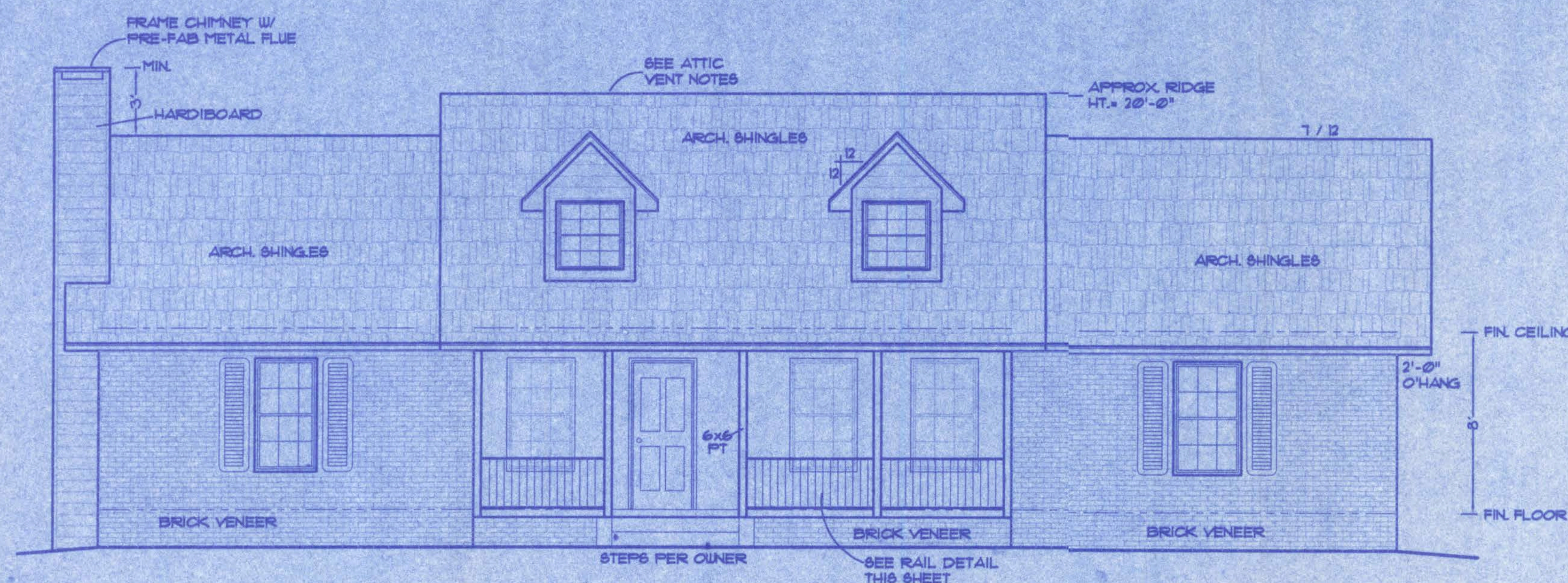
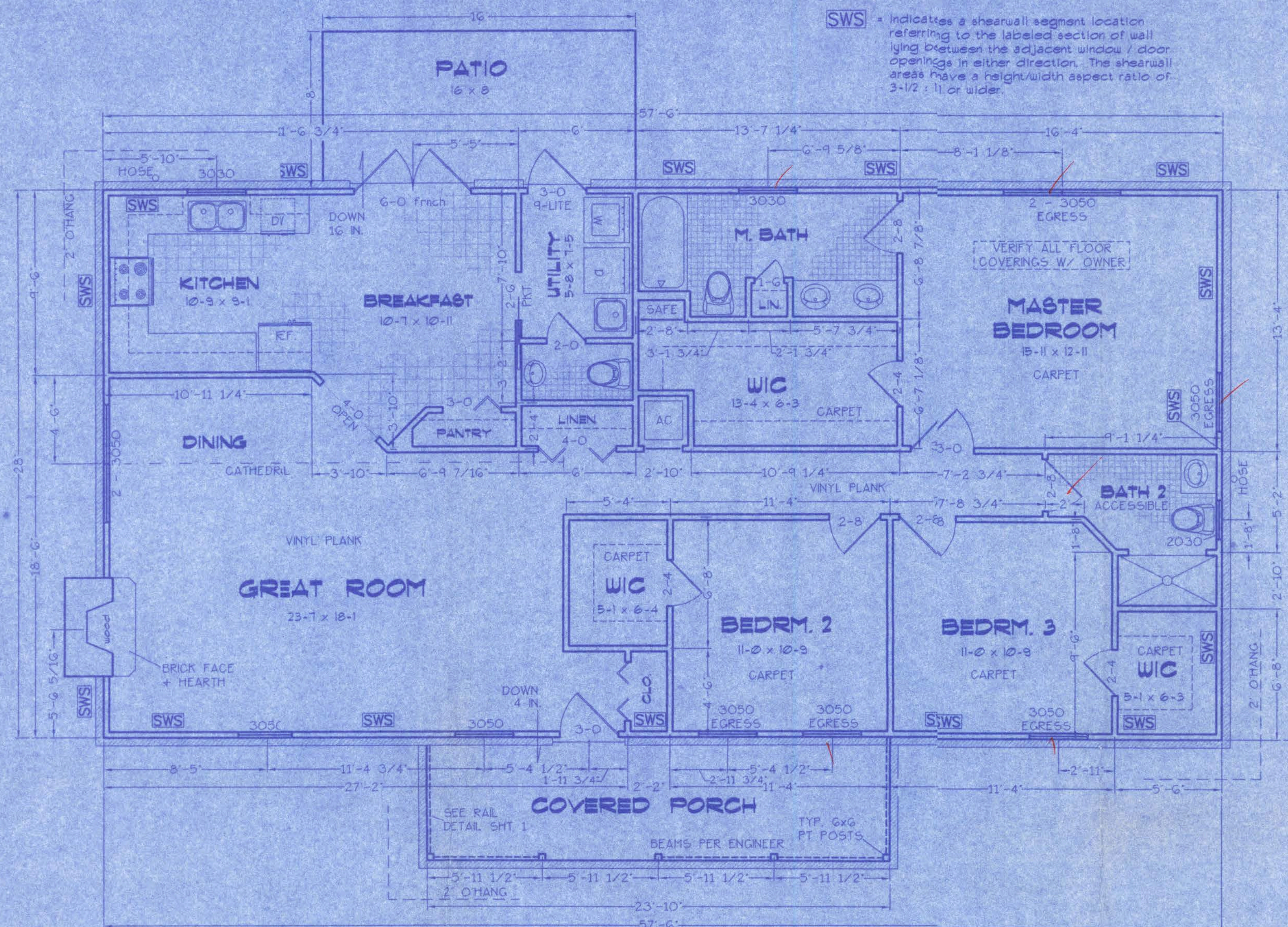


# May Residence



DESCRIPTION: LOT IS PART OF THE NE 1/4 OF SECTION 35, TOWNSHIP 4 SOUTH, RANGE 17 EAST, COLUMBIA CO., FLORIDA. 2.36 ACRES, MORE OR LESS.

- NOTES:**
1. BUILDING LOCATION PER OWNER OR CONTRACTOR.
  2. LOT DIMENSIONS TAKEN FROM SURVEY FURNISHED BY OWNER.
  3. BUILDER SHALL VERIFY ALL APPLICABLE SETBACKS, REGULATIONS AND DEED RESTRICTIONS.

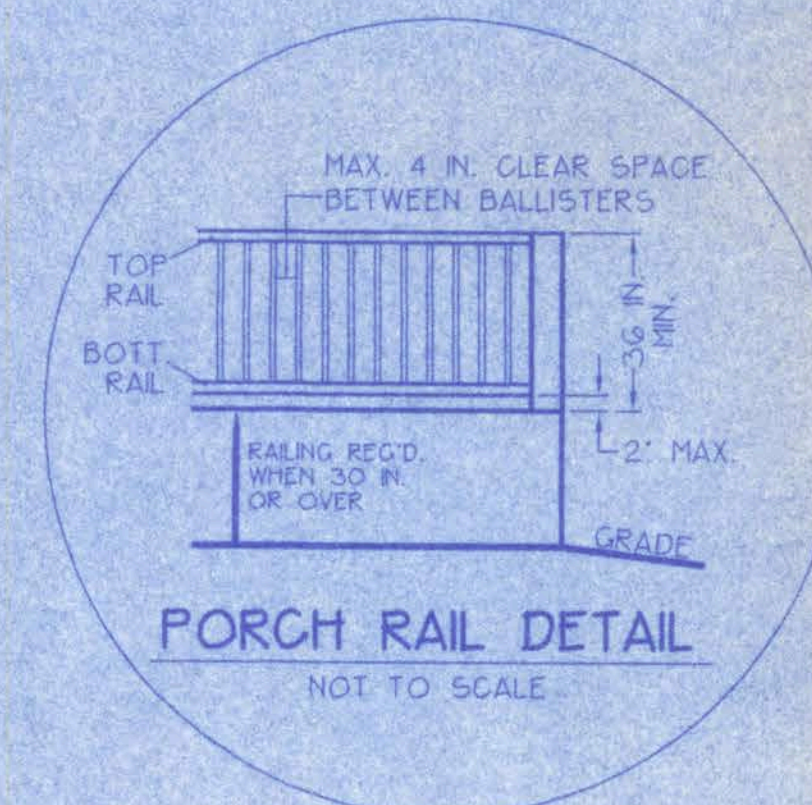
## SITE PLAN

SCALE: 1 IN. = 1 FT.

