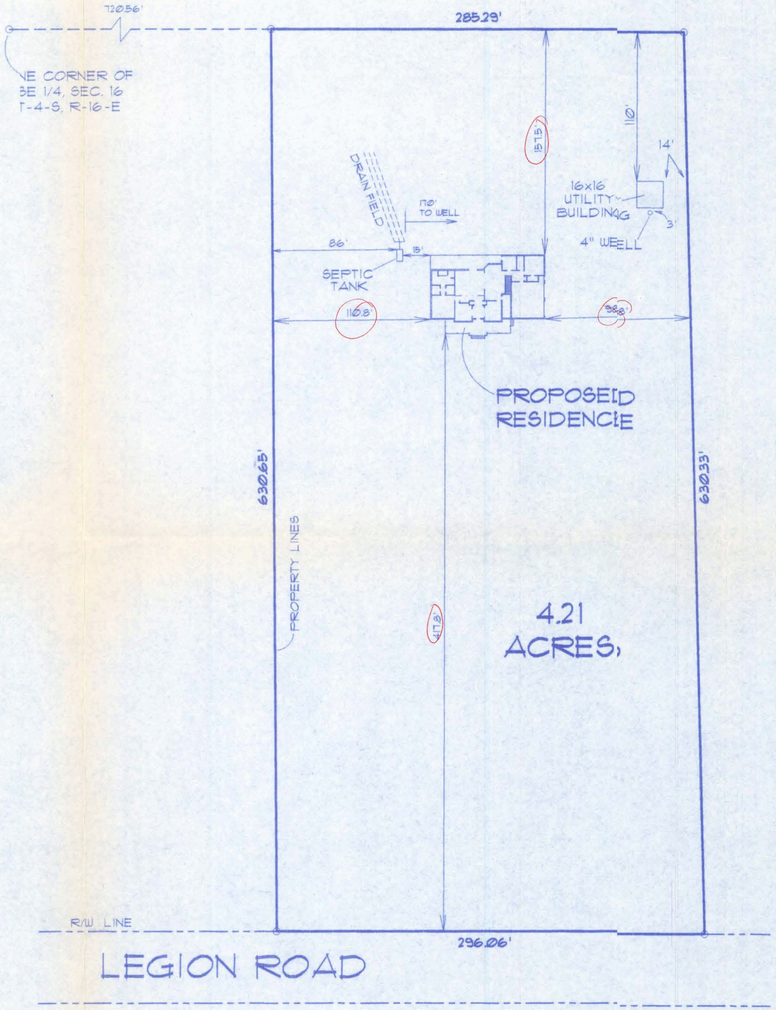
Sessions Residence



SITE PLAN
ADDENDUM
SCALE: 1 IN. = 50 FT.

DESCRIPTION

PART OF THE SOUTHEAST 1/4 OF SECTION 16, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA. 4.21 ACRES MORE OR LESS.

NOTES:

1.) BUILDING LOCATION PER OWNER OR CONTRACTOR.

2.) LOT DIMENSIONS TAKEN FROM SURVEY FURNISHED BY OWNER.

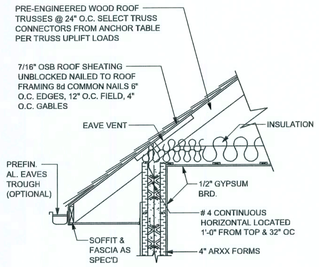
3.) BUILDER SHALL VERIFY ALL APPLICABLE SETBACKS, REGULATIONS AND DEED RESTRICTIONS.

4.) THIS SITE PLAN IS PROVIDED AS AN ADDENDUM TO THE ORIGINAL SITE PLAN APPEARING ON SHEET A-1 OF THESE PLANS.

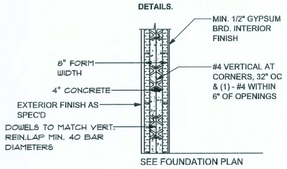
A-7

ADDENDUM TO SESSIONS RESIDENCE
PLANS DATED 9/21/2006 - WO No. 05-044

FILE: 05-044	SESSIONS RESIDENCE	SHEET: 7 of 7
DATE: 12-26-06		CAD FILE: C5044
DRAWN: T A D	PREPARED BY: TIM DELBENE Drafting + Technical Services	REV:
CHECK: T A D	192 SW Sagewood Gln. Lake City, FL 32024 Phone (386) 755-5891	REV:

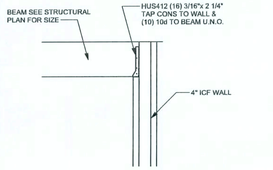


NOTE: ALL ICF MANUALS, DETAILS, AND SPECIFICATIONS ARE INCLUDED BY REFERENCE AND SUPERCEDE REQUIREMENTS ON THIS SHEET WHERE ICF MANUAL REQUIREMENTS ARE MORE STRINGENT. USE ICF MANUAL HEADER TABLES AND OPENING DETAILS.



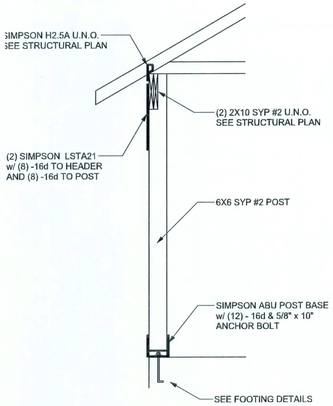
SINGLE STORY 4" ICF EXT. WALL SECTION

SCALE: NTS



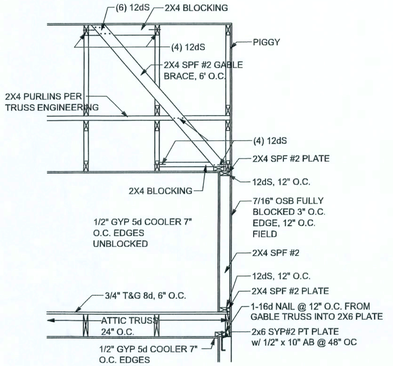
BEAM TO ICF CONNECTION DETAIL

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



TYPICAL PORCH POST DETAIL

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



BONUS ROOM / GABLE END BRACING

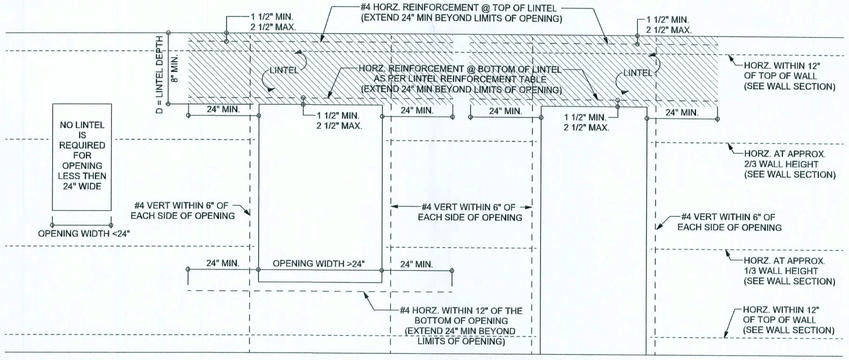
SCALE: 1/2"=1'-0"

MAX. ALLOWABLE CLEAR SPANS FOR ICF LINTELS WITHOUT STIRRUPS IN GABLE END WALLS (NON-LOAD-BEARING GABLE END WALLS) (#4 BOTTOM LINTEL REINFORCEMENT)		
MIN. LINTEL DEPTH, D	SUPPORTING FRAME GABLE END WALL ONLY	SUPPORTING ICF SECOND STORY & GABLE END WALL
8"	16'-3"	4'-4"
12"	16'-3"	7'-0"
16"	16'-3"	9'-7"
20"	16'-3"	12'-0"
22"	16'-3"	14'-3"

MIMIMUM BOTTOM BAR SIZE FOR ICF LINTEL REINFORCEMENT FOR LARGE CLEAR SPANS WITH STIRRUPS IN LOAD-BEARING WALL				
MAX. LINTEL CLEAR SPAN	MIN. LINTEL DEPTH	SUPPORTING FRAME ROOF ONLY	SUPPORTING FRAME 2nd STORY & ROOF	SUPPORTING ICF 2nd STORY & FRAME ROOF
		MAX. ROOF / FLOOR CLEAR SPAN = 34'		
12'-3"	20"	1-#6 ; 2-#4		
	24"	1-#5	2-#5	2-#6
16'-3"	24"	2-#5		

