

## TERMITE SPECIFICATIONS:

- A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR RE-INSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. (FBC 104.2.6)
- CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALKS. (FBC 1503.4.4)
- IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" OF THE BUILDING SIDE WALLS. (FBC 1503.4.4)
- 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 CEMENTATIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. (FBC 1403.1.6)
- INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. (FBC 1816.1.1)
- SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED AND FORMED. (FBC 1816.1.2)
- 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)
- MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. (FBC 1816.1.4)
- CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. (FBC 1816.1.5)
- SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. (FBC 1816.1.6)
- 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)
- ALL BUILDINGS ARE REQUIRED TO HAVE PRE-CONSTRUCTION TREATMENT. (FBC 1816.1.7)
- 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)
- AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAY BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. (FBC 2303.1.3)
- NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. (FBC 2303.1.4)

A.B.	Anchor Bolt	F.B.C.	Florida Bldg. Code	Op'n'g.	Opening
Abv.	Above	Fin. Fir.	Finished Floor	Opt.	Optional
A/C	Air-Conditioner	F.G.	Fixed Glass	Pc.	Place
Adj.	Adjustable	Fir.	Floor	Red.	Redwood
A.F.	Above Finished Floor	Fdn.	Foundation	P.L.	Parallam
A.H.U.	Air Handler Unit	Fir. Sys.	Floor System	PLF	Pounds per linear foot
ALT.	Alternate	F.PI.	Fireplace	Plt. Ht.	Plate Height
B.C.	Base Cabinet	Ft.	Foot / Feet	Plnt Sh.	Plant Shelf
B.F.	Bifold Door	Ftg.	Footing	PSF	Pounds per square foot
Bk Sh.	Book Shelf	PX.	Fixed	P.T.	Pressure Treated
Bm.	Beam	Galv.	Galvanized	Pwd.	Powder Room
BOT.	Bottom	G.C.	General Contractor	Rad.	Radius
B.P.	Bypass door	G.F.I.	Ground Fault Interrupter	Ref.	Refrigerator
Brg.	Bearing	G.T.	Girder Truss	Req'd.	Required
Cir.	Circle	Hdr.	Header	Rm.	Room
Cip.	Ceiling	Hgt.	Height	Rnd.	Round
Col.	Column	HB	Hose Bibb	R/SH	Rod and Shelf
Comp.	A/C Compressor	Int.	Interior	SD.	Smoke Detector
C.T.	Ceramic Tile	K/Wall	Kneewall	S.F.	Square Ft.
D.	Dryer	K.S.	Knee Space	Sh.	Shelves
Dec.	Decorative	Lav.	Laundry	SHT	Sheet
Dec.	Dedicated Outlet	Lav.	Lavatory	S.L.	Side Lights
Dbl.	Double	L.F.	Linear Ft.	S.P.F.	Spruce Pine Fir
Dia.	Diameter	L.T.	Laundry Tub	Sq.	Square
Disp.	Disposal	Mas.	Masonry	S.Y.P.	Southern Yellow Pine
Dist.	Distance	Max.	Maximum	Temp.	Tempered
D.S.	Drawer Stack	M.C.	Medicine Cabinet	Thick'n	Thicken
D.V.	Dryer Vent	MDP	Master Distribution Panel	T.O.B.	Top of Block
D.W.	Dishwasher	Mfr.	Manufacturer	T.O.M.	Top of Masonry
Ea.	Each	Micro	Microwave	T.O.P.	Top of Plate
E.W.	Each Way	Min	Minimum	Trans.	Transom Window
Elec.	Electrical	M.L.	Microfilm	Typ.	Typical
Elev.	Elevation	Mir.	Mirror	UCL	Under Cabinet Lighting
Ext.	Exterior	Mono	Monolithic	U.N.O.	Unless Noted Otherwise
Exp.	Expansion	N.T.S.	Not to Scale	VB	Vanity Base
				Vert.	Vertical
				V.L.	Versaliam
				VTR	Vent through Roof
				W	Waisher
				W/C	Water Closet
				W.A.	Wedge Anchor
				Wd	Wood
				WP	Water Proof

## STRUCTURAL NOTES:

### FOUNDATIONS

SOIL TO BE COMPACTED TO AT LEAST 95% OF MAX. DRY DENSITY AS DETERMINED BY ASTM - 1557 (MODIFIED PROCTOR)

### FOUNDATION INSPECTIONS

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

### CAST IN PLACE CONCRETE

- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 2500 PSI, A SLUMP OF 6" PLUS OR MINUS 1", AND HAVE 2 TO 5% AIR ENTRAINMENT, AND A MAXIMUM WATER/CEMENT RATIO OF 0.83
- ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 40
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. WWF SHALL BE LAPPED AT LEAST 6" AND CONTAIN AT LEAST ONE CROSS WIRE WITHIN THE 6".
- HOOKS SHALL BE PROVIDED AT DISCONTINUOUS ENDS OF ALL TOP BARS OF BEAMS.
- HORIZONTAL FOOTING BARS SHALL BE BENT 1'-0" AROUND CORNERS OR CORNER BARS WITH A 2'-0" LAP PROVIDED
- MINIMUM LAP SPLICES ON ALL REINFORCING BAR SPLICES SHALL BE 40 BAR DIAMETERS TYP.
- CONCRETE COVER MIN. 3" WHEN EXPOSED TO EARTH OR 1 1/2" TO FORM

### MASONRY WALL CONST.

- HOLLOW LOAD BEARING UNITS SHALL BE NORMAL WEIGHT, GRADE N, TYPE 2, CONFORMING TO ASTM C90, WITH A MINIMUM NET COMPRESSIVE STRENGTH OF 1900 PSI (fm = 1350 PSI)
- MORTAR SHALL BE TYPE "M" OR "S", CONFORMING TO ASTM C270.
- COARSE GROUT SHALL CONFORM TO ASTM C476 WITH A MAXIMUM AGGREGATE SIZE OF 3/8" AND A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI SLUMP 8" TO 11".
- VERTICAL REINFORCEMENT SHALL BE AS NOTED ON THE DRAWINGS WITH THE CELLS FILLED WITH COARSE GROUT.
- VERTICAL REINFORCEMENT SHALL BE HELD IN POSITION AT THE TOP AND BOTTOM AND AT A MAXIMUM SPACING OF 102 BAR DIAMETERS. REINFORCEMENT SHALL BE PLACED IN THE CENTER OF THE MASONRY CELL TYPICAL UNLESS OTHERWISE NOTED.
- REINFORCING STEEL SHALL BE LAPPED A MINIMUM OF 40 BAR DIAMETERS, UNLESS OTHERWISE NOTED ON THE DRAWINGS
- GROUT STOPS SHALL BE PROVIDED BELOW BOND BEAM. PLASTIC SCREEN METAL LATH STRIP OR CAVITY CAPS MAY BE USED TO PREVENT THE FLOW OF GROUT INTO CELLS BELOW. THE USE OF FELT PAPER AS A STOP IS PROHIBITED.

### WOOD CONSTRUCTION

- WOOD CONSTRUCTION SHALL CONFORM TO THE NFPA "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION", LATEST EDITION
- ALL EXTERIOR WOOD STUD WALLS, BEARING WALLS, SHEAR WALLS AND MISC. STRUCTURAL WOOD FRAMING MEMBERS, (I.E. BLOCKING OR GABLE END BRACING) SHALL BE EITHER SOUTHERN PINE, OR S.P.F. NUMBER 2 GRADE SHALL BE USED REGARDLESS OF SPECIES
- ANY WOOD FRAME INTERIOR BEARING WALL STUDS THAT HAVE HOLES IN THE CENTER OF THE STUD UP TO 1" DIA. SHALL HAVE STUD PROTECTION SHIELDS FOR ALL HOLES OVER 1" IN DIA. FOR PLUMBING LINES, ETC. SHALL BE REPAIRED WITH SIMPSON HSS2 STUD SHOES, TYP., U.N.O.

### WOOD FRAMING INSPECTION

ALL PLUMBING, ELECTRICAL, AND MECHANICAL ROUGH-INS MUST BE COMPLETE, INSPECTED AND APPROVED BEFORE REQUESTING FRAMING INSPECTION.

### PREFABRICATED WOOD TRUSSES

- ALL PREFABRICATED WOOD TRUSSES SHALL BE SECURELY FASTENED TO THEIR SUPPORTING WALLS OR BEAMS WITH HURRICANE CLIPS OR ANCHORS.
- PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR STRESS-GRADE LUMBER AND ITS FASTENERS" AS RECOMMENDED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.
- TRUSS MEMBERS AND CONNECTIONS SHALL BE PROPORTIONED (WITH A MAXIMUM ALLOWABLE STRESS INCREASE FOR LOAD DURATION OF 25%) TO WITHSTAND THE LIVE LOADS GIVEN IN THE NOTES AND TOTAL DEAD LOAD.
- BRIDGING FOR PRE-ENGINEERED TRUSSES SHALL BE AS REQUIRED BY THE TRUSS MANUFACTURER UNLESS NOTED ON THE PLANS.
- TRUSS ELEVATIONS AND SECTIONS ARE FOR GENERAL CONFIGURATION OF TRUSSES ONLY. WEB MEMBERS ARE NOT SHOWN, BUT SHALL BE DESIGNED BY THE TRUSS MANUFACTURER IN ACCORDANCE WITH THE FOLLOWING DESIGN LOADS:
- DESIGN SPECIFICATIONS FOR LIGHT WEIGHT METAL PLATE CONNECTED WOOD TRUSSES PER THE TRUSS PLATE INSTITUTE TPI LATEST EDITION.
- PRE-ENGINEERED WOOD TRUSSES SHALL BE DESIGNED BY THE MANUFACTURER IN ACCORDANCE WITH SPECIFIED LOADS AND GOVERNING CODES. SUBMITTALS SHALL INCLUDE TRUSS FRAMING PLANS AND DETAILS SHOWING MEMBER SIZES, BRACING, ANCHORAGE, CONNECTIONS, TRUSS LOCATIONS, AND AND PERMANENT BRACING AND/OR BRIDGING AS REQUIRED FOR ERECTION AND FOR THE PERMANENT STRUCTURE. EACH SUBMITTAL SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED STRUCTURAL ENGINEER. SUBMIT 3 COPIES FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
- THE TRUSS MANUFACTURER SHALL DETERMINE ALL SPANS WORKING POINTS, BEARING POINTS, AND SIMILAR CONDITIONS. TRUSS SHOP DRAWINGS SHALL SHOW ALL TRUSSES, ALL BRACING MEMBERS, AND ALL TRUSS TO TRUSS HANGERS

### UPLIFT CONNECTORS

- UPLIFT CONNECTORS SUCH AS HURRICANE CLIPS, TRUSS ANCHORS AND ANCHOR BOLTS ARE ONLY REQUIRED ON MEMBERS IN WALLS THAT ARE EXPOSED TO UPLIFT FORCES. INTERIOR LOAD BEARING WALLS ARE NOT ALWAYS EXPOSED TO UPLIFT FORCES. THE MEMBERS OF THESE WALLS WOULD NOT NEED TO HAVE CONNECTORS APPLIED. PLEASE CONSULT THE TRUSS ENGINEERING FOR THE LOCATION OF THESE WALLS.

