

TERMITE SPECIFICATIONS:
<p><b>SECTION R320 PROTECTION AGAINST TERMITES</b></p> <p>TERMITE PROTECTION SHALL BE PROVIDED BY REGISTERED TERMITICIDES, INCLUDING SOIL APPLIED PESTICIDES, BAITING SYSTEMS, AND PESTICIDES APPLIED TO WOOD, OR OTHER APPROVED METHODS OF TERMITE PROTECTION LABELED FOR USE A PREVENTIVE TREATMENT TO NEW CONSTRUCTION (SEE SECTION 202, REGISTERED TERMITICIDE). UPON COMPLETION OF THE APPLICATION OF THE TERMITE PROTECTIVE TREATMENT, A CERTIFICATE OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY THE LICENSED PEST CONTROL COMPANY THAT CONTAINS THE FOLLOWING STATEMENT: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. TREATMENT IS IN ACCORDANCE WITH RULES AND LAWS ESTABLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES."</p> <div><p><b>NOTE:</b></p><p>1) METHOD OF TREATMENT SHALL BE APPROVED BY THE GOVERNING JURISDICTION "LIQUID BORATE OR BOR-A-COR" PRODUCT METHODS MUST BE DETERMINED AT PERMIT STAGE AND PRODUCT APPROVAL DATA MUST BE ON FILE WITH THE BUILDING DEPARTMENT.</p><p>2) PRESSURE TREATED LUMBER THAT HAS BEEN CUT OR DRILLED THAT EXPOSES UNTREATED PORTIONS OF WOOD ARE REQUIRED TO BE FIELD TREATED TO PREVENT INSECT INFESTATION.</p></div> <p><b>1. BORATE APPLIED TO ALL FRAME MEMBERS WITHIN 24" A.F.F.</b></p> <div><p><b>NOTE:</b></p><p>WHERE PROJECT IS TO BE LOCATED IN KNOWN RADON GAS PREVALENT AREAS, APPENDIX "F" OF THE 2004 FLORIDA RESIDENTIAL BUILDING CODE IS TO BE IMPLEMENTED. CONCRETE STRENGTH IN THESE AREAS ARE TO BE A MINIMUM OF 3000 P.S.I.. THEREFORE, ANY AND ALL NOTES ON THESE PLANS THAT INDICATE 2500 PSI SHALL BE REPLACED WITH 3000 P.S.I. FOR THE CONCRETE STRENGTH.</p></div>

## STRUCTURAL NOTES:

### CAST IN PLACE CONCRETE

1. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 2500 PSI, A SLUMP OF 3" FOR FOOTINGS/FOUNDATIONS AND 4" FOR SLABS
2. ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 40.
3. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. WWF SHALL BE LAPPED AT LEAST 8" AND CONTAIN AT LEAST ONE CROSS WIRE WITHIN THE 8".
4. HOOKS SHALL BE PROVIDED AT DISCONTINUOUS ENDS OF ALL TOP BARS OF BEAMS.
5. HORIZONTAL FOOTING BARS SHALL HAVE 1'-0" HOOK LENGTH OR CORNER BARS WITH A 2'-1" LAP PROVIDED
6. MINIMUM LAP SPICES ON ALL REINFORCING BAR SPICES SHALL BE 40 BAR DIAMETERS TYP.
7. CONCRETE COVER MIN. 3" WHEN EXPOSED TO EARTH OR 1 1/2" TO FORM.

### REINFORCING STEEL

ALL REINFORCING STEEL SHALL BE NEW DEFORMED BARS FREE FROM RUST, SCALE & OIL & SHALL MEET ASTM A-615 REINFORCING FOR FOOTING SHALL BE SUPPORTED ON PRE-CAST CONCRETE PADS, TOP REINFORCING SHALL BE POSITIVELY SUPPORTED BY TEMPORARY STRINGERS. DOWELS FOR COLUMNS & FILLED CELLS SHALL BE SECURED IN PLACE BY USING ADDITIONAL CROSS-REINFORCING TIED TO FOOTING REINFORCING. SPICES IN REINFORCING WHERE PERMITTED SHALL BE THE FOLLOWING MINIMUM, UNLESS OTHERWISE INDICATED ON THE DRAWINGS:

FTGS, WALLS, COLUMNS, BEAMS, SLABS:	36 DIA. OR 2'-0" MIN.
FILLED CELL REINFORCING:	40 DIA. OR 2'-1" MIN.
TEMPERATURE REINFORCING:	20 DIA. OR 1'-0" MIN.
WELDED WIRE MESH:	8" LAP

### MASONRY WALL CONST.

1. 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 ( f'm = 1500 PSI )
2. MORTAR SHALL BE TYPE "S", CONFORMING TO ASTM C270.
3. COARSE GROUT SHALL CONFORM TO ASTM C476 WITH A MAXIMUM AGGREGATE SIZE OF 3/8" AND A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 3000 PSI SLUMP 8" TO 11".
4. VERTICAL REINFORCEMENT SHALL BE AS NOTED ON THE DRAWINGS WITH THE CELLS FILLED WITH COARSE GROUT.
5. VERTICAL REINFORCEMENT SHALL BE HELD IN POSITION AT THE TOP AND BOTTOM AND AT A MAXIMUM SPACING OF 192 BAR DIAMETERS. REINFORCEMENT SHALL BE PLACED IN THE CENTER OF THE MASONRY CELL TYPICAL UNLESS OTHERWISE NOTED.
6. REINFORCING STEEL SHALL BE LAPPED A MINIMUM OF 40 BAR DIAMETERS, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
7. GROUT STOPS SHALL BE PROVIDED BELOW BOND BEAM. PLASTIC SCREEN, METAL LATH STRIP OR CAVITY CAPS MAY BE USED TO PREVENT THE FLOW GROUT INTO CELLS BELOW. THE USE OF FELT PAPER AS A STOP IS PROHIBITED.

### WOOD CONSTRUCTION

1. WOOD CONSTRUCTION SHALL CONFORM TO THE NDS "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION", 2001 EDITION.
2. 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 OR BETTER SHALL BE USED REGARDLESS OF SPECIES.
3. 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.
4. FASTENERS FOR PRESSURE PRESERVATIVE AND FIRE-RETARDANT-TREATED WOOD SHALL BE OF HOT-DIPPED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER.

