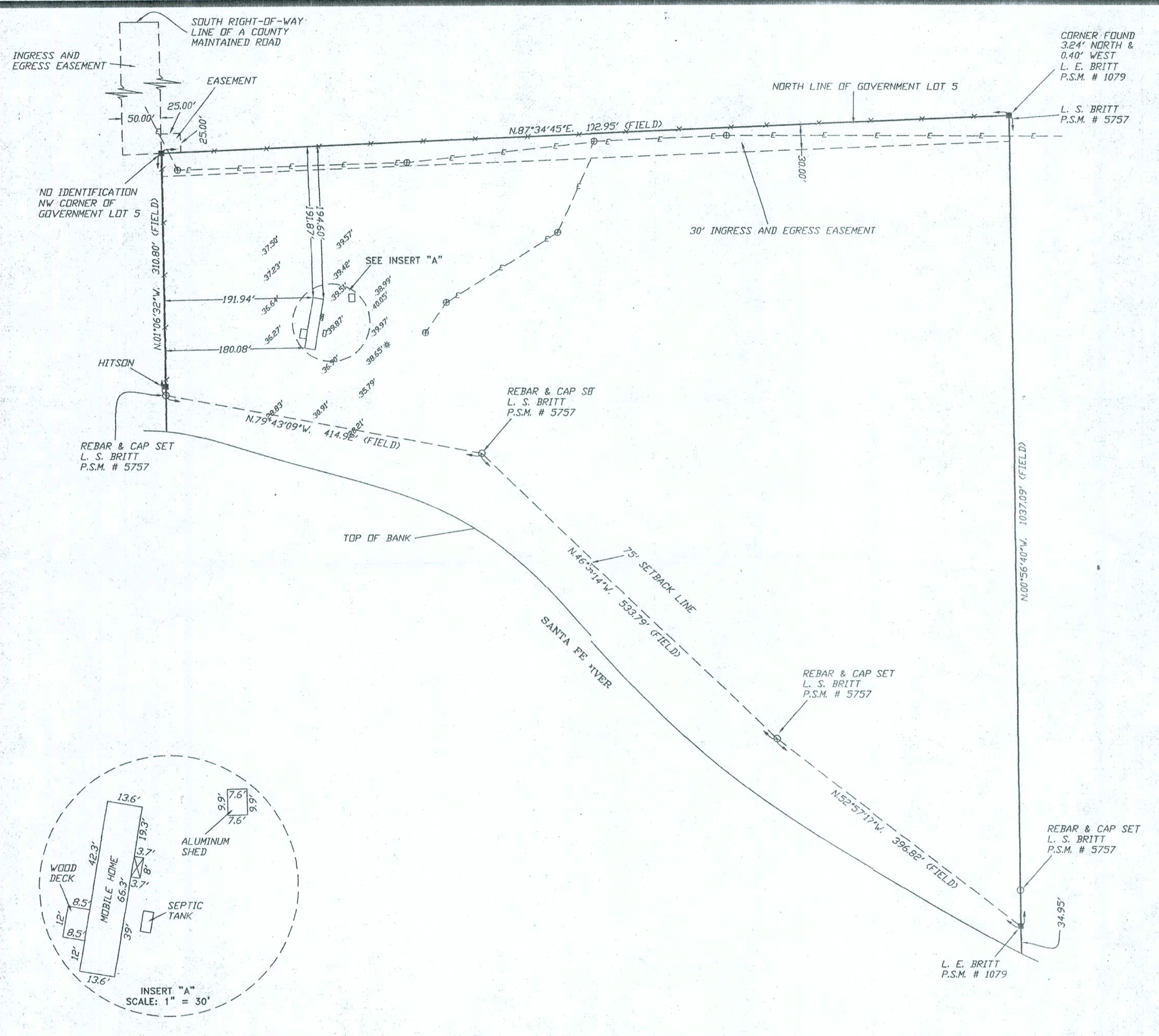


A BOUNDARY SURVEY IN SECTION 36, TOWNSHIP 7 SOUTH,
RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.



SCALE: 1" = 100'

SYMBOL LEGEND:

- 4"x4" CONCRETE MONUMENT FOUND
- 4"x4" CONCRETE MONUMENT SET
- IRON PIPE FOUND
- IRON PIN AND CAP SET
- ⊕ POWER POLE
- ▲ WATER METER
- ⊔ CENTERLINE
- * WELL
- ⊙ SATELLITE DISH
- ⊙ TELEPHONE BOX
- E--- ELECTRIC LINES
- X--- WIRE FENCE
- CHAIN LINK FENCE
- WOODEN FENCE

DESCRIPTION:
A PARCEL OF LAND LYING IN GOVERNMENT LOT 5 OF SECTION 36, TOWNSHIP 7 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

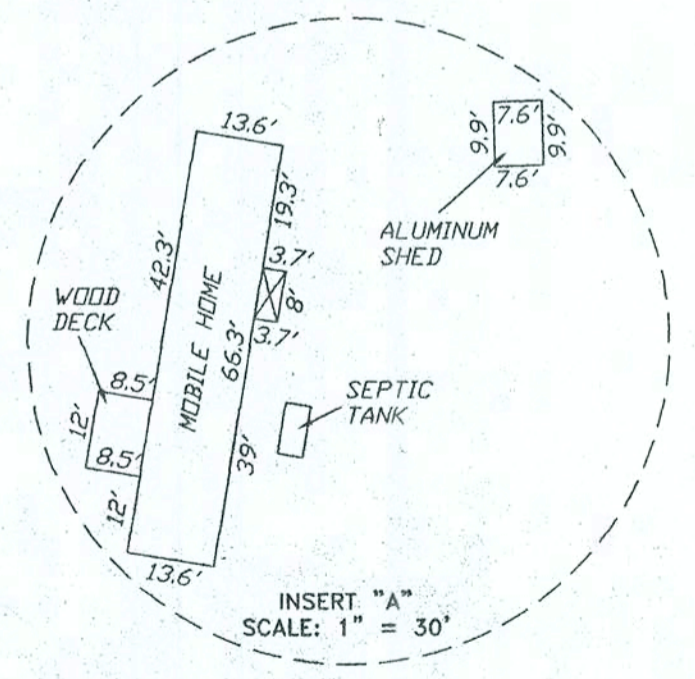
GOVERNMENT LOT 5, LESS AND EXCEPT THE EAST 1516.84 FEET THEREOF.

SUBJECT TO THE NORTH 30 FEET THEREOF FOR INGRESS AND EGRESS EASEMENT RIGHT-OF-WAY.

TOGETHER WITH A PERPETUAL NON-EXCLUSIVE EASEMENT AND RIGHT-OF-WAY FOR INGRESS AND EGRESS MORE PARTICULARLY DESCRIBED AS FOLLOWS: THE EAST 50 FEET OF LOT 1, LYING SOUTH OF A COUNTY MAINTAINED ROAD, WHICH RUNS FROM STATE ROAD NO. 138 TO THE SOUTH BOUNDARY OF SAID LOT 1 IN SECTION 35, TOWNSHIP 7 SOUTH, RANGE 16 EAST, AND THE WEST 25 FEET OF THE SOUTH 25 FEET OF THE NW 1/4 OF SECTION 36, TOWNSHIP 7 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.

TOGETHER WITH AND SUBJECT TO AN INGRESS AND EGRESS EASEMENT OVER AND ACROSS THE NORTH 30 FEET OF THE WEST 2184.63 FEET OF SAID GOVERNMENT LOT 5.

- SURVEYOR'S NOTES:**
1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF A PREVIOUS SURVEY BY THIS OFFICE, DATED 04/27/02.
 2. BEARINGS ARE BASED ON SAID PREVIOUS SURVEY.
 3. THIS PARCEL IS IN ZONE 'AE' AND IS SUBJECT TO FLOODING. A BASE FLOOD ELEVATION IS ESTABLISHED TO BE 39.0 FEET AS PER FLOOD INSURANCE RATE MAP, DATED 6 JAN. 1988 COMMUNITY PANEL NO. 120070 0270 B. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
 4. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
 5. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
 6. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.



CERTIFIED TO:
DOUGLAS K. JIPSON & MERRILLEEMALWITZ-JIPSON
BANK OF AMERICA, N.A.
TREND TITLE SERVICES, LLC
ALLIANCE TITLE OF AMERICA, INC.

SURVEYOR'S CERTIFICATION:

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

FIELD SURVEY DATE: 2/02/02 DRAWING DATE: 12/10/02

L. SCOTT BRITT, P.S.M.
CERTIFICATION # 5757

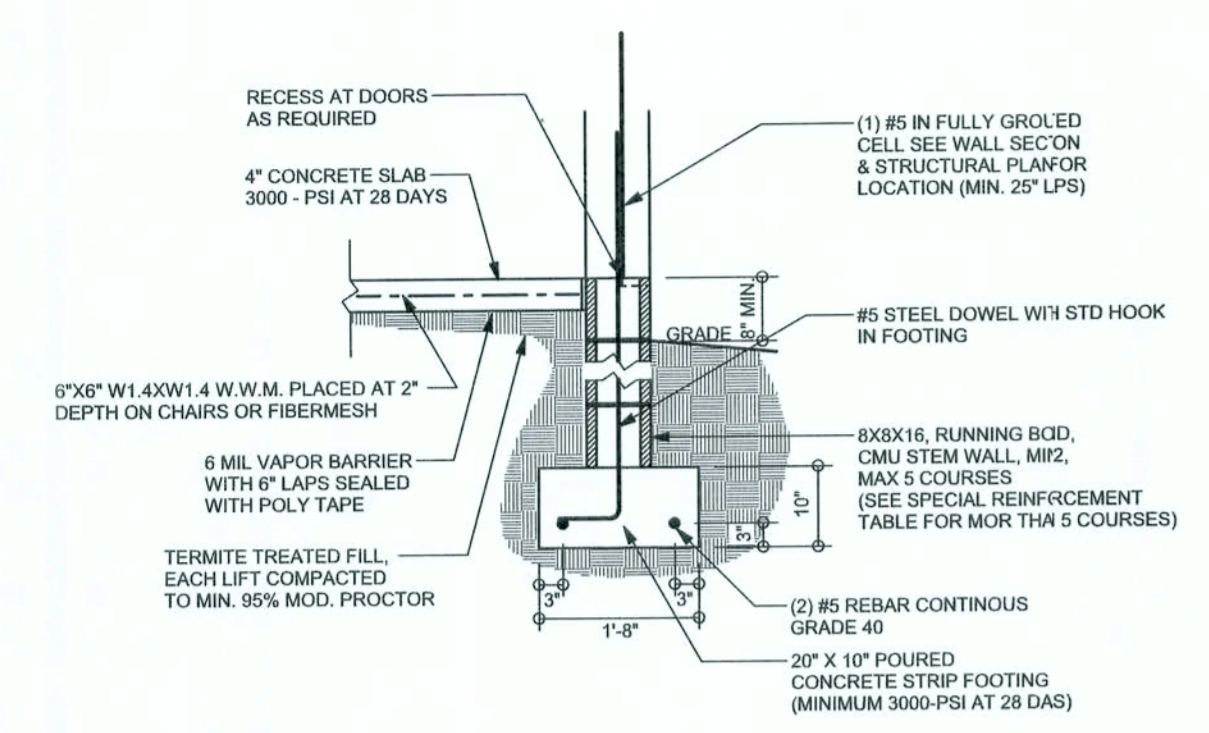
NOTE: UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.