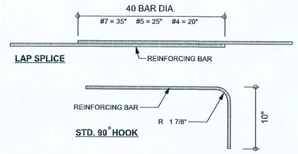
MAX. ALLOWABLE CLEAR SPANS FOR ICF LINTELS WITHOUT STIRRUPS IN LOAD-BEARING WALLS (#4 BOTTOM LINTEL REINFORCEMENT)									
MIN. LINTEL DEPTH, D	SUPPORTING FRAME ROOF ONLY			SUPPORTING FRAME 2nd STORY & ROOF			SUPPORTING ICF 2nd STORY & FRAME ROOF		
	MAX. ROOF / FLOOR CLEAR SPAN								
	24'	28'	34'	24'	28'	34'	24'	28'	34'
8"	3'-10"	2'-11"	2'-10"	2'-9"	2'-7"	2'-6"	2'-9"	2'-7"	2'-6"
12"	5'-1"	4'-1"	4'-8"	4'-8"	4'-5"	4'-3"	4'-2"	4'-0"	3'-10"
16"	7'-0"	7'-5"	6'-5"	5'-1"	4'-10"	4'-8"	4'-8"	4'-5"	4'-3"
20"	8'-11"	8'-6"	8'-2"	6'-7"	6'-3"	6'-0"	5'-11"	5'-8"	5'-5"
24"	10'-7"	10'-1"	9'-8"	8'-5"	7'-8"	7'-4"	7'-2"	6'-10"	6'-7"

MAX. ALLOWABLE CLEAR SPANS FOR ICF LINTELS WITH STIRRUPS IN LOAD-BEARING WALLS (#4 BOTTOM LINTEL REINFORCEMENT)									
ALLOWABLE LINTELS CLEAR SPANS: 4'-8" / 1'-5" — MIDDLE PORTION OF SPAN WHERE STIRRUPS ARE NOT REQUIRED									
MIN. LINTEL DEPTH, D	SUPPORTING FRAME ROOF ONLY			SUPPORTING FRAME 2nd STORY & ROOF			SUPPORTING ICF 2nd STORY & FRAME ROOF		
	MAX. ROOF / FLOOR CLEAR SPAN								
	24'	28'	34'	24'	28'	34'	24'	28'	34'
8"	5'-8" / 2'-2"	5'-5" / 2'-0"	5'-2" / 1'-10"	4'-2" / 1'-2"	4'-0" / 1'-1"	3'-10" / 1'-0"	3'-9" / 1'-0"	3'-7" / 11"	3'-5" / 10"
12"	7'-4" / 3'-7"	7'-0" / 3'-3"	6'-8" / 3'-0"	5'-6" / 2'-0"	5'-3" / 1'-10"	5'-0" / 1'-8"	4'-11" / 1'-7"	4'-8" / 1'-5"	4'-6" / 1'-4"
16"	8'-7" / 4'-10"	8'-2" / 4'-5"	7'-10" / 4'-1"	6'-7" / 2'-9"	6'-3" / 2'-6"	6'-0" / 2'-4"	5'-10" / 2'-3"	5'-7" / 2'-1"	5'-4" / 1'-11"
20"	9'-8" / 6'-3"	9'-3" / 5'-9"	8'-10" / 5'-3"	7'-5" / 3'-7"	7'-1" / 3'-3"	6'-9" / 3'-0"	6'-8" / 2'-11"	6'-4" / 2'-7"	6'-1" / 2'-5"
24"	10'-7" / 7'-8"	10'-1" / 6'-10"	9'-8" / 6'-3"	8'-1" / 4'-4"	7'-9" / 4'-0"	7'-5" / 3'-8"	7'-4" / 3'-6"	7'-0" / 3'-2"	6'-8" / 2'-11"



TYPICAL OPENING / LINTEL DETAIL

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

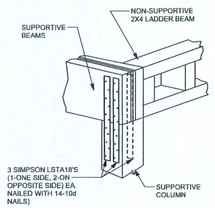


REBAR DETAILS

SCALE: N.T.S.

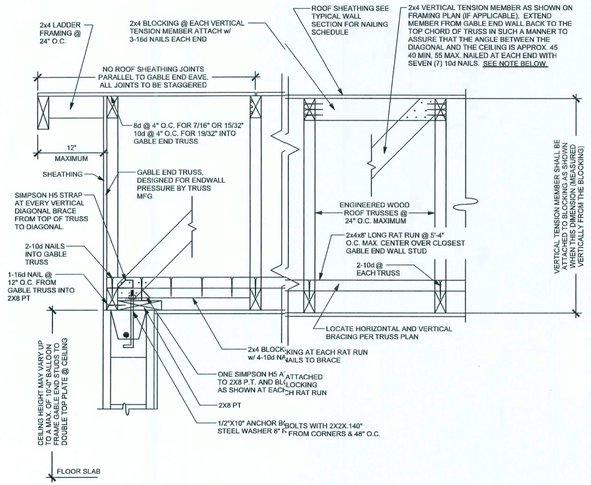
BEAM MID-WALL CONNECTION DETAIL

SCALE: N.T.S.

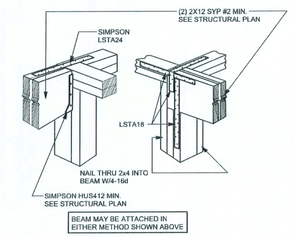


SUPPORTIVE POST TO BEAM DETAIL FOR SINGLE BEAM

SCALE: N.T.S.

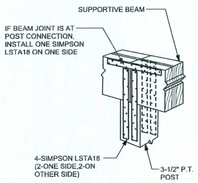


GABLE END DETAIL



BEAM CORNER CONNECTION. DETAIL

SCALE: N.T.S.



SUPPORTIVE CENTER POST TO BEAM DETAIL

SALE: N.T.S.

ROOF SYSTEM DESIGN

THE SEAL ON THESE PLANS FOR COMPLIANCE WITH FBCR 2004, SECTION R302.1.2 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 FBCR 2004 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.

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 VERIFY THE TRUSS DESIGNER 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; 2X8 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 3'.

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 RATIOS OF SLAB AREAS SHALL NOT EXCEED 1.5 AND TYPICAL SPACING OF CUTS TO BE 12FT. DO NOT CUT WWM OR REINFORCING STEEL. (RECOMMENDED LOCATION OF CONTROL JOINTS IS SUBJECT TO OWNER AND CONTRACTOR'S APPROVAL. THE CONTROL JOINTS ARE NOT INTENDED TO PREVENT CRACKS BUT RATHER TO ENCOURAGE THE SLAB TO CRACK ON A GIVEN LINE.)

REBAR: ASTM A 615, GRADE 60, DEFORMED BARS, FY = 60 KSI. ALL LAP SPLICES 48 * DB (30" FOR #5 BARS); UNO. ALL REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 315-96, U.N.O.

ROOF SHEATHING: ALL ROOFS ARE HORIZONTAL DIAPHRAGMS; 7/16" OSB SHEATHING, UNBLOCKED, APPLIED PERPENDICULAR TO FRAMING, OVER A MINIMUM OF 3 FRAMING MEMBERS, WITH PANEL EDGES STAGGERED, FASTENED WITH 8d COMMON NAILS (131), 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 NOT ENDORSEMENT. 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.

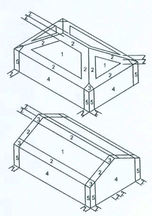
NAILS: ALL NAILS ARE COMMON NAILS UNLESS OTHERWISE SPECIFIED OR ACCEPTED BY FBC TEST REPORTS AS HAVING EQUAL STRUCTURAL VALUES.

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 OMITS 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.

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 (ft2)			
	10		100	
1	19.9	-21.8	18.1	-18.1
2	19.9	-25.5	18.1	-21.8
2 O'hg		-40.6		-40.6
3	19.9	-25.5	18.1	-21.8
3 O'hg		-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 ft2)	21.8	-29.1
8x7 Garage Door	19.5	-22.9
16x7 Garage Door	18.5	-21.6

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	

SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE

WINDLOAD ENGINEER: Mark Disosway, PE No.53911 POB 868, Lake City, FL 32056, 386-754-5419

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

CERTIFICATION: I hereby certify that I have examined thi plan, and that the applicable portions of thi plan, relating to wind engineering comply with ection R301.2.1, florida building code residenial 2004, to the best of my knowledge

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

MARK DISOSWAY
P.E. 53911

SEAL

BARRY SESSIONS

ADDRESS:
Columbia County, Florida
(Legion Road)

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

PRINTED DATE:
October 05, 2006

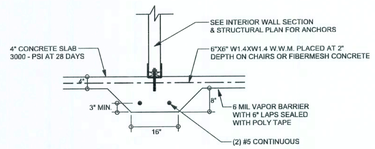
DRAWN BY:	STRUCTURAL BY:
Ben Sparks	Ben Sparks