### PREFABRICATED WOOD TRUSSES

1. ALL PREFABRICATED WOOD TRUSSES SHALL BE SECURELY FASTENED TO THEIR SUPPORTING WALLS OR BEAMS WITH HURRICANE CLIPS OR ANCHORS.
2. PREFABRICATE 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.
3. 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.
4. BRIDGING FOR PRE-ENGINEERED TRUSSES SHALL BE AS REQUIRED BY THE TRUSS MANUFACTURER UNLESS NOTED ON THE PLANS.
5. 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:
6. DESIGN SPECIFICATIONS FOR LIGHT WEIGHT METAL PLATE CONNECTED WOOD TRUSSES PER THE TRUSS PLATE INSTITUTE TPI LATEST EDITION.
7. 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 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 TRUSS ENGINEER. SUBMIT 3 COPIES FOR REVIEW. ONE SIGNED AND SEALED COPY TO BE SENT TO THE STRUCTURAL ENGINEER PRIOR TO FABRICATION FOR VERIFICATION OF LOADS AND CONNECTORS SPECIFIED ON DRAWINGS.
8. 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

1. 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 MAY NOT NEED TO HAVE CONNECTORS APPLIED. PLEASE CONSULT THE TRUSS ENGINEERING FIRM FOR THE LOCATION OF THESE WALLS.

### FIELD REPAIR NOTES

1. MISSED "J" BOLTS FOR WOOD BEARING WALLS MAY BE SUBSTITUTED W/ 1/2" DIA. EPOXY ANCHORS WITH 6" EMBEDMENT. SIMPSON "SET" EPOXY ADHESIVE BINDER FOLLOWING ALL MANUFACTURERS RECOMMENDATIONS. SEE PLAN FOR EMBEDMENT DEPTH AT FLOOR STEPS.
2. FOR MISSED VERT. DOWELS 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 EMBEDMENT EPOXY ( SIMPSON "SET", 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 POUR.
3. 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 )
4. MISSED LINTEL STRAPS FOR MASONRY CONSTRUCTION MAY BE SUBSTITUTED WITH (1) SIMPSON MTSM16 1" TWIST STRAP W/ (4) 1/4" X 2 3/4" TITENS TO MASONRY AND (7)-10d NAILS TO TRUSS FOR UPLIFTS LESS THAN 860 LBS (USE (2) MTSM16 FOR UPLIFTS LESS THAN 1720#). NO MORE THAN 10 STRAPS MAY BE SUBSTITUTED OR NO MORE THAN 3 IN A ROW. IF GIRDER TRUSS CONNECTIONS ARE MISSED CONTACT ENGINEER OF RECORD FOR SUBSTITUTION.

# STRUCTURAL DESIGN CRITERIA

**CODES:**

FLORIDA RESIDENTIAL BUILDING CODE, 2004 EDITION  
2004 FLORIDA RESIDENTIAL BUILDING CODE,  
PLUMBING, MECHANICAL, FUEL GAS, ENERGY  
EFFICIENCY, ACCESSIBILITY, NFPA 70A-02  
AND NATIONAL ELECTRICAL CODES  
BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-02)  
SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS (ACI 301-02)  
BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-02)  
NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, 2001 EDITION  
WOOD FRAMED CONSTRUCTION MANUAL, 2001 EDITION  
APA PLYWOOD DESIGN SPECIFICATION

**LIVE LOADS:**

ROOF	20 PSF (REDUCIBLE)
RESIDENTIAL FLOOR, UNLESS OTHERWISE INDICATED	40 PSF
BALCONIES (LESS THAN 100 SQ FT.)	60 PSF
STAIRS	40 PSF
LIGHT PARTITIONS (DEAD LOAD), U.N.O.	20 PSF
ATTIC W/O STORAGE	10 PSF

**CONCRETE STRENGTH @ 28 DAYS**

ALL CONCRETE UNLESS OTHERWISE INDICATED	2500 PSI
PEA GRAVEL CONCRETE FOR MASONRY CELLS ONLY (DO NOT USE FOR CONCRETE COLUMNS OR TIE BEAMS)	3000 PSI

**REINFORCING:**

WELDED WIRE FABRIC SHALL CONFORM TO ALL REINFORCING BARS	ASTM A185
ALL STIRRUPS AND TIES	ASTM A615-40 40,000 PSI
POLYPROPYLENE FIBERS FOR SLABS ON GRADE	ASTM A615-40 40,000 PSI
	MINIMUM 1.5 LBS. OF FIBERS PER CUBIC YARD

**CONCRETE MASONRY UNITS:**

ASTM C90-01, STANDARD WEIGHT UNITS, fm=1500 PSI  
MORTAR TYPE "S" 1800 PSI  
CONCRETE GROUT 3000 PSI  
CONTINUOUS MASONRY INSPECTION IS REQUIRED DURING CONSTRUCTION

**STRUCTURAL STEEL:**

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

**WOOD FRAMING:**

BEAMS, RAFTERS, JOIST, PLATES, ETC. U.N.O.  
NO. 2 SOUTHERN YELLOW PINE (19% M.C.)  
ROOF DECK: PLYWOOD C/C/D, EXTERIOR, OR OSB  
FLOOR SHEATHING: T&G A-C GROUP 1 APA RATED (48/24)  
WALL SHEATHING: PLYWOOD C/C/D, EXTERIOR OR OSB  
VERSA LAM BEAM Fb = 2900 PSI (2.0E)  
WOOD COLS. PARALLAM 2.0E U.N.O.

DESIGN LOADS:

SHINGLE ROOF:	
TOP CHORD LIVE LOAD:	20 PSF
TOP CHORD DEAD LOAD:	10 PSF

**WOOD ROOF TRUSSES:**

BOTTOM CHORD DEAD LOAD:	10 PSF
	40 PSF
BOTTOM CHORD ATTIC LIVE LOAD:	10 PSF

**SEE DRAWINGS FOR SPECIAL CONCENTRATED LOADS. DESIGN FOR NEW WIND UPLIFT AS PER SPECIFIED CODES, DEDUCTING A MAXIMUM OF 5 P.S.F. DEAD LOAD, BUT NOT EXCEEDING ACTUAL DEAD LOAD.**

**SOIL BEARING VALUE:**

ASSUMED ALLOWABLE SOIL BEARING PRESSURE AFTER COMPACTION: 2000 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. SOIL TO BE COMPACTED TO AT LEAST 95% OF MAX. DRY DENSITY AS DETERMINED BY ASTM - 1557 ( MODIFIED PROCTOR )

BUILDING DATA	
MEAN ROOF 15 FT. HIGH TYPICAL FOR SINGLE STORY HOMES	WIND LOADS BASED ON FBC, SECTION 1609 WIND SPEED 110 MPH (3 SEC. GUST) WIND IMPORTANCE FACTOR - (lw) = 1.0 WIND EXPOSURE - "B" (FBC 1609.4) INTERNAL PRESSURE COEFFICIENT = +/- 0.18 (ENCLOSED BLDG)
	THIS DRAWING AND DESIGN IS VALID FOR 12 MONTHS AFTER THE DATE IT IS SIGNED AND SEALED OR WHILE CURRENT CODE IS VALID
	<b>DESIGN WIND PRESSURE:</b> (COMPONENT AND CLADDING) WORST CASE IS END ZONE WITH AN EFFECTIVE WIND AREA OF 10 S.F. END ZONE PRESSURE IS APPLICABLE TO AN OPENING WITHIN 4'-0" OF AN EXTERIOR BUILDING CORNER
	<b>FOR WINDOWS &amp; DOORS SEE FLOOR PLAN FOR ACTUAL PRESSURES</b> GARAGE DOORS SINGLE 9x7 +19.1 PSF / -21.6 PSF DOUBLE 16x7 +18.3 PSF / -20.4 PSF

INDEX OF DRAWINGS	
SHT NO:	TITLE
1	COVER SHEET
2	FLOOR PLAN
	FOUNDATION PLAN
	ELEVATIONS
S-2	ELECTRICAL PLAN
	DETAILS
S-3	DETAILS
S-4	DETAILS

LAST PLOT DATE: March 06, 2008 11:41 AM  
IF THIS IS PRINTED ON 11 X17 MEDIA THEN REDUCE SCALE BY 50 %

PROJECT:

Debra and Braulio Peruyero  
13534 S W Tustenuggee Ave.  
Fort White, FL 32038

SHEET NO.

