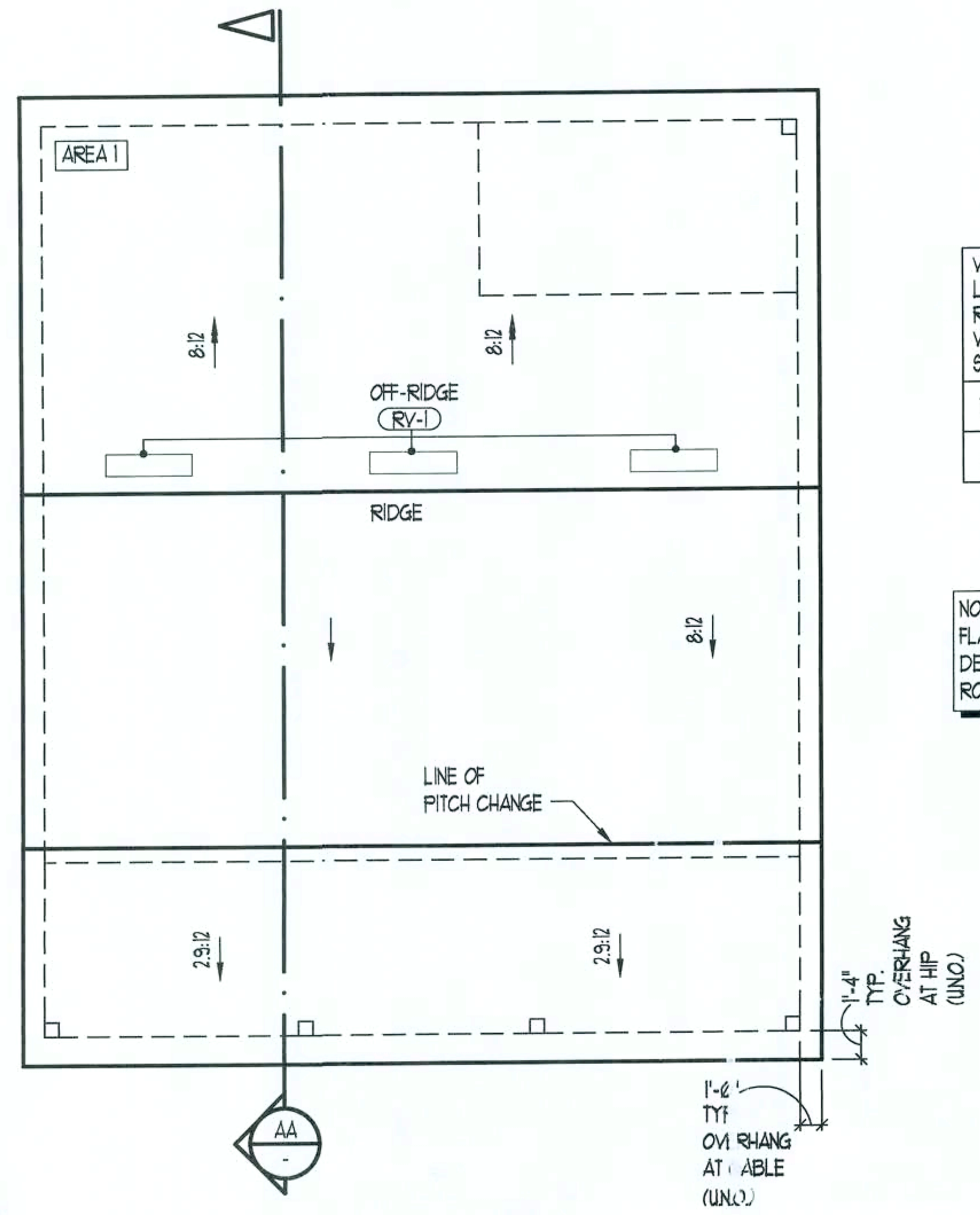


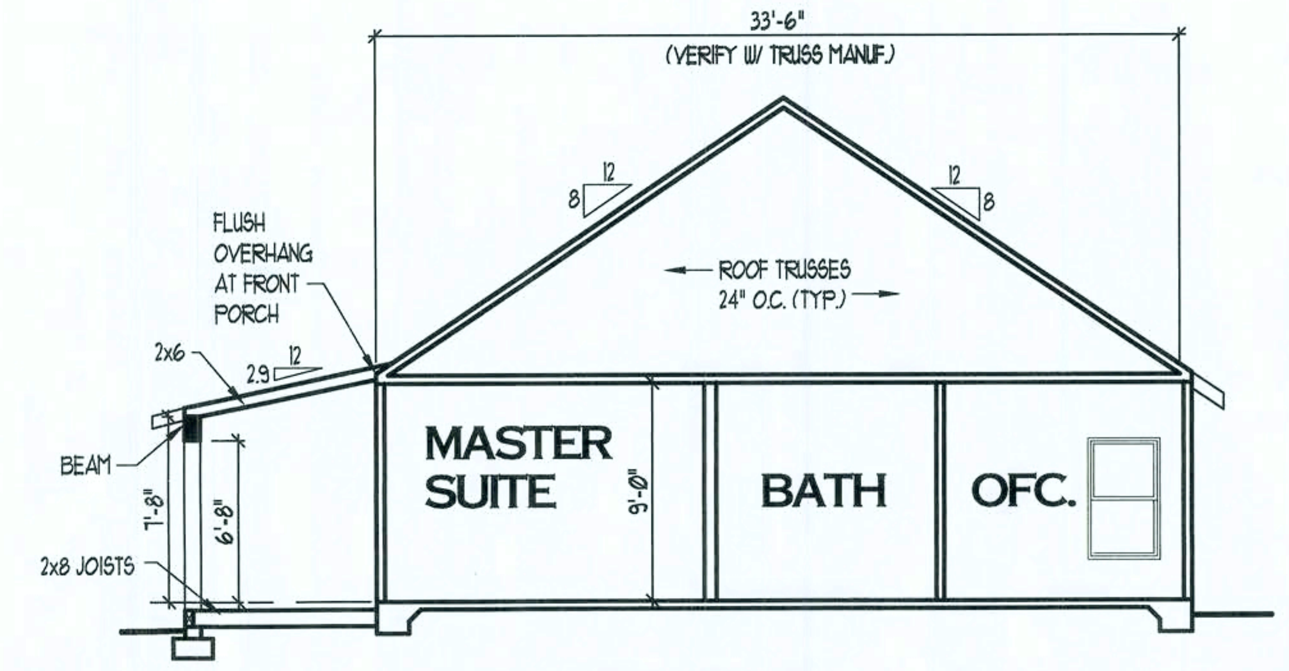
ROOF PLAN

SCALE: 1/8" = 1'-0"

ROOF VENT SCHEDULE (FBC R806)

VERIFY WITH GENERAL CONTRACTOR ALL ROOF VENT LOCATIONS, QUANTITIES AND SIZES. ROOF VENTS SHALL BE INSTALLED FOR A MINIMUM OF VENTED AREA AS LISTED BELOW OR EQUIVALENT SYSTEM			
MARK	LOCATION	OFF RIDGE VENTS (SQ. IN.)	SOFFIT VENT (SQ. IN.)
RV 1	AREA 1	726	726

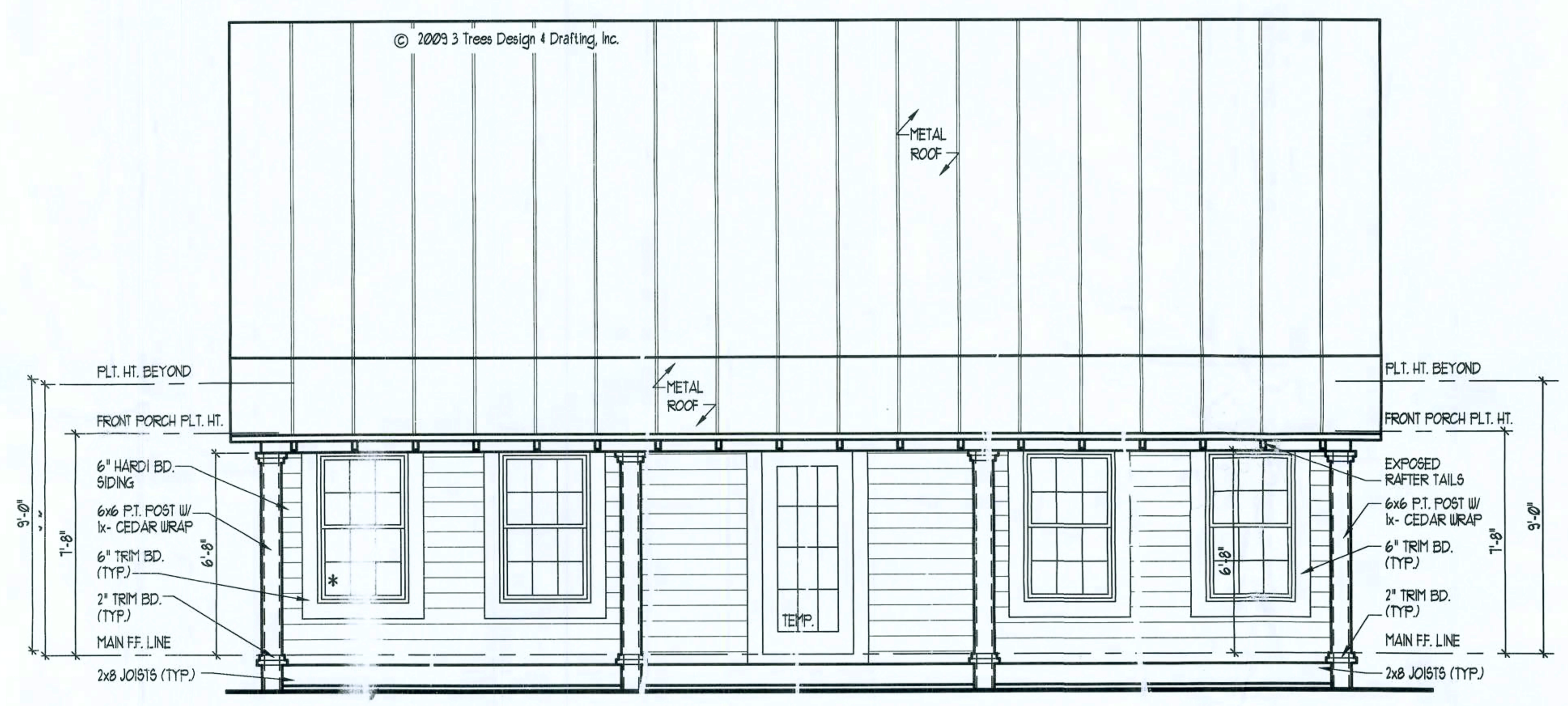
NOTE:
FLASHING SHALL BE INSTALLED AT WALL AND ROOF INTERSECTIONS, DECK AND WALL INTERSECTIONS, AT GUTTERS, AT ALL CHANGES IN ROOF SLOPE OR DIRECTION, AND AROUND ROOF OPENINGS.



