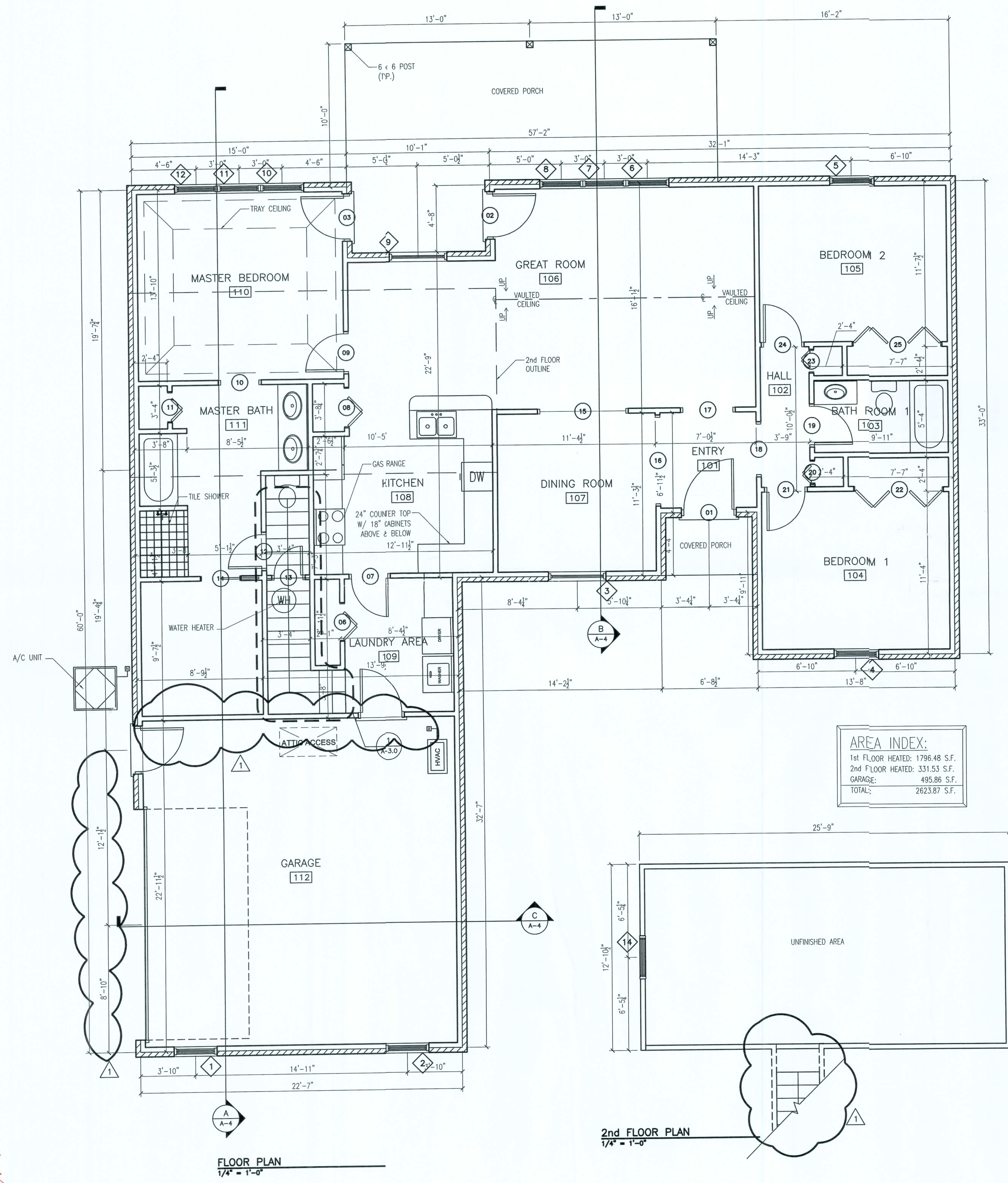


0709-56

2-Oct-07



DOOR AND FRAME SCHEDULE				
MARK	SIZE		FIRE RATING LABEL	NOTES
	WD	HGT		
1	3'-6"	6'-8"	---	Exterior door
2	3'-0"	6'-8"	---	Exterior door
3	3'-0"	6'-8"	---	Exterior door
4	3'-0"	6'-8"	---	Exterior door
5	3'-0"	6'-8"	---	Exterior door
6	2'-6"	6'-8"	---	---
7	2'-8"	6'-8"	---	---
8	2'-8"	6'-8"	---	---
9	2'-8"	6'-8"	---	---
10	2'-8"	6'-8"	---	---
11	2'-0"	6'-8"	---	---
12	2'-4"	6'-8"	---	---
13	2'-0"	6'-8"	---	---
14	2'-8"	6'-8"	---	---
15	6'-0"	6'-8"	---	---
16	6'-0"	6'-8"	---	---
17	3'-6"	6'-8"	---	---
18	3'-6"	6'-8"	---	---
19	2'-8"	6'-8"	---	---
20	1'-6"	6'-8"	---	---
21	2'-8"	6'-8"	---	---
22	6'-0"	6'-8"	---	---
23	1'-6"	6'-8"	---	---
24	2'-8"	6'-8"	---	---
25	6'-0"	6'-8"	---	---
26	16'-0"	7'-0"	---	Sectional roll-up garage door

WINDOW SCHEDULE		
MARK	SIZE	
	WIDTH	HEIGHT
1	3'-0"	5'-0"
2	3'-0"	5'-0"
3	4'-0"	5'-0"
4	3'-0"	5'-0"
5	3'-0"	5'-0"
6	3'-0"	5'-0"
7	3'-0"	5'-0"
8	3'-0"	5'-0"
9	4'-0"	5'-0"
10	3'-0"	5'-0"
11	3'-0"	5'-0"
12	3'-0"	5'-0"
14	3'-0"	5'-0"

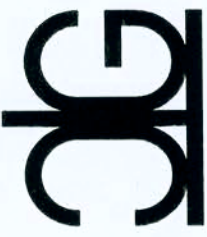
ROOM FINISH SCHEDULE						
Number	ROOM NAME	FLOOR	WALLS			
			N	S	E	W
101	ENTRY	TILE	GWB	GWB	GWB	GWB
102	HALL	CARPET	GWB	GWB	GWB	GWB
103	BATH ROOM 1	TILE	GWB	GWB	GWB	GWB
104	BEDROOM 1	CARPET	GWB	GWB	GWB	GWB
105	BEDROOM 2	CARPET	GWB	GWB	GWB	GWB
106	GREAT ROOM	CARPET	GWB	GWB	GWB	GWB
107	DINING ROOM	CARPET	GWB	GWB	GWB	GWB
108	KITCHEN	TILE	GWB	GWB	GWB	GWB
109	LAUNDRY AREA	TILE	GWB	GWB	GWB	GWB
110	MASTER BEDROOM	CARPET	GWB	GWB	GWB	GWB
111	MASTER BATH	TILE	GWB	GWB	GWB	GWB
112	GARAGE	CONCRETE	GWB	GWB	GWB	GWB

ISSUED FOR CONSTRUCTION

REVISION NOTES

REV #	DATE	DESCRIPTION
1	09-27-07	MOVED WALL
1	09-27-07	REMOVED WALLS
1	09-27-07	ADDED EERO NOTE

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Fax: (386) 362-6133
Auth. # 9461


STRUCTURAL/CIVIL ENGINEER

CAMPBELL RESIDENCE
NEW HOUSE
COLUMBIA COUNTY, FL.

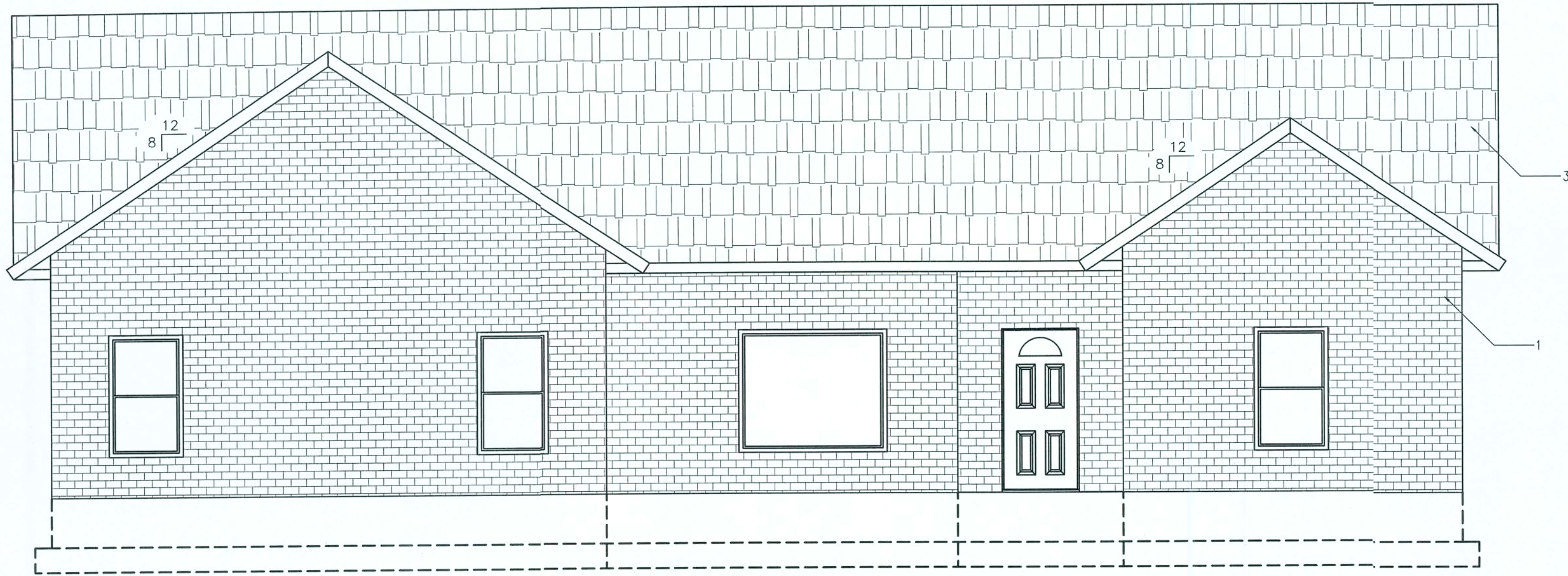
FLOOR PLAN

PROJECT NUMBER
PF07-122

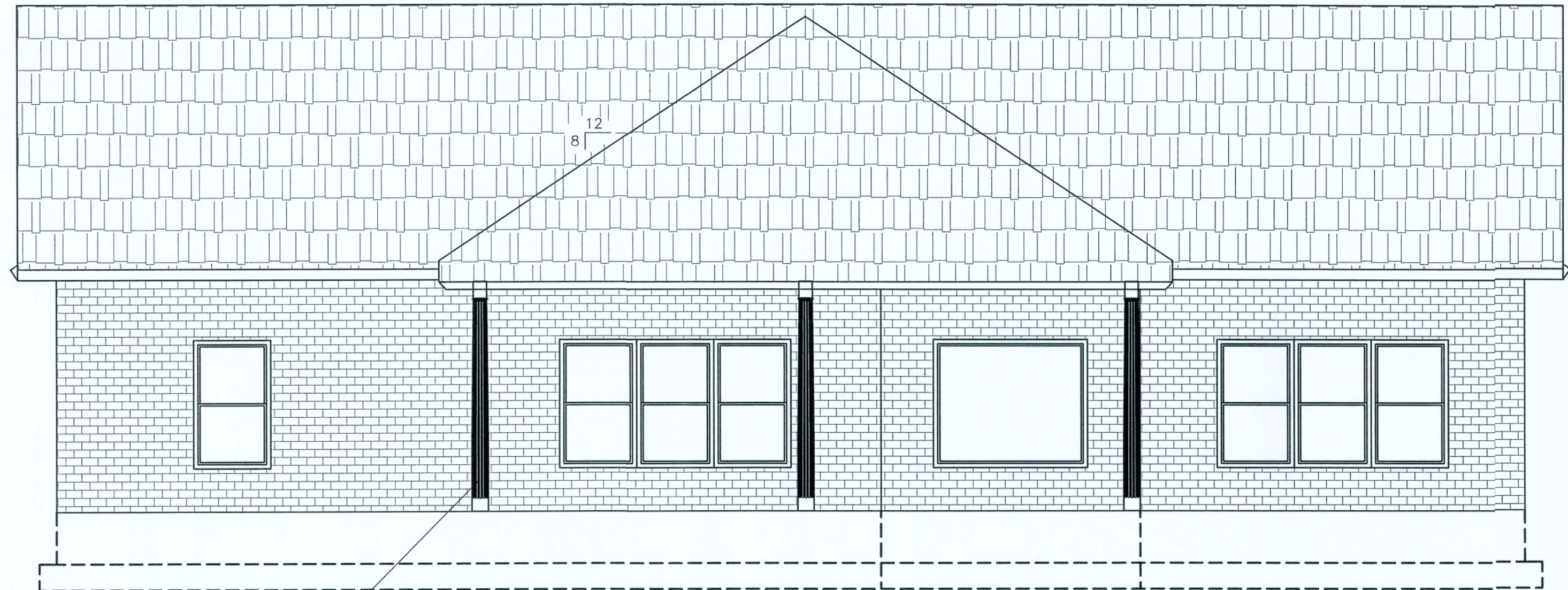
DRAWN BY
D. PRICE

CHECKED BY
G.G.

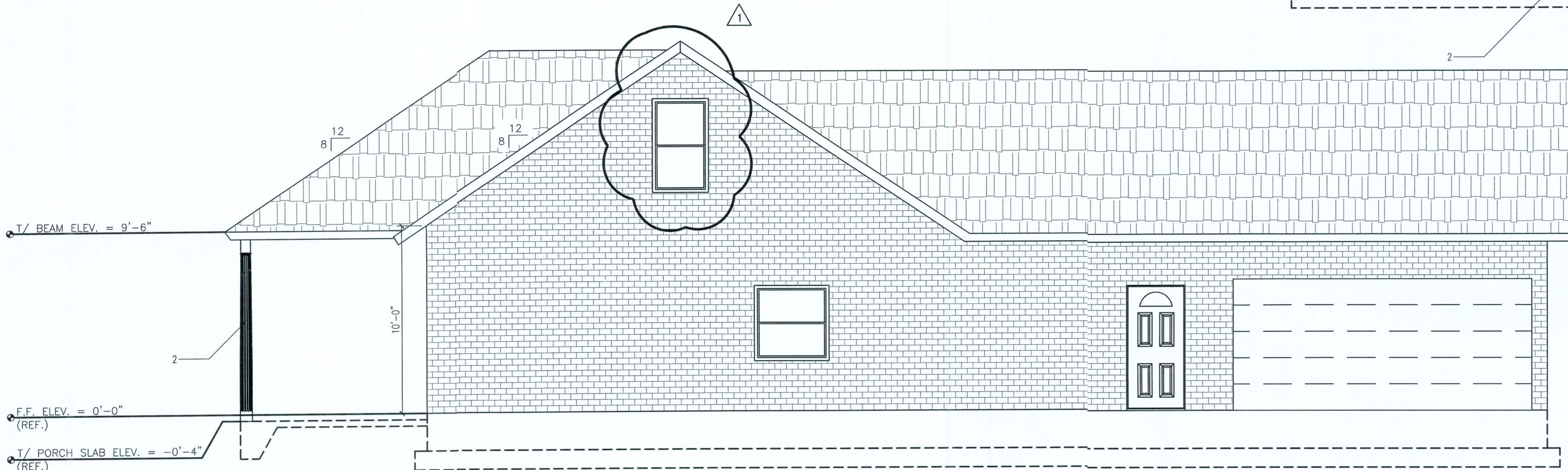
A-1.0



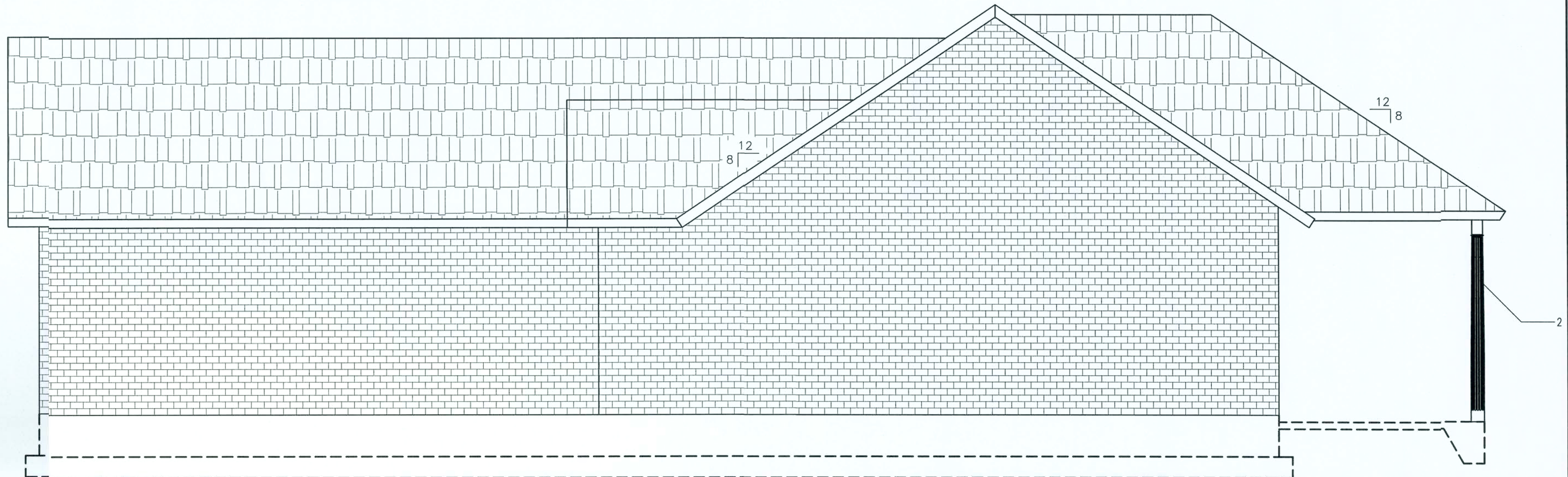
1 FRONT ELEVATION
1/4" = 1'-0"



3 REAR ELEVATION
1/4" = 1'-0"



2 LEFT ELEVATION
1/4" = 1'-0"



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

SHEET KEYNOTES

1	BRICK VENEER (PER OWNER)
2	6X6 POST (TYP.)
3	ASPHALT SHINGLES (PER OWNER)
4	

2-Oct-07

ISSUED FOR CONSTRUCTION

REV #	DATE	REVISION NOTES
1	09-27-07	ADDED WINDOW

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Five Oaks, FL 32034
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Auth. # 9461



STRUCTURAL/CIVIL ENGINEER Gary Gill, PE 51942

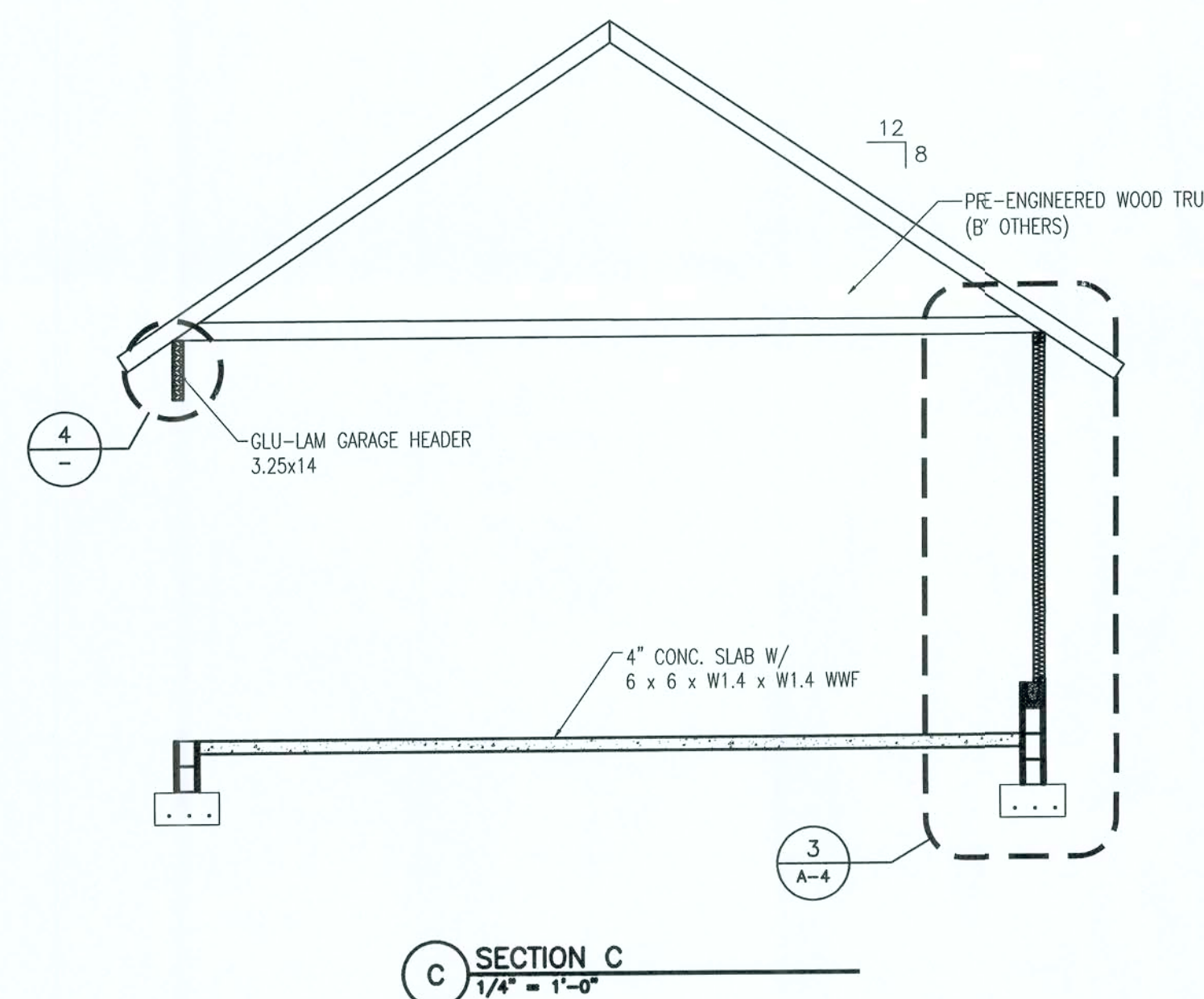
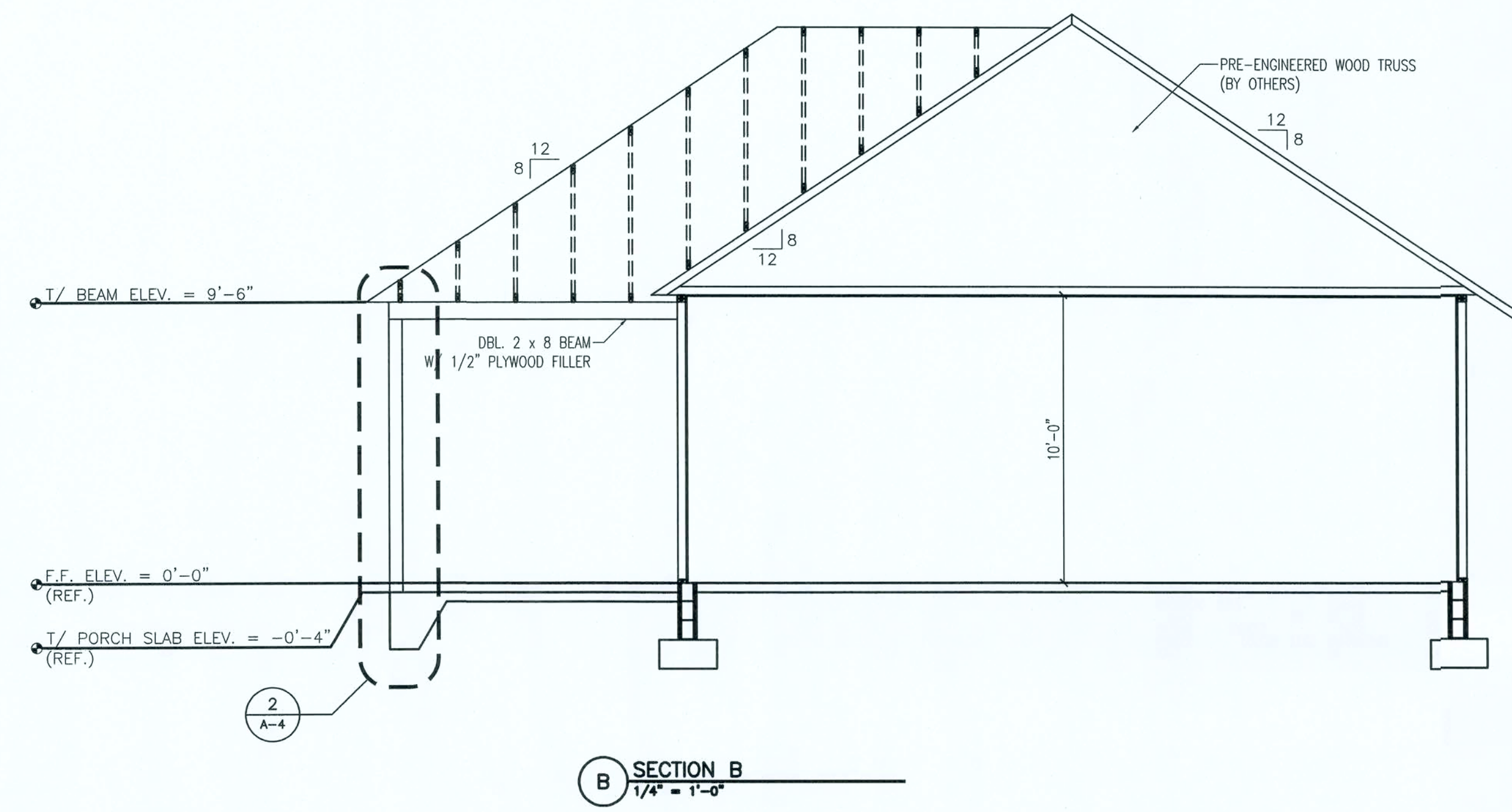
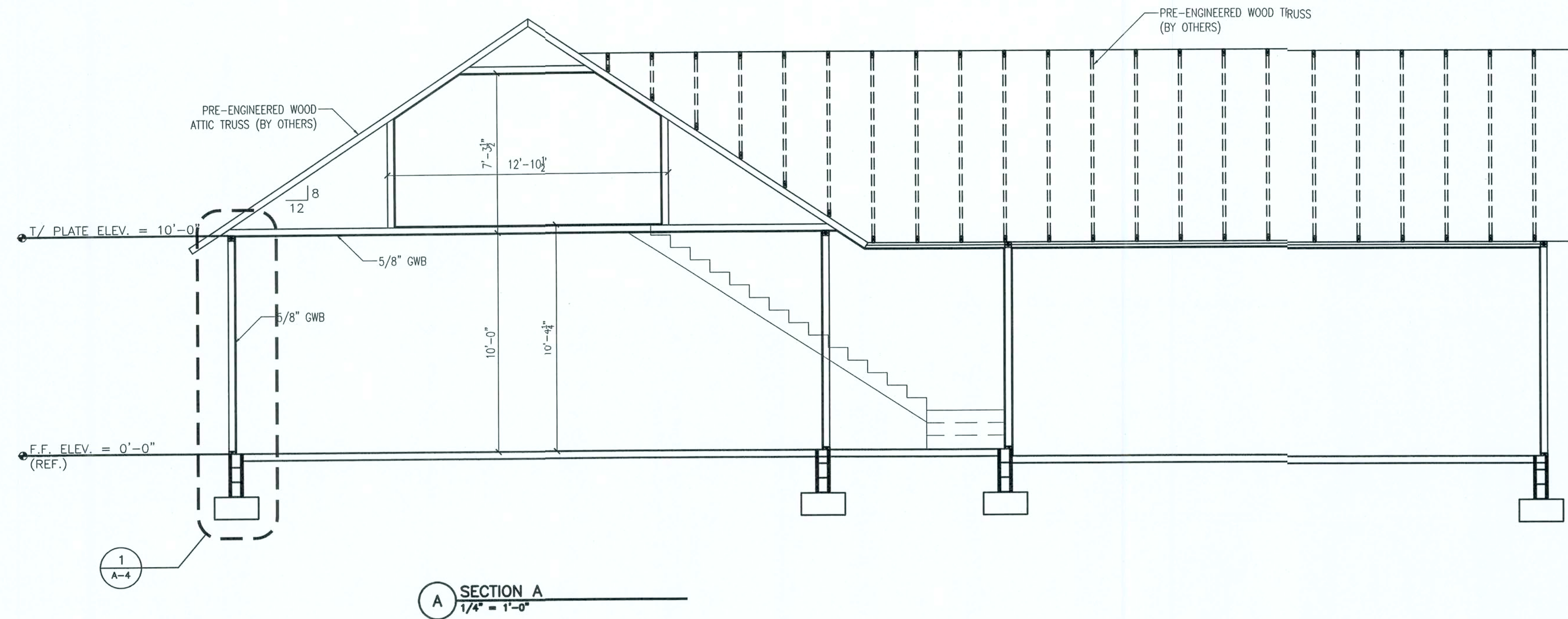
CAMPBELL RESIDENCE
NEW HOUSE
COLUMBIA COUNTY, FL.