BRITT SURVEYING
LAND SURVEYORS AND MAPPERS

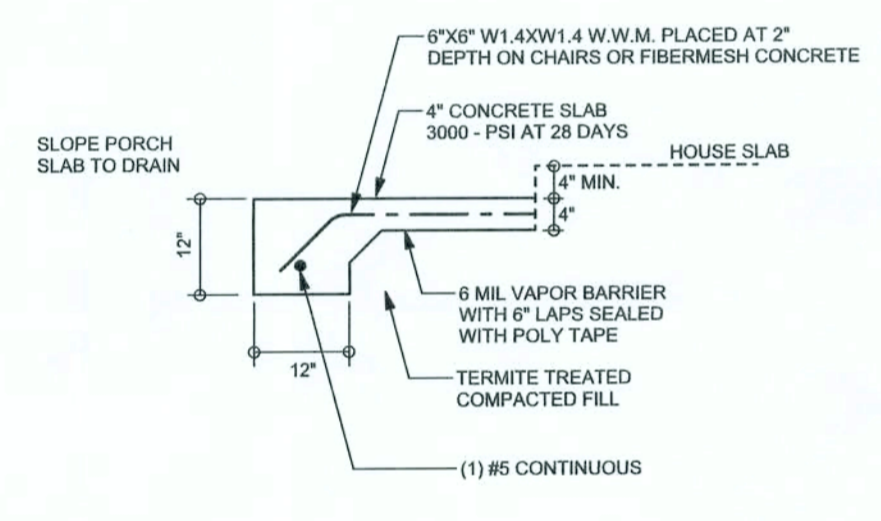
830 WEST DUVAL STREET
LAKE CITY, FLORIDA 32055

TELEPHONE: (386) 752-7163 FAX: (386) 752-5573 WORK ORDER # L-13224

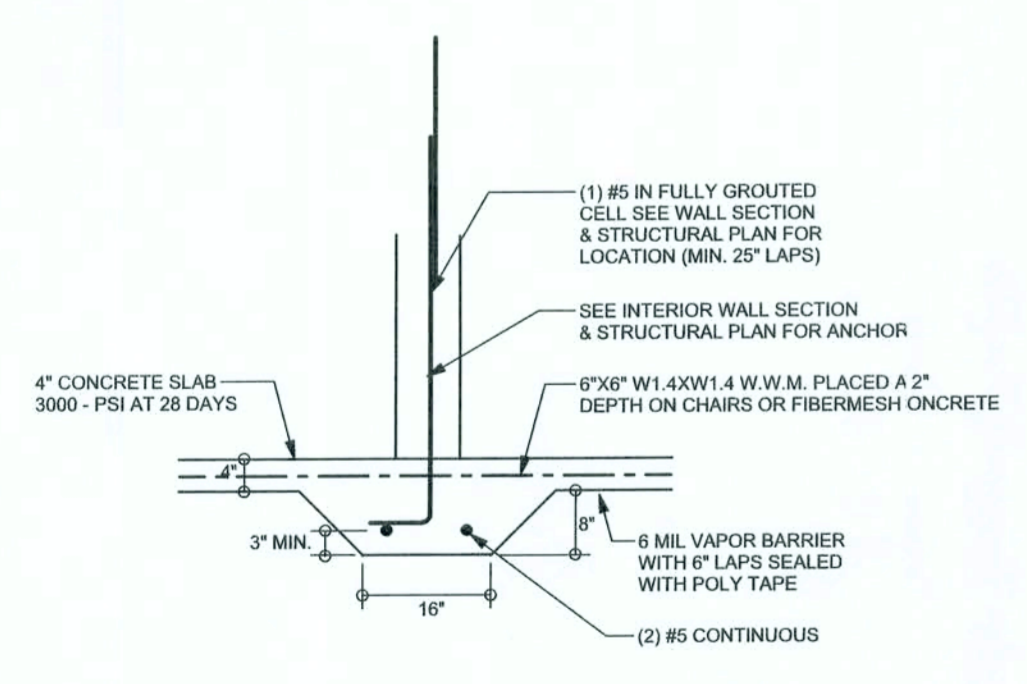
REVISIONS	



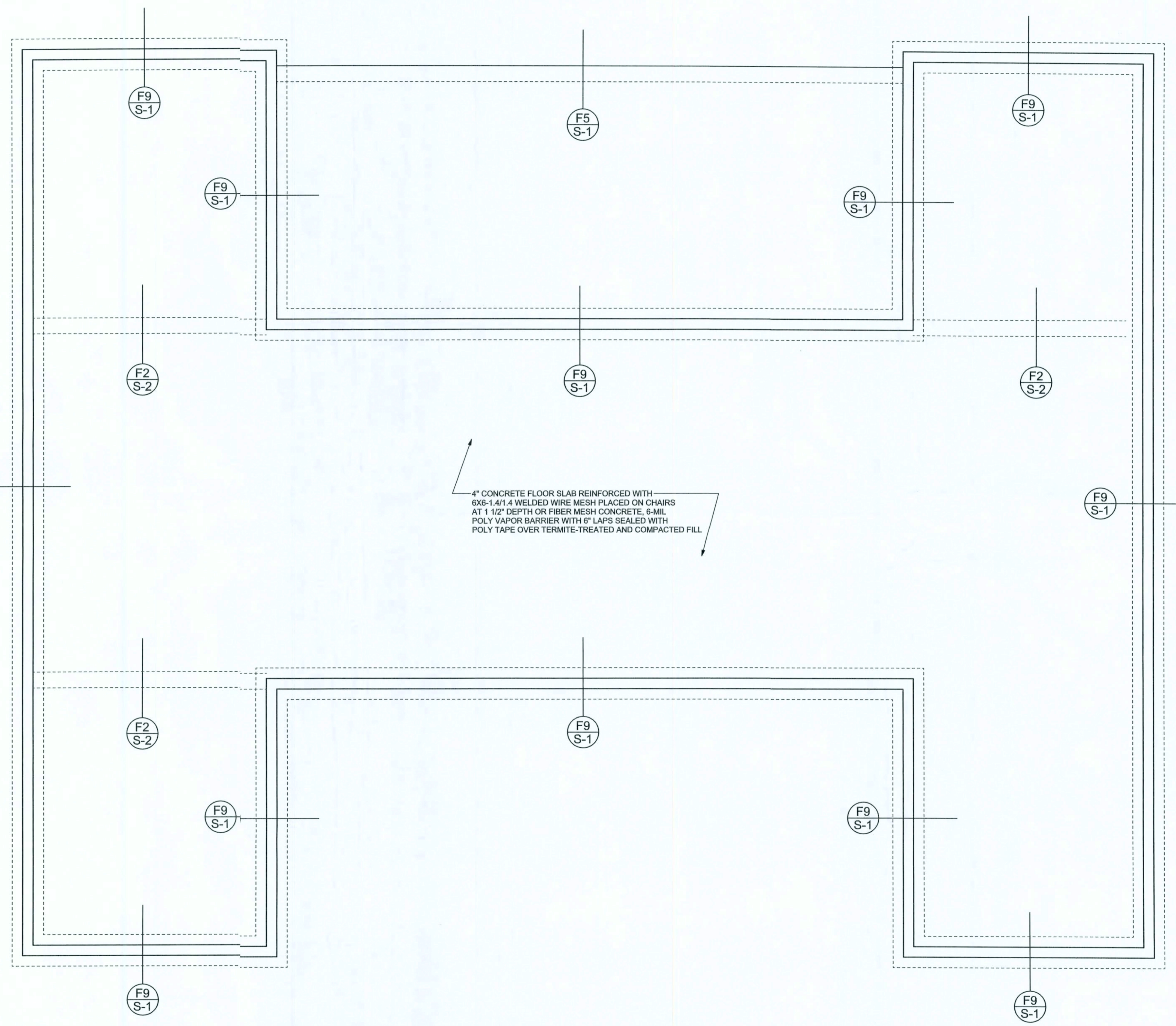
F17 STEM WALL FOOTING
S-2 SCALE: 1/2" = 1'-0"



F5 PORCH FOOTING
S-2 SCALE: 1/2" = 1'-0"



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



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

LOAD ENGINEER: Mark Disoway, 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 Disoway, P.E. for resolution. Do not proceed without clarification.

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Mark Disoway, P.E. hereby expressly reserves all 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 Disoway.

CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable provisions 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. 53915
Mark Disoway
27 Jul 06
SEAL

Douglas & Merrillee
Jipson Residence

ADDRESS:
460 SW Riverland Ct.
Fort White, FL 32038

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

PRINTED DATE:
July 27, 2006

DRAWN BY: Fro Vakil
STRUCTURAL BY: Ben Sparks

FINALS DATE:
27 / Jul / 06

JOB NUMBER:
606201

DRAWING NUMBER
S-2
OF 3 SHEETS

460 S.W. RIVERLAND Ct., FORT WHITE, FL 32038

REVISED
06-14-06

SECURITY NOTES

- ALL EXTERIOR OPENINGS SHALL BE CONSIDERED SECURITY OPENINGS AND COMPLY WITH SEC. 91.6711 AS APPLICABLE
- WOOD FLUSH-TYPE DOORS SHALL BE 1 3/8" THICK MINIMUM WITH SOLID CORE CONSTRUCTION. DOOR STOPS OF IN SWINGING DOORS SHALL BE OF ONE-PIECE CONSTRUCTION WITH THE JAMB OR JOINED BY RABBET TO THE JAMB
- GLAZED OPENINGS WITHIN 40" OF DOOR LOCKS WHEN THE DOOR IS IN THE CLOSED POSITION SHALL BE FULLY TEMPERED
- HINGES ACCESSIBLE FROM THE OUTSIDE SHALL HAVE A NON-REMOVABLE HINGE PINS, AND 1/4" DIA STEEL JAMB STUDS PER SEC 91.6711(E) AND STRIKE PLATES WITH SCREWS NO LESS THAN 2-1/2" LONG PER SEC 91.6711 (E,G)
- CYLINDER GUARDS SHALL BE INSTALLED ON ALL CYLINDER LOCKS PER SEC 91.677 (F)
- SLIDING DOORS AND WINDOWS SHALL BE PROVIDED WITH A DEVICE IN THE UPPER CHANNEL OF THE MOVING PANEL TO PROHIBIT RAISING AND REMOVING OF THE MOVING PANEL IN THE CLOSED OR PARTIALLY OPEN POSITION. 91.6712 & 6722 (A)
- DEADBOLTS SHALL HAVE HARDENED INSERTS: DEADLOCKING LATCH WITH KEY-OPERATED LOCKS ON EXTERIOR; LOCKS OPENABLE WITHOUT KEY, SPECIAL KNOWLEDGE OR SPECIAL EFFORT ON INTERIOR. DEADBOLTS SHALL HAVE A MIN. THROW OF 1" AND AN EMBEDMENT OF NOT LESS THAN 5/8", AND A HOOK-SHAPED OR EXPANDING-LUG DEADBOLT SHALL HAVE A MINIMUM THROW OF 3/4". 91.6711.

WATER HEATER NOTES

- WATER HEATERS SHALL BE STRAPPED AND BRACED IN ACCORDANCE WITH SEC 1310 OF THE UNIFORM PLUMBING CODE, SEC 91.1215, AND AB 1890 TO RESIST HORIZONTAL DISPLACEMENT DUE TO EARTHQUAKE MOTION.
- WATER CONSERVATION NOTES
 - PROVIDE LOW CONSUMPTION WATER CLOSETS FOR ALL NEW CONSTRUCTION
 - PROVIDE LOW CONSUMPTION SHOWERS AND LAVATORY FAUCETS FOR NEW CONSTRUCTION

GLAZING NOTES:

GLASS IN WINDOWS AND DOORS SHALL WITHSTAND THE LOADS FOR CLADDING AS SET FORTH IN CHAPTER 16, DIVISION III AND THE AREA OF INDIVIDUAL LIGHTS SHALL NOT BE MORE THAN SET FORTH IN GRAPH 24-1. SECTION 2403

AS PER SECTION 2406, SAFETY GLAZING (TEMPERED GLASS) SHALL BE REQUIRED IN THE FOLLOWING:

A. GLAZING IN DOORS AND ENCLOSURES FOR HOT TUBS, BATHTUBS AND SHOWERS. ALSO GLAZING IN ANY PORTION OF A BUILDING WALL ENCLOSING THESE COMPARTMENTS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60" ABOVE A STANDING SURFACE DRAIN INLET.

B. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL WHERE THE EXPOSED BOTTOM EDGE IS LESS THAN 18" ABOVE THE FLOOR AND THE TOP EDGE IS GREATER THAN 36" ABOVE THE FLOOR AND ONE OR MORE WALKING SURFACES ARE WITHIN 36" HORIZONTALLY OF THE PLANE OF THE GLAZING.

C. GLAZING IN WALLS ENCLOSING STAIRWAY LANDINGS OR WITHIN 5' OF THE BOTTOM AND TOP OF STAIRWAYS WHERE THE BOTTOM EDGE OF THE GLASSES IS LESS THAN 60" ABOVE THE WALKING SURFACE.