SECTION AA

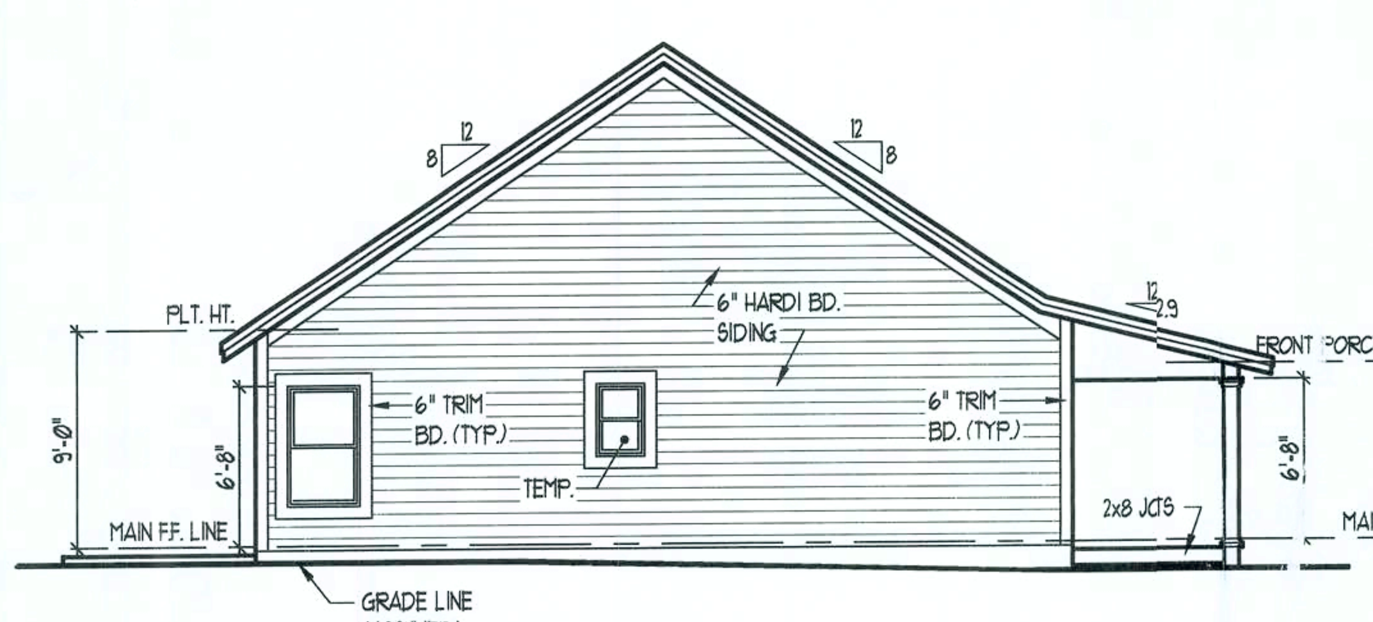
SCALE: 1/8" = 1'-0"

* * * * * *
EGRESS NOTE:
EACH BEDROOM MUST HAVE ONE WINDOW THAT COMPLIES WITH EGRESS CODES, IF THERE IS NO ACCESS TO EXTERIOR THROUGH A DOOR THE WINDOW MUST HAVE A MAXIMUM OPENING HEIGHT OF 44" ABOVE FINISH FLOOR LINE OF THAT PARTICULAR ROOM
* * * * * *



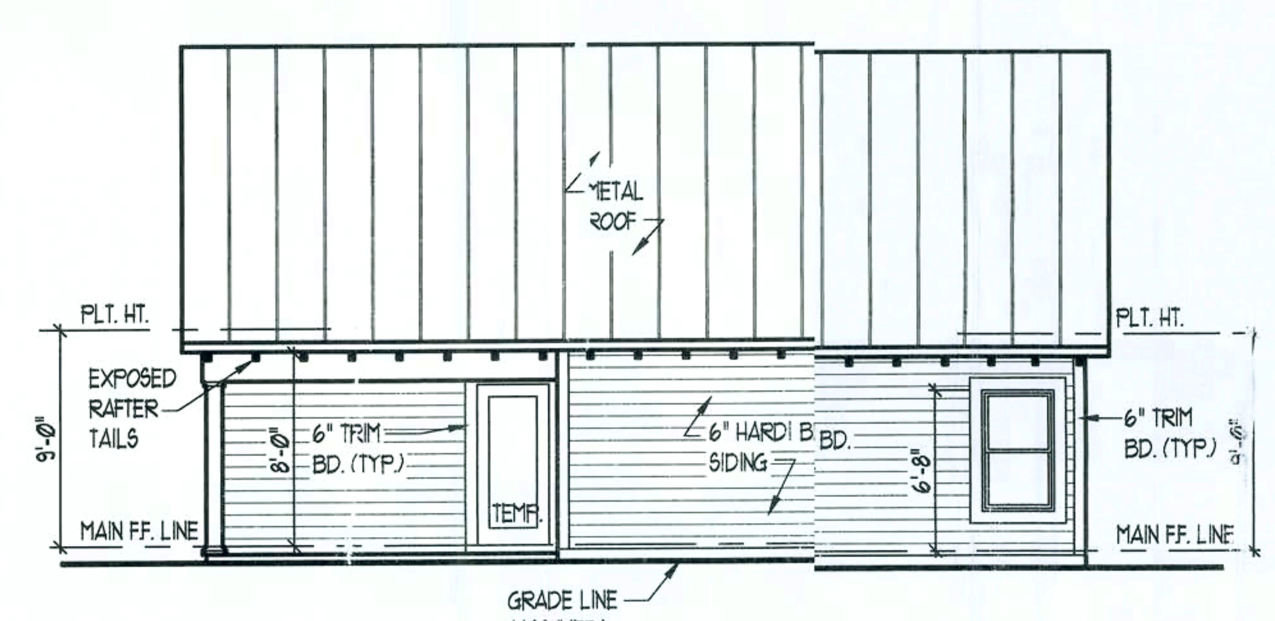
FRONT ELEVATION

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



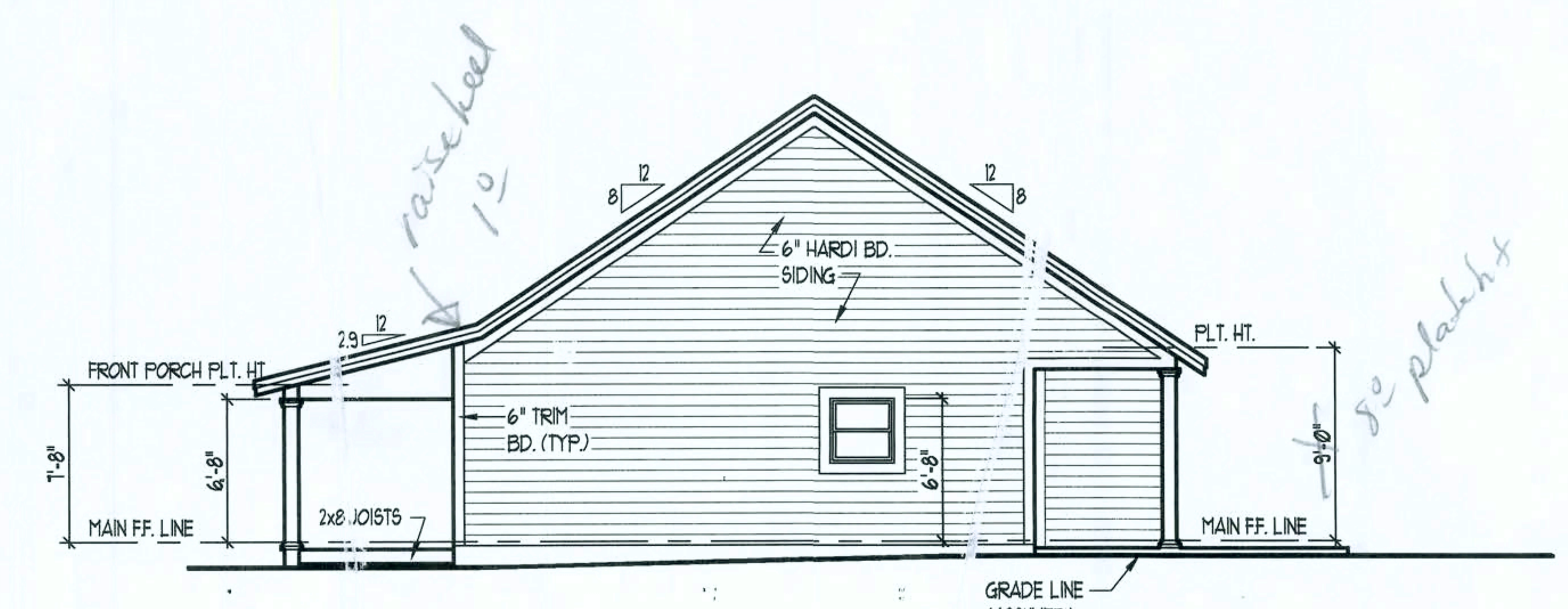
LEFT ELEVATION

SCALE: 1/8" = 1'-0"



REAR ELEVATION

SCALE: 1/8" = 1'-0"



RIGHT ELEVATION

SCALE: 1/8" = 1'-0"

NOTE: DRAWINGS ON 11"x17" SHEET WILL BE ONE HALF THE SCALE NOTED

DESIGN GROUP ARCHITECTURE, INC.
FL. AA26001259
EST. 2006
150 STATE STREET EAST
OLDSMAR, FL 34677
ADRIAN THEO, R.A.
813 . 925 . 1600 TEL
813 . 925 . 1800 FAX
FLA. REG. NO. AR0013417

JOB NUMBER	3203
CAD FILE	1107FL
ISSUED	04-07-09
REVISED	

3 TREES
DESIGN AND DRAFTING, INC.
303.688.1142 ph
303.688.1205 fax
3TREESDRAFTING@COMCAST.NET

HARRIS-SHEPHERD
FT. WHITE, FL

NOTE: IT IS THE CONTRACTORS RESPONSIBILITY TO REVIEW ALL DRAWINGS BEFORE CONSTRUCTION BEGINS. THE ARCHITECT OF RECORD IS RESPONSIBLE FOR THE STRUCTURAL INTEGRITY OF THIS PROJECT ONLY. ANY DISCREPANCY BETWEEN FIELD CONDITIONS, OTHER DESIGN PROFESSIONALS' SHOP DRAWINGS, CONTRACTORS' BUILDING METHODS, AND THESE SIGNED AND SEALED DRAWINGS MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OF RECORD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO START OF ANY CONSTRUCTION.