1 OF 5

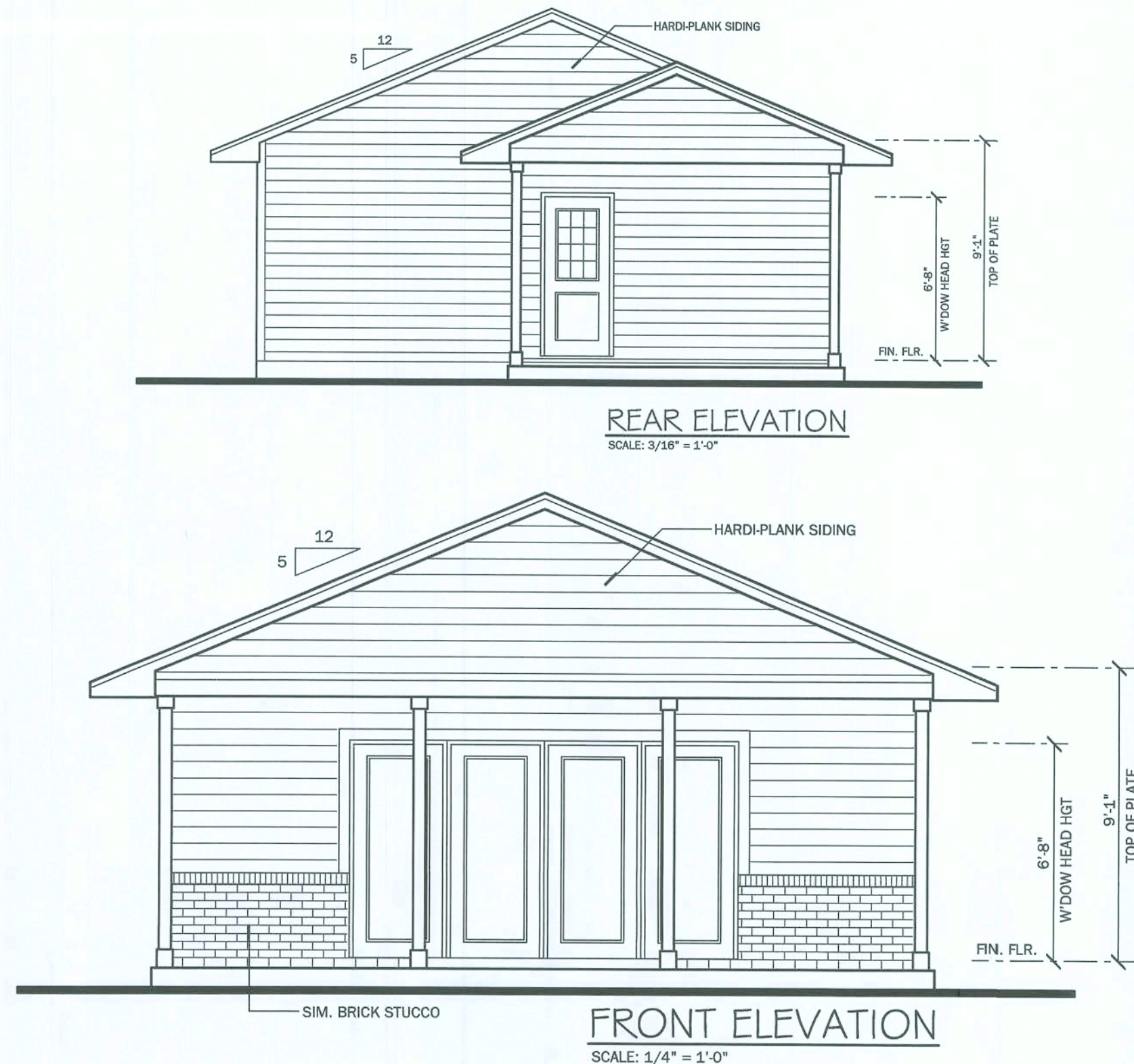
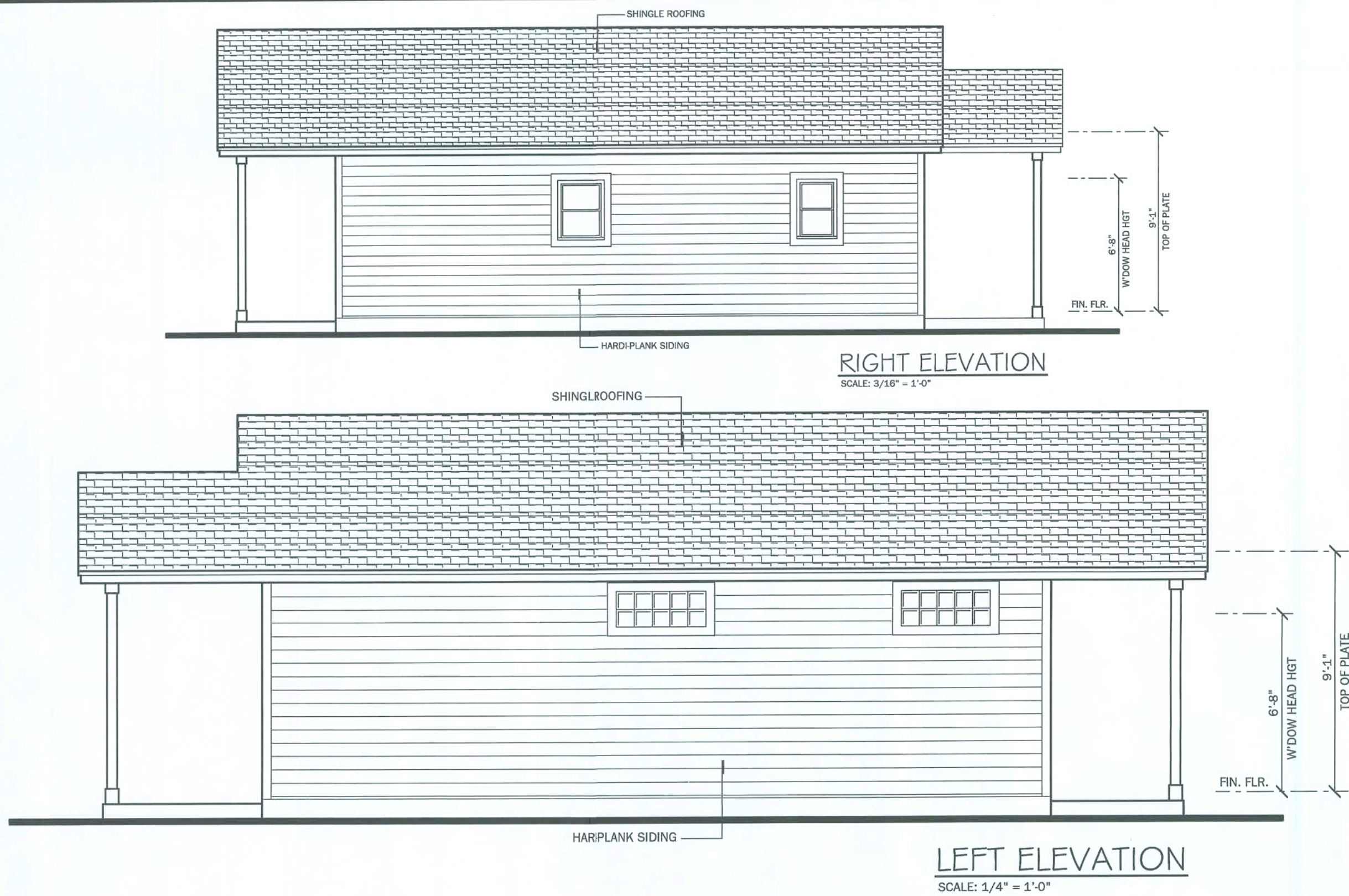
COVER SHEET

