



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



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

REQUIRED ROOF VENTILATION:  
AS PER FLORIDA BUILDING CODE R609

RIDGE VENT  
MIN. 50% TOTAL VENT AREA  
LOCATED IN THE UPPER PORTION OF ATTIC (MIN. 3' ABOVE EAVE)  
4317 S.F. / 300 x 50% = 7.1 S.F. RIDGE VENT AREA REQUIRED  
65 FEET OF RIDGE VENT REQUIRED

SOFFIT VENT  
4317 S.F. / 300 x 50% = 7.1 S.F. SOFFIT VENT AREA REQUIRED  
236 FEET OF SOFFIT VENT REQUIRED

BUILDER MUST VERIFY THE FOLLOWING MINIMUM NET FREE VENT AREAS:

1. RIDGE VENTS = 16 IN<sup>2</sup>/FT (11 FT<sup>2</sup>/FT)
2. OFF-RIDGE VENTS = 70 FT<sup>2</sup> PER 4' UNIT
3. SOFFIT VENTS = 4.3 IN<sup>2</sup>/FT (03 FT<sup>2</sup>/FT)



REVISIONS	



WINDLOAD ENGINEER:  
Mark Discoway, P.E.  
No. 53915, P.O. Box 868, Lake City, FL 32056,  
386-754-5419

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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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 DISCOWAY  
P.E. 53915  
*Mark Discoway*  
1 Aug 08  
SEA.

Johnson Builders

Spec House

ADDRESS:  
Lo 23  
Russwood Estates S/D Phase 4  
Columbia County, Florida

Mark Discoway P.E.  
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Lake City, Florida 32056  
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Fax: (386) 269 - 4871