To the best of the architect's knowledge, the plans and specifications comply with the minimum requirements of The Florida Building Code - Residential Section R301(2007 edition)

Plans and specifications comply with the Florida building code, section 1609 for 110 mph wind zone (2007 edition)

This drawing is valid for 12 months after the date it is signed and sealed or until the requirements of the Florida Building Code (2007 edition) is changed.

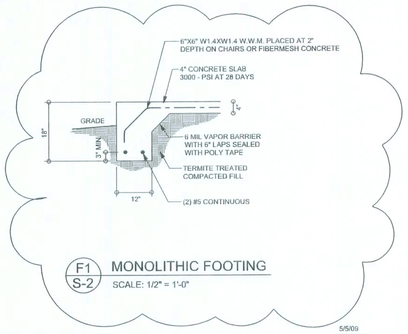
This drawing is signed and sealed for the structural and life safety portions of the drawing only. Electrical, Plumbing or Mechanical details, if shown, are for visual reference only and are not covered under this seal.

Adrian Theo
4-8-09

1107

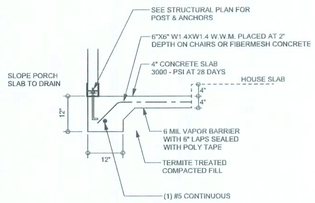
TITLE
ELEVATIONS
ROOF PLAN
BUILDING SECTION

SHEET
3

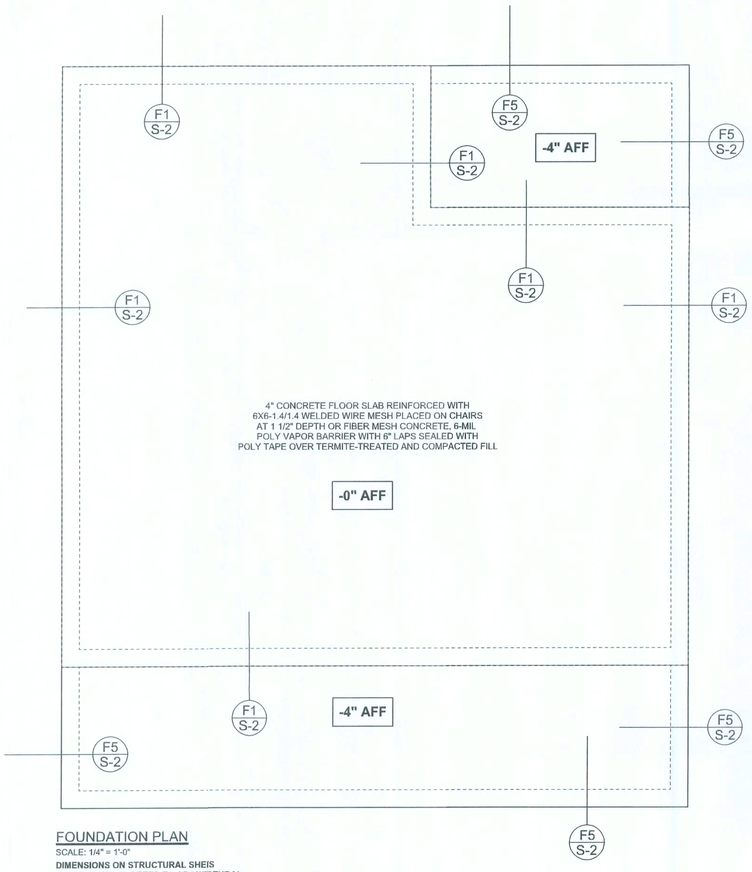


F1 S-2 MONOLITHIC FOOTING
SCALE: 1/2" = 1'-0"

5/5/09

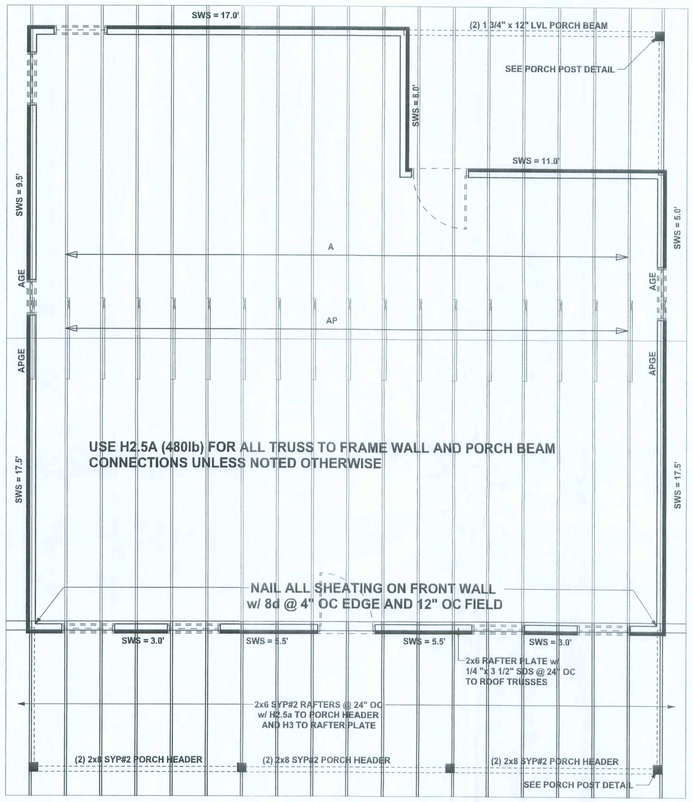


F5 S-2 PORCH FOOTING
SCALE: 1/2" = 1'-0"



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

DIMENSIONS ON STRUCTURAL SHEIS ARE NOT EXACT. REFER TO ARCHICTURAL FLOOR PLAN FOR ACTUAL DIMENSNS



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

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. ANDERSON TRUSS CO. JOB # 9-097

STRUCTURAL PLAN NOTES

SNN-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X10 SYP #2 (U.N.O.)

SNN-2 ALL LOAD BEARING FRAME WALL HEADERS SHALL HAVE (1) JACK STUD & (1) KING STUD EACH SIDE (U.N.O.)

SNN-3 DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS

SNN-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

WALL LEGEND

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

HEADER LEGEND

(2) 2X12X0',1J 1K — HEADER/BEAM CALL-OUT (U.N.O.)
NUMBER OF KING STUDS (FULL LENGTH)
NUMBER OF JACK STUDS (UNDER HEADER)
SPAN OF HEADER
SIZE OF HEADER MATERIAL
NUMBER OF PLIES IN HEADER

TOTAL SHEAR WALL SEGMENTS

INDICATES SHEAR WALL SEGMENTS

	REQUIRED	ACTUAL
TRANSVERSE	44.1'	57.5'
LONGITUDINAL	30.4'	45.0'

REVISIONS	
05May09	

SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE

WINDLOAD ENGINEER: Mark Disosway, PE No.53915, PO 868, Lake City, FL 32056, 386-754-519

DIMENSIONS: Stated dimensions supercede scaled dimensions. Refeall questions to Mark Disosway, FE. for resolution. Do not proceed whout clarification.

CERTIFICATION I hereby certify that I have examined this pla, and that the applicable portions of the pla, relating to wind engineering comply with sectin R301.2.1, florida building code residential 207, to the best of my knowledge

LIMITATION: Thisdesign is valid for one building, at specifid location

MAK DISOSWAY
*E. 53915
03 MAY 09
SEAL

Jeff Swanson

Harris-Shepherd Residence

ADDRESS:
Ft. White, Florida

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

PRINTED DATE: May 05, 2009

DRAWN BY:	STRUCTURAL BY: Evan Beamsley

FINALS DATE 28Apr09	

JOBNUMBER: 04272

DRAWING NUMBER
S-2
Of 2 SHEETS

PRODUCT	SUB-CATEGORY	MANUFACTURER	FL. APPROVAL #
WINDOWS	VINYL SINGLE HUNG	PELLA CORPORATION	FL11206-R0
EXTERIOR DOORS	3/0X6/8 GLAZED HINGED DOORS STEEL)	THERMA-TRU CORP.	NOA 06-0501.02
ROOFING	METAL ROOFING PANELS	McELROY METAL, INC.	NOA 08-0225.03
STRUCT. COMP.	EXTERIOR SIDING	JAMES HARDEE BLDG. PRODUCT, INC.	NOA 07-0418.04
STRUCT. COMP.	WOOD CONNECTORS	SIMPSON STRONG-TIE CB66	FL 11487
STRUCT. COMP.	WOOD CONNECTORS	SIMPSON STRONG-TIE CCQSDS2.5	FL 10860
STRUCT. COMP.	WOOD CONNECTORS	SIMPSON STRONG-TIE H10A	FL 11487
STRUCT. COMP.	WOOD CONNECTORS	SIMPSON STRONG-TIE HTS	FL 10456
STRUCT. COMP.	WOOD CONNECTORS	SIMPSON STRONG-TIE HUS212-2TF	FL 10655
STRUCT. COMP.	WOOD CONNECTORS	SIMPSON STRONG-TIE LUS28	FL 10655
STRUCT. COMP.	WOOD CONNECTORS	SIMPSON STRONG-TIE GLTV	FL 10667
STRUCT. COMP.	WOOD CONNECTORS	SIMPSON STRONG-TIE LTT/HTT	FL 11496
STRUCT. COMP.	WOOD CONNECTORS	SIMPSON STRONG-TIE LSTA24	FL 10852

EXTERIOR DOOR & WINDOW SCHEDULE - DADE COUNTY APPRO'ED

MARK	LOCATION	CALL NAME	MANUFACTURER	SIZE WIDTH	SIZE HEIGHT	MATERIAL / TYPE	REMARKS
W1	MASTER BD.	SH 3050		36"	60"	VINYL - SINGLE HUNG	EGRESS
W2	MASTER BD.	SH 3050		36"	60"	VINYL - SINGLE HUNG	
W3	ENTRY	3068	THERMATRU	36"	80"	METAL / FIBERGLASS SINGLE LEAF IN-SWING FR DR. - TEMP. GLASS	
W4	GREAT RM.	SH 3050		36"	60"	VINYL - SINGLE HUNG	
W5	GREAT RM.	SH 3050		36"	60"	VINYL - SINGLE HUNG	
W6	KITCHEN	SH 3030		36"	26"	VINYL - SINGLE HUNG	
W7	KITCHEN	3068	THERMATRU	36"	80"	METAL / FIBERGLASS SINGLE LEAF IN-SWING FR DR. - TEMP. GLASS	
W8	OFFICE	SH 3050		36"	60"	VINYL - SINGLE HUNG	
W9	OFFICE	SH 3050		36"	60"	VINYL - SINGLE HUNG	
W10	BATH	SH 2030		24"	36"	VINYL - SINGLE HUNG - TEMP. GLASS	