Tri-County Home Designs  
P.O. Box 285  
Trenton, FL 32693  
352-463-9857 Office  
352-274-3006 Mobile  
tchdesigns@gmail.com  
Certificate of Authorization #27295

RANDOLPH WIGGINS, P.E.  
3260 Patton Ave  
Dayton, FL 32119  
STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2004 FLORIDA RESIDENTIAL BUILDING CODE.  
SIGNATURE SEAL ON ANYTHING BEING SUBMITTED FOR PERMITTING PURPOSES ONLY  
DATE: March 06, 2008

Construction Residential Homes Commercial  
Debra and Braulio Peruyero  
CSC 125367 CSC 132366





# 110 MPH OPENING PRESSURES

INTERIOR ZONE	END ZONE
<b>A</b>	<b>B</b>
+21.8 / -23.6	+21.8 / -29.1
<b>C</b>	<b>D</b>
+20.8 / -22.6	+20.8 / -27.2
<b>E</b>	<b>F</b>
+19.5 / -21.3	+19.5 / -24.6
<b>G</b>	<b>H</b>
SEE COVER	SEE COVER

## WALL LEGEND

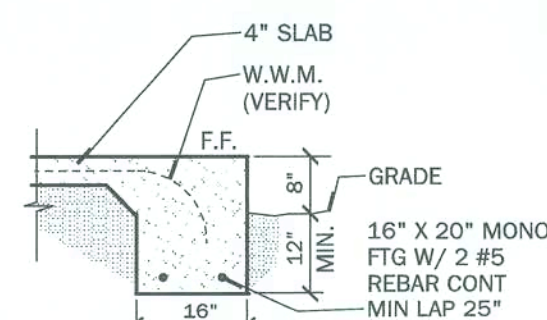
FRAMED WALL

FRAMED SHEAR WALL

BEARING WALL

2x4 FRAMED WALL W/ SIDING

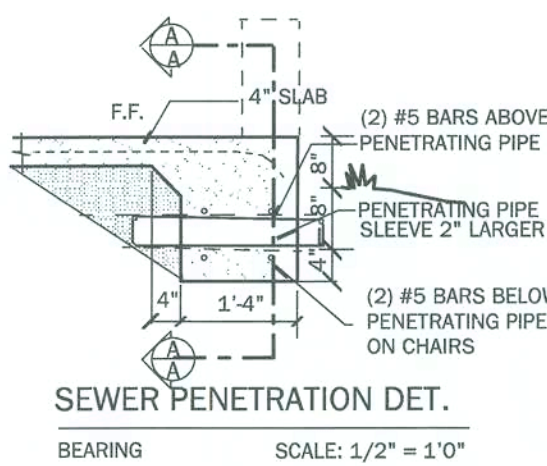
- NOTE:
- ALL WINDOWS WITHIN 2'-0" OF DOORS AND IN SHOWER OR TUB AREAS WILL BE SAFETY TEMPERED GLASS.
  - ALL DOORS LEADING FROM UNCONDITIONED SPACE TO CONDITIONED SPACE SHALL BE SOLID CORE.
  - CEILING FOR EXTERIOR ENTRIES AND COVERED PORCHES TO HAVE 7/16" SPAN RATED OSB NAILED PER ZONE ON ROOF DIAPHRAGM NAILING SCHEDULE ON SHEET S-4.
  - DOOR FROM GARAGE INTO HOUSE MUST BE SPECIFIED AS EITHER A MINIMUM 1 3/8" SOLID WOOD DOOR, SOLID OR HONEYCOMB STEEL DOOR, OR 20 MINUTE FIRE RATED DOOR.



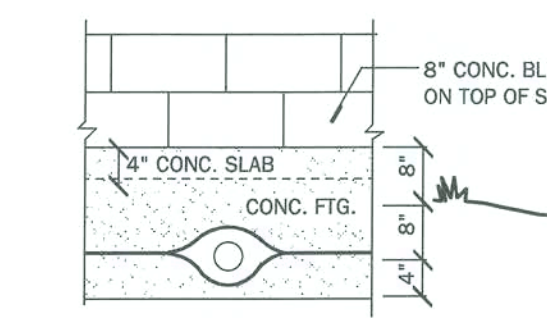
1 SINGLE STORY FTG BEARING SCALE: 1/2" = 1'-0"