### FIELD REPAIR NOTES

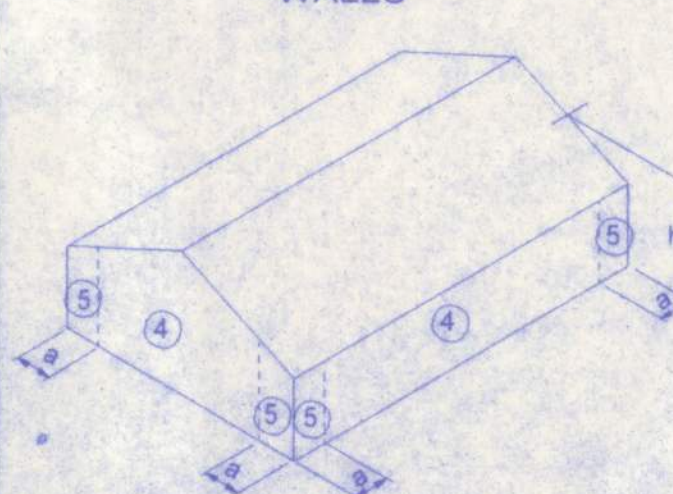
- MISSID UNTEL STRAPS FOR MASONRY CONSTRUCTION MAY BE SUBSTITUTED W/ (1) "SIMPSON MTSM16 TWIST STRAP W/ (4) 1/4" X 2 1/4" DIA. TITENS TO THE BOND BEAM BLOCK AND (7) 10d TO THE TRUSS FOR UPLIFTS OF 1000 LBS. OR LESS. USE (2) FOR 2000 LBS. OR LESS. OTHERS MAY BE SUBSTITUTED ON A CASE BY CASE BASIS.
- MISSID "J" BOLTS FOR WOOD BEARING WALLS MAY BE SUBSTITUTED W/ 1/2" DIA. ANCHOR BOLTS SET IN 3/4" DIA. X 8" DEEP UNITEK "PROPOXY" 300 ADHESIVE BINDER FOLLOWING ALL MANUFACTURERS RECOMMENDATIONS (OR 1/2" X 8" RAWL STUD EXPANSION ANCHORS.)
- REGARDING MISSED REBAR IN VERTICAL FILLED CELLS: DRILL A 3/4" DIAMETER HOLE 6" DEEP AT THE LOCATION OF THE OMITTED REBAR, AND INSTALL A 32" LONG #5 BAR INTO THE EPOXY FILLED HOLE. USE A TWO PART EMBEDDEMENT EPOXY (SIMPSON "EPOXY TIE SET", OR HILTI "2 PART EMBEDDEMENT EPOXY"). MIXED PER MANUFACTURER'S INSTRUCTIONS. ASSURE THAT ALL DUST AND DEBRIS FROM DRILLING ARE REMOVED FROM THE HOLE BY BRUSHING AND AND USING COMPRESSED AIR PRIOR TO APPLYING THE EPOXY. ALLOW THE EPOXY TO CURE TO MANUFACTURER'S SPECIFICATIONS, THEN FILL THE CELL IN THE NORMAL WAY DURING BOND BEAM POUR.
- HURRICANE STRAPS MAY BE SUBSTITUTED WITH A STRAP OF GREATER HOLDOWN VALUE OR GREATER UPLIFT VALUE IN THE FIELD WITHOUT VERIFICATION. PROVIDED ALL MANUFACTURERS INSTALLATION INSTRUCTIONS ARE FOLLOWED.
- FOR MORTAR JOINTS LESS THAN 1/4", PROVIDE (1) #5 VERT. IN CONC. FILLED CELL EACH SIDE OF THE JOINT (BAR DOES NOT HAVE TO BE CONT. TO FOOTING)

## STRUCTURAL DESIGN CRITERIA

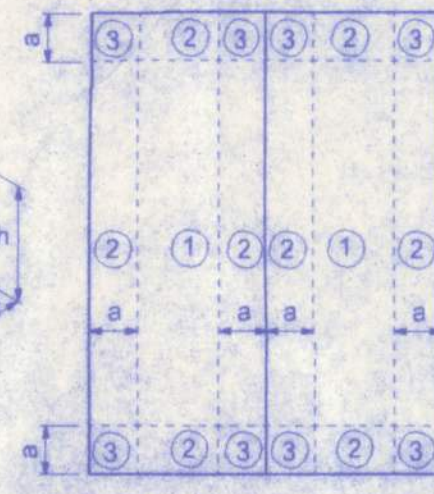
<b>CODES:</b>	FLORIDA BUILDING CODE, 2007 EDITION WITH 2009 SUPPLEMENTS BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-05) SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS (ACI 301-05) BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-05) NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, 2001 EDITION APA PLYWOOD DESIGN SPECIFICATION	
<b>LIVE LOADS:</b>	ROOF RESIDENTIAL FLOOR, UNLESS OTHERWISE INDICATED BALCONIES STAIRS LIGHT PARTITIONS (DEAD LOAD), U.N.O.	20 PSF (REDUCIBLE) 40 PSF 40 PSF 40 PSF 20 PSF
<b>WIND LOADS: (F.B.C.)</b>	WIND LOADS BASED ON FBC, SECTION 1609 WIND VELOCITY: 110 M.P.H., USE FACTOR: 1.0	
<b>CONCRETE STRENGTH @ 28 DAYS</b>	ALL CONCRETE UNLESS OTHERWISE INDICATED PEA GRAVEL CONCRETE FOR MASONRY CELLS ONLY (DO NOT USE FOR CONCRETE COLUMNS OR TIE BEAMS)	2500 PSI 3000 PSI
<b>REINFORCING:</b>	WELDED WIRE FABRIC SHALL CONFORM TO ALL REINFORCING BARS ALL STIRRUPS AND TIES	ASTM A195 ASTM A615-40 40,000 PSI ASTM A615-40 40,000 PSI
<b>CONCRETE MASONRY UNITS:</b>	ASTM C90-99b, STANDARD WEIGHT UNITS, fm=1500 PSI MORTAR TYPE "S" 1800 PSI CONCRETE GROUT 3000 PSI CONTINUOUS MASONRY INSPECTION IS REQUIRED DURING CONSTRUCTION	
<b>STRUCTURAL STEEL:</b>	ALL STRUCTURAL AND MISCELLANEOUS STEEL A36 36,000 PSI, U.N.O. SHOP AND FIELD WELDS: E70XX ELECTRODES ALL BOLTS CAST IN CONCRETE: ASTM A36 OR ASTM A-307	
<b>WOOD FRAMING:</b>	BEAMS, RAFTERS, JOIST, PLATES, ETC. U.N.O. NO. 2 SOUTHERN YELLOW PINE (18% M.C.) ROOF DECK: PLYWOOD C-C-C-D, EXTERIOR, OR OSB FLOOR SHEATHING: T&G A-C GROUP 1 APA RATED (48/24) WALL SHEATHING: PLYWOOD C-C-C-D, EXTERIOR OR OSB VERSA LAM BEAM Fb = 2900 PSI (20E) WOOD COLS. PARALLAM 2.0E U.N.O.	
<b>WOOD ROOF TRUSSES:</b>	DESIGN LOADS: TOP CHORD LIVE AND DEAD LOAD BOTTOM CHORD DEAD LOAD TOTAL	30 PSF 10 PSF 40 PSF
<b>WOOD FLOOR TRUSSES:</b>	DESIGN LOADS: DEAD LOAD LIVE LOAD TOTAL	15 PSF 40 PSF 55 PSF
<b>SOIL BEARING VALUE:</b>	ASSUMED ALLOWABLE SOIL BEARING PRESSURE AFTER COMPACTION: 1,500 PSF SEE SOILS REPORT AND SPECIFICATIONS FOR COMPACTION REQUIREMENTS IF SOIL CONDITIONS IN THE PROJECT DO NOT MEET OR EXCEED THE CAPACITY THE GENERAL CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO FOUNDATION POUR FOR VERIFICATION OF FOUNDATION DESIGN.	

ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609, FLORIDA BUILDING CODE, 2007 INCLUDING 2009 SUPPLEMENTS.			
BASIC WIND SPEED	110 MPH		
IMPORTANCE FACTOR	1.0		
BUILDING CATEGORY	II		
EXPOSURE	B		
INTERNAL PRESSURE COEFFICIENT	+/- 0.18		
TYPE OF STRUCTURE	ENCLOSED		
MWFRS PER ASCE 7	Zone 1 - Windward Wall	18.2 psf	
DESIGN WIND PRESSURES	Zone 2 and 3 - Windward and Leeward Roof	-27.3 psf	
WORST CASE	Zone 2 - Sloped Windward Roof	+4.9 psf, -11.7 psf	
	Zone		
	3 - Leeward roof	-14.6 psf	
	4 - Leeward Wall	-12.8 psf	
	5 & 6 Sidewalls	-16.4 psf	
	Zone 7 - Overhang	14.4 psf	
COMPONENTS AND CLADDING PER ASCE 7			
DESIGN WIND PRESSURES			
WORST CASE			
	Wall		
	Zone 4	25.0 psf	-27.2 psf
	Zone 5	25.0 psf	-33.5 psf
		positive	negative
	Roof		
	Zone 1	14.4 psf	-22.9 psf
	Zone 2	14.4 psf	-48.4 psf
	Zone 3	14.4 psf	-48.4 psf

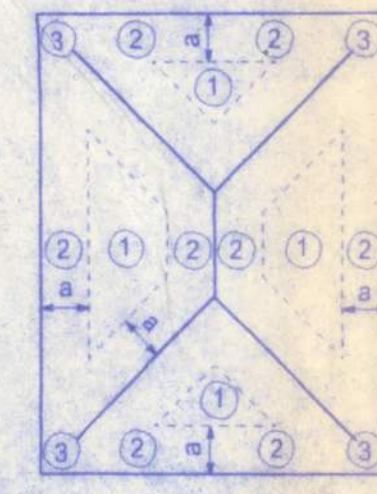
### WALLS



### GABLE ROOFS



### HIP ROOFS



a: 10% of least horizontal dim. or 0.4h, whichever is smaller, but not less than either 4% of least horizontal dimension or 3 ft.  
h: mean roof height, in feet.

## COMPONENTS AND CLADDING

## INDEX OF SHEETS

SHEET NO.	DESCRIPTION
A-1	GENERAL NOTES SHEET
A-2	SITE PLAN
A-3	FLOOR PLAN & ELEVATIONS
A-4	FOUNDATION PLAN & DETAILS
A-5	ROOF PLAN & DETAILS
A-6	TYPICAL WALL SECTION AND DETAILS
A-7	SHEARWALL PLAN
A-8	ELECTRICAL PLAN



HOWELL RESIDENCE

128 SW NASSAU STREET  
LAKE CITY, FL 32025  
(386) 758-4209

Freeman  
Design Group Inc.

DATE

11/21/11

DRAWN BY

W.H.F.

APPROVED

W.H.F.

REVISIONS

SHEET

A-1

OF

8

PROJECT NO.