ELEVATIONS

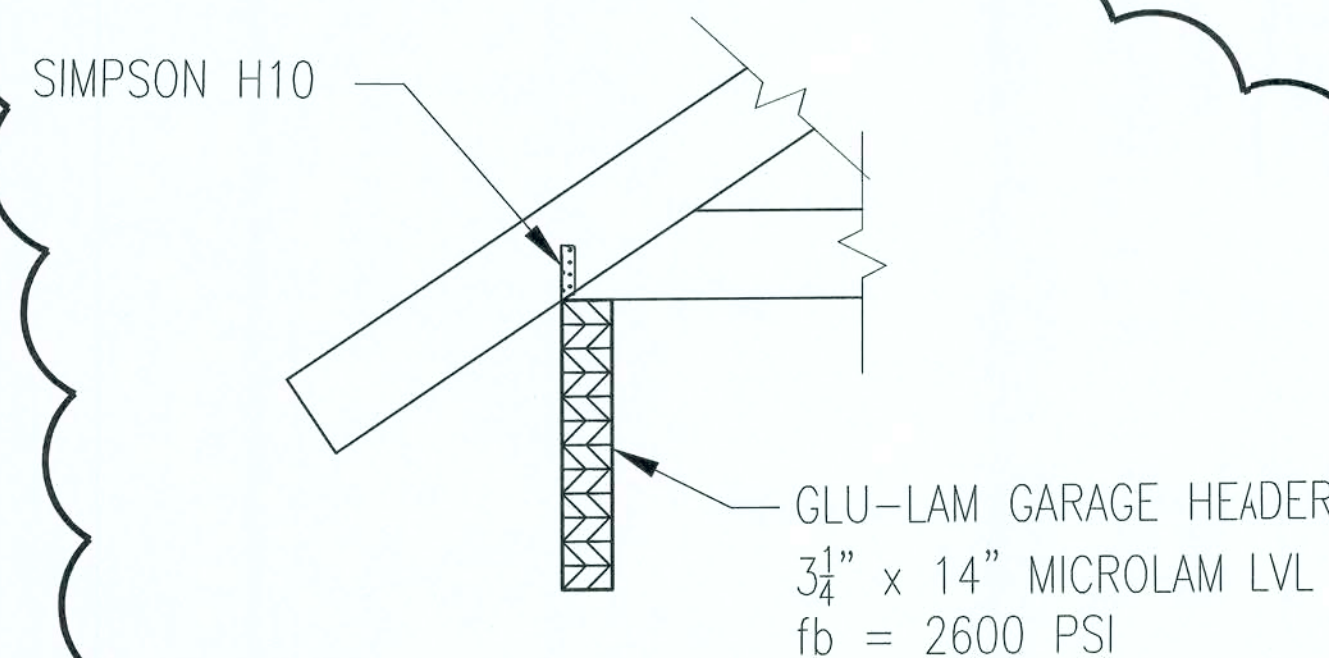
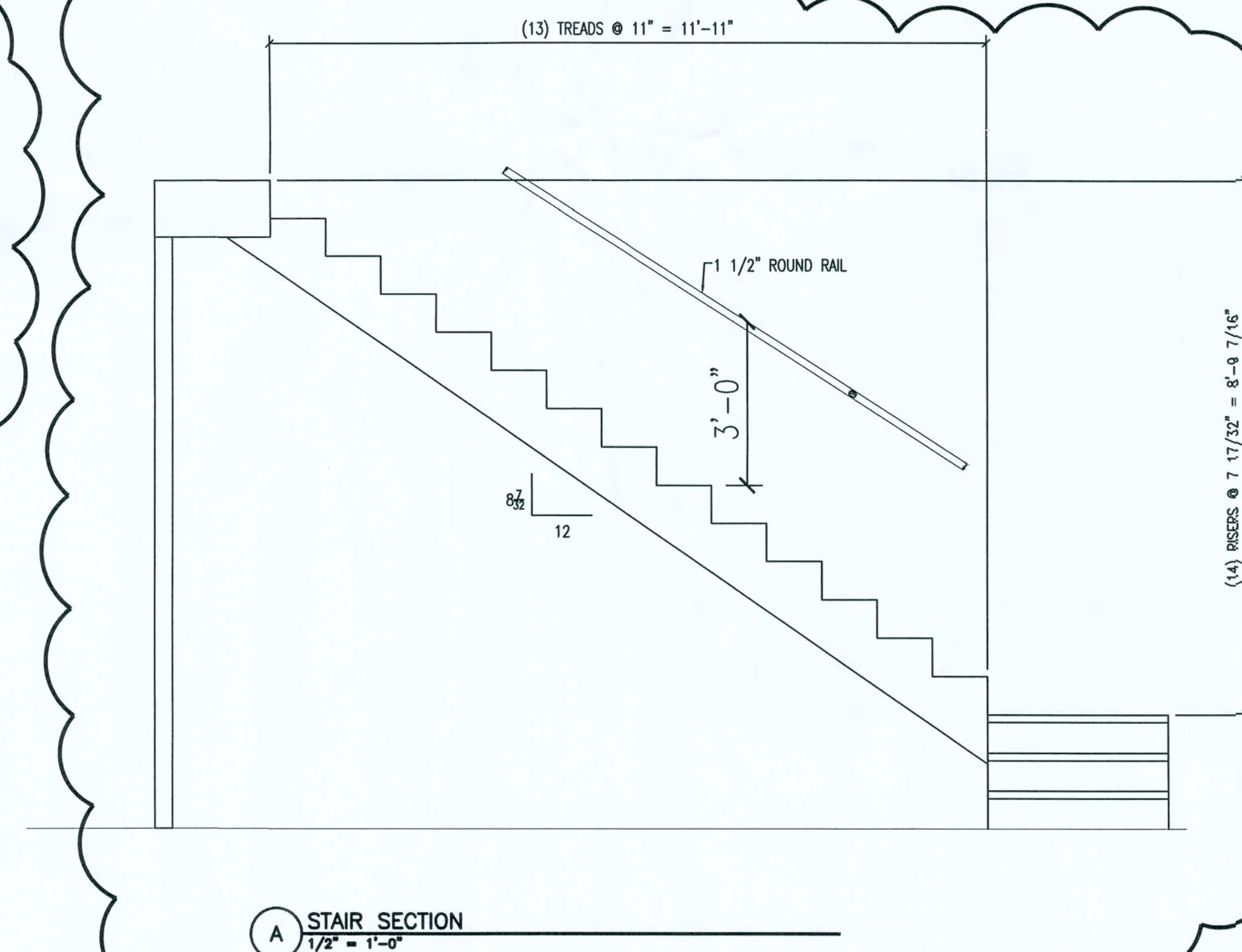
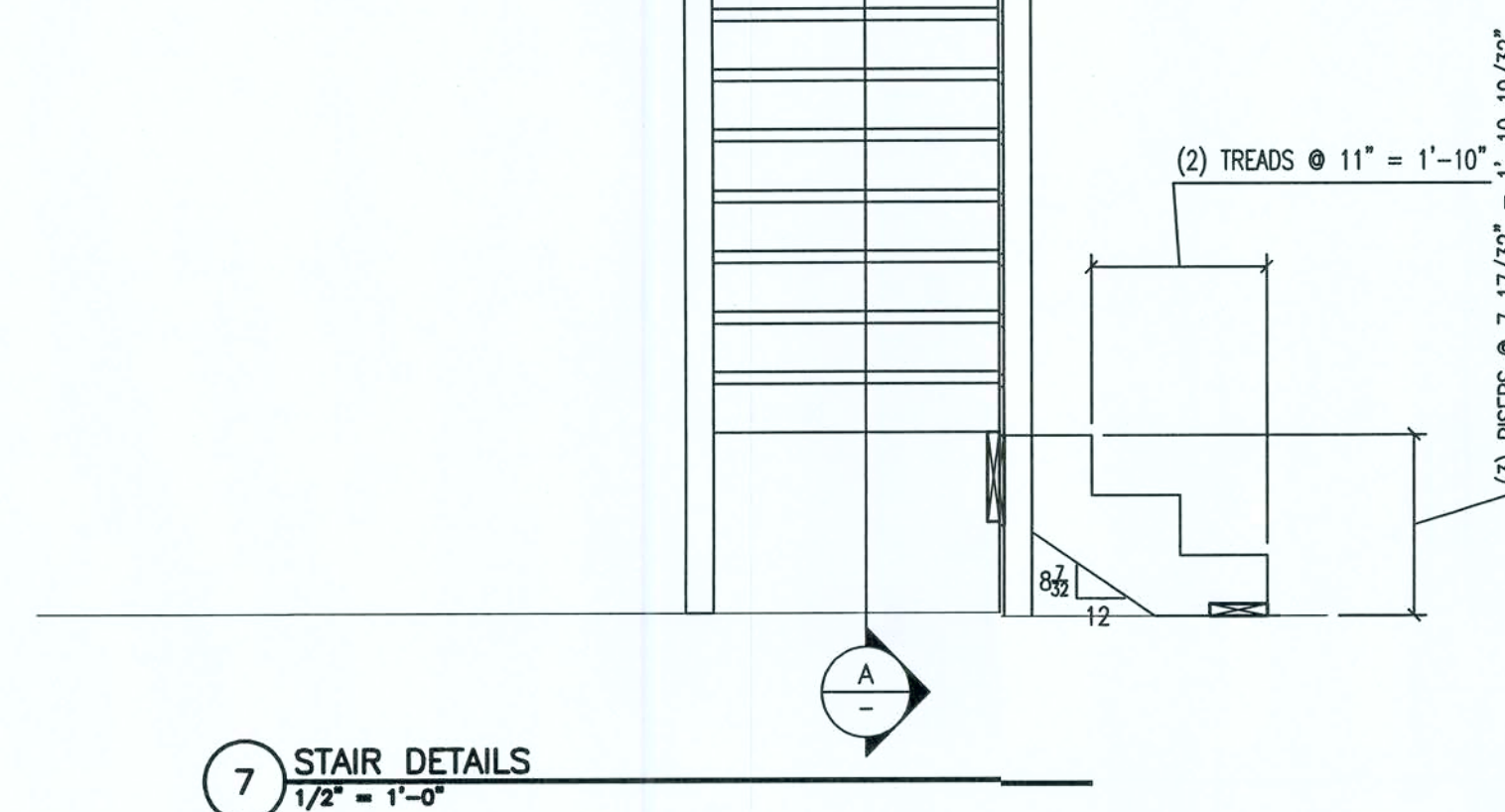
PROJECT NUMBER	PF07-122
DRAWN BY	D. PRICE
CHECKED BY	G.G.

A-2.0

SHEET -



STAIR INFORMATION:	
TOTAL RISE:	10'-8"
TOTAL RUN:	13'-9"
TOTAL # OF TREADS:	15
TOTAL # OF RISERS:	17
ALL CONSTRUCTION TO COMPLY WITH SECTION R311.5 OF CHAPTER THREE OF THE FLORIDA RESIDENTIAL BUILDING CODE.	



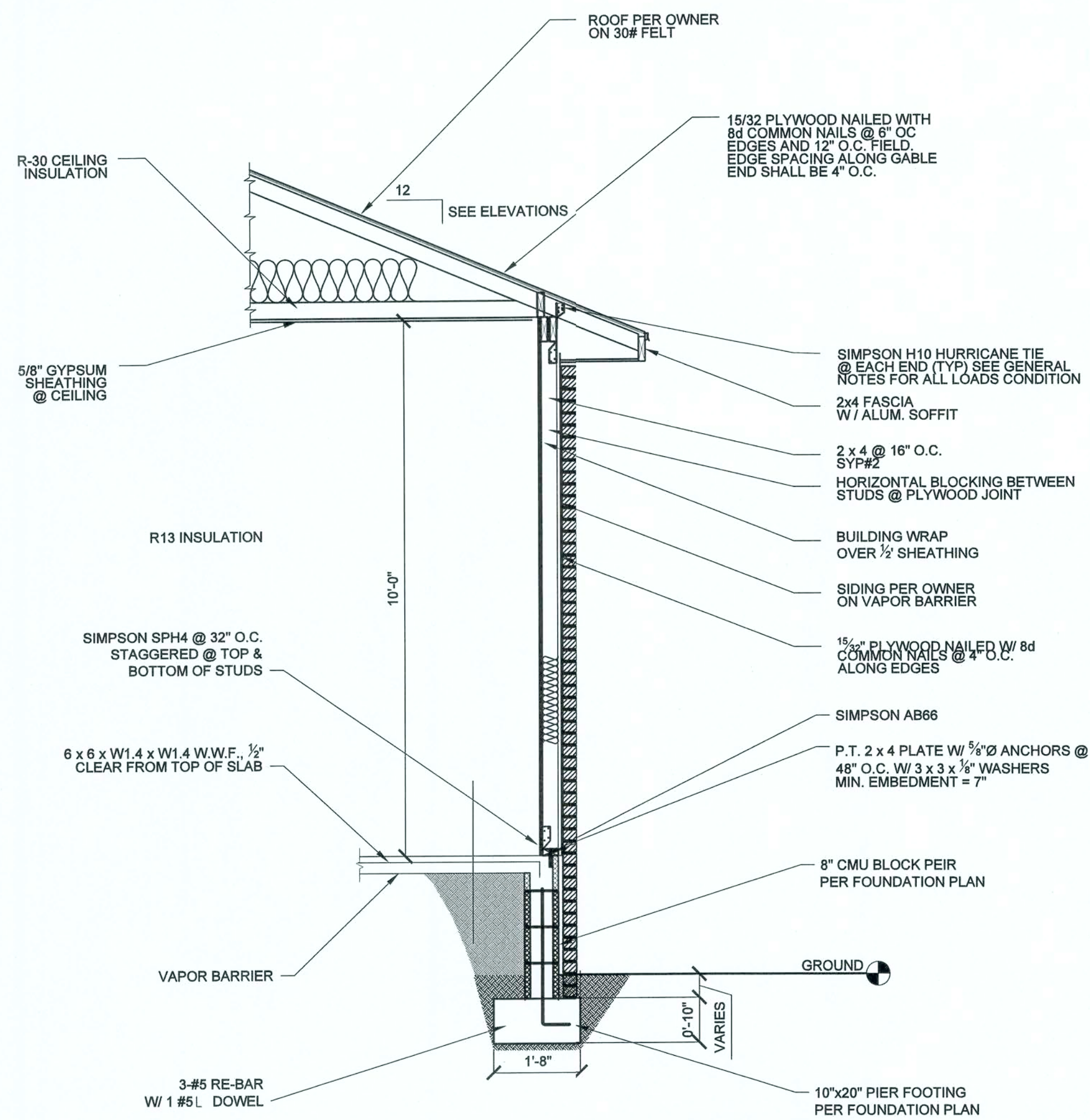
ISSUED FOR CONSTRUCTION

REV #	DATE	REVISION NOTES
1	09-27-07	ADDED STAIR DETAILS
		ADDED HEADER DETAIL
PROJECT NUMBER PF07-122 DRAWN BY D. PRICE CHECKED BY G.G. SHEET -		
CAMPBELL RESIDENCE NEW HOUSE COLUMBIA COUNTY, FL.		
SECTIONS		
A-3		

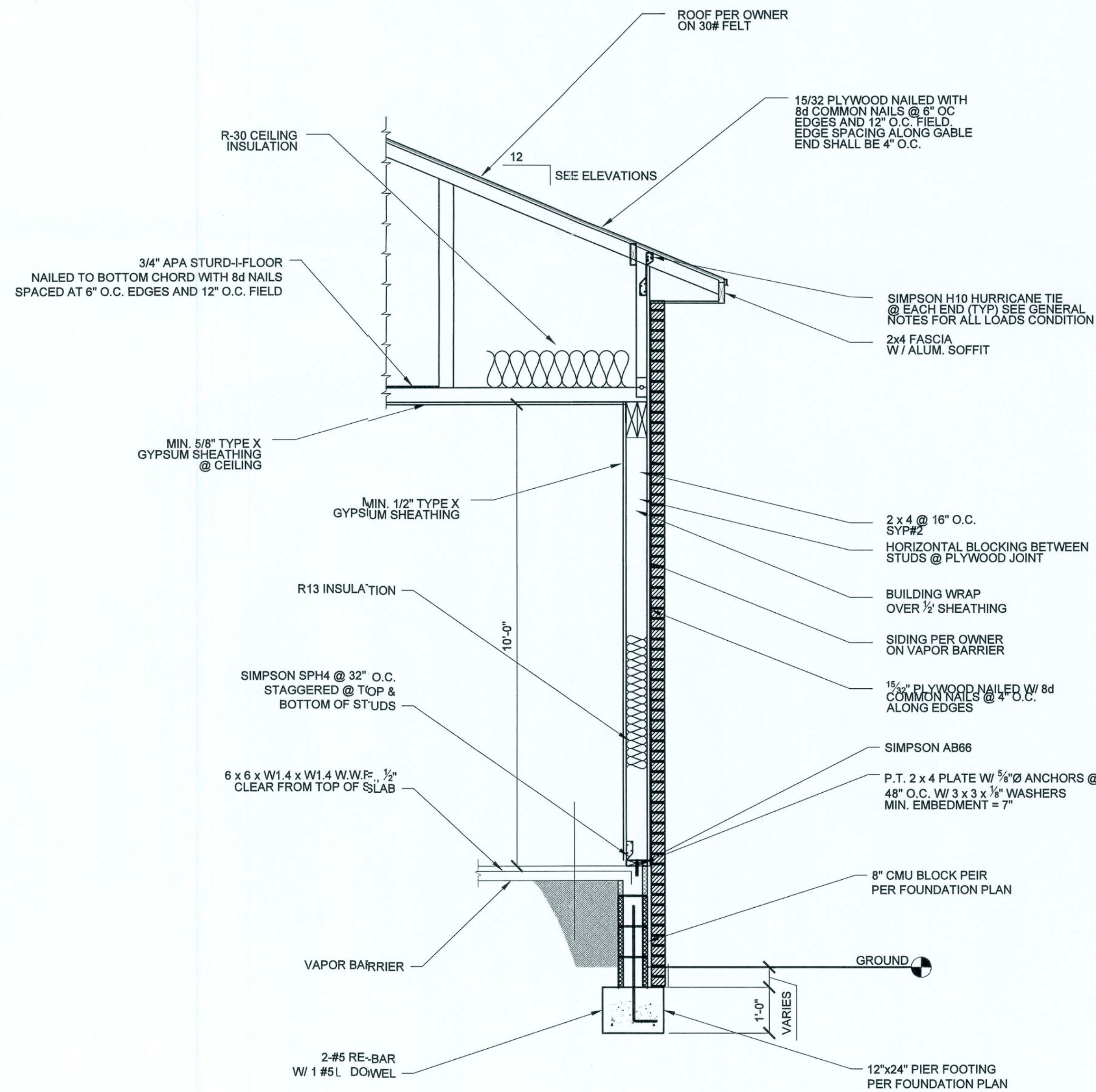
P.O. Box 187
 130 West Howard Street
 Live Oak FL 32064
 Phone: (386) 362-3678
 Fax: (386) 362-6133
 Gary Gill, PE 51942
 AUTH. # 9461
 STRUCTURAL/CIVIL ENGINEERS



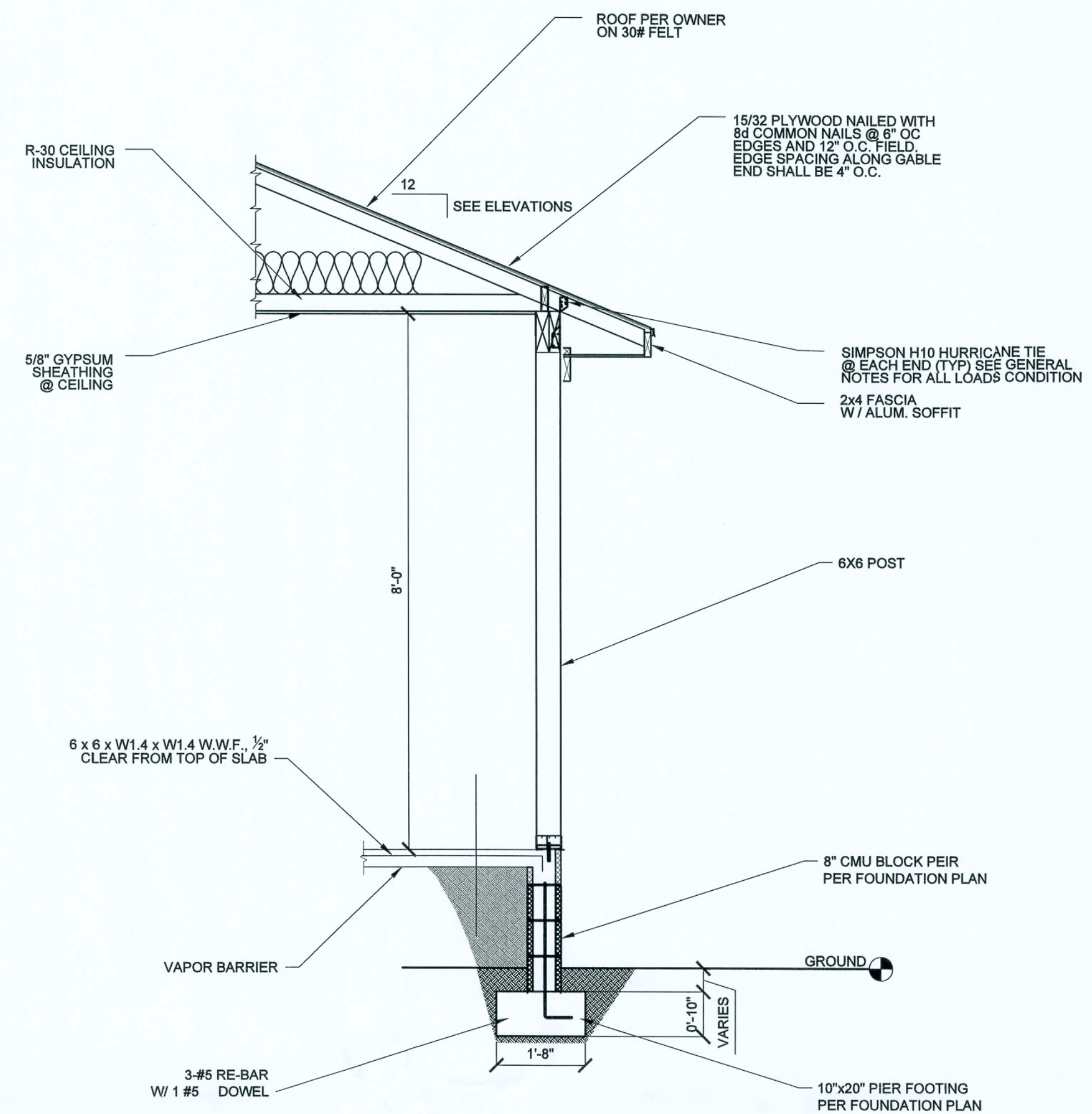
la
 10/2/10



1 WALL DETAIL
1/4" = 1'-0"



3 DETAIL
1/4" = 1'-0"



2 PORCH DETAIL
1/4" = 1'-0"

ISSUED FOR CONSTRUCTION

REV #	DATE	REVISION NOTES
###		

P.O. Box 187
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Live Oak FL 32064
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Fax: (386) 362-6133
Auth. # 9461
STRUCTURAL CIVIL ENGINEERS Gary Gill, PE 51942

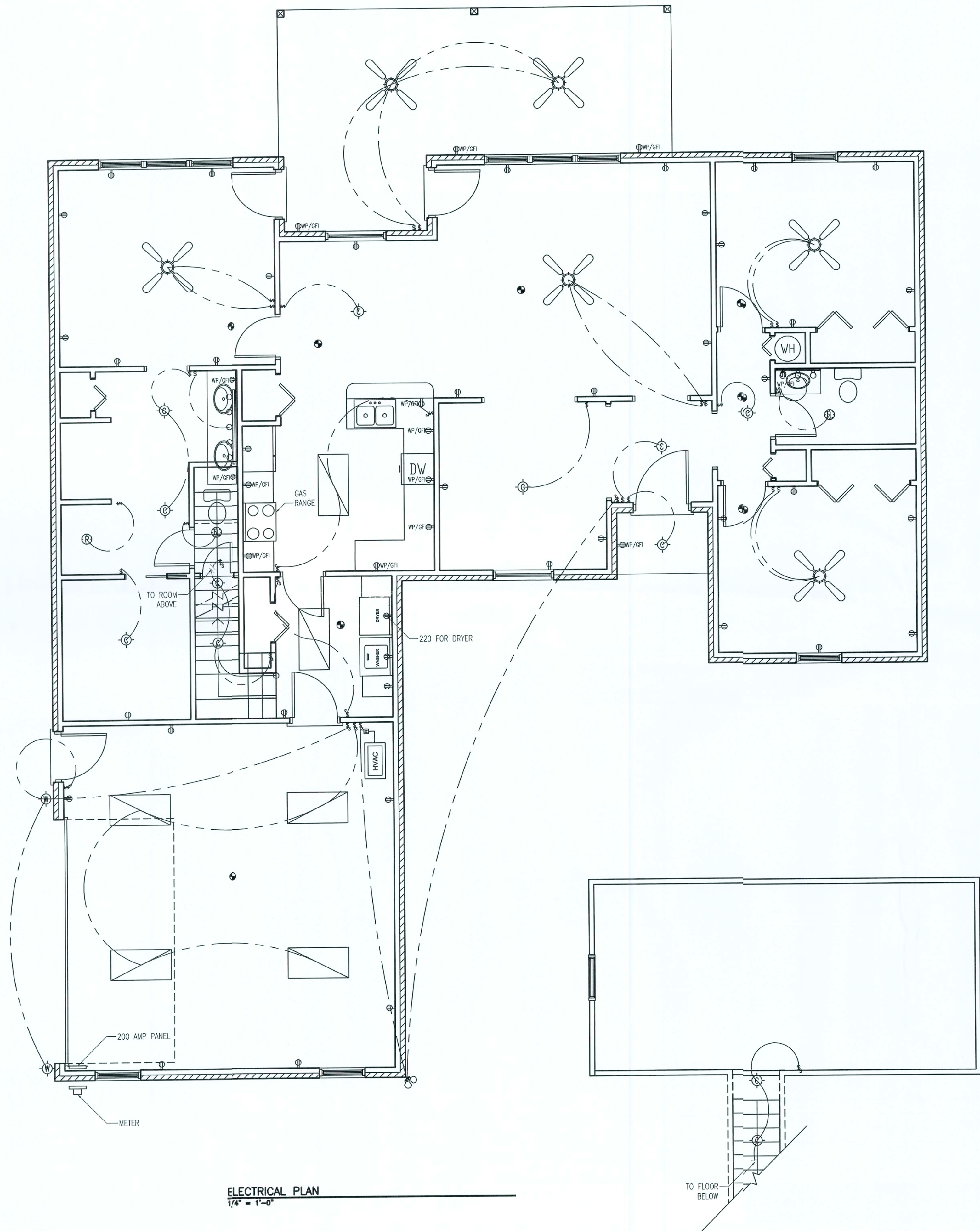
CAMPBELL RESIDENCE
NEW HOUSE
COLUMBIA COUNTY, FL.

SECTIONS (2)

PROJECT NUMBER
PF07-122
DRAWN BY
D. PRICE
CHECKED BY
G.G.

A-4

SHEET



ELECTRICAL LEGEND		
SYMBOL	QUANTITY	DESCRIPTION
	40	STANDARD OUTLET
	1	220 OUTLET
	14	WATER PROOF GFI OUTLET
	23	SINGLE POLE SWITCH
	10	3 WAY SWITCH
	6	48" FLUORESCENT LIGHT
	10	CEILING MOUNTED DOME LIGHT
	1	EXTERIOR FLOOD LIGHT
	2	VANITY LIGHT
	2	FAN / LIGHT COMBO
	2	EXTERIOR WALL MOUNTED LIGHT
	6	CEILING FAN W/ LIGHT
	1	200 AMP PANEL
	1	METER
	8	SMOKE DETECTOR

ELECTRICAL PLAN NOTES

WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.

CONSULT THE OWNER FOR THE NUMBER OF SEPARATE 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 OWNERS 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.

ALL BEDROOM RECEPTACLES SHALL BE ON AFCI PROTECTED CIRCUITS

ALL BATHROOM EXHAUST FANS TO BE MIN. 20 C.F.M. CONTINUOUS, OR 50 C.F.M. INTERMITTEN.

ISSUED FOR CONSTRUCTION

REVISION NOTES

REV #	DATE	###



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Auth. # 9461

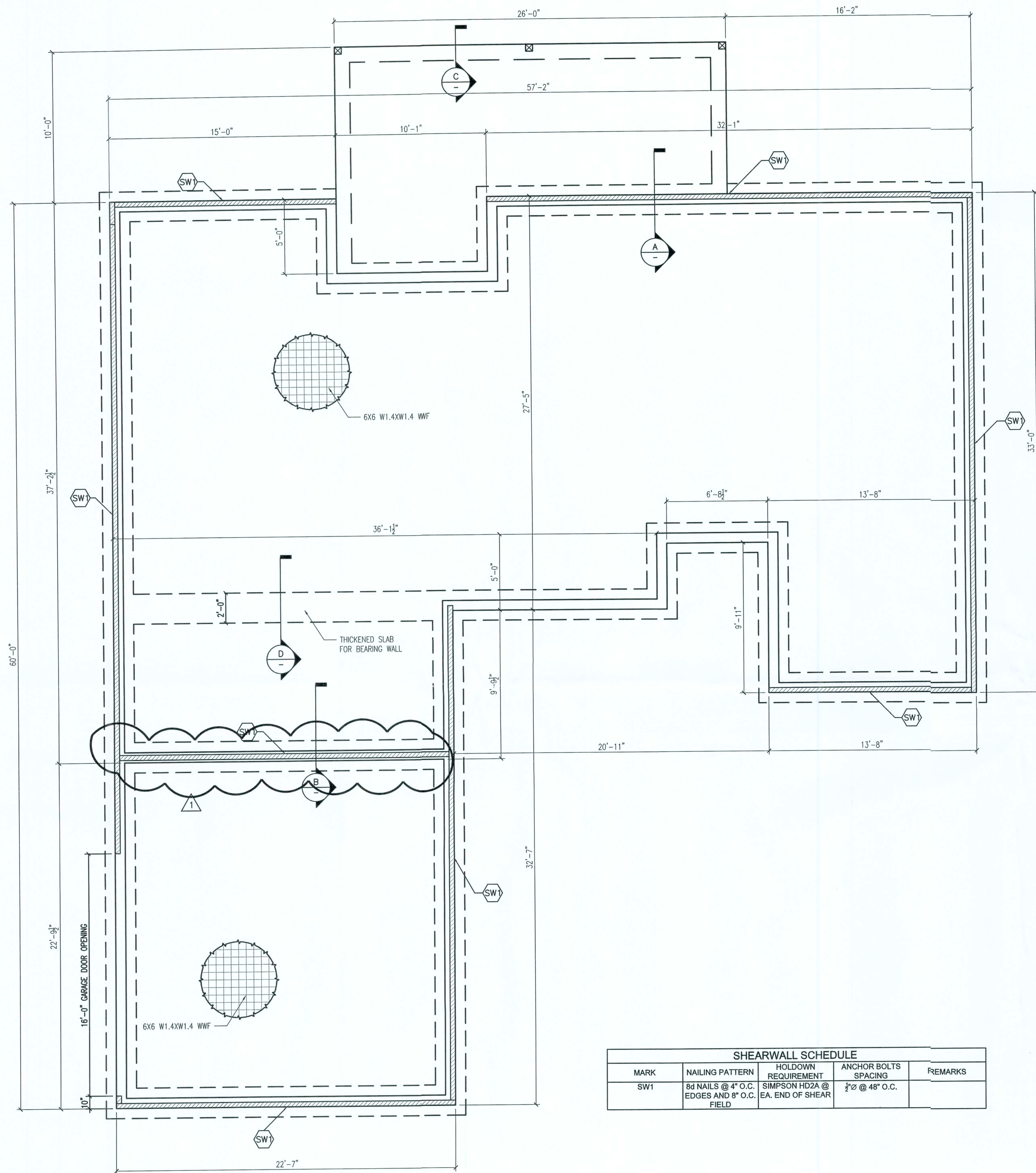
STRUCTURAL/CIVIL ENGINEERS

CAMPBELL RESIDENCE
NEW HOUSE
COLUMBIA COUNTY, FL.