FINALS DATE:
5 / Oct /06

JCB NUMBER:
609241

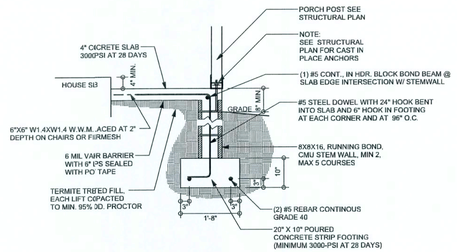
DRAWING NUMBER
S-1

OF 3 SHEETS



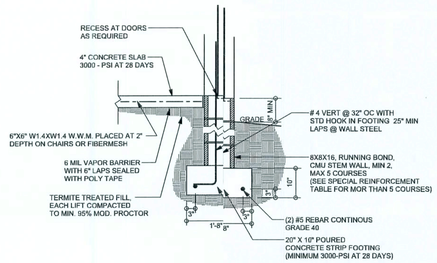
F2 S-2 INTERIOR BEARING FOOTING

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



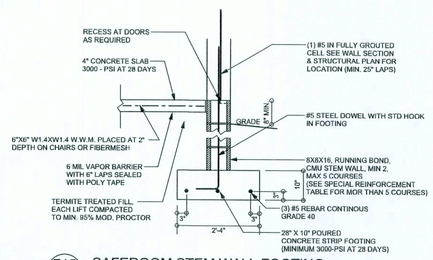
F12 S-2 ALT. STEM WALL PORCH FOOTING

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



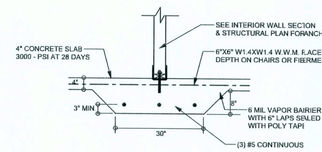
F17 S-2 STEM WALL FOOTING

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



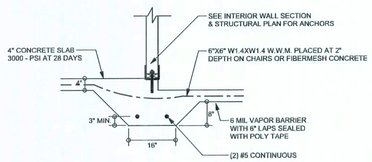
F15 S-2 SAFEROOM STEM WALL FOOTING

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



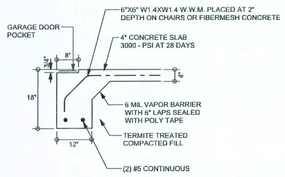
F22 S-2 SAFEROOM BEARING FOOTING

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



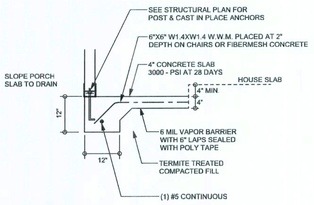
F3 S-2 INTERIOR BEARING STEP FOOTING

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



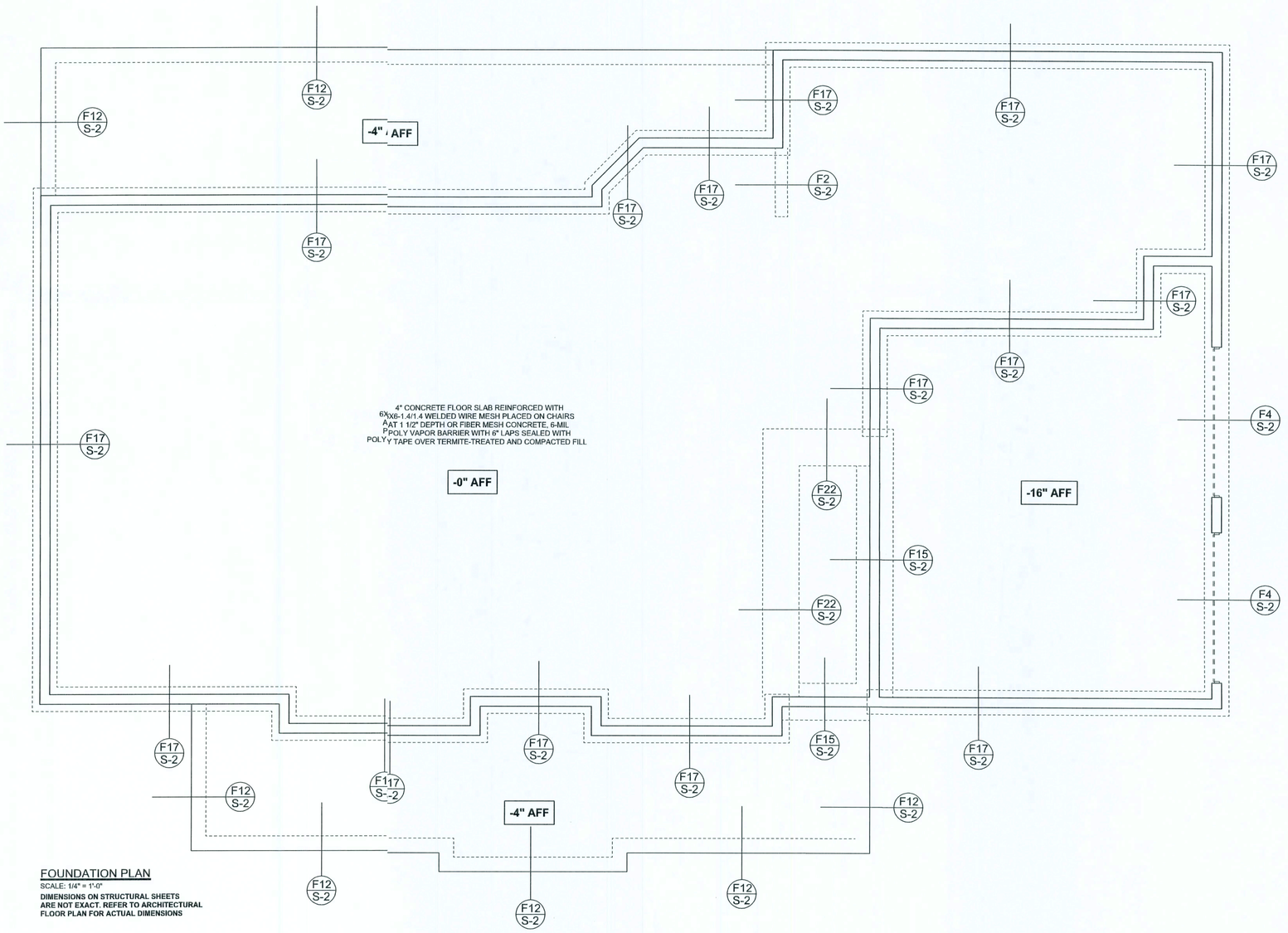
F4 S-2 GARAGE DOOR FOOTING

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



F5 S-2 PORCH 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 Disosway, PE No.5915, POB 868, Lake City, FL 32056, 36-754-5419

DIMENSONS:
Stated dimensions supercede scaled dimensions. Refer all questions to Mark Disseway, P.E. for resolution. Do not proceed without clarification.

CERTIFATION: I hereby certify that I have examine this plan, and that the applicable portions o fthe plan, relating to wind engineering comply wth section R301.2.1, florida building code residential 2004, to the best of my knowledg.

LIMITATON: This design is valid for one building, it specified location.

MARK DISOSWAY
P.E. 53915

05 OCT 06

SEAL

BARRY SESSIONS

ADDRESS:
Columbia County, Florida
(Legion Road)