OWNER:

Douglas & Merrilee Jipson

460 S. W. RIVERLAND Ct.
FORT WHITE, FL 32038
386-545-4446

CONSULTANTS

DESIGNER:

Fro Vakili
1116-B 14th Street
Santa Monica, CA 90403
310-394-8582

Fro Vakili

SOILS ENGINEER:

STRUCTURAL ENGINEER:

Mark Disosway, PE
PDB 868, Lake City, FL 32056
Office Phone: 386-754-5419

Mark Disosway

SURVEYER:

BRITT SURVEYING.
830 WEST DUVAL STREET
LAKE CITY, FL 32055
386-752-7163

Scott Britt

ENERGY CALCULATIONS:

SHEET INDEX

ARCHITECTURAL

TITLE SHEET	T1
SITE PLANS	A1
FLOOR PLAN	A2
SECTIONS	A3
ELEVATIONS N & S	A4
ELEVATIONS E & W	A5
ROOF PLAN	A6
SURVEY	C1

STRUCTURAL

PROJECT DATA

LEGAL DESCRIPTION:

LOT 5, SECTION 36, TOWNSHIP 7 SOUTH, RANGE 16 EAST
COLUMBIA COUNTY, FLORIDA

BUILDING AREA CALCULATION:

RAISED PAD AREA (Incl. House, Porch & Deck)	3,560 SQ. FT.
LIVABLE AREA	2,780 SQ. FT.
SCREENED PORCH AREA	640 SQ. FT.
DECKS	140 SQ. FT.
NUMBER OF STORY:	1 (ONE)



DOOR AND FRAME SCHEDULE						
MARK	DOOR				GLAZING	NOTES
	SIZE		Type	MATL		
	WD	HGT				
000	?	?	?	?		
001	PR 4'-0"	7'-0"	---	---	FROSTED GLASS	Wood french doors
004	3'-0"	7'-0"	---	---	NONE	Solid core wood
006	3'-0"	7'-0"	---	---	NONE	Solid core wood
008	4 @ 2'-0"	7'-0"	---	---	TEMP. GLASS	Bi-fold
009	2'-8"	7'-0"	---	---	NONE	Solid core wood
010	PR 7'-9"	7'-0"	---	---	TEMP. GLASS	Multipanel alum slider
011	PR 7'-9"	7'-0"	---	---	TEMP. GLASS	Multipanel alum slider
012	2'-10"	7'-0"	---	---	TEMP. GLASS	Pocket
013	3'-0"	7'-0"	---	---	NONE	Solid core wood
014	4 @ 9"	6'-8"	---	---	NONE	Bi-fold closet wood
015	2'-8"	7'-0"	---	---	NONE	Solid core wood
016	2'-4"	7'-0"	---	---	TEMP. FROSTED GLASS	Wood french door
017	2'-8"	7'-0"	---	---	TEMP. GLASS	Wood french door
018	2'-4"	7'-0"	---	---	NONE	Solid core wood
019	PR 4'-0"	7'-0"	---	---	TEMP. GLASS	Alum. Frame slider
021	2'-8"	6'-8"	---	---	NONE	Solid core pocket
022	PR 2'-10"	6'-8"	---	---	TEMP. GLASS	Wood french doors

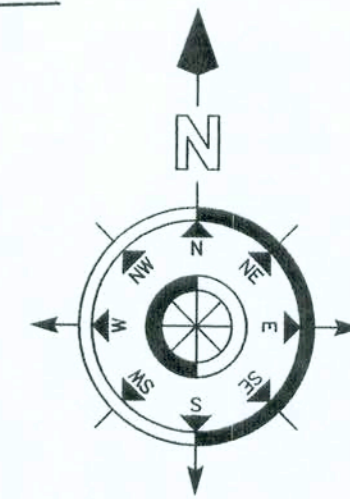
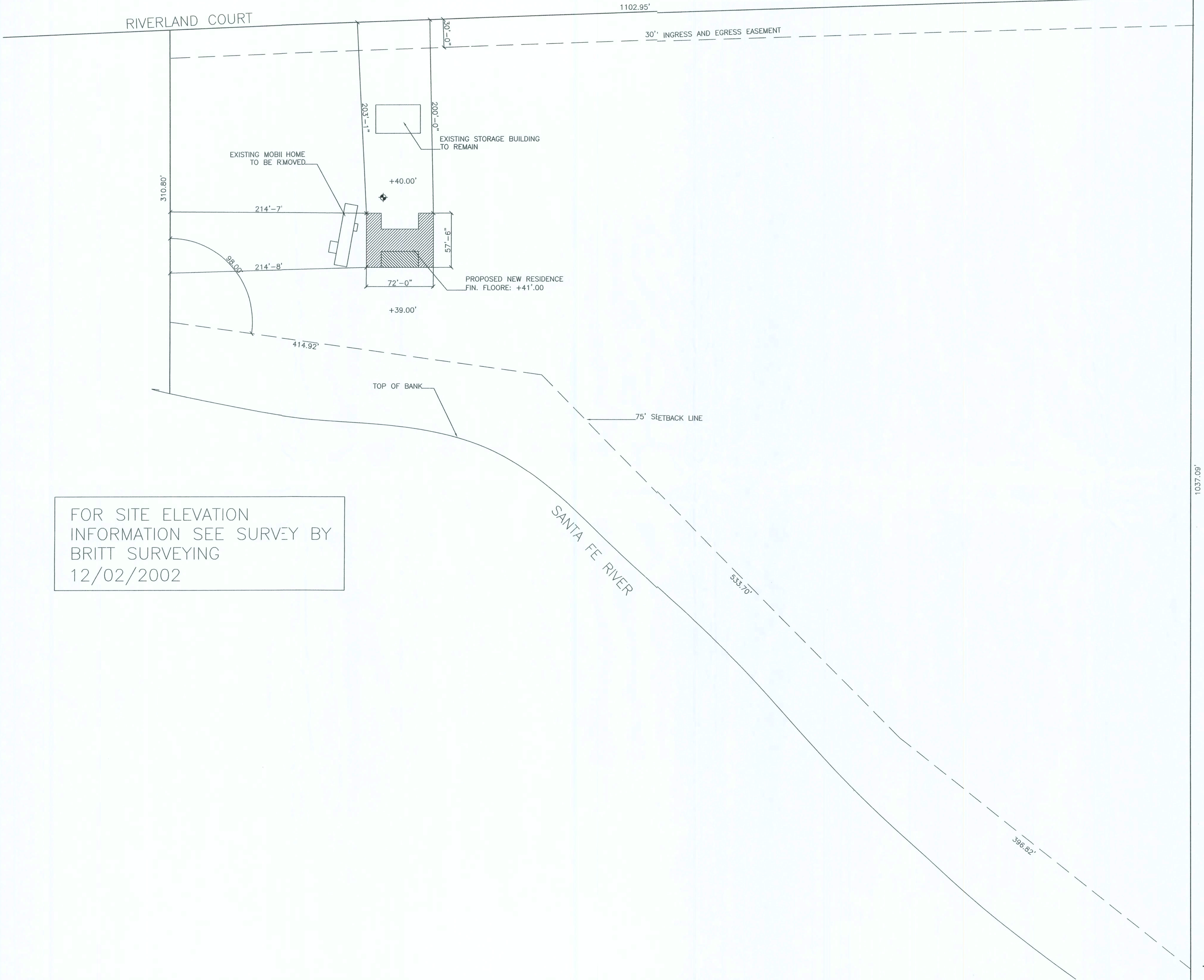
WINDOW SCHEDULE					
MARK	SIZE		TYPE	NOTES	
	WIDTH	HEIGHT			
1	8'-0"	2'-0"	AWNING	---	
2	8'-0"	2'-0"	AWNING	---	
3	8'-0"	2'-0"	AWNING	---	
4	8'-0"	4'-0"	SLIDER	---	
5	8'-0"	4'-0"	SLIDER	---	
6	8'-0"	4'-0"	SLIDER	---	
7	8'-0"	4'-0"	SLIDER	---	
8	8'-0"	4'-0"	SLIDER	---	
9	?	?	FIXED	TRANGLE	
10	?	?	FIXED	TRANGLE	
11	8'-0"	4'-0"	SLIDER	---	
12	8'-0"	4'-0"	SLIDER	---	
13	3'-0"	3'-0"	SLIDER	---	
14	3'-0"	3'-0"	SLIDER	---	
15	8'-0"	4'-0"	SLIDER	---	
16	1'-6"	1'-6"	AWNING	FROSTED	

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Fort White, FL 32038

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TITLE SHEET

T-1



FOR SITE ELEVATION
INFORMATION SEE SURVEY BY
BRITT SURVEYING
12/02/2002

REVISED
06-14-06

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460 SW Riverland Ct.
Fort White, FL 32038

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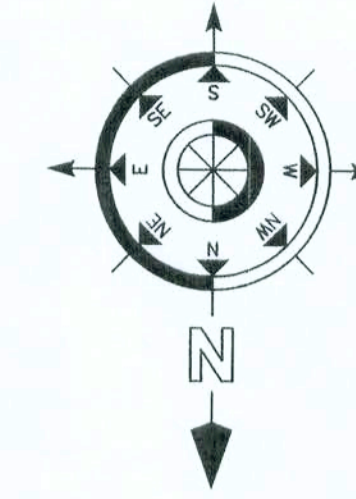
SITE PLANS

A - 1

SITE PLAN
1" = 50'

NOTE:
ALL PERIMETER WALLS ARE DRAWN AS 8" CMU.
ADJUST DIMENSIONS AS NEEDED.

WING WALLS AT E. & W. OF PORCH TO BE 12".



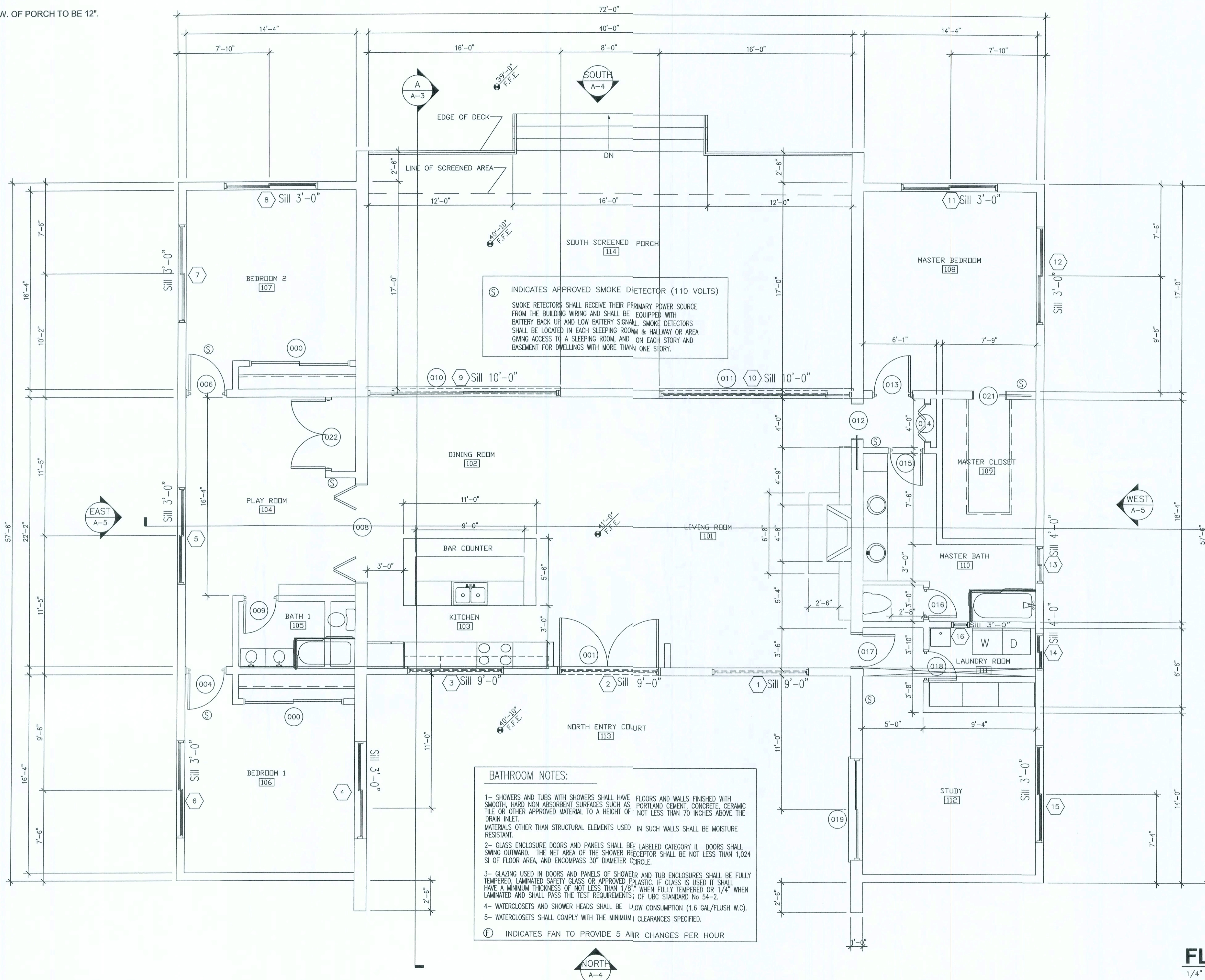
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FLOOR
PLANS

A - 2

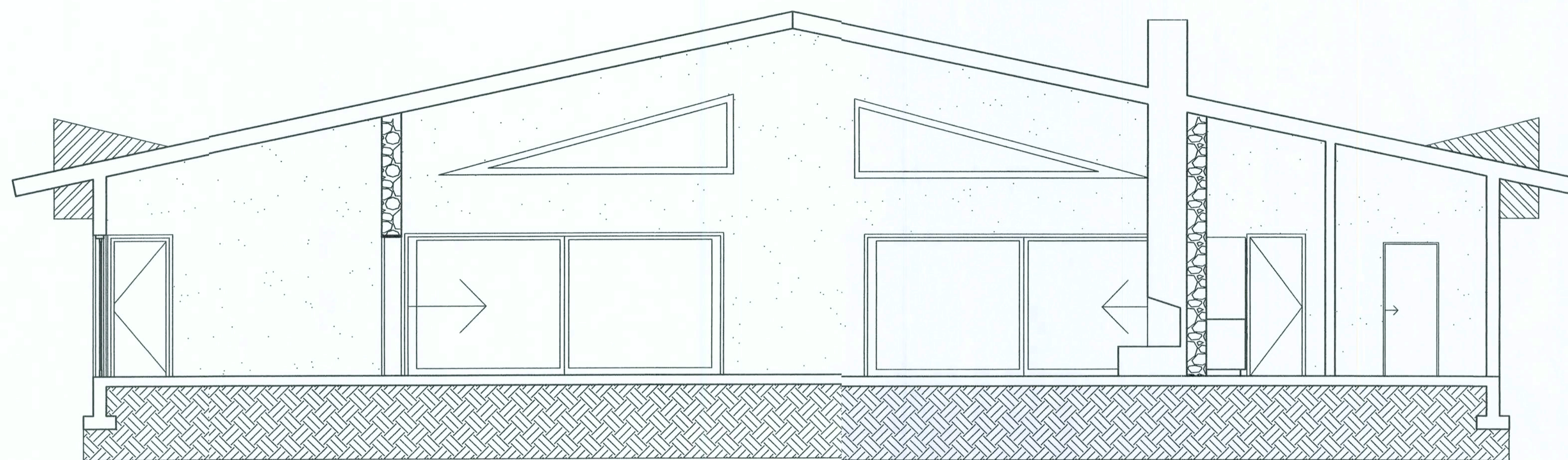


BATHROOM NOTES:

- SHOWERS AND TUBS WITH SHOWERS SHALL HAVE FLOORS AND WALLS FINISHED WITH SMOOTH, HARD NON ABSORBENT SURFACES SUCH AS PORTLAND CEMENT, CONCRETE, CERAMIC TILE OR OTHER APPROVED MATERIAL TO A HEIGHT OF NOT LESS THAN 70 INCHES ABOVE THE DRAIN INLET.
- GLASS ENCLOSURE DOORS AND PANELS SHALL BE LABELED CATEGORY II. DOORS SHALL SWING OUTWARD. THE NET AREA OF THE SHOWER RECEPTOR SHALL BE NOT LESS THAN 1,024 SQ FT OF FLOOR AREA, AND ENCOMPASS 30" DIAMETER CIRCLE.
- GLAZING USED IN DOORS AND PANELS OF SHOWER AND TUB ENCLOSURES SHALL BE FULLY TEMPERED, LAMINATED SAFETY GLASS OR APPROVED PLASTIC. IF GLASS IS USED IT SHALL HAVE A MINIMUM THICKNESS OF NOT LESS THAN 1/8" WHEN FULLY TEMPERED OR 1/4" WHEN LAMINATED AND SHALL PASS THE TEST REQUIREMENTS OF UBC STANDARD No 54-2.
- WATERCLOSETS AND SHOWER HEADS SHALL BE LOW CONSUMPTION (1.6 GAL/FLUSH W.C.).
- WATERCLOSETS SHALL COMPLY WITH THE MINIMUM CLEARANCES SPECIFIED.

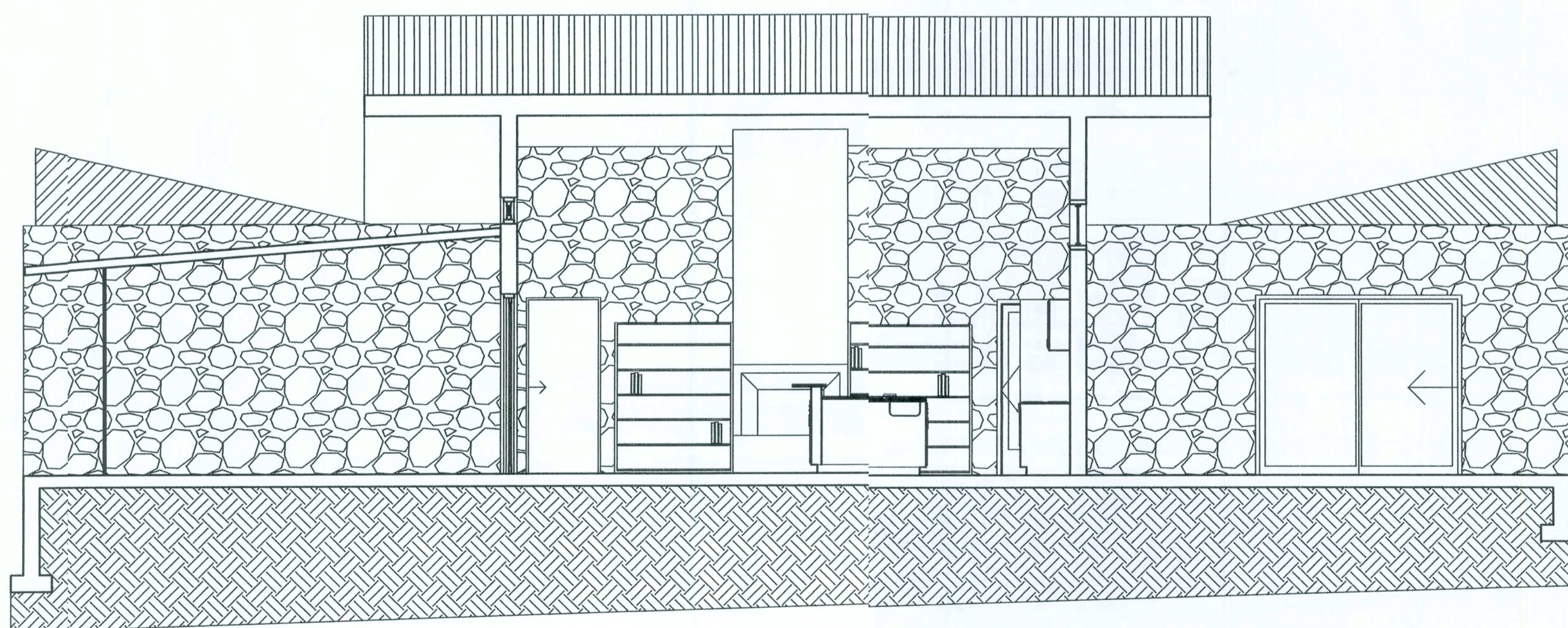
FLOOR PLAN
1/4" = 1'-0"

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06-14-06



SECTION A-A

1/4" = 1'-0"



SECTION B-B

1/4" = 1'-0"

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Fort White, FL 32038

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1116-B 14th ST. SANTA MONICA, CA 90403

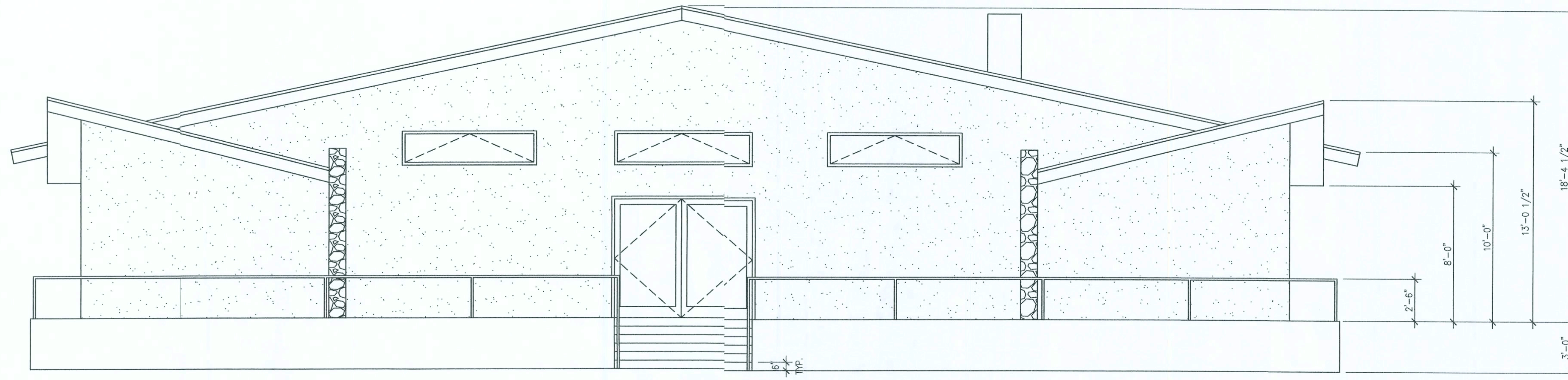
Tel: 310-394-8582

E-Mail: FroV@CompuServe.com

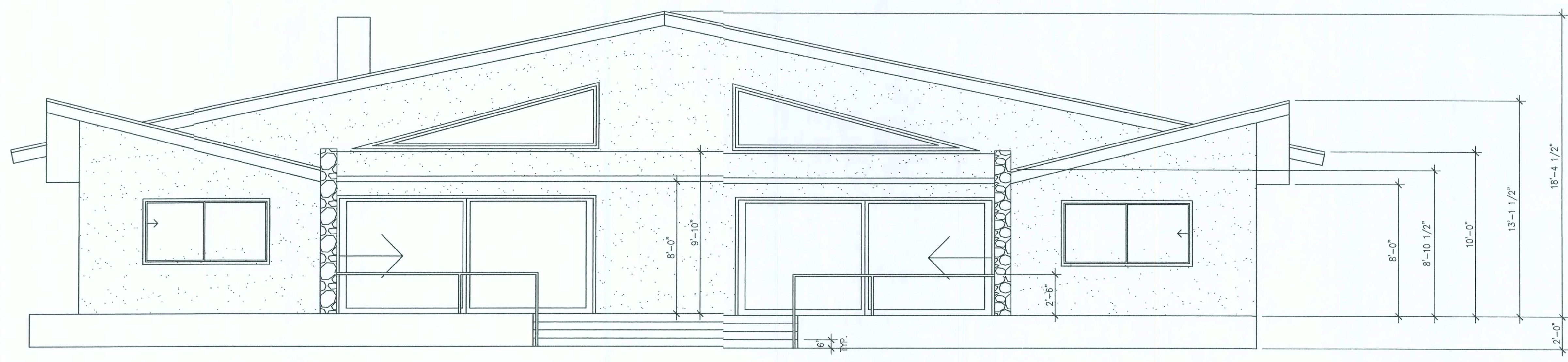
SECTIONS

A - 3

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06-14-08



NORTH ELEVATION
1/4" = 1'-0"



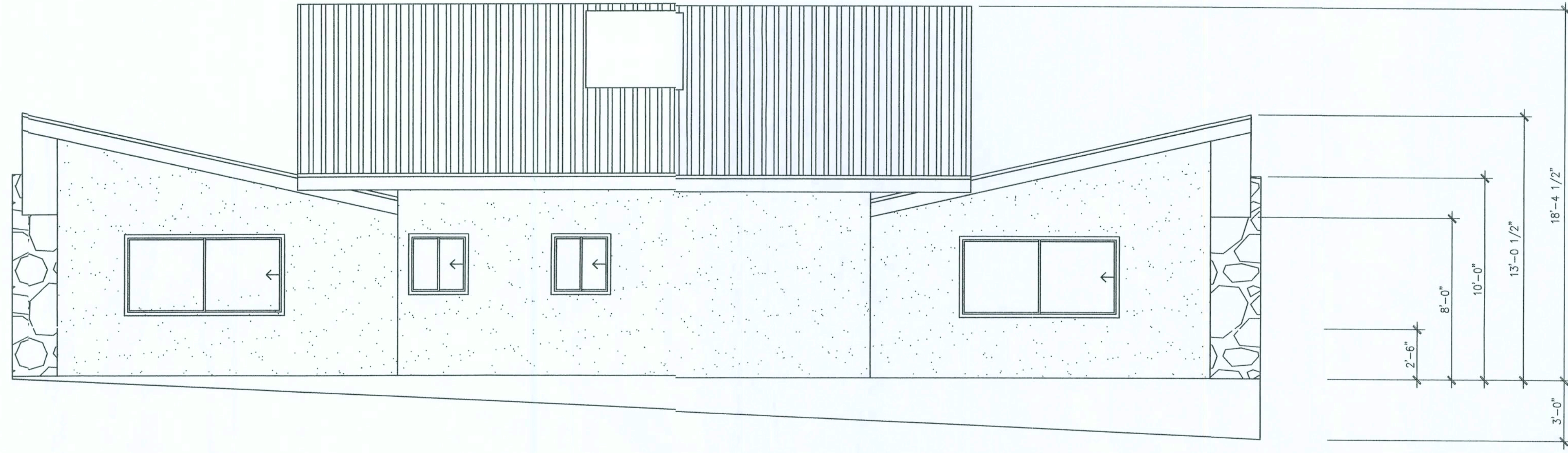
SOUTH ELEVATION
1/4" = 1'-0"