PRINTED DATE:  
July 31, 2008

DRAWN BY: STRUCTURAL BY:  
David Discoway

FINALS DATE:  
31Jul08

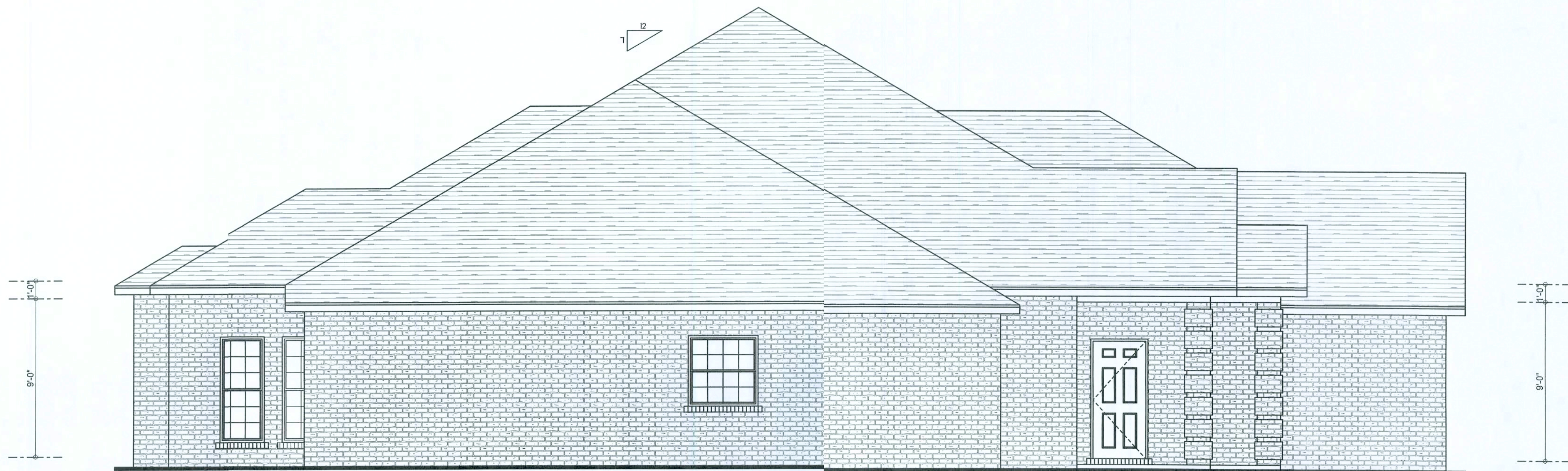
JOB NUMBER:  
807114

DRAWING NUMBER  
1

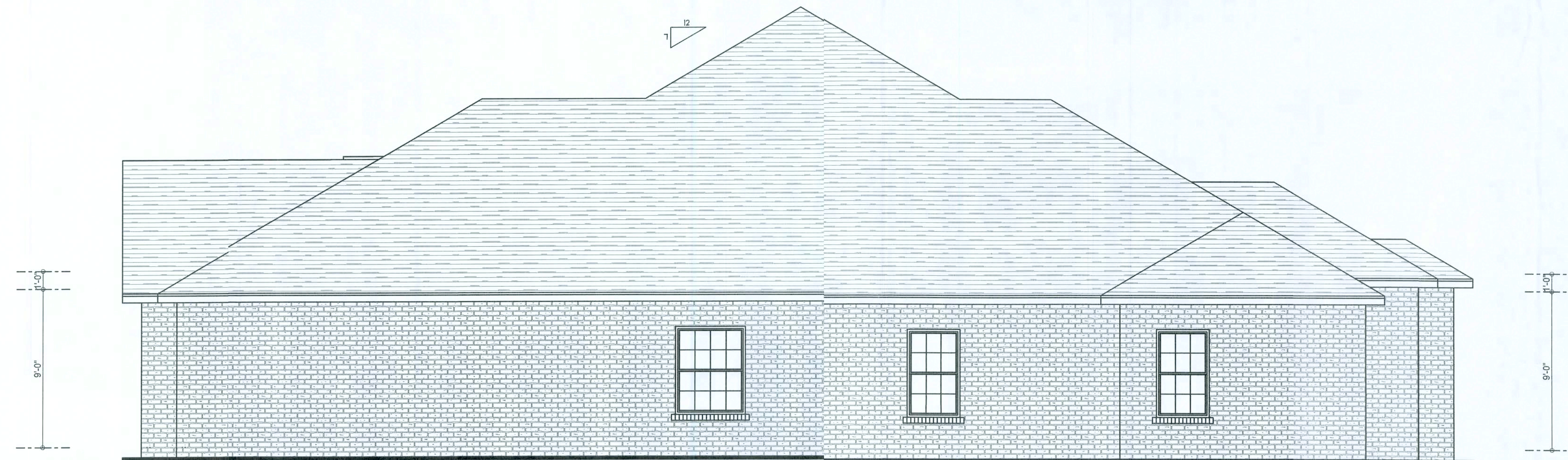
OF 7 SHEETS







**LEFT ELEVATION**  
SCALE: 1/4" = 1'-0"



**RIGHT ELEVATION**  
SCALE: 1/4" = 1'-0"

REVISIONS	

**SOFTPLAN**  
ARCHITECTURAL DESIGN SOFTWARE

**WINDLOAD ENGINEER:**  
Mark Discoway, P.E.  
No. 53815, PCB 868, Lake City, FL 32056,  
386-754-5419

**DIMENSIONS:**  
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**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 DISCOWAY  
P.E. 5015  
*Mark Discoway*  
1/14/08  
SEAL

**Johnson Builders**

Spec House

ADDRESS:  
Lc 23  
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PRINTED DATE:  
July 31, 2008