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

PRINTED DATE:
October 05, 2006

DRAWN BY:	STRUCTURAL BY:
Ben Sparks	Ben Sparks

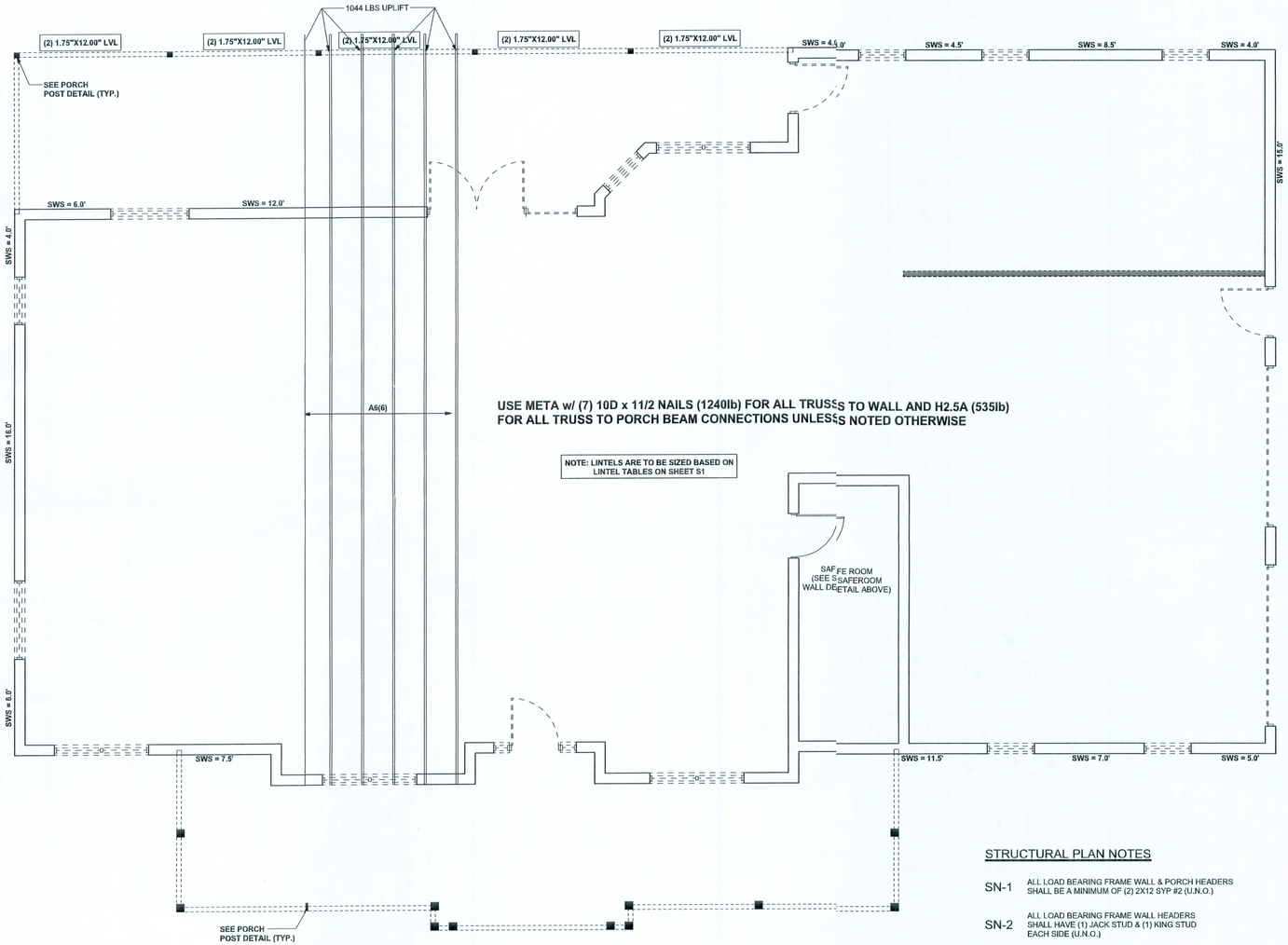
FINAS DATE: 5 / Cat / 06

JOB NUMBER: 609241

DRAWING NUMBER

S-2

OF 3 SHEETS



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

USE META w/ (7) 10D x 11/2 NAILS (1240lb) FOR ALL TRUSS TO WALL AND H2.5A (535lb) FOR ALL TRUSS TO PORCH BEAM CONNECTIONS UNLESS NOTED OTHERWISE

NOTE: LINTELS ARE TO BE SIZED BASED ON LINTEL TABLES ON SHEET S1

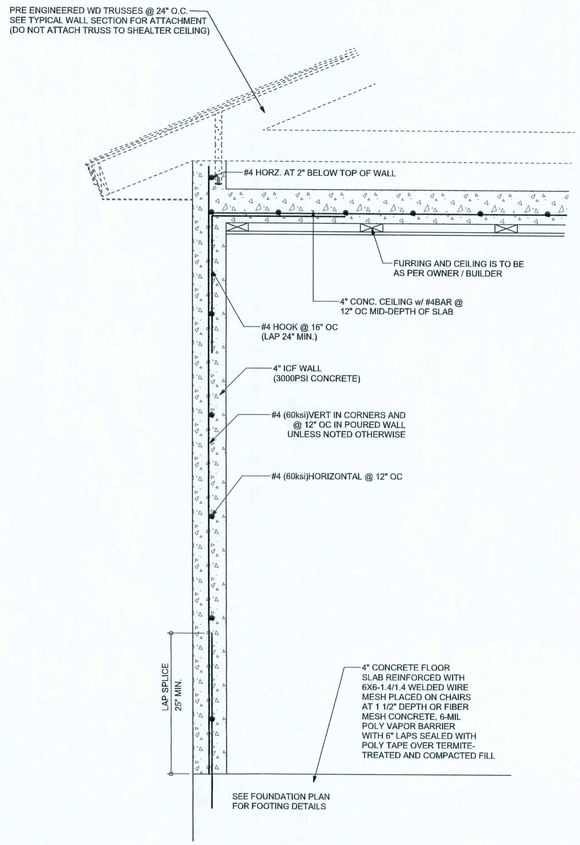
STRUCTURAL PLAN NOTES

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 BCSI1-03, BCSI-B1, BCSI-B2, & BCSI-B3. BCSI-B1, BCSI-B2, & BCSI-B3 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE

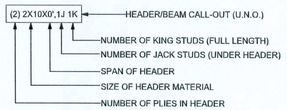


TYPICAL STORM ROOM CONCRETE WALL SECTION
SCALE: 1" = 1'-0"

WALL LEGEND

SWS = 0.0'	1ST FLOOR ICF EXTERIOR WALL
SWS = 0.0'	2ND FLOOR EXTERIOR WALL WITH 7/16" O.S.B. WALL SHEATHING FULLY BLOCKED 8d COMMON NAILS 6" O.C. EDGE, 12" O.C. FIELD (U.N.O.)
IBW	1ST FLOOR INTERIOR BEARING WALLS SEE DETAILS ON SHEET S-1
IBW	2ND FLOOR INTERIOR BEARING WALLS SEE DETAILS ON SHEET S-1

HEADER LEGEND



TOTAL SHEAR WALL SEGMENTS

SWS = 0.0' INDICATES SHEAR WALL SEGMENTS

	REQUIRED	ACTUAL
TRANSVERSE	29.0'	41.0'
LONGITUDINAL	18.5'	70.0'

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY MAYOTRUSS CO.
JOB BSESSIONS

REVISIONS	

SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE

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

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

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

SEAL

BARRY SESSIONS

ADDRESS:
Columbia County, Florida
(Legion Road)