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Fort White, FL 32038

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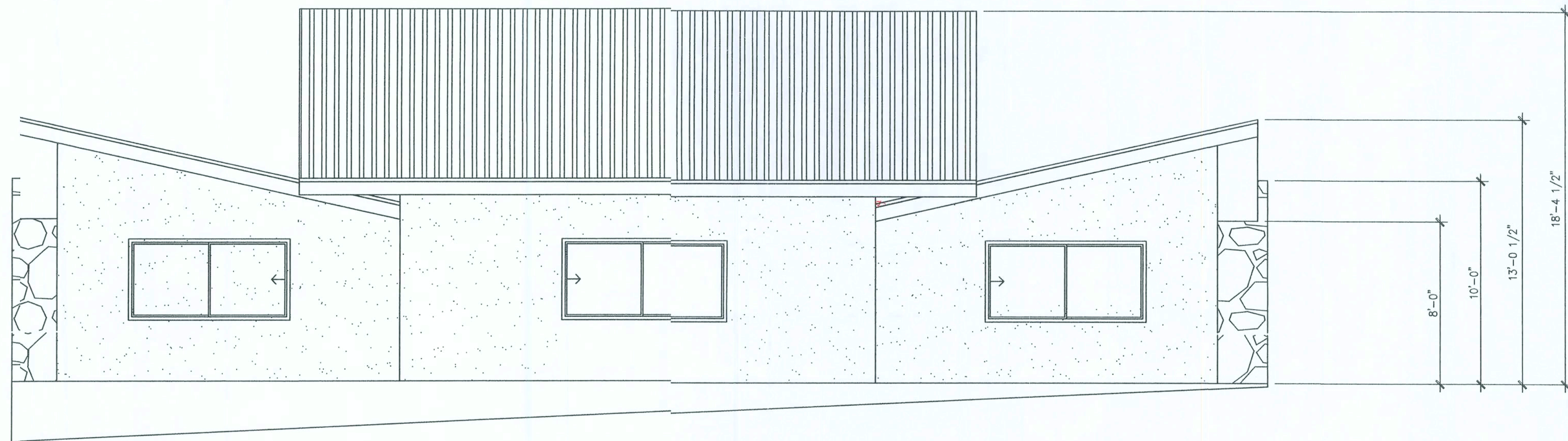
**ELEVATIONS
N & S**

A - 4



WEST ELEVATION

1/4" = 1'-0"



EAST ELEVATION

1/4" = 1'-0"

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06-14-06

Jipson Residence
460 SW Riverland Ct.
Fort White, FL 32038

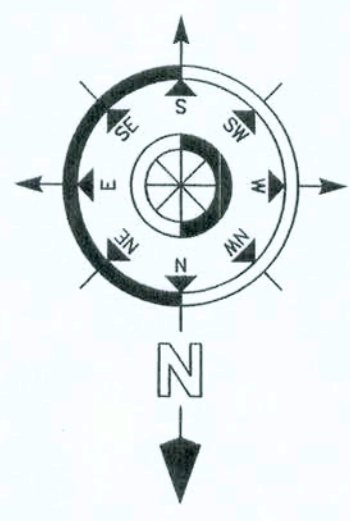
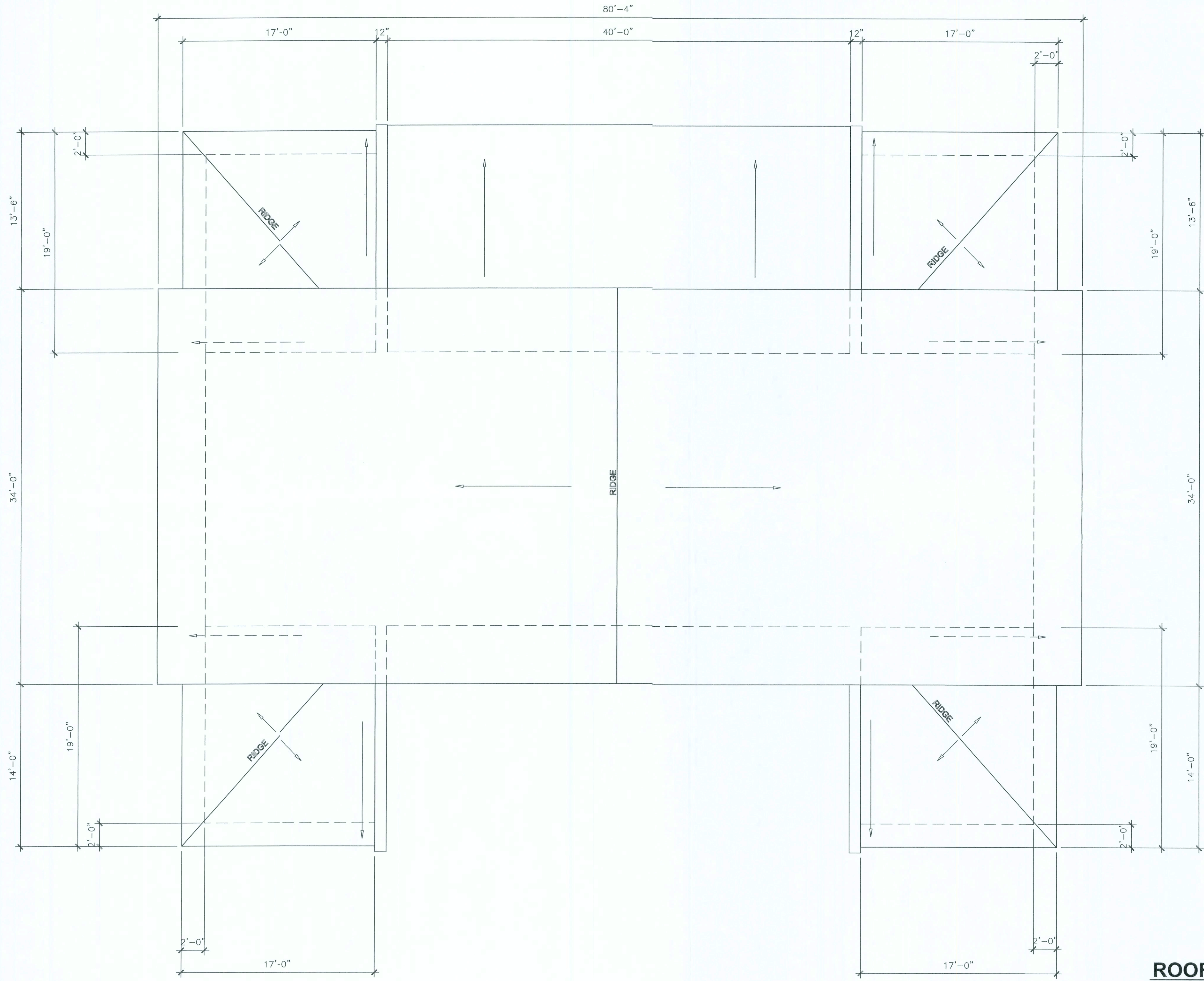
FRO YAKILI DESIGN

1116-B 14th ST. SANTA MONICA, CA 90403
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ELEVATIONS
E & W

A - 5



REVISED
06-14-06

Jipson Residence
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Fort White, FL 32038

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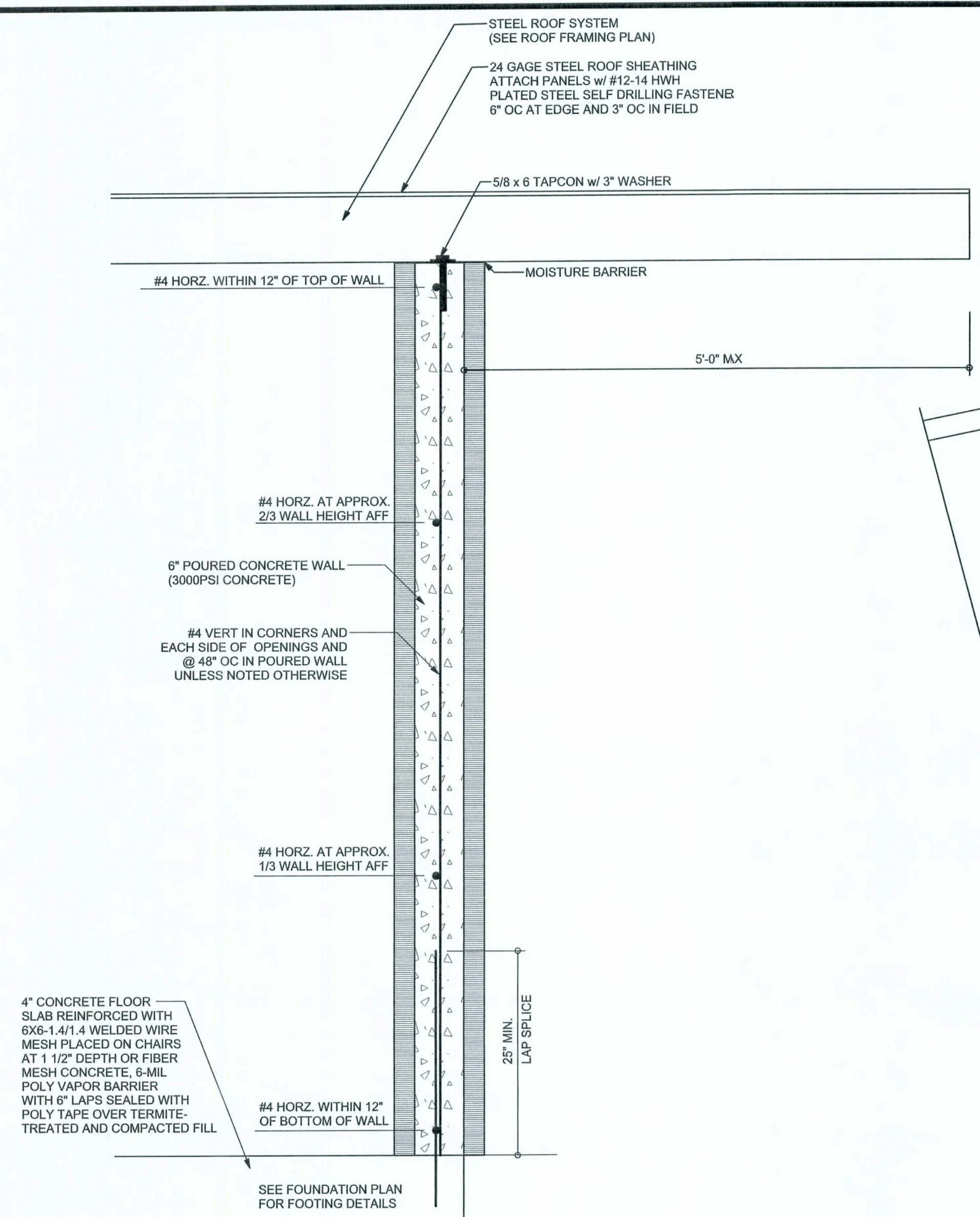
ROOF PLAN

A - 6

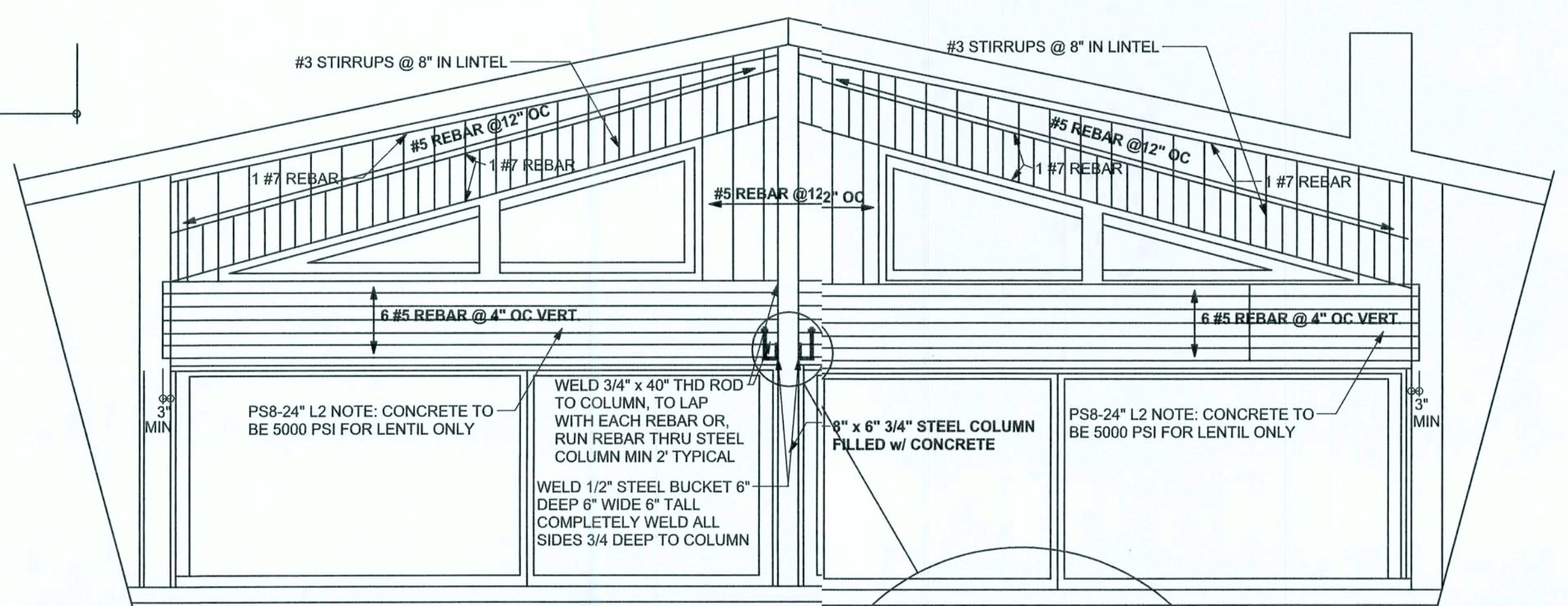
ROOF PLAN
1/4" = 1'-0"