DRAWN BY: STRUCTURAL BY:  
David Discoway

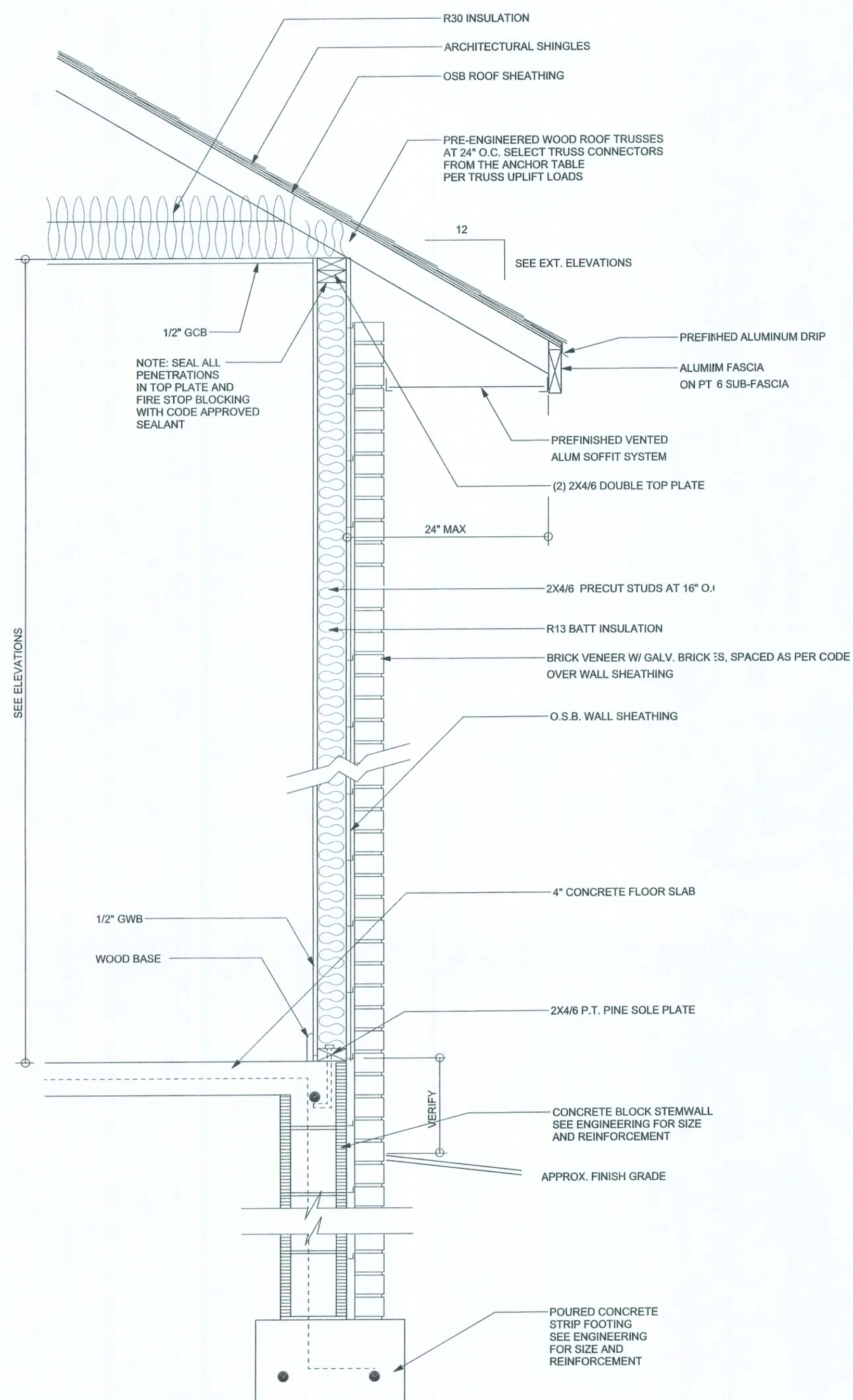
FINALS DATE:  
31 Jul 08

JOB NUMBER:  
807114

DRAWING NUMBER  
2  
OF 7 SHEETS







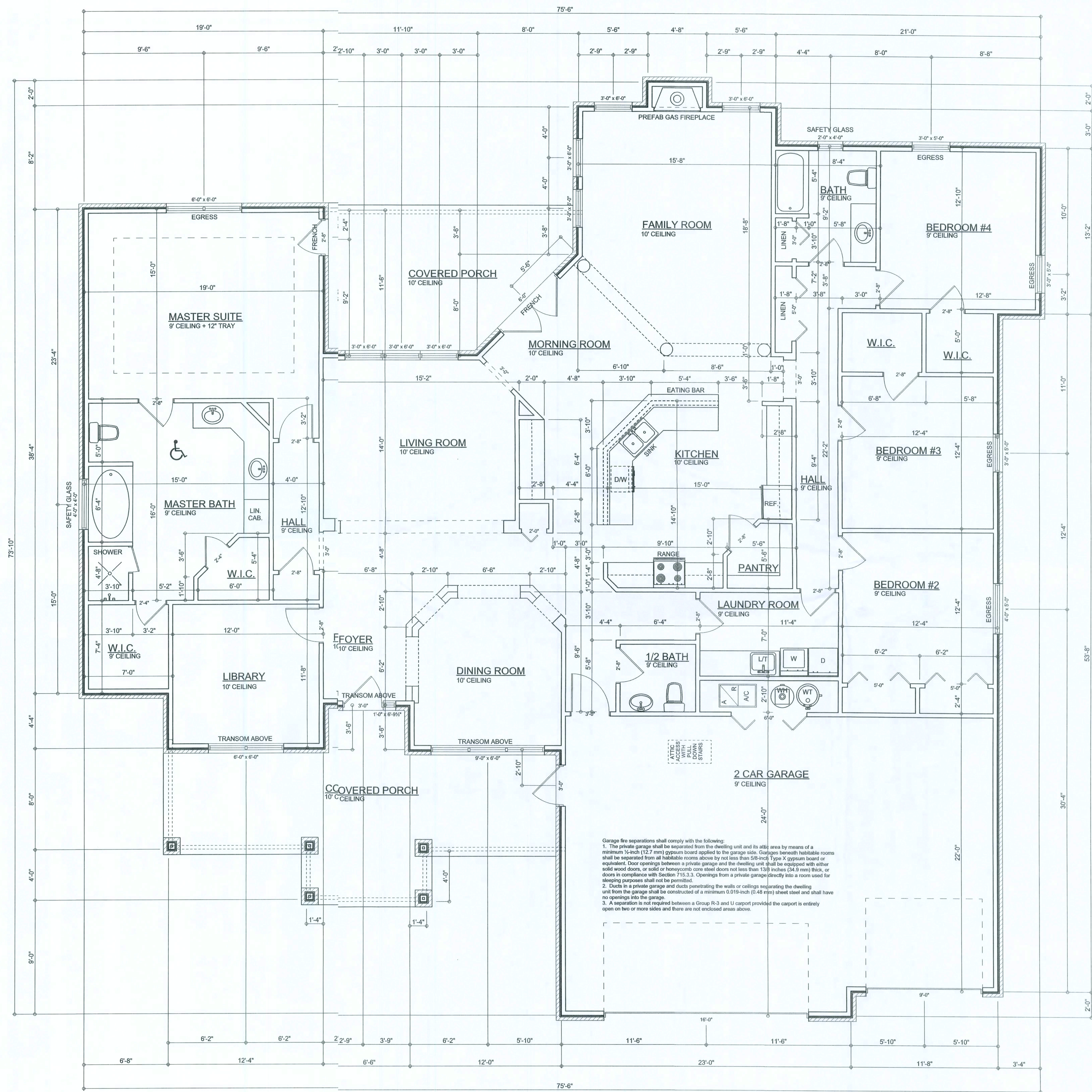
# TYPICAL DESIGN WALL SECTION

## NON - STRUCTURAL DATA

SCALE: 1" = 1'-0"

## AREA SUMMARY

LIVING AREA	2981	S . F .
GARAGE AREA	828	S . F .
PORCH AREA	508	S . F .
TOTAL AREA	4317	S . F .

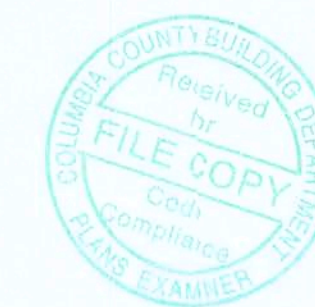


## FLOOR PLAN

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

## REVISIONS


SOFTPLAN  
ARCHITECTURAL SOFTWARE



WINDLOAD ENGINEER:  
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No. 53915, P.O. Box 868, Lake City, FL 32056,  
386-754-5419

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residential 2004,  
to the best of my knowledge.