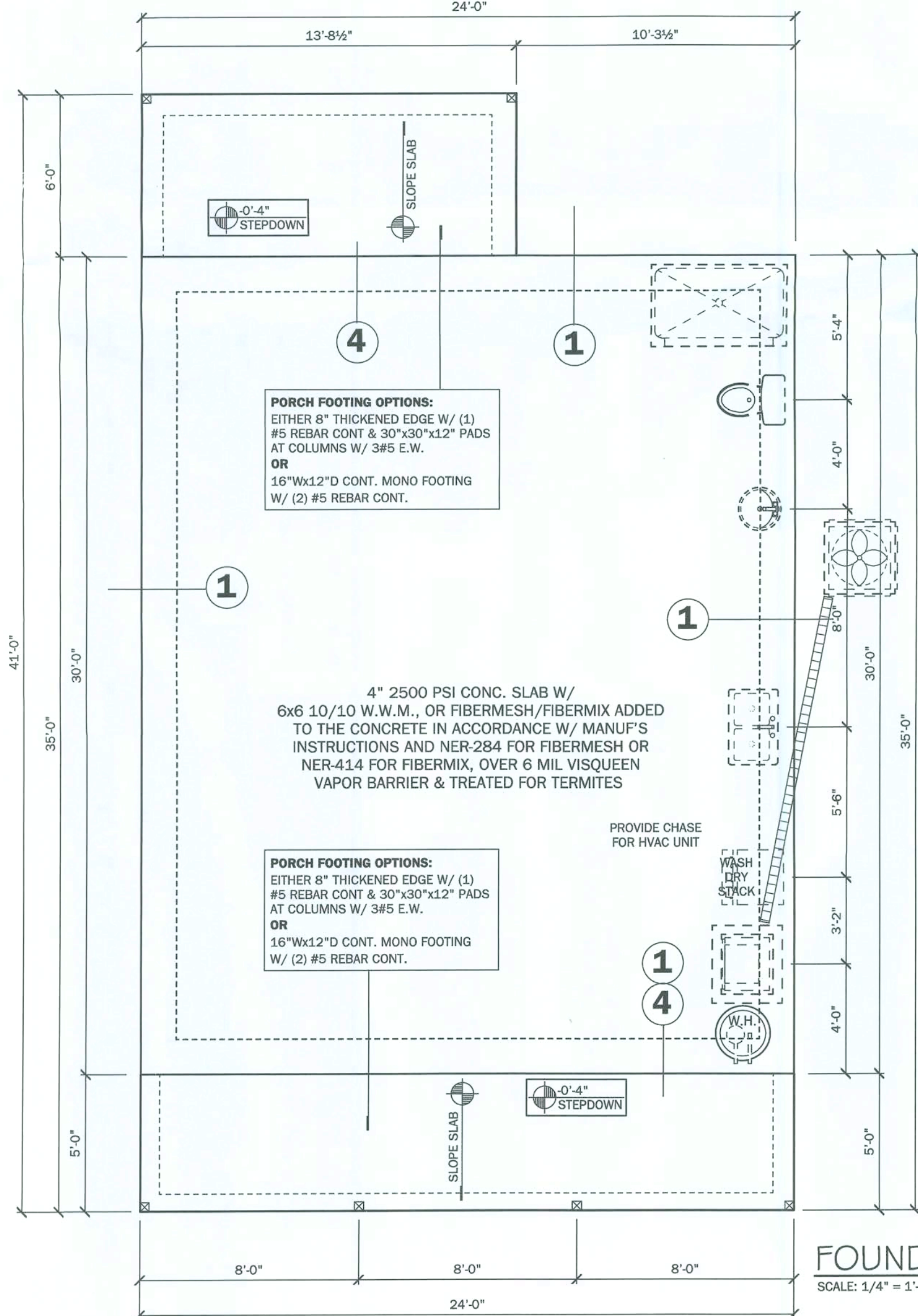
4 PORCH STEP DOWN SCALE: 1/2" = 1'-0"



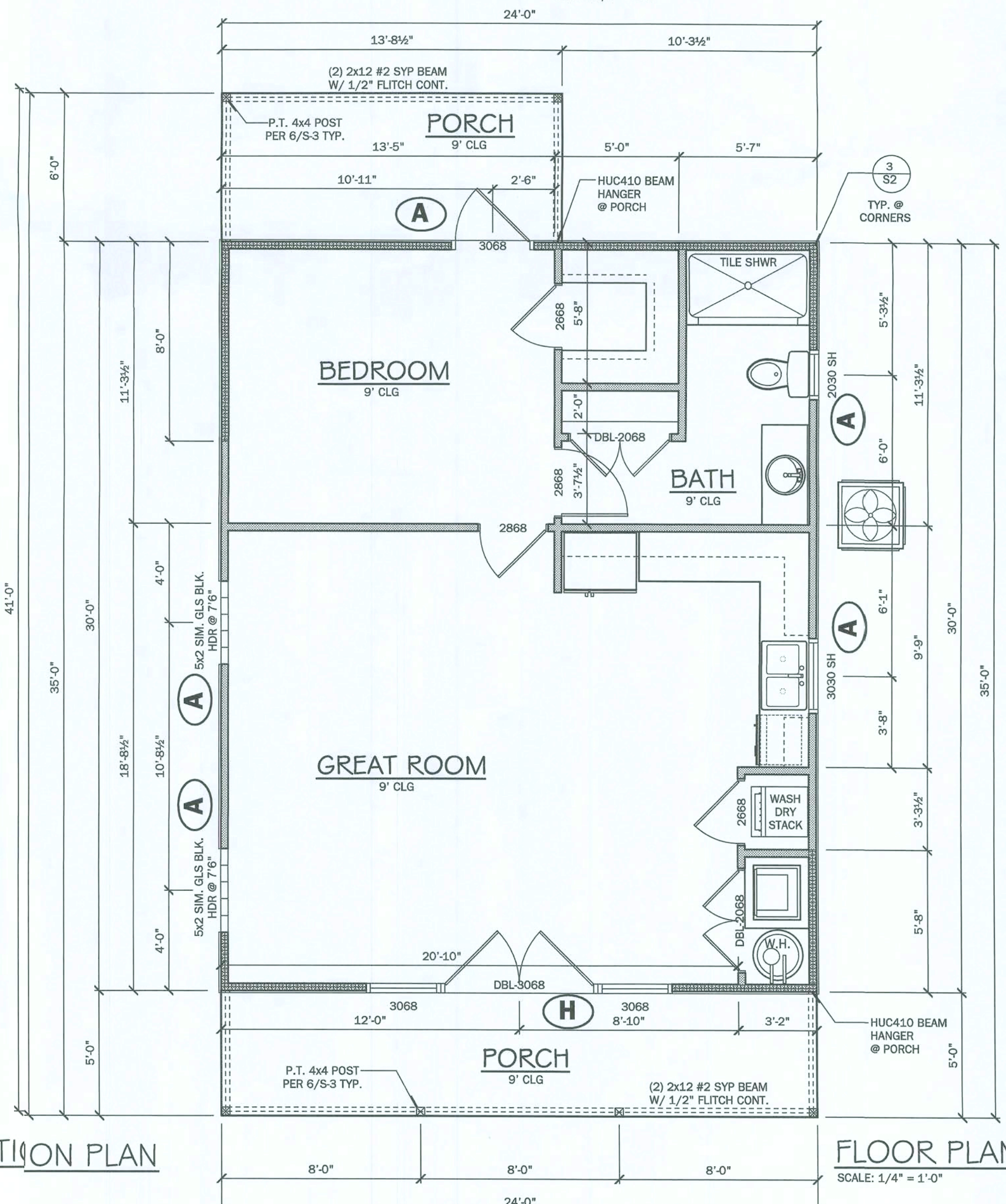
SEWER PENETRATION DET. BEARING SCALE: 1/2" = 1'-0"



SECTION A-A



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



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

## WINDSTORM OSB WALL SHEATHING NAILING PATTERN:

### NON-SHEARWALL:

TOP PLATE: 8d@6" O.C.  
LONG EDGE: 8d@6" O.C.  
FIELD: 8d@12" O.C.  
BOTTOM PLATE: 8d@6" O.C.