11.R044

CERTIFICATE OF AUTHORIZATION # 00000701



W.H.F. 12/21/11  
P.E. # 56001

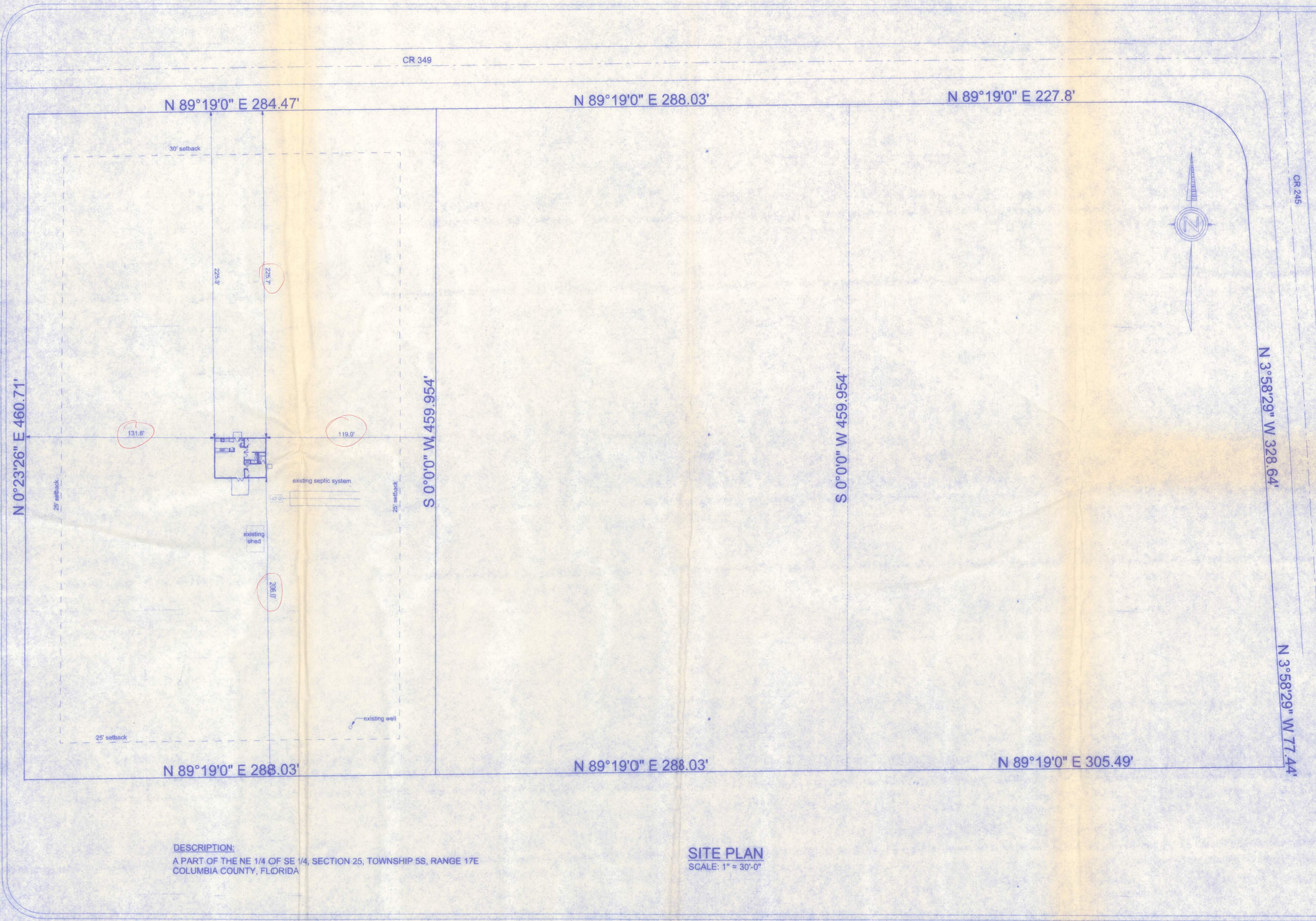
# HOWELL RESIDENCE

128 SW NASSAU STREET  
LAKE CITY, FL. 32025  
(386)758-4209



CERTIFICATE OF AUTHORIZATION # 00008701

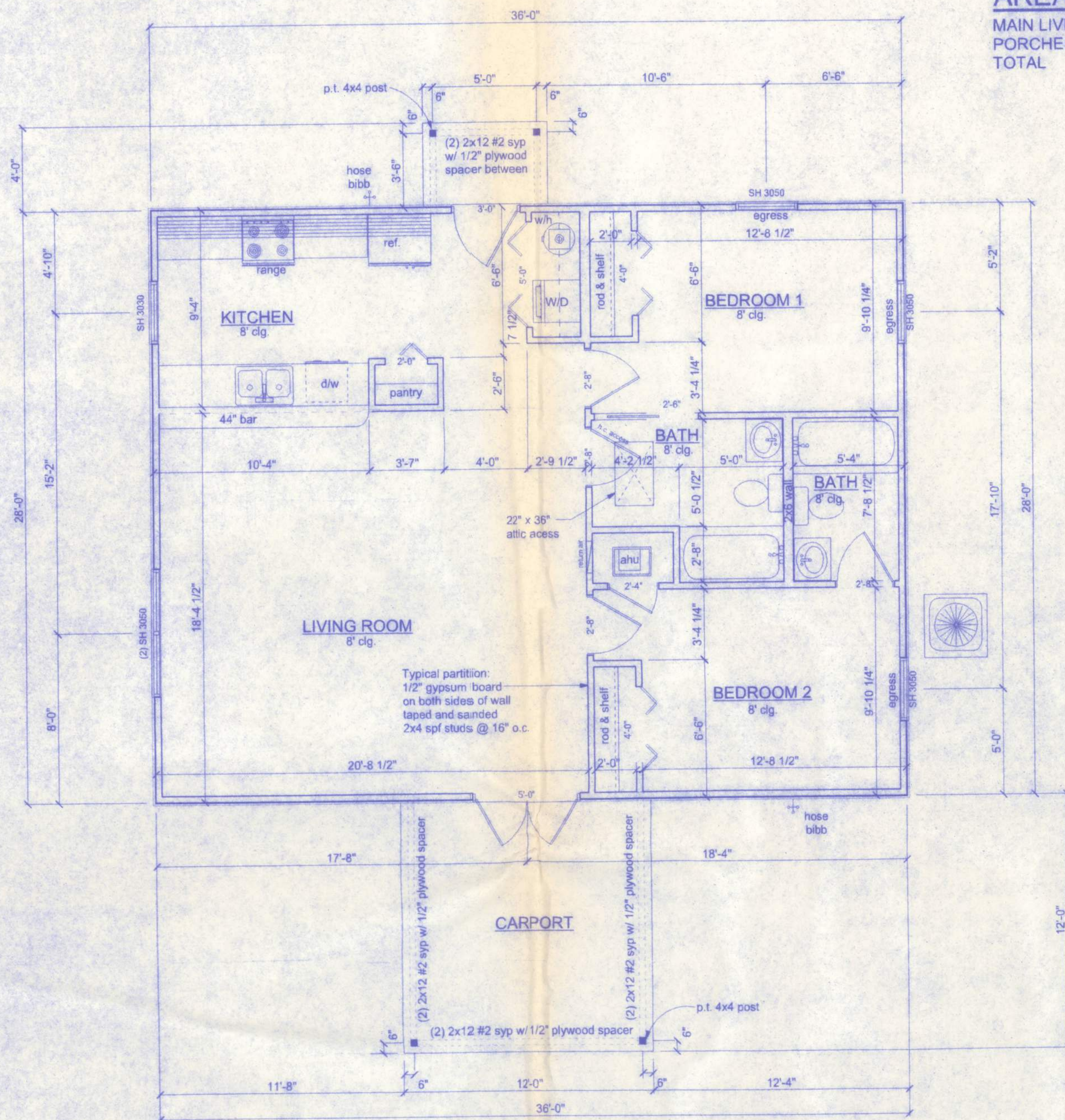
DATE	12/21/11	DRAWN BY	W.H.F.
		APPROVED	W.H.F.
REVISIONS			
SHEET	A-2		
OF	8		
PROJECT NO.			
11.R044			



DESCRIPTION:  
A PART OF THE NE 1/4 OF SE 1/4, SECTION 25, TOWNSHIP 5S, RANGE 17E  
COLUMBIA COUNTY, FLORIDA

SITE PLAN  
SCALE: 1" = 30'-0"





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

PRODUCT CODE	SIZE	HINGE DIRECTION	COUNT
3068	3'-0"	L	1
60X80 FRENCH	5'-0"	LR	1
24X80 BIFOLD COLONIAL	2'-0"	R	1
48X80 BIFOLD COLONIAL	4'-0"	LR	2
60X80 BIFOLD COLONIAL	5'-0"	LR	1
2468 - MASONITE	2'-4"	R	1
2868 - MASONITE	2'-8"	R	1
2868 - MASONITE	2'-8"	L	1
30X80 COLONIAL POCKET I	2'-6"	N	1
(2) SH 3050	6'-0" x 4'-11 1/4"	NN	1
SH 3030	2'-11 1/4" x 2'-11 1/4"	N	1
SH 3050	2'-11 1/4" x 4'-11 1/4"	N	3

**EMERGENCY EGRESS:**  
Every bedroom shall have not less than one outside window for emergency rescue that complies with the following:  
1. such windows shall be operable from the inside without the use of tools and shall provide a clear opening of not less than 20 inches in width, 24 inches in height, and 5.7 sq. ft. in area.  
2. the bottom of the opening shall not be more than 44 inches above the floor; and any latching device shall be capable of being operated from not more than 54 inches above the finished floor.  
3. the clear opening shall allow a rectangular solid, with a width and height that provides not less than the required 5.7 sq. ft. opening and depth not less than 20 inches, to pass fully through the opening.  
4. such windows shall be accessible by the fire department and shall open into an area having access to a public way.

**CONSTRUCTION DOCUMENTS:**  
THE CUSTOMER IS RESPONSIBLE FOR DELIVERING THE REQUIRED SETS OF CONSTRUCTION DOCUMENTS TO THE PERMIT ISSUING AUTHORITY FOR THE ISSUANCE OF CONSTRUCTION PERMITS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR REVIEWING THE PLANS AND VERIFYING ALL EXISTING CONDITIONS, ELEVATIONS, AND DIMENSIONS PRIOR TO COMMENCING CONSTRUCTION INCLUDING FABRICATION. ALL DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION.

**DO NOT SCALE THESE PLANS:**  
AMPLE DIMENSIONS ARE SHOWN ON THE PLANS TO LOCATE ALL ITEMS. SIMPLE ARITHMETIC MAY BE USED TO DETERMINE THE LOCATION OF THOSE ITEMS NOT DIMENSIONED.

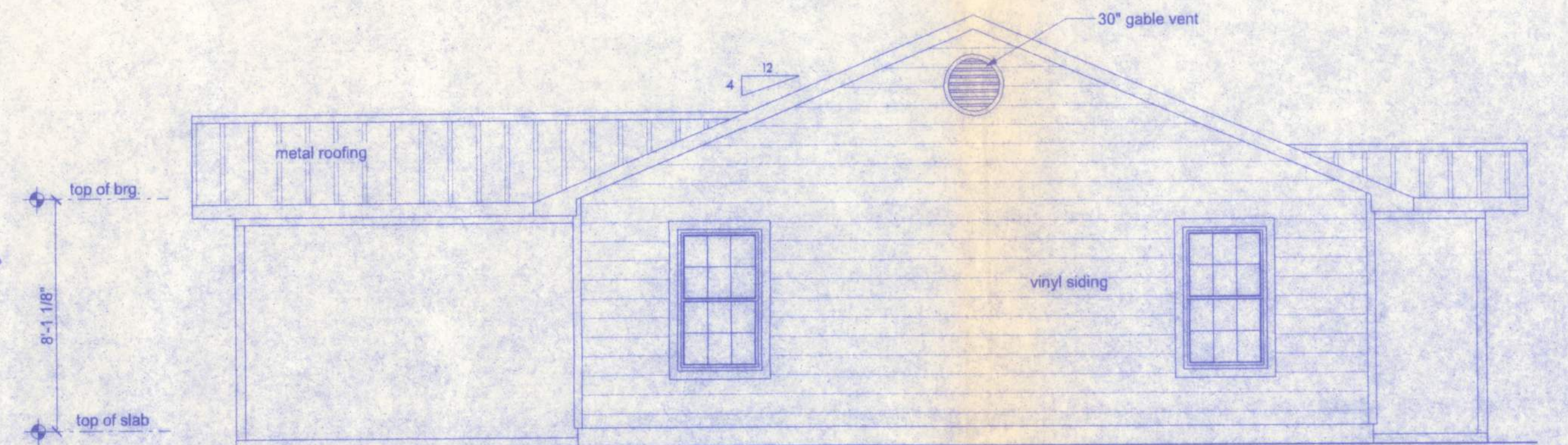
**CHANGES TO PLAN SETS:**  
PLEASE DO NOT MAKE ANY STRUCTURAL CHANGES TO THESE PLANS WITHOUT CONSULTING WITH THE ARCHITECT/ENGINEER. THE OWNER SHALL ASSUME ANY AND ALL LIABILITY FOR STRUCTURAL DAMAGE RESULTING FROM CHANGES MADE TO THE PLANS OR BY SUBSTITUTION OF MATERIALS DIFFERENT FROM SPECIFICATIONS ON THE PLANS.