### ATTIC VENTILATION

Enclosed attics and enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters shall have cross ventilation for each separate space by ventilating openings protected against the entrance of rain. Ventilating openings shall be provided with corrosion-resistant wire mesh, with a 1/8 inch (3.2 mm) minimum to 1/4 inch (6.4 mm) maximum openings.

The total net free ventilating area shall not be less than 1 to 150 of the area of the space ventilated except that the total area is permitted to be reduced to 1 to 300, provided at least 50 percent and not more than 80 percent of the required ventilating area is provided by ventilators located in the upper portion of the space to be ventilated at least 3 feet (914 mm) above eave or cornice vents with the balance of the required ventilation provided by eave or cornice vents.



### AREA SUMMARY

CONDITIONED	1610 SF
FRONT PORCH	150 SF
TOTAL ROOF	1760 SF
PATIO	128 SF

## Index to Sheets

- SHEET A-1 - SITE PLAN + FLOOR PLAN + ELEVATIONS
- SHEET A-2 - ELEVATIONS
- SHEET A-3 - FOUNDATION + SECTIONS
- SHEET A-4 - ELECTRICAL
- SHEET S-1 - WIND ENGINEERING



## A-1

WINDLOAD ENGINEER: Mark Disoway, PE No.53915, POB 868, Lake City, FL 32056, 386-754-5419

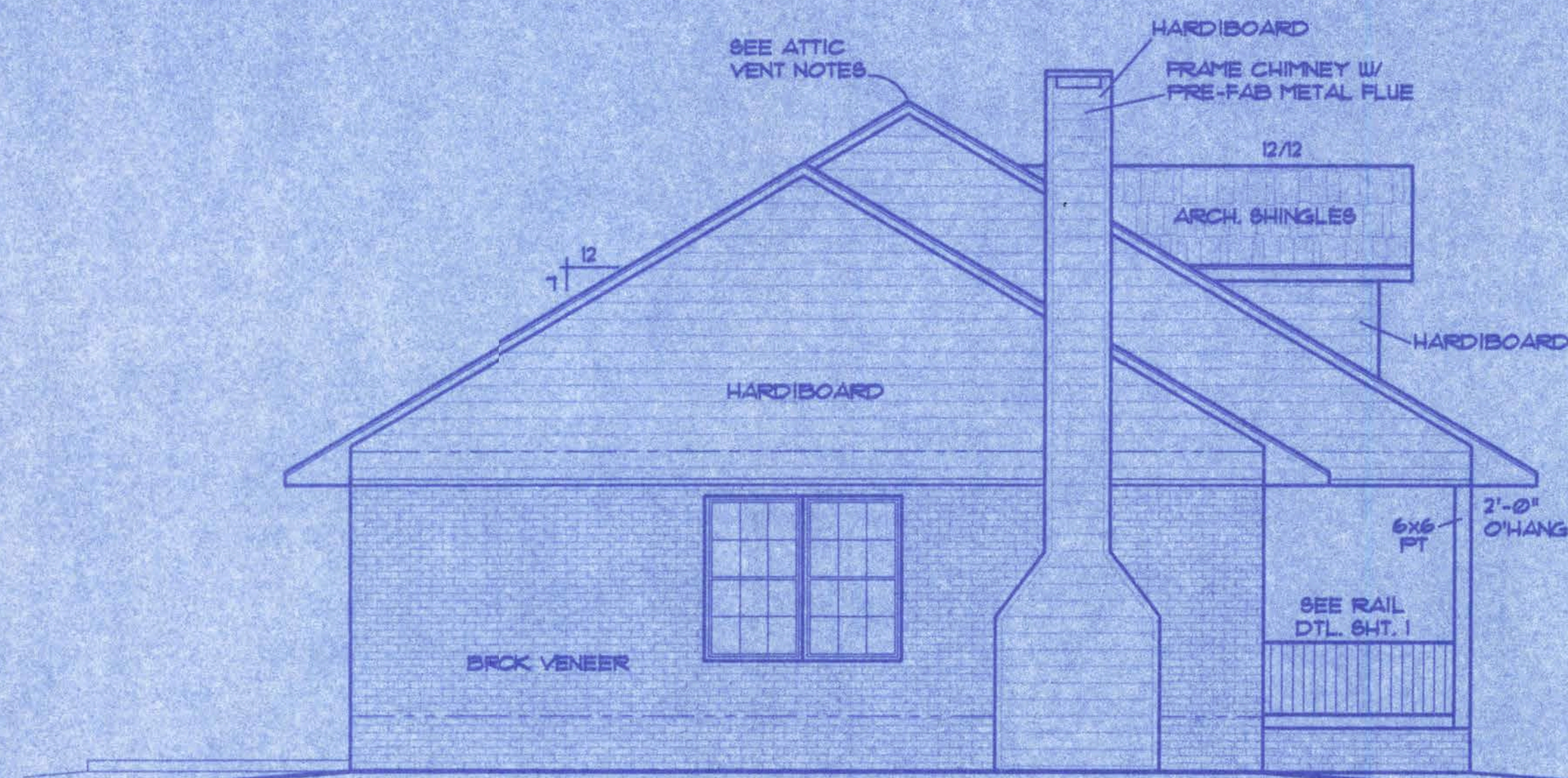
CERTIFICATION: These plans and "Windload Engineering", Sheet S-1, attached, comply with Florida Building Code Residential 2004, Section R301.2.1 to the best of my knowledge.

LIMITATION: This design is valid for one building, at specified location, permitted within 90 days of signature date. In case of conflict, structural requirements, scope of work, and builder responsibilities on sheet S-1 control.

ALFRED MARKHAM ROAD  
Location: LAKE CITY, FLORIDA Job No.: 174606

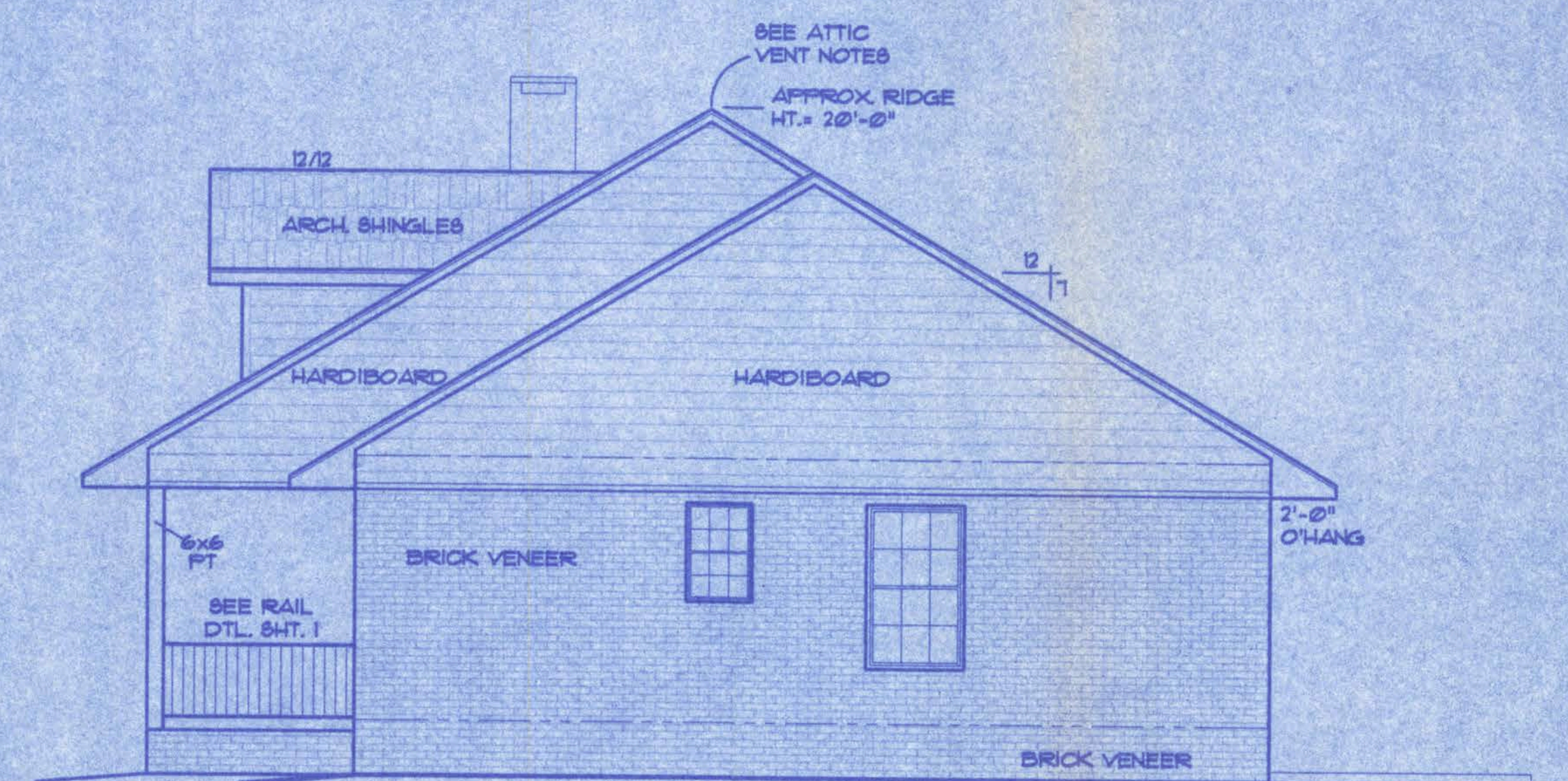
FILE: OG-031	MAY RESIDENCE	SHEET: 1 OF 4
DATE: 7-29-06		DWG FILE: OG031
DRAWN: T A D	TIM DELBENE	REV:
CHECK: T A D	Drafting + Technical Services	REV:
	142 SW Sagemead Dr. Lake City, FL 32024	
	Phone (386) 755-5881	