ELECTRICAL PLAN

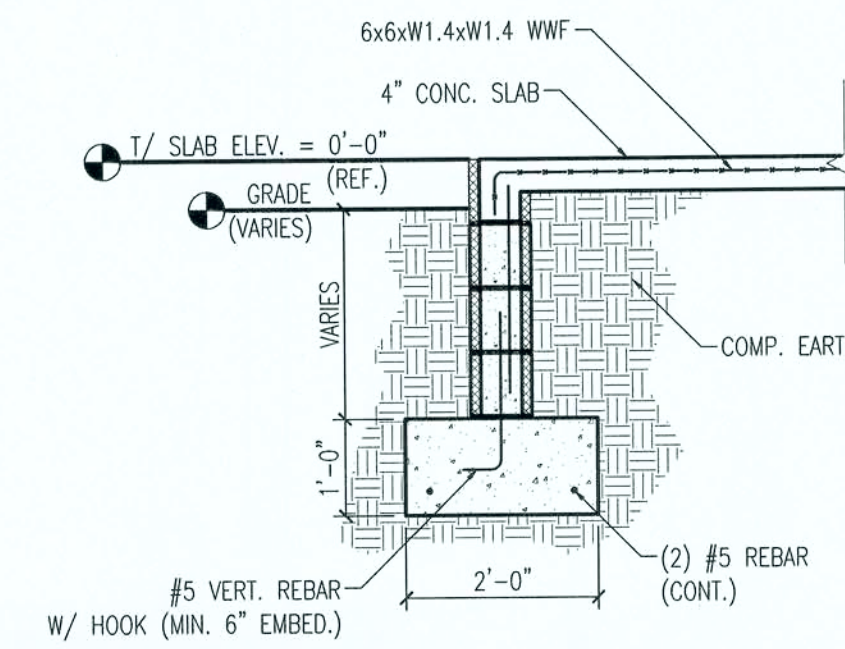
PROJECT NUMBER
PF07-122
DRAWN BY
D. PRICE
CHECKED BY
G.G.
SHEET -

E-1.0

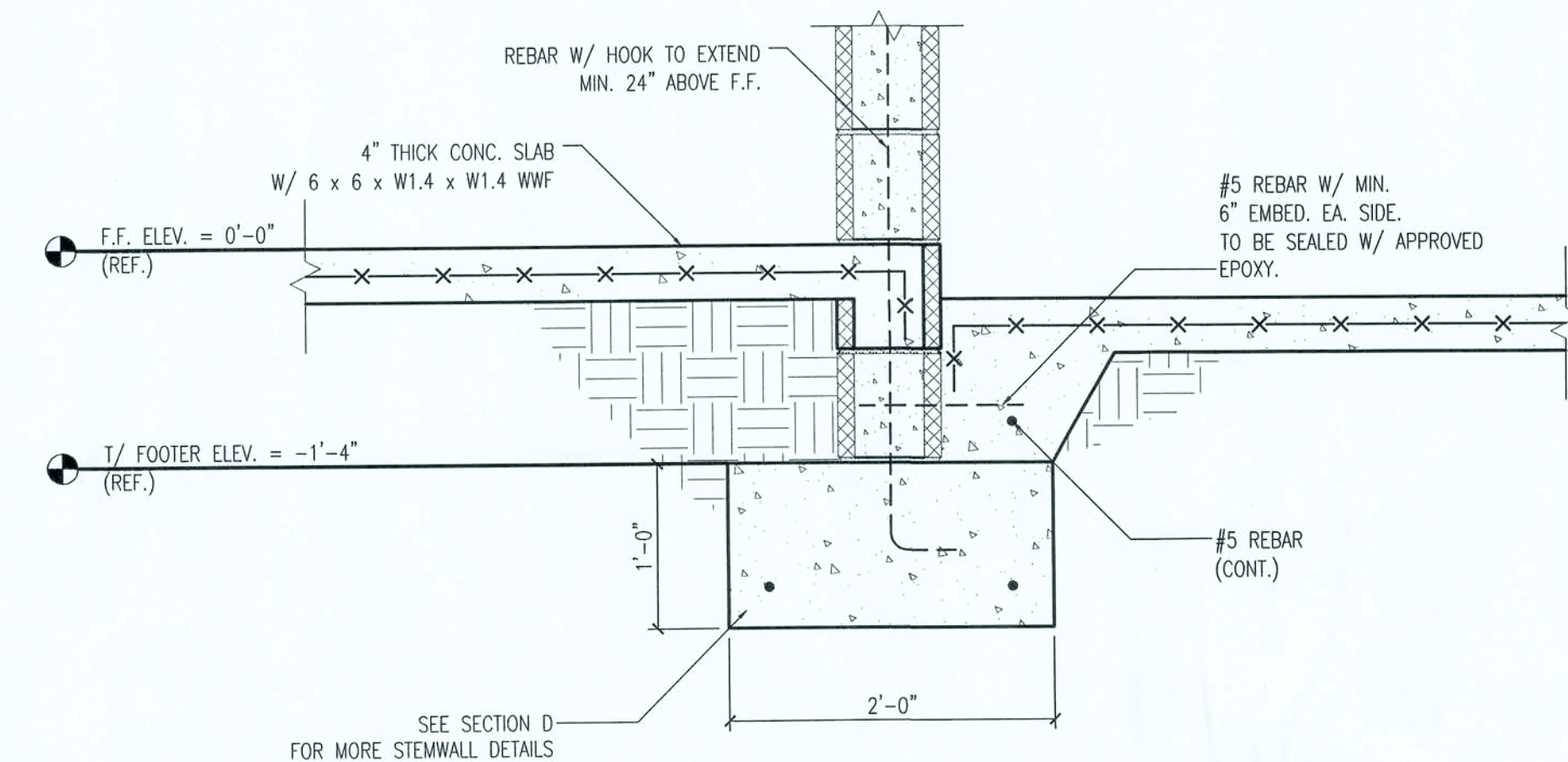


SHEARWALL SCHEDULE				
MARK	NAILING PATTERN	HOLDOWN REQUIREMENT	ANCHOR BOLTS SPACING	REMARKS
SW1	8d NAILS @ 4" O.C. EDGES AND 8" O.C. FIELD	SIMPSON HD2A @ EA. END OF SHEAR	3/8" @ 48" O.C.	

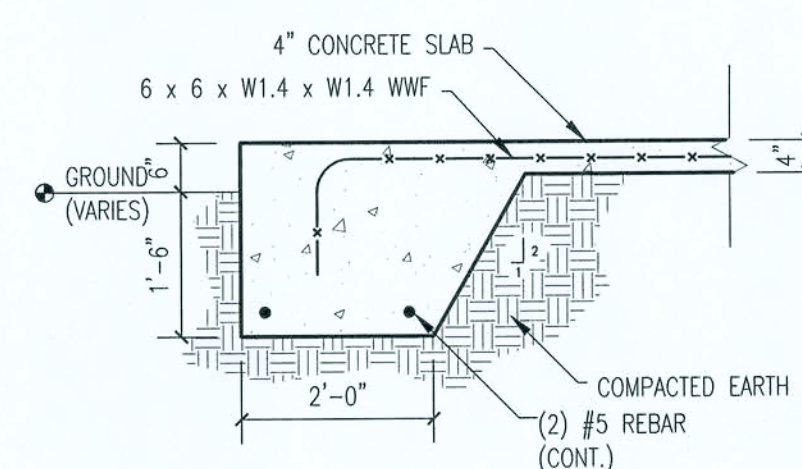
FOUNDATION PLAN
1/4" = 1'-0"



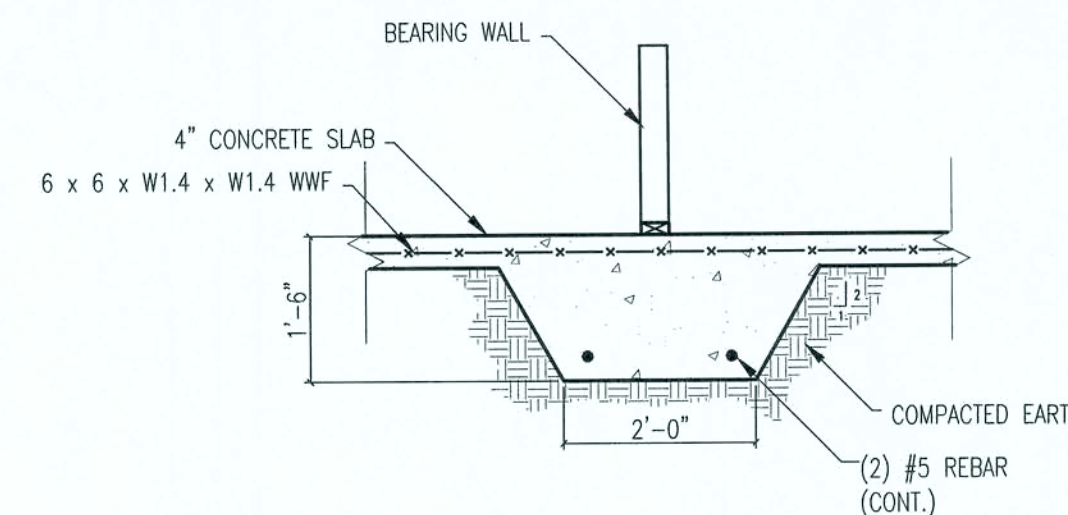
A SECTION A
1/2" = 1'-0"



B SECTION B
1" = 1'-0"



C SECTION C
1/2" = 1'-0"



D SECTION D
1/2" = 1'-0"

ISSUED FOR CONSTRUCTION

REV #	DATE	REVISION NOTES
1	09-27-07	MOVED WALL

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Live Oak FL 32064
Phone: (386) 362-3678
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STRUCTURAL CIVIL ENGINEERS Gary Gill, PE 51942
Auth. # 9461



CAMPBELL RESIDENCE
NEW HOUSE
COLUMBIA COUNTY, FL.

FOUNDATION PLAN

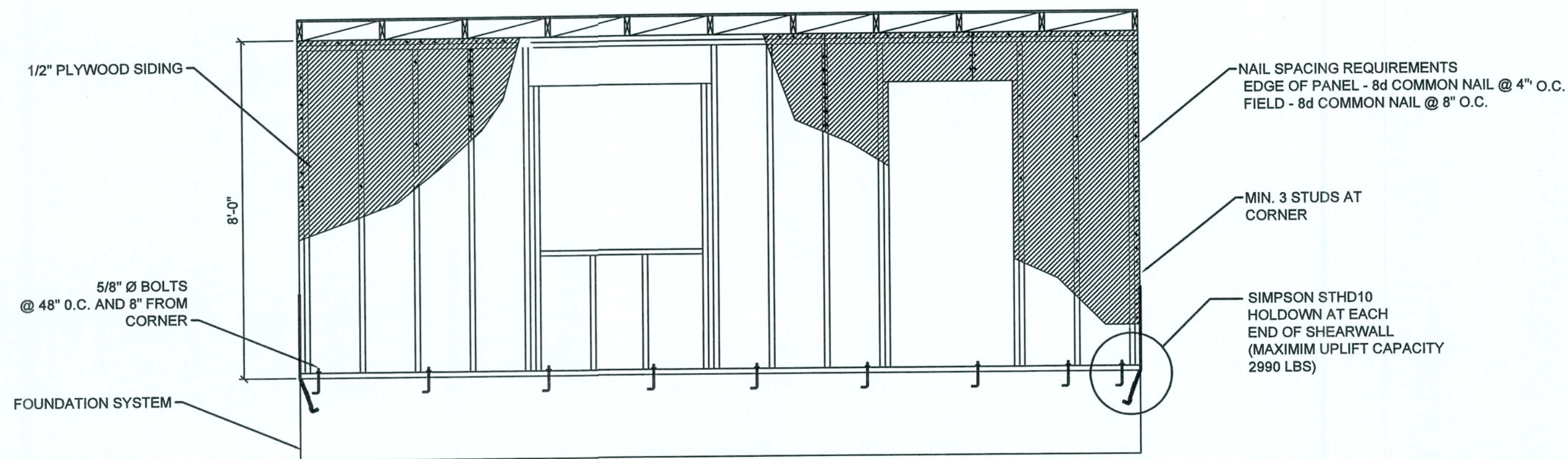
PROJECT NUMBER
PF07-122
DRAWN BY
D. PRICE
CHECKED BY
G.G.

S-1.0

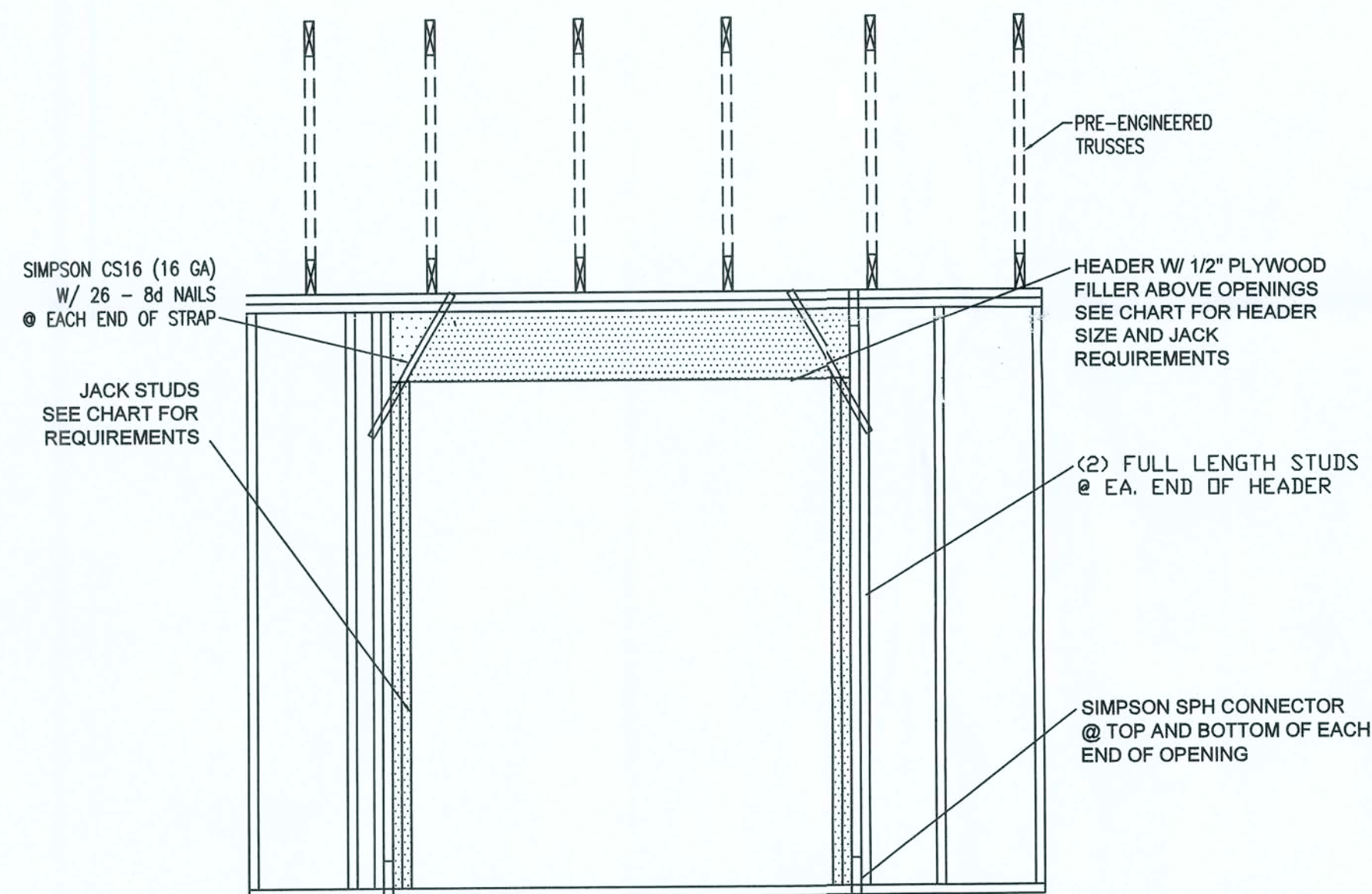
10/2/07



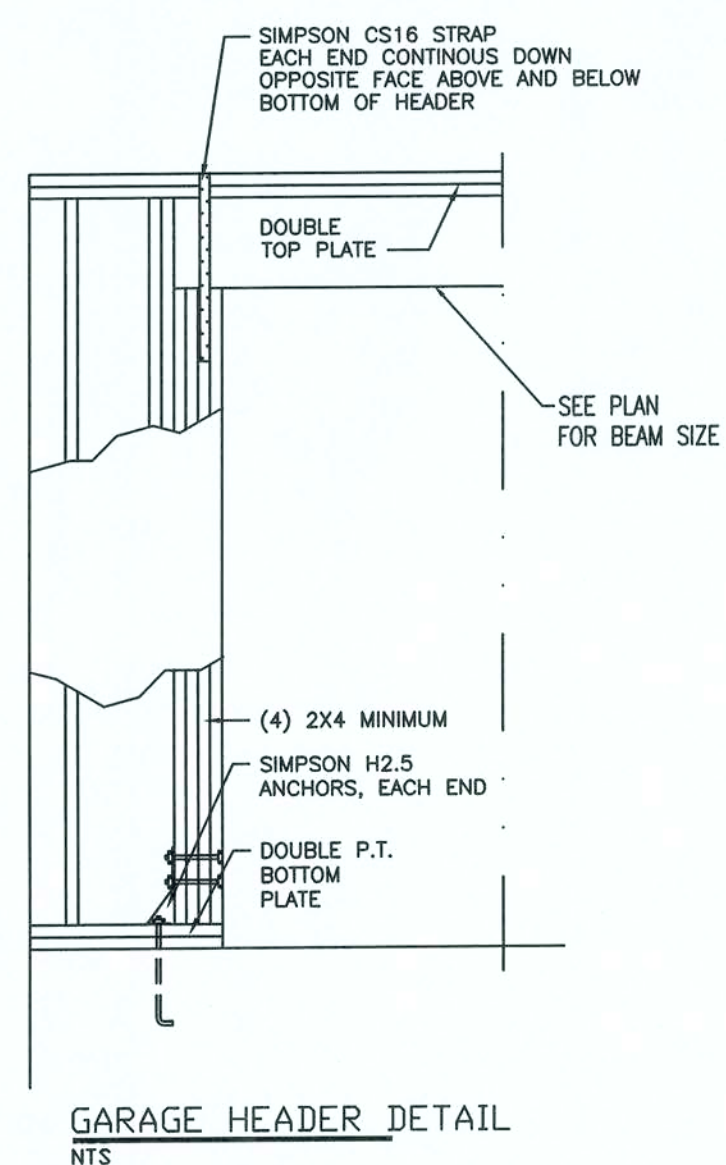
10/2/0



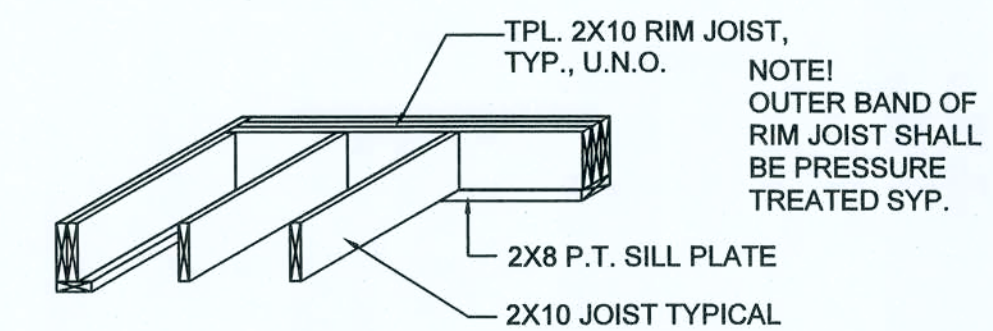
TYPICAL PERFORATED SHEARWALL
SCALE 3/8"=1'-0"



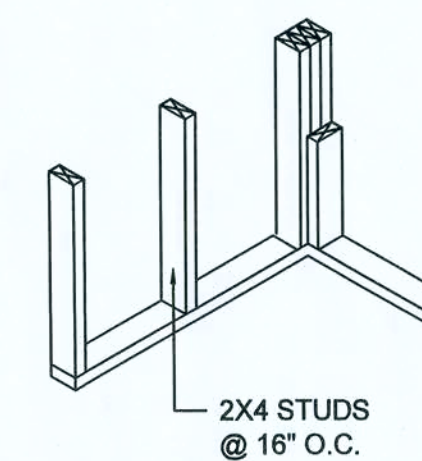
TYP. FRAMING & UPLIFT CONNECTIONS FOR OPENINGS



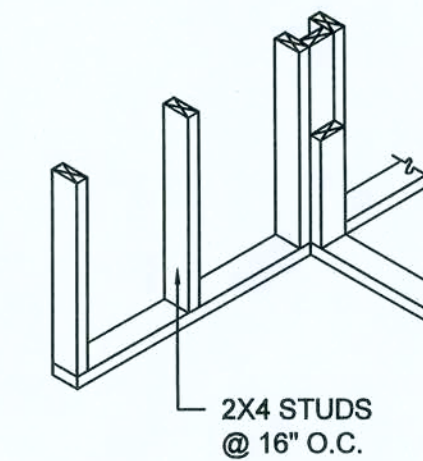
SUPPORTING:		HEADER SPANS FOR EXTERIOR BEARING WALLS					
		BUILDING WIDTH (FT)					
		20'		28'		36'	
HEADER SIZE		SPAN	# JACKS	SPAN	# JACKS	SPAN	# JACKS
2-2x4	3'-6"	1		3'-2"	1	2'-10"	1
2-2x6	5'-5"	1		4'-8"	1	4'-2"	1
2-2x8	6'-10"	1		5'-11"	2	5'-4"	1
2-2x10	8'-5"	2		7'-3"	2	6'-6"	2
2-2x12	9'-9"	2		8'-5"	2	7'-6"	2
3-2x8	8'-4"	1		7'-5"	1	6'-8"	1
3-2x10	10'-6"	1		9'-1"	2	8'-2"	1
3-2x12	12'-2"	2		10'-7"	2	9'-5"	2
4-2x8	9'-2"	1		8'-4"	1	9'-2"	1
4-2x10	11'-8"	1		10'-6"	1	9'-5"	1
4-2x12	14'-1"	1		12'-2"	2	10'-11"	1



TYPICAL 1st FLOOR FRAMING
NOTE: SEE PLANS FOR SIZE & SPACING

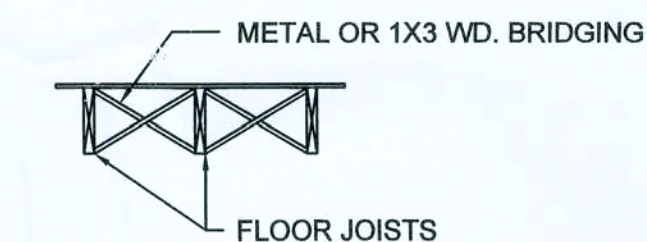
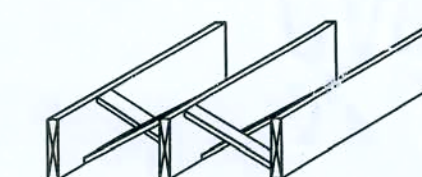


WALL CORNER

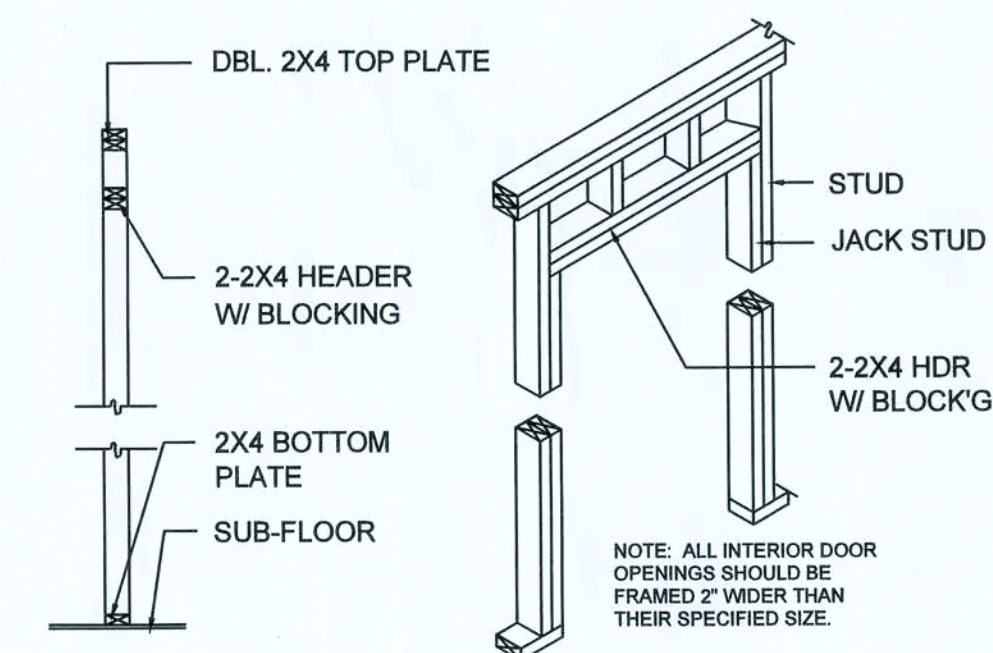


WALL INTERSECTION

NAIL BRIDGING STRIPS AT TOP, BUT NOT AT BOTTOM, INSTALL SUB-FLOOR THEN SECURELY NAIL BRIDGING IN PLACE AFTER FRAMING IS COMPLETE.



NOTE: ALTERNATE BRIDGING MAY BE ACCOMPLISHED W/ SECTIONS OF FLOOR JOIST MATERIAL PLACED PERPENDICULAR TO JOISTS, STAGGERED ALONG THE LINE OF BRIDGING.



NON-BEARING WALL HEADER

REV #	DATE	REVISION NOTES
###		

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Gary Gill, PE 51942
Auth. # 9461



**CAMPBELL RESIDENCE
NEW HOUSE
COLUMBIA COUNTY, FL.**

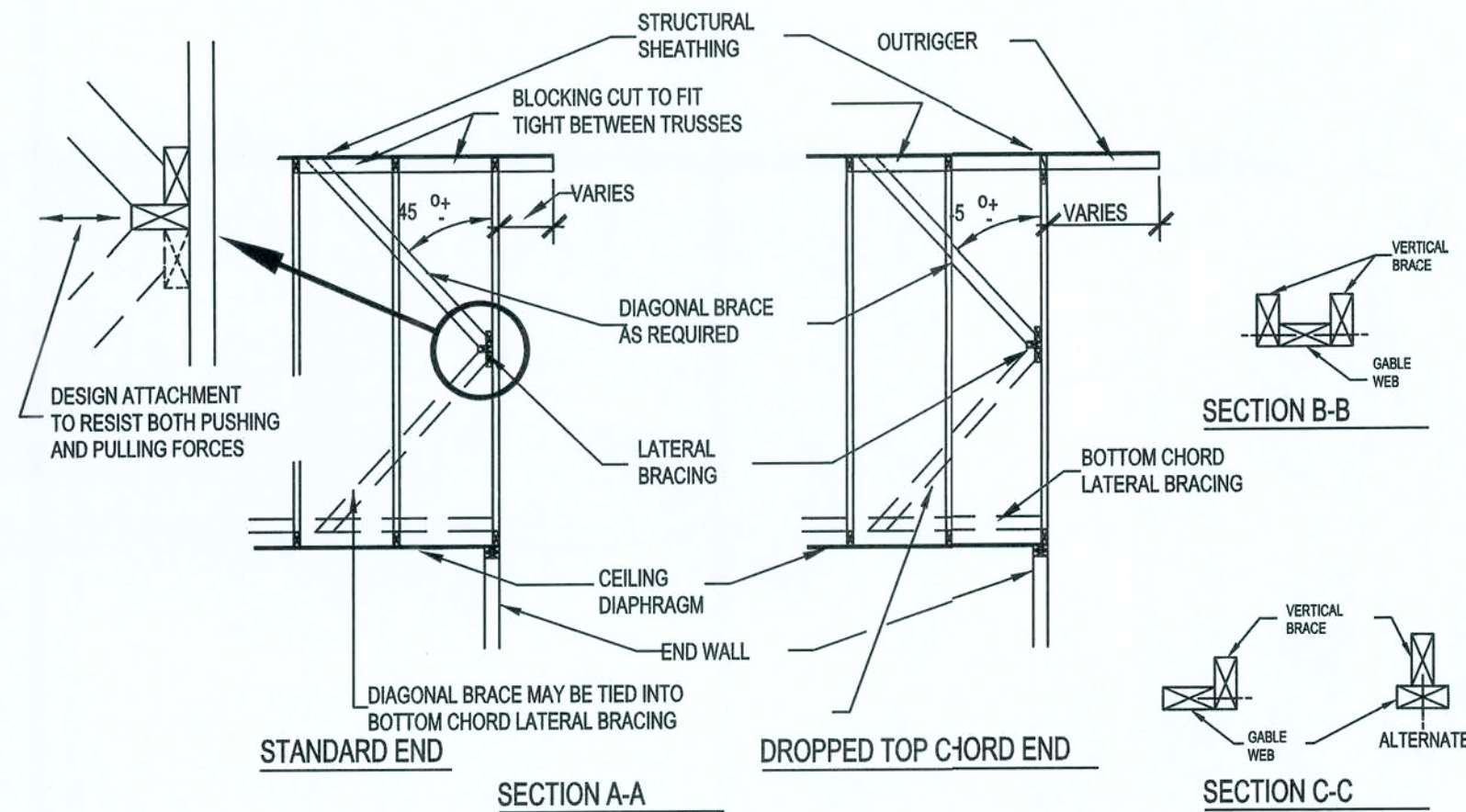
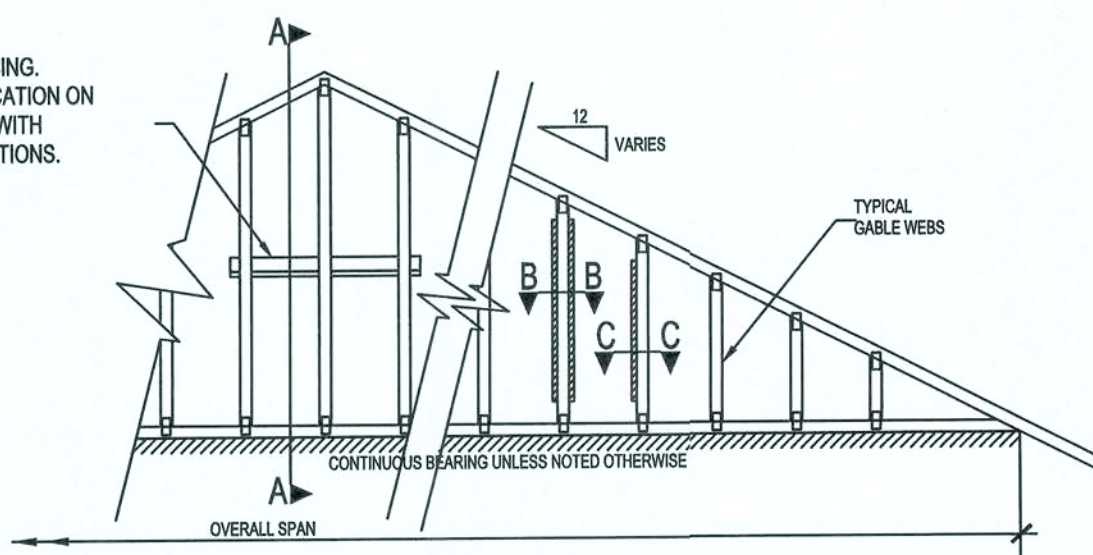
WALL DETAILS

PROJECT NUMBER
PF07-122
DRAWN BY
D. PRICE
CHECKED BY
G.G.

S-3

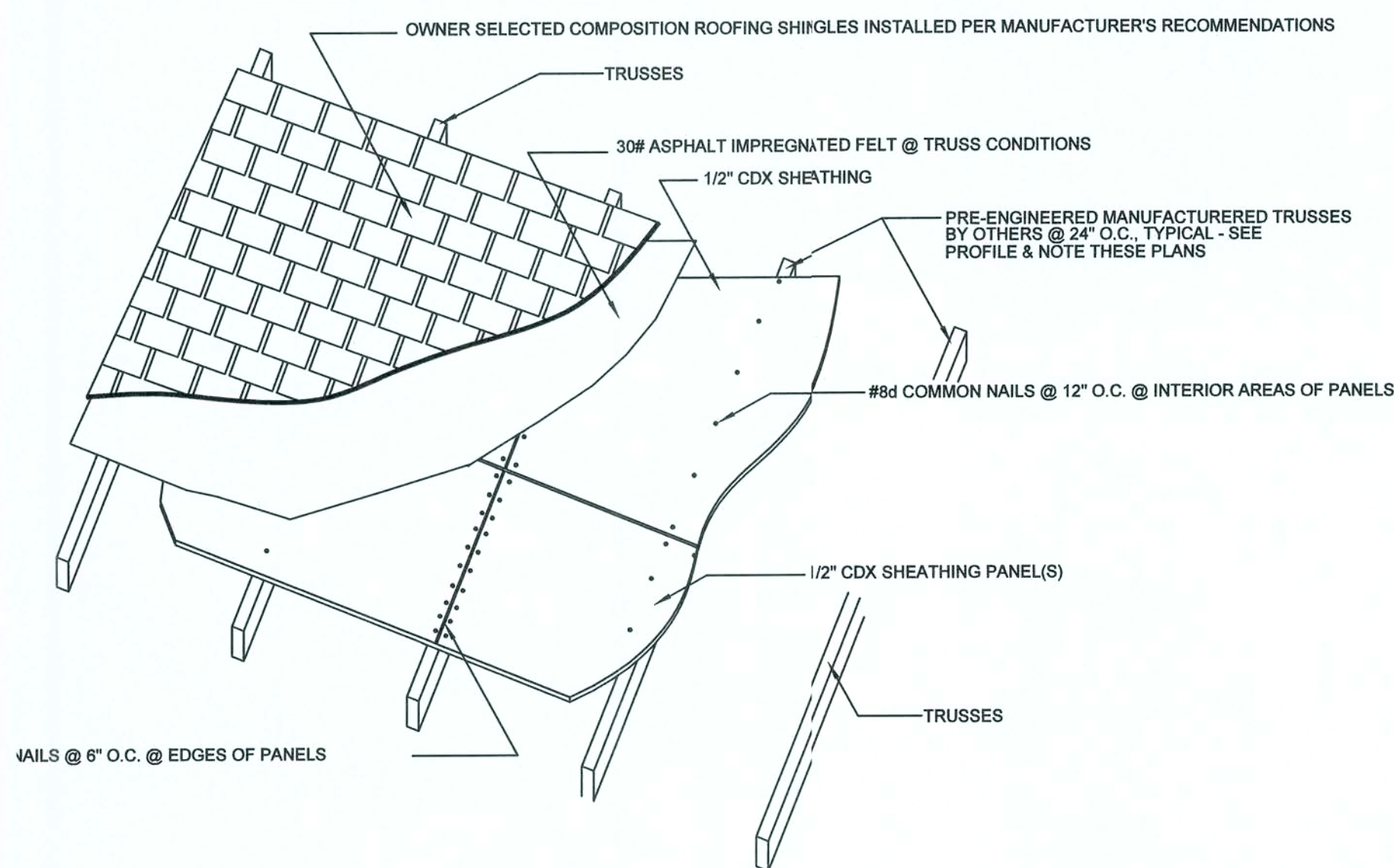
ISSUED FOR CONSTRUCTION

LATERAL BRACING.
NUMBER & LOCATION ON
WEBS VARIES WITH
DESIGN CONDITIONS.