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

PRINTED DATE:
October 05, 2006

DRAWN BY: Ben Sparks
STRUCTURAL BY: Ben Sparks

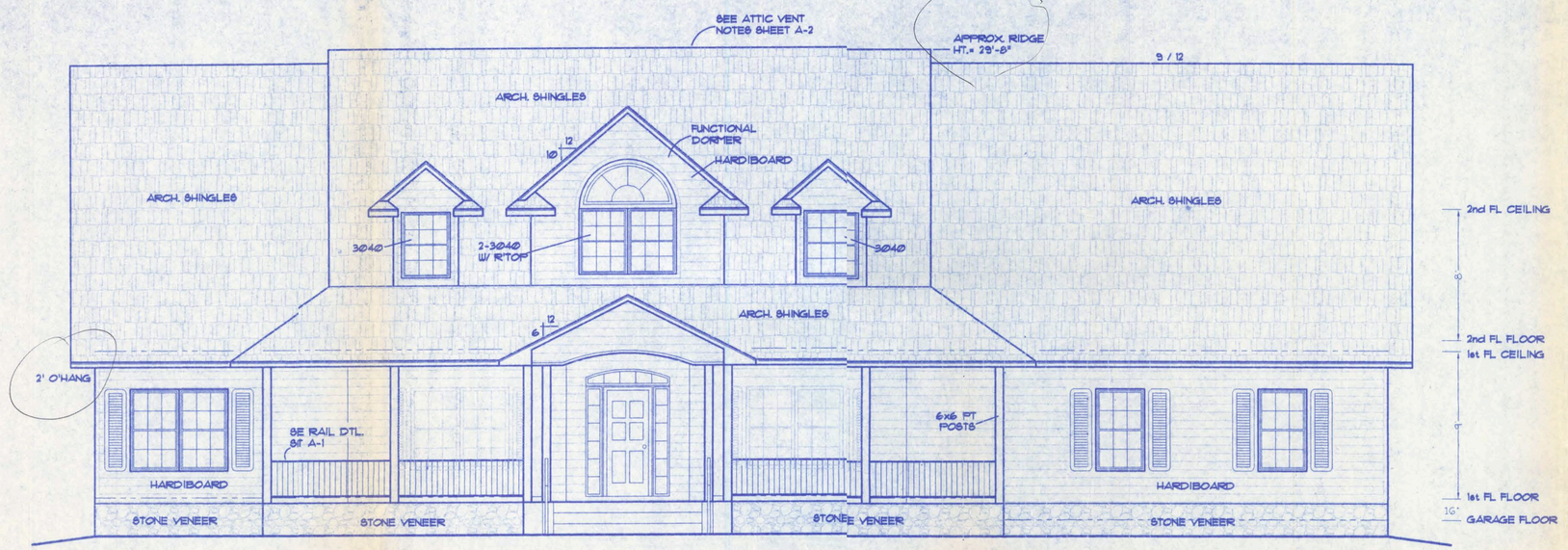
FINALS DATE:
5 / Oct / 06

JOB NUMBER:
609241

DRAWING NUMBER
S-3

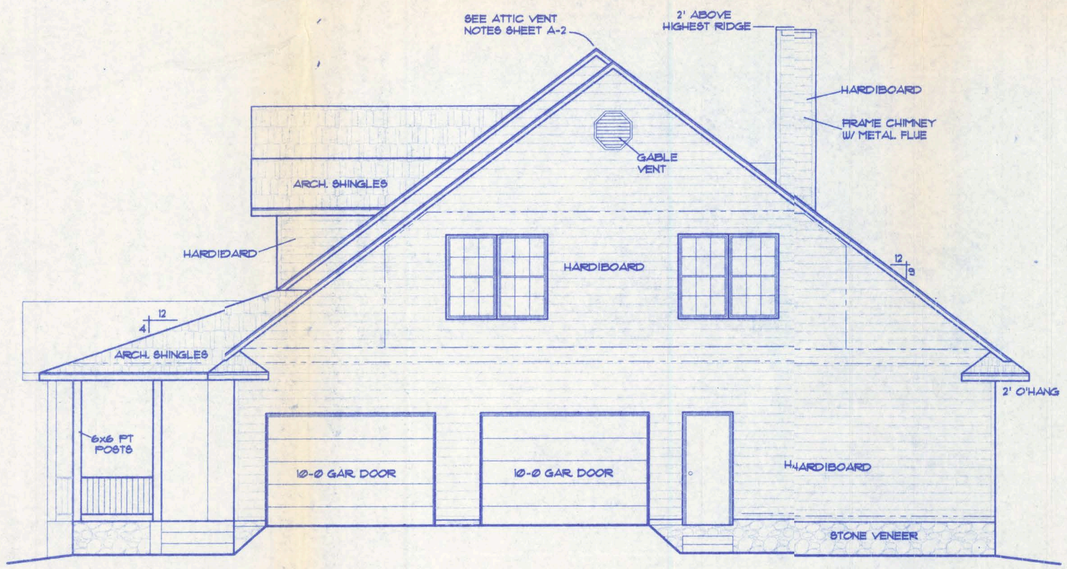
OF 3 SHEETS

Sessions Residence



FRONT ELEVATION

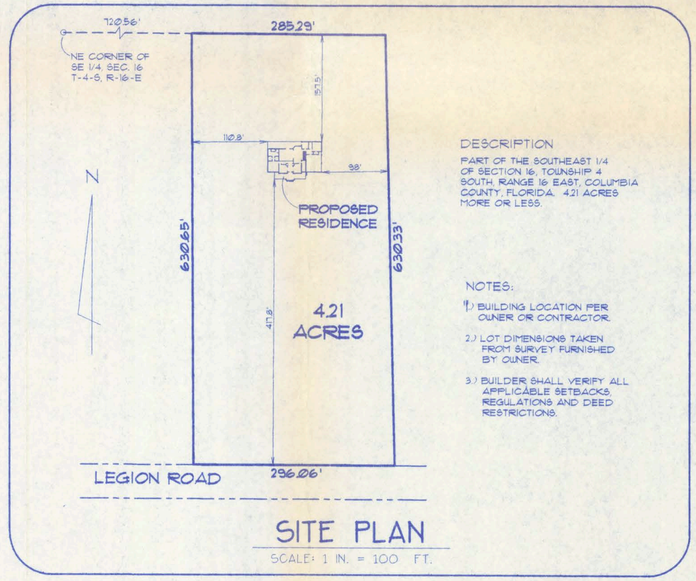
SCALE: 1/4 IN. = 1 FT.



RIGHT ELEVATION

SCALE: 1/4 IN. = 1 FT.

Index to Sheets



DESCRIPTION

PART OF THE SOUTHEAST 1/4 OF SECTION 16, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA. 4.21 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. = 100 FT.

A-1

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

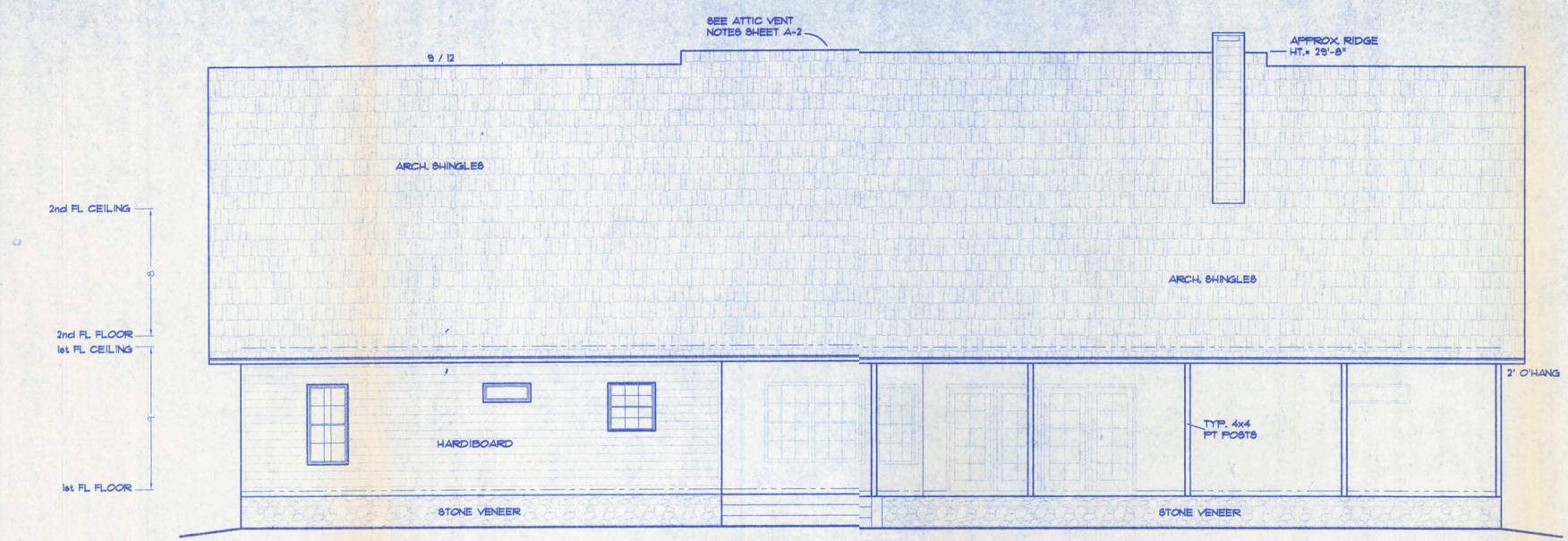
CERTIFICATION: These plans and "Windload Engineering", Sheet S-1, attached, comply with Florida Building Code Residential 2004, Section R301.2.1 to the best of my knowledge.

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.

Location: LEGION ROAD, LAKE CITY Job No.:

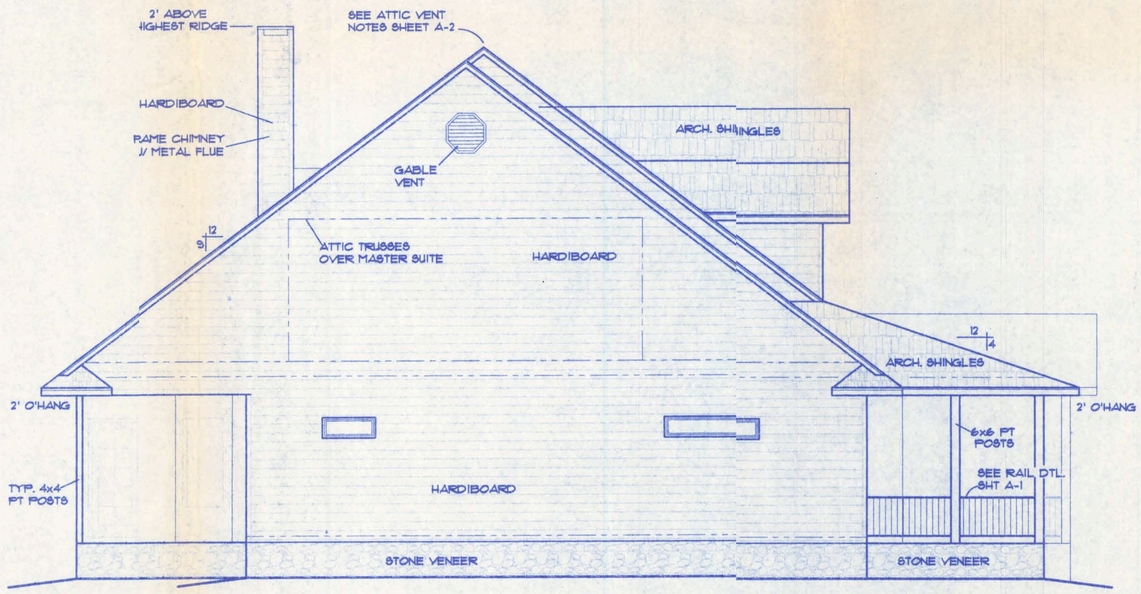
05OCT06

FILE: 05-044	SESSIONS RESIDENCE	SHEET: 1 of 6
DATE: 9-21-06		CAD FILE: 05044
DRAWN: T A D	PREPARED BY: TIM DELBENE Drafting + Technical Services	REV:
CHECK: T A D	192 SW Sagewood Gln. Lake City, FL 32024 Phone (386) 755-5841	REV: #



REAR ELEVATION

SCALE: 1/4 IN. = 1 FT.



LEFT ELEVATION

SCALE: 1/4 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, wit h 1 / 8 inch (3.2 mm) minimum to ¼ 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.

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 Manufactuer 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.

WINDLOAD ENGINEER: Mark Disosway, 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.