**AREA SUMMARY**

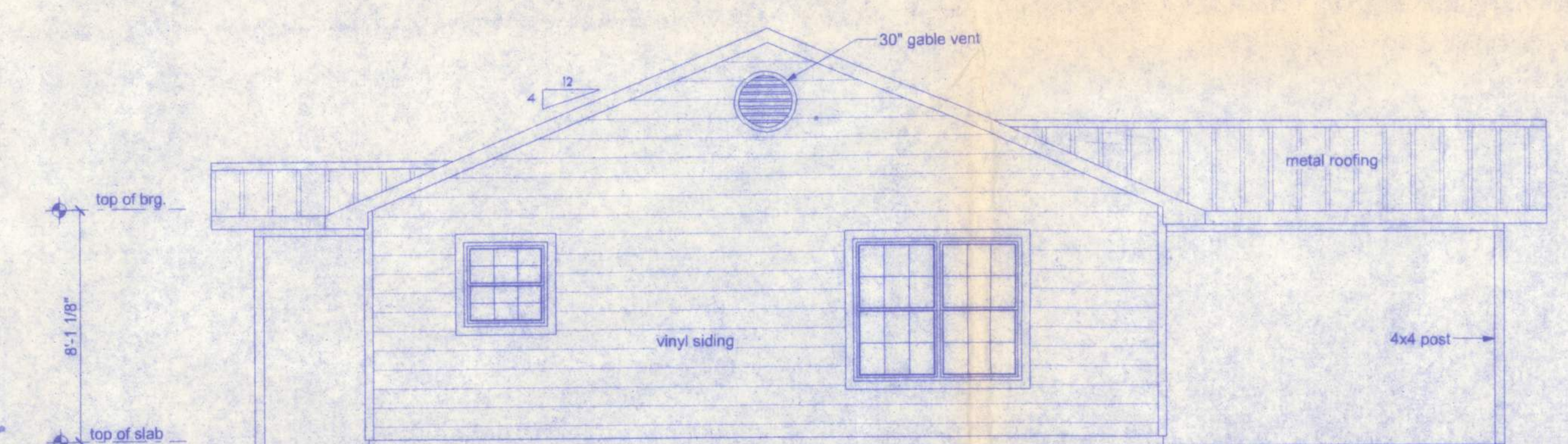
MAIN LIVING	1,008 SF
PORCHES	168 SF
TOTAL	1,176 SF



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



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



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

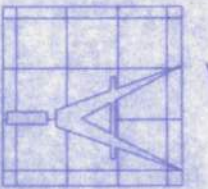


**REAR ELEVATION**  
SCALE: 1/4" = 1'-0"

12/23/11  
P.E. # 56201

**HOWELL RESIDENCE**

128 SW NASSAU STREET  
LAKE CITY, FL 32025  
(386) 758-4209



**Freeman**  
Design Group inc

DATE: 11/21/11  
DRAWN BY: W.H.F.  
APPROVED: W.H.F.