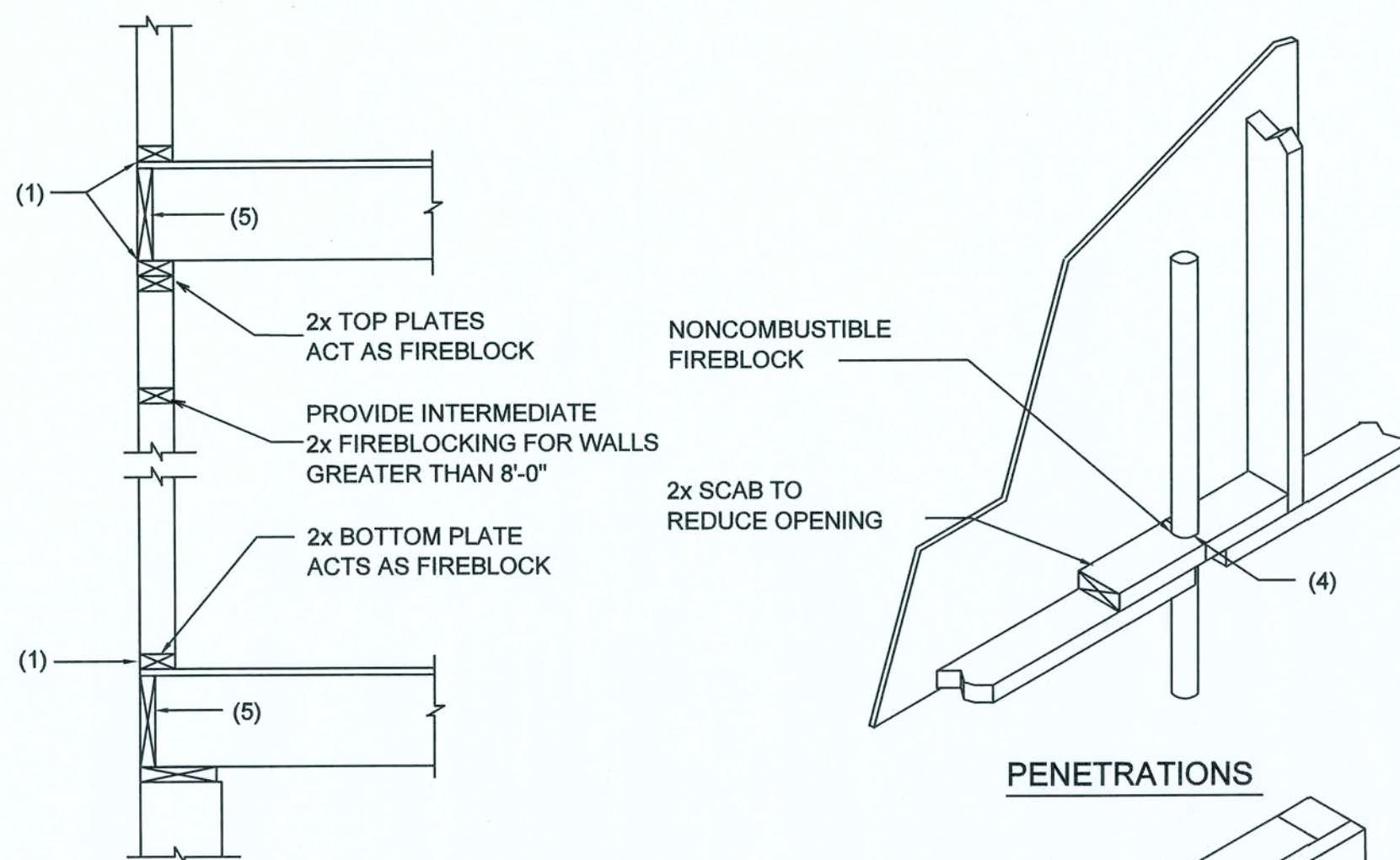
NOTES:

- 1) ACTUAL BRACING REQUIREMENTS WILL VARY DUE TO WIND LOAD, CODE CRITERIA, BUILDING HEIGHT, TRUSS SPAN, WEB LUMBER GRADE/SPECIES/ON CENTER SPACING AND OTHER VARIABLES. BRACING (AND ATTACHMENT) REQUIREMENTS SHOULD BE DESIGNED FOR EACH SPECIFIC JOB.
- 2) CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL, AS WELL AS THE DESIGN AND SPECIFICATION OF TEMPORARY AND PERMANENT BRACING OF THE ROOF SYSTEM IS THE RESPONSIBILITY OF THE BUILDING DESIGNER.

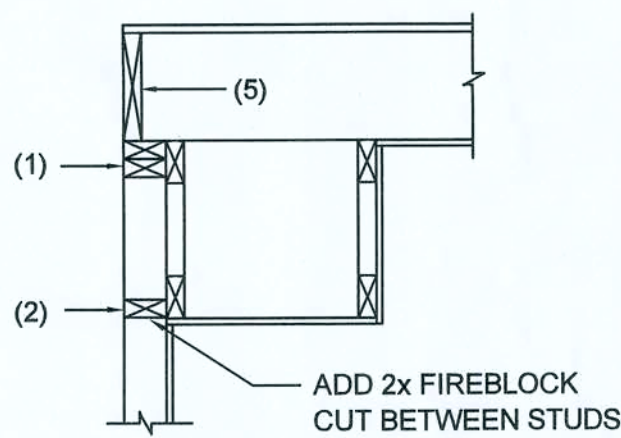


2-Oct-07

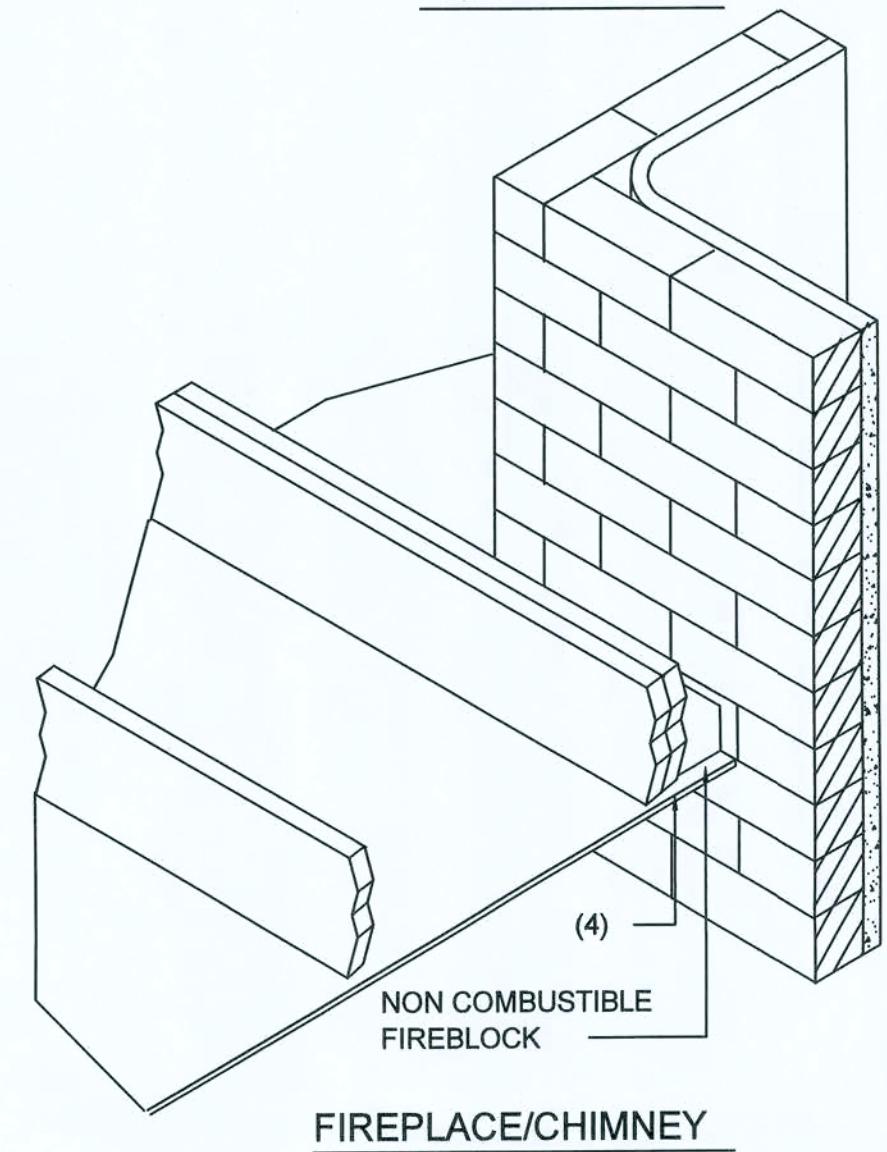
ROOFING & SHEATHING CONNECTIONS TO TRUSSES



PLATFORM FRAMING



SOFFIT/DROPPED CLG.



NOTE:

SHEATHING ON FIRE RATED ASSEMBLIES SHALL BE 2 LAYERS OF 5/8\"/>

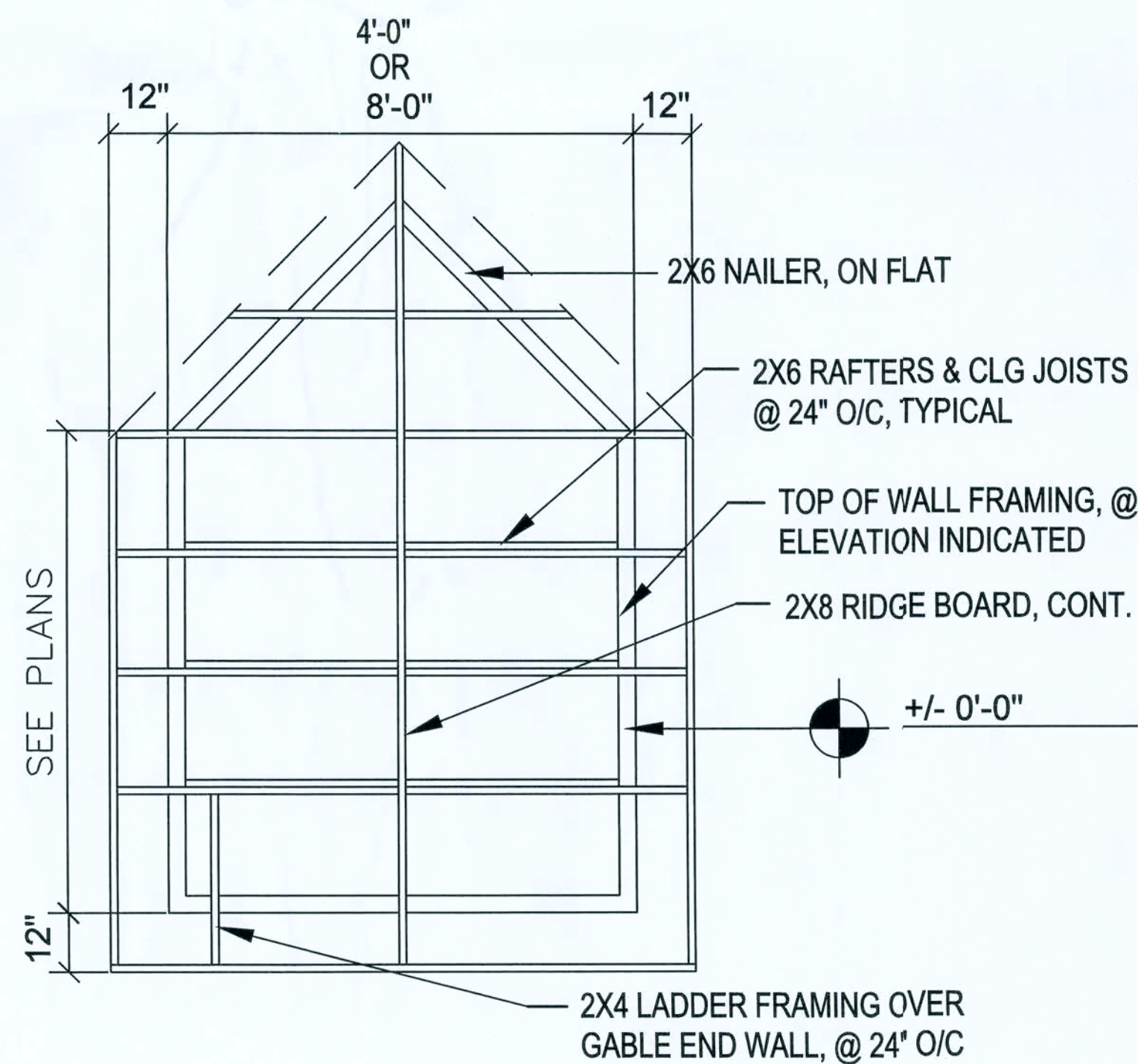
Fire Stopping DETAILS

SCALE: NONE

FIREBLOCKING NOTES:

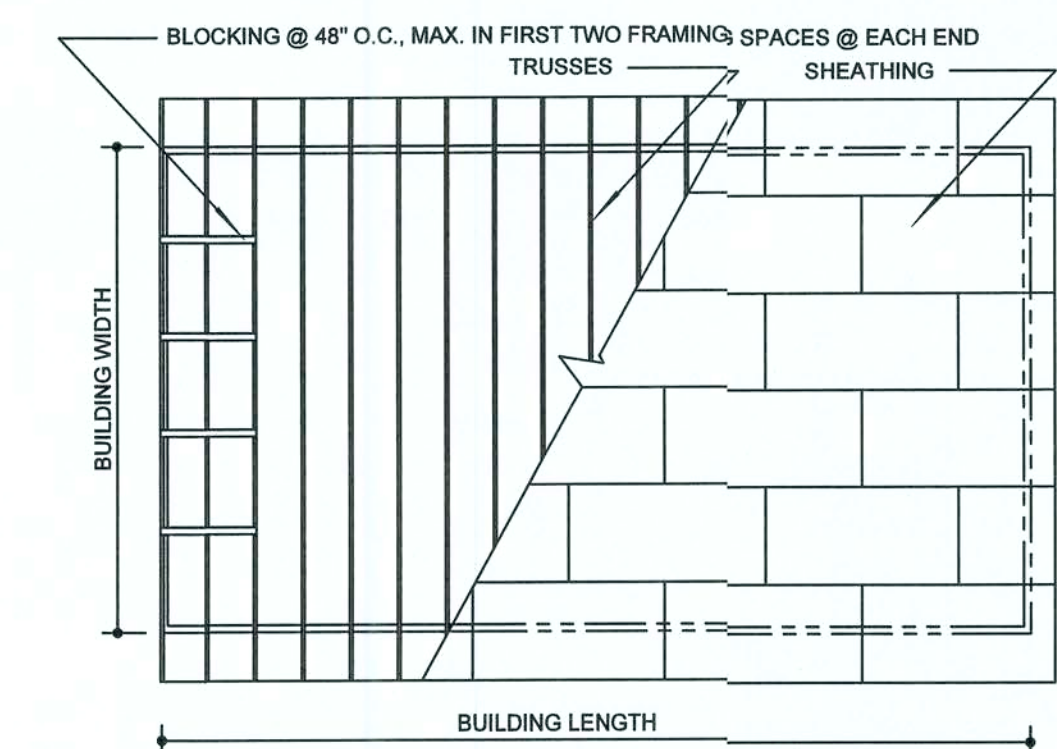
FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:

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. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROPANEL MULTIFLEX SEALANT"
4. 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.



GABLE END FRAMING

NTS



ROOF SHEATHING LAYOUT AND ENDWALL ROOF BRACING

REV #	DATE	REVISION NOTES
-	05-24-07	ISSUED FOR CONSTRUCTION

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Live Oak FL 32064
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Fax: (386) 362-6133
Auth: # 9461



STRUCTURAL CIVIL ENGINEERS

CAMPBELL RESIDENCE

COLUMBIA COUNTY, FL.

ROOF NOTES

PROJECT NUMBER	PF07-179
DRAWN BY	D. PRICE
CHECKED BY	G.G.
SHEET	S-4.0

ISSUED FOR CONSTRUCTION

6/10/2/10

DESIGN CRITERIA

DESIGN PER 2004 FLORIDA BUILDING CODE, UNLESS OTHERWISE NOTED.

LIVE LOADS:			
ROOFS AND CANOPIES:	0 TO 200 SF	.....	16PSF
	201 TO 600 SF	.....	14PSF
	OVER 600 SF	.....	12PSF
STAIRS	.....	100SF	.....
FLOORS	.....	50PSF	.....
CORRIDORS	.....	80PSF	.....
LOBBIES	.....	30PSF	.....
BALCONIES	.....	80PSF	.....
PARTITION LOAD (DEAD LOAD)	.....	20PSF	.....

WIND LOADS:			
BASIC WIND SPEED: (ASCE 7)	.....	110 MPH	.....
MEAN ROOF HEIGHT	.....	21 FT	.....
WIND IMPORTANCE FACTOR (CATEGORY II)	.....	1.0	.....
WIND EXPOSURE	.....	B	.....
ENCLOSURE CLASSIFICATION	.....	ENCLOSED	.....
INTERNAL PRESSURE COEFFICIENT	.....	0.18	.....
DIRECTIONALITY FACTOR (Kd)	.....	0.85	.....
SHAPE FACTORS	.....	PEF CODE	.....

THIS BUILDING IS NOT LOCATED IN THE WIND BORNE DEBRIS REGION. IMPACT RESISTANT GLAZING IS NOT REQUIRED.

DESIGN WIND PRESSURES FOR COMPONENTS & CLADDING:			
WALLS & WALL OPENINGS			
TRIBUTARY AREA	INTERIOR ZONE	END ZONE	
	(> 6.3 ft FROM BLDG. CORNER)	(< 6.3 ft FROM BLDG. CORNER)	
	10 sf	-23.61 / 21.7	-29.2' / 21.77
25 sf	-22.31 / 20.5	-26.51 / 20.5	
(LINEARLY INTERPOLATE BETWEEN STATED VALUES)			
ROOFS & ROOF OPENINGS			
TRIBUTARY AREA	INTERIOR ZONE	END ZONE	
	(> 6.3 ft FROM BLDG. CORNER)	(< 6.3 ft FROM BLDG. CORNER)	
	10 sf	-21.77/19.92	-25.46 / 19.92
25 sf	-20.30 / 19.19	-23.91 / 19.19	
(LINEARLY INTERPOLATE BETWEEN STATED VALUES)			

CONCRETE (DESIGN PER CURRENT EDITION ACI 318)	
SLAB ON GRADE	F'C= 4000 PSI
FOOTINGS	F'C= 3000 PSI
ALL OTHER CONCRETE	F'C= 3000 PSI

ALL REINFORCING STEEL ASTM A615 GRADE 60

ALL WELDED WIRE FABRIC ASTM A185

CONCRETE MASONRY (DESIGN PER CURRENT EDITION ACI 530)	
COMPRESSIVE STRENGTH	F'M= 1500 PSI

STRUCTURAL STEEL (DESIGN PER CURRENT EDITION AISC), UNLESS OTHERWISE NOTED MATERIALS SHALL BE AS FOLLOWS:

W-SHAPES	ASTM 992, Fy=50 KSI
OTHER SHAPES & PLATES	ASTM A36, Fy=36 KSI
HSS SQUARE & RECTANGULAR SHAPES	ASTM A500 GRADE B, Fy= 46 KSI
HSS ROUND SHAPES	ASTM A500 GRADE B, Fy=42 KSI
STEEL PIPES	ASTM A53 GRADE B, Fy= 35 KSI
WELDING ELECTRODES	AWS A5.1 OR A5.5 SERIES E70
HIGH-STRENGTH BOLTS	3/4"Ø ASTM A325
ANCHOR RODS	GRADE 36 ASTM F1554
WELDED STUDS	ASTM A108
DEFORMED BARS	ASTM A496
PAINT & PROTECTION	SSPC PAINT 25

SOIL BEARING (DESIGN MAXIMUM).....1000PSF

GENERAL NOTES

CONCRETE

UNLESS OTHERWISE NOTED ON THE DRAWINGS, MINIMUM COVER FOR REINFORCING

SHALL BE AS FOLLOWS:	
FOOTINGS	3"
PILE CAPS	SEE TYPICAL DETAIL
GRADE BEAMS	3"
COLUMNS AND PEDESTALS (OVER VERTICAL REINF)	2"
SLABS AND WALLS (EXPOSED TO EARTH, LIQUID OR WEATHER)	2"
SLABS AND WALLS (NOT EXPOSED TO EARTH, LIQUID OR WEATHER)	1 1/2"
CANOPY SLABS	1 1/2"
BEAMS (OVER MAIN REINFORCING)	1 1/2"
SLABS ON GRADE	2" FROM TOP

ALL REINFORCING SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES IN CONFORMANCE WITH CRSI MANUAL OF STANDARD PRACTICE AND ACI 315 DURING THE PLACEMENT OF CONCRETE.

UNLESS OTHERWISE NOTED, SPLICES IN REINFORCING, WHERE PERMITTED, SHALL BE AS FOLLOWS:
WELDED WIRE FABRIC.....WIRE SPACING PLUS 6"
REINFORCING BARS.....40 BAR DMETERS

ALL HOOKS IN REINFORCING BARS SHALL BE AN ACI STANDARD HOOK, UNLESS OTHERWISE NOTED.

FOUNDATIONS

IF FOOTING EVALUATIONS SHOWN OCCUR IN A DISTURBED, UNSTABLE, OR UNSUITABLE SOIL, THE ENGINEER SHALL BE NOTIFIED.

STEPS IN WALL FOOTINGS SHALL NOT EXCEED A SLOPE OF (1) VERTICAL TO TWO (2) HORIZONTAL

PROVIDE A MINIMUM OF TWO #4 BARS IN TOP OF CONTINUOUS WALL FOOTINGS AT DOOR AND OTHER OPENINGS, 4'-0" LONGER THAN THE OPENING.

TRUSS FASTENER SCHEDULE

LOCATION	UPLIFT	FASTENER (1)	TRUSS	PLATE
ROOF TRUSS	<415#	1-H2.5	5-8d	5-8d
	<505#	1-H10	8-8dx 1 1/2	8-8dx 1 1/2
	<1200#	2-H2.5A	10-8d	10-8d
	<1470	1-H16	10-10dx 1 1/2	10-10d x 1 1/2

NOTES:

1) ALL CONNECTORS LISTED ARE SIMPSON STRONG-TIE. UON. OTHER MANUFACTURERS MAY BE SUBSTITUTED. SCREW SIZE AND NUMBER SHALL BE IN ACCORDANCE WITH MANUFACTURER'S CATALOG. ROOF TRUSS CLIPS SHALL BE SELECTED TO PROVIDE THE UPLIFT RESISTANCE SHOWN ON THE ROOF TRUSS SHOP DRAWINGS.
2) TRUSS ENGINEER MAY PROVIDE ALTERNATE CONNECTIONS.

SUPPLEMENTARY NOTES

PROVIDE ALL TEMPORARY BRACING, SHORING, GUYING OR OTHER MEANS TO AVOID EXCESSIVE STRESSES AND TO HOLD STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION. THE STRUCTURE SHOULD NOT BE CONSIDERED STABLE UNTIL ALL STRUCTURAL ELEMENTS HAVE BEEN CONSTRUCTED.

VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.

SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR EMBEDS, OPENINGS, SLEEVES, ETC. NOT SHOWN ON THE STRUCTURAL DRAWINGS.

ALL STRUCTURAL OPENINGS AROUND OR AFFECTED BY MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT SHALL BE VERIFIED WITH EQUIPMENT PURCHASED BEFORE PROCEEDING WITH STRUCTURAL WORK AFFECTED.

EMBEDMENT FOR EXPANSION BOLTS SHALL BE 3 1/2"Ø MINIMUM FOR 3/4" BOLTS IN CONCRETE, 5 1/2" IN GROUTED MASONRY. HILTI KWIK BOLT II OR EQUAL.

EPOXY GROUT SHALL BE POWER FAST CARTRIDGE SYSTEM BY RAWL, HY150 CARTRIDGE SYSTEM BY HILTI: (HILTI RES50, IF HOLE IS CORED INSTEAD OF DRILLED) OR APPROVED EQUAL. UON. EMBEDMENT SHALL BE 12 BAR DIAMETERS MINIMUM. UON. HOLES SHALL BE 1/2" LARGER THAN REBAR SIZE, AND 1/8" LARGER THAN THREADED ROD SIZE. HOLE SHALL BE BRUSHED OUT WITH BOTTLE BRUSH AND THEN BLOWN OUT WITH AIR USING A COMPRESSOR WITH A FUNCTIONAL OIL TRAP. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS PRINTED INSTRUCTIONS.

ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE SEAL OF AN ENGINEER IN THE STATE OF THE PROJECT.

GENERAL CONTRACTOR MUST REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO SUBMITTAL TO ARCHITECT / ENGINEER. SUBMITTALS WHICH DO NOT CONTAIN THE CONTRACTOR'S SHOP DRAWING STAMP OR HAVE BEEN MERELY "RUBBER STAMPED" SHALL BE RETURNED WITHOUT REVIEW.

CHANGES TO THE CONTRACT DOCUMENTS SHALL BE CLOUDED ON SHOP DRAWINGS OR REQUESTED IN WRITING. THE CONTRACTOR IS LIABLE FOR ANY DEVIATIONS UNLESS REVIEWED AND ACKNOWLEDGED BY THE ENGINEER. SHOP DRAWING SUBMITTALS SHALL ONLY BE CHECKED FOR CONFORMANCE WITH THE DESIGN CONCEPT AND THE INFORMATION SHOWN ON THE CONSTRUCTION DOCUMENTS.

SPECIFICATIONS

CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301. "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (LATEST EDITION), EXCEPT AS MODIFIED BY REQUIREMENTS OF THE CONTRACT DOCUMENTS.

MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS", AISC "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 FOR STRUCTURAL STEEL BUILDINGS", AISC "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", AND AWS D1.1 "STRUCTURAL WELDING CODE", EXCEPT AS MODIFIED BY THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

A GEOTECHNICAL TESTING AND INSPECTION FIRM SHALL BE EMPLOYED TO PERFORM A SOIL SURVEY FOR SATISFACTORY SOIL MATERIALS, SAMPLING AND TESTING FOR QUALITY CONTROL AS PER THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT FOR THIS PROJECT. ALL EARTHWORK OPERATIONS SHALL BE PERFORMED TO THE SATISFACTION OF THE GEOTECHNICAL TESTING FIRM.

PRODUCT APPROVAL SPECIFICATION TABLE

CATEGORY / SUBCATEGORY	MANUFACTURER	PROJECT DESCRIPTION	APPROVAL NUMBERS
EXTERIOR DOORS	MASONITE INTERNATIONAL	METAL EDGE STEEL DOOR UNITS	19.1
WINDOWS			
DOUBLE HUNG	BETTERBILT	FIN FRAME 52x72 MODEL 740/3740	663.13
ROOFING PRODUCTS			
ASPHALT SHINGLES	TAMKO	GLAS-SEAL AR - 3 TAB	1956.1
UDERLAYMENTS	TAMKO	MASTER SMOOTH -ASPHALT UNDERLAYMENT	1481.1
STRUCTURAL COMPONENTS			
WOOD CONNECTORS	SIMPSON STRONG-TIE		
	-	CS16	1901.4
	-	SPH6	538.35
	-		1901.64
	-	H16	474.109
	-		1901.70
	-		474.248
	-	H6	474.119
TRUSS PLATES	ALPINE	CC46	1218.13
			1901.36
		IUT14	474.216
		AB44	474.10

CONNECTION LISTING

MANUFACTURER	MODEL #	FASTENER COUNT	ALLOWABLE LOAD
SIMPSON STRONG TIE CO.	CS16	(26) 8d	1705
SIMPSON STRONG TIE CO.	SPH6	(10) 10d x 1 1/2	1240
SIMPSON STRONG TIE CO.	H16	(8) 8d x 1 1/2	905
SIMPSON STRONG TIE CO.	H6	(8) 8d	915
SIMPSON STRONG TIE CO.	CC46	BEAM=(4) 3/4"Ø POST=(2) 3/4"Ø	2330
SIMPSON STRONG TIE CO.	AB44	N/A	5335
SIMPSON STRONG TIE CO.	ITT14	(6) 10d	1215

TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

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

2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4

3. IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1503.4.4

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

5. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1816.1.1
6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2

7. BOXED AREAS IN CONCRETE FLOOR 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

8. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RET- ARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4

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

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

11. 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

12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1816.1.7

13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPART- MENT BY # 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

14. 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 TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2303.1.3

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

REVISION NOTES
ISSUED FOR CONSTRUCTION

DATE
05-24-07

REV #
-

P.O. Box 187
130 West Howard Street
Live Oak, FL 32060
Phone: (386) 362-3678
Fax: (386) 362-6133
Gary Gill, PE 51942
Auth. # 9461
STRUCTURAL CIVIL ENGINEERS

CAMPBELL RESIDENCE

COLUMBIA COUNTY, FL.

