

NOTE:  
ALL EXTERIOR WINDOWS AND GLASS DOORS ARE REQUIRED TO BE TESTED IN ACCORDANCE WITH "ANSI/AMMA/NWDA 101/IS2 STANDARD" AND BEAR AN "AMMA OR WDMA" LABEL IDENTIFYING THE MANUFACTURER, PERFORMANCE CHARACTERISTICS AND APPROVED PRODUCT TESTING ENTITY. FBC 1707.4.2.1

NOTE:  
ALL EXTERIOR WINDOWS AND DOORS SHALL BE ANCHORED PER PUBLISHED AND ATTACHED MANUFACTURER'S RECOMMENDATIONS AND DETAILS TO ACHIEVE THE DESIGNED PRESSURE SPECIFIED. FBC 1707.4.4.1

NOTE:  
ALL EXTERIOR WINDOWS AND GLASS DOORS WHERE BUCK THICKNESS IS LESS THAN 1 1/2 INCHES, SHALL BE ANCHORED THROUGH THE JAMB INTO THE STRUCTURAL SUBSTRATE. FBC 1707.4.4.2  
SEE ALSO PUBLISHED AND ATTACHED MANUFACTURER'S RECOMMENDATIONS AND DETAILS.

NOTE:  
ALL EXTERIOR WINDOWS AND GLASS DOORS WHERE BUCK THICKNESS IS 1 1/2 INCHES OR GREATER, THE BUCK MUST BE ATTACHED IN A MANNER TO TRANSFER THE LOAD DIRECTLY TO THE STRUCTURE.  
WINDOWS AND DOORS SHALL BE ANCHORED THROUGH THE JAMB INTO THE WOOD BUCK. FBC 1707.4.4.2  
SEE ALSO PUBLISHED AND ATTACHED MANUFACTURER'S RECOMMENDATIONS AND DETAILS.

NOTE:  
MULLIONS AND ADJACENT DOOR ASSEMBLIES ARE REQUIRED TO BE TESTED OR ENGINEERED TO TRANSFER 1.5 TIMES THE DESIGNED LOADS TO THE ROUGH OPENING SUBSTRATE. FBC 1707.4.5.1-1707.4.5.4  
SEE ALSO PUBLISHED AND ATTACHED MANUFACTURER'S RECOMMENDATIONS AND DETAILS.

NOTE:  
ALL PLUMBING, ELECTRICAL, AND MECHANICAL ROUGH-INS MUST BE COMPLETE, INSPECTED AND APPROVED BEFORE REQUESTING THE FRAMING INSPECTION. FBC 105.6

## WINDOW & DOOR SCHEDULE

- ENTRANCE DOOR 36"/96" IN STEEL
- GARAGE DOOR 7' x 16' , W/SQUARE TOPLITES... CLOPAY, MODEL#75
- WINDOWS INSULATED, COLONIAL, WHITE SILVER LINE SERIES 2900
  - 6 x 30/50
  - 2 x 30/30 Tempered
  - 1 x 30/30
  - 3 x 20/36
  - 1 x 20/36 Tempered
  - 1 x 40/50 Arch Top
  - 1 x 20/30 Obscure
  - 1 x 10/46 Old English/Tempered
  - 1 x 40/40 Glass Block

4.PATIO FRENCH DOOR, STEEL, PBDDIO RH INSWING 60"/96", COLONIAL WHITE

## AREA SUMMARY

LIVING AREA	1771 S . F .
GARAGE AREA	507 S . F .
REAR PORCH AREA	115 S . F .
ENTRY AREA	20 S . F .
TOTAL AREA	2413 S . F .

## REVISIONS

SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE

WINDOWENGINEER:  
Mark Disoway  
PE No.53976, POB 868, Lake City,  
FL 32056, 386-754-5419

CERTIFICATION: These plans and  
"Window Engineering" Sheet S-1,  
attached, comply with Florida Building  
Code 2001, Section 1606 wind loads,  
to the best of my  
knowledge.

LIMITATION: This design is valid for  
one building at specified location. In  
case of conflict, structural requirements,  
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on sheet S-1 control.

DIMENSIONS:  
Stated dimensions supercede scaled  
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## NOTE:

For Structural Informations  
and Requirements,  
see Structural Sheets  
by Mark Disoway PE

## OWNER:

BAUHAUS INC

ADDRESS:  
PO BOX 656  
LIVE OAK, FL 32064

WOLF SCHROM  
General Contractor  
6C#47190  
TEL/FAX:  
386-364-2135

## RESIDENTIAL HOUSE

ADDRESS:  
LOT #  
39  
349 SW BUTTERCUP DR  
ROLLING MEADOWS  
LAKE CITY  
COLUMBIA COUNTY

## FLOOR PLAN

PRINTED DATE: June 13, 2006

DESIGNED AND DRAWN BY:  
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PO BOX 656  
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TEL/FAX: 386-364-4793  
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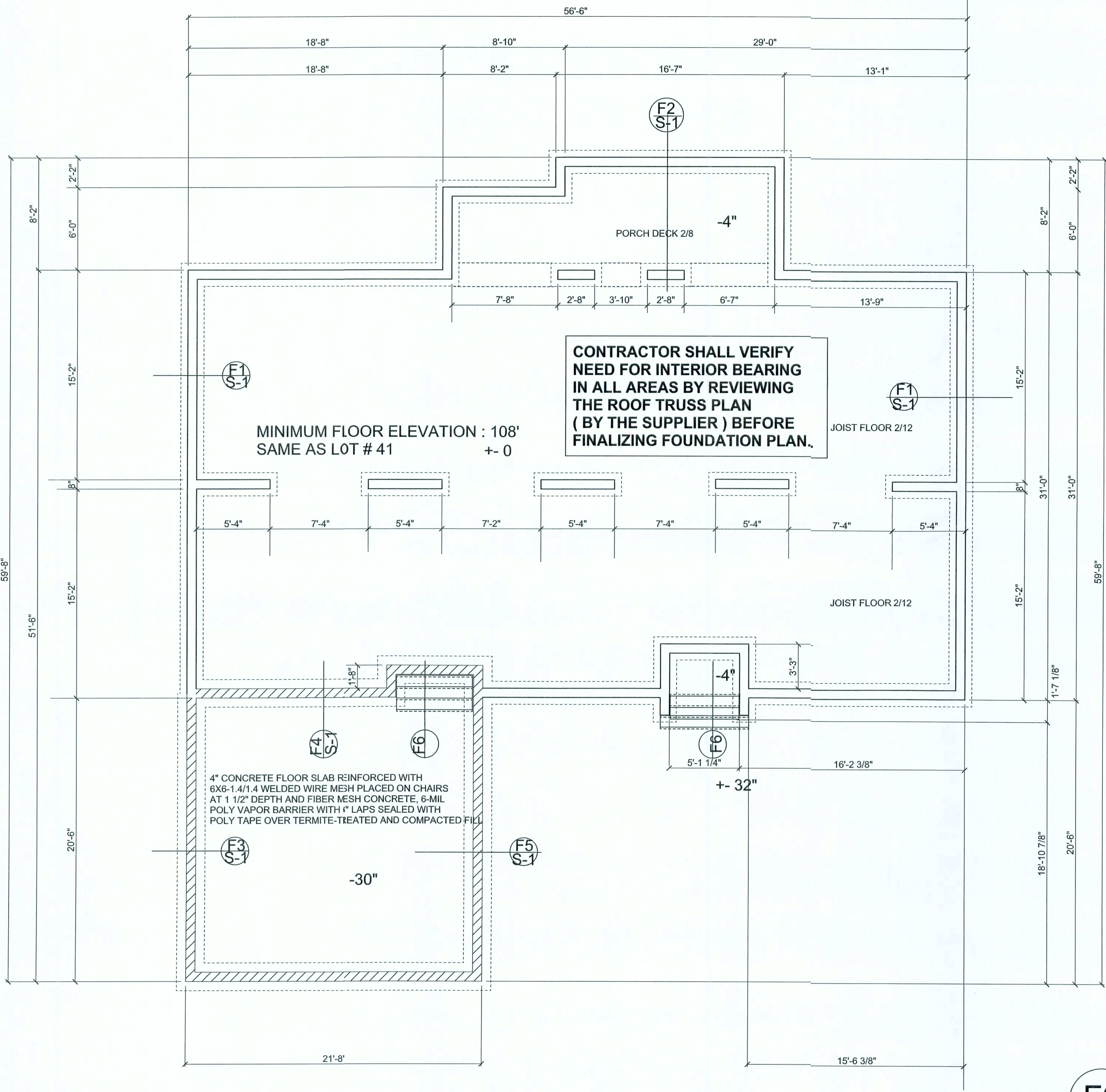
FINALS DATE:  
MAY 2006

HOUSE TYPE:

LAND HOUSE "A"

DRAWING NUMBER  
1  
OF 5 SHEETS





NOTE:  
A FOUNDATION SURVEY SHALL BE PERFORMED AND A COPY OF THE SURVEY SHALL BE ON SITE FOR THE BUILDING INSPECTOR'S USE, OR ALL PROPERTY MARKERS SHALL BE EXPOSED AND A STRING STRETCHED FROM MARKER TO MARKER TO VERIFY REQUIRED SETBACKS.

NOTE:  
A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 104.2.6

NOTE:  
CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-10" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4

NOTE:  
IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" OF THE BUILDING SIDEWALLS. FBC 1503.4.4

NOTE:  
TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERING AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6 INCHES. EXCEPTION: PAINT OR DECORATIVE CEMENTIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1403.1.6

NOTE:  
INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1816.1.1

NOTE:  
SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREADED INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2

NOTE:  
BOXED AREAS IN CONCRETE FLOORS FOR SUBSEQUENT INSTALLATION OF TRAPS ETC. SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. FBC 1816.1.3

NOTE:  
MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT RETARDMENT IS REQUIRED. FBC 1816.1.4