### SHEARWALL:

TOP PLATE: 8d@3" O.C.  
LONG EDGE: 8d@6" O.C.  
FIELD: 8d@12" O.C.  
BOTTOM PLATE: 8d@3" O.C.

## AREA CALCULATIONS

TOTAL LIVING	720 S.F.
FRONT PORCH	120 S.F.
REAR PORCH	82 S.F.
TOTAL AREA UNDER ROOF	922 S.F.

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RANDOLPH WIGGINS, P.E.

3260 Pittman Ave.  
Bella, FL 32819  
STRUCTURAL DESIGN IN ACCORDANCE WITH THE 2004  
FLORIDA RESIDENTIAL BUILDING CODE  
SIGNATURE OF THE STRUCTURAL DESIGNER  
DATE: March 05, 2008

Construction  
Residential Homes  
Commercial  
Development

PO BOX 1094  
Trenton, Florida 32693  
(352) 463-8857  
(352) 472-6655  
(352) 213-4465 Cell  
(352) 472-6656 Fax  
CIRC 123691 CIRC 123686

PROJECT:  
Debra and Braulio Peruyero  
13534 S W Tustenuggee Ave.  
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SHEET NO.

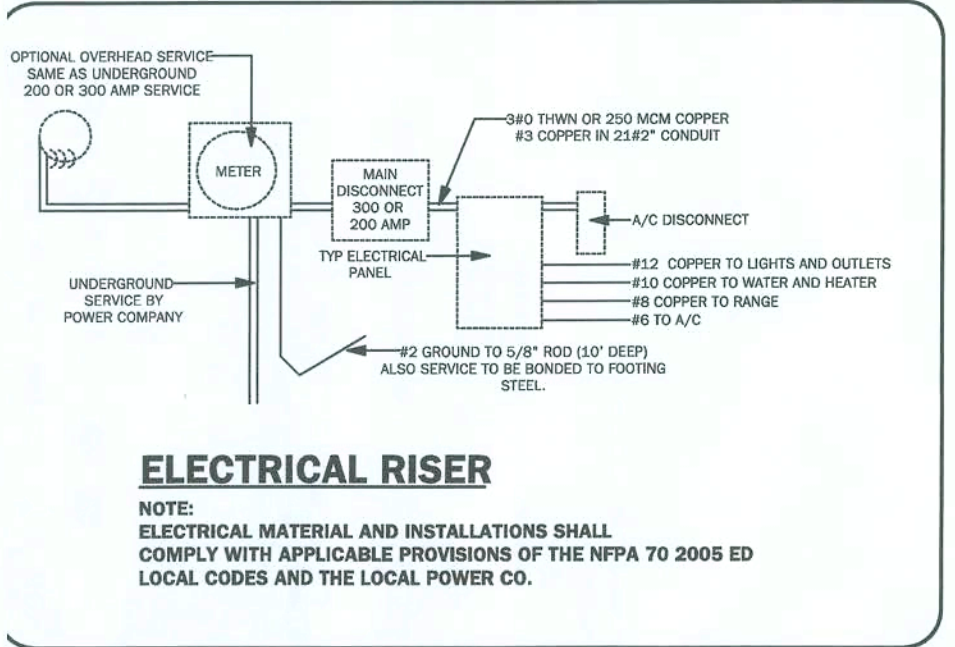
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OF  
5