REVISIONS:  
SHEET: A-3  
OF: 8

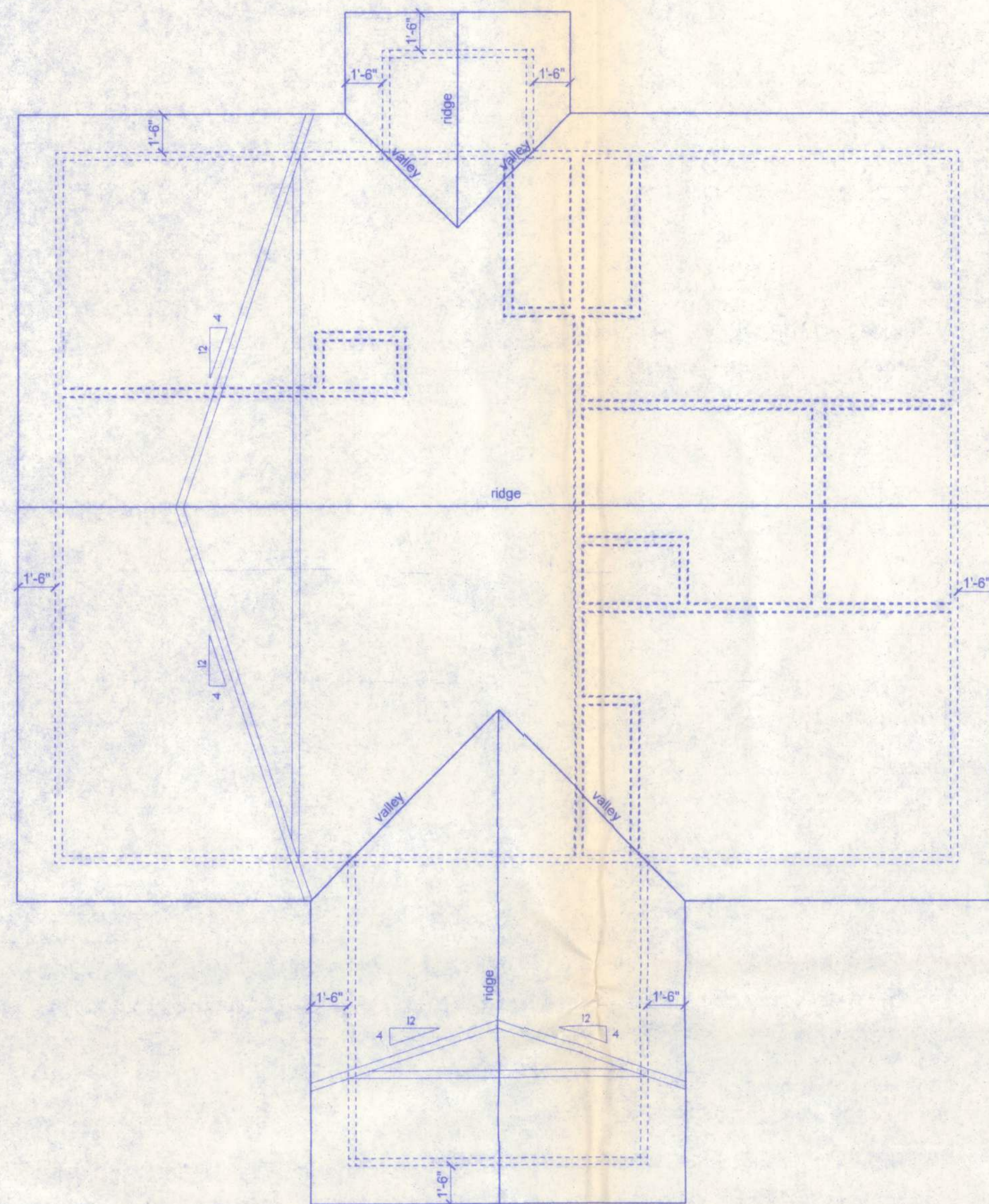
PROJECT NO.: 11.R044

CERTIFICATE OF AUTHORIZATION # 00008701

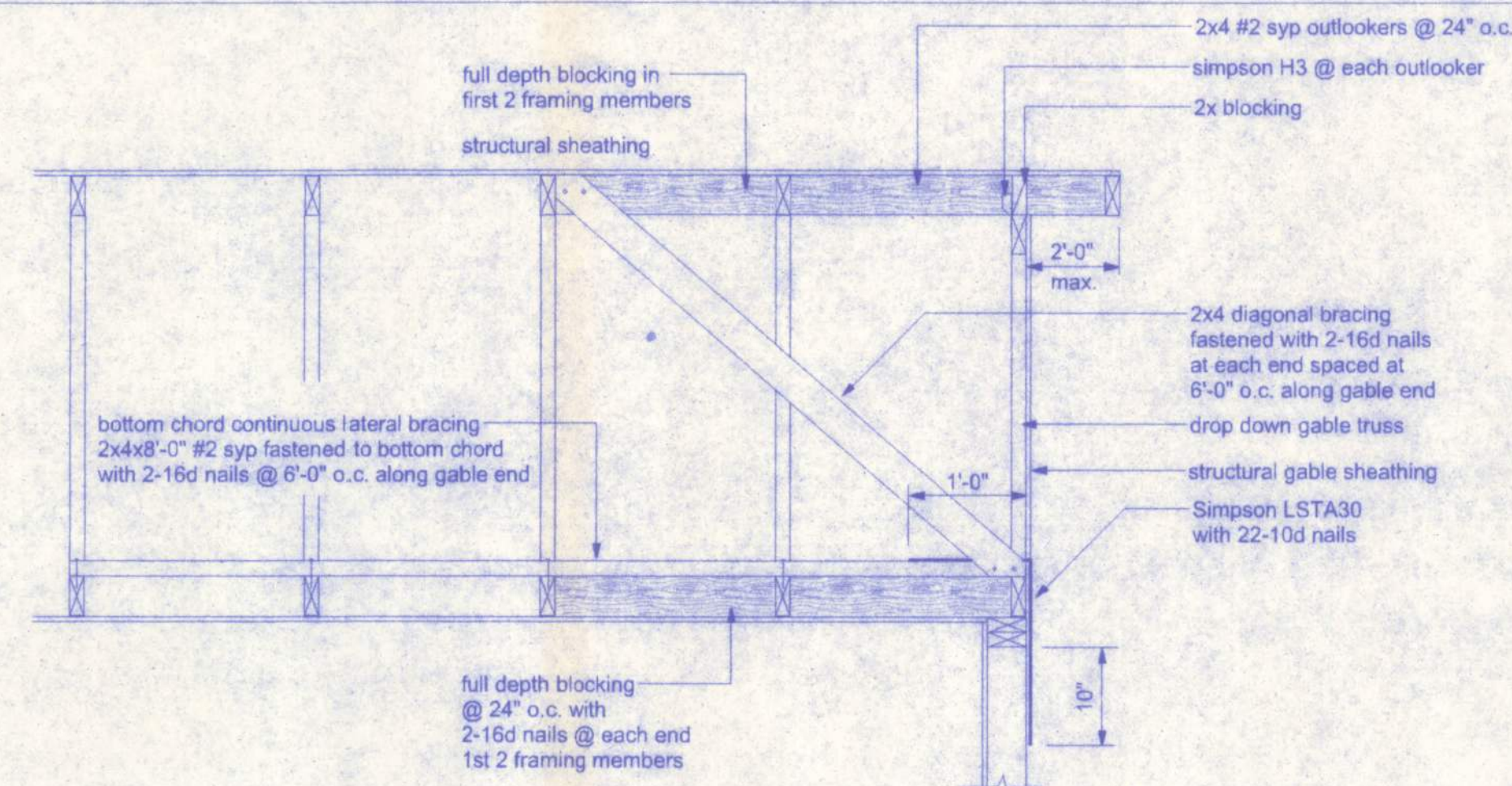








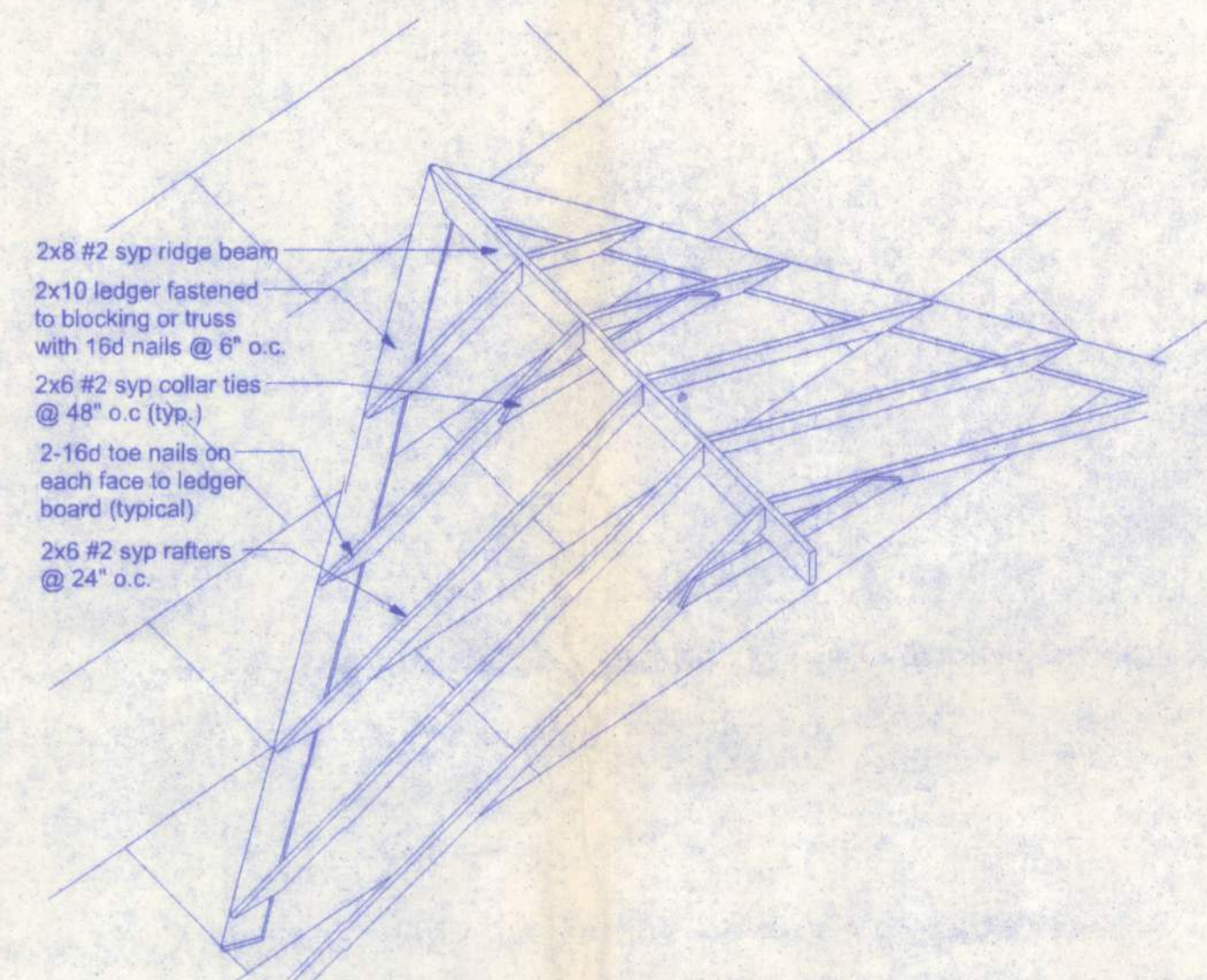
**ROOF PLAN**  
SCALE: 1/4" = 1'-0"



**END WALL BRACING FOR CEILING DIAPHRAGM**

NTS

NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

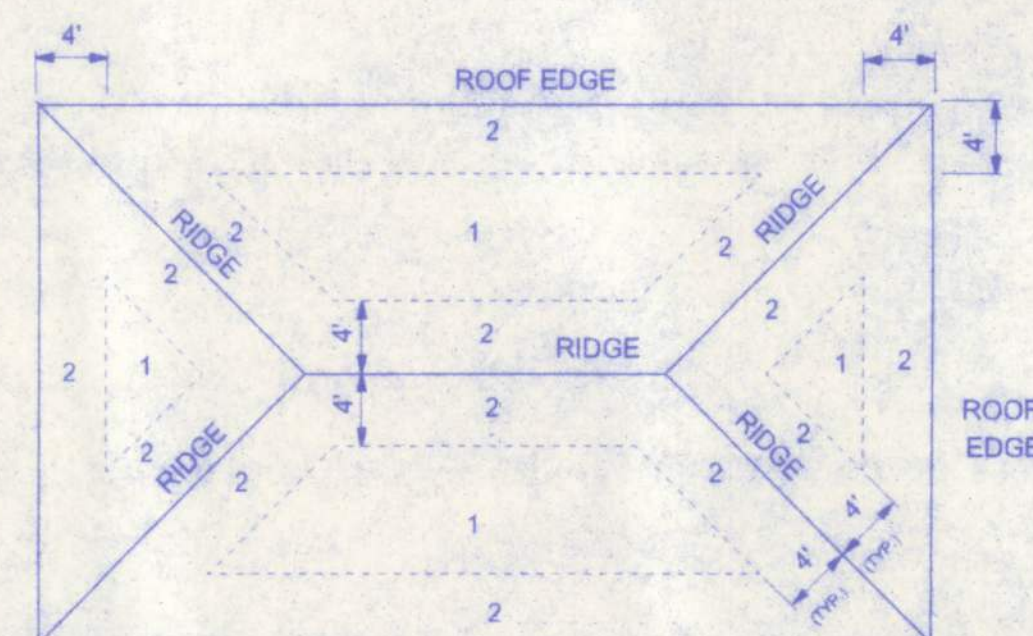


**ROOF INTERSECTION DETAIL**

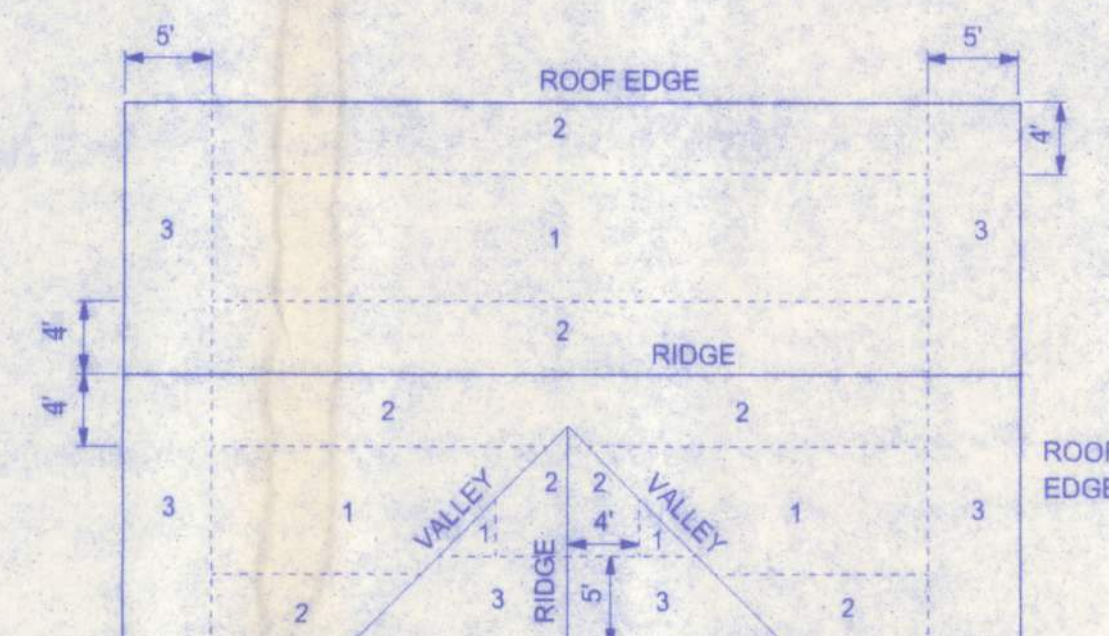
NTS

**ROOF SHEATHING FASTENINGS**

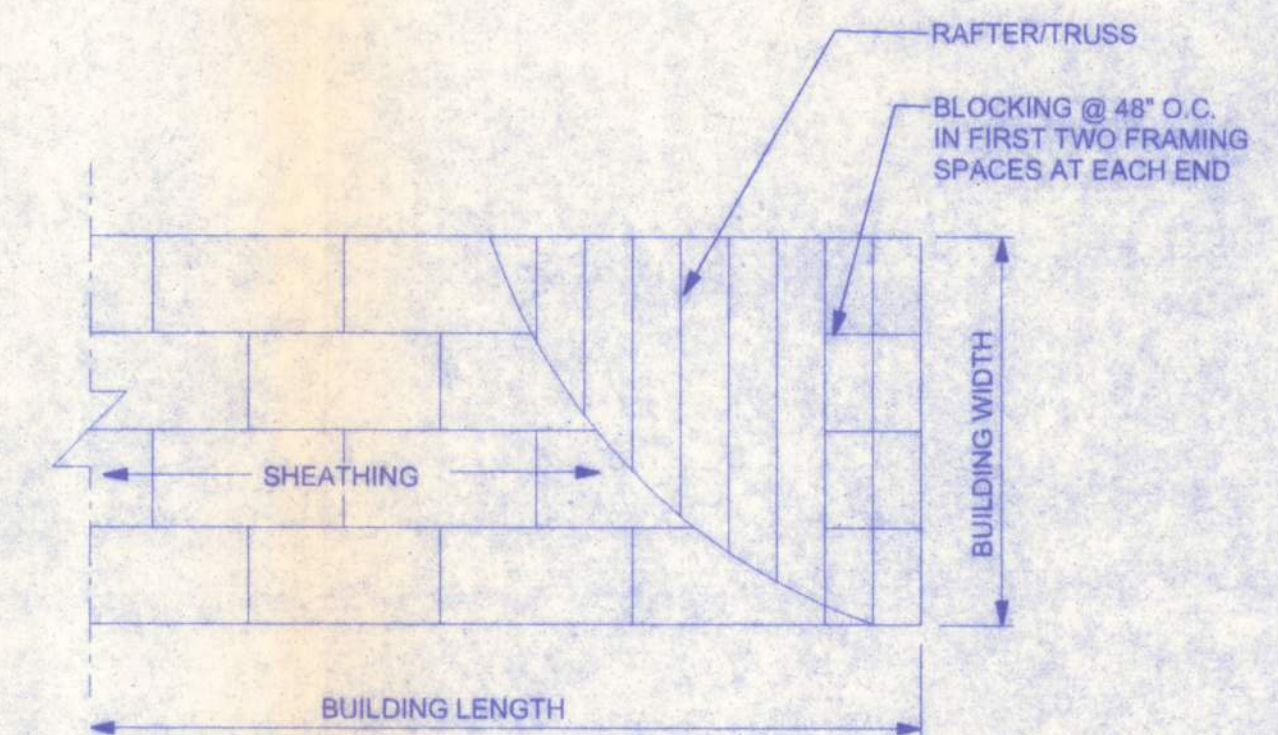
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1	15/32 cdx	8d ring shank hot dipped galvanized	6 in. o.c. EDGE
2			6 in. o.c. FIELD
3			6 in. o.c. EDGE
			6 in. o.c. FIELD



**ROOF SHEATHING NAILING ZONES (HIP ROOF)**



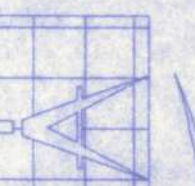
**ROOF SHEATHING NAILING ZONES (GABLE ROOF)**



**ROOF SHEATHING LAYOUT AND ENDWALL ROOF BRACING**

CONNECTOR SCHEDULE FOR TRUSS ANCHORAGE				
CONNECTOR	TRUSS	TOP PLATE	UPLIFT PROVIDED	MANUFACTURER
H2.5	5-8d NAILS	5-8d NAILS	365 LBS	SIMPSON
H10	8-8d NAILS	8-8d NAILS	850 LBS	SIMPSON
MTS12	7-10d NAILS	7-10d NAILS	1,000 LBS	SIMPSON
H16	2-10d NAILS	10-10d NAILS	1,300 LBS	SIMPSON
(2)HTS20	10-10d NAILS	10-10d NAILS	2 x 1,450 = 2,900 LBS	SIMPSON

128 SW NASSAU STREET  
LAKE CITY, FL 32025  
(386)758-4209



**Freeman**  
Design Group

DATE  
11/21/11

DRAWN BY  
W.H.F.