NOTE:  
CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1816.1.5

NOTE:  
SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1816.1.6

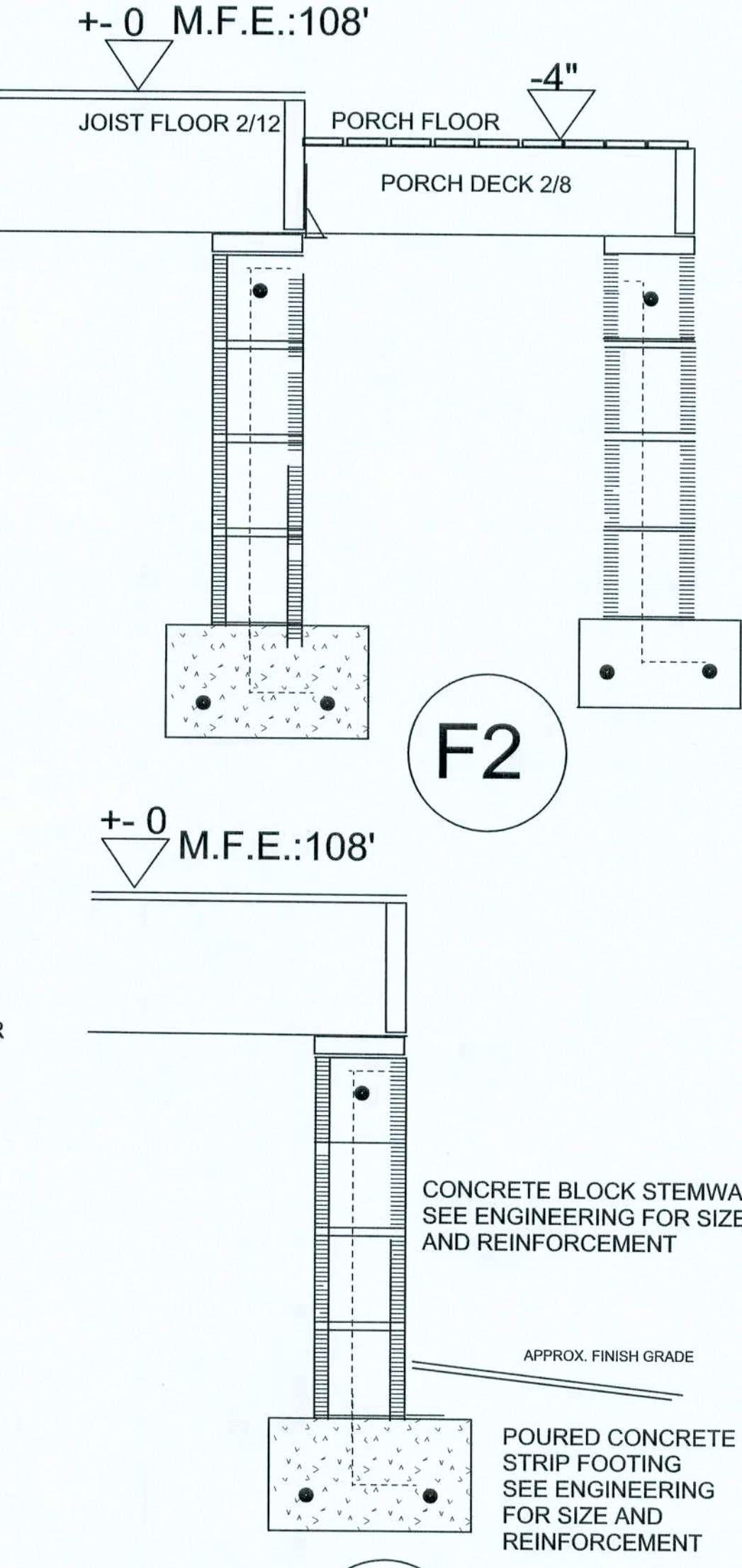
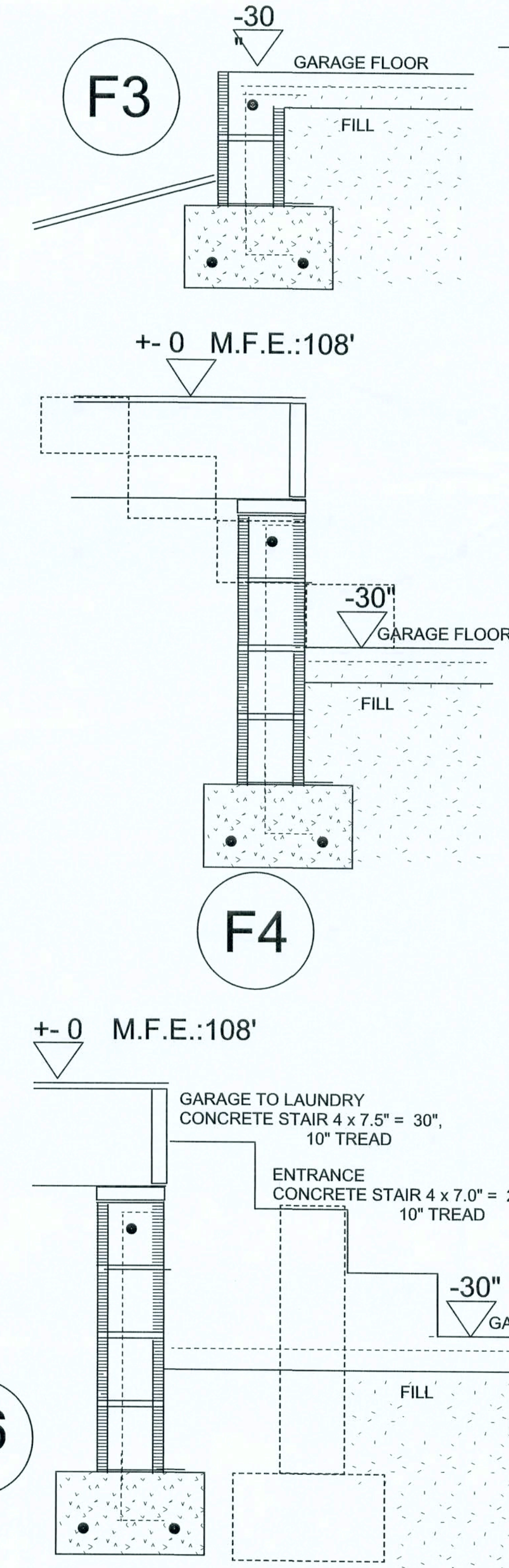
NOTE:  
AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED SHALL BE RETREATED. FBC 1816.1.6

NOTE:  
ALL BUILDINGS ARE REQUIRED TO HAVE PRECONSTRUCTION TREATMENT. FBC 1817.1.7

NOTE:  
A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES". FBC 1816.1.7

NOTE:  
AFTER ALL WORK IS COMPLETE, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2303.1.3

NOTE:  
NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC. SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4



TYPICAL DESIGN WALL SECTION  
NON - STRUCTURAL DATA

SCALE: 1" = 1'-0"

AREA SUMMARY

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ENTRY AREA	20 S.F.
TOTAL AREA	2413 S.F.

REVISIONS	



WINDLOAD ENGINEER:  
Mark Disosway  
PE No. 53915, P.O. Box 868, Lake City,  
FL 32066, 386-754-5419

CERTIFICATION: These plans and  
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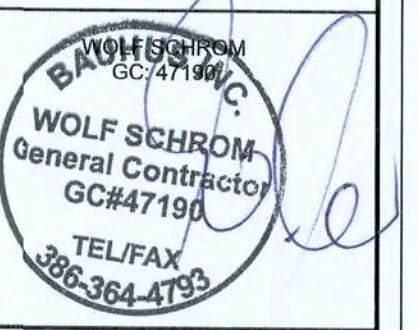
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OWNER:  
BAUHAUS INC.  
ADDRESS:  
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LIVE OAK, FL 32064



RESIDENTIAL  
HOUSE  
ADDRESS:  
LOT #  
39  
349 SW BUTTERCUP DR  
ROLLING MEADOWS  
LAKE CITY  
COLUMBIA COUNTY

SLAB PLAN

PRINTED DATE: June 13, 2006

DESIGNED & DRAWN BY:  
WOLF SCHROM  
PO BOX 868  
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TEL/FAX: 386-364-4793  
CELL: 813-786-0730

FINALIS DATE:  
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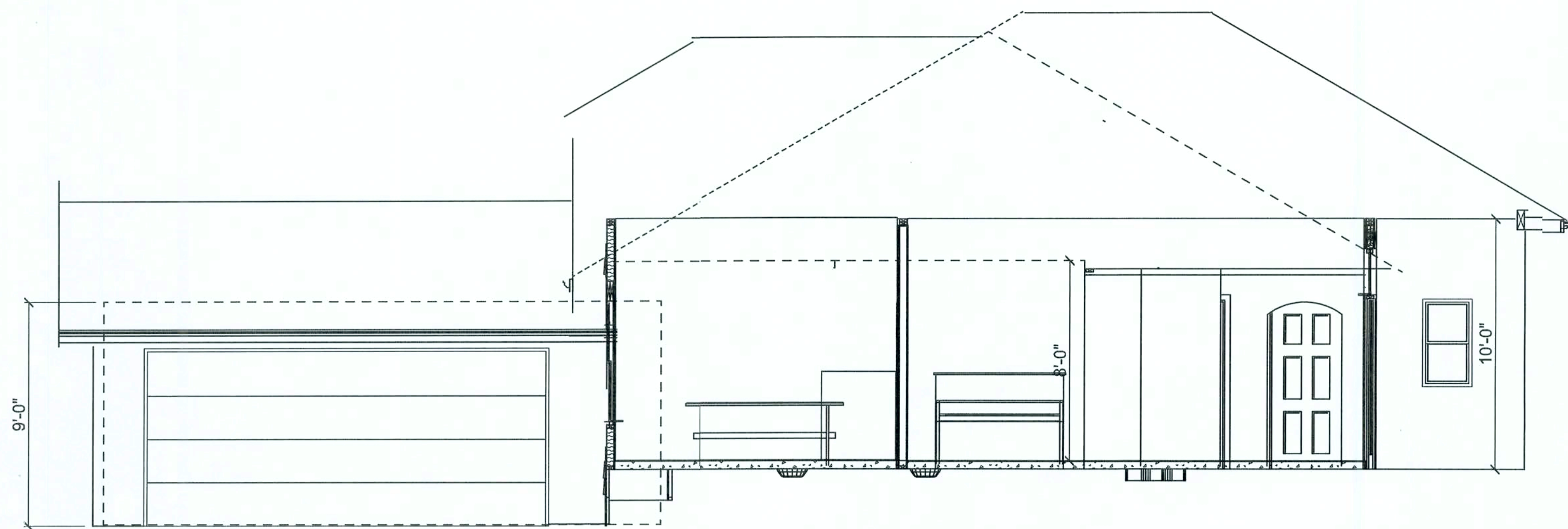
HOUSE TYPE:

LAND HOUSE "A"