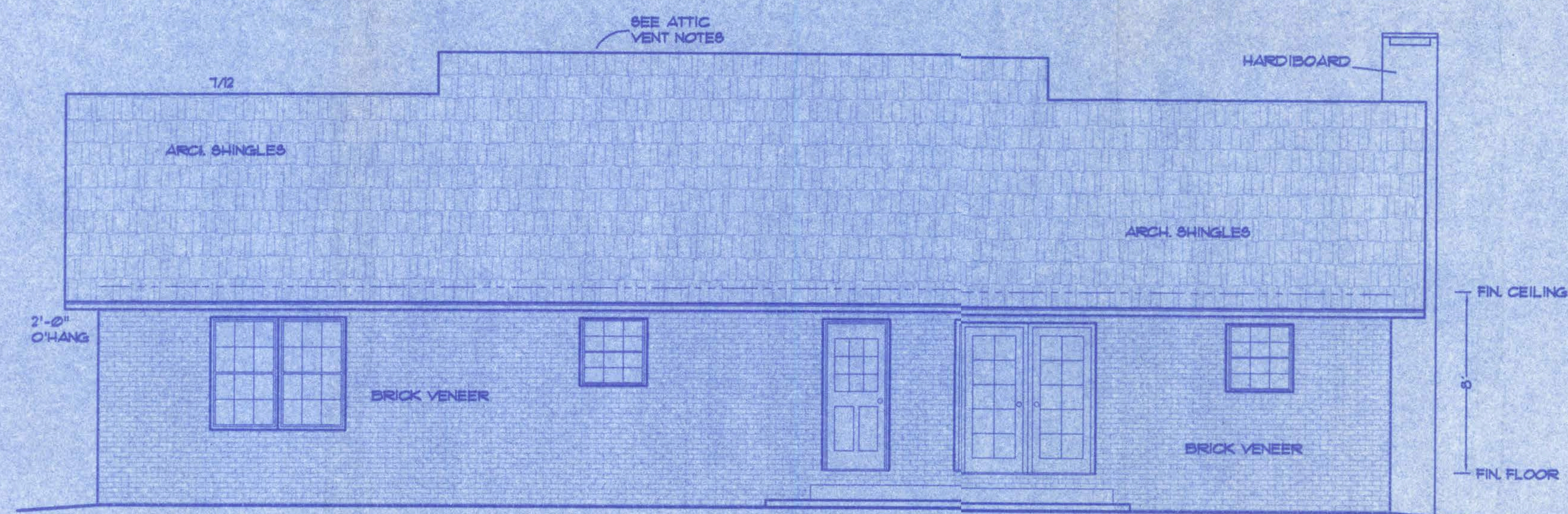
LEFT ELEVATION

SCALE: 1/4 IN. = 1 FT.



RIGHT ELEVATION

SCALE: 1/4 IN. = 1 FT.



REAR ELEVATION

SCALE: 1/4 IN. = 1 FT.

### ATTIC VENTILATION

Enclosed attic and enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters shall have cross ventilation for each separate space by ventilating openings protected against the entrance of rain. Ventilating openings shall be provided with corrosion-resistant wire mesh, with a 1/8 inch (3.2 mm) minimum to 1/4 inch (6.4 mm) maximum openings.

The total net free ventilating area shall not be less than 1 to 150 of the area of the space ventilated except that the total area is permitted to be reduced to 1 to 100, provided at least 50 percent and not more than 80 percent of the required ventilating area is provided by ventilators located in the upper portion of the space to be ventilated at least 3 feet (914 mm) above eave or cornice vents with the balance of the required ventilation provided by eave or cornice vents.

### GENERAL NOTES

- 1.) See "Wind Load Detail Sheet S-1" and Wind Engineer's Notes for data pertaining to Wind Design and compliance w/ Florida Building Code.
- 2.) All concrete used to be 2500 PSI strength or greater.
- 3.) HVAC duct and unit size/design is by engineered shop drawings from the AC contractor.
- 4.) Windows to be alum. framed and double glazed. Sizes shown are nominal and may vary with manufacturer.
- 5.) Roof Truss design is the responsibility of the supplier.
- 6.) The Truss Manufacturer shall prepare Shop Drawings indicating Truss placement, Girder locations, Truss-to-Truss Connections and any point loads. The Contractor shall notify the Designer of any point loads in excess of 2.0k for Fnd. Modification.
- 7.) Site analysis or preparation information is not a part of this plan and is the responsibility of the owner.
- 8.) Cabinet and millwork detail is not a part of this plan. The plan is a general design and details shall be the responsibility of the owner and/or contractor.

A-2

WINDLOAD ENGINEER: Mark Disoway, PE No.53915, POB 888, Lake City, FL 32056, 386-754-5419

CERTIFICATION: These plans and "Windload Engineering", Sheet S-1, attached, comply with Florida Building Code Residential 2004, Section R301.2.1 to the best of my knowledge.

LIMITATION: This design is valid for one building, at specified location, permitted within 90 days of signature date. In case of conflict, structural requirements, scope of work, and builder responsibilities on sheet S-1 control.

ALFRED MARKHAM ROAD  
Location: LAKE CITY, FLORIDA

Job No.:

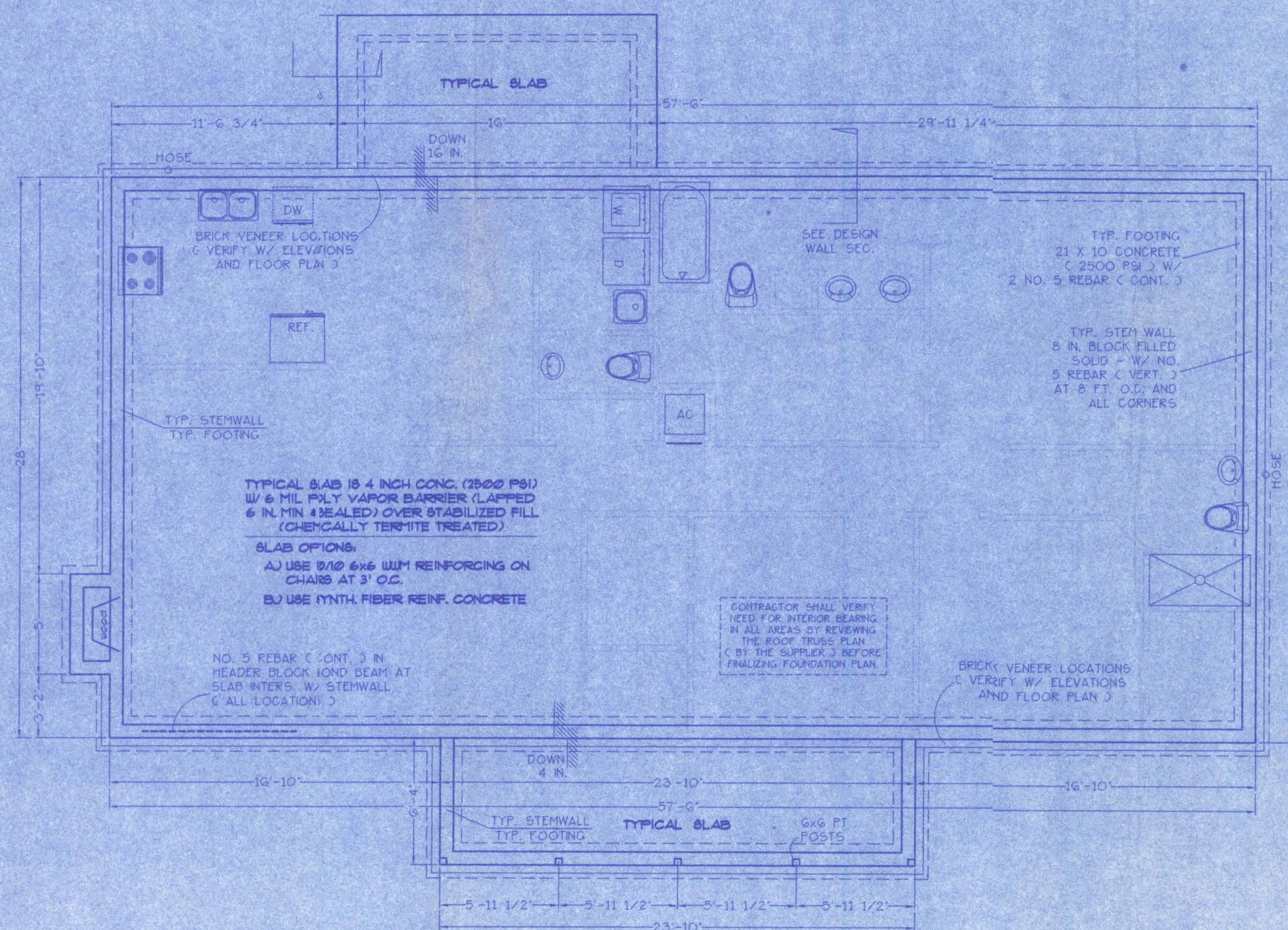
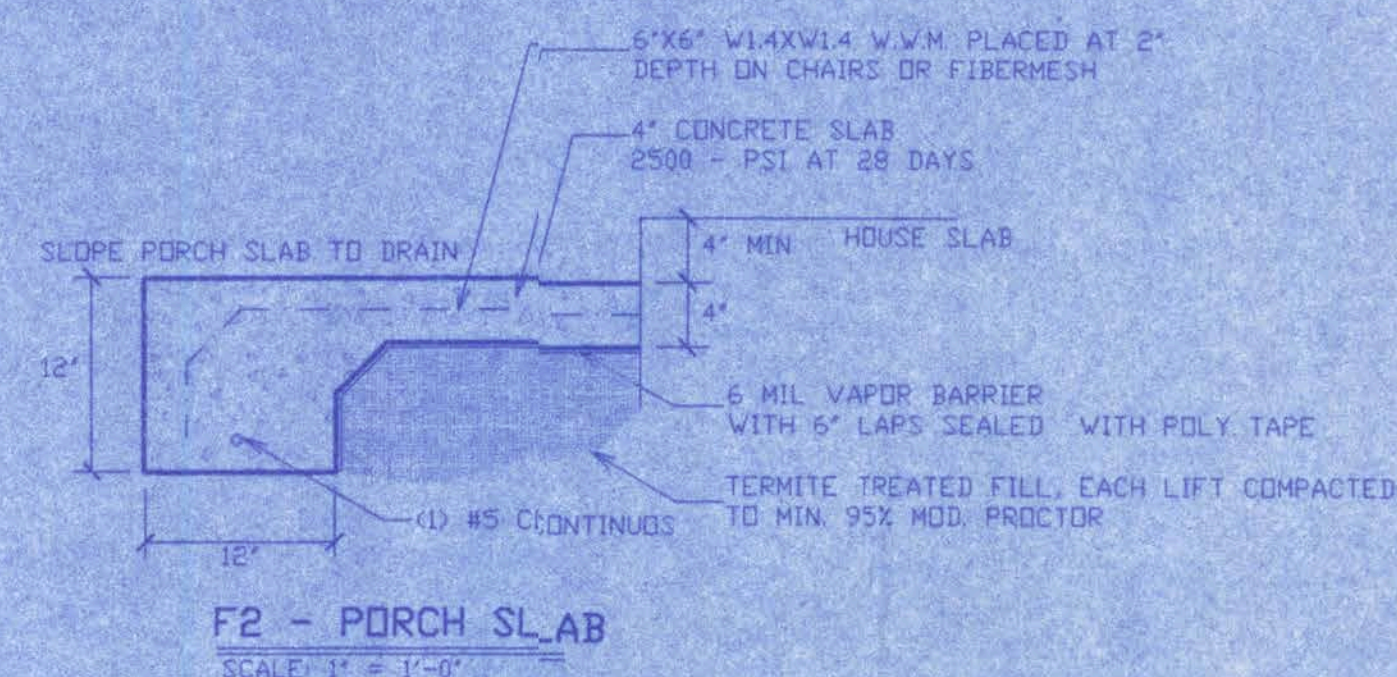
*Mark Disoway*  
17 AUG 06

FILE: OG-031	MAY RESIDENCE	SHEET: 1 OF 4
DATE: 7-29-06		CAD FILE: CG031
DRAWN: T A D	PREPARED BY: TIM DELBENE Drafting & Technical Services 192 SW Sawgrass Cir. Lake City, FL 32024 Phone: (386) 755-5891	REV:
CHECK: T A D		REV:



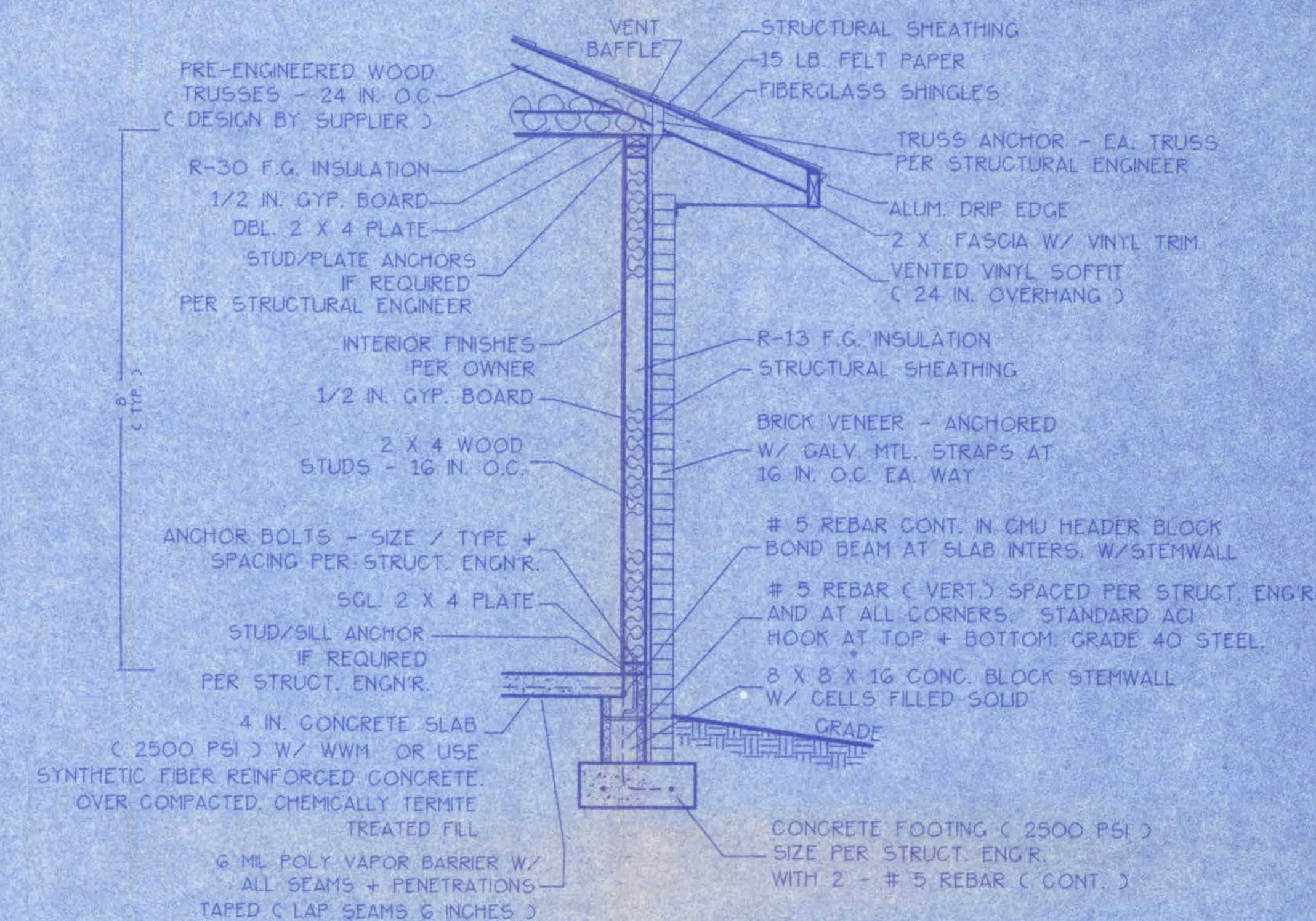
# FOUNDATION NOTES:

- CONTRACTOR SHALL DRAW ROOF TRUSS PLAN (BY SUPPLIER) TO DETERMINE ANY ADDITIONAL BEARING REQUIREMENTS BEFORE FINALIZING THE FOUNDATION PLAN.
- ALL CONCRETE IS 2500 PSI STRENGTH (MIN.)
- VERIFY DIMENSIONS WITH FLOOR PLAN.
- SITE ANALYSIS AND PREPARATION DATA IS NOT A PART OF THIS PLAN AND IS THE RESPONSIBILITY OF THE CONTRACTOR / OWNER.