W1 — INDICATES SCHEDULE WINDOW NUMBER (MARK)
1 — INDICATES DESIGN WIND PRESSURE ZONE (1 = ZONE 4) (2 = ZONE 5)

110 ENCLOSED EXP C

WIND – THIS PLAN HAS BEEN DESIGNED TO COMPLY WITH ALL PROVISIONS OFF FBC-2007 INCLUSIVE OF ASCE 7-05 WIND PROVISIONS FOR A NOMINAL DESIGN 3-SEC GUST OF 110 MPH. AS DEFINED IN SECTION 1609.2, DEFINITION (2), THIS STRUCTURE DOES MEET THE REQUIREMENTS FOR AN ENCLOSED BUILDING AND AS SUCH HAS BEEN DESIGNED WITH AN INTERNAL PRESSURE COEFFICIENT OF +.18 AND –.18, UNADJUSTED FOR ZONES 1,2, AND 3. DESIGN HAS UTILIZED A WIND IMPORTANCE FACTOR OF 1.00 FOR BUILDING CATAGORY II IN AN EXPOSURE C AREA AND COMPLIES WITH WIND SPEED MAPS AS ADOPTED BY COUNTY JURISDICTION.

WINDOWS, DOORS, COMPONENTS DESIGN WIND PRESSURES

ENCLOSED BUILDING

DESIGN WIND PRESSURE (PSF)

Zone 4	Effective Wind Area	Basic Wind Speed 120 MPH 3-sec. Gust		Zone 5	Effective Wind Area	Basic Wind Speed 120 MPH 3-sec. Gust	
	SQ FT	+	-		SQ FT	+	-
ZONE 4 – W 1	<10	30.5	33.0	ZONE 5 – W 2	<10	30.5	40.7
	15	29.8	32.3		15	29.8	47.0
	20	29.1	31.6		20	29.1	38.1
	25	28.8	31.4		25	28.8	37.5
	30	28.6	31.1		30	28.6	37.0
	35	28.3	30.8		35	28.3	32.2
	40	28.0	30.5		40	28.0	35.7
	45	27.6	30.1		45	27.6	35.1
	50	27.3	29.8		50	27.3	34.4
	75	26.6	29.3		75	26.6	33.0
	100	25.9	28.6		100	25.9	31.6
	GARAGE DOOR		9'-0" WIDE	7'-0" HEIGHT		26.7	30.2
			16'-0" WIDE	7'-0" HEIGHT		25.6	28.6
ROOF WIND ZONES DESIGN PRESSURES FOR THE ROOF ZONES ARE TAKEN FROM THE MOST CONSERVATIVE CASE. (INCLUDING ROOF SLOPE, EFFECTIVE AREA AND OVERHANG CONDITIONS)					ZONE 1	27.9	30.5
					ZONE 2	27.9	58.9
					ZONE 3	27.9	77.0

NOTES:
1. ANY WINDOW, ALL OR PART, WHICH IS WITHIN 6' OF A CORNER SHALL BE CONSIDERED ZONE 5 PER CHART ABOVE, ALL OTHER WINDOWS ARE CLASSIFIED IN ZONE 4.
2. ROUND AREA DOWN TO THE LARGEST PRESSURE IN THE CHART ABOVE.

– DESIGN PRESSURES ABOVE REPRESENT THE NET PRESSURE (SUM OF EXTERNAL AND INTERNAL PRESSURES) APPLIED NORMAL TO ALL SURFACES. COMPONENT MANUFACTURER SHALL USE THE HIGHER OF THE TWO NUMBERS FOR APPLICABLE SQUARE FOOTAGE.

FLOOR PLAN STRUCTURAL NOTES:

(P1) 6x6 P.T. SOLID WOOD POST W/ (1) SIMPSON CB66 AT BASE.

(P2) (3) 2x4 WOOD JACK POST W/ (1) SIMPSON HTT16 AT BASE.

(P3) (4) 2x6 WOOD JACK POST W/ (1) SIMPSON HTT22 AT BASE.

(B1) (2) 2x12 P.T. WOOD BEAM W/ (1) SIMPSON CCQ3-6 SDS2.5 (INTERIOR POST) OR (1) SIMPSON ECCQ3-6-3 SDS2.5 (CORNER POST) OR (1) SIMPSON HUS212-2TF (TOP-FLANGE WALL CONN.) AT EACH BEARING POINT.

(B2) (2) 1.75"x11.25" LVL BEAM W/ (1) SIMPSON ECCQ464 SDS2.5 (CORNER POST) OR (1) SIMPSON GLTV3.56/11.25 (TOP-FLANGE WALL CONN.) AT EACH BEARING POINT.

(H1) (2) 2x8 WOOD HEADER W/ 1/2" PLYWOOD FLITCH PLATE W/ (1) SIMPSON LSTA24 AT EACH END. SUPPORT ENDS W/ (3) 2x4 (4" WALL) OR (3) 2x6 (6" WALL) WOOD JACK POST W/ (1) SIMPSON LTT20B AT BASE.

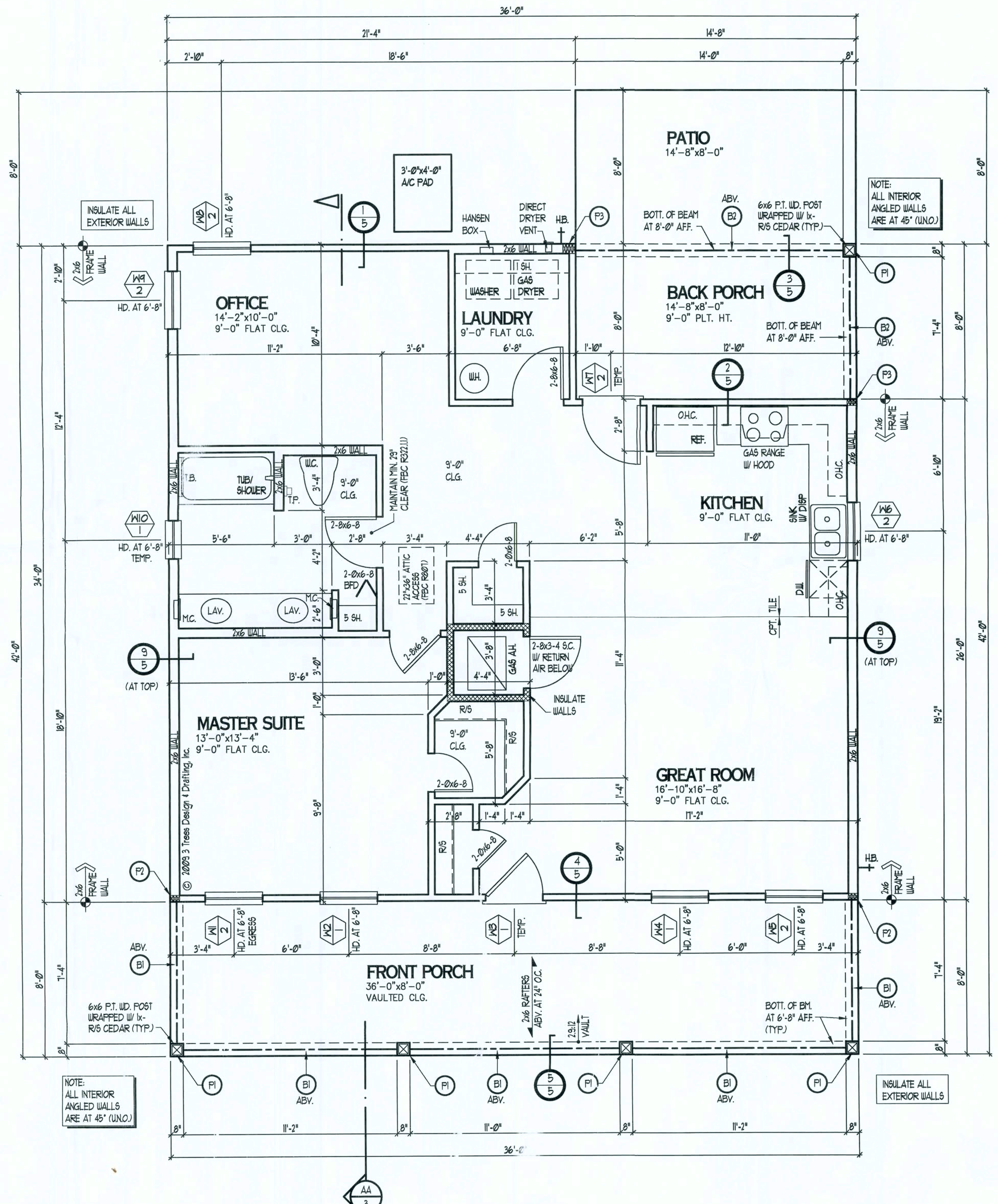
NOTE:
NOT A SPECIAL FLOOD ZONE

NOTE:
SUBMIT A FOUNDATION TIE-IN SURVEY CERTIFYING THE LOWEST FINISHED FLOOR ELEVATION PRIOR TO WALL CONSTRUCTION

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

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

NOTE:
ALL DOOR AND WINDOW ATTACHMENT REQUIREMENTS ARE THE RESPONSIBILITY OF THE MANUFACTURER. ATTACHMENT INFORMATION GIVEN BY THE MANUFACTURER IS PROVIDED HEREIN, HOWEVER, THE MANUFACTURER IS A DELEGATED ENGINEER, AND AS SUCH, IS RESPONSIBLE FOR THE VALIDITY OF THE ATTACHMENT INDICATED, AND MAY CHANGE THE REQUIRED ATTACHMENT AS NECESSARY, PROVIDING DOCUMENTATION OF SUCH CHANGE TO THE ENGINEER OF RECORD.



FLOOR PLAN

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

HATCHING LEGEND
LOAD BEARING WALL
INSULATE WALL

MAIN FLOOR	1107 S.F.
FRONT PORCH	288 S.F.
BACK PORCH	117 S.F.
PATIO	117 S.F.
TOTAL SQ. FT.	1629 S.F.