APPROVED  
W.H.F.

REVISIONS

SHEET A-5

OF 8

PROJECT NO.  
11.R044

**HOWELL RESIDENCE**

CERTIFICATE OF AUTHORIZATION # 00008701

William H. Freeman  
12/13/11  
P.E. # 96001



12/23/11  
P.E. # 56801

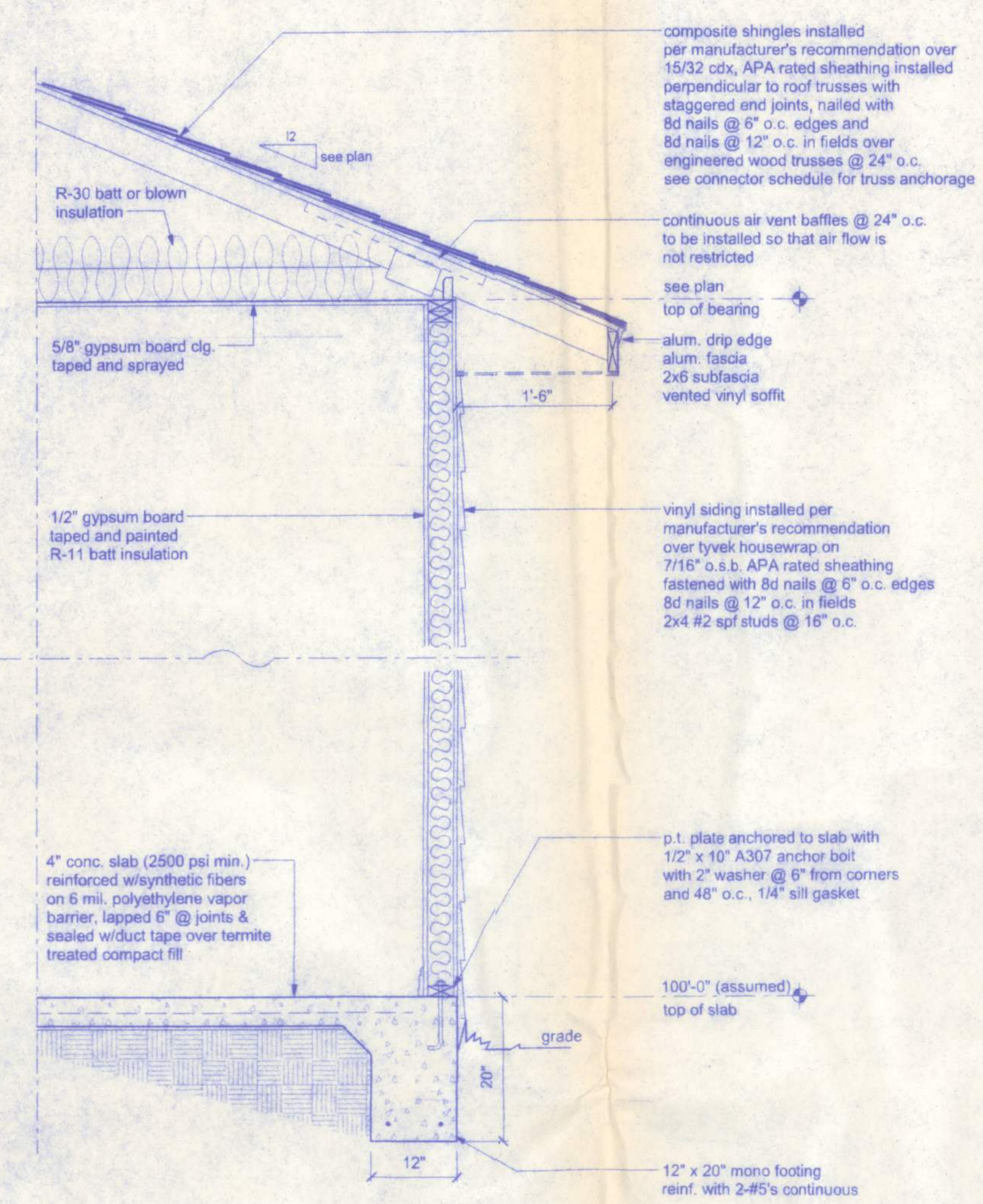
# HOWELL RESIDENCE

128 SW NASSAU STREET  
LAKE CITY, FL 32025  
(386)758-4209

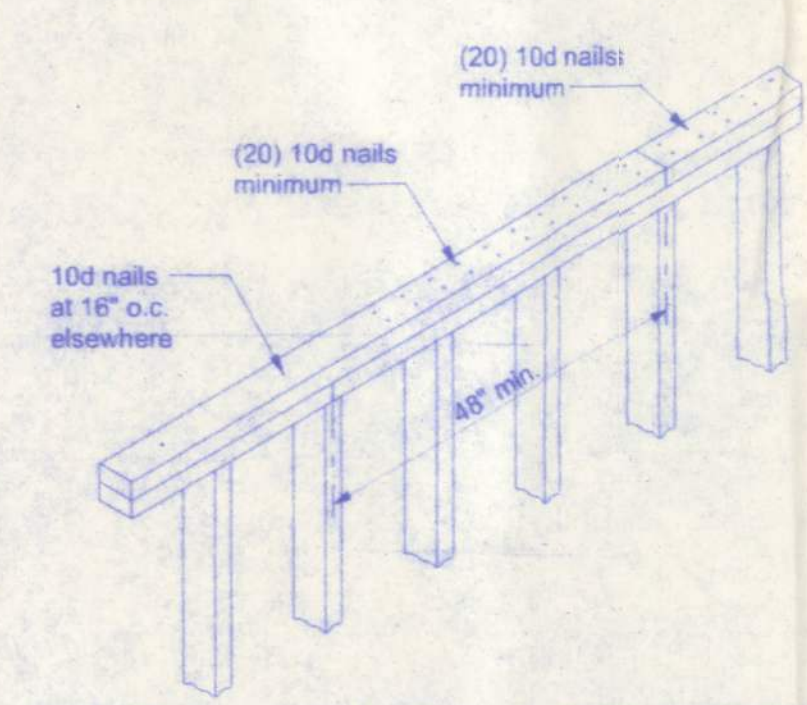


CERTIFICATE OF AUTHORIZATION # 00008701

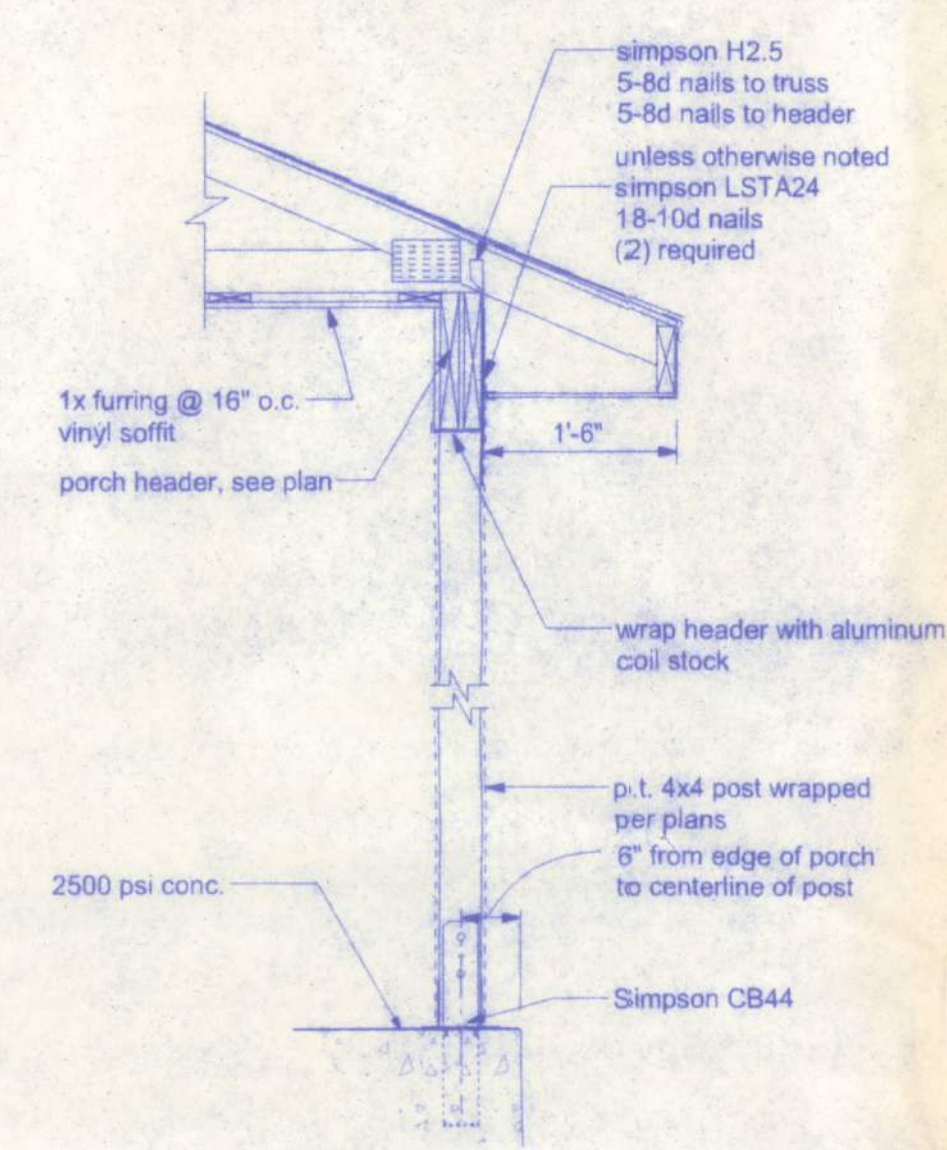
DATE	DRAWN BY
11/21/11	W.H.F.
	APPROVED
	W.H.F.
REVISIONS	
SHEET	A-6
OF	8
PROJECT NO.	11.R044