Location: LEGION ROAD, LAKE CITY Job No.:

050CT06

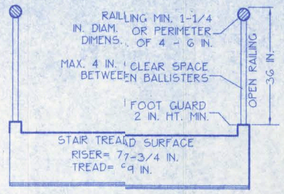
A-2

FILE: 05-044	SESSIONS RESIDENCE	SHEET: 2 of 6
DATE: 9-21-06		CAD FILE: 05044
DRAWN: T A D	PREPARED BY: TIM DELBENE Drafting + Technical Services	REV:
CHECK: T A D	192 SW Sagewood Gn. Lake City, FL 32024 Phone (386) 755-5891	REV:

AREA SUMMARY

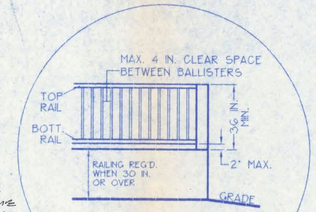
FIRST FLOOR - - - - - -	2521 SF
SECOND FLOOR - - - - -	1147 SF
TOTAL CONDITIONED --	3668 SF
GARAGE - - - - - - - - - -	584 SF
PORCHES - - - - - - - - - -	880 SF
TOTAL ROOF - - - - - - - -	3985 SF

(INCLUDES 1st FLOOR, GARAG PORCHES)



STAIR DETAIL

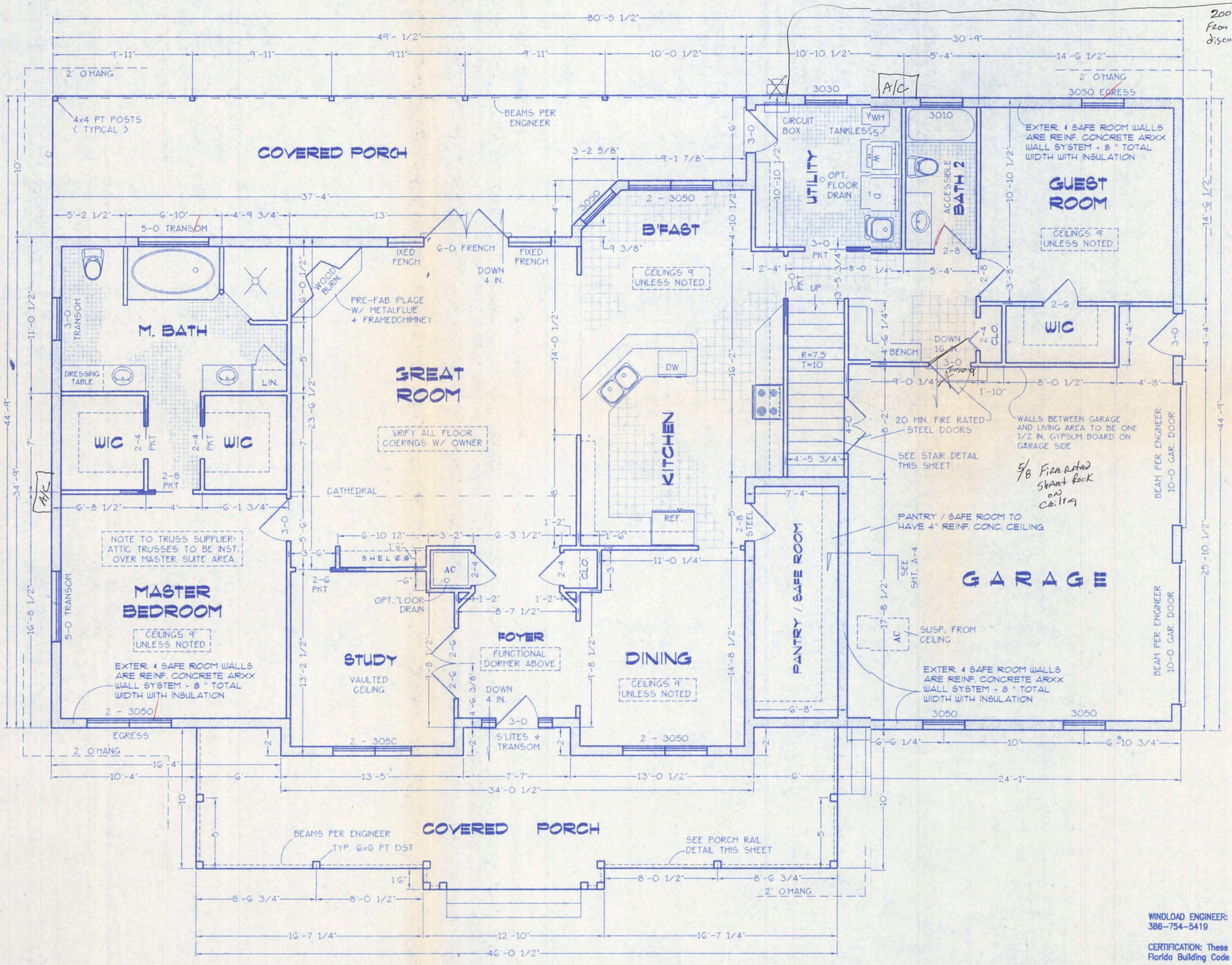
NOT TO SCALE



PORCH RAIL DETAIL

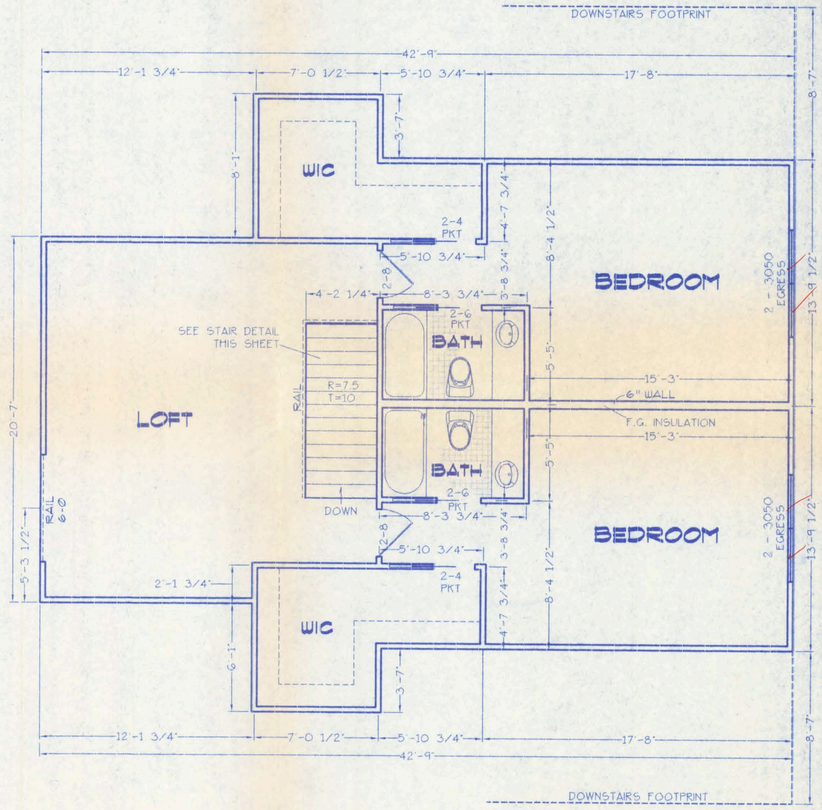
NOT TO SCALE

200 amp underground line From Existing meter with disconnect



FLOOR PLAN

SCALE: 1/4 IN. = 1 FT.



2nd FLOOR

SCALE: 1/4 IN. = 1 FT.

A-3

WINDLOAD ENGINEER: Mark Disosway, 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.

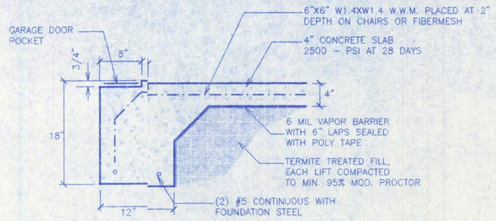
Location: LEGION ROAD, LAKE CITY Job No.:

05OCT06

FILE: 05-044	SESSIONS RESIDENCE	SHEET: 3 of 6
DATE: 9-21-06		CAD FILE: 05044
DRAWN: T A D	PREPARED BY: TIM DELBENE Drafting + Technical Services	REV:
CHECK: T A D	192 SW Sagewood Gln. Lake City, FL 32024 Phone (386) 755-5891	REV:

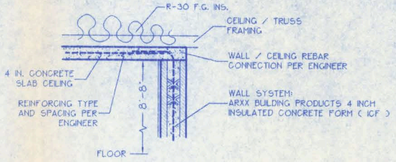
FOUNDATION NOTES:

- CONTRACTOR SHALL EXAMINE ROOF TRUSS PLAN (BY SUPPLIER) TO DETERMINE ANY ADDITIONAL BEARING REQUIRMENTS BEFORE FINALIZING THE FOUNDATION PLAN.
- ALL CONCRETE @ 2500 PSI STRENGTH (MIN.)
- SEE FLOOR PLAN FOR DIMENSIONS.
- SITE ANALYSIS AND PREPARATION DATA IS NOT A PART OF THIS PLAN AND IS THE RESPONSIBLITY OF THE CONTRATOR / OWNER.