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

MARK DISWAY  
P.E. 53915  
*[Signature]*  
SEL

## JohnsonBuilders

### Spec House

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PRINTED DATE:

July 31, 2008

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STRUCTURAL BY:

David Discway

FINALS DATE:  
31Jul08

JOB NUMBER:  
80114

DRAWING NUMBER

3

OF 7 SHEETS



REVISIONS	

SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE



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No. 53015, PCB 868, Lake City, FL 32056,  
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LIMITATION: This design is valid for one building, at specified location.

MARK DISCOWAY  
P.E. 53015  
*[Signature]*  
SAL

Johnson Builders

Spec House

ADDRESS:  
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PRINTED DATE:

July 31, 2008

DRAWN BY: STRUCTURAL BY:  
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31Jul08

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80114

DRAWING NUMBER

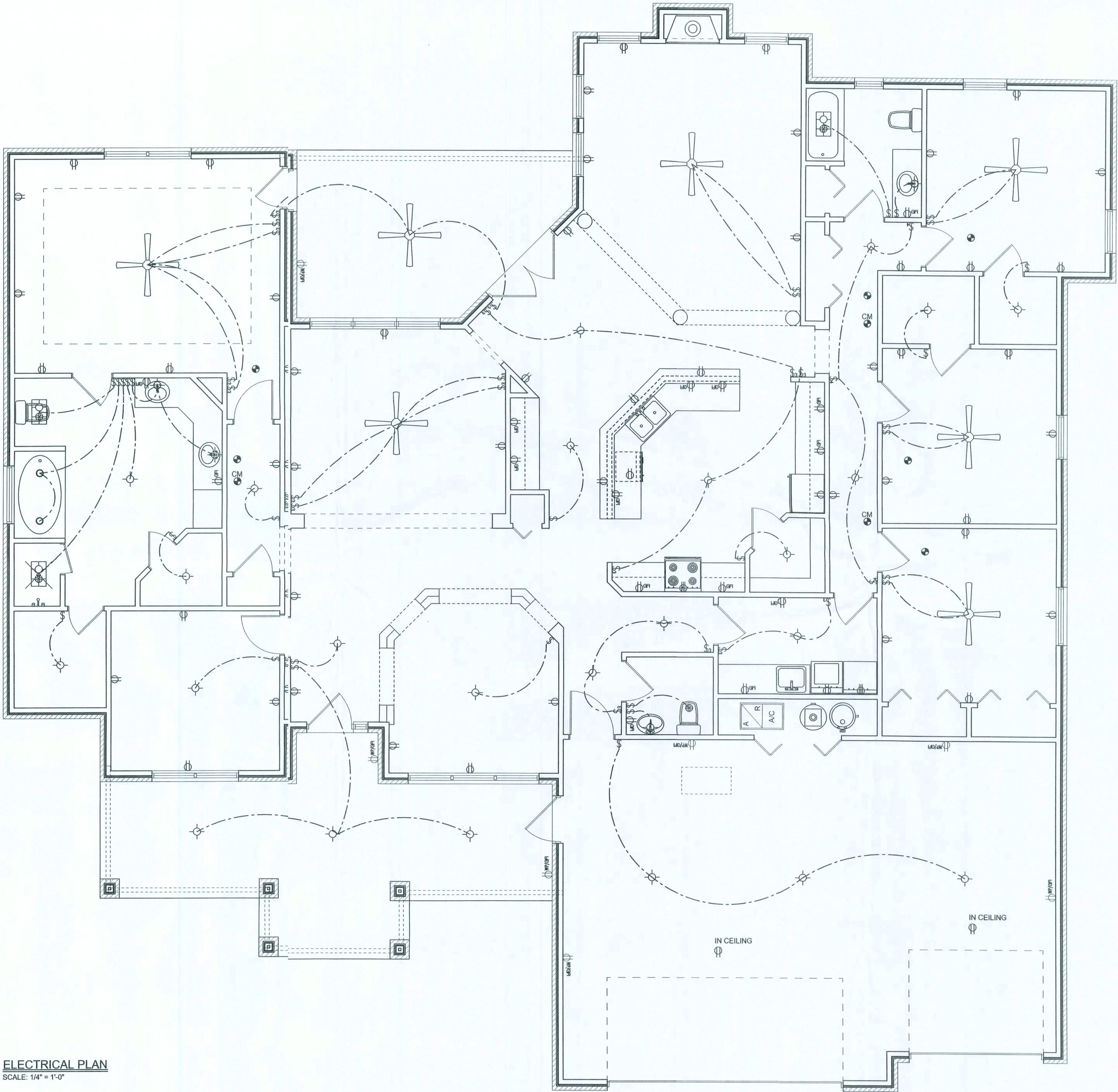
4

OF 7 SHEETS

# ELECTRICAL PLAN NOTES

- E -1 WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.
- E -2 CONSULT THE OWNER FOR THE NUMBER OF SEPARATE TELEPHONE LINES TO BE INSTALLED.
- E -3 ALL INSTALLATIONS SHALL BE PER NAT'L. ELECTRIC CODE.
- E -4 ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS.