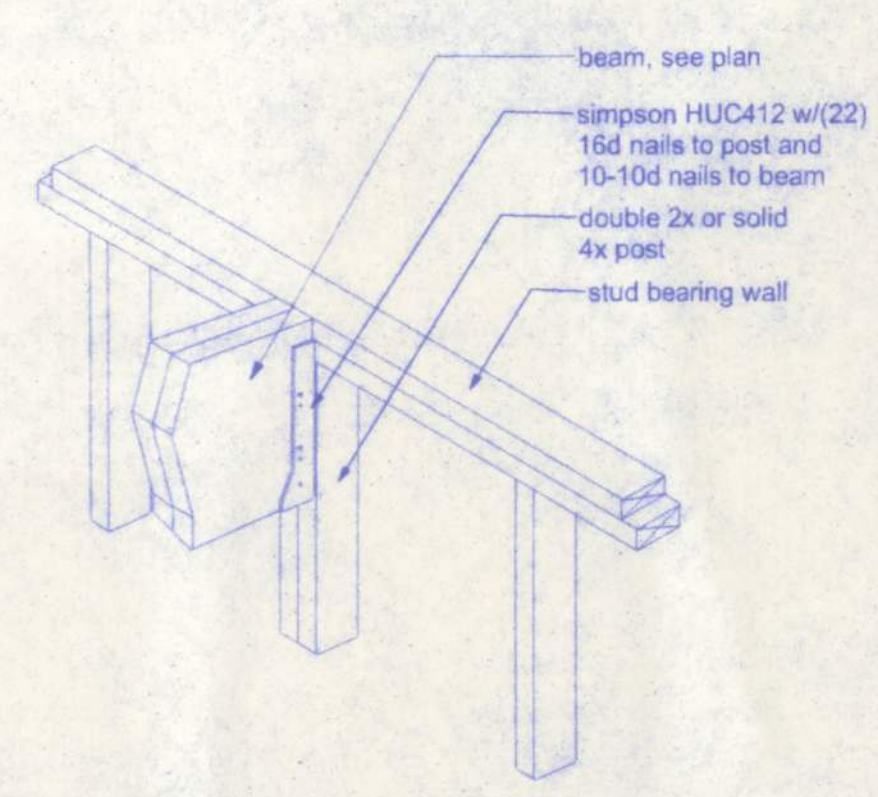
**TYPICAL WALL SECTION**  
SCALE: 3/4" = 1'-0"



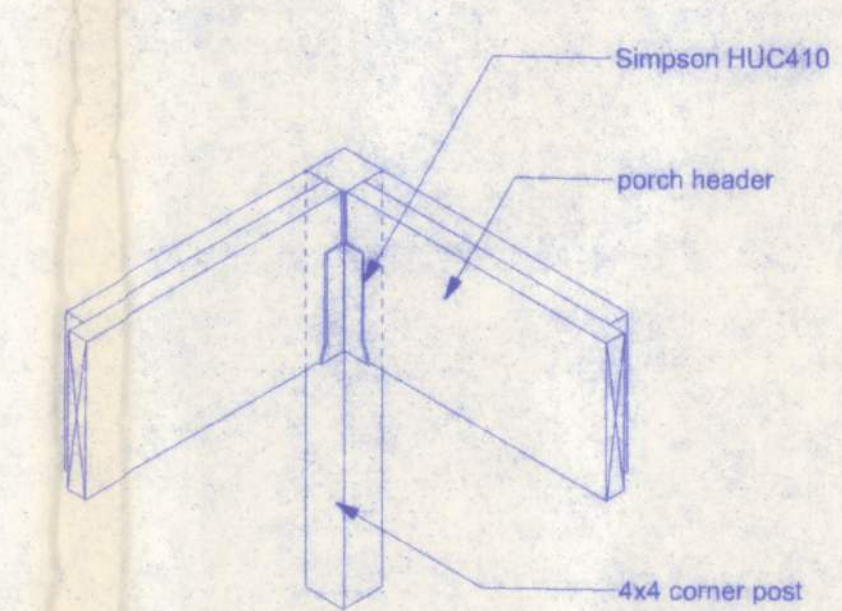
**TOP PLATE SPLICE DETAILS**  
SCALE: 1/2" = 1'-0"



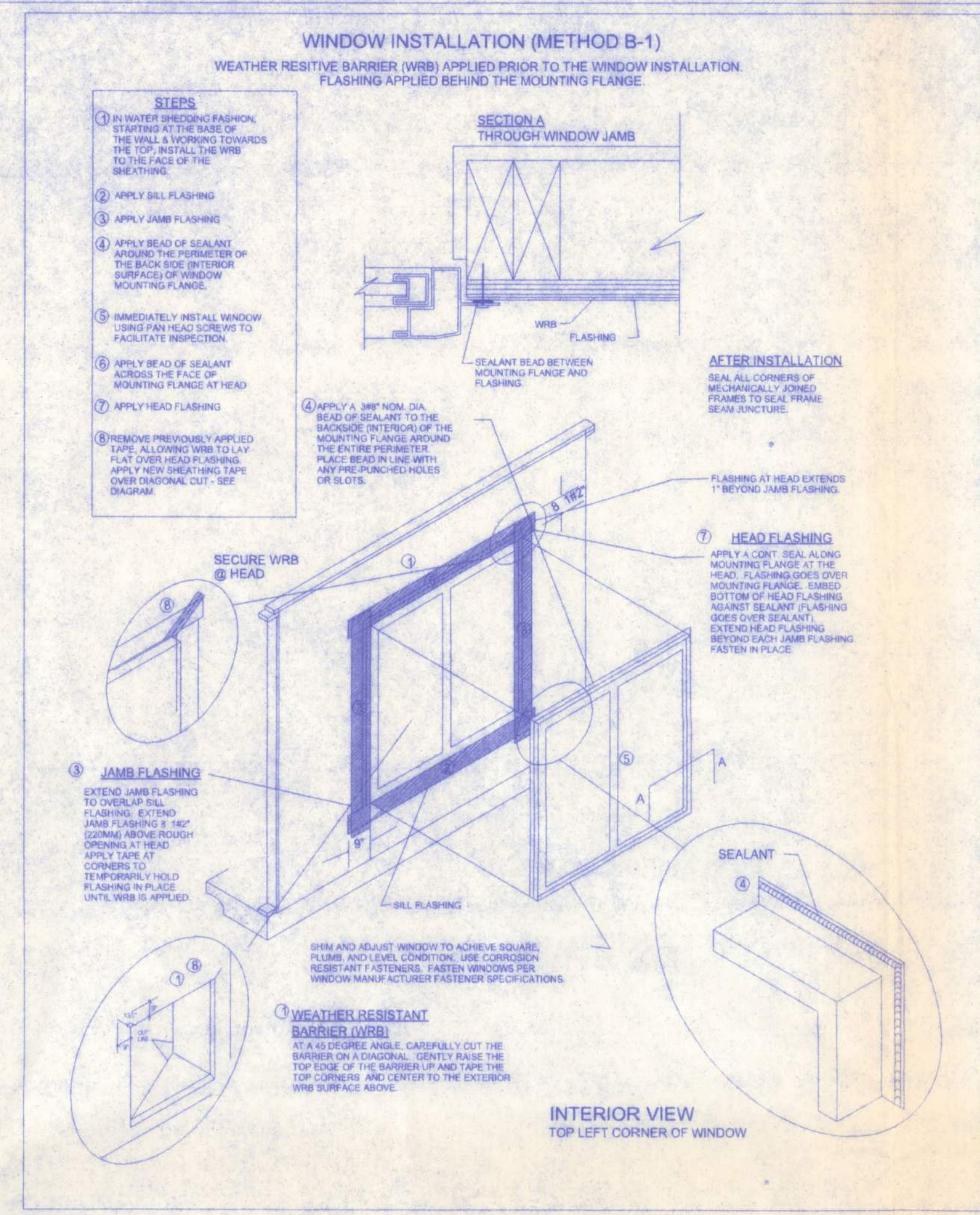
**PORCH SECTION**  
SCALE: 3/4" = 1'-0"



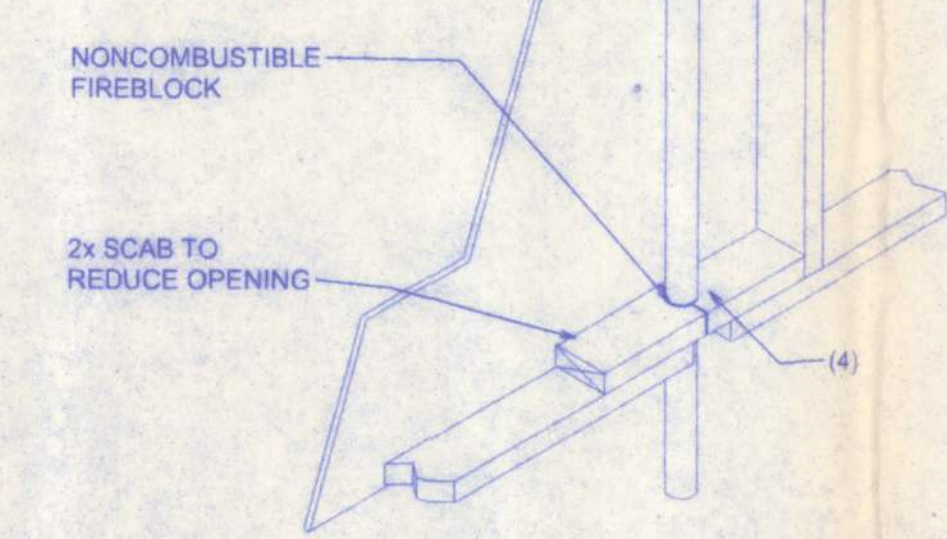
**BEAM/WALL CONNECTION**  
MAX. CAPACITY - 3640# DOWN, 1810# UPLIFT NOT TO SCALE



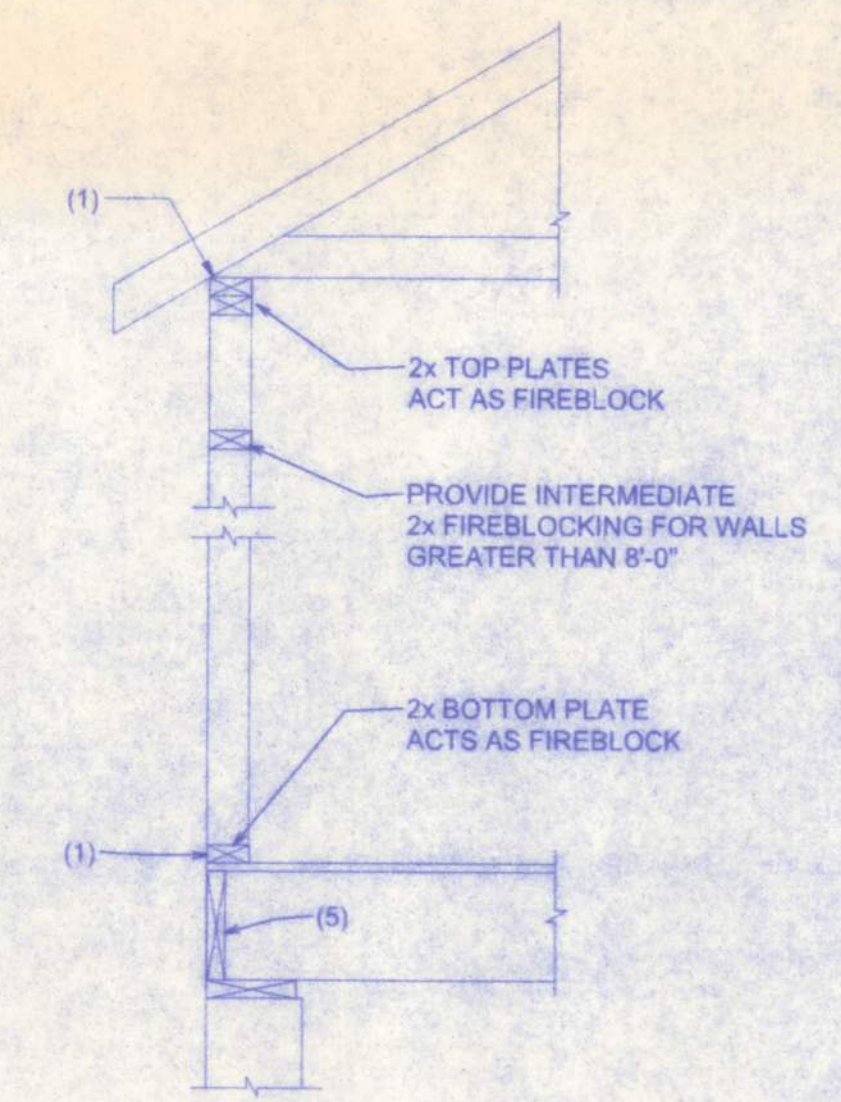
**CORNER POST**  
NTS



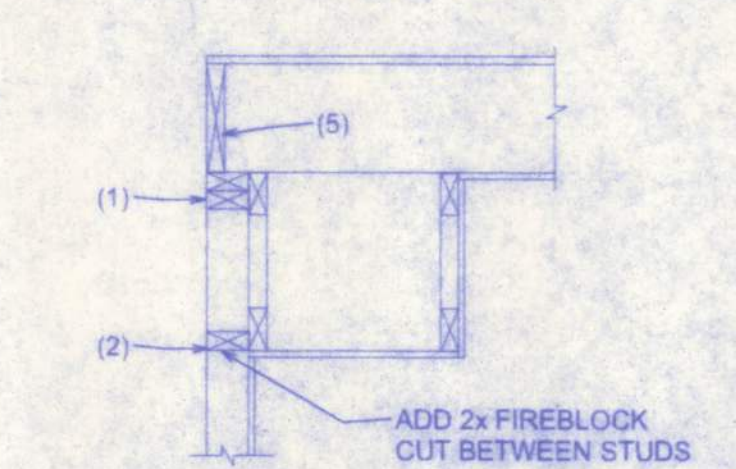
- FIREBLOCKING NOTES:**
- FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:
1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS.
  2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.
  3. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN.
  4. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH PYROPANEL MULTIFLEX SEALANT.
  5. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS. FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.