NOTE: DRAWINGS ON 11"x17" SHEET WILL BE ONE HALF THE SCALE NOTED

NOTE: IT IS THE CONTRACTORS RESPONSIBILITY TO REVIEW ALL DRAWINGS BEFORE CONSTRUCTION BEGINS. THE ARCHITECT OF RECORD IS RESPONSIBLE FOR THE STRUCTURAL INTEGRITY OF THIS PROJECT ONLY. ANY DISCREPANCY BETWEEN FIELD CONDITIONS, OTHER DESIGN PROFESSIONALS' SHOP DRAWINGS, CONTRACTORS' BUILDING METHODS, AND THESE SIGNED AND SEALED DRAWINGS MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OF RECORD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO START OF ANY CONSTRUCTION.

To the best of the architect's knowledge, the plans and specifications comply with the minimum requirements of The Florida Building Code - Residential Section R301(2007 edition)

Plans and specifications comply with the Florida building code, section 1609 for 110 mph wind zone (2007 edition)

This drawing is valid for 12 months after the date it is signed and sealed or until the requirements of the Florida Building Code (2007 edition) is changed.

This drawing is signed and sealed for the structural and life safety portions of the drawing only. Electrical, Plumbing or Mechanical details, if shown, are for visual reference only and are not covered under this seal.

Adrian Theo
4-8-09

DESIGN GROUP ARCHITECTURE, INC.
FL. AA26001259
EST. 2006
150 STATE STREET EAST
OLDSMAR, FL 34677
ADRIAN THEO, R.A.
813.925.1600 TEL
813.925.1800 FAX
FLA. REG. NO. AR0013417

JOB NUMBER 3203
CAD FILE 1107FL
ISSUED 04-07-09
REVISED

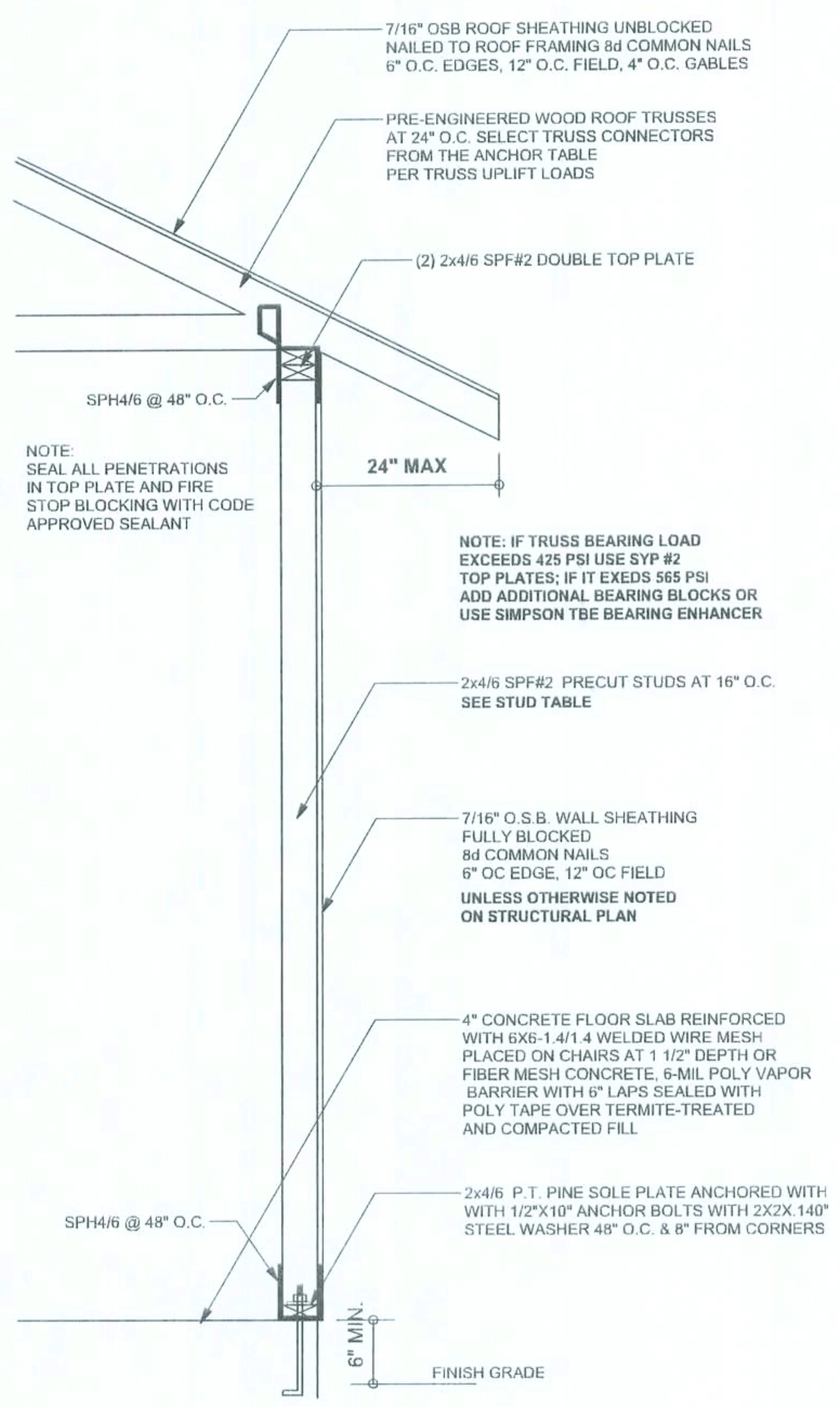
3 TREES
DESIGN AND DRAFTING, INC.
303.588.1142 ph
303.588.1205 fax
3TREESDRAFTING@COMCAST.NET

HARRIS-SHEPHERD
FT. WHITE, FL

1107

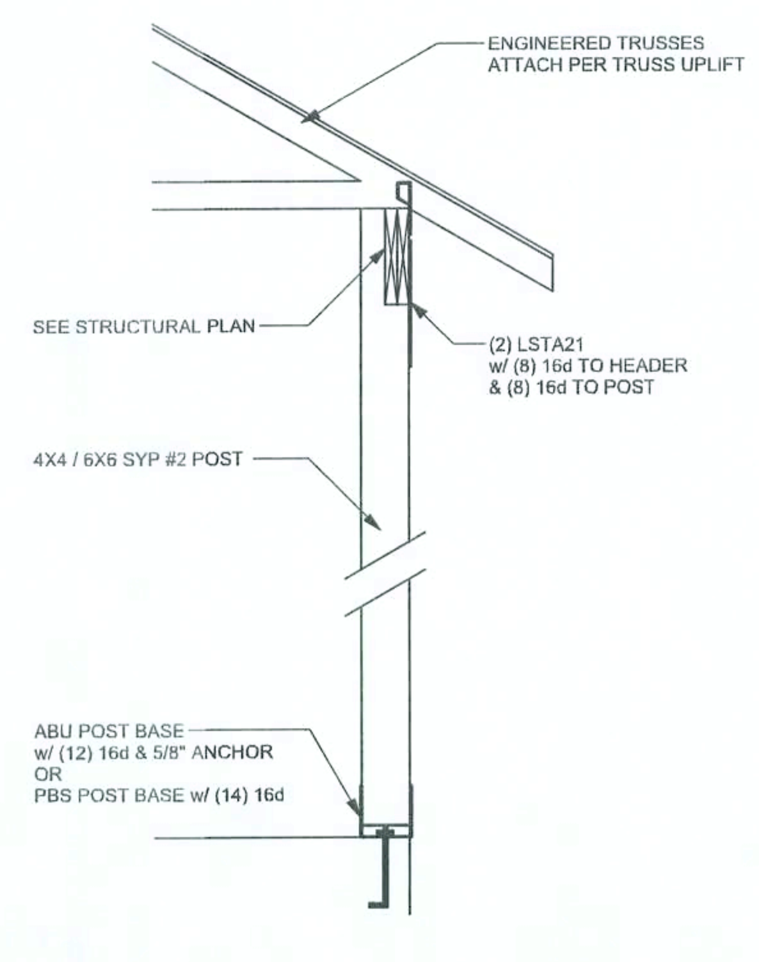
TITLE
FLOOR PLAN

SHEET
2



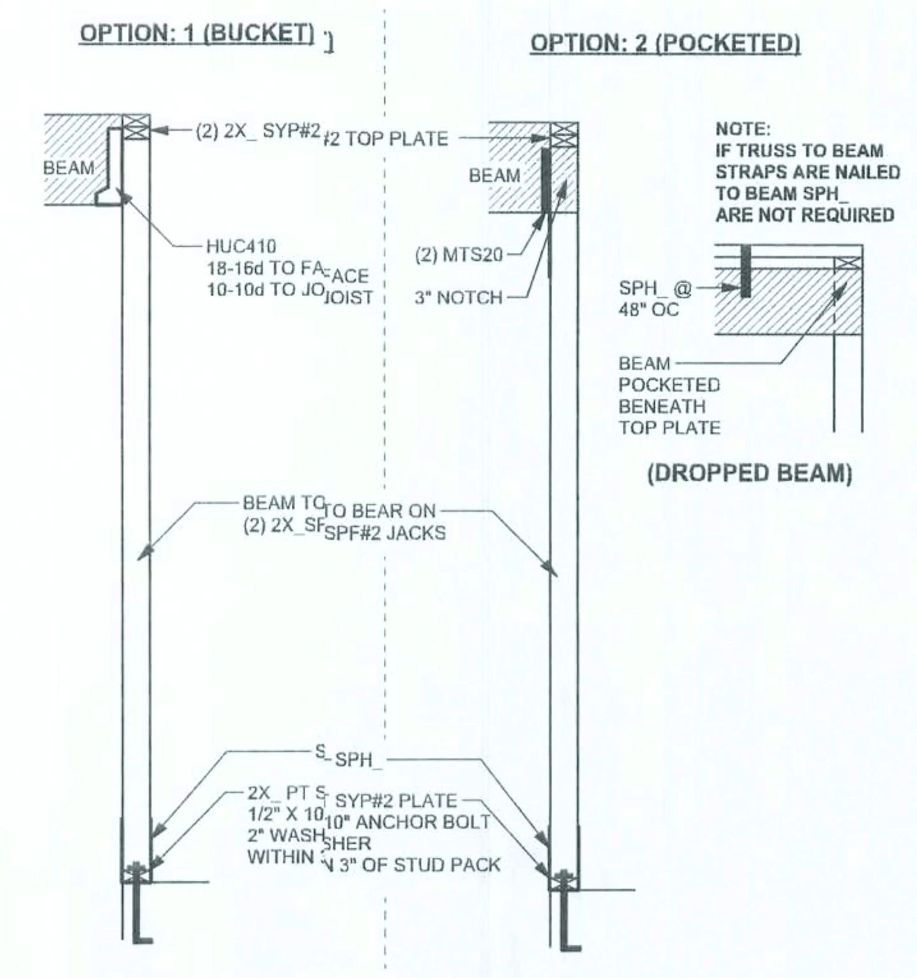
ONE STORY WALL SECTION

SCALE: 3/4" = 1'-0"