- E -5 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.
- E -6 ELECTRICAL CONTR SHALL BE RESPONSIBLE FOR THE DESIGN & SIZING OF ELECTRICAL SERVICE AND CIRCUITS.
- E -7 ENTRY OF SERVICE ( UNDERGROUND OR OVERHEAD ) TO BE DETERMINED BY POWER COMPANY.
- E -8 ALL BEDROOM RECEPTACLES SHALL BE AFCI (ARC FAULT CIRCUIT INTERRUPT)
- E -9 ALL OUTLETS TO BE LOCATED ABOVE BASE FLOOD ELEVATION
- E -10 A SERVICE DISCONNECT WITH OVER CURRENT PROTECTION SHALL BE INSTALLED OUTSIDE OF THE BUILDING, ON THE LOAD SIDE OF THE METER, AT THE PLACE ELECTRIC CONDUCTORS ENTER THE BUILDING. SERVICE ENTRANCE CONDUCTORS MAY NOT BE LOCATED INSIDE OF THE OF THE BUILDING WITHOUT SPECIAL APPROVAL OF THE BUILDING OFFICIAL.
- E -11 CARBON MONOXIDE ALARMS SHALL BE REQUIRED WITHIN 10' OF ALL ROOMS FOR SLEEPING PURPOSES IN BUILDINGS HAVING A FOSSIL-FUEL-BURNING HEATER OR APPLIANCE, A FIREPLACE, OR ATTACHED GARAGE.

ELECTRICAL LEGEND	
	CEILING FAN (FE-WIRE FOR LIGHT KIT)
	DOUBLE SECURITY LIGHT
	2x2 FLUORESCENT LIGHT FIXTURE
	RECESSED CAN LIGHT
	8/11 EXHAUST FAN W/ LIGHT
	8/11 EXHAUST FAN
	LIGHT FIXTURE
	DINEX OUTLET
	20 OUTLET
	GIDUPLEX OUTLET
	SMOKE DETECTOR
	W.L. SWITCH
	3 WY WALL SWITCH
	4 WY WALL SWITCH
	WATER PROOF GFI OUTLET
	PINE JACK
	TELEVISION JACK
	GAGE DOOR OPENER
	CARBON MONOXIDE ALARM

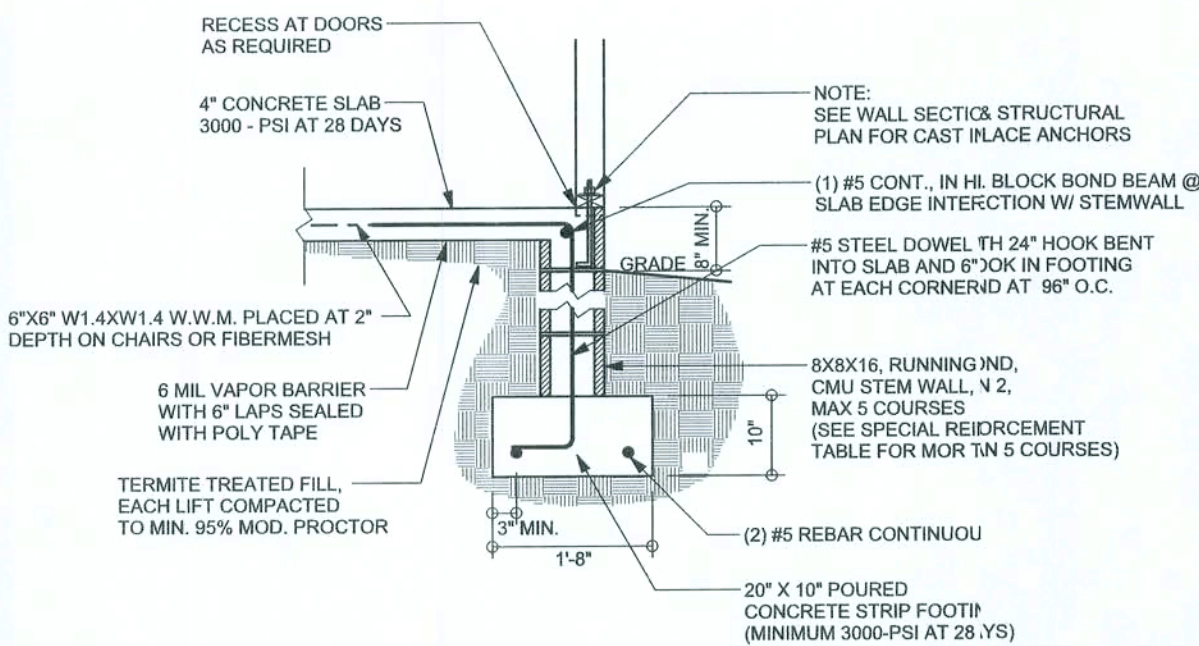


ELECTRICAL PLAN  
SCALE: 1/4" = 1'-0"