**PENETRATIONS**



**PLATFORM FRAMING**

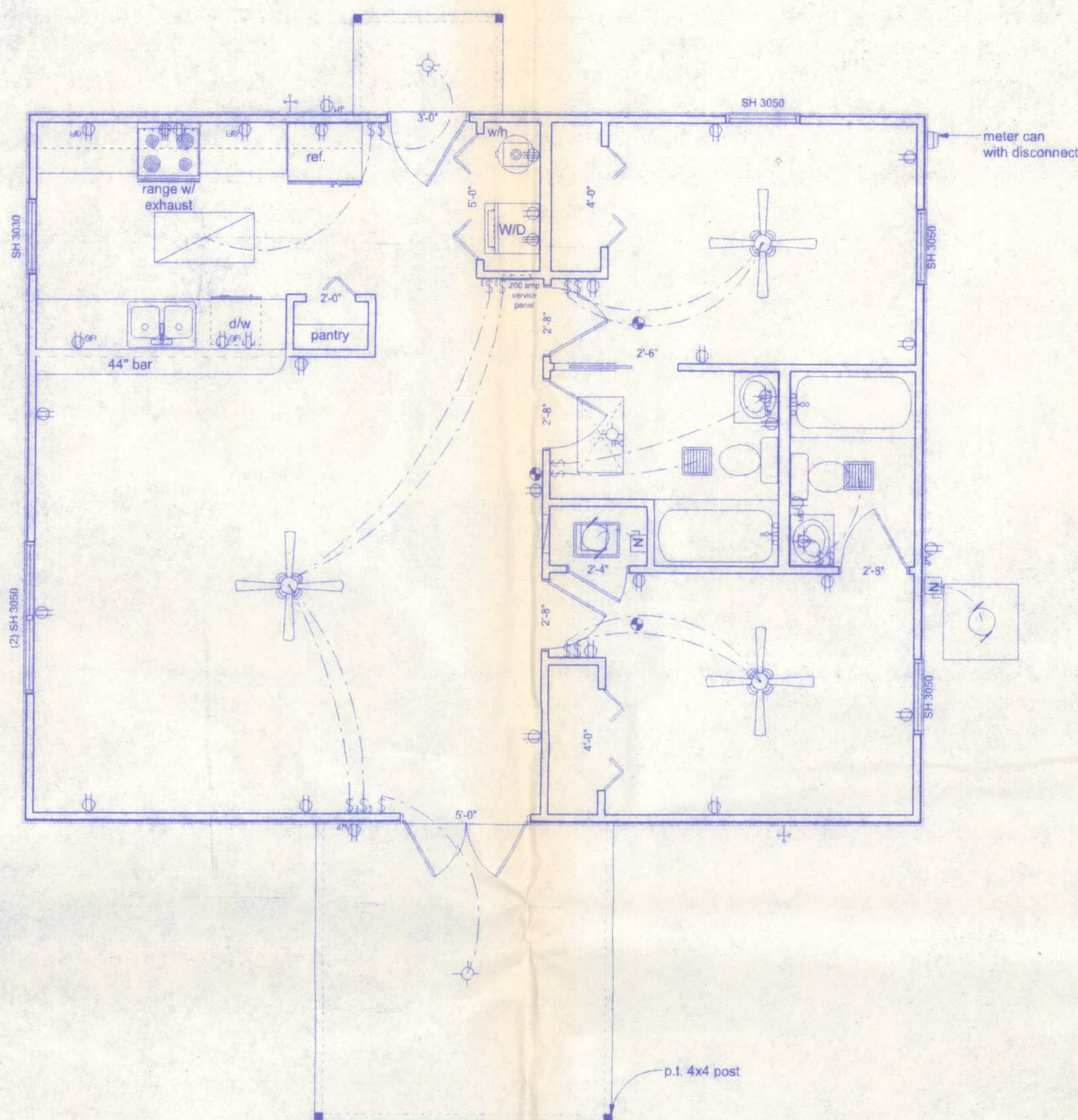


**SOFFIT/DROPPED CLG.**



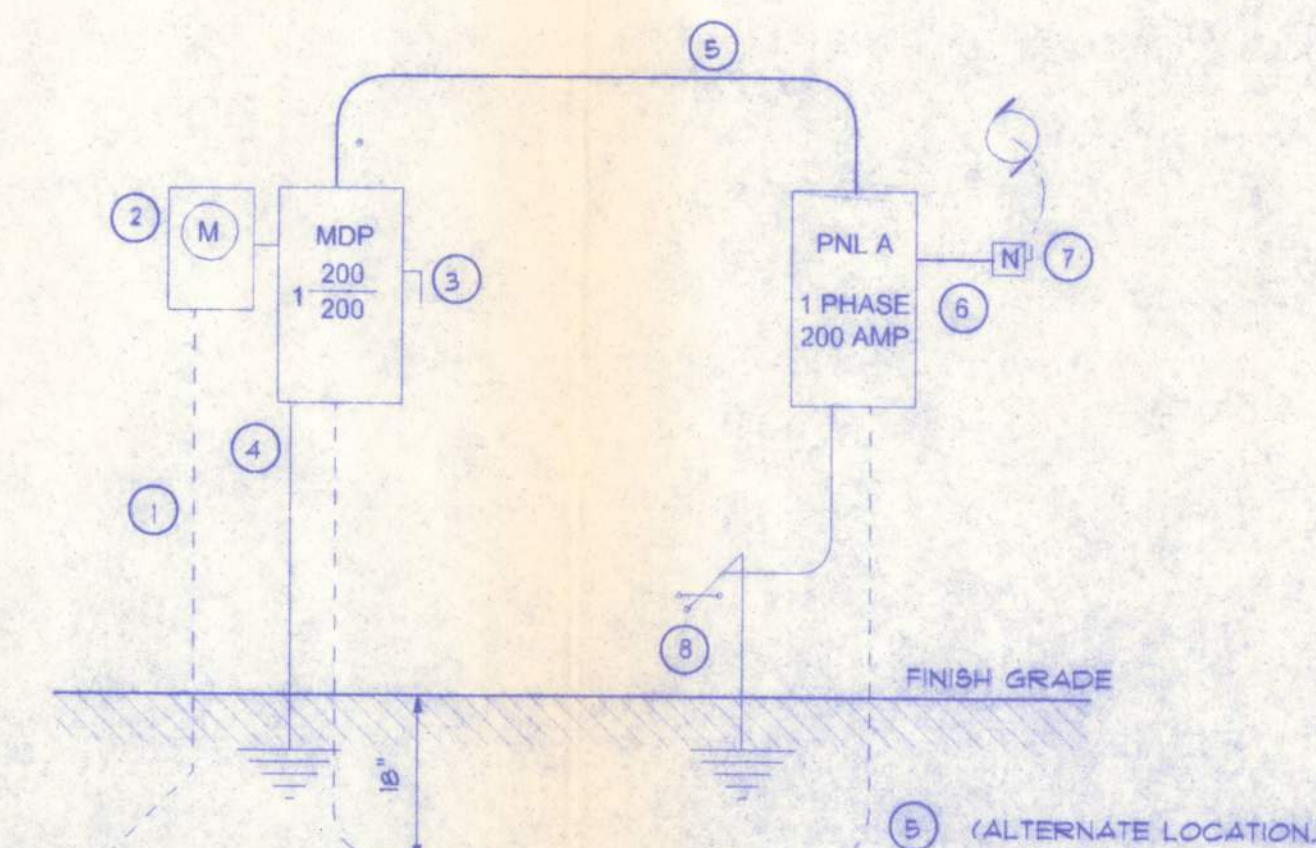






**ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"

ELECTRICAL	COUNT	SYMBOL
ceiling fan spotlight	3	
fluorescent light 2 x 4	1	
electrical meter	1	
electrical panel	1	
motor	2	
non fused disconnect	2	
50 cfm exhaust fan	2	
light	4	
outlet	20	
outlet 220v	3	
outlet gfi	6	
outlet w/gfi	3	
pull chain light	1	
smoke/CO2 detector	3	
switch	11	
switch 3 way	4	



- 1 Service/Feeder Entrance Conductors: 2 1/2" rigid conduit, min 18" deep, w. continuous ground bonding conductor. Service/Entrance Conductors shall not be spliced except that bolted connections at the Meter, Disconnecting Devices and Panel shall be allowed.
- 2 Existing Meter Enclosure, weatherproof, U.L. Listed.
- 3 Main Disconnect Switch: fused or Main Breaker, weatherproof, U.L. Listed.
- 4 Service entrance ground: 5/8" diameter iron/steel rod x 8'-0" long and/or concrete encased foundation steel rebar x 20'-0" long. Grounding conductor shall be bonded to each piece of Service/Entrance Equipment, and shall be sized per Item #5 below.
- 5 200 Ampere Feeder: 3-3/0-THW-Cu, 1-#2-Cu-GND, 2 1/2" Conduit.
- 6 House Panel (PNL), U.L. Listed, sized per schedule.
- 7 Equipment Disconnect Switch: non-fused, in weather proof enclosure, size according to Panel Schedule loads.
- 8 Provide Ground Bond Wire to metal piping, size in accordance with the Service Ground Conductor.

**NOTE:**  
all 120 volt, single phase, 15 and 20 ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunroom, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed arc-fault circuit interrupter, combination type, installed to provide protection of the branch circuits.

#### 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.

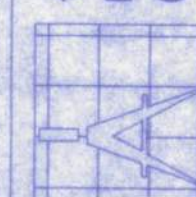
INSTALLATION SHALL BE PER NAT'L. ELECTRIC CODE.

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 PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADD'NS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT Nr., DESCRIPTION & BRKR. SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS. CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

128 SW NASSAU STREET  
LAKE CITY, FL 32025  
(386)788-4209



**Freeman**  
Design Group Inc.

DATE  
11/21/11  
DRAWN BY  
W.H.F.  
APPROVED  
W.H.F.

REVISIONS

SHEET  
A-8

OF  
8

PROJECT NO.  
11.R044

HOWELL RESIDENCE

W.H.F.  
12/23/11  
P.E. #5805

CERTIFICATE OF AUTHORIZATION # 00008711