NO.	DESCRIPTION	DATE

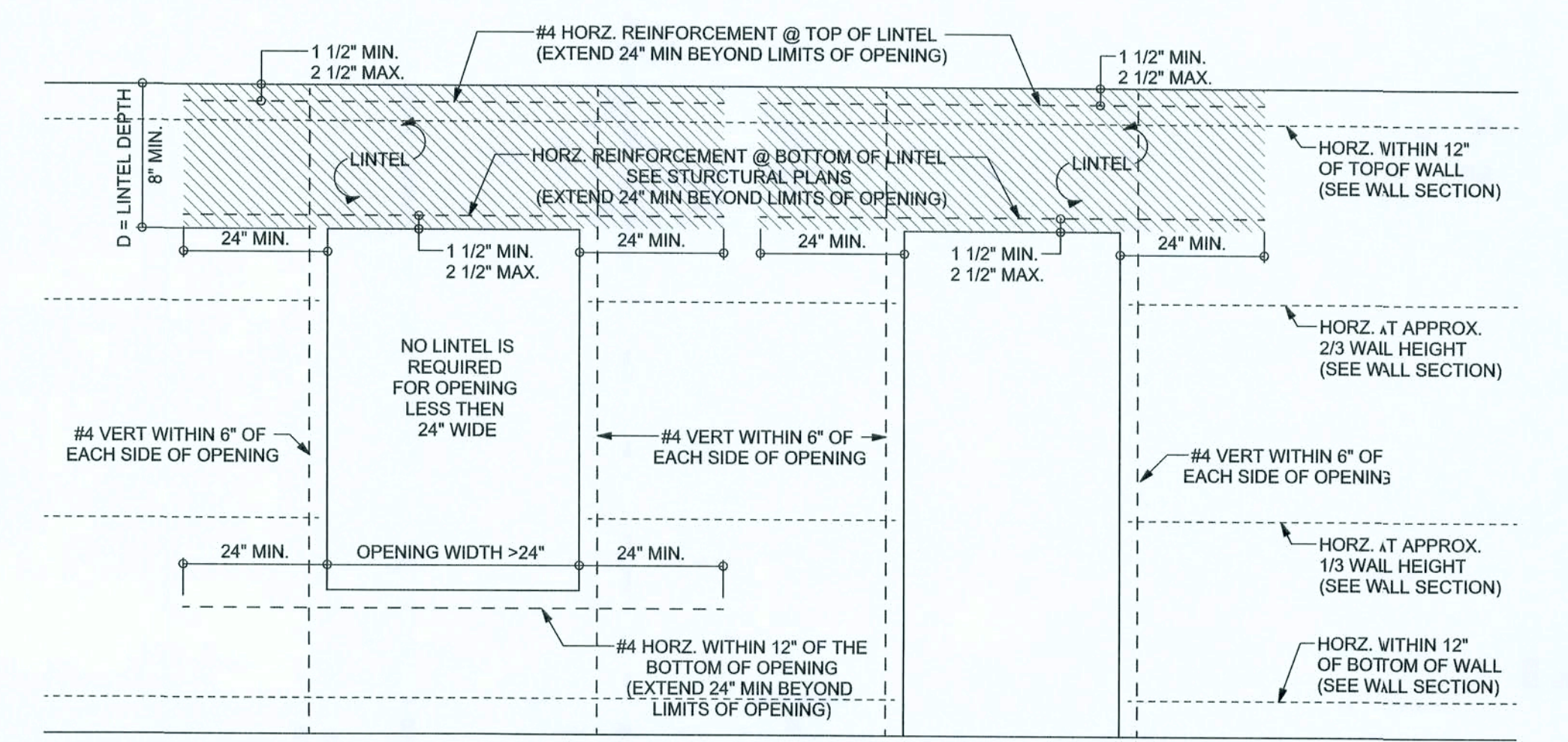
SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE



TYPICAL 1 STORY ICF WALL SECTION
SCALE: 1" = 1'-0"



SOUTH GABLE

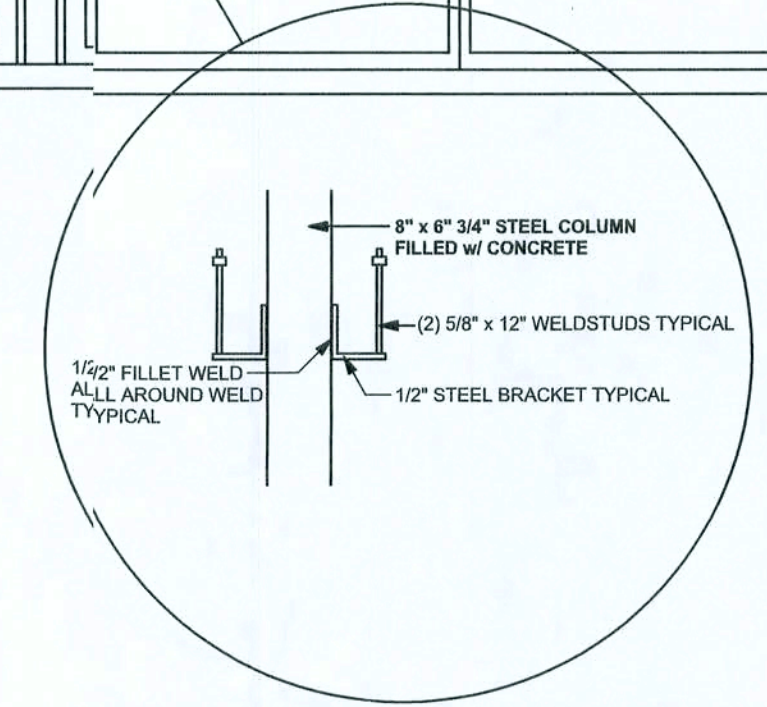


TYPICAL OPENING / LINTEL DETAIL
SCALE: 1/2" = 1'-0"

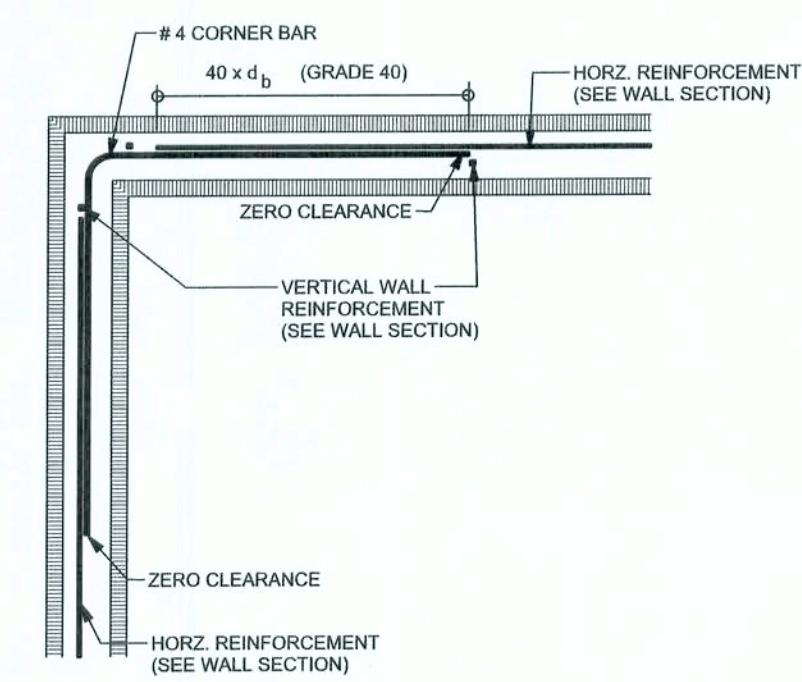
4" CONCRETE FLOOR SLAB REINFORCED WITH 6X8-1.4/1.4 WELDED WIRE MESH PLACED ON CHAIRS AT 1 1/2" DEPTH OR FIBER MESH CONCRETE, 6-MIL POLY VAPOR BARRIER WITH 6" LAPS SEALED WITH POLY TAPE OVER TERMITE-TREATED AND COMPACTED FILL

SEE FOUNDATION PLAN FOR FOOTING DETAILS

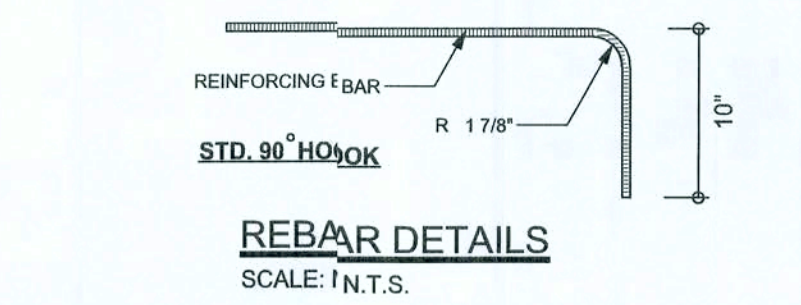
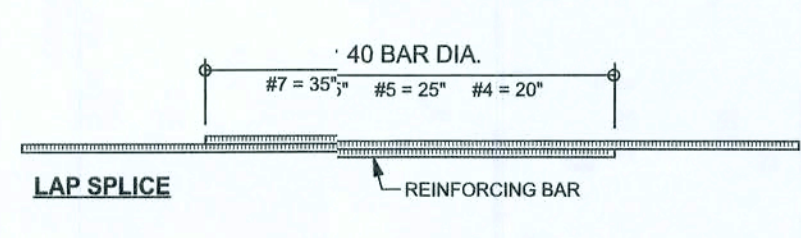
NOTE: ALL REBAR AROUND WINDOWS IS TO BE 3" FROM EDGE OF WINDOW



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



TYPICAL CORNER DETAIL
SCALE: 1/2" = 1'-0"



MASONRY TRUSS / ANCHOR TABLE

OBTAIN UPLIFT REQUIREMENTS FROM TRUSS MANUFACTURER'S ENGINEERING

UPLIFT LBS.	TRUSS CONNECTOR MASONRY *	
< 1205	TA22	10-10d x 1 1/2"
< 1605	TA22	11-10d
< 860	MNTSM20	4 - 1/4"x2 1/4" TITEN IN BLOCK 7 - 10d IN TRUSS
< 1175	HHTSM20	4 - 1/4"x2 1/4" TITEN IN BLOCK 10 - 10d IN TRUSS
< 1040	META20	7-10d, 1 1/2"
< 1490	META20	10-10d, 1 1/2"
< 1780	HETA20	7-16d
< 1780	LGT2	7 - 1/4"x2 1/4" TITEN IN BLOCK 14 - 16d SINKER IN GIRDER
< 2130	H/HETA20	17-10d, 1 1/2"
< 2310	H/HETA24	21-10d, 1 1/2"
< 3865	MGT	22-10d TO TRUSS (2) 3/4 AB TO WALL 15\"/>
< 10980	HGT-2	16-10d TO TRUSS (2) 3/4 AB TO WALL 15\"/>
< 10530	HGT-3	16-10d TO TRUSS (2) 3/4 AB TO WALL 15\"/>

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.

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 SEALED AND SIGNED BY THE MANUFACTURER'S DESIGN ENGINEER. IT IS THE BUILDER'S RESPONSIBILITY TO 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 4x15LB 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 8" W1 x 4 W1.4, FB = 8KSI, WELDED WIRE REINFORCEMENT FABRIC (W.W.R.) 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 0.15 TO 1.15 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. LENGTH / WIDTH RATIOS OF SLAB AREAS SHALL NOT EXCEED 1.5 AND TYPICAL SPACING OF CUTS TO BE 12FT. DO NOT CUT WRM 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, F_y = 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.