GENERAL NOTES

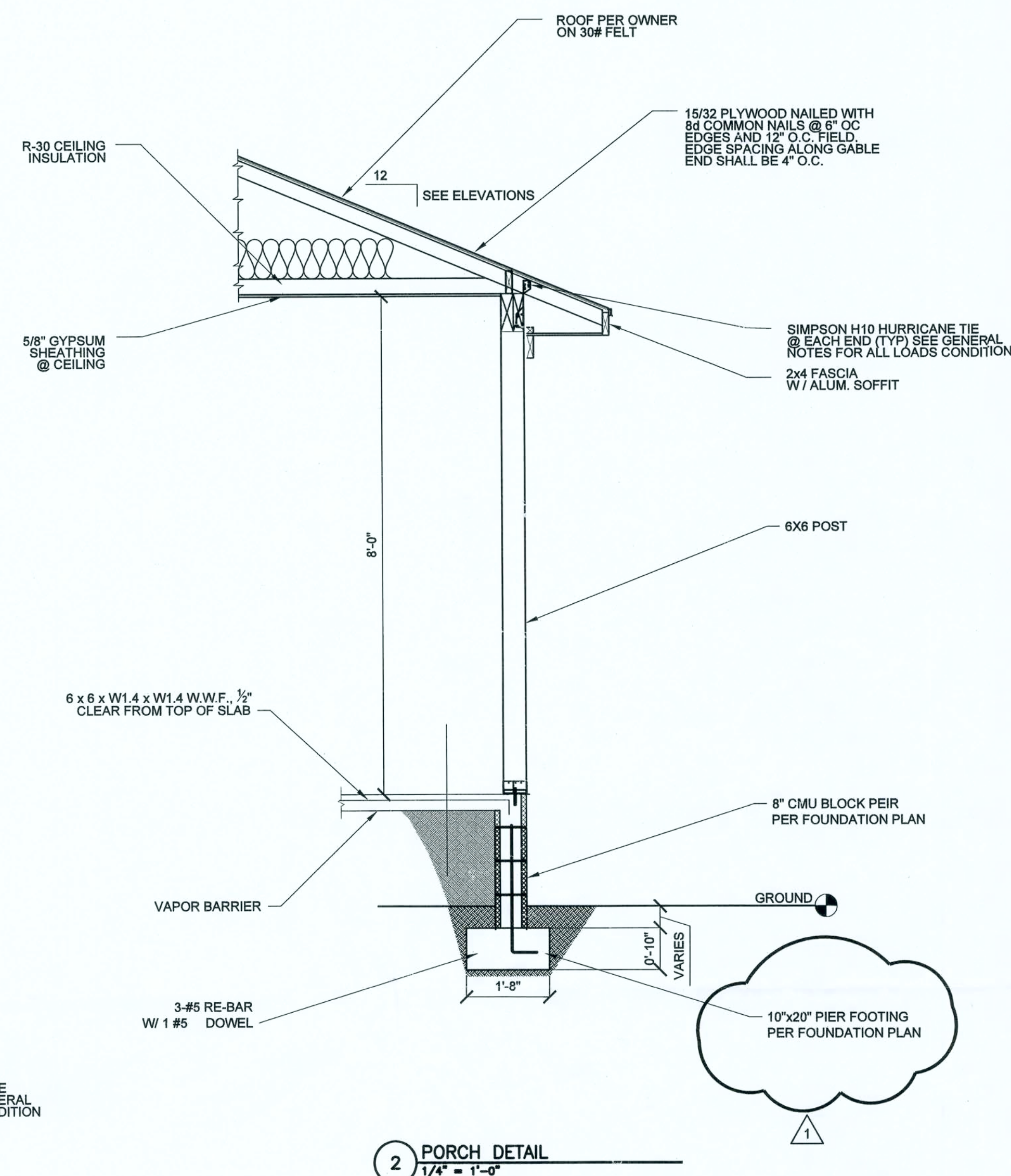
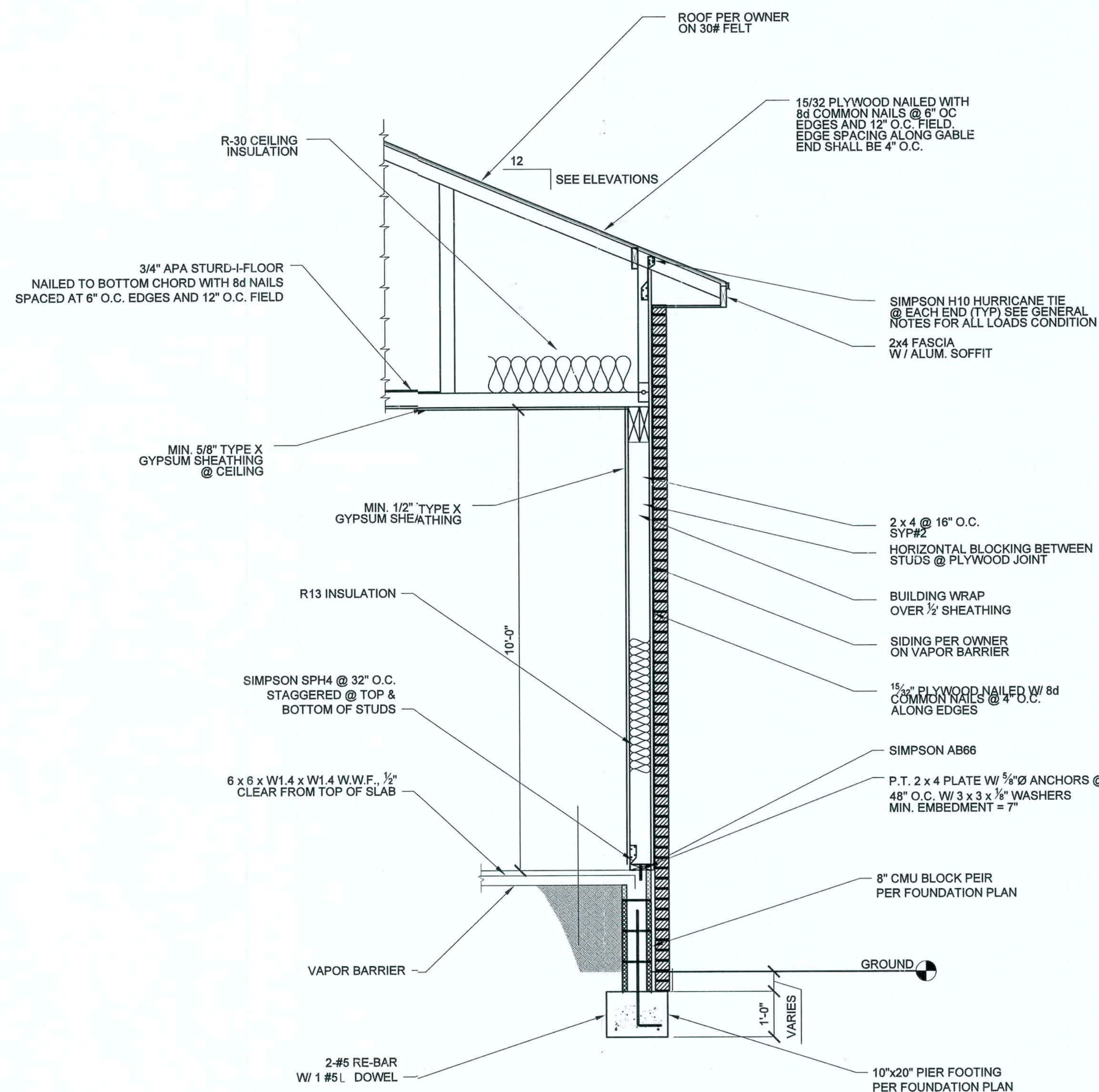
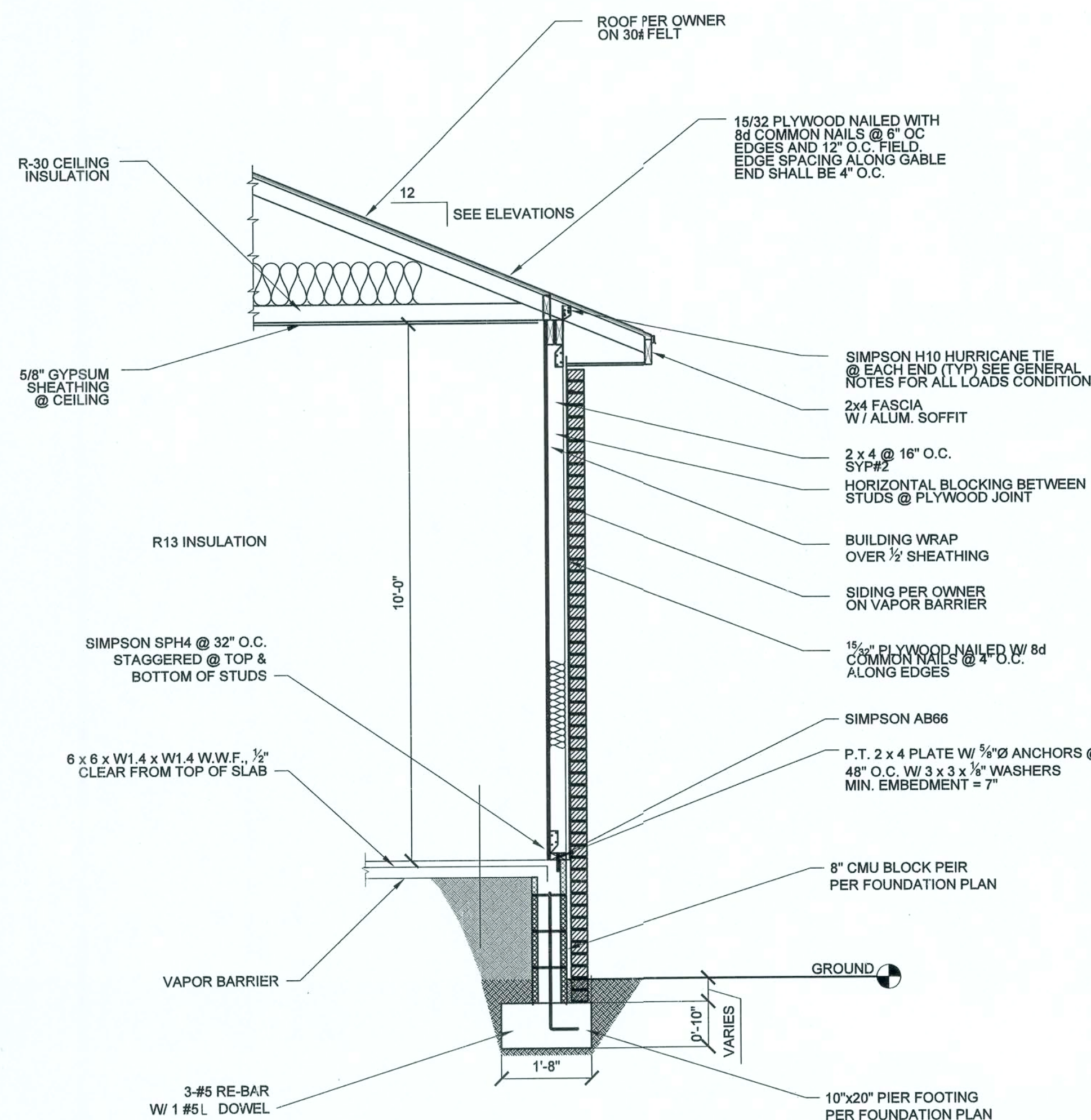
PROJECT NUMBER
PF07-179

DRAWN BY
D. PRICE

CHECKED BY
G.G.

S-5.0

SHEET -

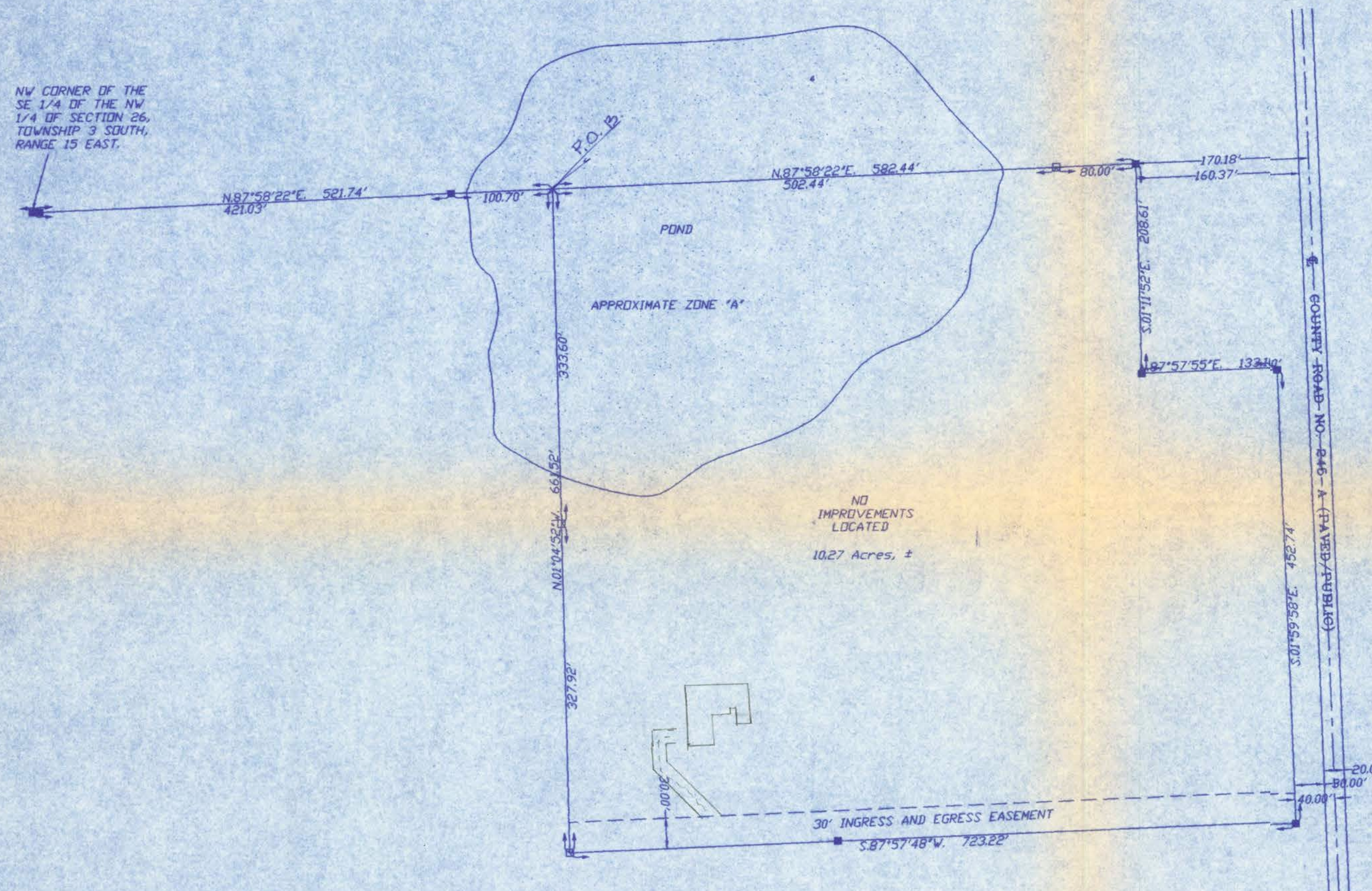


ISSUED FOR CONSTRUCTION

REVISION NOTES	DATE	REV #
CHANGED FOOTER SIZE	10-17-07	1
P.O. Box 187 130 West Howard Street Live Oak FL 32064 Phone: (386) 362-3678 Fax: (386) 362-6133 Gary Gill, PE 51942 AUTH. # 9461		
		
CAMPBELL RESIDENCE NEW HOUSE COLUMBIA COUNTY, FL.		
SECTIONS (2)		
PROJECT NUMBER PF07-122		
DRAWN BY D. PRICE		
CHECKED BY G.G.		
A-4		
SHEET		

A BOUNDARY SURVEY IN SECTION 26, TOWNSHIP 3 SOUTH,
RANGE 15 EAST, COLUMBIA COUNTY, FLORIDA.

NW CORNER OF THE
SE 1/4 OF THE NW
1/4 OF SECTION 26,
TOWNSHIP 3 SOUTH,
RANGE 15 EAST.



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 PART OF THE N 1/2 OF THE SE 1/4 OF THE NW 1/4 OF SECTION 26, TOWNSHIP 3 SOUTH, RANGE 15 EAST, COLUMBIA COUNTY, FLORIDA, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE NW CORNER OF THE SE 1/4 OF THE NW 1/4 OF SAID SECTION 26 AND RUN THENCE N 87°58'22"E, ALONG THE NORTH LINE OF THE SE 1/4 OF THE NW 1/4 OF SAID SECTION 26, 521.74 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE N 87°58'22"E, ALONG SAID NORTH LINE, 582.44 FEET; THENCE S 01°11'52"E, 208.61 FEET; THENCE N 87°57'55"E, 133.10 FEET TO THE WEST RIGHT-OF-WAY LINE OF COUNTY ROAD NO. 252-A; THENCE S 01°59'58"E, ALONG SAID WEST RIGHT-OF-WAY LINE, 452.74 FEET; THENCE S 87°57'48"W, 723.22 FEET; THENCE N 01°04'52"W, 661.52 FEET TO THE POINT OF BEGINNING, CONTAINING 10.27 ACRES, MORE OR LESS, COLUMBIA COUNTY, FLORIDA TOGETHER WITH AND SUBJECT AN EASEMENT FOR INGRESS AND EGRESS OVER AND ACROSS THE SOUTH 30 FEET THEREOF.

- SURVEYOR'S NOTES:
1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF THE ORIGINAL SURVEY.
 2. BEARINGS ARE BASED ON AN ASSUMED BEARING OF N 87°58'22"E, FOR THE NORTH LINE THEREOF.
 3. SOME PORTIONS OF THIS PARCEL ARE IN ZONE 'A' AND MAY BE SUBJECT TO FLOODING. HOWEVER, NO BASE FLOOD ELEVATION HAS BEEN DETERMINED FOR ZONE 'A'. SOME PORTIONS OF THIS PARCEL ARE IN ZONE 'X' AND ARE DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD INSURANCE RATE MAP, DATED 6 JAN. 1988 COMMUNITY PANEL NO. 120070 0175 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:
JOSHUA B. CAMPBELL
RAMONA PARK CHURCH, INC.
SOUTHEAST TITLE GROUP, LLP
ALLIANCE TITLE OF AMERICA, INC.

FIELD BOOK: 205 PAGE(S): 14

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.

6/14/99 FIELD SURVEY DATE 6/24/99 DRAWING DATE

LAUREN E. BRITT, P.S.M.
CERTIFICATION # 1079

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

1426 WEST DUVAL STREET
LAKE CITY, FLORIDA 32055

TELEPHONE: (904) 752-7163 FAX: (904) 752-5573

WORK ORDER # L-9571

DESIGN CRITERIA

DESIGN PER 2004 FLORIDA BUILDING CODE, UNLESS OTHERWISE NOTED.

Table with 2 columns: Item, Value. Rows include LIVE LOADS: ROOFS AND CANOPIES (0 TO 200 SF, 201 TO 800 SF, OVER 800 SF), STAIRS, FLOORS, CORRIDORS, LOBBIES, BALCONIES, PARTITION LOAD (DEAD LOAD).

Table with 2 columns: Item, Value. Rows include WIND LOADS: BASIC WIND SPEED (ASCE 7), MEAN ROOF HEIGHT, WIND IMPORTANCE FACTOR (CATEGORY II), WIND EXPOSURE, ENCLOSURE CLASSIFICATION, INTERNAL PRESSURE COEFFICIENT, DIRECTIONALITY FACTOR (Kd), SHAPE FACTORS.

THIS BUILDING IS NOT LOCATED IN THE WIND BORNE DEBRIS REGION. IMPACT RESISTANT GLAZING IS NOT REQUIRED.

Table with 4 columns: Tributary Area, Interior Zone, End Zone, Value. Rows include DESIGN WIND PRESSURES FOR COMPONENTS & CLADDING: WALLS & WALL OPENINGS.

Table with 4 columns: Tributary Area, Interior Zone, End Zone, Value. Rows include ROOFS & ROOF OPENINGS.

Table with 2 columns: Item, Value. Rows include CONCRETE (DESIGN PER CURRENT EDITION ACI 318): SLAB ON GRADE, FOOTINGS, ALL OTHER CONCRETE.

ALL REINFORCING STEEL ASTM A615 GRADE 60

ALL WELDED WIRE FABRIC ASTM A185

Table with 2 columns: Item, Value. Rows include CONCRETE MASONRY (DESIGN PER CURRENT EDITION ACI 530): COMPRESSIVE STRENGTH.

STRUCTURAL STEEL (DESIGN PER CURRENT EDITION AISC), UNLESS OTHERWISE NOTED MATERIALS SHALL BE AS FOLLOWS:

Table with 2 columns: Item, Value. Rows include W-SHAPES, OTHER SHAPES & PLATES, HSS SQUARE & RECTANGULAR SHAPES, HSS ROUND SHAPES, STEEL PIPES, WELDING ELECTRODES, HIGH-STRENGTH BOLTS, ANCHOR RODS, WELDED STUDS, DEFORMED BARS, PAINT & PROTECTION.

Table with 2 columns: Item, Value. Rows include SOIL BEARING (DESIGN MAXIMUM).

GENERAL NOTES

CONCRETE

UNLESS OTHERWISE NOTED ON THE DRAWINGS, MINIMUM COVER FOR REINFORCING SHALL BE AS FOLLOWS:

Table with 2 columns: Item, Value. Rows include FOOTINGS, PILE CAPS, GRADE BEAMS, COLUMNS AND PEDESTALS (OVER VERTICAL REINFORCING), SLABS AND WALLS (EXPOSED TO EARTH, LIQUID OR WEATHER), SLABS AND WALLS (NOT EXPOSED TO EARTH, LIQUID OR WEATHER), CANOPY SLABS, BEAMS (OVER MAIN REINFORCING), SLABS ON GRADE.

ALL REINFORCING SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES IN CONFORMANCE WITH CRSI MANUAL OF STANDARD PRACTICE AND ACI 315 DURING THE PLACEMENT OF CONCRETE.

UNLESS OTHERWISE NOTED, SPLICES IN REINFORCING, WHERE PERMITTED, SHALL BE AS FOLLOWS: WELDED WIRE FABRIC, REINFORCING BARS.

ALL HOOKS IN REINFORCING BARS SHALL BE AN ACI STANDARD HOOK, UNLESS OTHERWISE NOTED.

FOUNDATIONS

IF FOOTING EVALUATIONS SHOWN OCCUR IN A DISTURBED, UNSTABLE, OR UNSUITABLE SOIL, THE ENGINEER SHALL BE NOTIFIED.

STEPS IN WALL FOOTINGS SHALL NOT EXCEED A SLOPE OF (1) VERTICAL TO TWO (2) HORIZONTAL

PROVIDE A MINIMUM OF TWO #4 BARS IN TOP OF CONTINUOUS WALL FOOTINGS AT DOOR AND OTHER OPENINGS, 4'-0" LONGER THAN THE OPENING.

TRUSS FASTENER SCHEDULE

Table with 5 columns: Location, Uplift, Fastener (1), Truss, Plate. Rows include ROOF TRUSS.

NOTES: 1) ALL CONNECTORS LISTED ARE SIMPSON STRONG-TIE, UON. OTHER MANUFACTURERS MAY BE SUBSTITUTED. SCREW SIZE AND NUMBER SHALL BE IN ACCORDANCE WITH MANUFACTURER'S CATALOG. ROOF TRUSS CLIPS SHALL BE SELECTED TO PROVIDE THE UPLIFT RESISTANCE SHOWN ON THE ROOF TRUSS SHOP DRAWINGS. 2) TRUSS ENGINEER MAY PROVIDE ALTERNATE CONNECTIONS.

SUPPLEMENTARY NOTES

PROVIDE ALL TEMPORARY BRACING, SHORING, GUYING OR OTHER MEANS TO AVOID EXCESSIVE STRESSES AND TO HOLD STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION. THE STRUCTURE SHOULD NOT BE CONSIDERED STABLE UNTIL ALL STRUCTURAL ELEMENTS HAVE BEEN CONSTRUCTED.

VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.

SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR EMBEDS, OPENINGS, SLEEVES, ETC. NOT SHOWN ON THE STRUCTURAL DRAWINGS.

ALL STRUCTURAL OPENINGS AROUND OR AFFECTED BY MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT SHALL BE VERIFIED WITH EQUIPMENT PURCHASED BEFORE PROCEEDING WITH STRUCTURAL WORK AFFECTED.

EMBEDMENT FOR EXPANSION BOLTS SHALL BE 3 1/2" MINIMUM FOR 3/4" BOLTS IN CONCRETE, 5 1/2" IN GROUTED MASONRY. HILTI KWIK BOLT II OR EQUAL.

EPOXY GROUT SHALL BE POWER FAST CARTRIDGE SYSTEM BY RAWL, HY150 CARTRIDGE SYSTEM BY HILTI (HILTI RE500, IF HOLE IS CORED INSTEAD OF DRILLED) OR APPROVED EQUAL, UON. EMBEDMENT SHALL BE 12 BAR DIAMETERS MINIMUM, UON. HOLES SHALL BE 1/2" LARGER THAN REBAR SIZE, AND 1/2" LARGER THAN THREADED ROD SIZE. HOLE SHALL BE BRUSHED OUT WITH BOTTLE BRUSH AND THEN BLOWN OUT WITH AIR USING A COMPRESSOR WITH A FUNCTIONAL OIL TRAP. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS PRINTED INSTRUCTIONS.

ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE SEAL OF AN ENGINEER IN THE STATE OF THE PROJECT.

GENERAL CONTRACTOR MUST REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO SUBMITTAL TO ARCHITECT / ENGINEER. SUBMITTALS WHICH DO NOT CONTAIN THE CONTRACTOR'S SHOP DRAWING STAMP OR HAVE BEEN MERELY "RUBBER STAMPED" SHALL BE RETURNED WITHOUT REVIEW.

CHANGES TO THE CONTRACT DOCUMENTS SHALL BE CLOUDED ON SHOP DRAWINGS OR REQUESTED IN WRITING. THE CONTRACTOR IS LIABLE FOR ANY DEVIATIONS UNLESS REVIEWED AND ACKNOWLEDGED BY THE ENGINEER. SHOP DRAWING SUBMITTALS SHALL ONLY BE CHECKED FOR CONFORMANCE WITH THE DESIGN CONCEPT AND THE INFORMATION SHOWN ON THE CONSTRUCTION DOCUMENTS.

SPECIFICATIONS

CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301. "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (LATEST EDITION), EXCEPT AS MODIFIED BY REQUIREMENTS OF THE CONTRACT DOCUMENTS.

MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS", ALSO "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", ALSO "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", AND AWS D1.1 "STRUCTURAL WELDING CODE", EXCEPT AS MODIFIED BY THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

A GEOTECHNICAL TESTING AND INSPECTION FIRM SHALL BE EMPLOYED TO PERFORM A SOIL SURVEY FOR SATISFACTORY SOIL MATERIALS, SAMPLING AND TESTING FOR QUALITY CONTROL AS PER THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT FOR THIS PROJECT. ALL EARTHWORK OPERATIONS SHALL BE PERFORMED TO THE SATISFACTION OF THE GEOTECHNICAL TESTING FIRM.

PRODUCT APPROVAL SPECIFICATION TABLE

Table with 4 columns: Category / Subcategory, Manufacturer, Project Description, Approval Numbers. Rows include EXTERIOR DOORS, WINDOWS, ROOFING PRODUCTS, STRUCTURAL COMPONENTS, WOOD CONNECTORS, TRUSS PLATES.

CONNECTION LISTING

Table with 4 columns: Manufacturer, Model #, Fastener Count, Allowable Load. Rows include SIMPSON STRONG TIE CO. with various models (CS16, SPH6, H16, H6, CC46, AB44, ITT14).

TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

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

2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4

3. IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1503.4.4

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

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

6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2

7. BOXED AREAS IN CONCRETE FLOOR 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

8. 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

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

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

11. 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

12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1816.1.7

13. 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

14. 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 TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2303.1.3

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

FILE COPY

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Gary Gill, PE 51942
Aut. # 9461



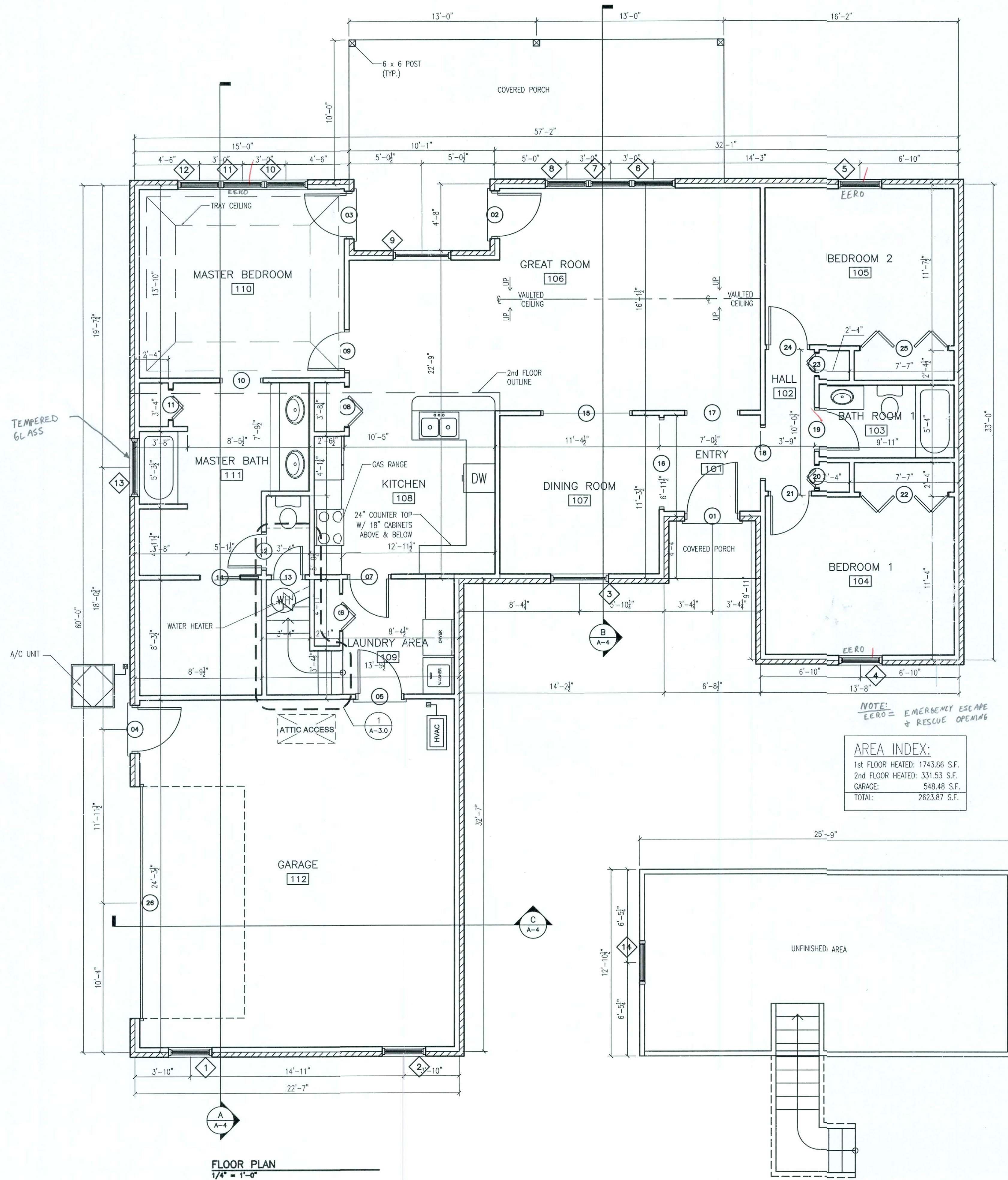
CAMPBELL RESIDENCE

COLUMBIA COUNTY, FL.

GENERAL NOTES

PROJECT NUMBER: PF07-179
DRAWN BY: D. PRICE
CHECKED BY: G.G.