(TYP.) PORCH POST

ONE STORY WOOD



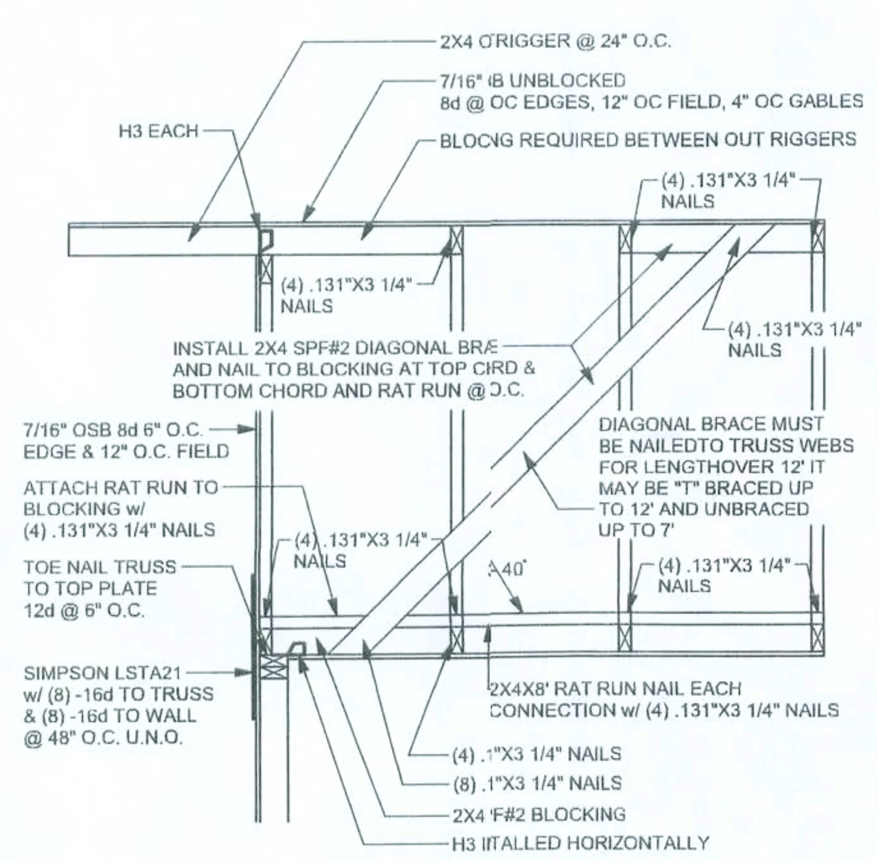
(TYP.) BEAM TO WALL

WOOD FRAME w/ STRAPS & ANCHORS

ALLOWABLE UPLIFT: 1265 LB

GRADE & SPECIES TABLE

		Fb (psi)	E (10^6 psi)
2x8	SYP #2	1200	1.6
2x10	SYP #2	1050	1.6
2x12	SYP #2	975	1.6
GLB	24F-V3 SP	2400	1.8
LSL	TIMBERSTRAND	1700	1.7
LVL	MICROLAM	1600	1.9
PSL	PARALAM	2900	2.0



SPACE RAT RUN & DIAGONAL BRACE 6'-0" O.C. FOR GABLE HEIGHT UP TO 25'-0" 110MPH, EXP. C, ENCLOSED

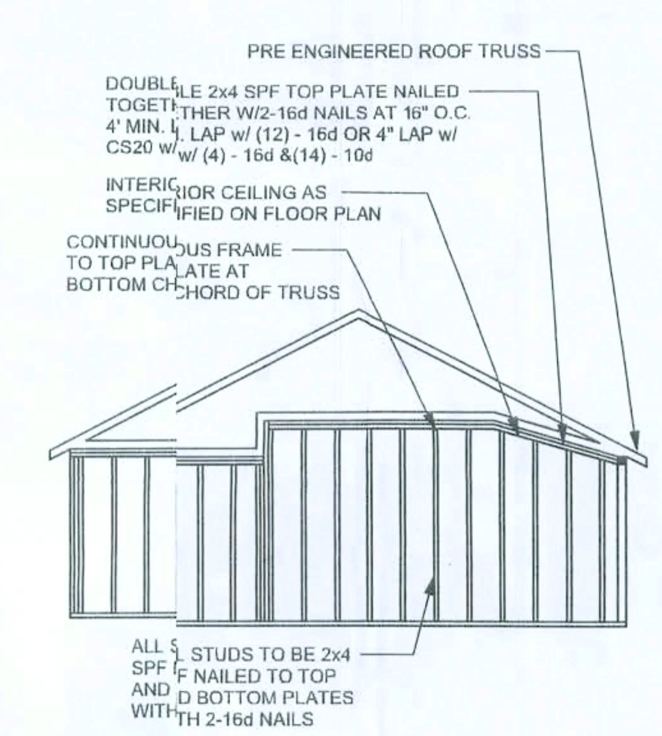
(TYP.) GABLE BRACING DETAIL

WOOD FRAME

EXTERIOR WALL STUD TABLE FOR SPF #2 STUDS

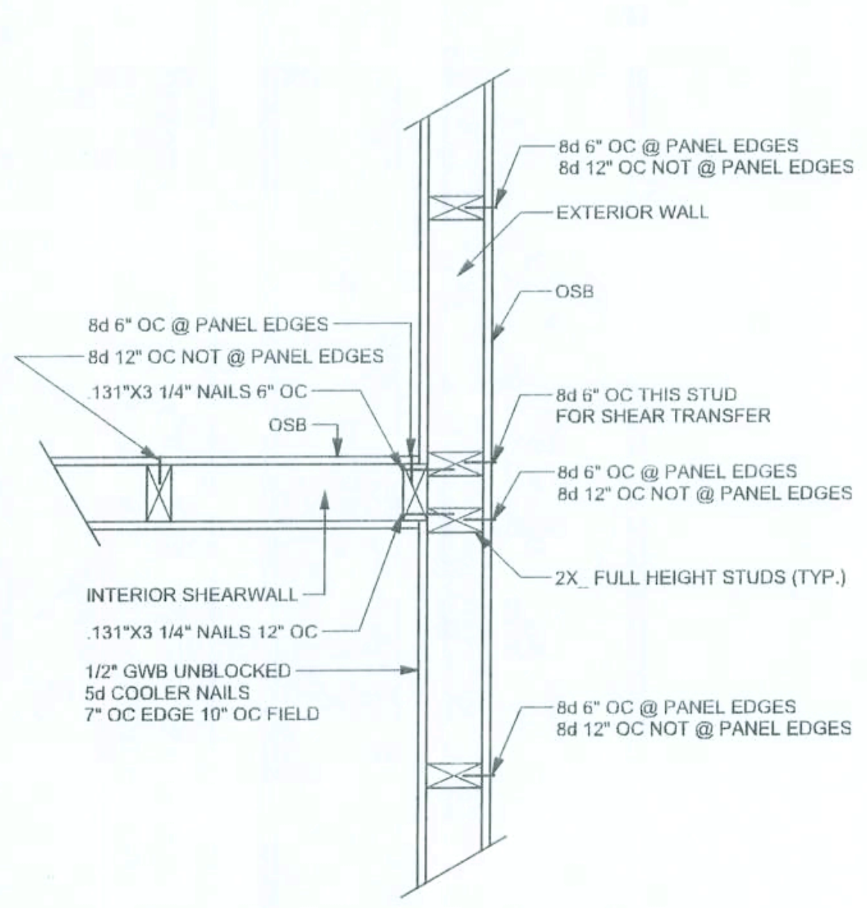
(1) 2x4 @ 16" OC	TO 10'-6" STUD HEIGHT
(1) 2x4 @ 12" OC	TO 11'-7" STUD HEIGHT
(1) 2x6 @ 16" OC	TO 16'-10" STUD HEIGHT
(1) 2x6 @ 12" OC	TO 18'-7" STUD HEIGHT

THIS STUD HEIGHT TABLE IS PER WFCM 2001, TABLE 3.20B, EXTERIOR LOAD BEARING & NON LOAD BEARING STUD LENGTHS RESISTING INTERIOR ZONE WINDLOADS 110 MPH EXPOSURE C. STUD SPACINGS SHALL BE MULTIPLIED BY 0.85 FOR FRAMING LOCATED WITHIN 4 FEET OF CORNERS FOR END ZONE LOADING. EXAMPLE 16" O.C. x 0.85 = 13.6" O.C.



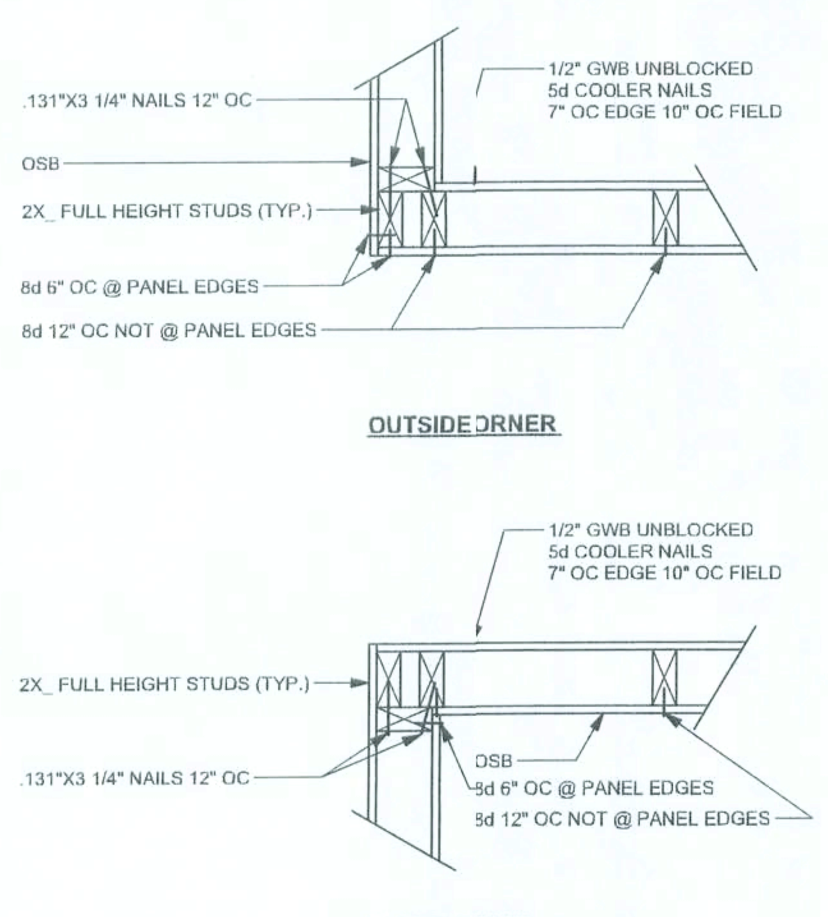
CONTINUOUS FRAME TO CEILING DIAPHRAGM DETAIL

SCALE: N.T.S.