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 50' 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

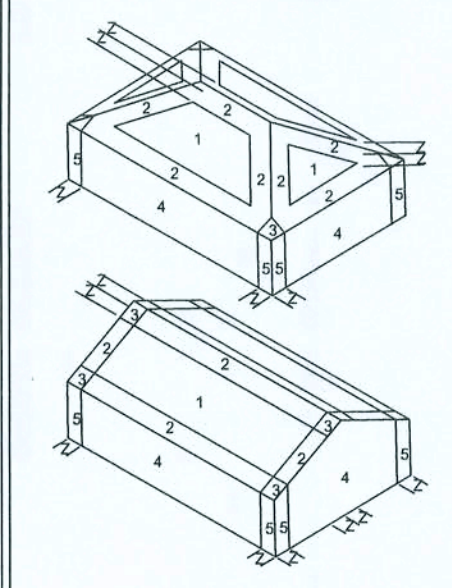
5.) ROOF ANGLE = 10-45 DEGREES

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 ²)	10	100
1	19.9 - 21.8	18.1	-18.1
2	19.9 - 25.5	18.1	-21.8
2 Onq	-	-40.6	-40.6
3	19.9 - 25.5	18.1	-21.8
3 Onq	-	-68.3	-42.4
4	21.8 - 23.6	18.5	-20.4
5	21.8 - 29.1	18.5	-22.6
Doors & Windows	21.8	-29.1	-
Worst Case (Zone 5, 10 ft)	-	-	-
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)

WINDLOAD ENGINEER: Mark Disoway, P.E. No. 53915, ICB 868, Lake City, FL 32068, 386-724419

DIMENSIONS: Stated dimensions supercede 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. 53915

Mark Disoway
21 AUG 06

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PRINTED DATE:
August 21, 2006

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Fro Vakil

STRUCTURAL BY:
Ben Sparks

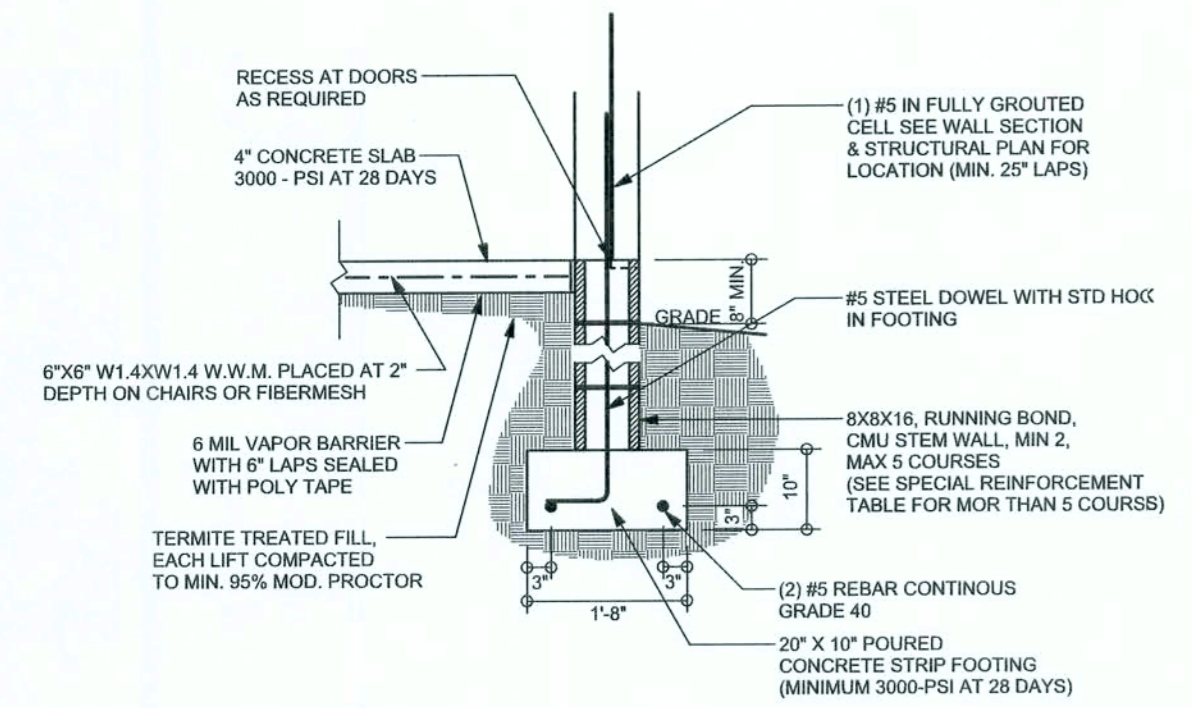
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27 / Jul / 06

JOB NUMBER:
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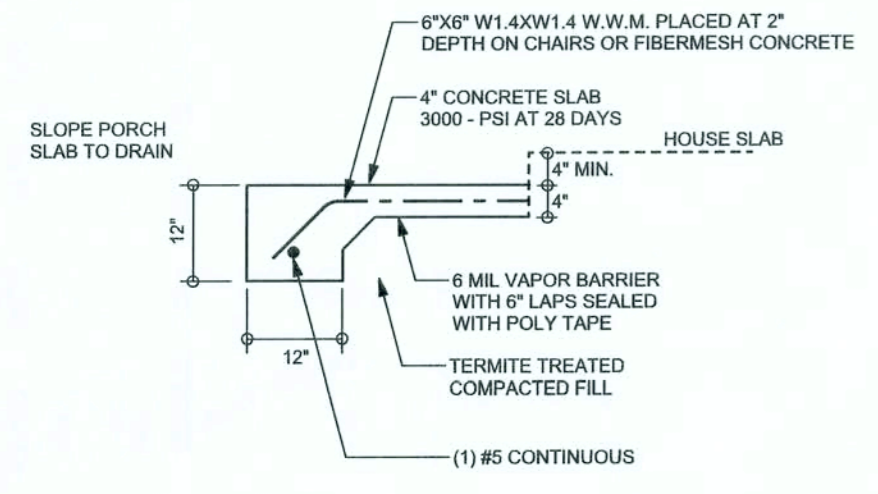
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OF 3 SHEETS

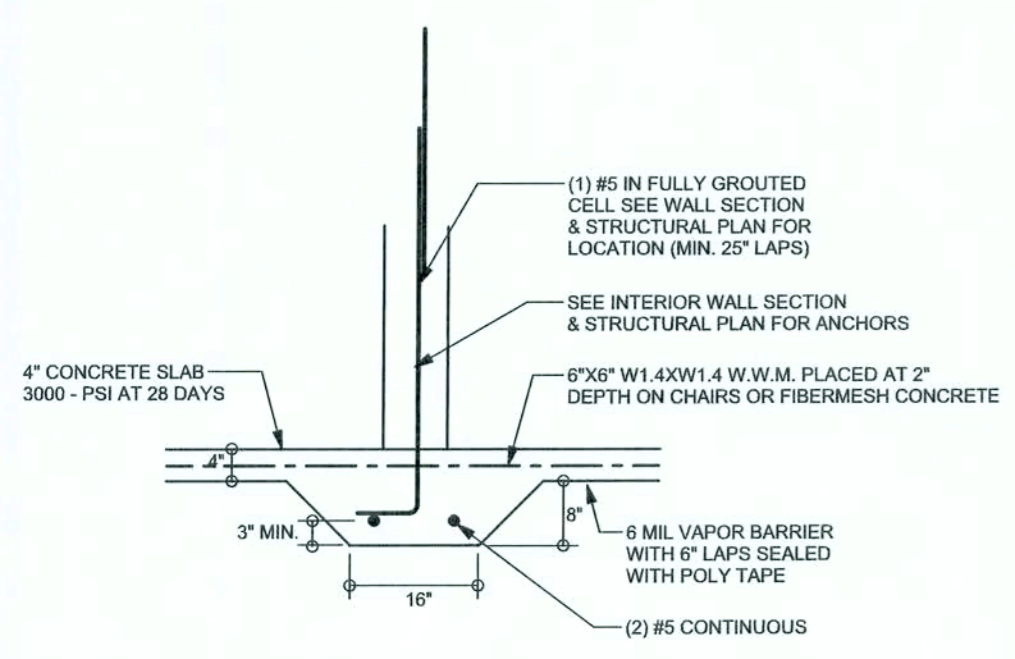
REVISIONS	



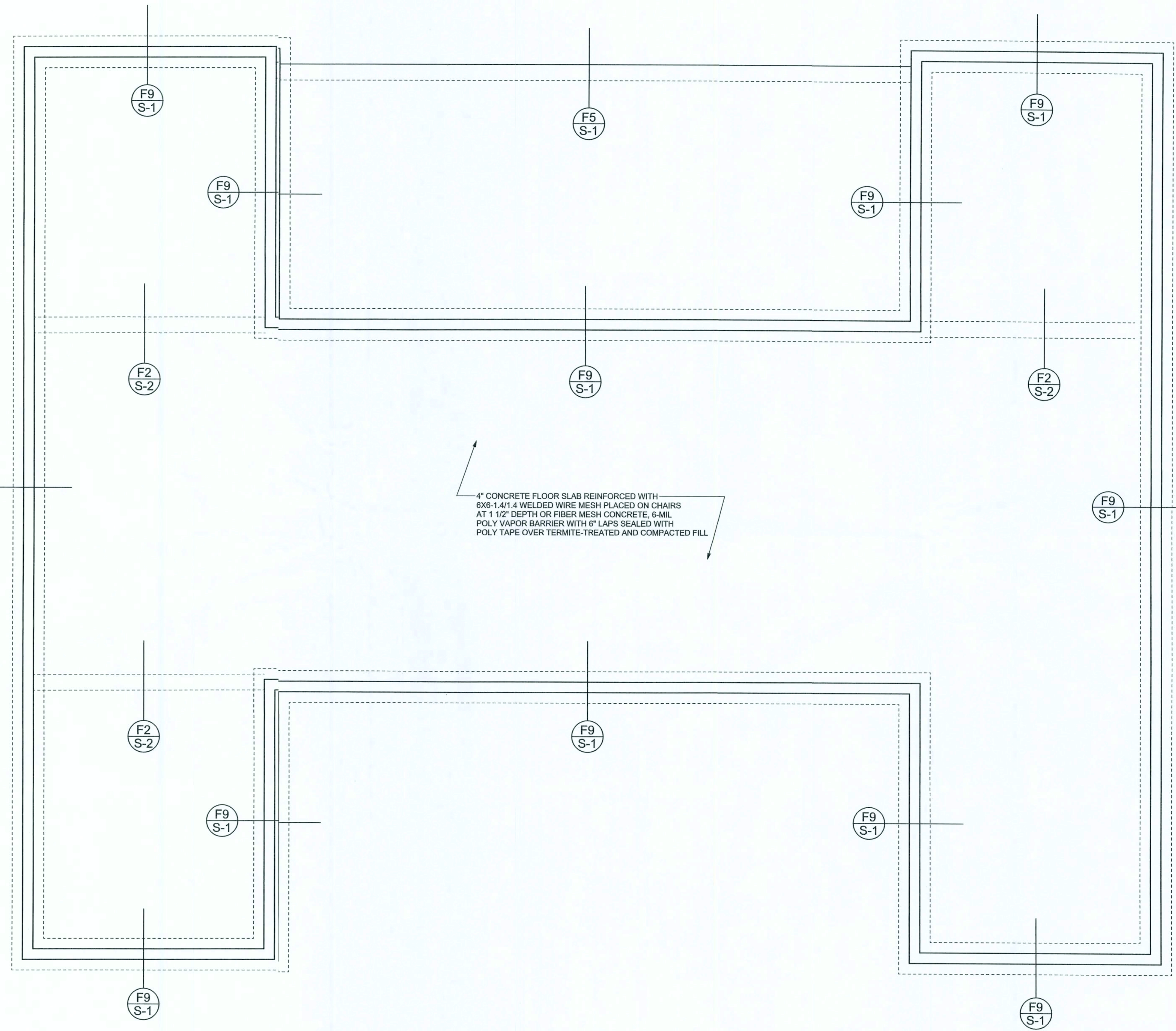
F9 S-2 STEM WALL FOOTING
SCALE: 1/2" = 1'-0"



F5 S-2 PORCH FOOTING
SCALE: 1/2" = 1'-0"



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



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

WINDLOAD ENGINEER: Mark Disosway
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DIMENSIONS
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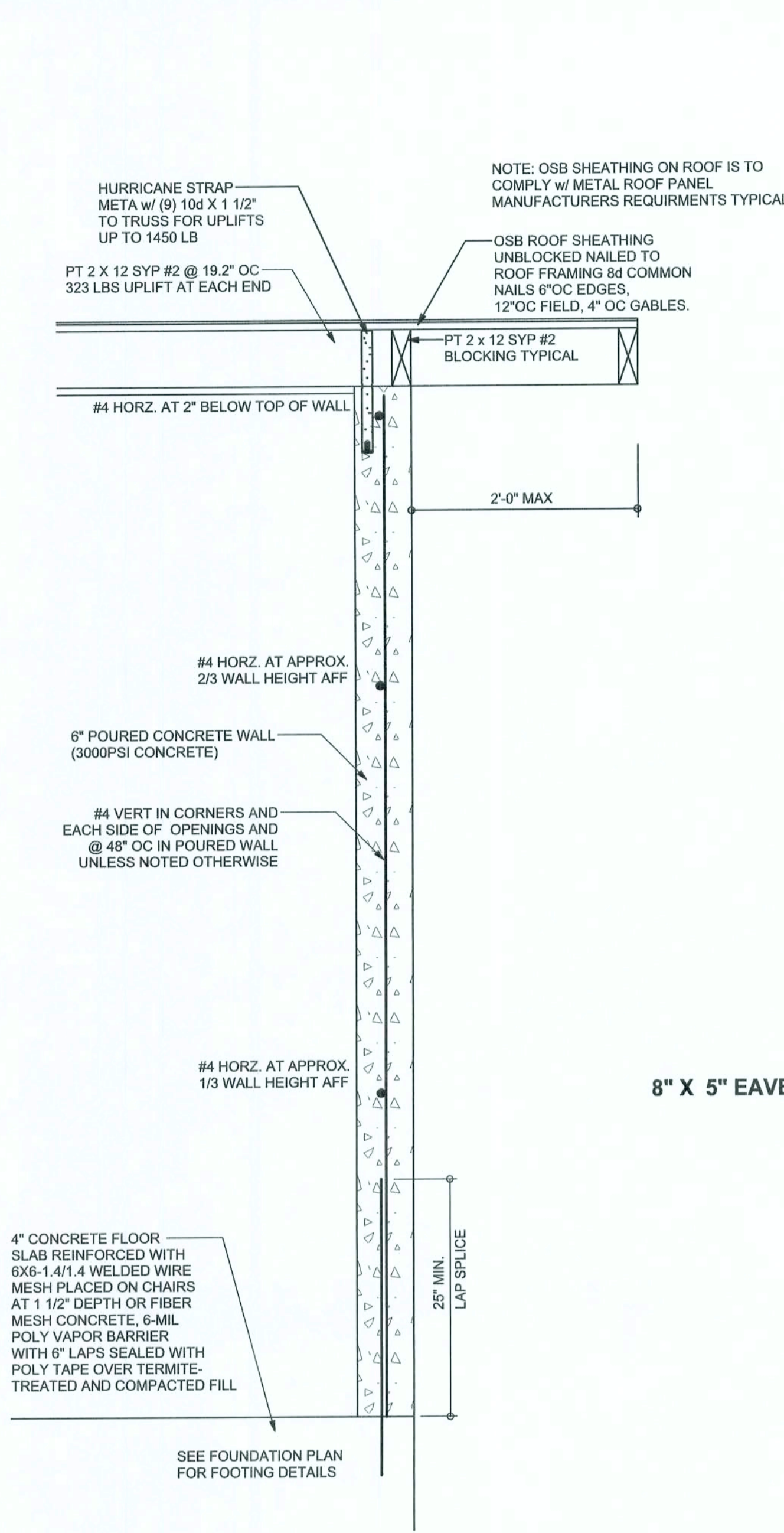
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S-2
OF 3 SHEETS