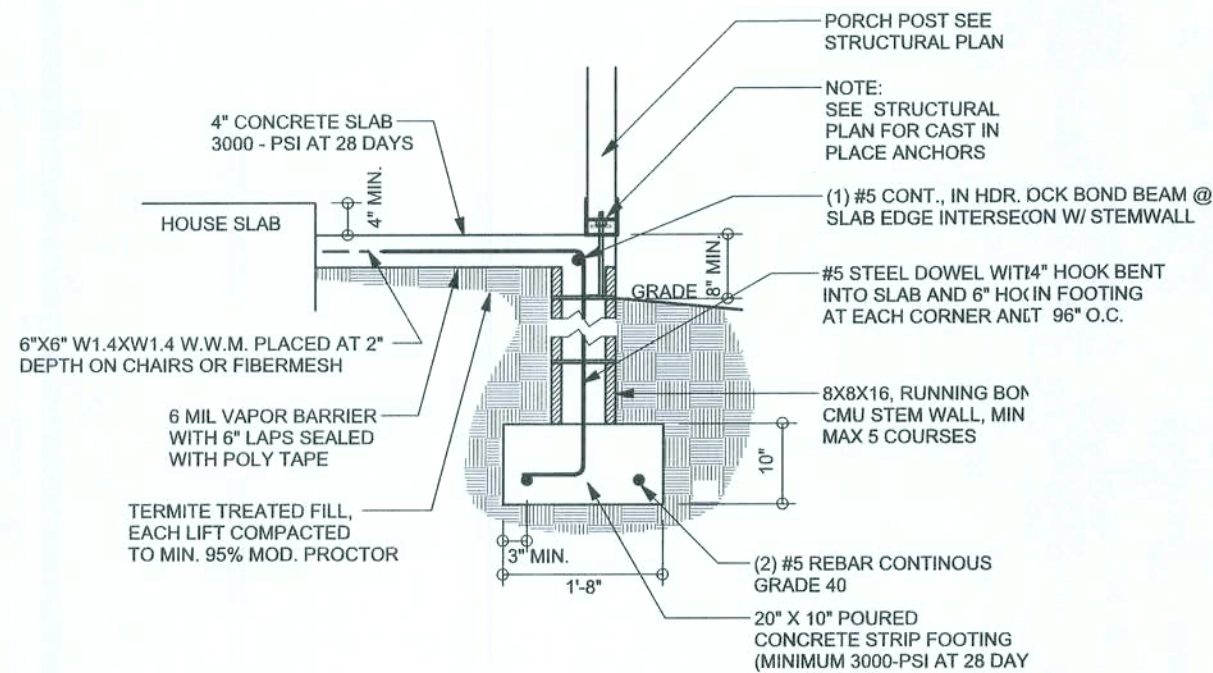




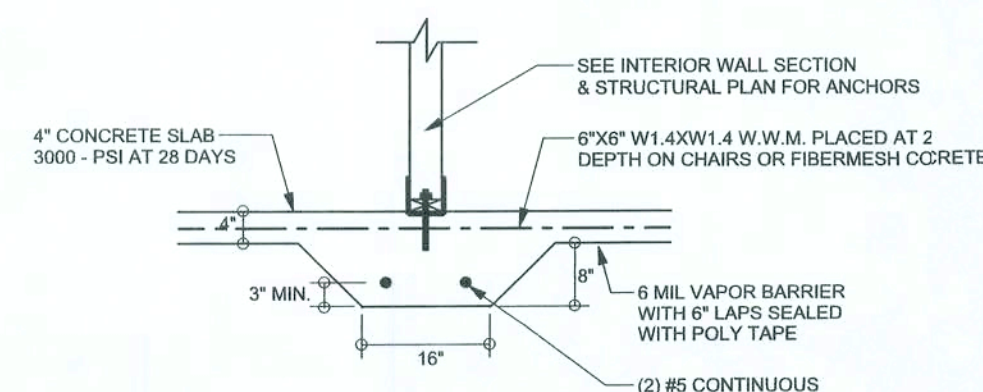




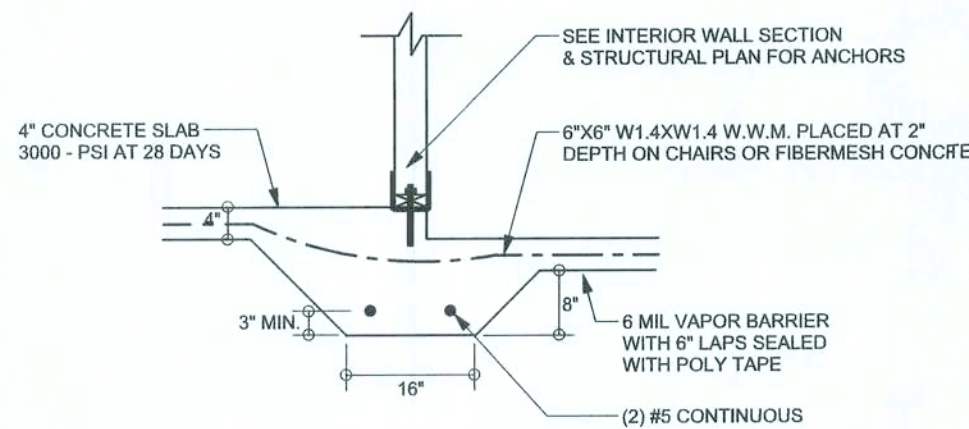
**F9 S-2** STEM WALL FOOTING  
SCALE: 1/2" = 1'-0"



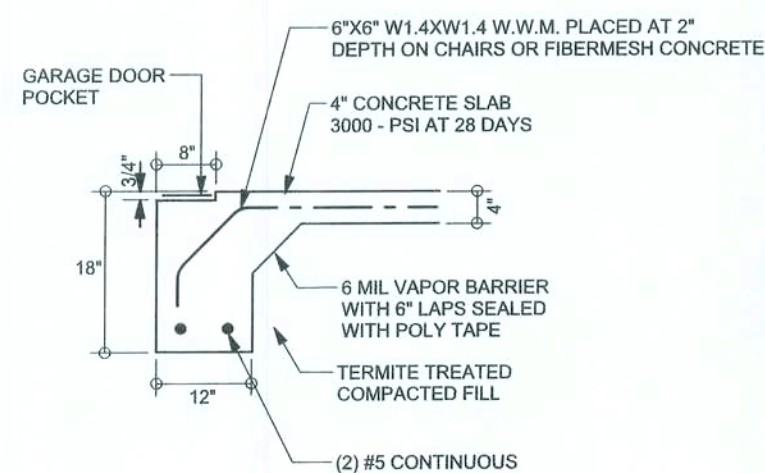
**F12 S-2** STEM WALL PORCH FOOTING  
SCALE: 1/2" = 1'-0"