S-5.0



DOOR AND FRAME SCHEDULE				
MARK	DOOR		FIRE RATING LABEL	NOTES
	SIZE			
WD	HGT			
1	3'-6"	6'-8"	---	Exterior door
2	3'-0"	6'-8"	---	Exterior door
3	3'-0"	6'-8"	---	Exterior door
4	3'-0"	6'-8"	---	Exterior door
5	3'-0"	6'-8"	---	Exterior door
6	2'-6"	6'-8"	---	---
7	2'-8"	6'-8"	---	---
8	2'-8"	6'-8"	---	---
9	2'-8"	6'-8"	---	---
10	2'-8"	6'-8"	---	---
11	2'-0"	6'-8"	---	---
12	2'-4"	6'-8"	---	---
13	2'-0"	6'-8"	---	---
14	2'-8"	6'-8"	---	---
15	6'-0"	6'-8"	---	---
16	6'-0"	6'-8"	---	---
17	3'-6"	6'-8"	---	---
18	3'-6"	6'-8"	---	---
19	2'-8"	6'-8"	---	---
20	1'-6"	6'-8"	---	---
21	2'-8"	6'-8"	---	---
22	6'-0"	6'-8"	---	---
23	1'-6"	6'-8"	---	---
24	2'-8"	6'-8"	---	---
25	6'-0"	6'-8"	---	---
26	16'-0"	7'-0"	---	Sectional roll-up garage door

WINDOW SCHEDULE			
MARK	SIZE		NOTES
	WIDTH	HEIGHT	
1	3'-0"	5'-0"	---
2	3'-0"	5'-0"	---
3	4'-0"	5'-0"	---
4	3'-0"	5'-0"	---
5	3'-0"	5'-0"	EERO
6	3'-0"	5'-0"	EERO
7	3'-0"	5'-0"	---
8	3'-0"	5'-0"	---
9	4'-0"	5'-0"	---
10	3'-0"	5'-0"	---
11	3'-0"	5'-0"	EERO
12	3'-0"	5'-0"	---
13	4'-0"	4'-0"	TEMPERED GLASS EERO
14	3'-0"	5'-0"	---

ROOM FINISH SCHEDULE									
Number	ROOM NAME	FLOOR	WALLS				CEILING		NOTES
			N	S	E	W	MATL	HEIGHT	
101	ENTRY	TILE	GWB	GWB	GWB	GWB	GWB	10'-0"	--
102	HALL	CARPET	GWB	GWB	GWB	GWB	GWB	10'-0"	--
103	BATH ROOM 1	TILE	GWB	GWB	GWB	GWB	GWB	10'-0"	--
104	BEDROOM 1	CARPET	GWB	GWB	GWB	GWB	GWB	10'-0"	--
105	BEDROOM 2	CARPET	GWB	GWB	GWB	GWB	GWB	10'-0"	--
106	GREAT ROOM	CARPET	GWB	GWB	GWB	GWB	GWB	10'-0"	Vaulted ceiling
107	DINING ROOM	CARPET	GWB	GWB	GWB	GWB	GWB	10'-0"	--
108	KITCHEN	TILE	GWB	GWB	GWB	GWB	GWB	10'-0"	--
109	LAUNDRY AREA	TILE	GWB	GWB	GWB	GWB	GWB	10'-0"	--
110	MASTER BEDROOM	CARPET	GWB	GWB	GWB	GWB	GWB	10'-0"	Tray ceiling
111	MASTER BATH	TILE	GWB	GWB	GWB	GWB	GWB	10'-0"	--
112	GARAGE	CONCRETE	GWB	GWB	GWB	GWB	GWB	10'-0"	--

2nd FLOOR PLAN
1/4" = 1'-0"

CAMPBELL RESIDENCE
NEW HOUSE
COLUMBIA COUNTY, FL.

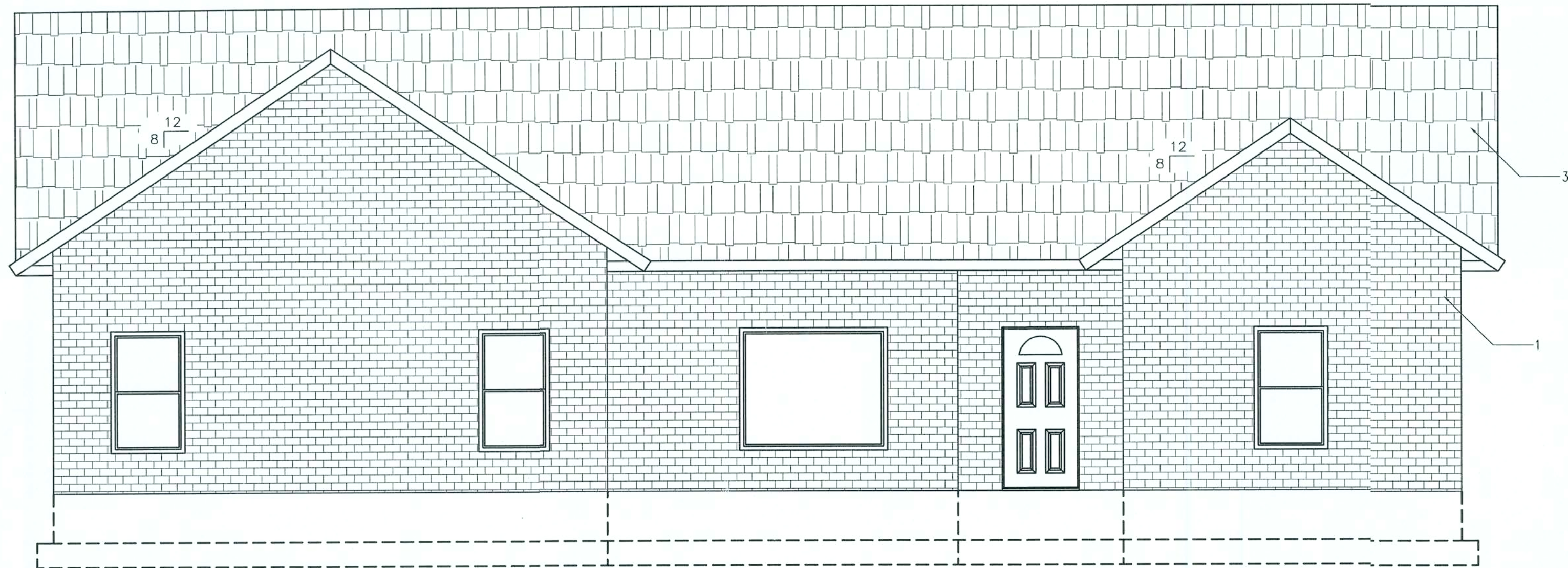
FLOOR PLAN

PROJECT NUMBER
PF07-122
DRAWN BY
D. PRICE
CHECKED BY
G.G.

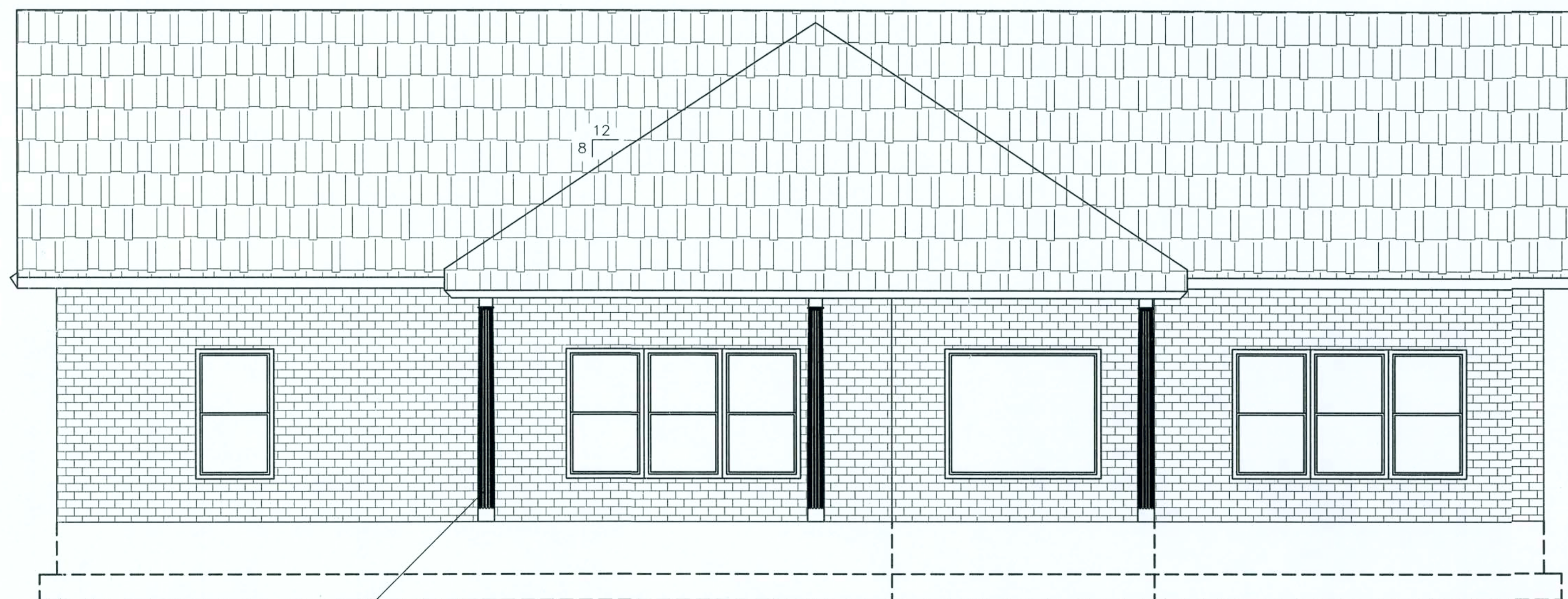
A-1.0

REVISION NOTES

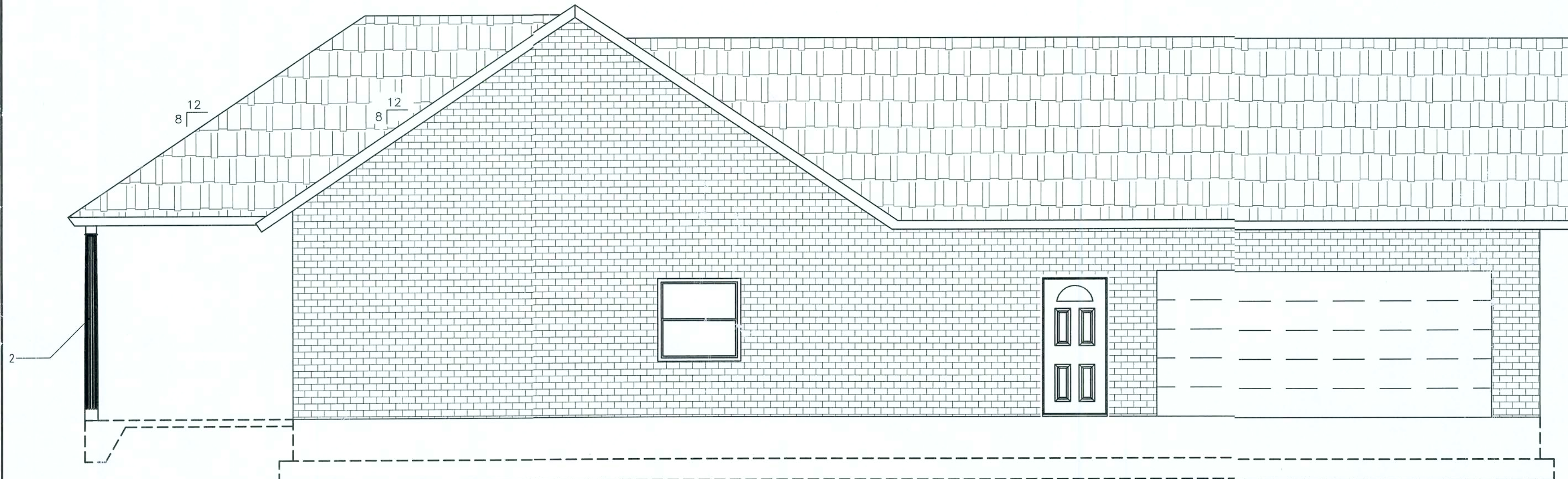
DATE
REV #
P.O. Box 187
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Phone: (386) 362-3678
Fax: (386) 362-6133
Auth. # 9461
STRUCTURAL ENGINEER Gary Gill, PE 51942



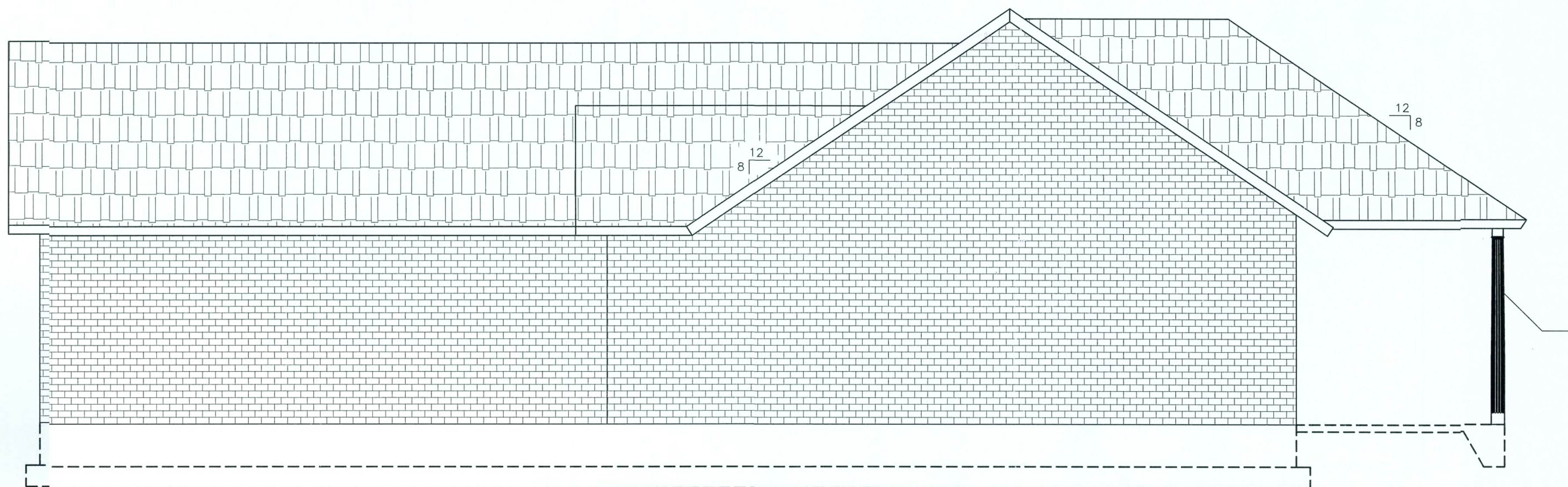
1 FRONT ELEVATION
1/4" = 1'-0"



3 REAR ELEVATION
1/4" = 1'-0"



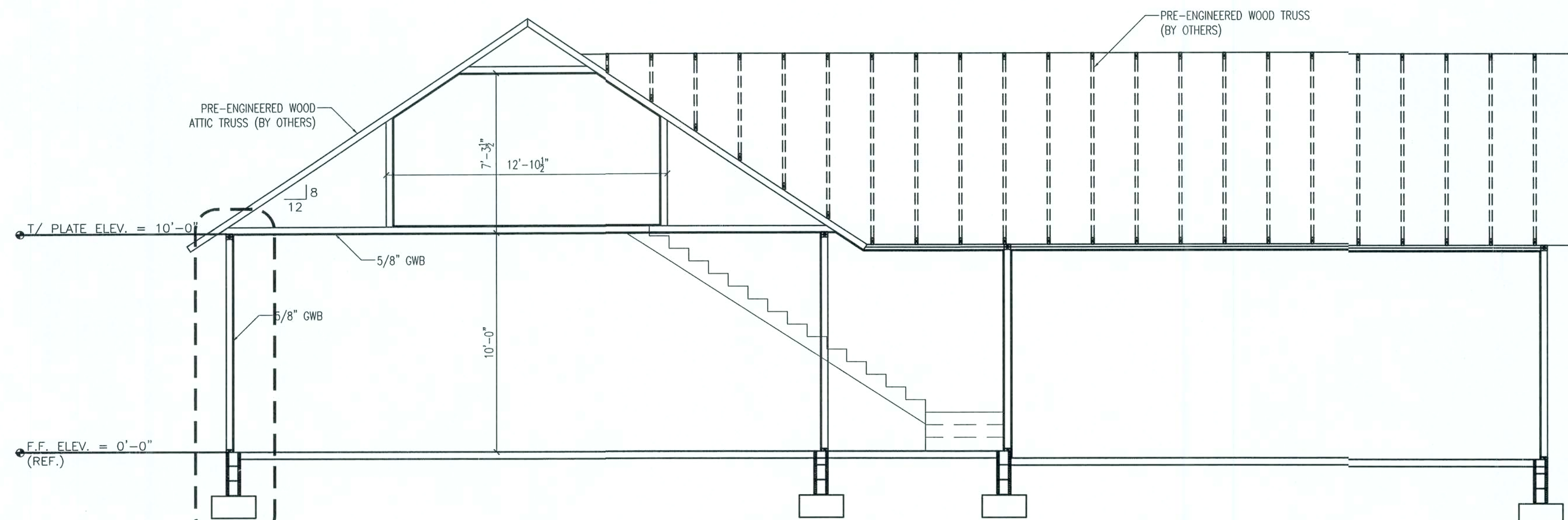
2 LEFT ELEVATION
1/4" = 1'-0"



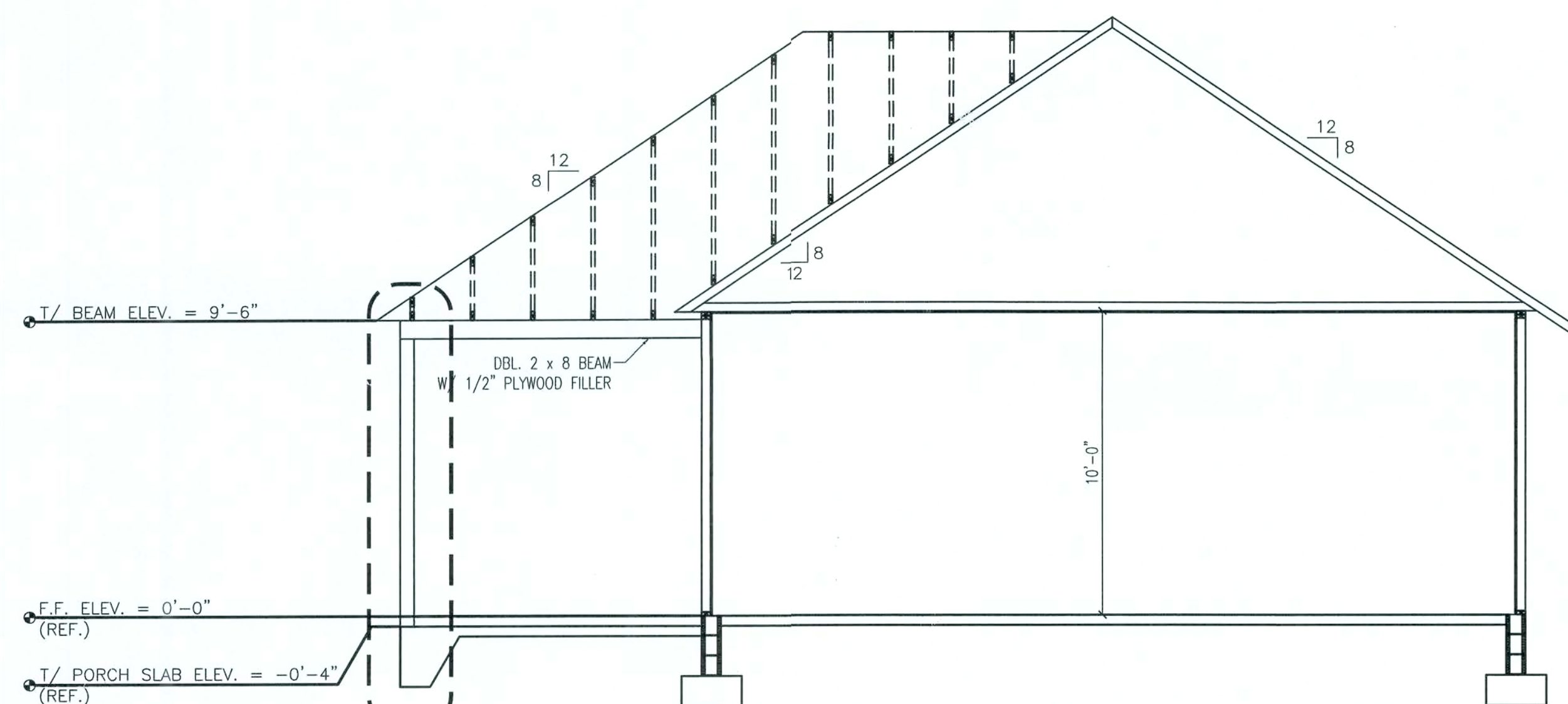
4 RIGHT ELEVATION
1/4" = 1'-0"

SHEET KEYNOTES

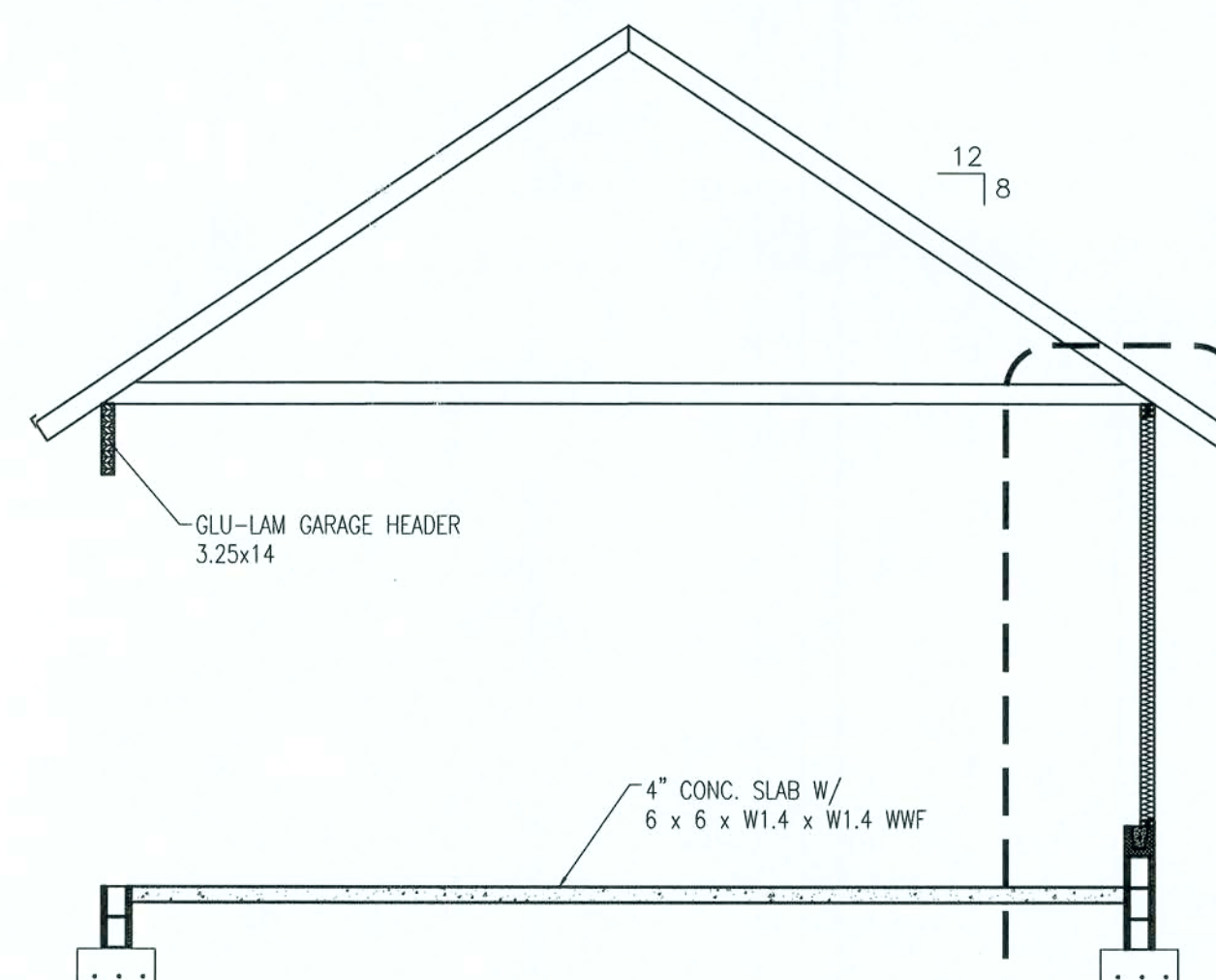
1	BRICK VENEER (PER OWNER)
2	6X8 POST (TYP.)
3	ASPHALT SHINGLES (PER OWNER)
4	



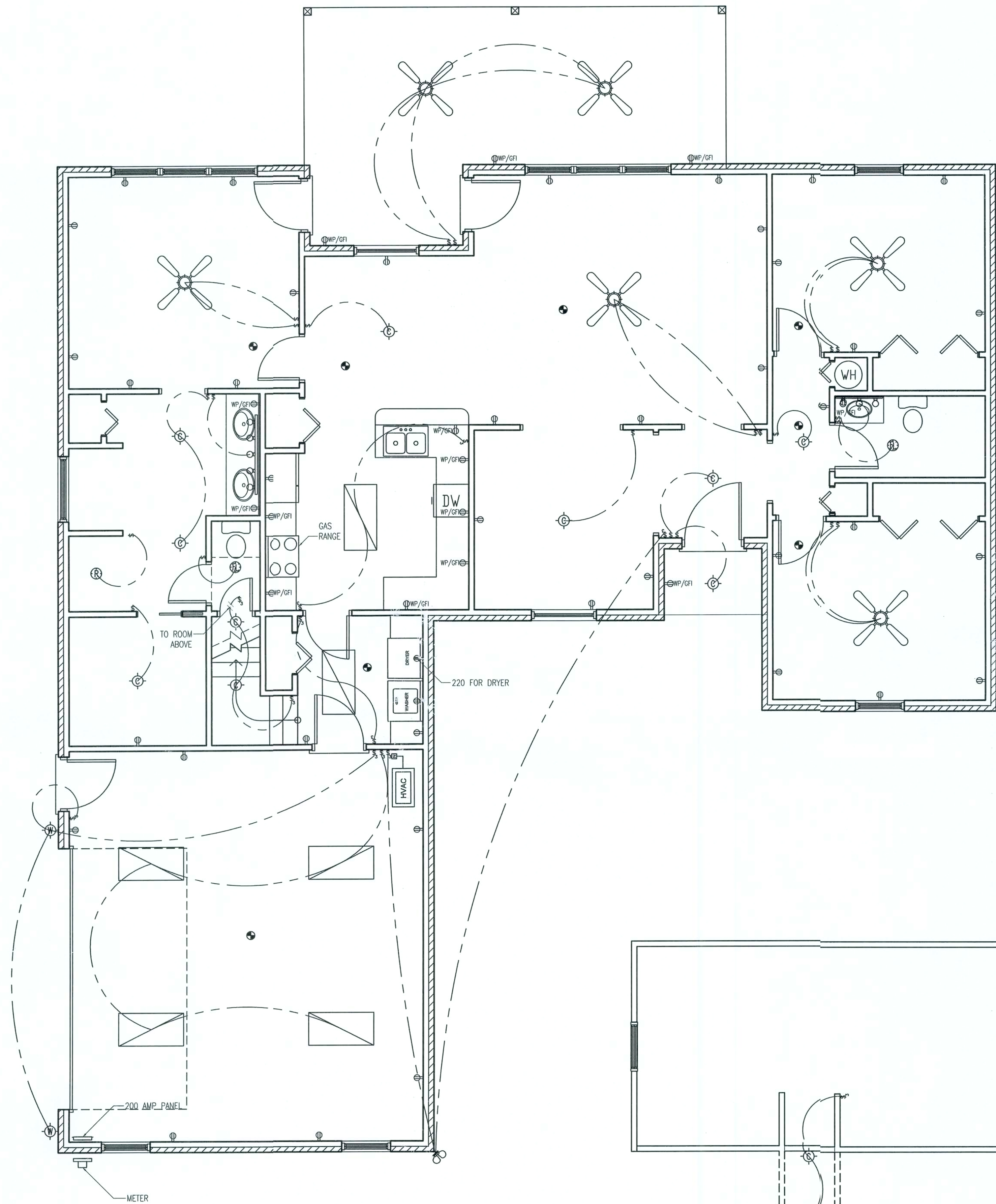
A SECTION A
1/4" = 1'-0"



B SECTION B
1/4" = 1'-0"



C SECTION C
1/4" = 1'-0"



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

ELECTRICAL LEGEND		
SYMBOL	QUANTITY	DESCRIPTION
	40	STANDARD OUTLET
	1	220 OUTLET
	14	WATER PROOF GFI OUTLET
	23	SINGLE POLE SWITCH
	10	3 WAY SWITCH
	6	48" FLUORESCENT LIGHT
	10	CEILING MOUNTED DOME LIGHT
	1	EXTERIOR FLOOD LIGHT
	2	VANITY LIGHT
	2	FAN / LIGHT COMBO
	2	EXTERIOR WALL MOUNTED LIGHT
	6	CEILING FAN W/ LIGHT
	1	200 AMP PANEL
	1	METER
	8	SMOKE DETECTOR

ELECTRICAL PLAN NOTES

WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.

CONSULT THE OWNER FOR THE NUMBER OF SEPARATE 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.

ALL BEDROOM RECEPTACLES SHALL BE ON AFCI PROTECTED CIRCUITS

ALL BATHROOM EXHAUST FANS TO BE MIN. 20 C.F.M. CONTINUOUS, OR 50 C.F.M. INTERMITTEN.

PROJECT NUMBER
PF07-122

DRAWN BY
D. PRICE

CHECKED BY
G.G.

E-1.0

CAMPBELL RESIDENCE
NEW HOUSE
COLUMBIA COUNTY, FL.