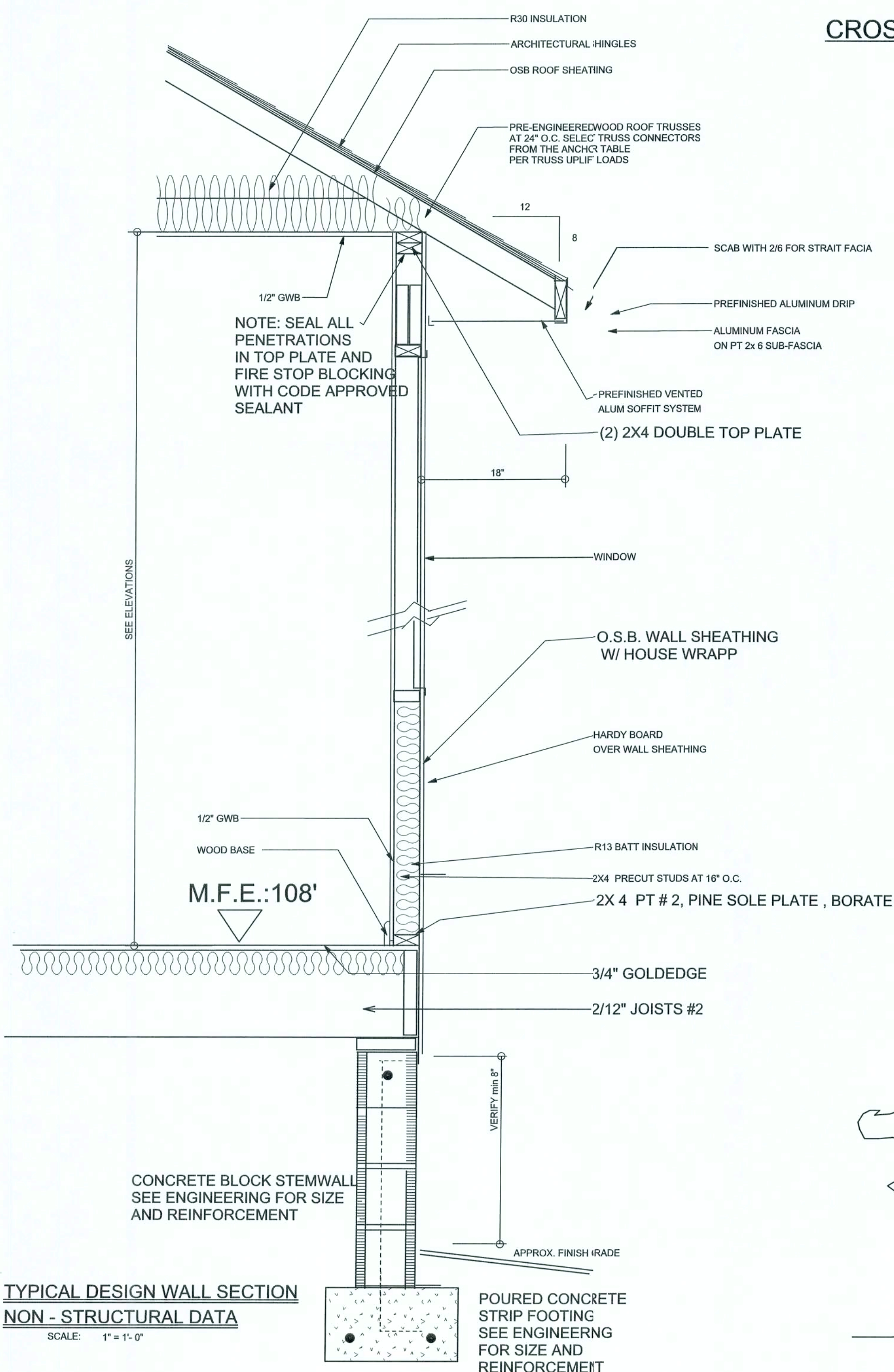
DRAWING NUMBER

2  
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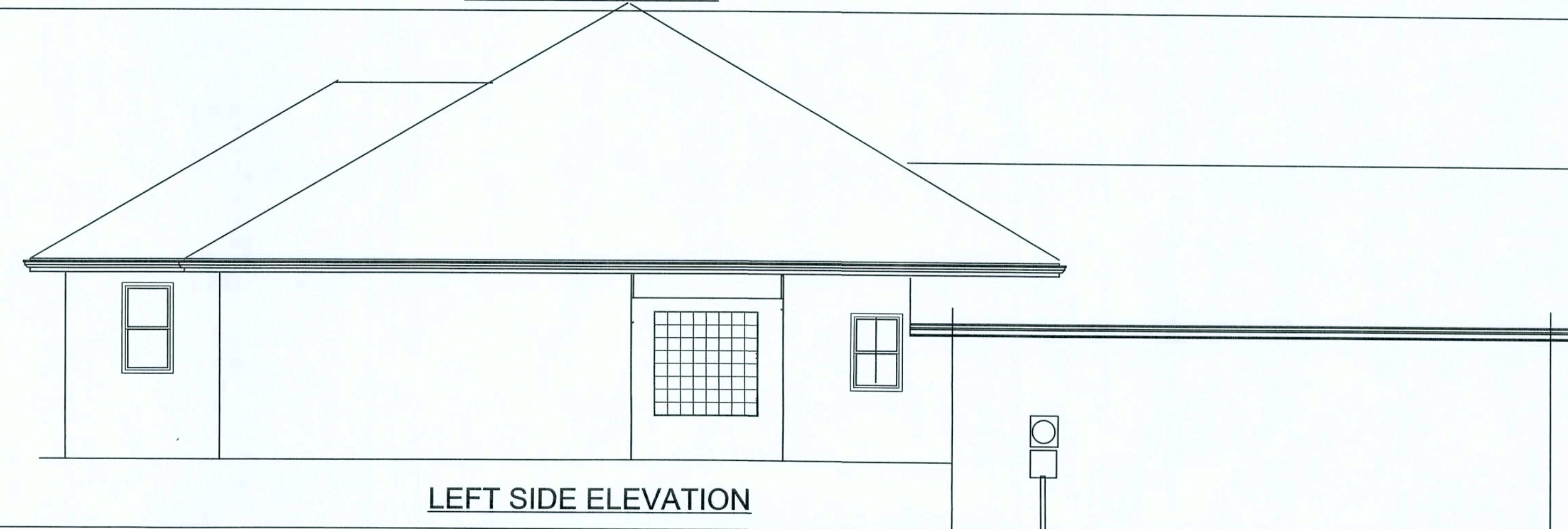
CROSS-SECTIONS A-A



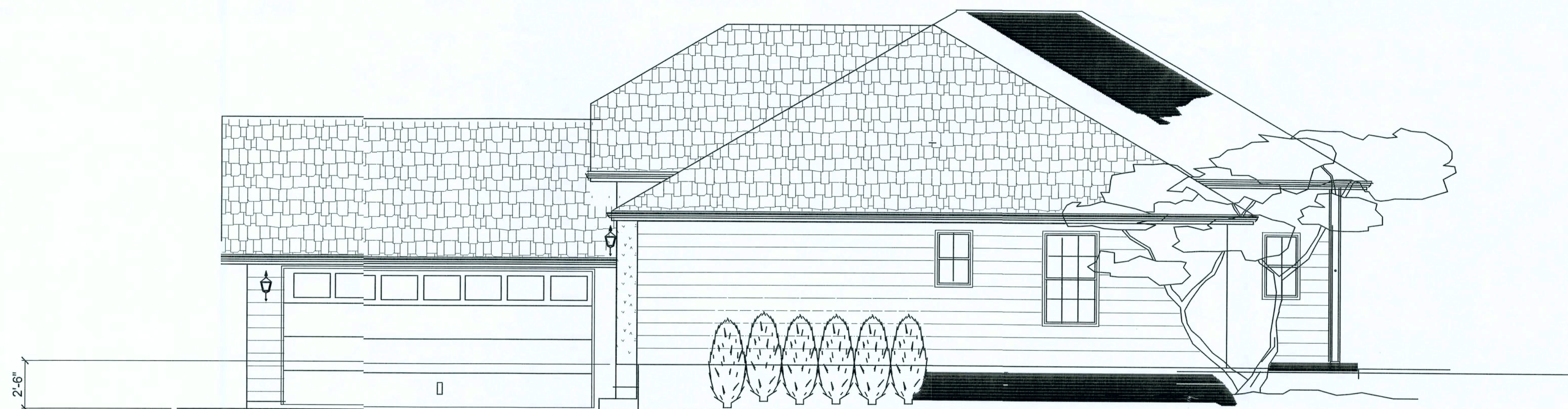
TYPICAL DESIGN WALL SECTION  
NON - STRUCTURAL DATA  
SCALE: 1" = 1'-0"



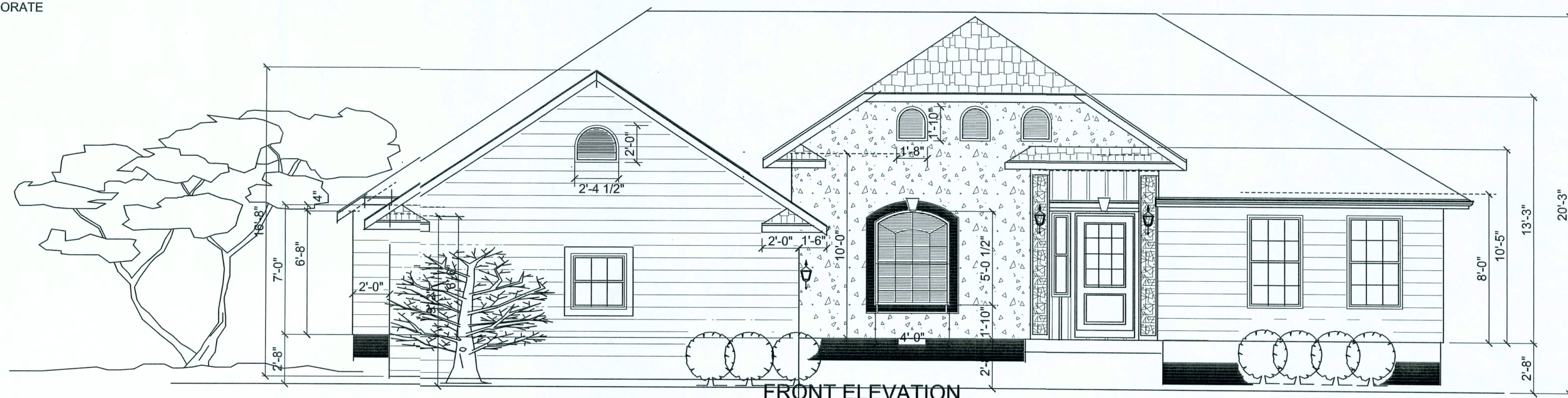
BACK ELEVATION



LEFT SIDE ELEVATION



RIGHT SIDE ELEVATION



FRONT ELEVATION

REVISIONS



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

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GC: 47190

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ELEVATIONS  
&  
CROSS  
SECTIONS

PRINTED DATE:  
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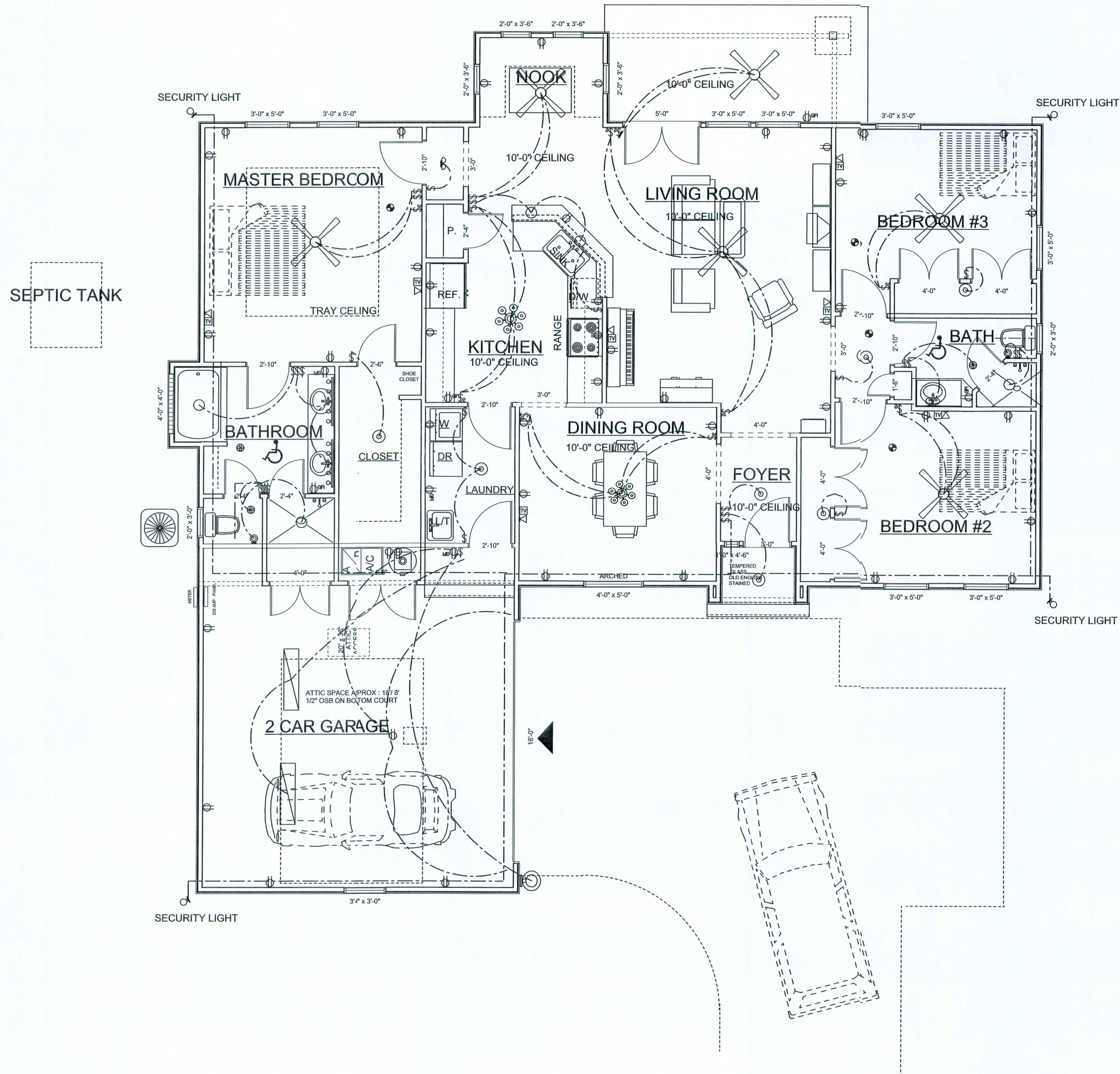
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FILES DATE:  
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HOUSE TYPE:  
LAND HOUSE "A"