(TYP.) INTERSECTING WALL FRAMING

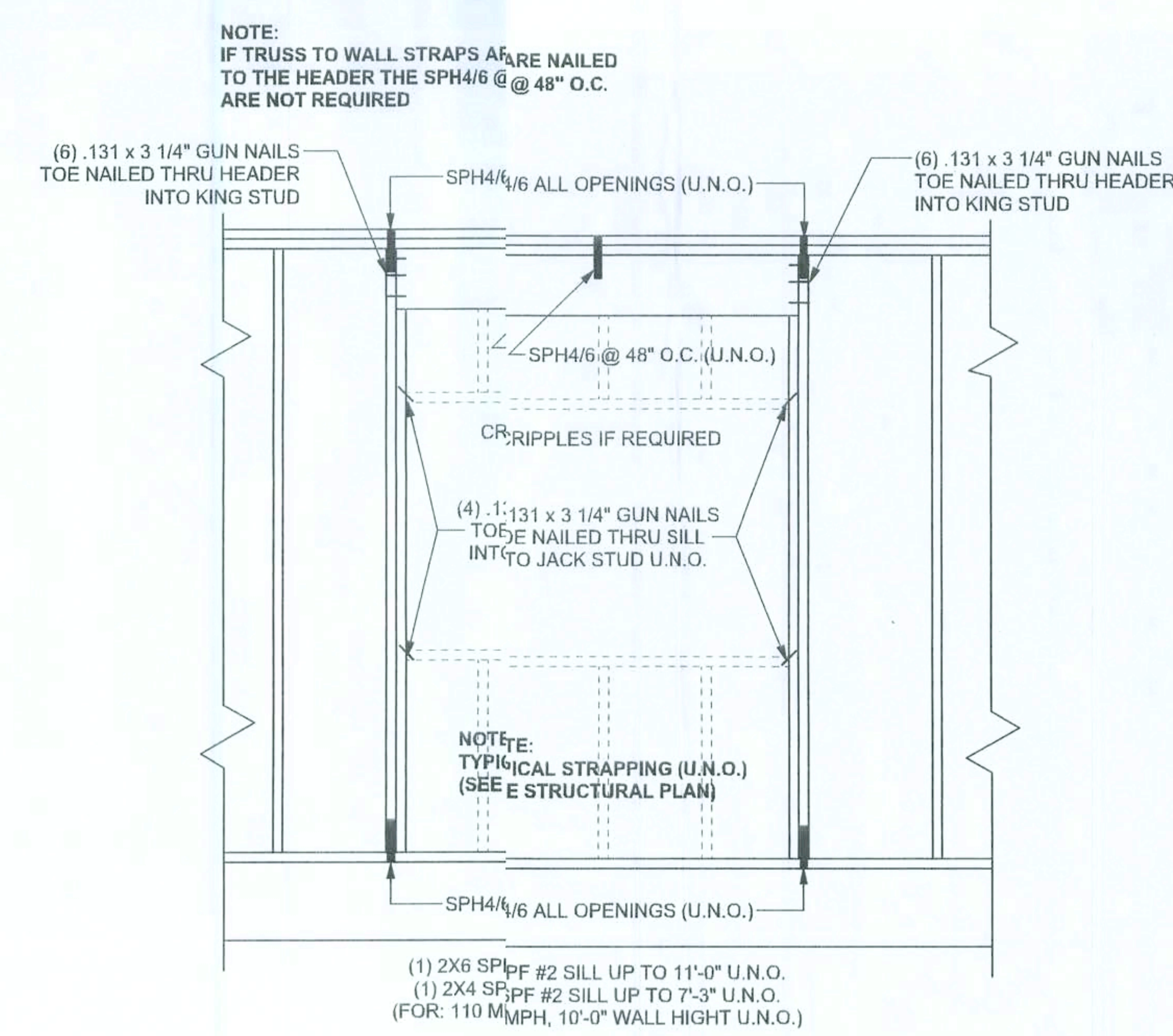
WOOD FRAME



(TYP.) CORNER FRAMING

WOOD FRAME

NOTE: IF TRUSS TO WALL STRAPS ARE NAILED TO THE HEADER THE SPH4/6 @ 48" O.C. ARE NOT REQUIRED



TYPICAL HEADER STRAPING DETAIL

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

GENERAL NOTES:

TRUSSES: TRUSSES SHALL BE DESIGNED BY A FLORIDA LICENSED ENGINEER IN ACCORDANCE WITH THE FBCR 2007. 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 40 * DB (25" FOR #5 BARS); UNO. ALL REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 315-96, U.N.O.

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

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"0C 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 2007 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.

ROOF SYSTEM DESIGN

THE SEAL ON THESE PLANS FOR COMPLIANCE WITH FBCR 2007, SECTION R301.2.1 IS BASED ON REACTIONS, UPLIFTS, AND BEARING LOCATIONS IN TRUSS ENGINEERING SUBMITTED TO THE WIND LOAD ENGINEER. IT IS THE RESPONSIBILITY OF THE BUILDER TO CHECK ALL DETAILS OF THE COMPLETE ROOF SYSTEM DESIGN SUBMITTED BY THE TRUSS MANUFACTURER AND HAVE IT SIGNED, AND SEALED BY A DESIGN PROFESSIONAL FOR CORRECT APPLICATION OF FBC 2007 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.

MASONRY NOTES:

MASONRY CONSTRUCTION AND MATERIALS FOR THIS PROJECT SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 530.1/ASCE 6/TMS 602). THE CONTRACTOR AND MASON MUST IMMEDIATELY, BEFORE PROCEDING, NOTIFY THE ENGINEER OF ANY CONFLICTS BETWEEN ACI 530.1-02 AND THESE DESIGN DRAWINGS. ANY EXCEPTIONS TO ACI 530.1-02 MUST BE APPROVED BY THE ENGINEER IN WRITING.

	ACI530.1-02 Section	Specific Requirements
1.4A	Compressive strength	8" block bearing walls F'm = 1500 psi
2.1	Mortar	ASTM C 270, Type N, UNO
2.2	Grout	ASTM C 476, admixtures require approval
2.3	CMU standard	ASTM C 90-02, Normal weight, Hollow, medium surface finish, 8"x8"x16" running bond and 12"x12" or 16"x16" column block
2.3	Clay brick standard	ASTM C 216-02, Grade SW, Type FBS, 5.5"x2.75"x11.5"
2.4	Reinforcing bars, #3 - #11	ASTM 615, Grade 60, Fy = 60 ksi, Lap splices min 48 bar dia. (30" for #5)
2.4F	Coating for corrosion protection	Anchors, sheet metal ties completely embedded in mortar or grout, ASTM A525, Class G60, 0.60 oz/ft2 or 304SS
2.4F	Coating for corrosion protection	Joint reinforcement in walls exposed to moisture or wire ties, anchors, sheet metal ties not completely embedded in mortar or grout, ASTM A153, Class B2, 1.50 oz/ft2 or 304SS
3.3.E.2	Pipes, conduits, and accessories	Any not shown on the project drawings require engineering approval.
3.3.E.7	Movement joints	Contractor assumes responsibility for type and location of movement joints if not detailed on project drawings.

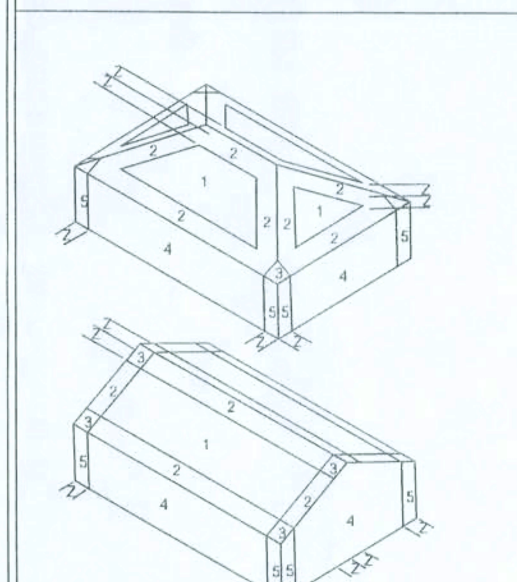
ANCHOR TABLE

OBTAIN UPLIFT REQUIREMENTS FROM TRUSS MANUFACTURER'S ENGINEERING

UPLIFT LBS. SYP	UPLIFT LBS. SPF	TRUSS CONNECTOR*	TO PLATES	TO RAFTER/TRUSS	TO STUDS
< 420	< 245	H5A	3-8d	3-8d	
< 455	< 265	H5	4-8d	4-8d	
< 360	< 235	H4	4-8d	4-8d	
< 455	< 320	H3	4-8d	4-8d	
< 415	< 365	H2.5	5-8d	5-8d	
< 600	< 535	H2.5A	5-8d	5-8d	
< 950	< 820	H6	8-8d	8-8d	
< 745	< 565	H8	5-10d, 1 1/2"	5-10d, 1 1/2"	
< 1465	< 1050	H14-1	13-8d	12-8d, 1 1/2"	
< 1465	< 1050	H14-2	15-8d	12-8d, 1 1/2"	
< 990	< 850	H10-1	8-8d, 1 1/2"	8-8d, 1 1/2"	
< 760	< 655	H10-2	6-10d	6-10d	
< 1470	< 1265	H16-1	10-10d, 1 1/2"	2-10d, 1 1/2"	
< 1470	< 1265	H16-2	10-10d, 1 1/2"	2-10d, 1 1/2"	
< 1000	< 860	MTS24C	7-10d 1 1/2"	7-10d 1 1/2"	
< 1450	< 1245	HTS24	12-10d 1 1/2"	12-10d 1 1/2"	
< 2900	< 2490	2 - HTS24			
< 2050	< 1785	LGT2	14 -16d	14 -16d	
		HEAVY GIRDER TIEDOWNS*			TO FOUNDATION
< 3965	< 3330	MGT		22 -10d	1-5/8" THREADED ROD 12" EMBEDMENT
< 10980	< 6485	HGT-2		16 -10d	2-5/8" THREADED ROD 12" EMBEDMENT
< 10530	< 9035	HGT-3		16 -10d	2-5/8" THREADED ROD 12" EMBEDMENT
< 9250	< 9250	HGT-4		16 -10d	2-5/8" THREADED ROD 12" EMBEDMENT
		STUD STRAP CONNECTOR*			TO STUDS
< 435	< 435	SSP DOUBLE TOP PLATE	3 -10d		4 -10d
< 455	< 420	SSP SINGLE SILL PLATE	1 -10d		4 -10d
< 825	< 825	DSP DOUBLE TOP PLATE	6 -10d		8 -10d
< 825	< 600	DSP SINGLE SILL PLATE	2 -10d		8 -10d
< 885	< 760	SP4			6-10d, 1 1/2"
< 1240	< 1065	SPH4			10-10d, 1 1/2"
< 885	< 760	SP6			6-10d, 1 1/2"
< 1240	< 1065	SPH6			10-10d, 1 1/2"
< 1235	< 1165	LSTA18	14-10d		
< 1235	< 1235	LSTA21	16-10d		
< 1030	< 1030	CS20	18-8d		
< 1705	< 1705	CS16	28-8d		
		STUD ANCHORS*	TO STUDS		TO FOUNDATION
< 1350	< 1305	LTT19	8-16d		1/2" AB
< 2310	< 2310	LTTI31	18-10d, 1 1/2"		1/2" AB
< 2775	< 2570	HD2A	2-5/8" BOLTS		5/8" AB
< 4175	< 3695	HTT16	18 - 16d		5/8" AB
< 1400	< 1400	PAHD42	16-16d		
< 3335	< 3335	HPAHD22	16-16d		
< 2200	< 2200	ABU44	12-16d		1/2" AB
< 2300	< 2300	ABU66	12-16d		1/2" AB
< 2320	< 2320	ABU88	18 - 16d		2-5/8" AB