## FOUNDATION PLAN

SCALE: 1/4 IN. = 1 FT.



## WALL SECTION NOTES:

- This Typical Wall Section is for Estimating purposes only.
- All data shown in this Wall Section shall be subject to review and final input by the Structural Engineer.

## DESIGN WALL SECTION NON-STRUCTURAL DATA

SCALE: 3/4 IN. = 1 FT.

A-3

WINDLOAD ENGINEER: Mark Disoway, PE No.53915, POB 868, Lake City, FL 32056, 386-754-5419

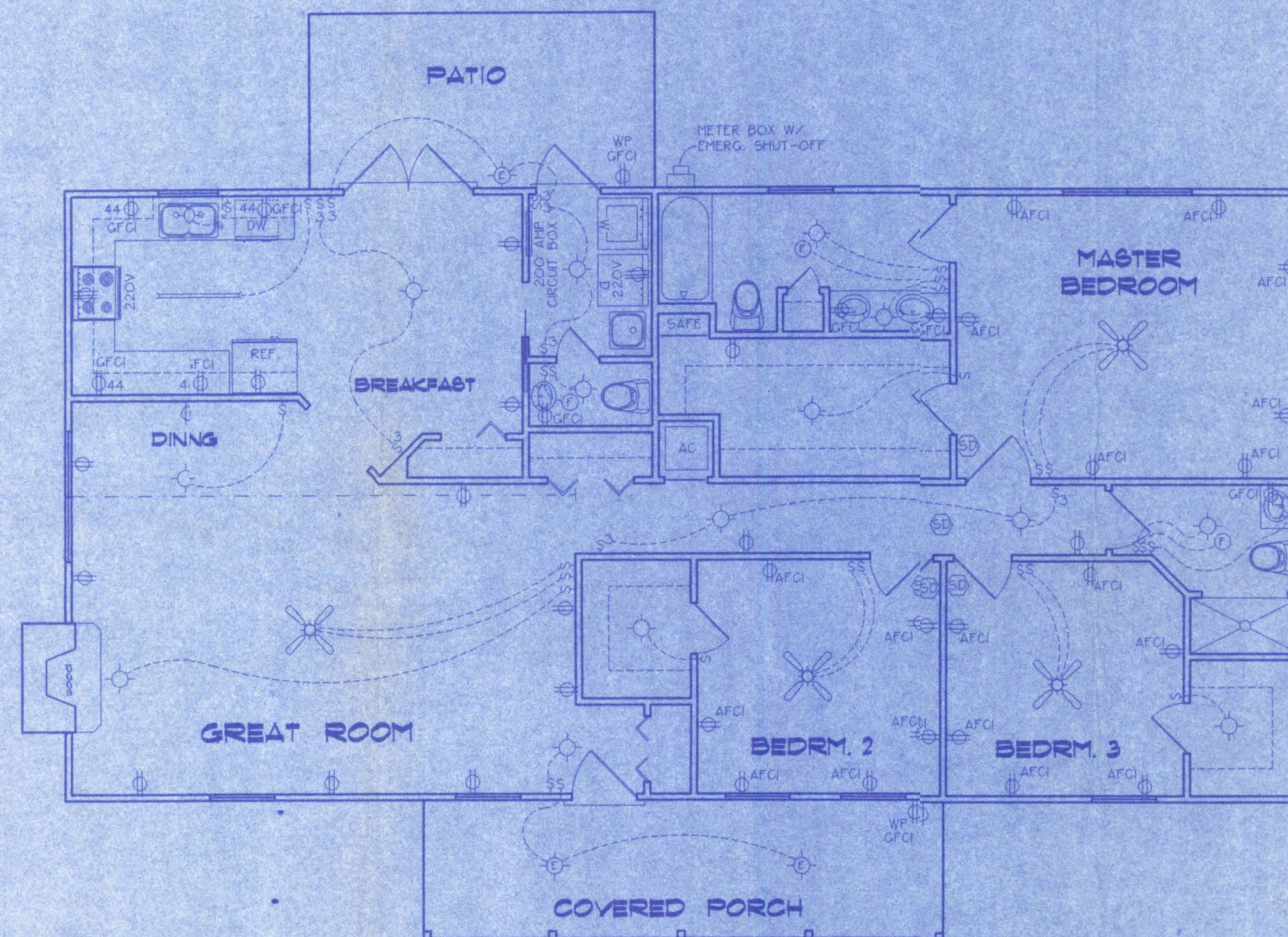
CERTIFICATION: These plans and "Windload Engineering", Sheet S-1, attached, comply with Florida Building Code Residential 2004, Section R301.2.1 to the best of my knowledge.

LIMITATION: This design is valid for one building, at specified location, permitted within 90 days of signature date. In case of conflict, structural requirements, scope of work, and builder responsibilities on sheet S-1 control.

ALFRED MARKHAM ROAD  
Location: LAKE CITY, FLORIDA Job No.:

FILE: OG-031	MAY RESIDENCE	SHEET: 1 OF 4
DATE: 7-29-06		CAD FILE: OG031
DRAWN: T A D	PREPARED BY: TIM DELBENE Drafting + Technical Services	REV:
CHECK: T A D	192 SW Sagewood Dr., Lake City, FL 32024 Phone: (386) 755-5891	REV:





**ELECTRICAL PLAN**  
NOT TO SCALE

ELECTRICAL SYMBOL LEGEND	
	= FLOURESCENT LIGHTING FIXTURE
	= CEILING LIGHT FIXTURE
	= EXTERIOR LIGHTING FIXTURE
	= LIGHT SWITCH
	= THREE-WAY SWITCH
	= 110 V. DUPLEX OUTLET
	= SPECIAL HEIGHT 110 V. DUPLEX OUTLET
	= GROUND FAULT CIRC. OUTLET
	= ARC FAULT CIRC. OUTLET
	= 110 V. SINGLE RECEPTACLE OUTLET
	= 220 VOLT OUTLET ( 4 WIRE )
	= FAN LOCATION ( CEILING )
	= FAN LOCATION ( EXHAUST )
	= SMOKE DETECTOR

**ELECTRICAL PLAN NOTES**

- WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.
- CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.
- ALL INSTALLATIONS SHALL BE PER NAT'L. ELECTRIC CODE.
- ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS.
- TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES, OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, + IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.
- ELECTRICAL CONTR. SHALL BE RESPONSIBLE FOR THE DESIGN + SIZING OF ELECTRICAL SERVICE AND CIRCUITS.
- ENTRY OF SERVICE ( UNDERGROUND OR OVERHEAD ) TO BE DETERMINED BY POWER COMPANY.