JG
STRUCTURAL/CIVIL ENGINEERS

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Phone: (386) 362-3678
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Gary Gill, PE 51942
Auth. # 9461

REV #

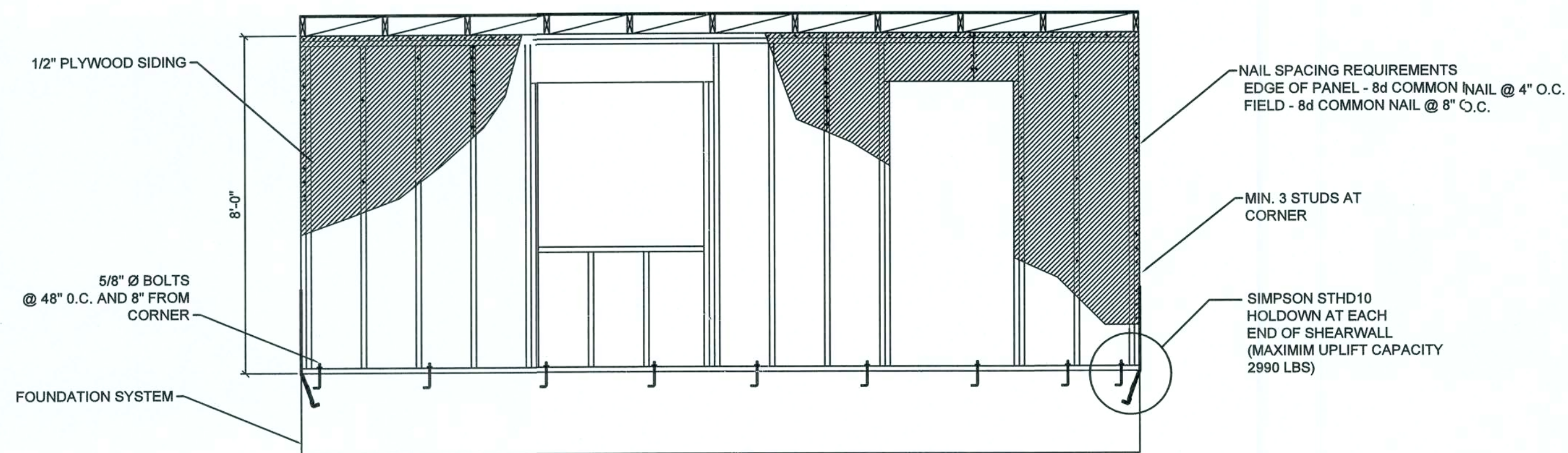
DATE

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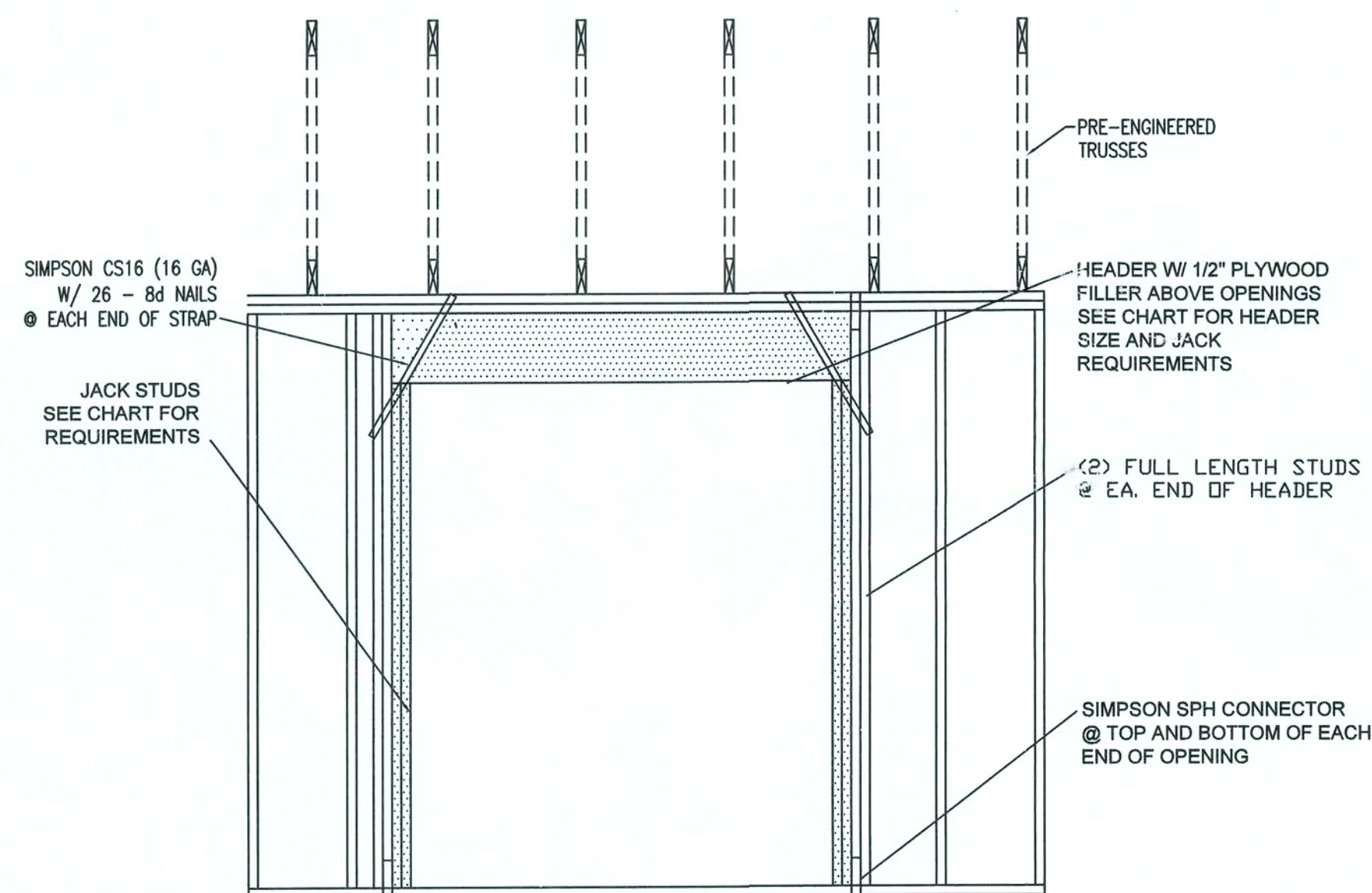
REVISION NOTES

6/20/07

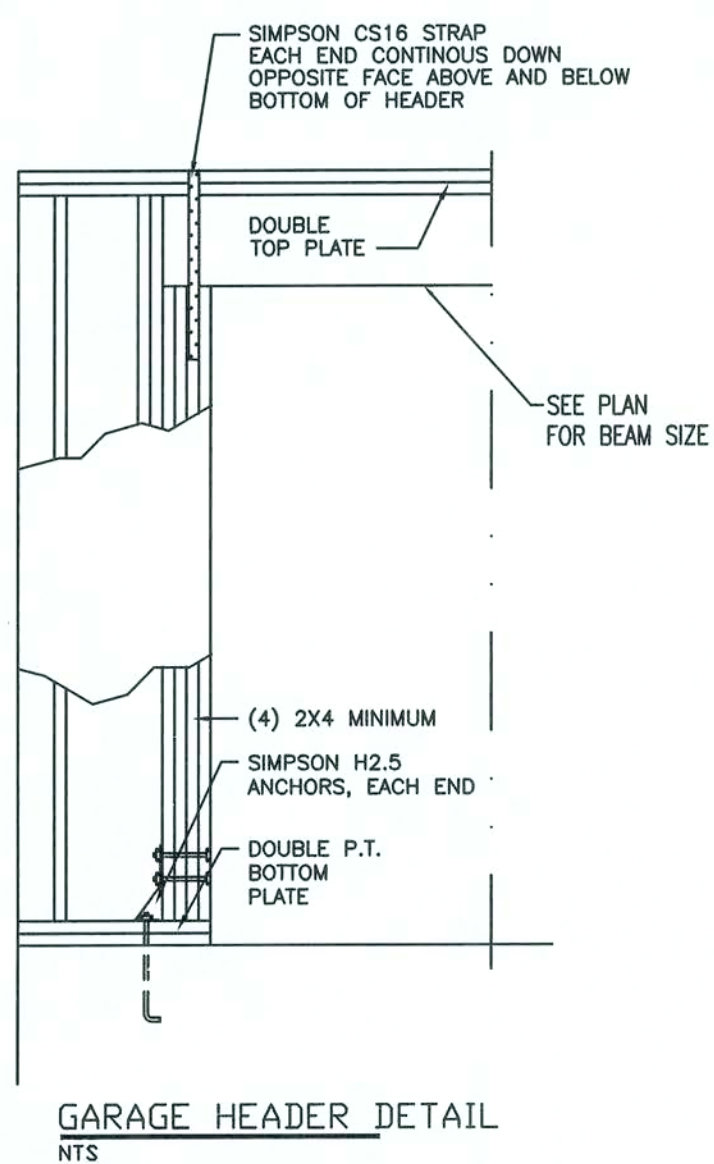




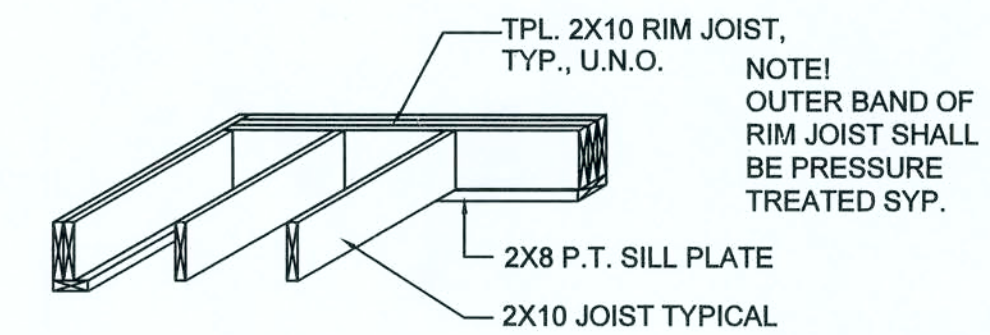
TYPICAL PERFORATED SHEARWALL
SCALE 3/8"=1'-0"



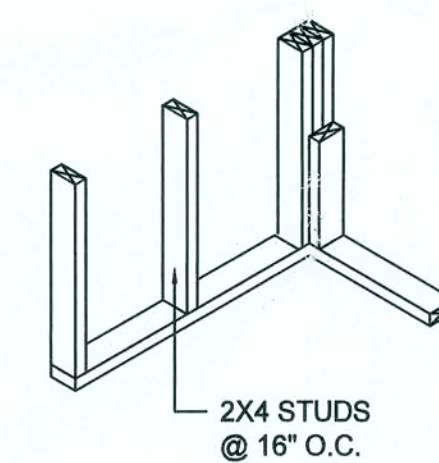
TYP. FRAMING & UPLIFT CONNECTIONS FOR OPENINGS



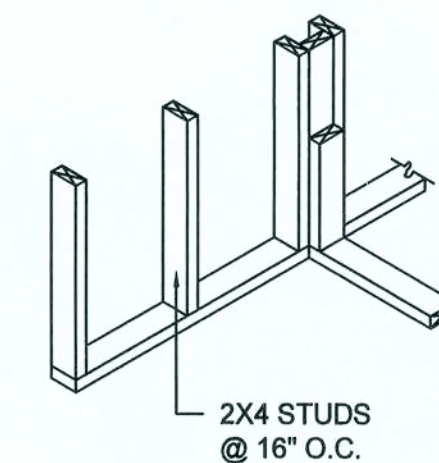
		HEADER SPANS FOR EXTERIOR BEARING WALLS					
		BUILDING WIDTH (FT)					
		20'		28'		36'	
SUPPORTING:	HEADER SIZE	SPAN	# JACKS	SPAN	# JACKS	SPAN	# JACKS
ROOF, CEILING	2-2x4	3'-6"	1	3'-2"	1	2'-10"	1
	2-2x6	5'-5"	1	4'-8"	1	4'-2"	1
	2-2x8	6'-10"	1	5'-11"	2	5'-4"	1
	2-2x10	8'-5"	2	7'-3"	2	6'-8"	2
	2-2x12	9'-9"	2	8'-5"	2	7'-6"	2
	3-2x8	8'-4"	1	7'-5"	1	6'-8"	1
	3-2x10	10'-6"	1	9'-1"	2	8'-2"	1
	3-2x12	12'-2"	2	10'-7"	2	9'-5"	2
	4-2x8	9'-2"	1	8'-4"	1	9'-2"	1
	4-2x10	11'-8"	1	10'-6"	1	9'-5"	1
	4-2x12	14'-1"	1	12'-2"	2	10'-11"	1



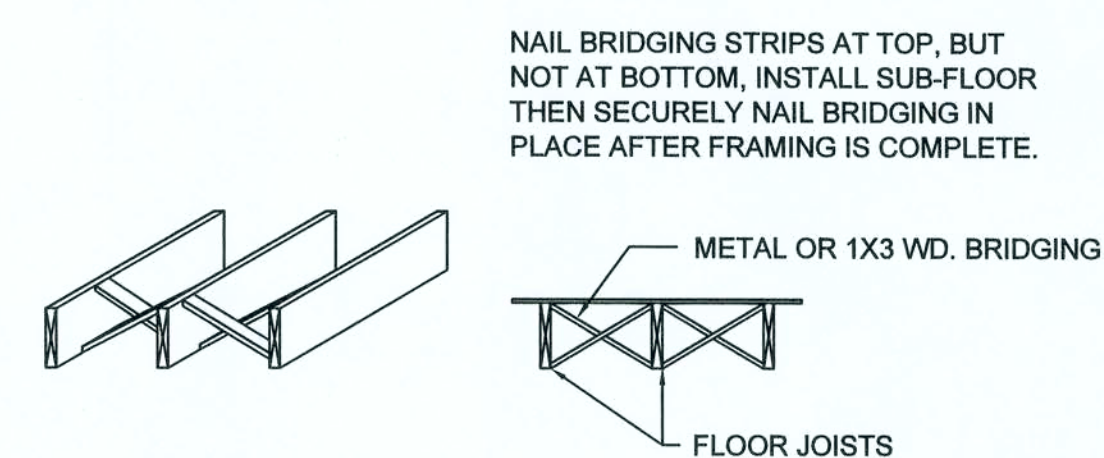
TYPICAL 1st FLOOR FRAMING
NOTE: SEE PLANS FOR SIZE & SPACING



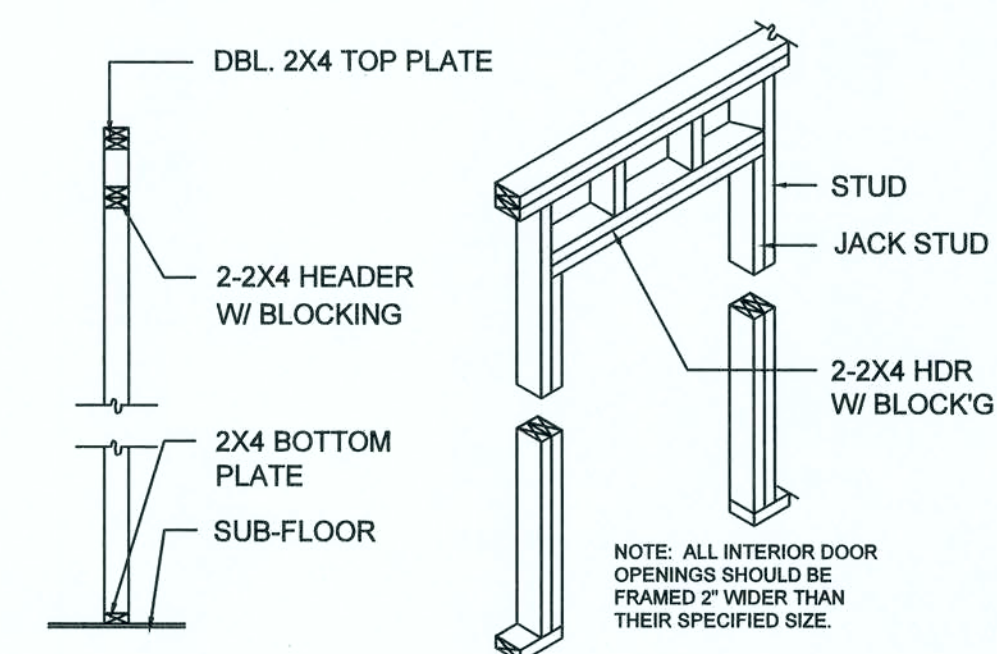
WALL CORNER



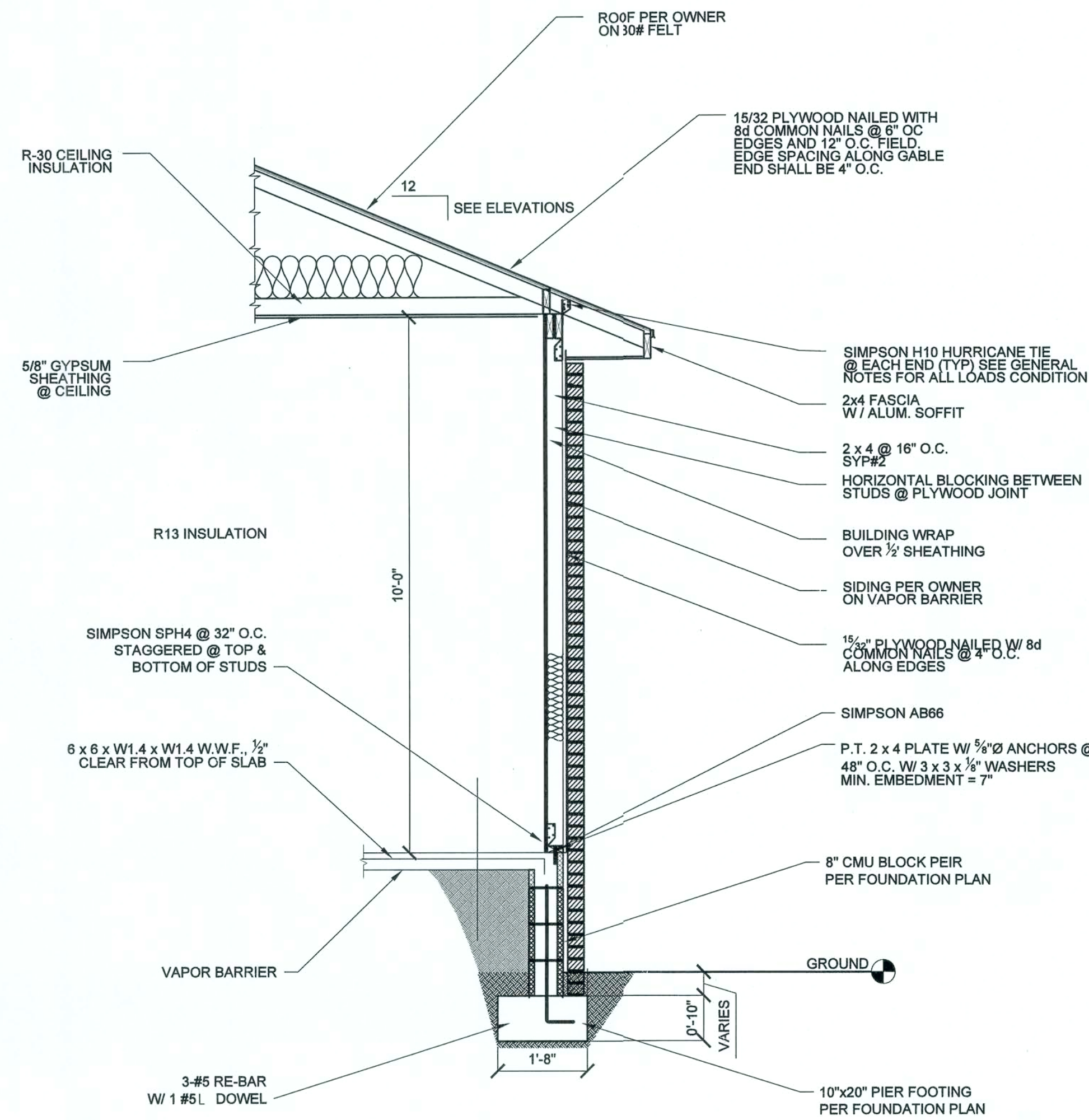
WALL INTERSECTION



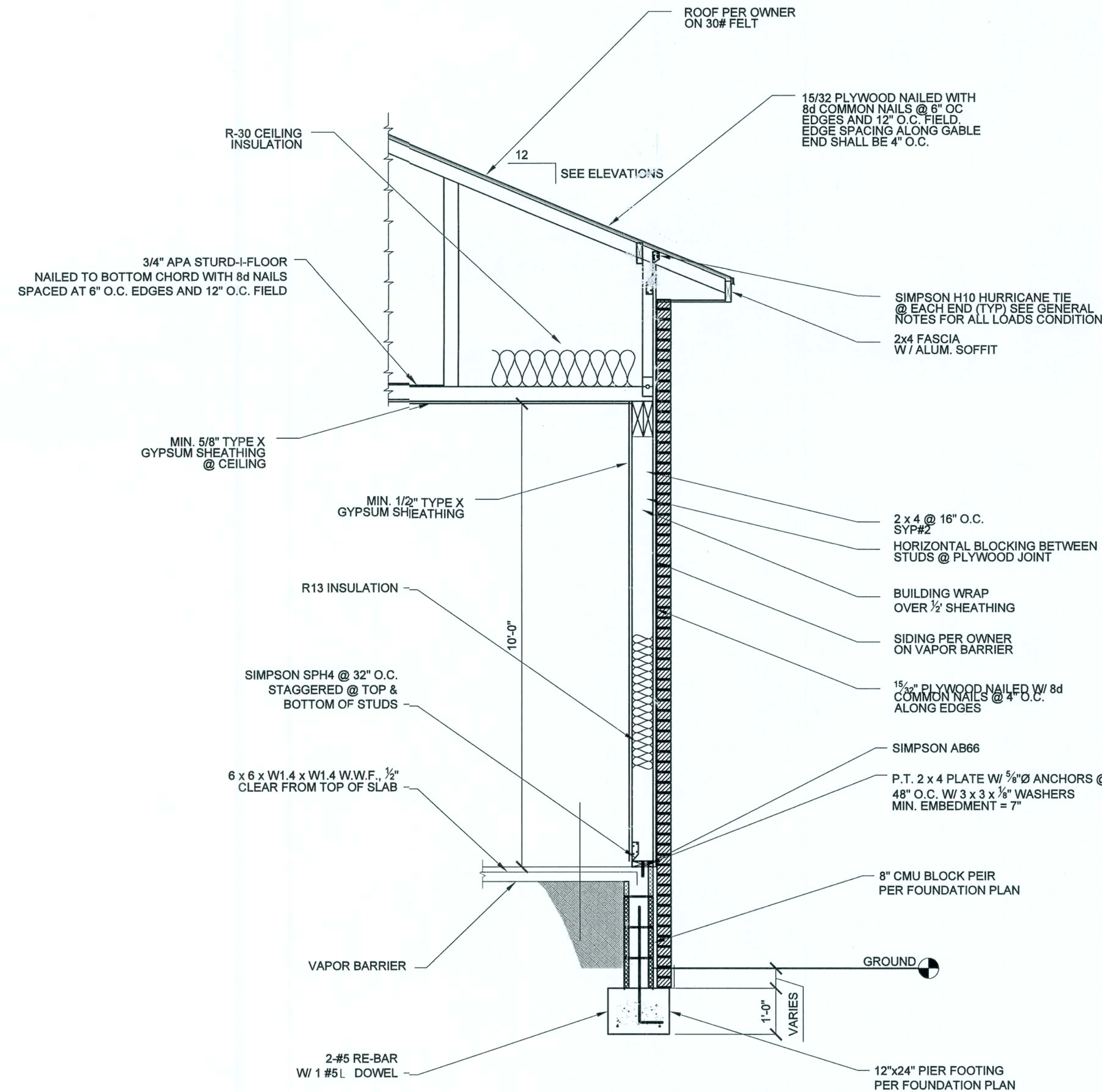
NOTE: ALTERNATE BRIDGING MAY BE ACCOMPLISHED W/ SECTIONS OF FLOOR JOIST MATERIAL PLACED PERPENDICULAR TO JOISTS, STAGGERED ALONG THE LINE OF BRIDGING.



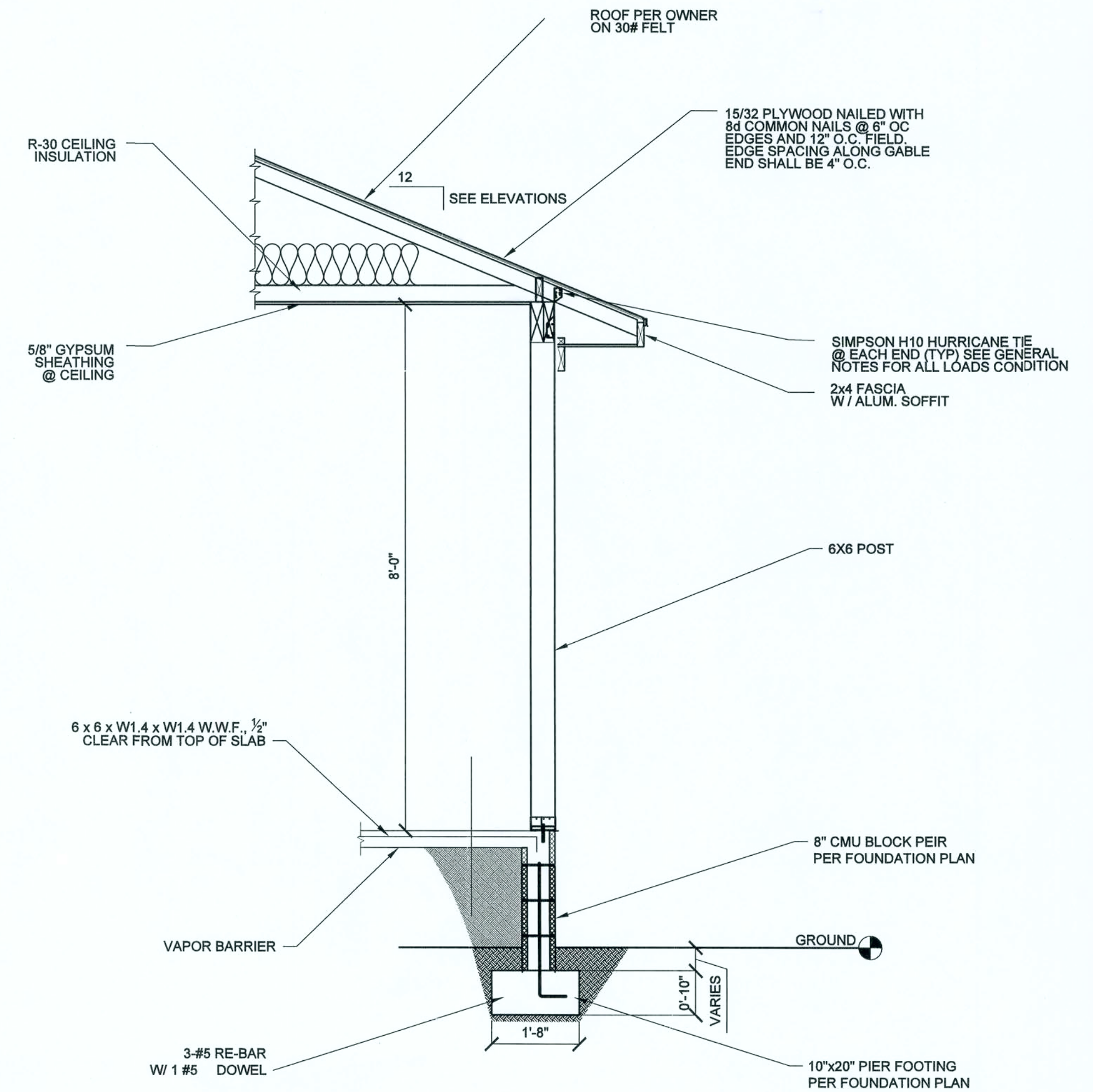
NON-BEARING WALL HEADER



1 WALL DETAIL
1/4" = 1'-0"

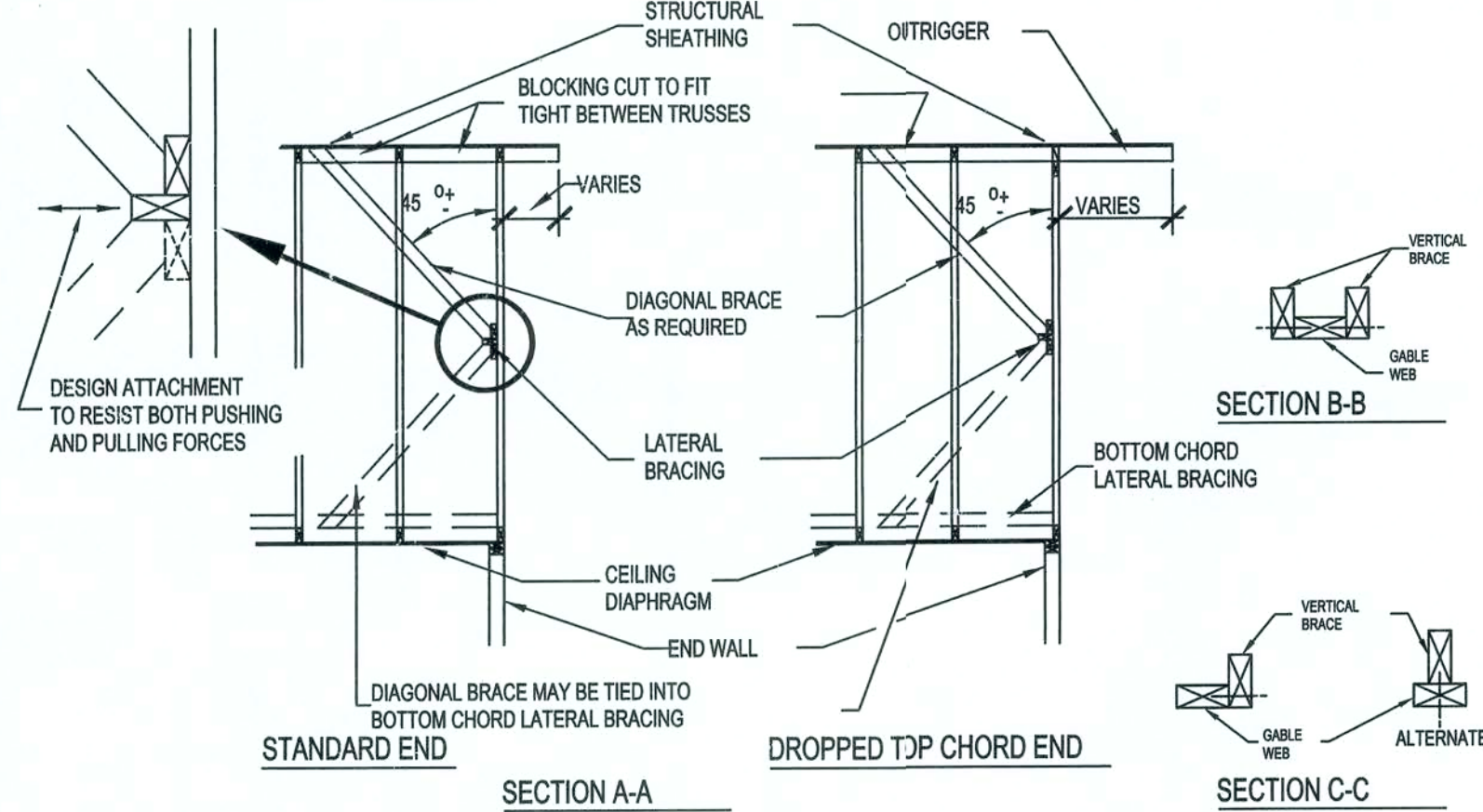
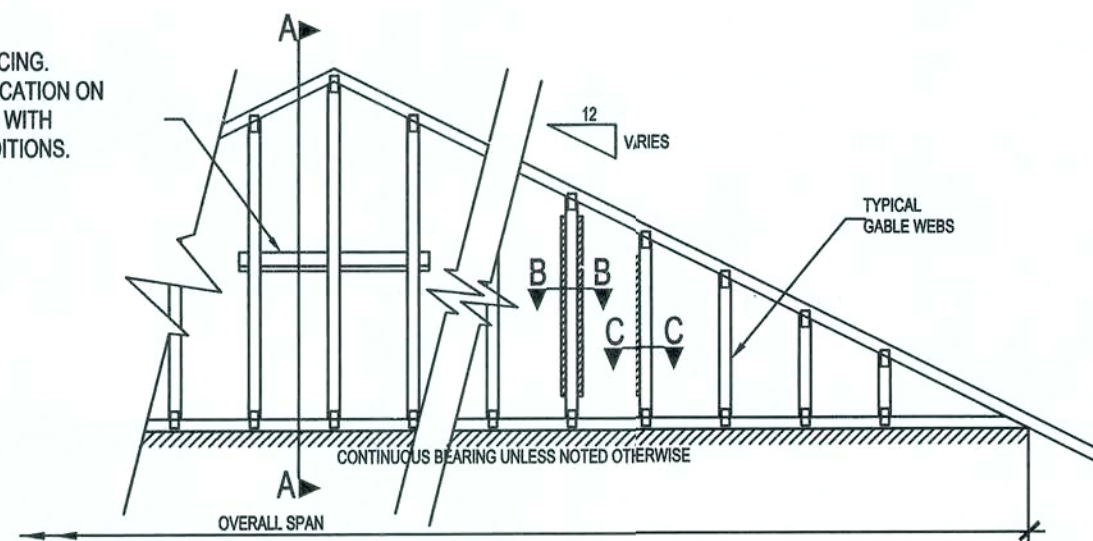


3 DETAIL
1/4" = 1'-0"



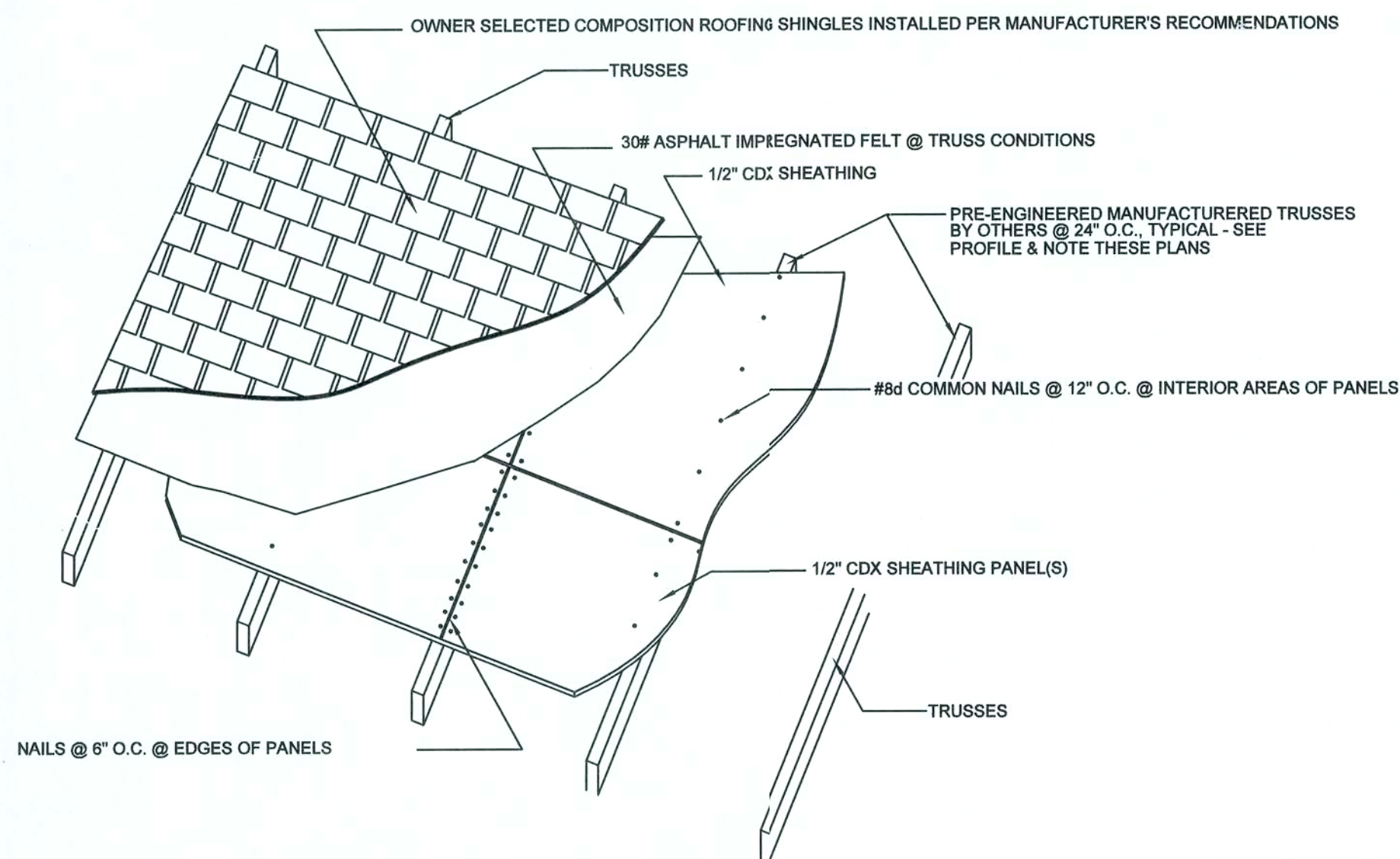
2 PORCH DETAIL
1/4" = 1'-0"

LATERAL BRACING.
NUMBER & LOCATION ON
WEBS VARIES WITH
DESIGN CONDITIONS.