DRAWING NUMBER  
3  
OF 5 SHEETS





ELECTRICAL	COUNT	SYMBOL
ceiling fan globe 1	6	
ceiling lamp globe	5	
ceiling lamp small	2	
ceiling globe light	7	
chandelier	2	
double spotlight	2	
single spotlight	4	
vanity bar light	2	
wall mount 1	3	
wall outlet	1	
cable tv outlet	7	
fan	3	
outlet	44	
outlet 220v	1	
outlet gfi	7	
smoke detector	4	
switch	29	
switch double	10	
telephone	7	

ELECTRICAL INFO

ALL SMOKE DEDECTORS MUST BE HOT-WIRED AND WITH BATTERY BACKUP

ALL WETROOMS HAVE GFCI-PROTECTION

ALL SLEEPING ROOMS WILL BE ON A.F.C.I. ARCE FAULT CIRCUIT INTERUPTER

ALL BATHROOMS HAVE EXHAUST FANS INSTALLED IN CEILING, VENT OVER ROOF OR SOFIT  
ALL BATHROOMS AND STAIR WAYS ARE HANDICAPPED ACCESSABLE

POWER SUPPLY BY CLAY ELECTRIC COOP

BATH ROOMS SHALL HAVE

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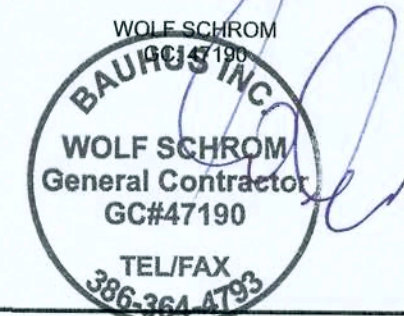
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OWNER:

BAUHHUS INC

ADDRESS:  
PO BOX 656  
LIVE OAK, FL 32064



RESIDENTIAL  
HOUSE

ADDRESS:

LOT #

39

349 SW BUTTERCUP DR  
ROLLING MEADOWS  
LAKE CITY  
COLUMBIA COUNTY

ELECTRICAL  
PLAN

PRINTED DATE: June 13, 2006

DESIGNED & DRAWN BY:  
WOLF SCHROM  
PO BOX 656  
LIVE OAK, FL 32064  
TEL/FAX: 386-384-4793  
CELL: 813-786-0730

FILES DATE:  
MAY 2006

HOUSE TYPE:

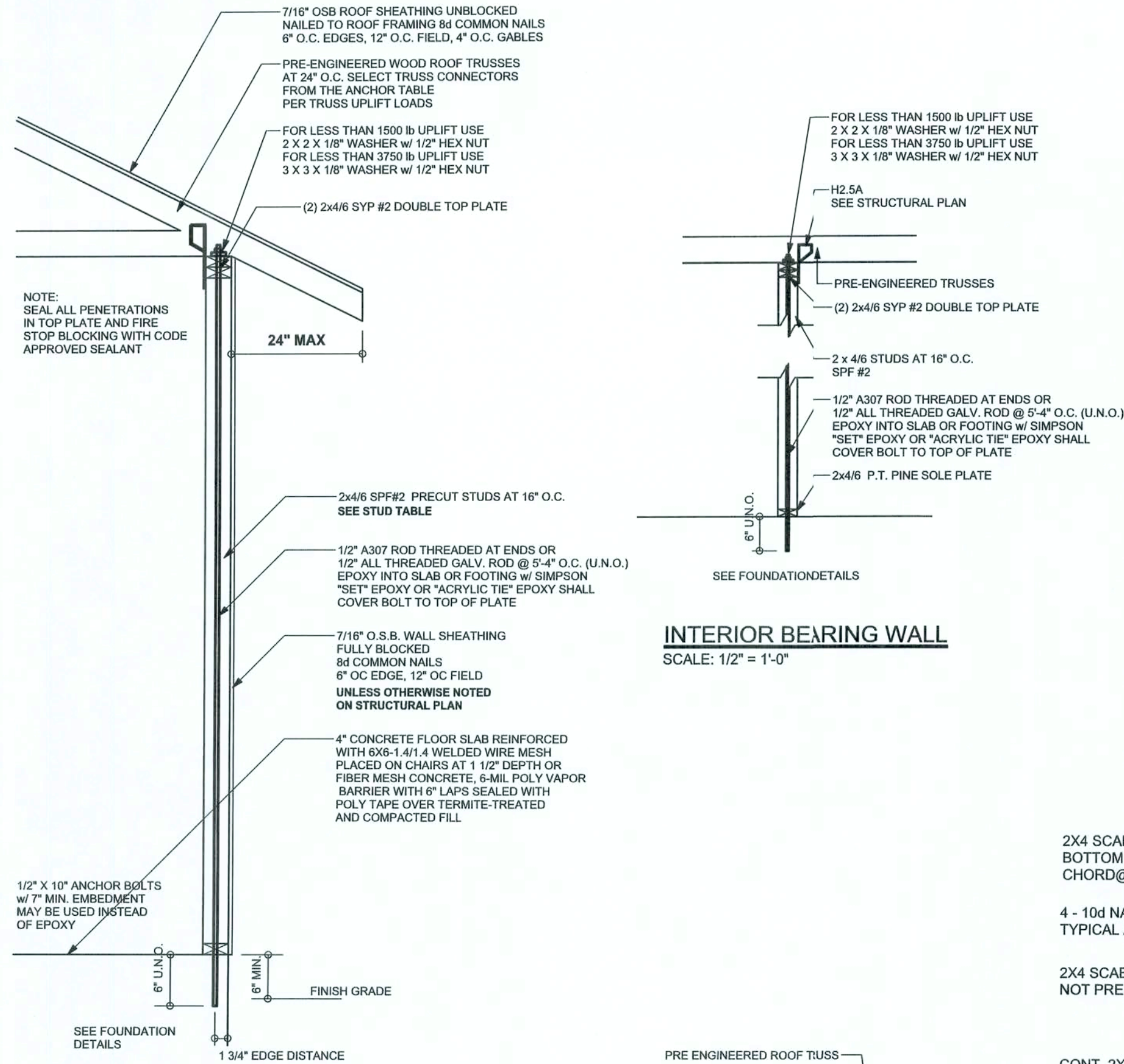
LAND HOUSE "A"

DRAWING NUMBER

4

OF 5 SHEETS



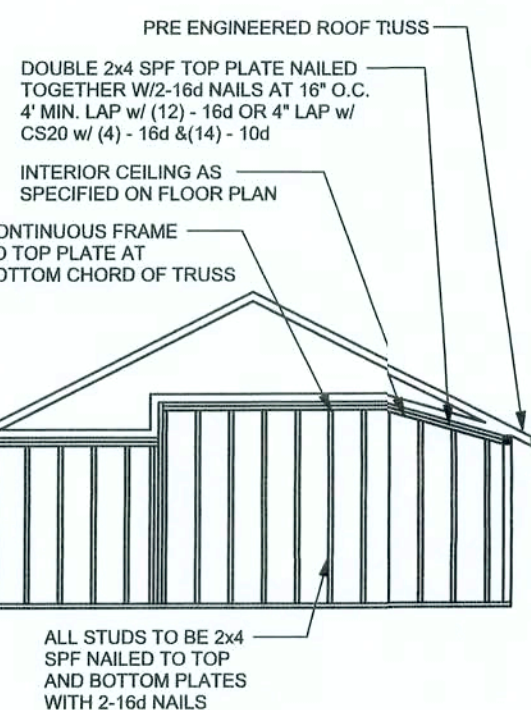


**ONE STORY WALL SECTION**  
SCALE: 3/4" = 1'-0"

**EXTERIOR WALL STUD TABLE FOR SPF #2 STUDS**

(1) 2x4 @ 16" OC	TO 11'-9" STUD HEIGHT
(1) 2x4 @ 12" OC	TO 13'-0" STUD HEIGHT
(1) 2x6 @ 16" OC	TO 18'-10" STUD HEIGHT
(1) 2x6 @ 12" OC	TO 20'-0" STUD HEIGHT

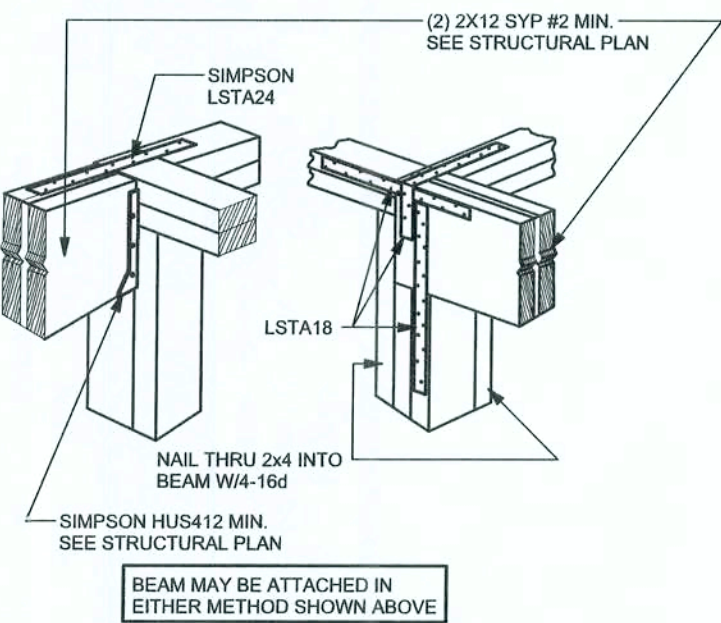
THIS STUD HEIGHT TABLE IS PER WFCM 2001, TABLE 3.208. EXTERIOR LOAD BEARING & NON LOAD BEARING STUD LENGTHS RESISTING INTERIOR ZONE WIND LOADS: 110 MPH EXPOSURE B. STUD SPACINGS SHALL BE MULTIPLIED BY 0.85 FOR FRAMING LOCATED WITHIN 4 FEET OF CORNERS FOR END ZONE LOADING. EXAMPLE 18" O.C. x 0.85 = 15" O.C.