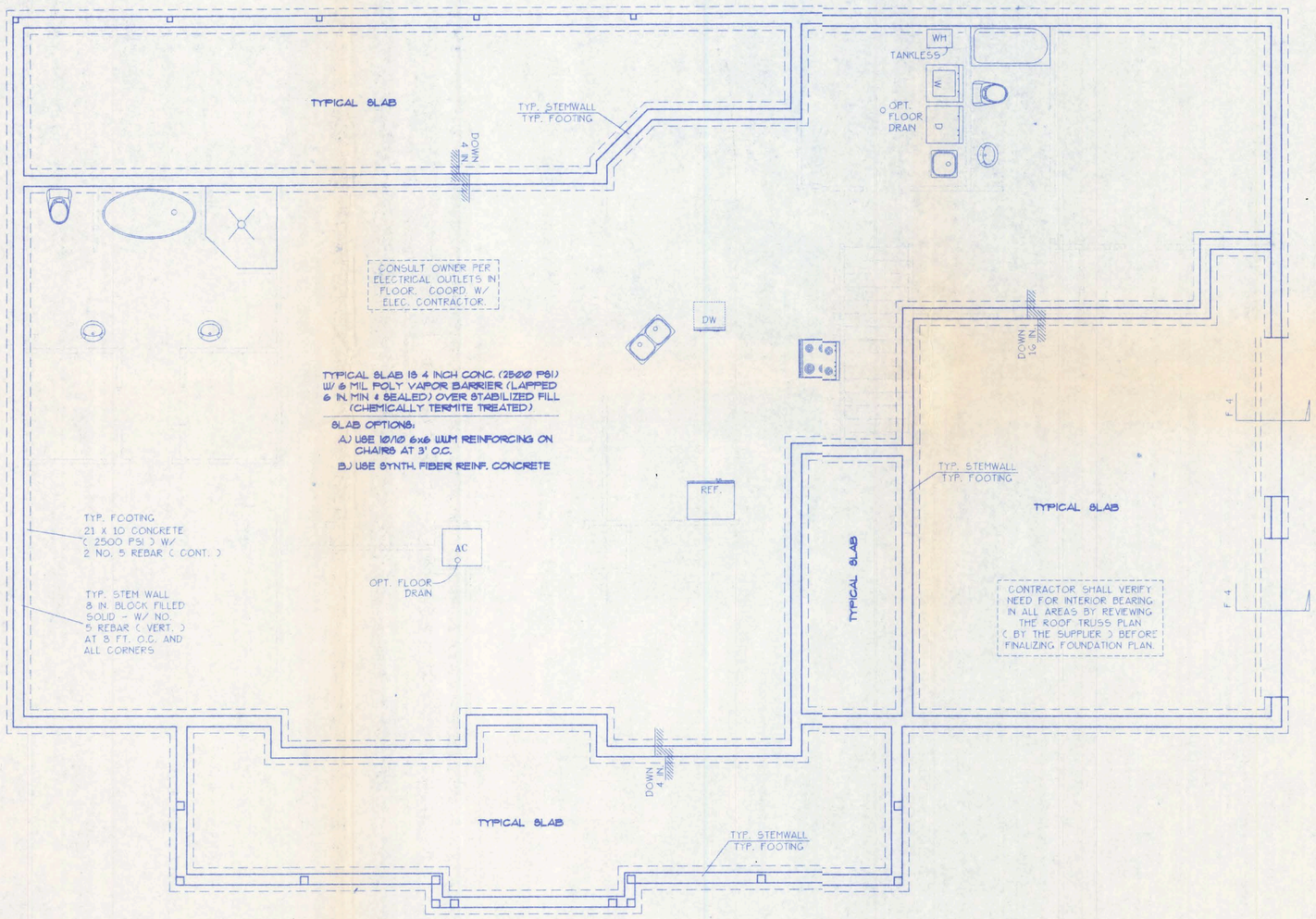


F4 - GARAGE DOOR POCKET

SCALE: 1" = 1'-0"

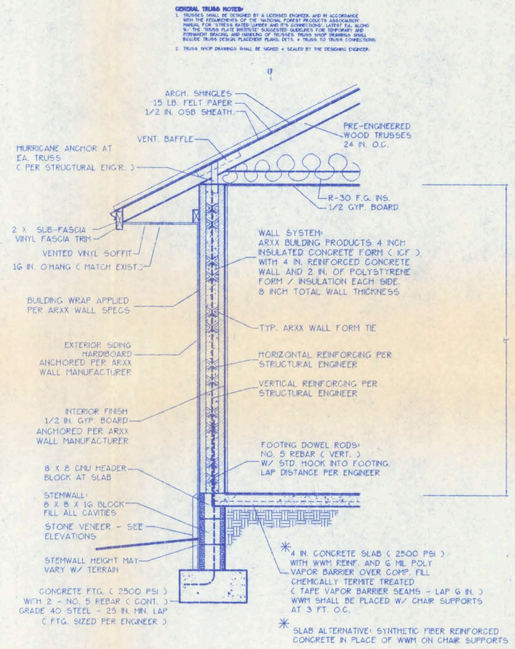


PANTRY / SAFE ROOM CONC. CEILING



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: 1/2 IN. = 1 FT.

A-4

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

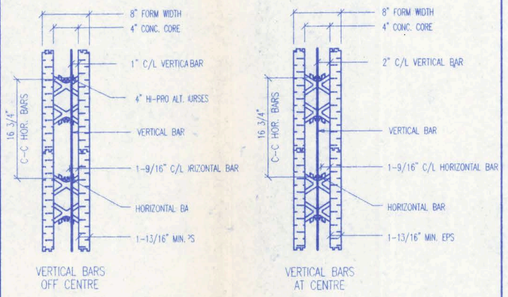
CERTIFICATION: These plans and "Windload Engineering", Sheet S-1, attached, comply with Florida Building Code Residential 2004, Section R301.2.1 to the best of my knowledge.

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.

Location: LEGION ROAD, LAKE CITY Job No.:

05/05/06

FILE: 05-044	SESSIONS RESIDENCE	SHEET: 4 of 6
DATE: 9-21-06		CAD FILE: 05044
DRAWN: T A D	PREPARED BY: TIM DELBENE Drafting + Technical Services	REV:
CHECK: T A D	192 SW Sagewood Gln. Lake City, FL 32024 Phone (386) 755-5891	REV:

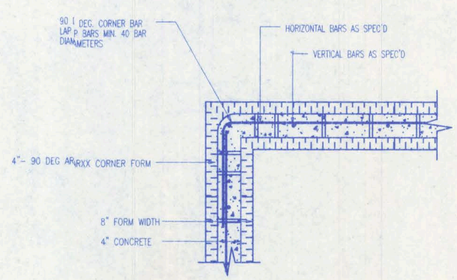


REINFORCING BAR PLACEMENT, 4" ARXX FORMS

NOTE
IT IS THE RESPONSIBILITY OF THE DESIGNER TO PROVIDE THE INFORMATION REQUIRED TO SUIT LOCAL BUILDING CODES AND REGULATIONS.

ARX BUILDING PRODUCTS
840 OSION ST.
COBOURG, ONTARIO K9A-5V2
ph 1-8-263-3210 fax 905-373-8301
www.arxbuild.com

REINFORCING BAR PLACEMENT 4" ARXX FORMS		
Revision No.: 0	Dwg. No. 4D1500	
Revision Date:		
Drawn By: RWW	Date: OCT/00	Scale: 1"=1'-0"



90 DEG. CORNER, 4" FORMS

NOTE
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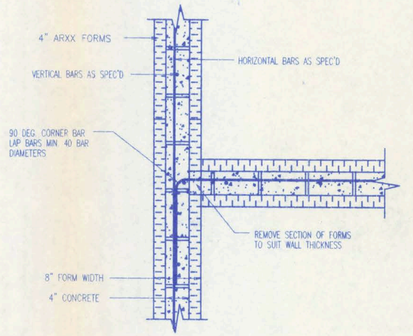
ARXX BUILDING PRODUCTS
840 DIVISION ST.
COBOURG, ONTARIO K9A-5V2
ph 1-800-263-3210 fax 905-373-8301
www.arxxbuild.com

90 DEG. CORNER, 4" FORMS		
Revision No.: 0	Dwg. No. 4D1506	
Revision Date:		
Drawn By: RWW	Date: OCT/00	Scale: 1"=1'-0"



TEE WALL, 4" FORMS

NOTE
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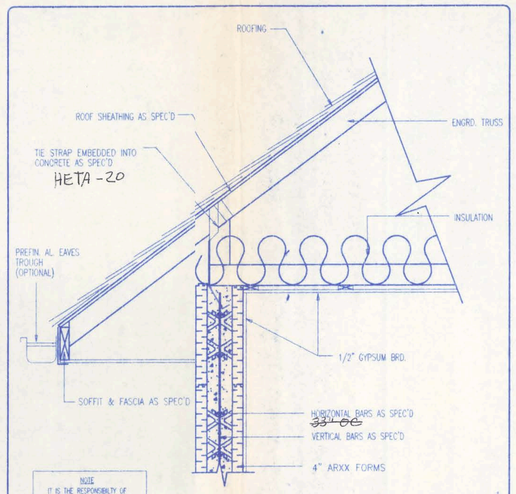
ARXX BUILDING PRODUCTS
840 DIVISION ST.
COBOURG, ONTARIO K9A-5V2
ph 1-800-263-3210 fax 905-373-8301
www.arxxbuild.com

TEE WALL, 4" FORMS		
Revision No.: 0	Dwg. No. 4D1509	
Revision Date:		
Drawn By: RWW	Date: OCT/00	Scale: 1"=1'-0"



NOTE
IT IS THE RESPONSIBILITY OF THE DESIGNER TO PROVIDE THE INFORMATION REQUIRED TO SUIT LOCAL BUILDING CODES AND REGULATIONS.

