH	LENGTH 36'
TRUSS # 3	MODEL H1, L1S12	NUMBER REQUIRED 1 EACH	LENGTH 22'-8" OR LESS
	H2.5 @ ALL JACK TRUSSES		
WALL CONSTRUCTION	FRAME		
ROOF TYPE	GABLE		

INDEX OF DRAWINGS	
SHEET	DESCRIPTION
COVER	• COVER, INDEX, SITE PLAN @ 1" = 30'
A 1.01	• EXISTING FLOOR PLAN @ 1/8" = 1'-0" DEMOLITION PLAN @ 1/8" = 1'-0"
A 2.01	• FLOOR PLAN @ 1/8" = 1'-0" SECOND FLOOR PLAN @ 1/8" = 1'-0"
A 4.01	• ELEVATIONS @ 1/4" = 1'-0"
A 6.01	• BUILDING SECTION @ 1/4" = 1'-0"
A 7.01	• TYPICAL WALL SECTIONS @ 3/4" = 1'-0"
M 1.01	• MECHANICAL PLAN - FIRST FLOOR @ 1/8" = 1'-0" MECHANICAL PLAN - SECOND FLOOR @ 1/8" = 1'-0"
E 1.01	• ELECTRICAL PLAN - FIRST FLOOR @ 1/8" = 1'-0" ELECTRICAL PLAN - SECOND FLOOR @ 1/8" = 1'-0"
S 1.01	• DETAILS, FOUNDATION PLAN @ 1/8" = 1'-0"
S 2.01	• ROOF FRAMING PLAN: NEW ADDITION @ 1/8" = 1'-0", NOTES, DETAILS

WIND LOAD DESIGN				
COMPLIANCE WITH CHAPTER 16, SECTION 1606 - FLORIDA BUILDING CODE 2001				
SUMMARY OF REQUIREMENTS (CONTINUED)				
WOOD STUDS				
STUD # 1	TYPE SPF NO.1-ND 2	HEIGHT 10'	SPACINGS 16" OC	2X4
	TYPE	HEIGHT	SPACINGS	2X4
SHEARWALLS AND EXTERIOR SHEATHING				
WALL SHEATHING	7/16" OSB			
TRANSVERSE SHEARWALLS (ACCUMULATED LENGTH)			84 FEET	
FASTENERS @ EDGES	8d COMMON NAILS @ 4" OC			
@ INTERIOR	8d COMMON NAILS @ 12" OC			
LONGITUDINAL SHEARWALLS (ACCUMULATED LENGTH)			33.5 FEET	
FASTENERS @ EDGES	8d COMMON NAILS @ 4" OC			
@ INTERIOR	8d COMMON NAILS @ 12" OC			
DRAG STRUT	18d COMMON NAILS @ 6" OC ALL TOP PLATES			
VERTICAL TENSION RESISTANCE				
WALL STRAPS	SIMPSON SP4 @ 48" OC @ TOP OF WALL			
SHEATHING FASTENERS	8d COMMON NAILS @ 4" OC TOP AND BOTTOM PLATES AND ALL HORIZONTAL BLOCKING			
THE COLUMNS				
ANCHORAGE TO CONCRETE SLAB				
ANCHOR BOLTS	1/2" DIAMETER @ 48" OC WITH 3" X 3" X 1/4" WASHERS			
CORNER HOLD DOWN	1/2" DIAMETER AB WITH 3X3X1/4 WASHERS @ 65" EW @ CORNERS			
DISTANCE TO FIRST ANCHOR BOLT FROM CORNER	24"			
PORCH COLUMN ANCHORS				
COLUMN TO BEAM	SIMPSON PC6B OR EQUAL			
COLUMN TO SLAB	SIMPSON ABUBB OR EQUAL			
ANCHORAGE AT WALL OPENINGS				
	SIMPSON CS18 X 24" EACH SIDE OF OPENING TOP AND BOTTOM OPENINGS TO 3'-0"			
	2 SIMPSON CS18 X 24" EACH SIDE OF OPENING TOP AND BOTTOM OPENINGS OVER 3'-0"			

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DATE
09 MAY 2005
PROJECT NUMBER
0317
PROJECT PHASE
P E R M I T
SHEET NUMBER

Robert S. Taylor, Sr.
ROBERT S. TAYLOR, SR., ARCHITECT
FLORIDA REGISTRATION AR-0007526

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