DESIGN DATA

WIND LOADS PER FLORIDA BUILDING CODE 2007 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 = C
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	27.8	-30.5	25.3	-25.3
2	27.8	-35.7	25.3	-30.5
2 O'hg		-56.8		-56.8
3	27.8	-35.7	25.3	-30.5
3 O'hg		-95.6		-59.3
4	30.5	-33.0	25.9	-28.5
5	30.5	-40.7	25.9	-31.6

Doors & Windows Worst Case (Zone 5, 10 ft2)	30.5	-40.7
8x7 Garage Door	27.3	-32.0
16x7 Garage Door	25.9	-29.4

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.53915, POB 868, Lake City, FL 32056, 386-754-549

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

CERTIFICATION: 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 2007, to the best of my knowledge.

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

MARK DISOSWAY P.E. 53915

28APR09

SEAL

JeffSwanson

Harris-Shepherd Residence

ADDRESS: Ft. White, Florida

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

PRINTED DATE: April 28, 2009

DRAWN BY:

STRUCTURAL BY: Evan Beamsley

FINALS DATE: 28Apr09

JOB NUMBER: 904272

DRAWING NUMBER

S-1

OF 2 SHEETS

From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Reference to a building permit application Number: 0905-21

Applicant: Diane Shepherd Owner/Builder: Property Identification number: 8-6S-17-09826-116
On the date of May 22, 2009 application 0905-21 and plans were reviewed fo compliance of the 2007 Florida building code/ Residential. The documents ar plans submitted are for construction of a R3 single family dwelling.

Reviewed the following listed information for code compliance with the Florida building code/ Residential.

On the electrical plan all circuits within the bedroom shall be protected with ar Ark-Fault Circuit breaker.

If a gas air handler is used the wall and ceiling which enclose the gas air haner closet shall be protected with type X 5/8" sheetrock and all joints shall be seaed and taped. The Florida Energy Efficiency Code line 13 states that the heating system to be an electrical heat pump. Please verify with this department if a gs air handler is installed.

At the electrical service entrance point (utility author meter base)an overcurret protection device shall be installed on the exterior of structure which will prove overcurrent protection for the total service amperage rating and a means of disconnecting electrical service from the serving utility company. Conductors used from the exterior disconnecting means to a panel or sub panel shall hav four-wire conductors, of which one conductor shall be used as an equipment ground.

Thank You:

1

ELECTRICAL KEY

- DUPLEX CONVENIENCE OUTLET
- DUPLEX OUTLET ABOVE COUNTER
- WEATHERPROOF DUPLEX OUTLET
- GROUND FAULT INTERRUPTER DUPLEX OUTLET
- ARCH FAULT INTERRUPTER OUTLET IN ALL BEDROOMS
- HALF-SWITCHED DUPLEX OUTLET
- SPECIAL PURPOSE OUTLET
- DUPLEX OUTLET IN FLOOR
- 220 VOLT OUTLET
- WALL SWITCH
- MANUAL-ON OCCUPANT SENSORS SWITCH
- WALL DIMMER SWITCH
- THREE-WAY SWITCH
- FOUR-WAY SWITCH
- SURFACE MOUNTED LIGHT FIXTURE (INCANDESCENT UNLESS LABELED HEL)
- WALL MOUNT LIGHT FIXTURE (INCANDESCENT UNLESS LABELED HEL)
- RECESSED LIGHT FIXTURE (INCANDESCENT UNLESS LABELED HEL)
- LIGHT FIXTURE WITH PULL CHAIN
- TRACK LIGHT
- FLUORESCENT LIGHT FIXTURE
- EXHAUST FAN
- EXHAUST FAN/LIGHT COMBINATION
- HEL — HIGH EFFICACY LUMINARIES (PIN BASED)
- ELECTRIC DOOR OPERATOR (OPTIONAL)
- CHIMES
- PUSH-BUTTON SWITCH
- SMOKE DETECTOR
- CM — CARBON MONOXIDE DETECTOR
- TELEPHONE
- TELEVISION
- THERMOSTAT
- GAS STUB WITH VALVE
- ELECTRIC METER
- 200 AMP. ELECTRIC PANEL
- DISCONNECT SWITCH
- SPEAKER (OPTIONAL)
- EV — FUTURE ELECTRIC VEHICLE CIRCUIT PROVIDE 3/4" CONDUIT FROM PANEL TO 2-GANG BOX AT 18" MIN - 48" MAX. ABV. FLOOR
- CEILING FAN W/ TWO SWITCHES
- BLOCK LIGHT BOX FOR CEILING FAN CONVERSION

NOTES:

1. PROVIDE AND INSTALL GROUND FAULT CIRCUIT-INTERUPTERS (GFI) AS INDICATED ON PLANS.

2. UNLESS OTHERWISE INDICATED, INSTALL SWITCHES & RECEPTACLES AT THE FOLLOWING HEIGHTS ABOVE FINISH FLOOR:
   SWITCHES.....42"
   OUTLETS.....14"
   TELEPHONE....14"
   TELEVISION....14"

3. ALL SMOKE DETECTORS SHALL BE HARDWIRED INTO AN ELECTRICAL POWER SOURCE AND SHALL BE EQUIPPED WITH A MONITORED BATTERY BACKUP. PROVIDE AND INSTALL LOCALLY CERTIFIED SMOKE DETECTORS.

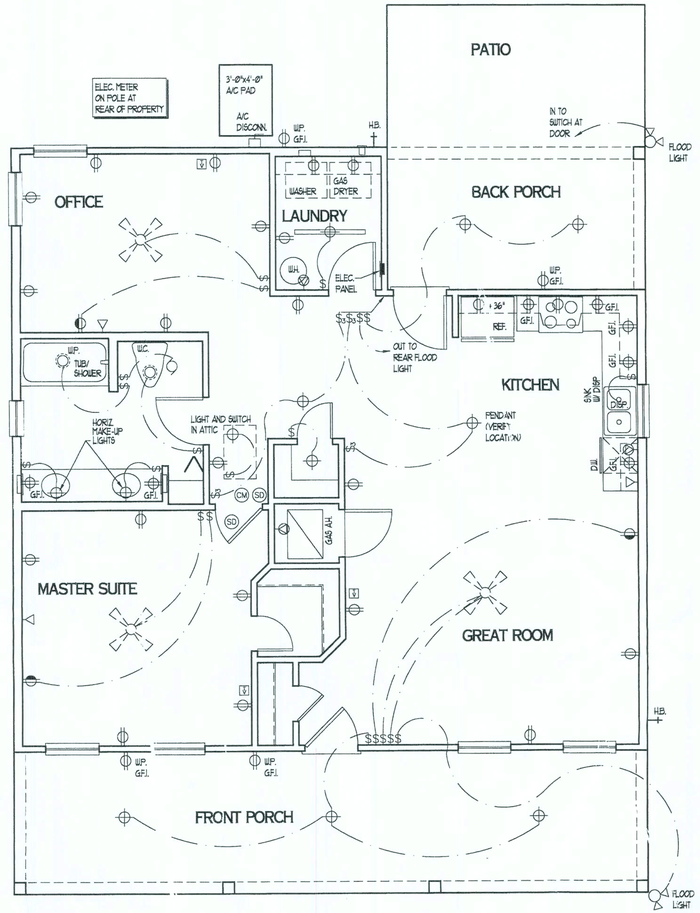
4. ALL CIRCUITS IN SLEEPING ROOMS SHALL BE ON A A.F.C.I. PROTECTED CIRCUIT.

5. IT IS THE RESPONSIBILITY OF THE LICENSED ELECTRICIAN TO INSURE THAT ALL ELECTRICAL WORK IS IN FULL COMPLIANCE WITH N.E.C., CALIFORNIA BUILDING CODE, AND ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDINANCES.

6. BATHROOM OUTLETS SHALL BE SUPPLIED BY AT LEAST ONE 20 AMP. BRANCH CIRCUIT WITH NO OTHER OUTLETS ON SUCH CIRCUIT NEC 210-52(d)

7. PROVIDE A RECEPTACLE WITHIN 25 FEET OF THE A/C CONDENSER UNIT UPC 309(3, 307(3, NEC 210-63

8. SPRINKLER IRRIGATION: PROVIDE LOW VOLTAGE WIRE FROM TIMER LOCATION TO HOUSE WATER SHUTOFF LOCATION



ELECTRICAL PLAN

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

DESIGN GROUP
193 STATE STREET EAST
OLDSMAR, FL 34677
ADRIAN TEBEL, R.E.

JOB NUMBER 3203
CAD FILE 1107FL
ISSUED 04-07-09
REVISED

3 TREES
DESIGN AND DRAFTING, INC.
303.688.1142 ph
303.688.1209 fax
3TREESDRAFTING@COMCAST.NET

HARRIS-SHEPHERD
FT. WHITE, FL

1107

TITLE
ELECTRICAL PLAN

SHEET
7