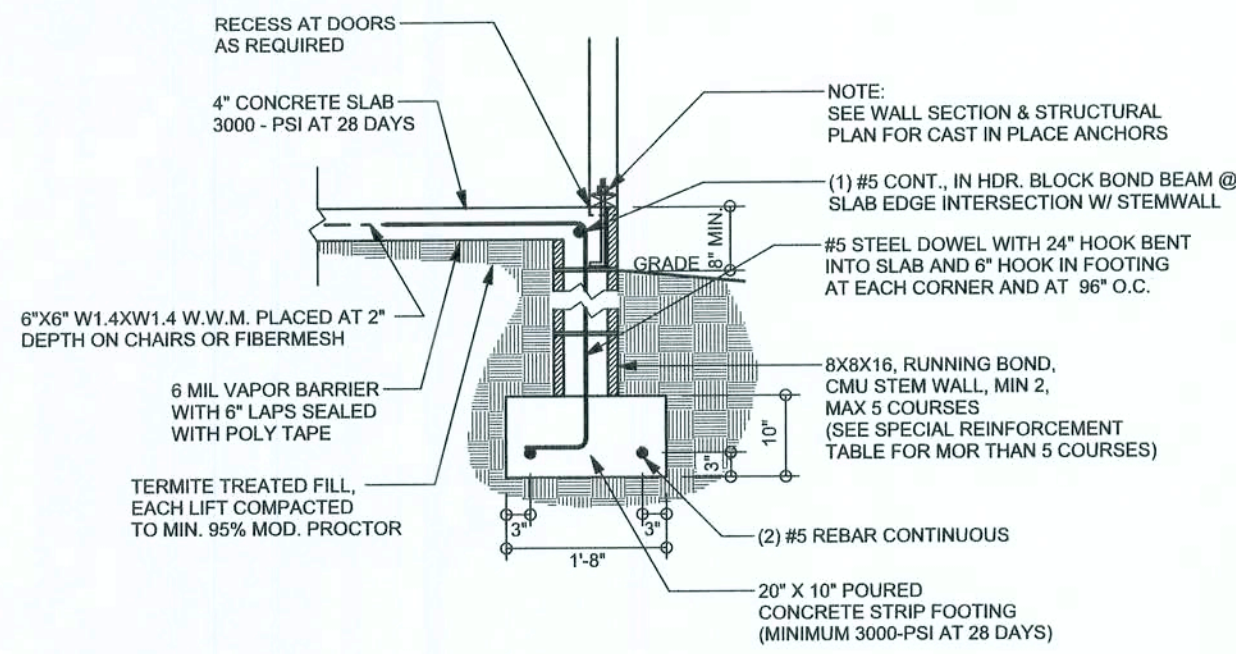
ALFRED MARKHAM ROAD  
LAKE CITY, FLORIDA

FILE: 06-031	<b>MAY RESIDENCE</b>	SHEET: 1 OF 4
DATE: 7-29-06		CAD FILE: 06031
DRAWN: T. A. D.	PREPARED BY: <b>TIM DELBENE</b> Drafting + Technical Services	REV:
CHECK: T. A. D.	192 SW Sagewood Cir. Lake City, FL 32024 Phone ( 386 ) 750-5891	REV:



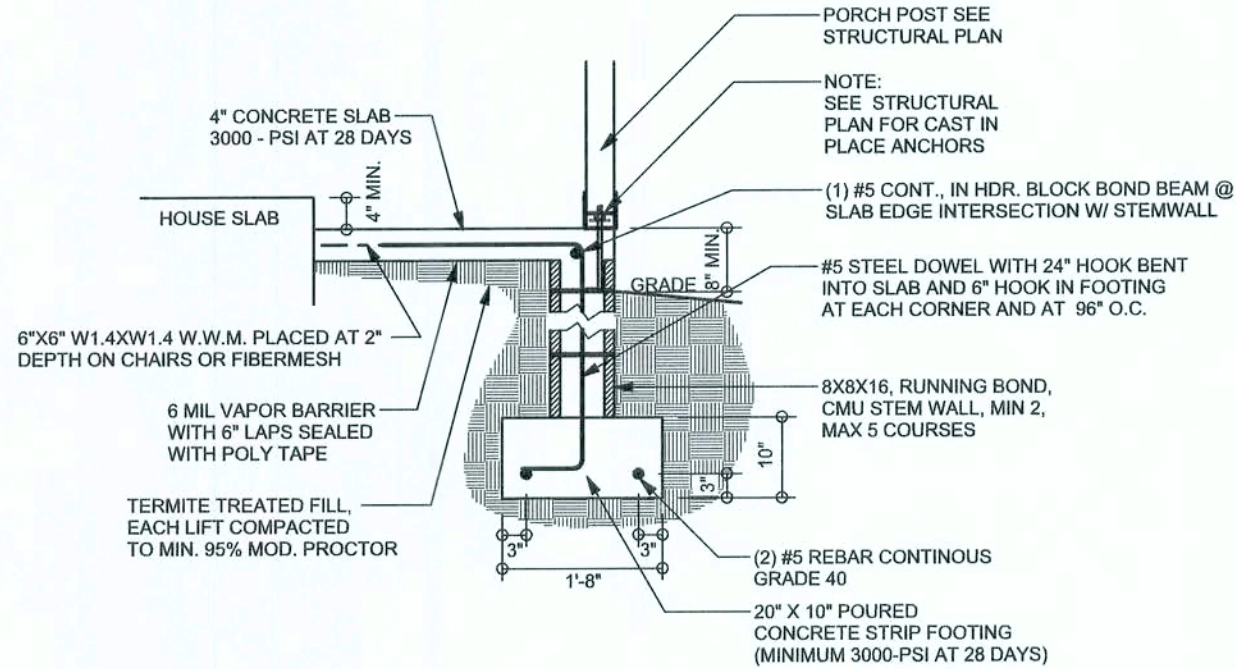






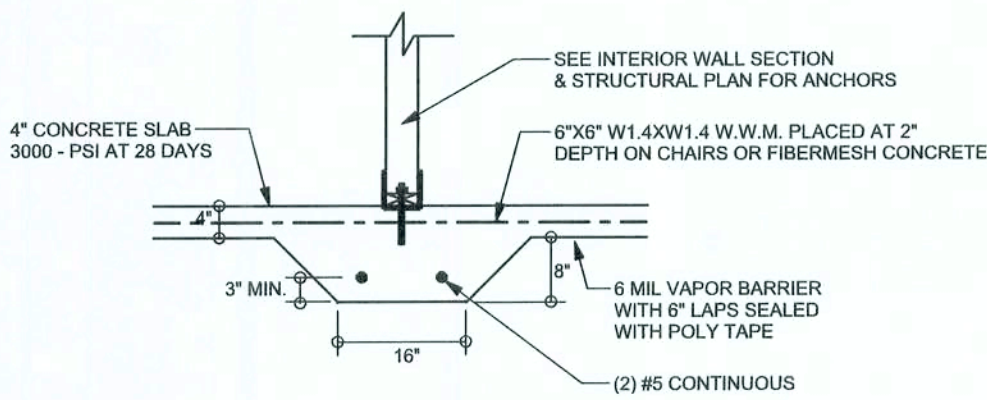
**F9**  
**S-2**

SCALE: 1/2" = 1'-0"



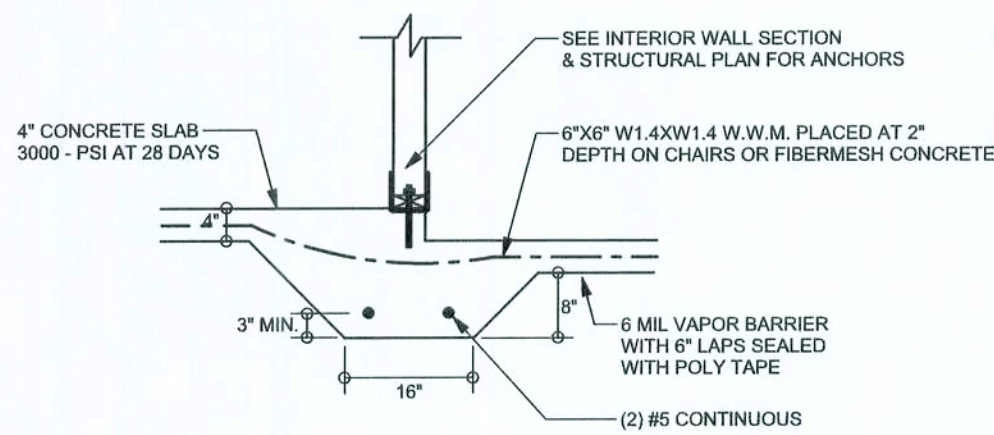
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**S-2**

SCALE: 1/2" = 1'-0"



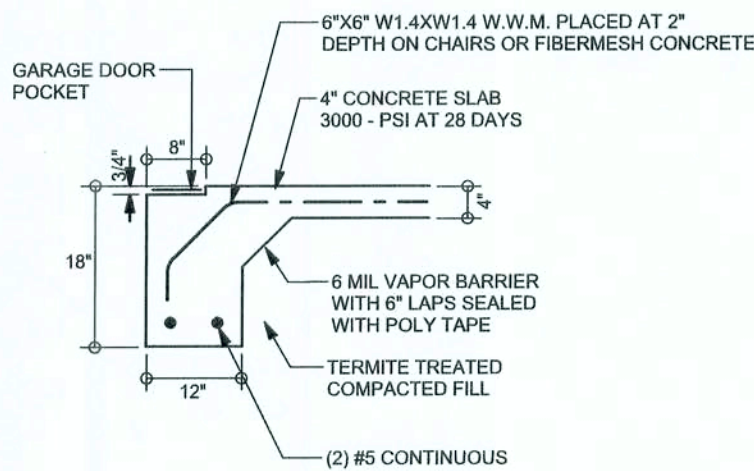
**F2**  
**S-2**

SCALE: 1/2" = 1'-0"