REVISIONS	

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

TABLE OF ABBREVIATIONS

- B2B = BACK-TO-BACK, WEBS OF C-SECTION MEMBERS ARE FLAT UPSIDE TO EACH OTHER. IN A B2B TRUSS NORMALLY THE OPEN SIDE OF THE C-SECTION OF ALL CHORD MEMBERS FACE ONE WAY AND THE WEBS FACE THE OTHER WAY.
- B8800T88 = BOX BEAM ASSEMBLED PER THE DETAIL WITH A FRAMEMASTER INNER FRAME ACTING AS A WEB STIFFENER FOR THE HEAVY GAGE BOX BEAM MEMBERS. (2) 800T150-60.
- ON = JOIST PANEL IS FULLY ON THE WALL. (USED TO NOTE JOIST LENGTH WHEN JOIST PANEL IS DRAWN BUT INDIVIDUAL JOIST ARE NOT SHOWN.)
- OFF = JOIST PANEL IS NOT ON THE WALL BUT STOPS AT THE NEAR SIDE OF THE WALL. (THIS WOULD BE IN CASE OF AN END JOIST PARALLEL TO THE WALL WHERE THE ADJACENT PANEL IS ON THE WALL. IT WOULD ALSO APPLY WHERE THE TRACK MEMBER OF A PANEL IS ATTACHED TO THE SIDE OF A STUD WALL OR WHERE THE JOISTS ARE IN HANGERS AGAINST THE WALL.)
- OFF 1/2" = JOIST PANEL IS 1/2" OFF THE WALL. (TO ALLOW FOR THICKNESS OF PLYWOOD OR SUCH.)
- ON 1" = JOIST PANEL BEARS 1" ON THE WALL.
- ON BLK = SOLID BLOCKING IN END BAY OF JOIST PANEL PERPENDICULAR TO THE WALL. THE BLOCKING MUST BE IN LINE WITH THE FRAMING ABOVE OR SPACED 24" OC MAX WITH A 550L150-43 L-HEADER ATTACHED TO THE LOAD BEARING TRACK.
- 550S43 = ABBREVIATION FOR 550S162-43 SINCE ALL FRAMEMASTER S-SECTION MATERIAL IS .162" WIDE.
- FM1600PT350-43 = FRAMEMASTER, 16" DEEP, PARALLEL CHORD TRUSS, WITH 350S162-43 WEB AND CHORD MEMBERS AS DEFINED IN THE DETAIL DRAWING.
- NOG = NOGGIN, xxxS162-xx PURLIN OR DIAGONAL BRACE MEMBER THE SAME DEPTH AND THICKNESS AS PANEL MEMBERS WITH HOLES PUNCHED AT INTERSECTION WITH PANEL MEMBERS TO ALLOW THEM TO PASS THRU THE NOGGIN.
- CAS4 = CLIP ANGLE, .054" THICK x 2 1/2" MIN. 80% OF MEMBER DEPTH. ATTACH TO SUPPORTED MEMBER AND SUPPORTING MEMBER WITH HALF THE SPECIFIED NUMBER OF SCREWS IN EACH.

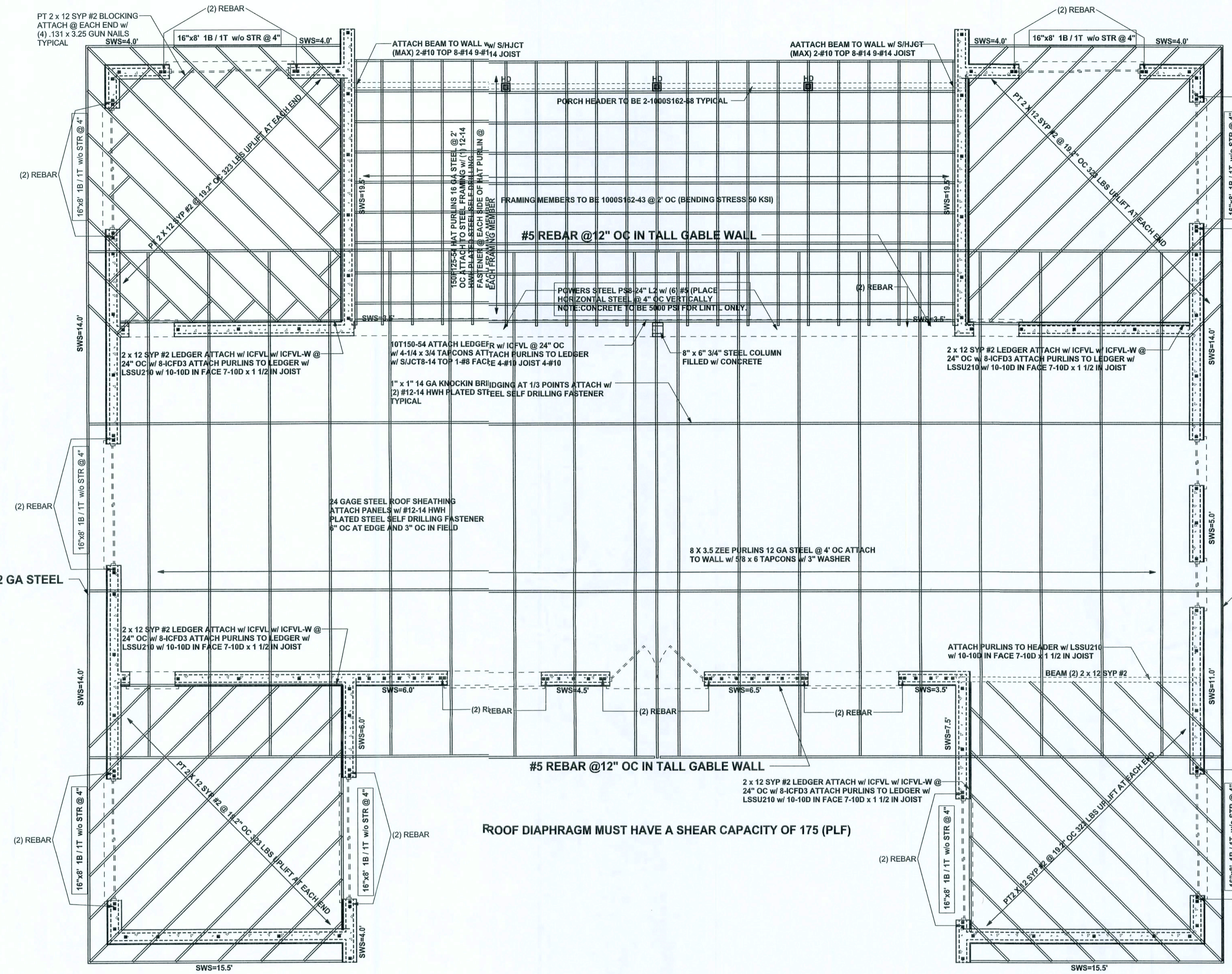
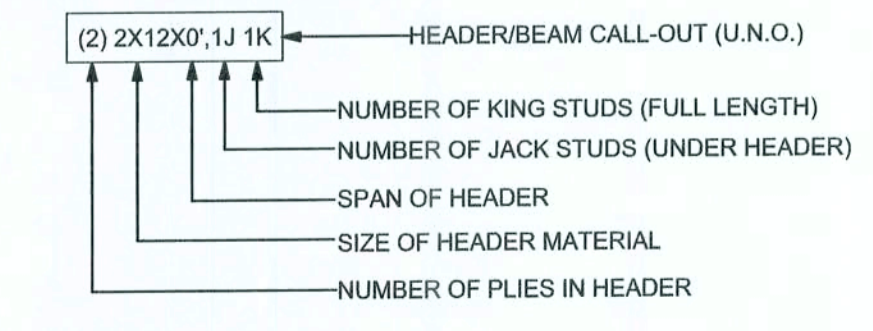


TYPICAL 1 STORY POURED CONCRETE WALL SECTION
SCALE: 1" = 1'-0"

WALL LEGEND

	EXTERIOR WOOD FRAMED WALL
	EXTERIOR ICF WALL (STANDARD WALL HEIGHT)
	EXTERIOR ICF WALL (WALL HEIGHT TO MATCH TOP OF 2nd FLOOR DECK)
	INTERIOR BEARING WALL

HEADER LEGEND

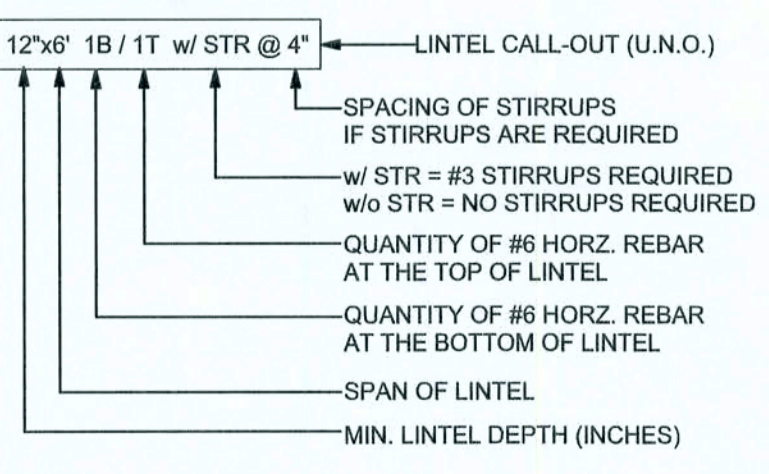


STRUCTURAL LAYOUT
SCALE: 1/4" = 1'-0"

SYMBOL LEGEND

- INDICATES A COLUMN TO BE B2B350S43 U.N.O.
- INDICATES A B2B350S43 COLUMN & SIMPSON HT14 W/ 1/4" #10 TO C-COLUMN & 5/8" THREADED ROD INTO FOUNDATION 12" MIN. EMBEDMENT U.N.O.

LINTEL LEGEND



STRUCTURAL PLAN NOTES

- SN-1 PUT NOGS IN ALL RAFTER PANELS AND GABLE WALLS (WHERE EXPOSED TO WIND) AT 4' O.C. MAX AND AT BEARING LOCATIONS, SAME THICKNESS AS RAFTERS.
- SN-2 SOLID BLOCKING MUST BE INSTALLED UNDER ALL POINT LOADS
- SN-3 ALL EXTERIOR LOAD BEARING WALLS TO BE FM350S43 U.N.O. w/ NOGS @ 4'-0" O.C. & FULLY BLOCKED
- SN-4 ALL INTERIOR LOAD BEARING WALLS TO BE FM350S33 U.N.O. w/ NOGS @ 4'-0" O.C. & FULLY BLOCKED
- SN-5 ALL HEADERS TO BE FM WEB HEADERS U.N.O.
- SN-5 ALL PORCH HEADERS TO BE B8800T43 U.N.O.

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 ALL LOAD BEARING ICF WALL LENTILES SHALL BE A MIN. OF 12" DEEP W/ (1) #4 TOP AND BOTTOM NO STIRRUPS REQUIRED (U.N.O.)
- SN-4 DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS
- SN-5 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

TOTAL SHEAR WALL SEGMENTS

	REQUIRED	ACTUAL
TRANSVERSE	4.0'	77.5'
LONGITUDINAL	21.0'	114.0'

WINDLOAD ENGINEER: Mark Disosway, P.E. No. 53915 P.O. Box 888, Lake City, FL 32056, 386-74-6419

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OF 3 SHEETS