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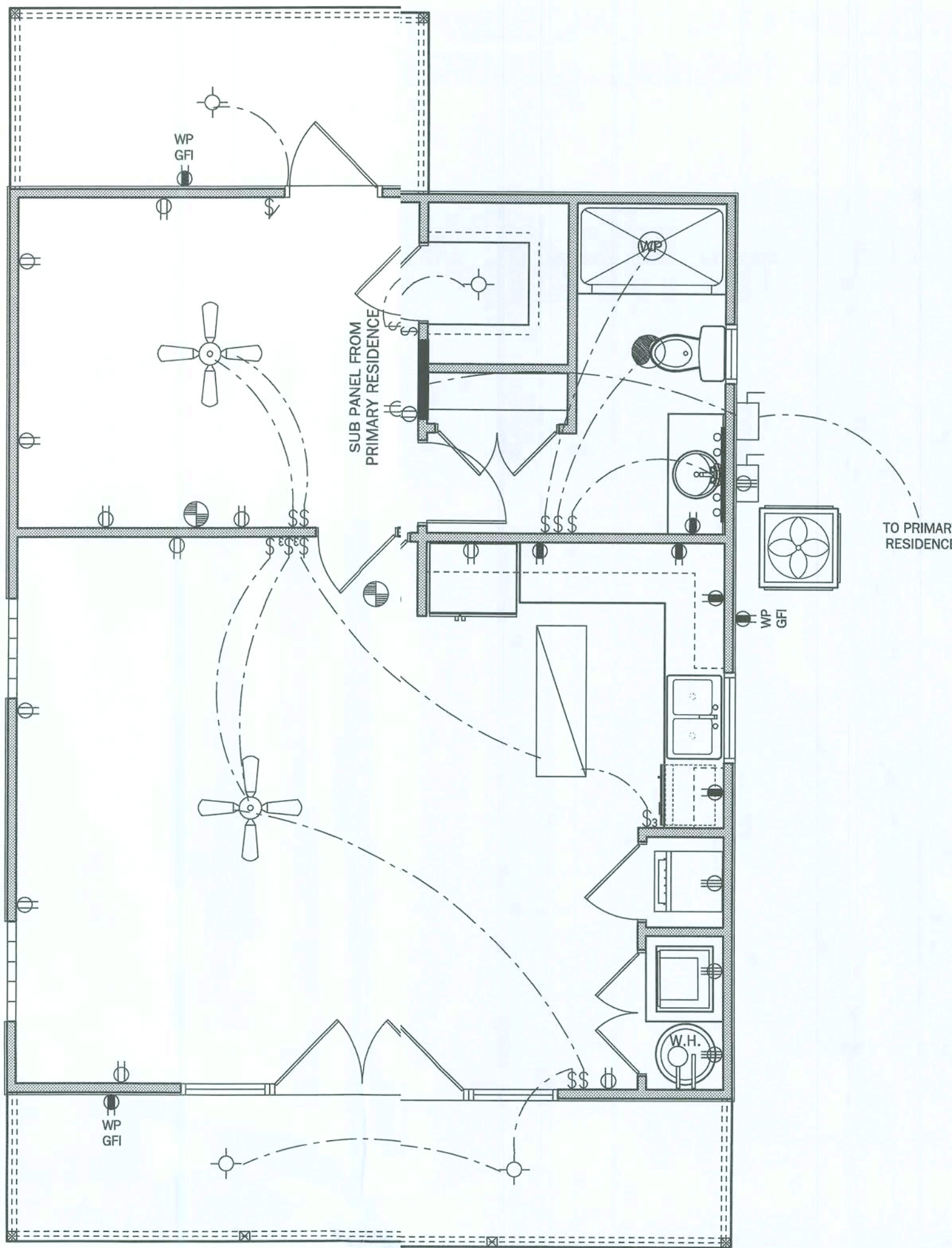
- NOTES:**  
UNLESS OTHERWISE NOTED
- ELECTRICAL OUTLET HEIGHTS AS MEASURED FROM FINISHED FLOOR TO CENTERED LINE OF THE BOX TO BE: 12" AFF (GENERAL)
  - ALL TRIM PLATES & DEVICES TO BE GANGED, WHERE POSSIBLE.
  - ELECTRICAL SWITCHES TO BE AT 42" CENTERLINE ABOVE FINISHED FLOOR.
  - ELECTRICAL PLAN IS INTENDED FOR BID PURPOSES ONLY. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRIC CODE, LATEST EDITION, BY A LICENSED ELECTRICAL CONTRACTOR WHO SHALL BE RESPONSIBLE FOR THE INSTALLATION & SIZING OF ALL ELECTRICAL, WIRING & ACCESSORIES.
  - SMOKE DETECTORS SHALL BE IN ACCORDANCE WITH FLORIDA BUILDING CODE, SECTION 907.
  - PROVIDE AFCIs (ARC FAULT INTERRUPTERS) IN ALL DWELLING UNIT BEDROOMS PER NFPA 70A-2.
  - KEEP ALL SMOKE DETECTORS MINIMUM OF 36" FROM BATHROOM DOORS.
  - IN NEW CONSTRUCTION, SMOKE DETECTORS SHALL BE HARDWIRED INTO AN A/C ELECTRICAL POWER SOURCE AND SHALL BE EQUIPPED WITH A MONITORED BATTERY BACKUP.
  - BATHROOM EXHAUST FANS MUST VENT TO THE EXTERIOR OF THE BUILDING, ATTIC SPACE AND SOFFITS ARE NOT ACCEPTABLE.
  - ALL DOORS AND WINDOWS PROVIDING DIRECT ACCESS FROM THE HOME TO THE POOL SHALL BE EQUIPPED WITH AN EXIT ALARM COMPLYING WITH UL 2017 THAT HAS A MINIMUM SOUND PRESSURE RATING OF 85 dBA AT 10 FEET, AND EITHER HARDWIRED OR OF THE PLUG-IN TYPE. THE EXIT ALARM SHALL PRODUCE A CONTINUOUS AUDIBLE WARNING WHEN THE DOOR OR WINDOW ARE OPENED.
  - STOVE AND DRYER TO HAVE NEUTRAL.
  - PROVIDE CARBON MONOXIDE DETECTOR FOR GAS FIREPLACE.

ELECTRICAL LEGEND	
\$	SINGLE POLE SWITCH
\$2	DOUBLE POLE SWITCH
\$3	THREE-WAY SWITCH
\$4	FOUR-WAY SWITCH
\$DM	DIMMER SWITCH
CF	CEILING FIXTURE
SC (WALL MOUNTED) F	SCOUNCE (WALL MOUNTED) FIXTURE
110V	110 VOLT DUPLEX OUTLET
110V S	110 VOLT SPLIT SWITCHED OUTLET
WP	GROUND FAULT INTERRUPT
WP	WATER PROOF W/ GROUND FAULT
220V	220 VOLT OUTLET
SS	SPECIAL SERVICES OUTLET
TV	T.V. CABLE OUTLET
TEL	TELEPHONE CABLE OUTLET
RL	RECESSED LIGHTING
WP	WATER PROOF RECESSED LIGHTING
BATH FAN	BATH FAN
BATH FAN W/ LIGHT	BATH FAN W/ LIGHT
SD	SMOKE DETECTOR
FL	FLOOD LIGHT
FLUO	FLUORESCENT LIGHTING
TRK	TRACK LIGHTING
CF	CEILING FAN
CH	CHIMES
DISP	DISPOSAL
DISC	DISCONNECT SWITCH
SP	PREWIRE SPEAKER
JB	JUNCTION BOX
T	THERMOSTAT
LV	LOW VOLTAGE LIGHTING
ICS	INTERCOM SYSTEM
GD	GARAGE DOOR
PB	PUSH BUTTON

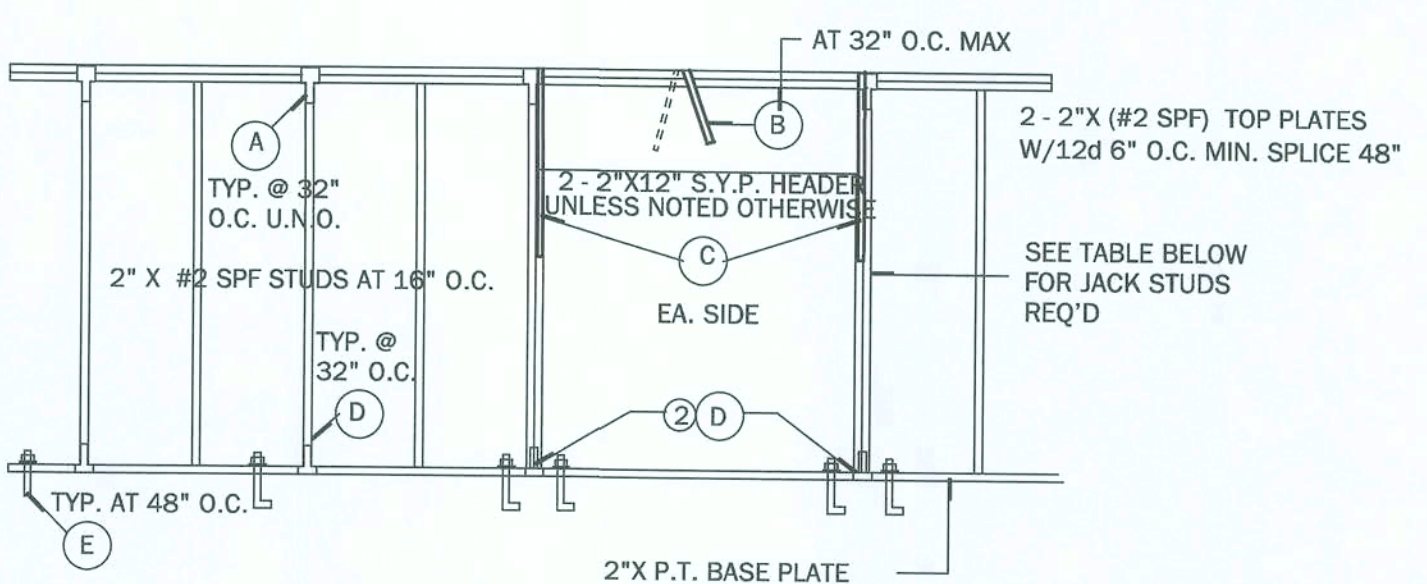


**ELECTRICAL RISER**  
NOTE: ELECTRICAL MATERIAL AND INSTALLATIONS SHALL COMPLY WITH APPLICABLE PROVISIONS OF THE NFPA 70 2005 ED LOCAL CODES AND THE LOCAL POWER CO.