**CONTINUOUS FRAME TO CEILING DIAPHRAGM DETAIL**  
SCALE: N.T.S.

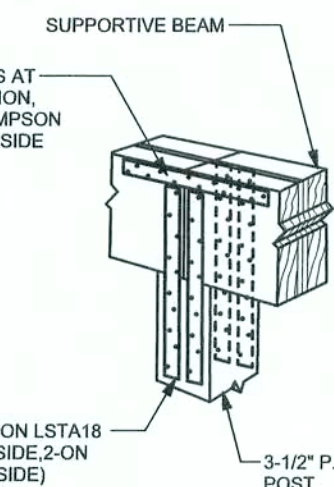
**BEAM MID-WALL CONNECTION DETAIL**

SCALE: N.T.S.

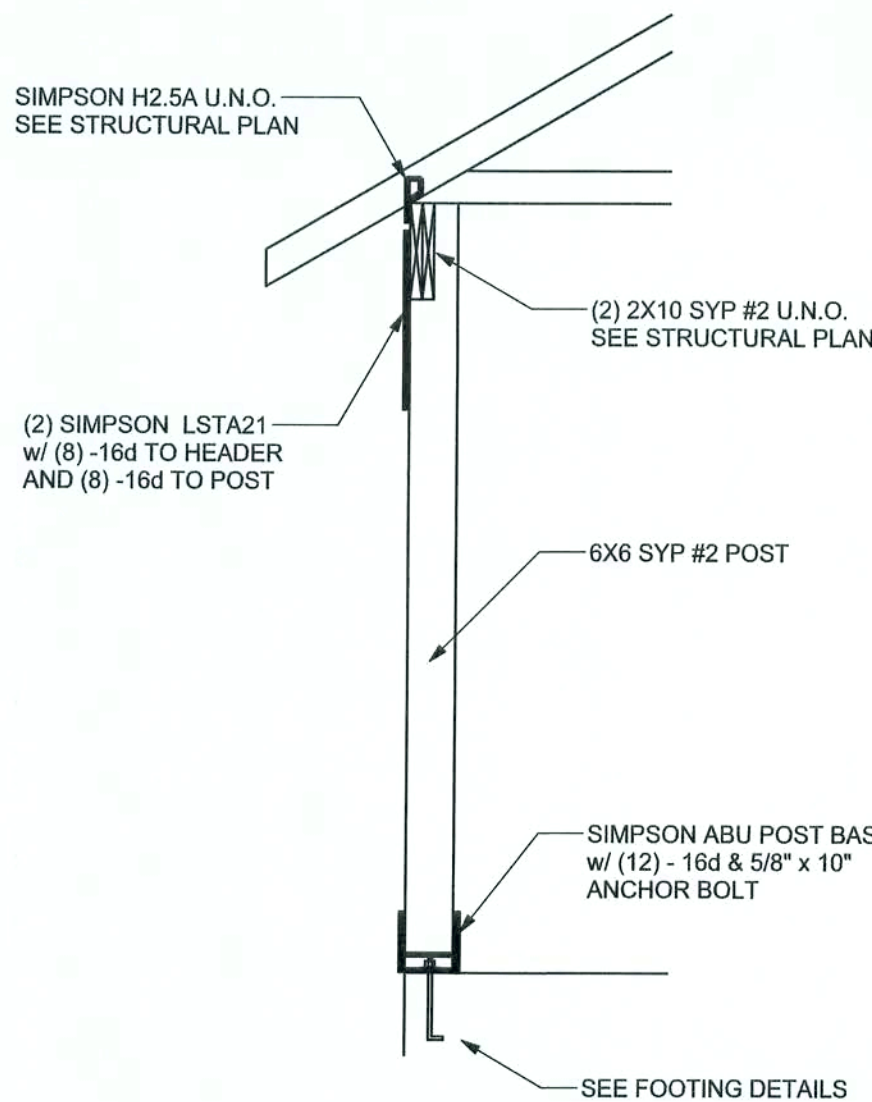


**BEAM CORNER CONNECTION DETAIL**  
SCALE: N.T.S.

**SUPPORTIVE CENTER POST TO BEAM DETAIL**  
SCALE: N.T.S.

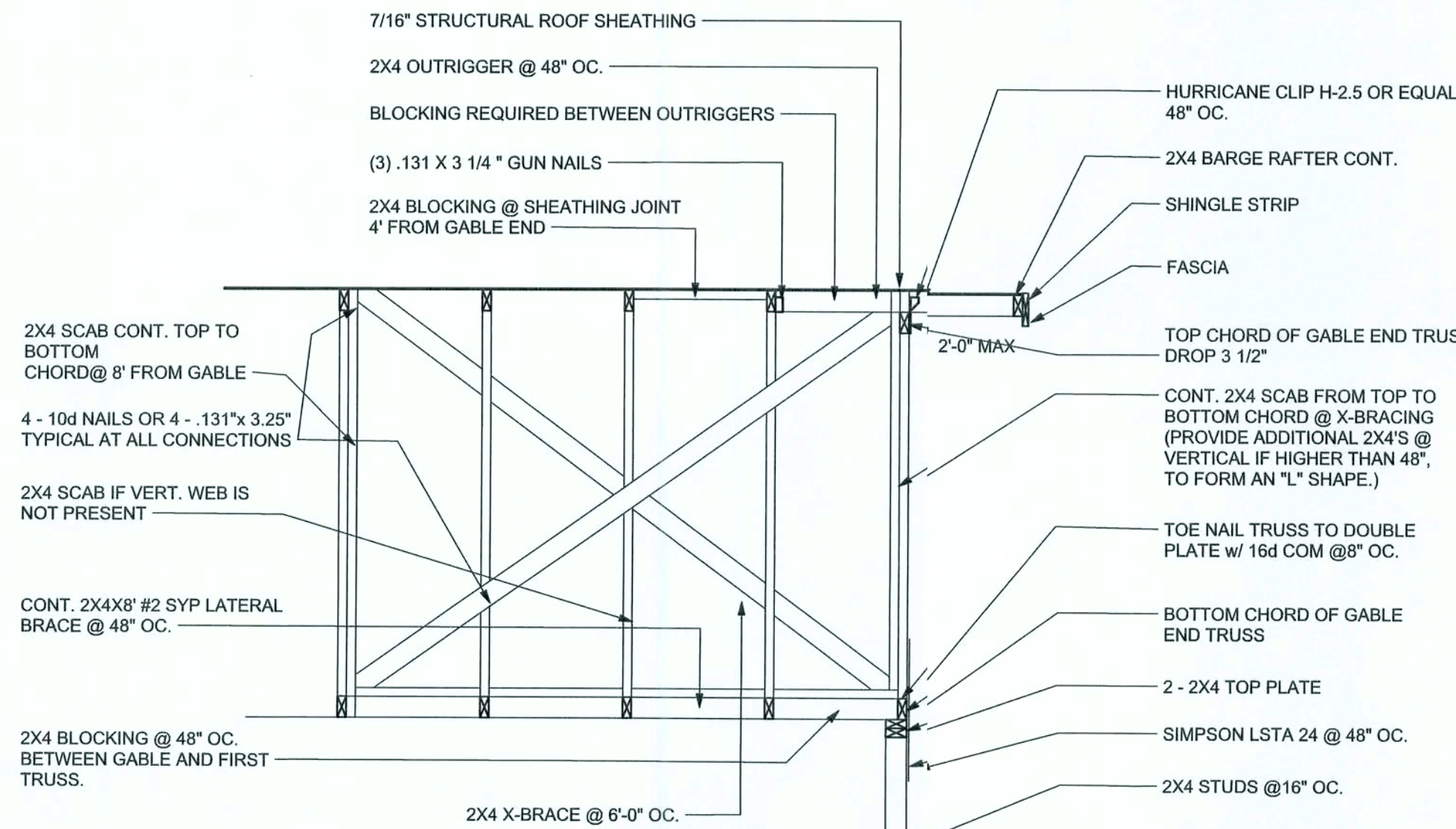


**TYPICAL PORCH POST DETAIL**  
SCALE: 1/2" = 1'-0"

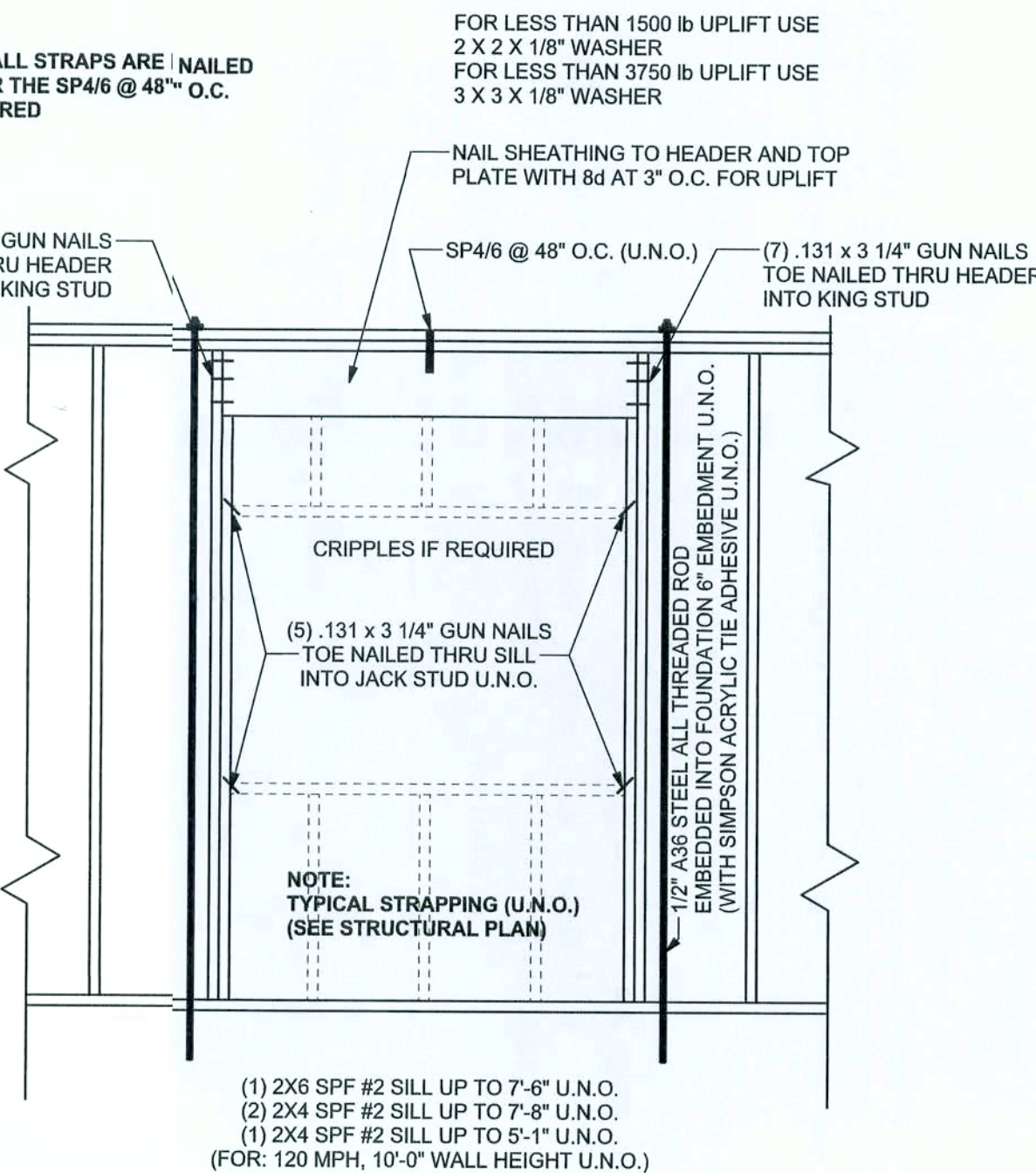


**TYPICAL GABLE END (X-BRACING)**

ALL MEMBERS SHALL BE SYP



**TYPICAL 1 STORY HEADER STRAPPING DETAIL**  
SCALE: 1/2" = 1'-0"



**ANCHOR TABLE**

OBTAIN UPLIFT REQUIREMENTS FROM TRUSS MANUFACTURER'S ENGINEERING

UPLIFT LBS. SYP	UPLIFT LBS. SPF	TRUSS CONNECTOR*	TO PLATES	TO RAFTER/TRUSS	TO STUDS
< 420	< 245	H5A	3-8d	3-8d	
< 455	< 265	H5	4-8d	4-8d	
< 360	< 235	H4	4-8d	4-8d	
< 455	< 320	H3	4-8d	4-8d	
< 415	< 365	H2.5	5-8d	5-8d	
< 600	< 535	H2.5A	5-8d	5-8d	
< 950	< 820	H8	8-8d	8-8d	
< 745	< 565	H8	5-10d, 1 1/2"	5-10d, 1 1/2"	
< 1465	< 1050	H14-1	13-8d	12-8d, 1 1/2"	
< 1465	< 1050	H14-2	15-8d	12-8d, 1 1/2"	
< 990	< 850	H10-1	8-8d, 1 1/2"	8-8d, 1 1/2"	
< 760	< 655	H10-2	6-10d	6-10d	
< 1470	< 1265	H16-1	10-10d, 1 1/2"	2-10d, 1 1/2"	
< 1470	< 1265	H16-2	10-10d, 1 1/2"	2-10d, 1 1/2"	
< 1000	< 860	MTS24C	7-10d 1 1/2"	7-10d 1 1/2"	
< 1450	< 1245	HTS24	12-10d 1 1/2"	12-10d 1 1/2"	
< 2900	< 2490	2-HTS24			
< 2050	< 1785	LGT2	14-16d	14-16d	
<b>HEAVY GIRDER TIEDOWNS*</b>					<b>TO FOUNDATION</b>
< 3965	< 3330	MGT		22-10d	1-5/8" THREADED ROD 12" EMBEDMENT
< 10980	< 6485	HGT-2		16-10d	2-5/8" THREADED ROD 12" EMBEDMENT
< 10530	< 9035	HGT-3		16-10d	2-5/8" THREADED ROD 12" EMBEDMENT
< 9250	< 9250	HGT-4		16-10d	2-5/8" THREADED ROD 12" EMBEDMENT
<b>STUD STRAP CONNECTOR*</b>					<b>TO STUDS</b>
< 435	< 435	SSP DOUBLE TOP PLATE	3-10d		4-10d
< 455	< 420	SSP SINGLE SILL PLATE	1-10d		4-10d
< 825	< 825	DSP DOUBLE TOP PLATE	6-10d		8-10d
< 825	< 600	DSP SINGLE SILL PLATE	2-10d		8-10d
< 885	< 760	SP4			6-10d, 1 1/2"
< 1240	< 1065	SPH4			10-10d, 1 1/2"
< 885	< 760	SP6			6-10d, 1 1/2"
< 1240	< 1065	SPH6			10-10d, 1 1/2"
< 1235	< 1165	LSTA18			
< 1235	< 1235	LSTA21			
< 1030	< 1030	CS20			
< 1705	< 1705	CS16			
<b>STUD ANCHORS*</b>			<b>TO STUDS</b>		<b>TO FOUNDATION</b>
< 1350	< 1305	LTT19	8-16d		12" AB
< 2310	< 2310	LTT131	18-10d, 1 1/2"		12" AB
< 2775	< 2670	HD2A	2-5/8" BOLTS		5/8" AB
< 4175	< 3695	HTT16	18-16d		5/8" AB
< 1400	< 1400	PAHD42	16-16d		
< 3335	< 3335	HPAH222	16-16d		
< 2200	< 2200	ABU44	12-16d		12" AB
< 2300	< 2300	ABU66	12-16d		12" AB
< 2320	< 2320	ABU88	18-16d		2-5/8" AB

**GENERAL NOTES:**

**TRUSSES:** TRUSSES SHALL BE DESIGNED BY A FLORIDA LICENSED ENGINEER IN ACCORDANCE WITH THE FBCR 2004. TRUSS ENGINEERING SHALL INCLUDE: TRUSS DESIGN, PLACEMENT PLANS, TEMPORARY AND PERMANENT BRACING DETAILS, TRUSS-TO-TRUSS CONNECTIONS, AND UPLIFT AND REACTION LOADS FOR ALL BEARING LOCATIONS. TRUSS ENGINEERING IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER AND SHALL BE SIGNED & SEALED BY THE MANUFACTURER'S DESIGN ENGINEER. IT IS THE BUILDER'S RESPONSIBILITY TO VERIFY THE TRUSS DESIGNER'S FULLY SATISFIED ALL THE ABOVE REQUIREMENTS AND TO SELECT UPLIFT CONNECTIONS BASED ON TRUSS ENGINEERING UPLIFT AND PROVIDE FOOTINGS FOR INTERIOR BEARING WALLS. BUILDER IS TO FURNISH TRUSS ENGINEERING TO WIND LOAD ENGINEER FOR REVIEW OF TRUSS REACTIONS ON THE BUILDING STRUCTURE. STRAP 2X6 RAFTERS WITH MIN UPLIFT CONNECTION 415LB EACH END, 2X6 RAFTERS 700 LB EACH END.