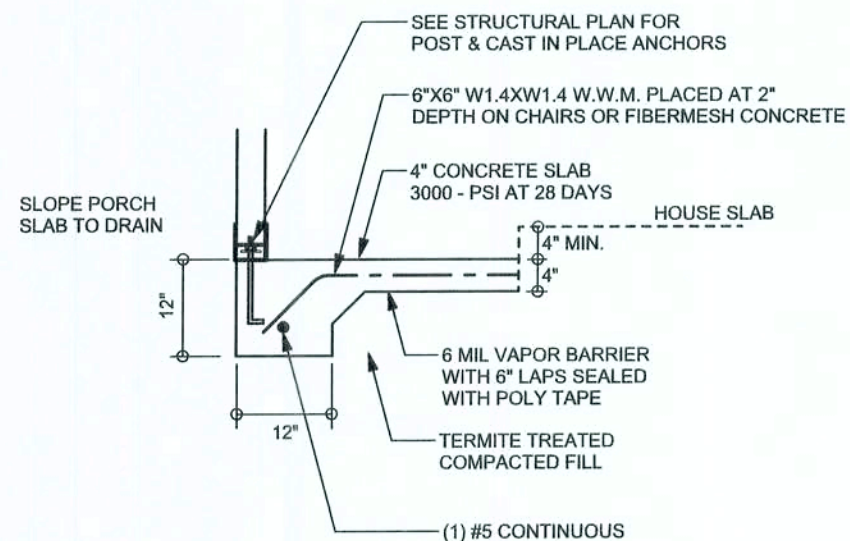
**F3**  
**S-2**

SCALE: 1/2" = 1'-0"



**F4**  
**S-2**

SCALE: 1/2" = 1'-0"



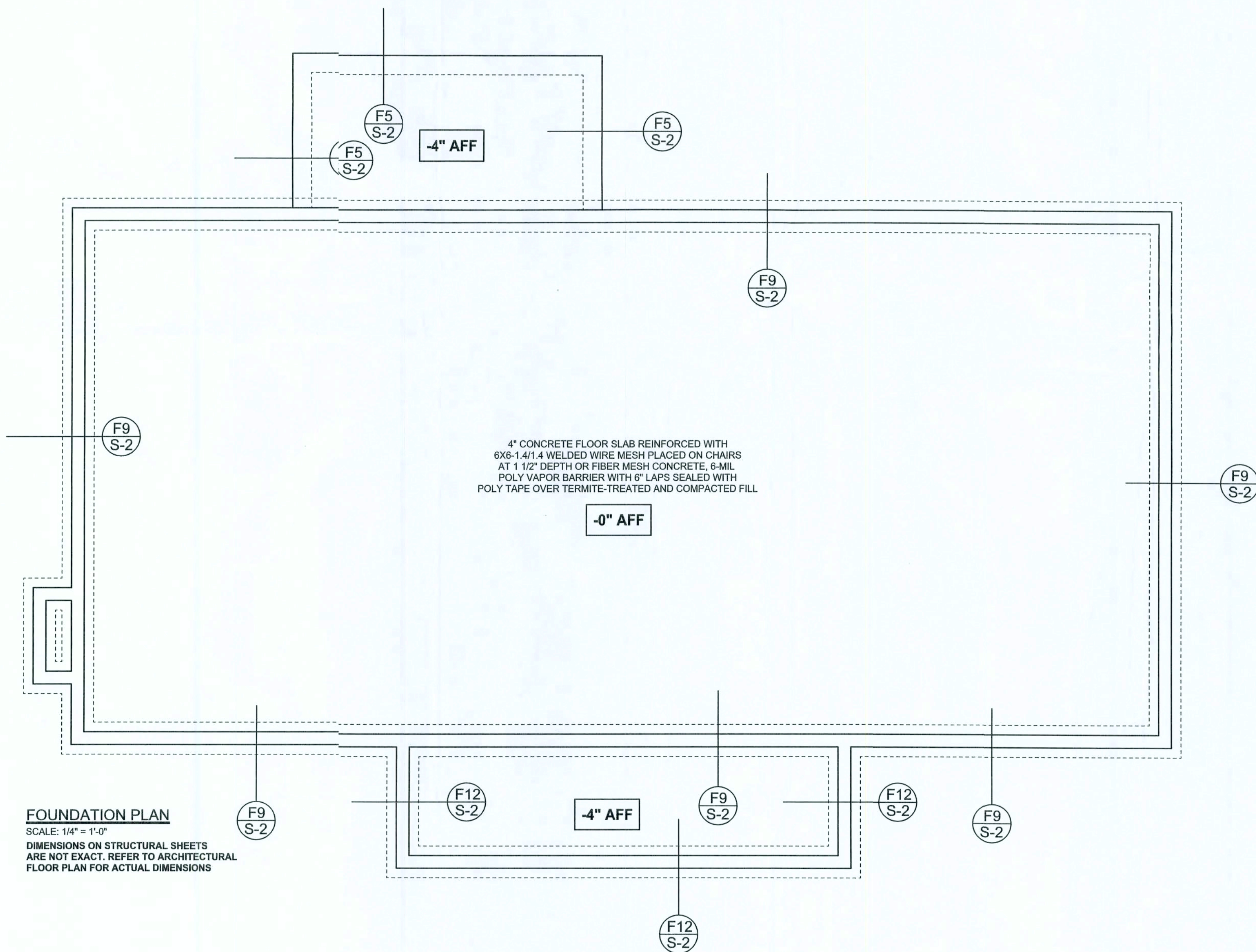
**F5**  
**S-2**

SCALE: 1/2" = 1'-0"

### TALI STEM WALL TABLE

The table assumes 60 ksi reinforcing bars with 6" hook in the footing and bent 24" into the reinforcement at the top. The vertical steel is to be placed toward the tension side of the CMU wall away from the soil pressure, within 2" of the exterior side of the wall. If the wall is over 8' high, add Duowall ladder reinforcement at 16" O.C. vertically or a horizontal bond beam with 16" continuous at mid height. For higher parts of the wall 12" CMU may be used with reinforcement as shown in the table below.

STEM WALL HEIGHT (FEET)	UNBALANCED BACKFILL HEIGHT	VERTICAL REINFORCEMENT FOR 8" CMU STEM WALL (INCHES O.C.)			VERTICAL REINFORCEMENT FOR 12" CMU STEM WALL (INCHES O.C.)		
		#5	#7	#8	#5	#7	#8
3.3	3.0	96	96	96	96	96	96
4.0	3.7	96	96	96	96	96	96
4.7	4.3	88	96	96	96	96	96
5.3	5.0	56	96	96	96	96	96
6.0	5.7	40	80	96	80	96	96
6.7	6.3	32	56	80	56	96	96
7.3	7.0	24	40	56	40	80	96
8.0	7.7	16	32	48	32	64	80
8.7	8.3	8	24	32	24	48	64
9.3	9.0	8	16	24	16	40	48



### FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS

### REVISIONS


**SOFTPLAN**  
ARCHITECTURAL DESIGN SOFTWARE

WINDLOAD ENGINEER: Mark Disosway,  
PE No. 53915, POB 868, Lake City, FL  
32059, 386754-5419

**DIMENSIONS:**  
Stated dimensions supersede scaled dimensions. Refer all questions to Mark Disosway, P.E. for resolution. Do not proceed without clarification.

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Mark Disosway, P.E. hereby expressly reserves its common law copyrights and property right in these instruments of service. This document is not to be reproduced, altered or copied in any form or manner without first the express written permission and consent of Mark Disosway.

**CERTIFICATION:** I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering, comply with Section R301.2.1, Florida Building Code Residential 2004, to the best of my knowledge.

**LIMITATION:** This design is valid for one building, at specified location.

MARK DISOSWAY  
P.E. 53915

*Mark Disosway*  
3/8/2006  
SEAL

**Mack Robinson**  
**Construction**

**May Residence**

ADDRESS:  
Alfred Markham Road  
Columbia County, Florida

Mark Disosway P.E.  
P.O. Box 868  
Lake City, Florida 32056  
Phone: (386) 754 - 5419  
Fax (386) 269 - 4871