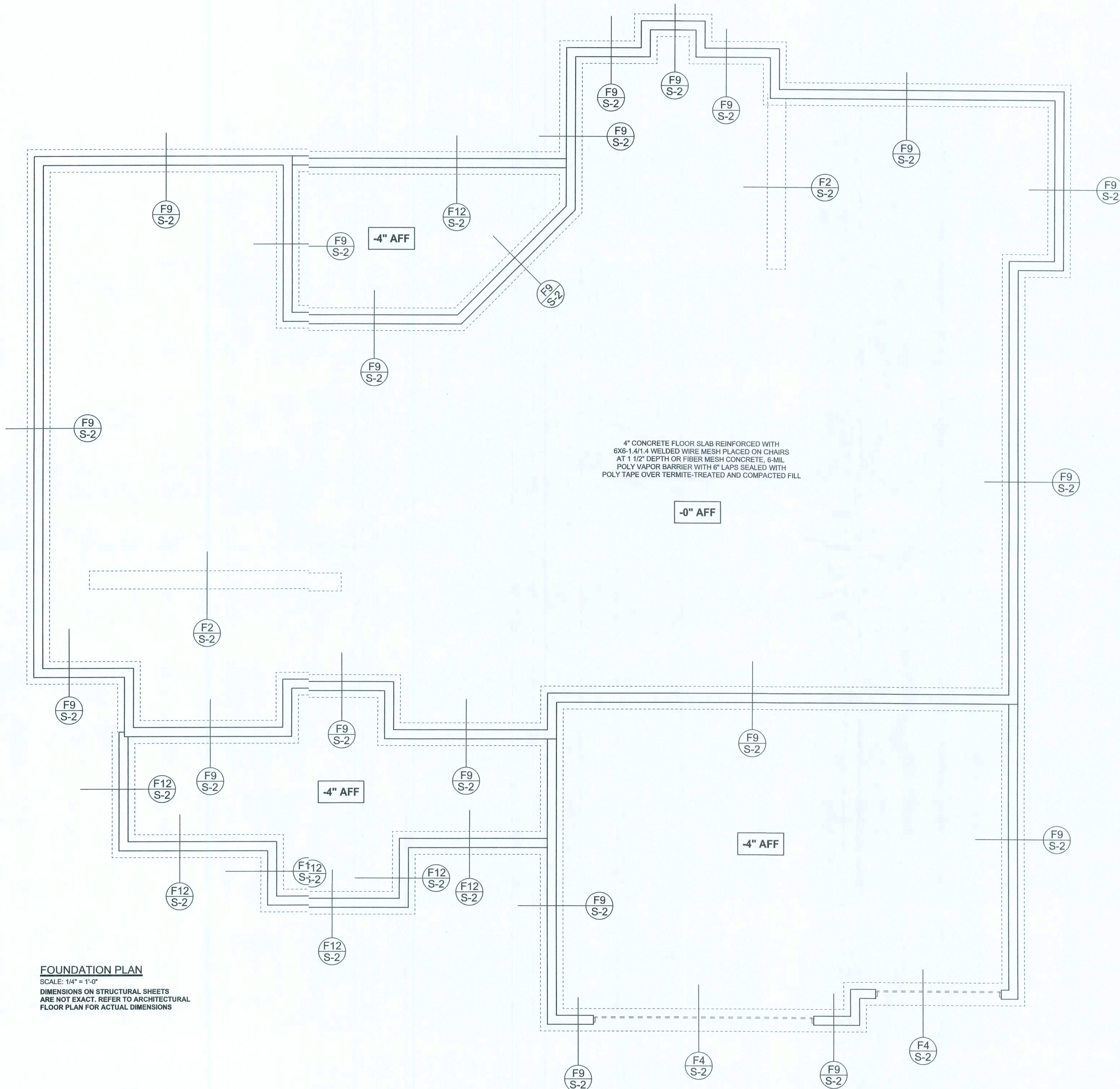
**F2 S-2** INTERIOR BEARING FOOTING  
SCALE: 1/2" = 1'-0"



**F3 S-2** INTERIOR BEARING STEP FOOTING  
SCALE: 1/2" = 1'-0"



**F4 S-2** GARAGE DOOR FOOTING  
SCALE: 1/2" = 1'-0"



**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 Discosway, EIT  
No. 53815, POB 86, Lake City, FL 32056,  
386-754-5419

**DIMENSIONS:**  
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**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 DISCOSWAY**  
EIT, 53815  
[Signature]  
SEAL

**Johnson Builders**

**Spec House**

**ADDRESS:**  
Lot 23  
Russwood Estates S/D Phase 4  
Columbia County, Florida

**Mark Discosway P.E.**  
P.C. Box 868  
Lake City, Florida 32056  
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Fax: (386) 269 - 4871

**PRINTED DATE:**  
July 11, 2008

**DRAWN BY:** STRUCTURAL BY:  
David Discosway

**FINALS DATE:**  
31 Jul 08

**JOB NUMBER:**  
107114

**DRAWING NUMBER**

**S-2**

OF 7 SHEETS



**SOFTPLAN**  
ARCHITETURAL DESIGN SOFTWARE

**SOFTPLAN**  
ARCHITETURAL DESIGN SOFTWARE

**WINDLOAD ENGINEER:**  
Mark Discoway, Inc.  
No. 53915, POB 86, Lake City, FL 32066,  
386-754-5447

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provisions of the p.ln. relating to  
wind are in compliance with section  
R301.2.1, florida building code  
residential 2004,  
to the best of my knowledge.