**SITE PREPARATION:** SITE ANALYSIS AND PREPARATION IS NOT PART OF THIS PLAN.

**FOUNDATION:** CONFIRM THAT THE FOUNDATION DESIGN & SITE CONDITIONS MEET GRAVITY LOAD REQUIREMENTS (ASSUME 1000 PSF BEARING CAPACITY UNLESS VISUAL OBSERVATION OR SOILS TEST PROVES OTHERWISE).

**CONCRETE:** MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS,  $f'_c = 3000$  PSI.

**WELDED WIRE REINFORCED SLAB:** 6" x 6" W1.4 x W1.4, FB = 85KSI, WELDED WIRE REINFORCEMENT FABRIC (W.W.M.) CONFORMING TO ASTM A185, LOCATED IN MIDDLE OF THE SLAB, SUPPORTED WITH APPROVED MATERIALS OR SUPPORTS AT SPACINGS NOT TO EXCEED 5'.

**FIBER CONCRETE SLAB:** CONCRETE SLABS ON GROUND CONTAINING SYNTHETIC FIBER REINFORCEMENT. FIBER LENGTH 1/2 INCH TO 2 INCHES. DOSAGE AMOUNTS FROM 0.75 TO 1.5 POUNDS PER CUBIC YARD PER THE MANUFACTURER'S RECOMMENDATIONS. FIBERS TO COMPLY WITH ASTM C 1116. SUPPLIER TO PROVIDE ASTM C 1116 CERTIFICATION OF COMPLIANCE WHEN REQUESTED BY BUILDING OFFICIAL.

**CONTROL JOINTS:** WHERE SPECIFIED, SAWN CONTROL JOINTS IN SLAB-ON-GRADE SHALL BE CUT IN ACCORDANCE WITH ACI 302. JOINTS SHALL BE CUT WITHIN 12 HOURS OF SLAB PLACEMENT. THE LENGTH / WIDTH RATIO OF SLAB AREAS SHALL NOT EXCEED 1.5 AND TYPICAL SPACING OF CUTS TO BE 12FT. DO NOT CUT W/M OR REINFORCING STEEL. (RECOMMENDED LOCATION OF CONTROL JOINTS IS SUBJECT TO BUT RATHER TO ENCOURAGE THE SLAB TO CRACK ON A GIVEN LINE).

**REBAR:** ASTM A 615, GRADE 60, DEFORMED BARS,  $f_y = 60$  KSI. ALL LAP SPLICES 40" DB (25" FOR #5 BARS); UNO. ALL REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 315-86, U.N.O.

**GLULAM BEAMS:** GLULAM BEAM, GLB, 24F-V3SP,  $F_b = 2.4ksi$ ,  $E = 1800ksi$ . UNO. SUPPLIER MAY SUPPLY AN ALTERNATE BEAM WITH EQUAL PROPERTIES OR MAY SUBMIT THEIR OWN SIZING CALCULATIONS.

**ROOF SHEATHING:** ALL ROOFS ARE HORIZONTAL DIAPHRAGMS; 7/16" OSB SHEATHING, UNLOCKED, STAGGERED, FASTENED WITH 8d COMMON NAILS (13d, 6" OC PANEL EDGES, 12" OC INTERMEDIATE MEMBERS, GABLE ENDS AND DIAPHRAGM BOUNDARY, 4" OC, UNO).

**STRUCTURAL CONNECTORS:** MANUFACTURERS AND PRODUCT NUMBER FOR CONNECTORS, ANCHORS, AND REINFORCEMENT ARE LISTED FOR EXAMPLE. AN EQUIVALENT DEVICE OF THE SAME OR OTHER MANUFACTURER CAN BE SUBSTITUTED FOR ANY DEVICES LISTED IN THE EXAMPLE TABLES AS LONG AS IT MEETS THE REQUIRED LOAD CAPACITIES. MANUFACTURER'S INSTALLATION INSTRUCTIONS MUST BE FOLLOWED TO ACHIEVE RATED LOADS.

**ANCHOR BOLTS:** A-307 ANCHOR BOLTS WITH MINIMUM EMBEDMENT AS SPECIFIED IN DRAWINGS BUT NO LESS THAN 7" IN CONCRETE OR REINFORCED BOND BEAM OR 15" IN GROUTED CMU.

**WASHERS:** WASHERS USED WITH 1/2" BOLTS TO BE 2" x 2" x 9/64"; WITH 5/8" BOLTS TO BE 3" x 3" x 9/64"; WITH 3/4" BOLTS TO BE 3" x 3" x 9/64"; WITH 7/8" BOLTS TO BE 3" x 3" x 5/16". UNO.

**NAILS:** ALL NAILS ARE COMMON NAILS UNLESS OTHERWISE SPECIFIED OR ACCEPTED BY FBC TEST REPORTS AS HAVING EQUAL STRUCTURAL VALUES.

**BUILDER'S RESPONSIBILITY**

THE BUILDER AND OWNER ARE RESPONSIBLE FOR THE FOLLOWING, WHICH ARE SPECIFICALLY NOT PART OF THE WIND LOAD ENGINEER'S SCOPE OF WORK.

CONFIRM SITE CONDITIONS, FOUNDATION BEARING CAPACITY, GRADE AND BACKFILL HEIGHT, WIND SPEED AND DEBRIS ZONE, AND FLOOD ZONE.