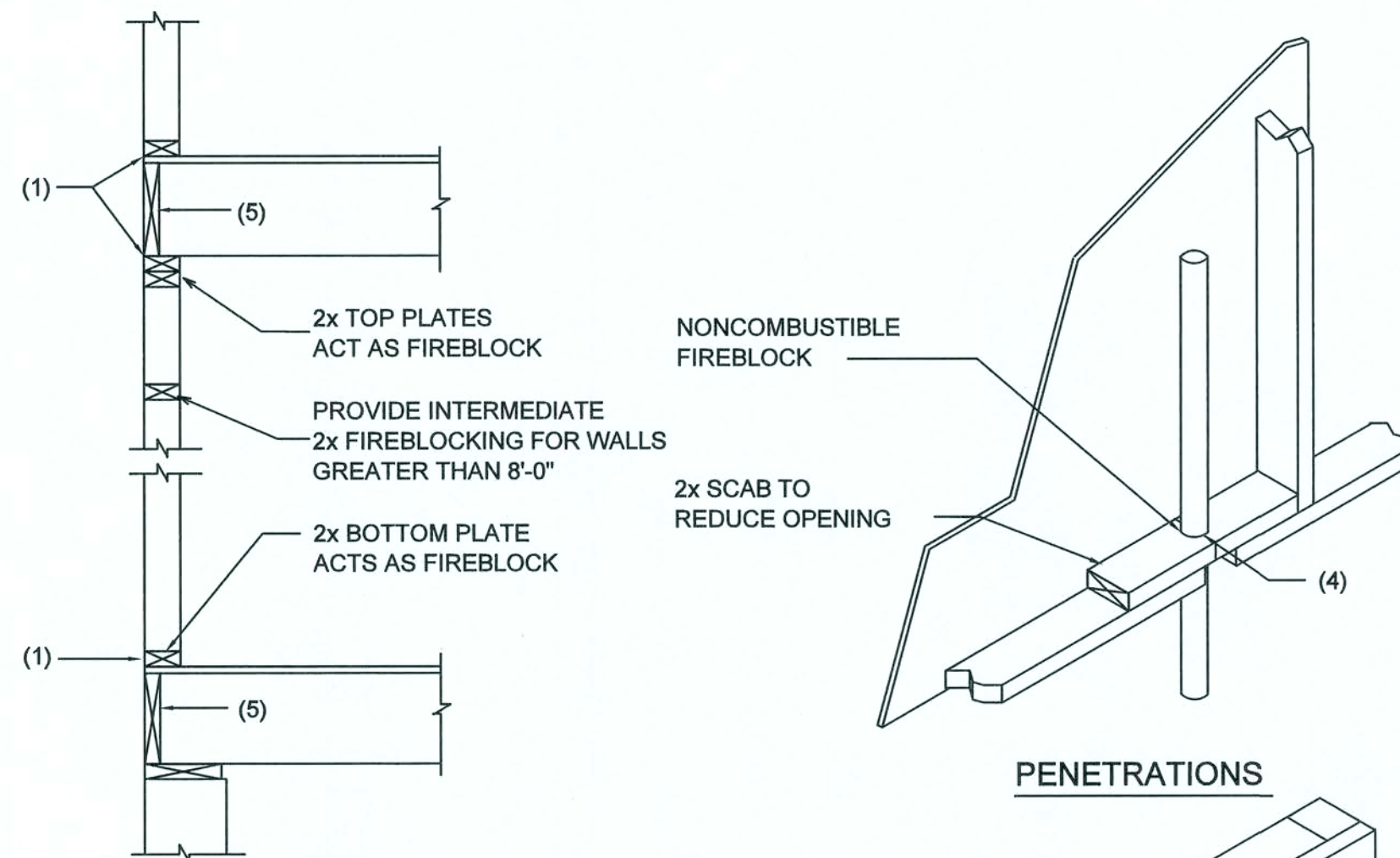


NOTES:

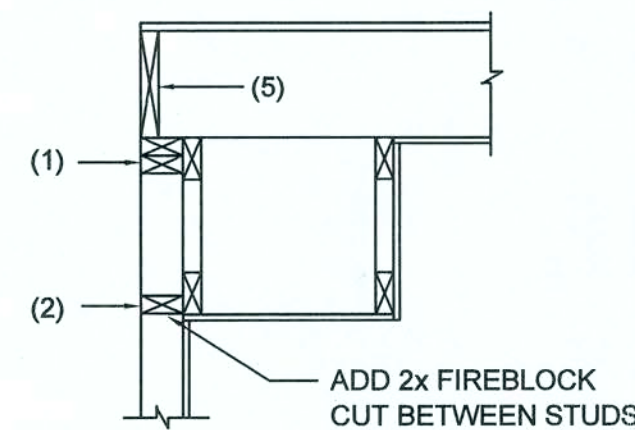
- 1) ACTUAL BRACING REQUIREMENTS WILL VARY DUE TO WIND LOAD, CODE CRITERIA, BUILDING HEIGHT, TRUSS SPAN, WEB LUMBER GRADE/SPECIES/ON CENTER SPACING AND OTHER VARIABLES. BRACING (AND ATTACHMENT) REQUIREMENTS SHOULD BE DESIGNED FOR EACH SPECIFIC JOB.
- 2) CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL, AS WELL AS THE DESIGN AND SPECIFICATION OF TEMPORARY AND PERMANENT BRACING OF THE ROOF SYSTEM IS THE RESPONSIBILITY OF THE BUILDING DESIGNER.



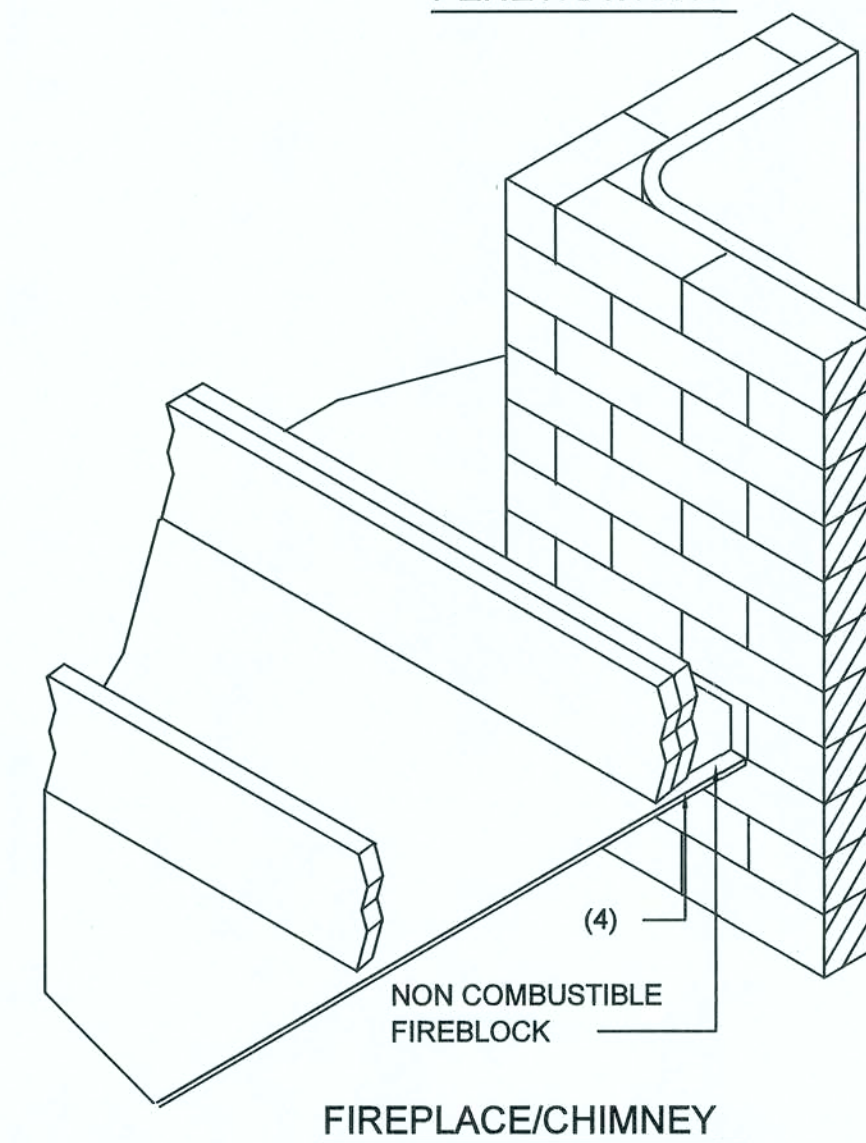
ROOFING & SHEATHING CONNECTIONS TO TRUSSES



PLATFORM FRAMING



SOFFIT/DROPPED CLG.



NOTE:
SHEATHING ON FIRE RATED ASSEMBLIES SHALL BE
2 LAYERS OF 5/8\"/>

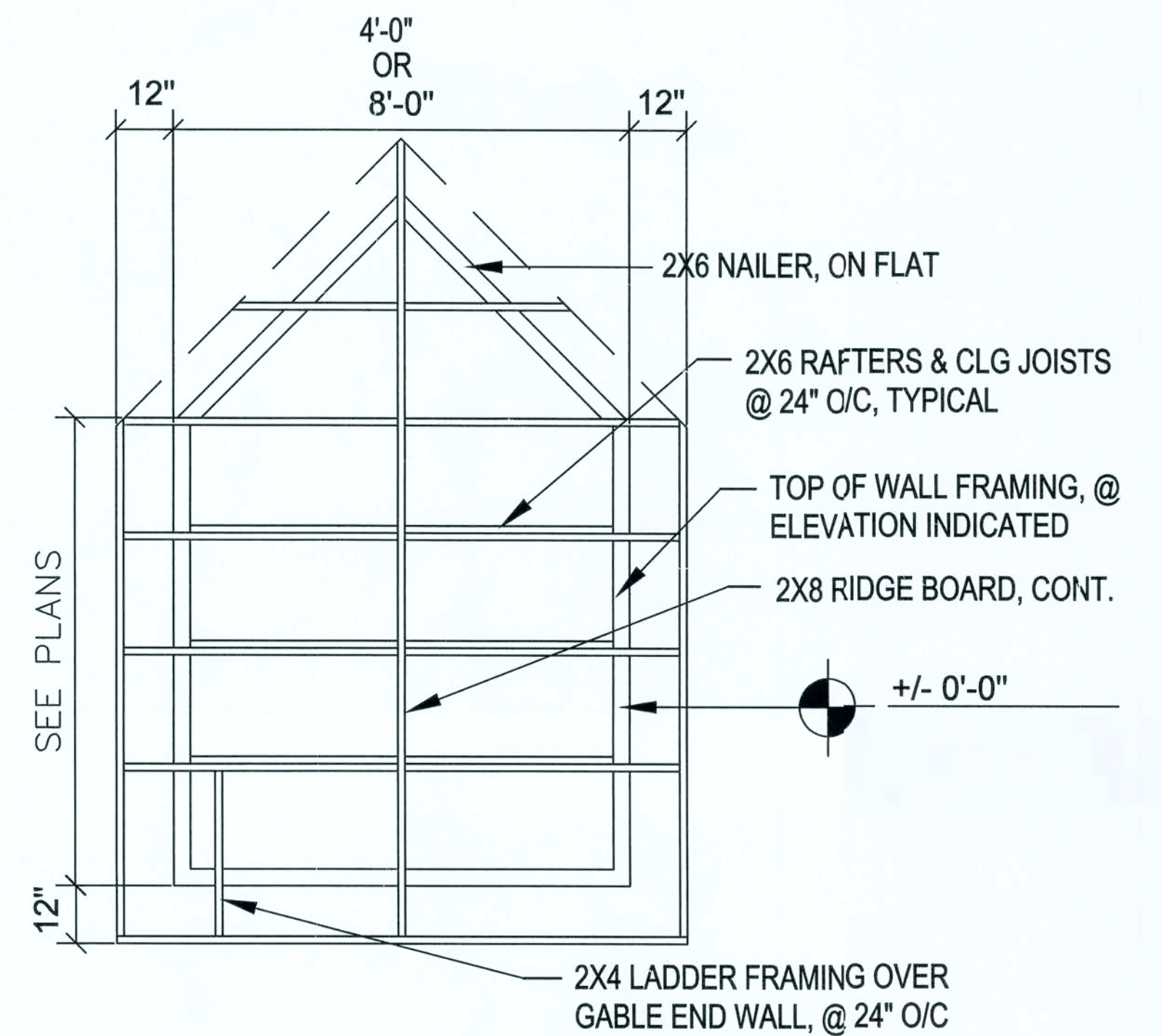
Fire Stopping DETAILS

SCALE: NONE

FIREBLOCKING NOTES:

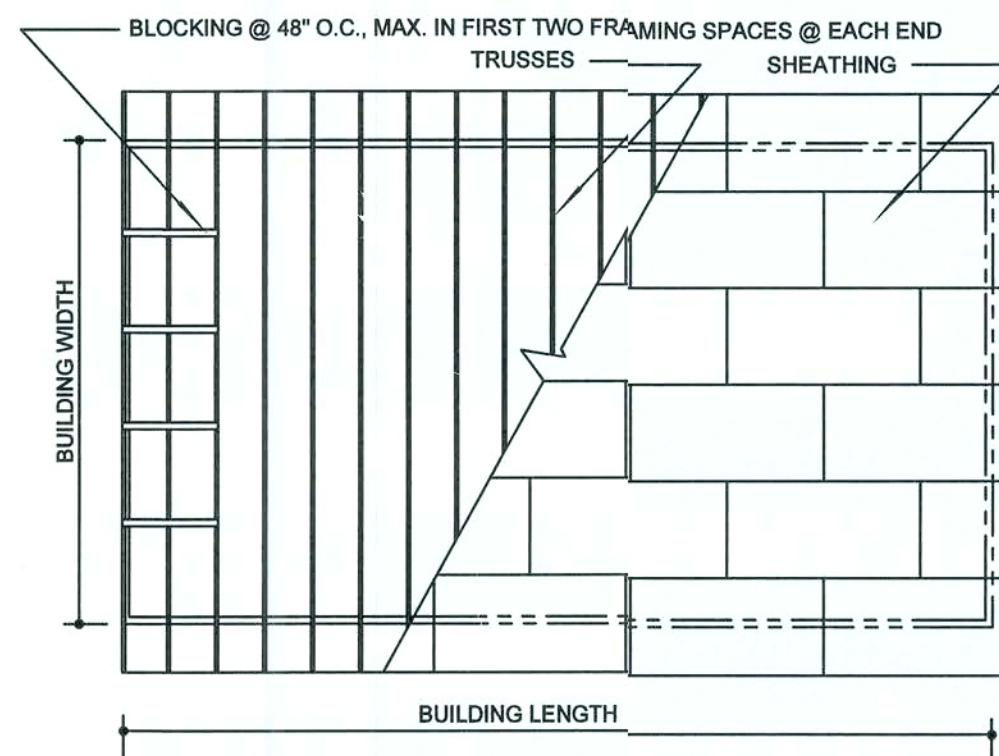
FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:

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. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROPANEL MULTIFLEX SEALANT"
4. 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.



GABLE END FRAMING

NTS



ROOF SHEATHING LAYOUT AND ENDWALL ROOF BRACING

REVISION NOTES		ISSUED FOR CONSTRUCTION
REV #	DATE	
-	05-24-07	

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Gary Gill, PE 51942
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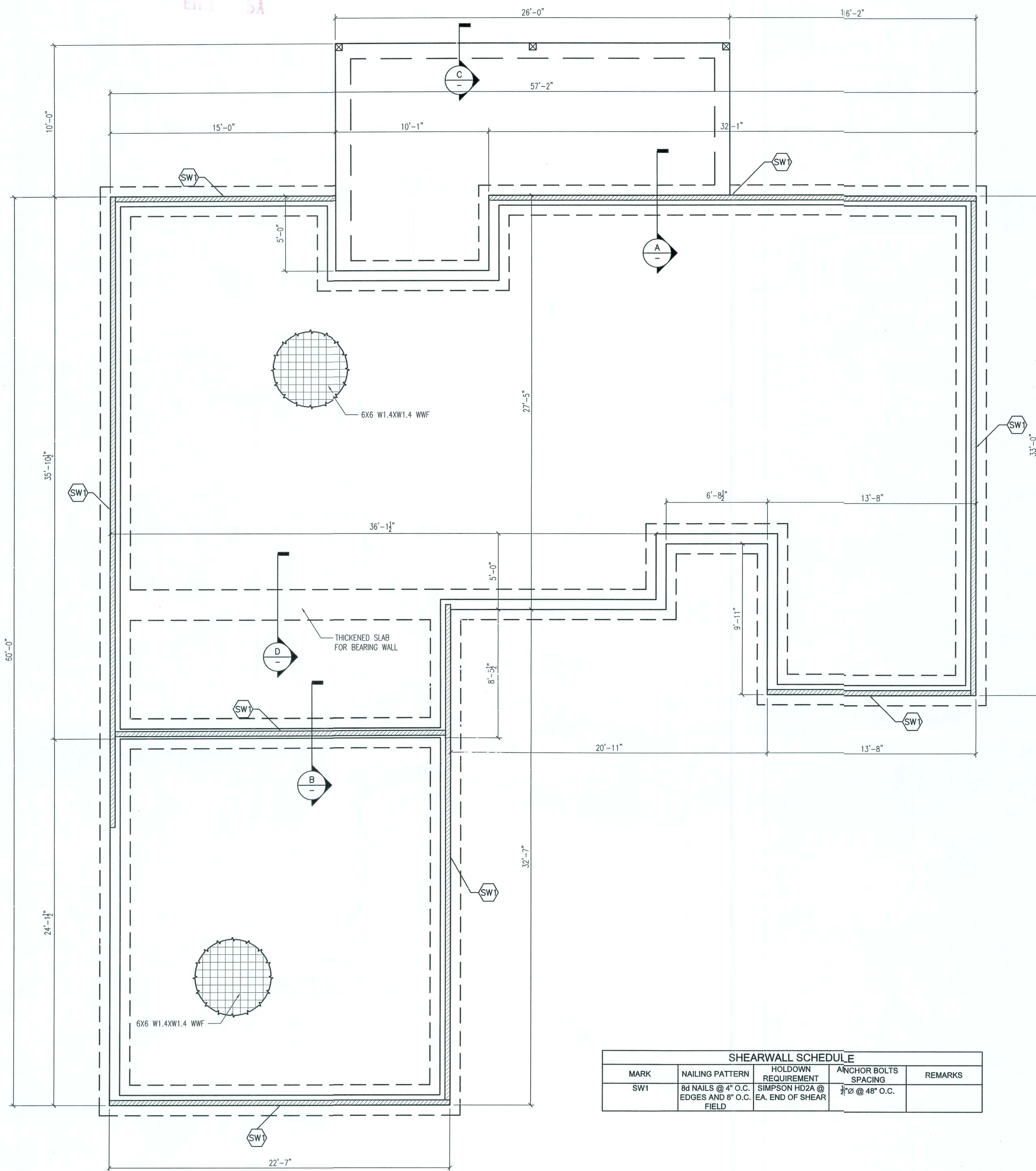
STRUCTURAL CIVIL ENGINEERS

CAMPBELL RESIDENCE
COLUMBIA COUNTY, FL.

ROOF NOTES

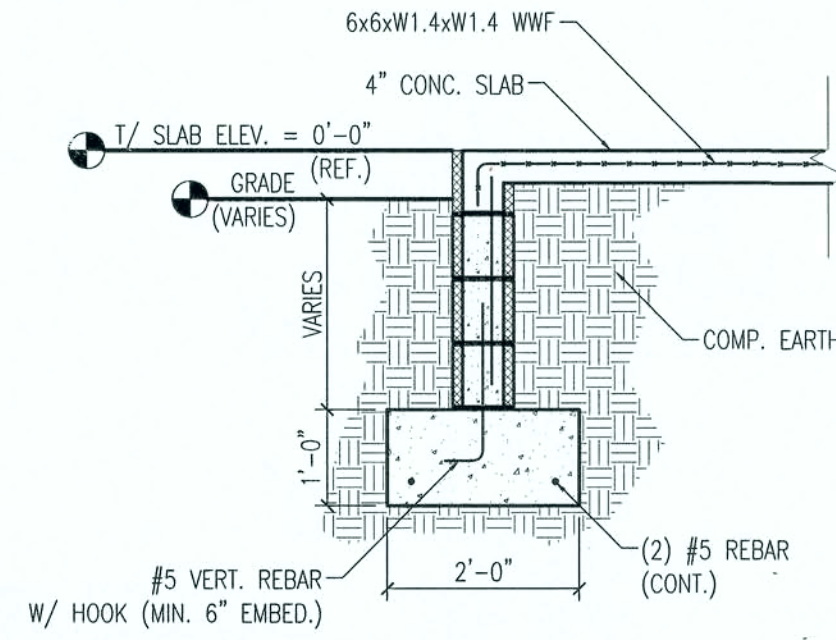
PROJECT NUMBER
PF07-179
DRAWN BY
D. PRICE
CHECKED BY
G.G.

S-4.0

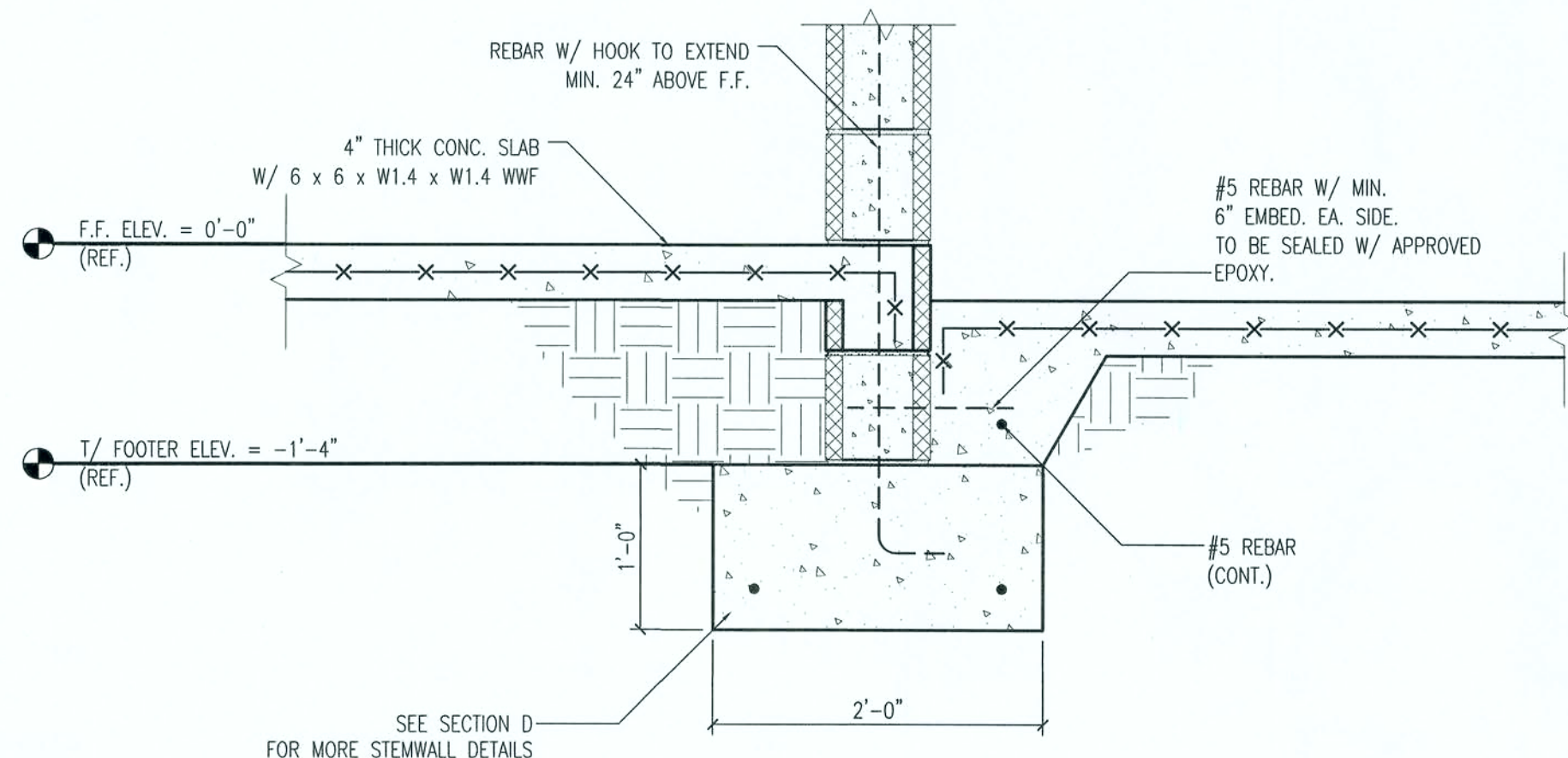


SHEARWALL SCHEDULE				
MARK	NAILING PATTERN	HOLDOWN REQUIREMENT	ANCHOR BOLTS SPACING	REMARKS
SW1	8d NAILS @ 4" O.C. EDGES AND 6" O.C. FIELD	SIMPSON HD2A @ EA. END OF SHEAR	3/8" @ 48" O.C.	

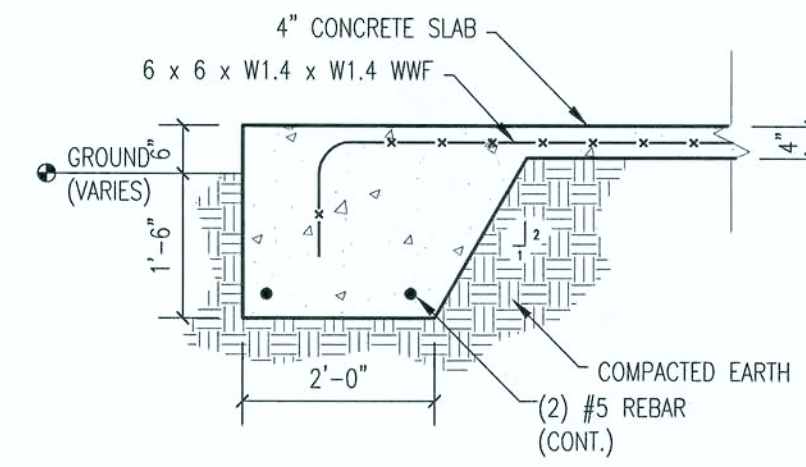
FOUNDATION PLAN
1/4" = 1'-0"



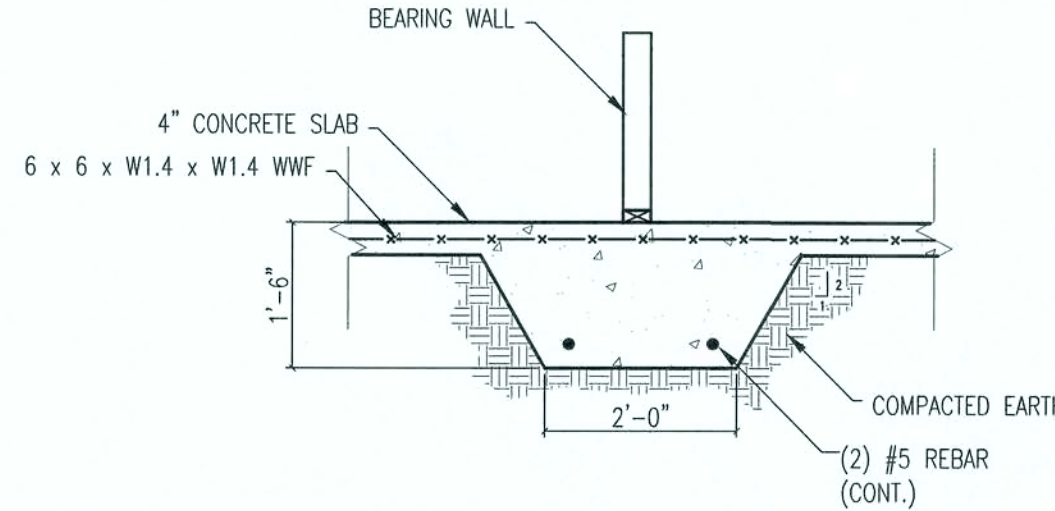
A SECTION A
1/2" = 1'-0"



B SECTION B
1" = 1'-0"



C SECTION C
1/2" = 1'-0"



D SECTION D
1/2" = 1'-0"

REV #	DATE	REVISION NOTES
###		

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STRUCTURAL CIVIL ENGINEERS

CAMPBELL RESIDENCE
NEW HOUSE
COLUMBIA COUNTY, FL.

FOUNDATION PLAN

PROJECT NUMBER	PF07-122
DRAWN BY	D. PRICE
CHECKED BY	G.G.

S-1.0

7/7/07