**LIMITATION:** This design is valid for one  
building. No other design.

MARK DISOSWAY  
P.E. 53915  
1 Aug 08

## Johnson Builders

Spec House

ADDRESS:  
Lot 23  
Russwood Estates S/D Phase 4  
Columbia County, Florida

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Fax: (336) 269 - 4871

PRINTED DATE:  
July 31, 2008

DRAWN BY	STRUCTURAL BY: David Disosway
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FINALS DATE 31Jul08	
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JOBNUMBER: :07114
DRAWING NUMBER

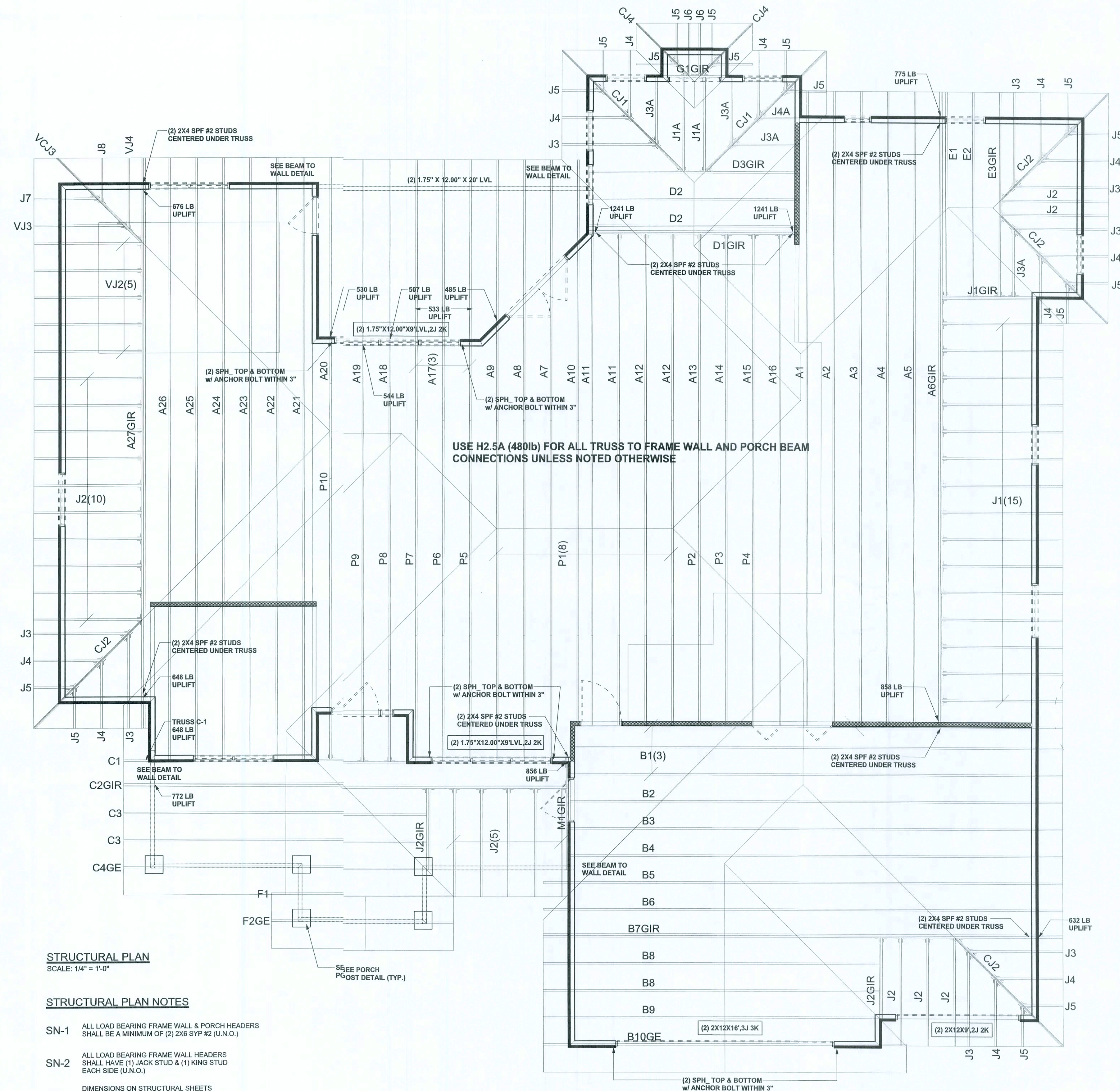
**S-3**  
O: 7 SHEETS

	EXTERIOR WALL
	INTERIOR NON-LOAD BEARING WALL
	INTERIOR LOAD BEARING WALL w/ NO UPLIFT
	INTERIOR LOAD BEARING WALL w/ UPLIFT

Diagram illustrating the components of a beam call-out box:

- 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

	REQUIRED	ACTUAL
TRANSVERSE	45.0'	125.8'
LONGITUDINAL	38.2'	56.1'



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

SN-1	ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X6 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 BC511-03. BC511-01, BC511-02, & BC511-03. BC511-01, BC511-02, & BC511-03 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE

CONNECTIONS, WALL, & HEADER DESIGN IS BASED  
ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING  
FURNISHED BY BUILDER. MAYO TRUSS  
JOB #8-189