PROVIDE MATERIALS AND CONSTRUCTION TECHNIQUES, WHICH COMPLY WITH FBCR 2004 REQUIREMENTS FOR THE STATED WIND VELOCITY AND DESIGN PRESSURES.

PROVIDE A CONTINUOUS LOAD PATH FROM TRUSSES TO FOUNDATION. IF YOU BELIEVE THE PLAN OMMITS A CONTINUOUS LOAD PATH CONNECTION, CALL THE WIND LOAD ENGINEER IMMEDIATELY.

VERIFY THE TRUSS MANUFACTURER'S SEALED ENGINEERING INCLUDES TRUSS DESIGN, PLACEMENT PLANS, TEMPORARY AND PERMANENT BRACING DETAILS, TRUSS-TO-TRUSS CONNECTIONS, AND UPLIFT AND REACTION LOADS FOR ALL BEARING LOCATIONS.

**ROOF SYSTEM DESIGN**

THE SEAL ON THESE PLANS FOR COMPLIANCE WITH FBCR 2004, SECTION R301.2.1 IS BASED ON REACTIONS, UPLIFTS, AND BEARING LOCATIONS IN TRUSS ENGINEERING SUBMITTED TO THE WIND LOAD ENGINEER. IT IS THE RESPONSIBILITY OF THE BUILDER TO CHECK ALL DETAILS OF THE COMPLETE ROOF SYSTEM DESIGN SUBMITTED BY THE TRUSS MANUFACTURER AND HAVE IT SIGNED, AND SEALED BY A DESIGN PROFESSIONAL FOR CORRECT APPLICATION OF FBC 2001 REQUIRED LOADS AND ANY SPECIAL LOADS. THE BUILDER IS RESPONSIBLE TO REVIEW EACH INDIVIDUAL TRUSS MEMBER AND THE TRUSS ROOF SYSTEM AS A WHOLE AND TO PROVIDE RESTRAINT FOR ANY LATERAL BRACING. THE BUILDER SHOULD USE CARE CHECKING THE ROOF DESIGN BECAUSE THE WIND LOAD ENGINEER IS SPECIFICALLY NOT RESPONSIBLE FOR THE TRUSS LAYOUT WHICH WAS CREATED BY THE TRUSS MANUFACTURER AND THE TRUSS DESIGNER ALSO DENIES RESPONSIBILITY FOR THE LAYOUT PER NOTES ON THEIR SEALED TRUSS SHEETS.

**DESIGN DATA**

**WIND LOADS PER FLORIDA BUILDING CODE 2004 RESIDENTIAL, SECTION R301.2.1**  
(ENCLOSED SIMPLE DIAPHRAGM BUILDINGS WITH FLAT, HIPPED, OR GABLE ROOFS; MEAN ROOF HEIGHT NOT EXCEEDING LEAST HORIZONTAL DIMENSION OR 60 FT; NOT ON UPPER HALF OF HILL OR ESCARPMENT 60FT IN EXP. B, 30FT IN EXP. C AND >10% SLOPE AND UNOBSTRUCTED UPWIND FOR 50x HEIGHT OR 1 MILE WHICHEVER IS LESS.)

BUILDING IS NOT IN THE HIGH VELOCITY HURRICANE ZONE

BUILDING IS NOT IN THE WIND-BORNE DEBRIS REGION

1.) BASIC WIND SPEED = 110 MPH

2.) WIND EXPOSURE = B

3.) WIND IMPORTANCE FACTOR = 1.0

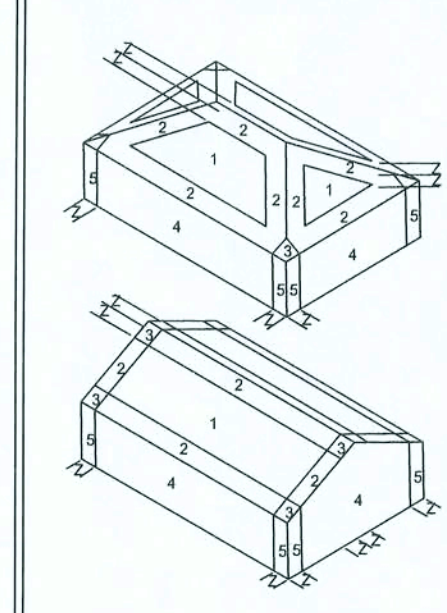
4.) BUILDING CATEGORY = II

5.) ROOF ANGLE = 10-45 DEGREES

6.) MEAN ROOF HEIGHT = <30 FT

7.) INTERNAL PRESSURE COEFFICIENT = N/A (ENCLOSED BUILDING)

8.) COMPONENTS AND CLADDING DESIGN WIND PRESSURES (TABLE R301.2(2))



Zone	Effective Wind Area (ft <sup>2</sup> )			
	10	100		
1	19.9	-21.8	18.1	-18.1
2	19.9	-25.5	18.1	-21.8
2 Ohg		-40.6		-40.6
3	19.9	-25.5	18.1	-21.8
3 Ohg		-68.3		-42.4
4	21.8	-23.6	18.5	-20.4
5	21.8	-29.1	18.5	-22.6
Doors & Windows				
Worst Case (Zone 5, 10 ft <sup>2</sup> )				
8x7 Garage Door	19.5	-22.9		
16x7 Garage Door	18.5	-21.0		

**DESIGN LOADS**  
FLOOR 40 PSF (ALL OTHER DWELLING ROOMS)  
30 PSF (SLEEPING ROOMS)  
30 PSF (ATTICS WITH STORAGE)  
10 PSF (ATTICS WITHOUT STORAGE, <3:12)  
ROOF 20 PSF (FLAT OR <4:12)  
16 PSF (4:12 TO <12:12)  
12 PSF (12:12 AND GREATER)  
STAIRS 40 PSF (ONE & TWO FAMILY DWELLINGS)  
SOIL BEARING CAPACITY 1000PSF  
NOT IN FLOOD ZONE (BUILDER TO VERIFY)

**REVISIONS**

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	06/13/2006

SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE

WINDLOAD ENGINEER: Mark Disoway,  
P.E. #33915, POB 868, Lake City, FL  
32005, 386-754-5419

**DIMENSIONS:** Stated dimensions supersede scaled dimensions. Refer all questions to Mark Disoway, 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 DISOWAY  
P.E. #33915

13 June 2006  
SEAL

Bauhaus, Inc.

Spec House  
Lot 39  
Rolling Meadows S/D

ADDRESS:  
Rolling Meadows S/D  
Columbia County, Florida

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

PRINTED DATE:  
June 13, 2006

DRAWN BY: STRUCTURAL BY:  
David Disoway

FINALS DATE:  
13' Jun / 06

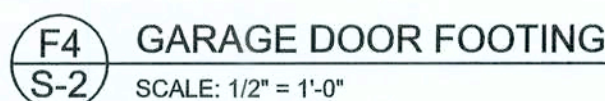
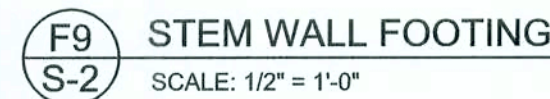
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605225

DRAWING NUMBER

S-1  
OF 3 SHEETS



**SOFTPLAN**  
ARCHITECTURAL DESIGN SOFTWARE



The table assumes 60 ksi reinforcing bars with 6" hook in the footing and bent 24" into the reinforced slab 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 Durowall ladder reinforcement at 16"OC vertically or a horizontal bond beam with 185 continuous at mid height. For higher parts of the wall 12" CMU may be used with reinforcement as shown in the table below.

[illegible]

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

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

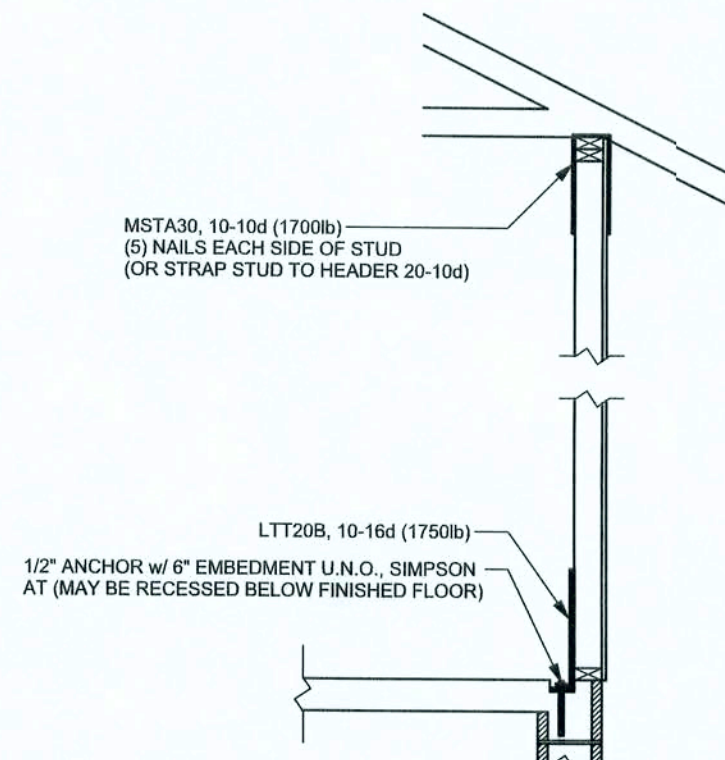
SEAL

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 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-1-03, 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