PRINTED DATE:  
August 16, 2006

DRAWN BY: STRUCTURAL BY:  
David Disosway

FINAL DATE:  
16 / Aug / 06

**JOB NUMBER:**  
608151

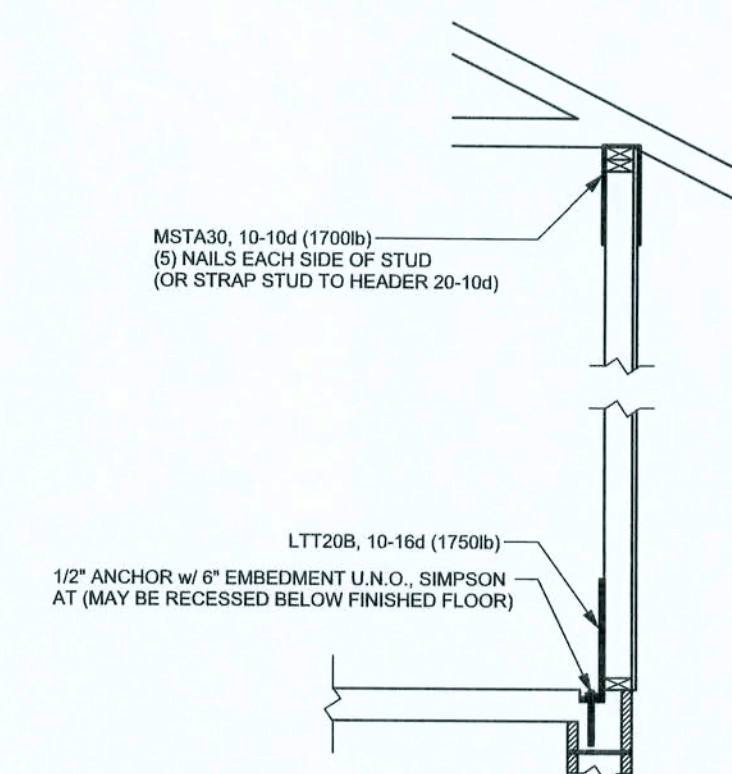
**DRAWING NUMBER**  
**S-2**

OF 3 SHEETS

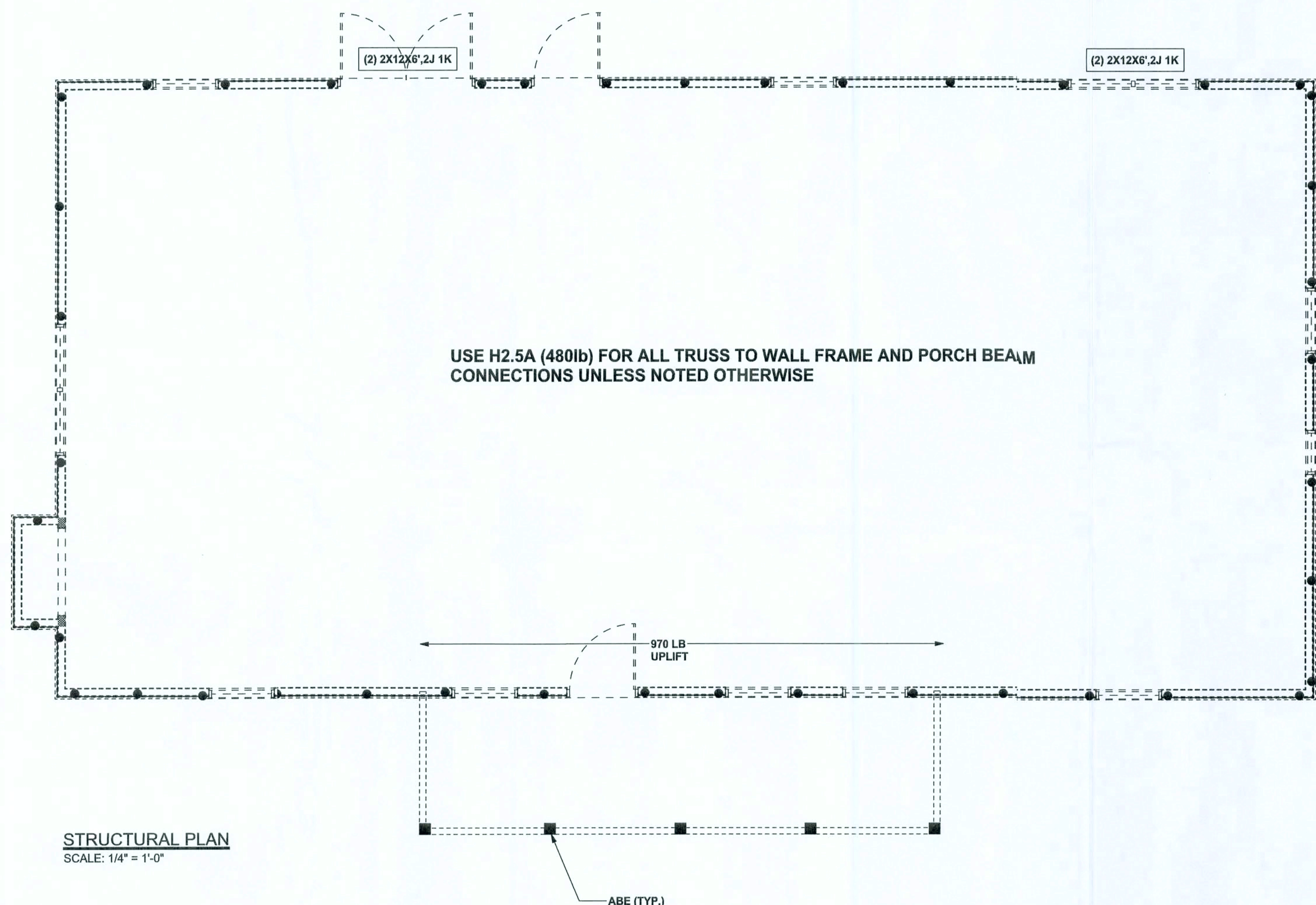


# REVISIONS


SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE



**ALTERNATE WALL TIE CONNECTION WHERE  
THREADED ROD CANNOT BE PLACED IN WALL.**  
SCALE: 1/2" = 1'-0"



**STRUCTURAL PLAN**  
SCALE: 1/4" = 1'-0"

## STRUCTURAL PLAN NOTES

- SN-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS  
SHALL BE A MINIMUM OF (2) 2X12 SYP#2 (U.N.O.)
- SN-2 ALL LOAD BEARING FRAME WALL HEADERS  
SHALL HAVE (1) JACK STUD & (1) KING STUD  
EACH SIDE (U.N.O.)
- SN-3 DIMENSIONS ON STRUCTURAL SHEETS  
ARE NOT EXACT. REFER TO ARCHITECTURAL  
FLOOR PLAN FOR ACTUAL DIMENSIONS
- SN-4 PERMANENT TRUSS BRACING IS TO BE INSTALLED AT  
LOCATIONS AS SHOWN ON THE SEALED TRUSS DRAWINGS.  
LATERAL BRACING IS TO BE RESTRAINED PER BCSI-03,  
BCSI-B1, BCSI-B2, & BCSI-B3. BCSI-B1, BCSI-B2, & BCSI-B3  
ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED  
TRUSS PACKAGE

## WALL LEGEND

SWS = 0.0'	1ST FLOOR EXTERIOR WALL
SWS = 0.0'	2ND FLOOR EXTERIOR
IBW	1ST FLOOR INTERIOR BEARING WALLS SEE DETAILS ON SHEET S-1
IBW	2ND FLOOR INTERIOR BEARING WALLS SEE DETAILS ON SHEET S-1

## THREADED ROD LEGEND

- INDICATES LOCATION OF:  
1ST FLOOR 1/2" A307 ALL THREADED ROD
- INDICATES LOCATION OF:  
2ND FLOOR 1/2" A307 ALL THREADED ROD

## HEADER LEGEND

- (2) 2X12X0', 1J 1K
- HEADER/BEAM CALL-OUT (U.N.O.)
- NUMBER OF KING STUDS (FULL LENGTH)
- NUMBER OF JACK STUDS (UNDER HEADER)
- SPAN OF HEADER
- SIZE OF HEADER MATERIAL
- NUMBER OF PLIES IN HEADER

## TOTAL SHEAR WALL SEGMENTS

SWS = 0.0' INDICATES SHEAR WALL SEGMENTS

	REQUIRED	ACTUAL
TRANSVERSE	32.5'	78.5'
LONGITUDINAL	29.6'	42.0'

CONNECTIONS, WALL, & HEADER DESIGN IS BASED  
ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING  
FURNISHED BY BUILDER: ANDERSON TRUSS  
JOB #6-294

WINDLOAD ENGINEER: Mark Discoway,  
PE No. 53915, POB 88, Lake City, FL  
32056, 386-754-0419

**DIMENSIONS:**  
Stated dimensions supersede scaled  
dimensions. Refer all questions to  
Mark Discoway, P.E. for resolution.  
Do not proceed without clarification.

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its common law copyrights and property right in  
these instruments of service. This document is  
not to be reproduced, altered or copied in any  
form or manner without first the express written  
permission and consent of Mark Discoway.

**CERTIFICATION:** I hereby certify that I have  
examined this plan, and that the applicable  
portions of the plan, relating to wind engineering  
comply with section R201.2.1, Florida building  
code residential 2004, to the best of my  
knowledge.

**LIMITATION:** This design is valid for one  
building, at specified location.

MARK DISCOWAY  
P.E. 53915

*Mark Discoway*  
16 AUG 06  
SEAL

**Mack Robinson  
Construction**

**May Residence**

ADDRESS:  
Alfred Markham Road  
Columbia County, Florida

Mark Discoway P.E.  
P.O. Box 868  
Lake City, Florida 32056  
Phone: (386) 754 - 5419  
Fax: (386) 269 - 4871

PRINTED DATE:  
August 6, 2006

DRAWN BY: STRUCTURAL BY:  
David Discoway

FINALS DATE:  
16 / Aug / 06

**JOB NUMBER:**  
608151

**DRAWING NUMBER**  
**S-3**

OF 3 SHEETS