EAV. DETAIL, 4" FORM, ROOF TRUSSES, HURICANE TIE DOWN

ARX BUILDING PRODUCTS
840 OSION ST.
COBOURG, ONTARIO K9A-5V2
ph 1-8-263-3210 fax 905-373-8301
www.arxbuild.com

EAVE DETAIL, 4" FORM, ROOF TRUSSES, HURRICANE TIE DOWN		
Revision No.: 0	Dwg. No. 4D6104	
Revision Date:		
Drawn By: RWW	Date: OCT/00	Scale: 1"=1'-0"

ARXX WALL SYSTEM NOTES:

1.) EXTERIOR WALLS TO BE ARXX BUILDING PRODUCTS 4 INCH INSULATED CONCRETE FORMS (ICF) WITH 4 INCH CONCRETE CORE AND 2 INCHES OF POLYSTYRENE FORM/INSULATION ON EACH SIDE. ENTIRE WALL SYSTEM WILL BE 8 INCHES THICK.

2.) IN ADDITION TO EXTERIOR WALLS, THE PANTRY/SAFE ROOM AREA WILL HAVE ARXX SYSTEM WALLS.

3.) CONCRETE REINFORCING SPECIFICATIONS WILL BE PROVIDED BY THE STRUCTURAL ENGINEER.

4.) ALL NON-STRUCTURAL INFORMATION AND ADDITIONAL INSTALLATION DATA TO ADHERE TO ARXX BUILDING PRODUCTS SPECIFICATIONS FOR THE MATERIALS USED.

5.) DETAILS SHOWN ON THIS SHEET ARE TAKEN FROM THE ARXX BUILDING PRODUCTS INTERNET WEB SITE AND ARE PROVIDED FOR GENERAL INFORMATION ONLY.

A-5

WINDLOAD ENGINEER: Mark Disosway, 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.

Location: LEGION ROAD, LAKE CITY Job No.:

050CT06

FILE: 05-044	SESSIONS RESIDENCE	SHEET: 5 of 6
DATE: 9-21-06		CAD FILE: 05044
DRAWN: T A D	PREPARED BY: TIM DELBENE Drafting + Technical Services	REV:
CHECK: T A D	192 SW Sagewood Gln. Lake City, FL 32024 Phone (386) 755-5891	REV:

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.

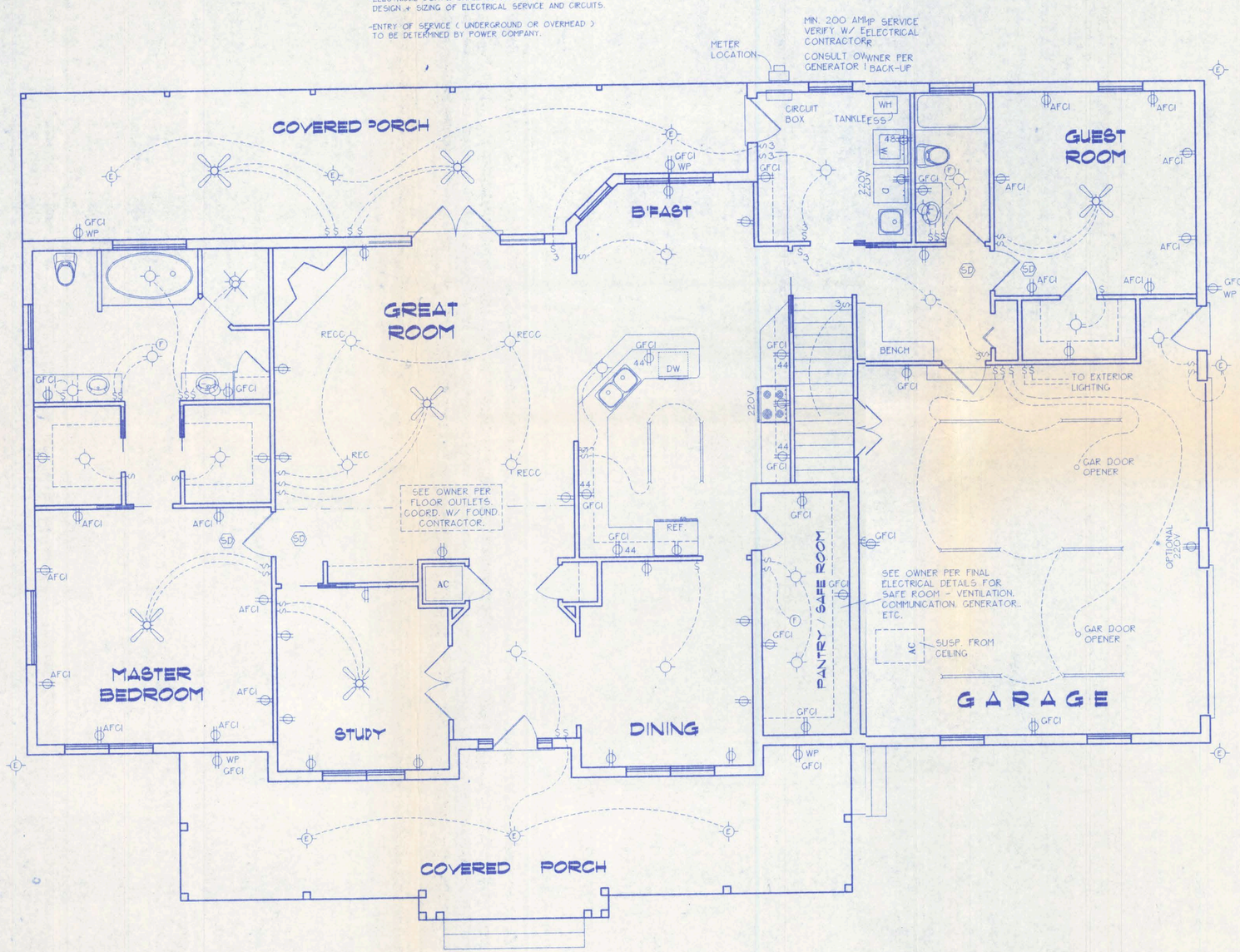
-TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, + IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.

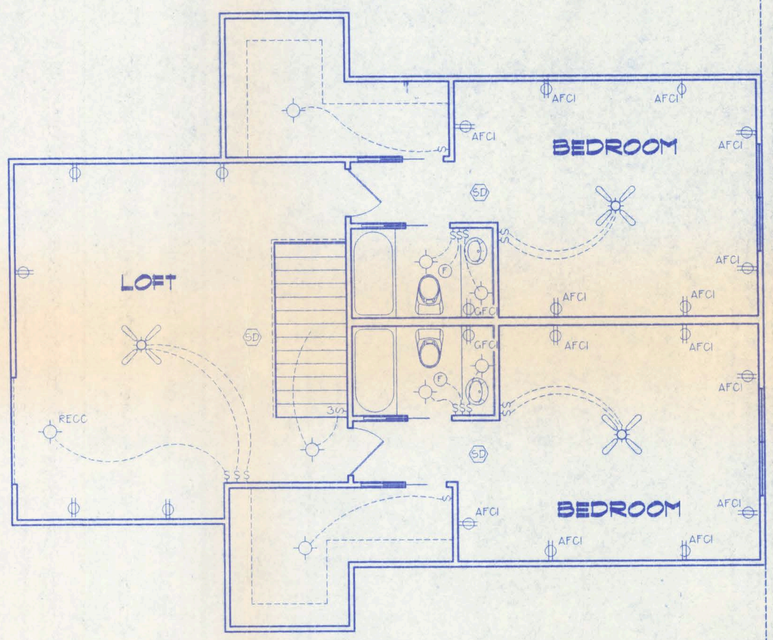
-ELECTRICAL CONTR SHALL BE RESPONSIBLE FOR THE DESIGN + SIZING OF ELECTRICAL SERVICE AND CIRCUITS.

-ENTRY OF SERVICE (UNDERGROUND OR OVERHEAD) TO BE DETERMINED BY POWER COMPANY.

ELECTRICAL SYMBOL LEGEND

———	= FLOURESCENT LIGHTING FIXTURE.	AFCI	= ARC FAULT CIRC. OUTLET
	= CEILING LIGHT FIXTURE		= 110 V. SINGLE RECEPTACLE OUTLET.
(E)	= EXTERIOR LIGHTING FIXTURE	220V	= 220 VOLT OUTLET (4 WIRE)
S	= LIGHT SWITCH.		= FAN LOCATION (CEILING)
S3	= THREE-WAY SWITCH.	(F)	= FAN LOCATION (EXHAUST)
	= 110 V. DUPLEX OUTLET.	(SD)	= SMOKE DETECTOR
42	= SPECIAL HEIGHT 110 V. DUPLEX OUTLET		
GFCI	= GROUND FAULT CIRC. OUTLET		





ELECTRICAL PLAN

NOT TO SCALE

LEGION ROAD, LAKE CITY

A-6

FILE: 05-044	SESSIONS RESIDENCE	SHEET: 6 of 6
DATE: 9-21-06		CAD FILE: 05044
DRAWN: T A D	PREPARED BY: TIM DELBENE Drafting + Technical Services 192 SW Sagewood Gln., Lake City, FL 32024 Phone (386) 755-5891	REV:
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