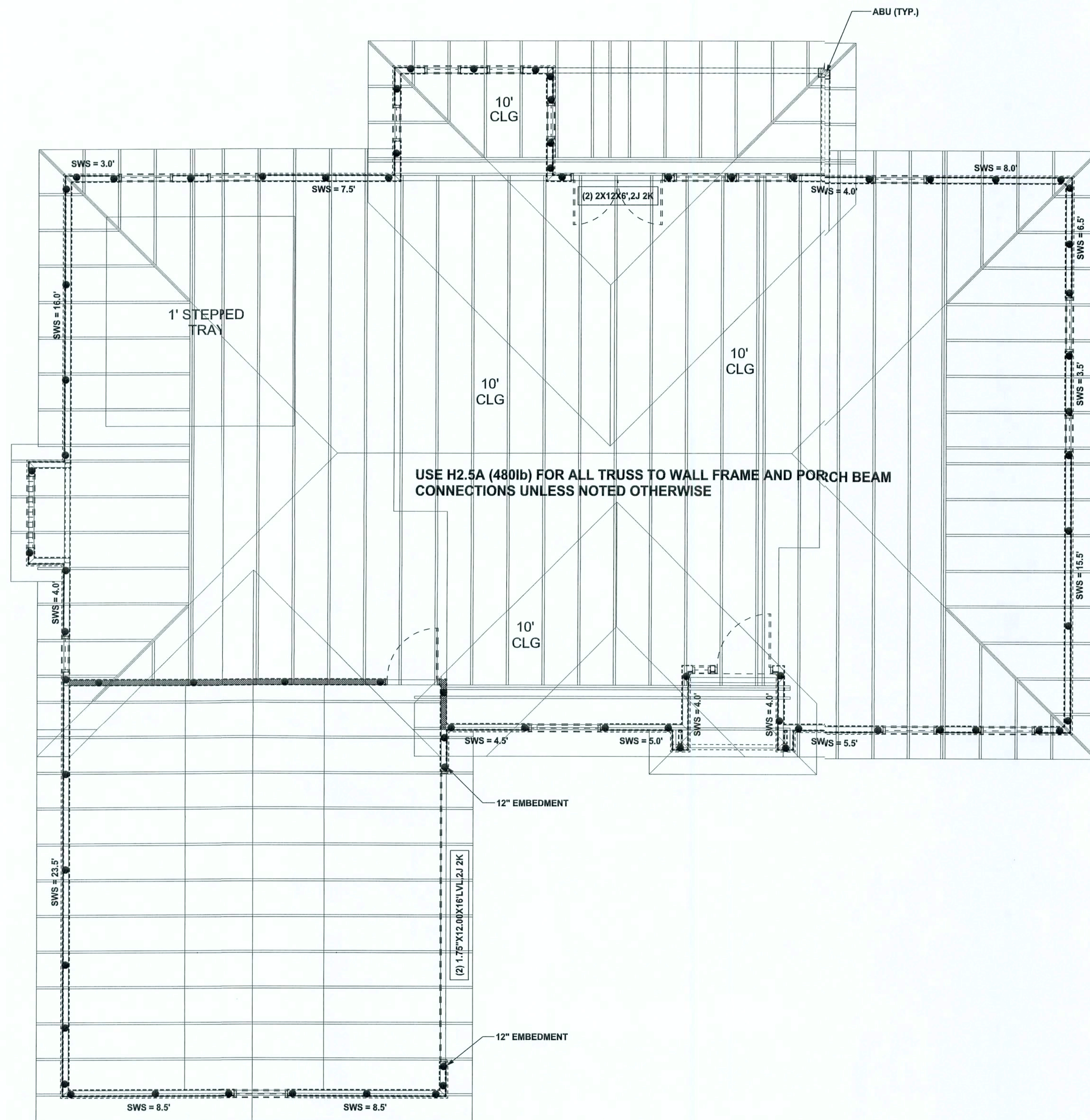
## HEADER LEGEND

- (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	38.6'	77.0'
LONGITUDINAL	35.3'	54.5'



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

WINDLOAD ENGINEER: Mark Disoway,  
PE No. 53915, 08 868, Lake City, FL  
32056, 386-75-5419

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

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form or manner without first the express written  
permission and consent of Mark Disoway.

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 amendments 2004, to the best of my  
knowledge.

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

MARK DISOWAY  
P.E. 53915

SEAL

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Spec House  
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PRINTED DATE:  
June 13, 2006

DRAWN BY: STRUCTURAL BY:  
David Disoway

FINALS DATE:  
13 / Jun / 06

JOB NUMBER:  
605225

DRAWING NUMBER

S-3

OF 3 SHEETS

CONNECTIONS, WALL, & HEADER DESIGN IS BASED  
ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING  
FURNISHED BY BUILDER, MAYO TRUSS  
JOB # BAUHUS - LOT39RM



PLAN: MONTICELLO  
 CUSTOMER NAME:  
 MR. & MRS. NELSON PEREZ  
 HEATED LIVING AREA

GROUND FLOOR: 2194  
 SECOND FLOOR: N/A  
 OTHER: N/A  
 TOTAL HEATED: 2194

**NON-HEATED  
LIVING AREA**

PORCH: 116  
 GARAGE: 451  
 OTHER: N/A  
 TOTAL U/R: 2761

**IMPORTANT-PLEASE READ  
BELOW CAREFULLY**

OUR SALES BROCHURES AND OTHER ADVERTISING LITERATURE ARE INTENDED TO GENERALLY REFLECT AND DEPICT THE STYLES AND QUALITY OF HOMES WE BUILD THROUGHOUT A PORTION OF THE UNITED STATES. OUR SALES MODELS ARE DESIGNED AND BUILT TO GENERALLY CONFORM WITH A VARIETY OF LOCAL CUSTOMS, PRACTICES, AND BUILDING CODES PREVALENT OR IN EFFECT IN THE IMMEDIATE AREA SURROUNDING THE LOCATION OF THOSE MODELS. THIS SET OF PLANS IS AN ACTUAL PART OF OUR CONTRACT WITH YOU AND, AS SUCH, IS INTENDED TO TAKE PRIORITY OVER ANYTHING IN CONFLICT WITH IT CONTAINED IN OUR ADVERTISING LITERATURE, OUR SALES MODELS AND EVEN OUR ORAL SALES PRESENTATION. NO CHANGE, MODIFICATION, OR REVISION OF THESE PRINTED PLANS SHALL BE BINDING ON THE PARTIES UNLESS SET FORTH ON THESE PLANS OR OTHERWISE REDUCED TO WRITING AND EXECUTED BY SAID PARTIES. PLEASE REVIEW THESE PLANS ALONG WITH "EXHIBIT B" OF YOUR CONTRACT CAREFULLY AND MAKE CERTAIN BEFORE YOU SIGN THEM THAT THEY ACCURATELY REPRESENT THE HOME YOU ARE PURCHASING. ADDITIONALLY, PENNYWORTH HOMES INC. HEREBY RESERVES THE RIGHT TO SUBSTITUTE MATERIALS OF EQUIVALENT QUALITY AND/OR TECHNIQUES OF ASSEMBLY AND/OR CONSTRUCTION METHODS FROM THAT CONTAINED IN THESE PLANS OR SPECIFIED IN EXHIBIT "B" WHERE NECESSARY TO ACCOMMODATE DIFFERENCES IN LOCAL CODES, GEOGRAPHIC CUSTOMS, OPTION SELECTION AND AVAILABILITY OF MATERIALS. ALL MATERIALS (LUMBER, OR OTHER BUILDING SUPPLIES) DELIVERED TO JOBSITE WHICH ARE IN EXCESS OF THOSE REQUIRED TO CONSTRUCT THE HOUSE AS AGREED REMAIN THE PROPERTY OF PENNYWORTH HOMES INC.

**NOTE:**  
 PENNYWORTH HOMES INC. RESERVES THE RIGHT TO ONLY MAKE CHANGES TO PLANS, REQUESTED BY BUYERS, THAT PENNYWORTH HOMES INC. DEEMS TO BE AESTHETICALLY, ARCHITECTURALLY, AND STRUCTURALLY SOUND.

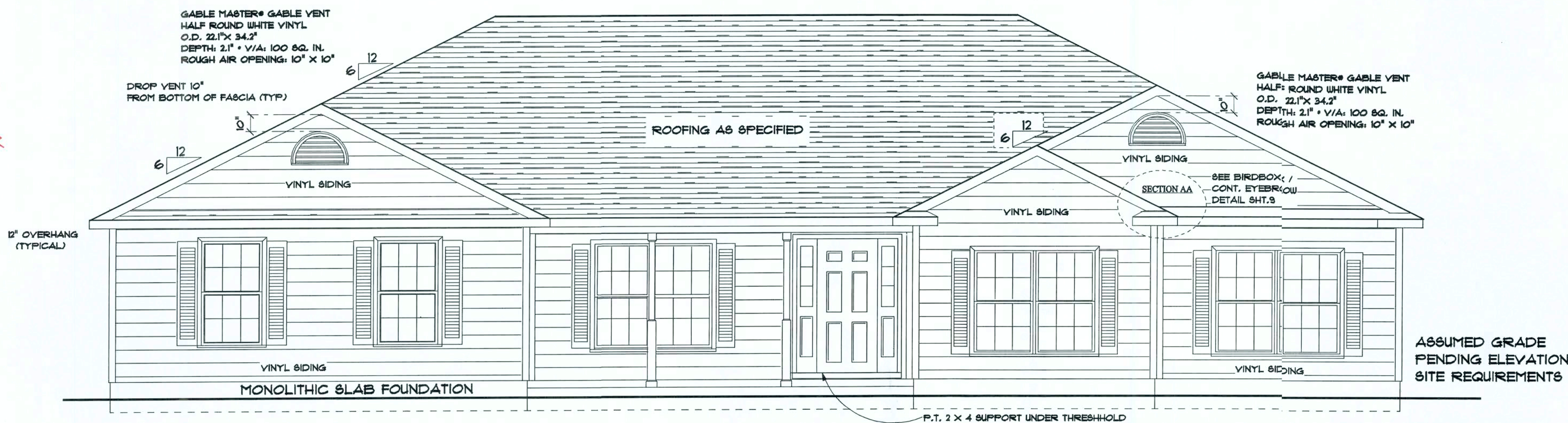
THIS PLAN REFLECTS THE DESIGN AS PER BUYERS' FINAL APPROVED SIGNED PLANS DATED 6/09/2006. CHANGES MADE TO REPLICATE ENGINEERS NOTES AND CALCULATIONS.

CONSTRUCTION PLANS

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

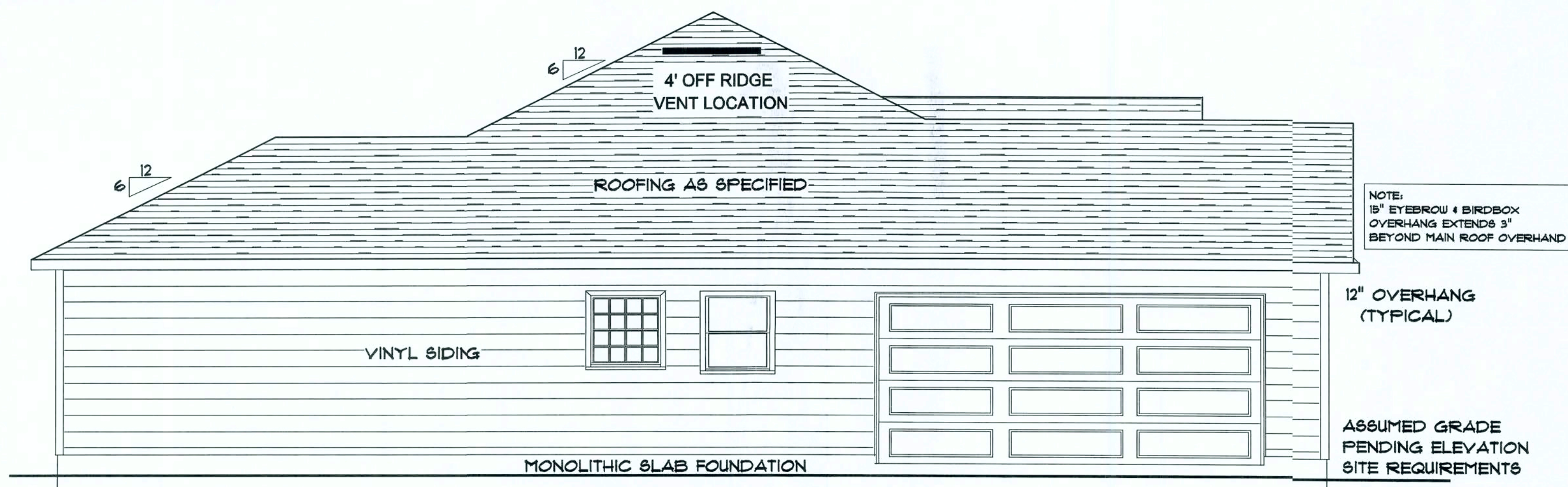
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**NOTE!:**  
 REFER TO ENGINEERING FOR SPECIFICATIONS AND CALCULATIONS.



FRONT ELEVATION

OFF RIDGE VENTS ARE REQUIRED  
 DO NOT PLACE ON FRONT OF HOUSE



LEFT ELEVATION

REV.#	REV. DATE:	DRAWN BY:	DISCRIPTION OF REVISION