- NOTES:**  
1. VERIFY LOCATION AND QUANTITY OF PHONE, TV AND DATA OUTLETS WITH BUILDER  
2. VERIFY LOCATION AND QUANTITY OF FLOOD LIGHTS AND SWITCHES WITH BUILDER  
3. THIS BUILDING MUST BE FED FROM PRIMARY RESIDENCE



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

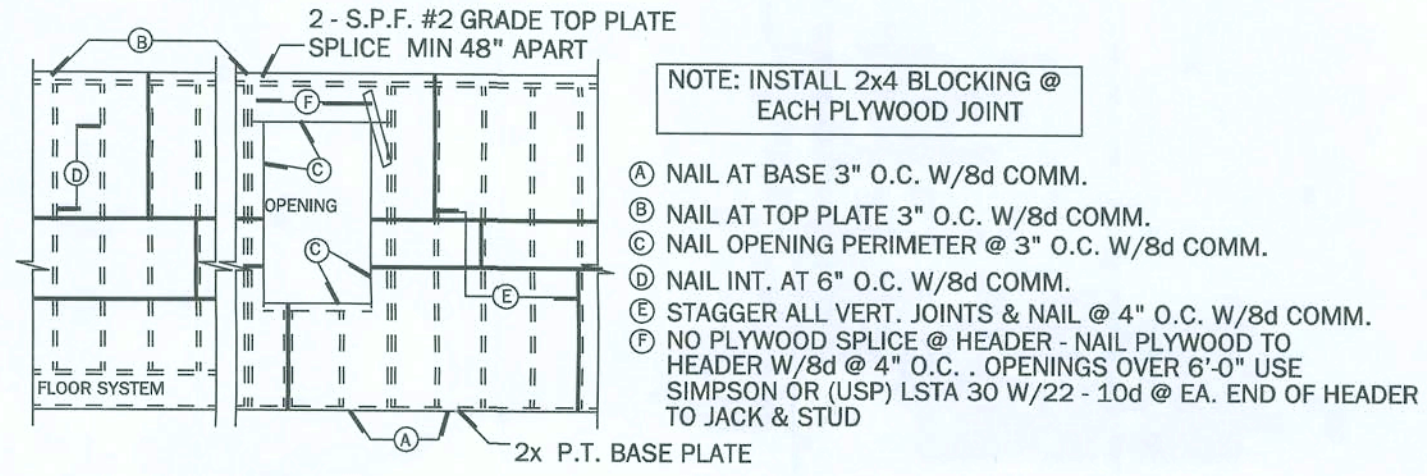


**1 TYPICAL BEARING WALL (ALT TO TIEMAX)**  
S-2 UPLIFT CAPACITY PER 24" = 570# (WITH ROOF LOAD APPLIED) N.T.S.

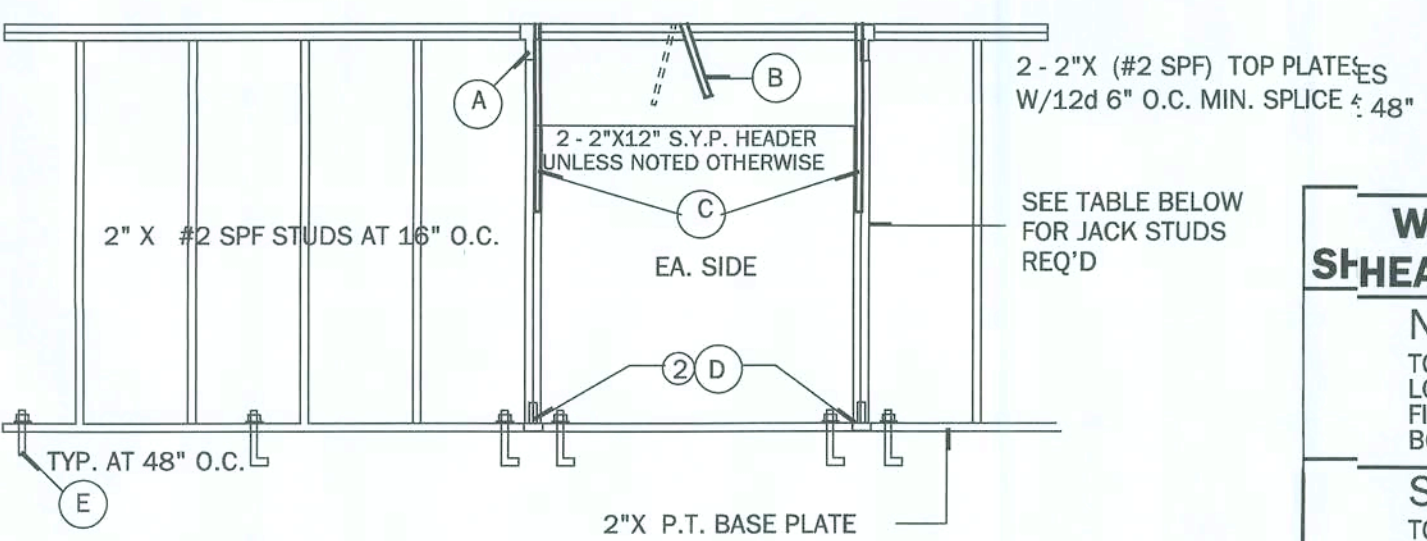
CONNECTOR LEGEND	
(A)	SIMPSON SPH4 W/ 12-10d x 1/2
(B)	SIMPSON SPH6 W/ 12-10d x 1/2
(C)	SIMPSON MTS24 W/ (18) 10d NAILS
(D)	SIMPSON MTS24 W/ (18) 10d NAILS
(E)	SIMPSON SPH4 W/ 12-10d x 1 1/2" SIMPSON SPH6 W/ 12-10d x 1 1/2"
(F)	1/2"x10" J-BOLT W/ 2" WASHER @ 48" O.C. PLUS (2) WITHIN 6" EACH SIDE OF JACK STUDS @ HEADER

WINDOW & DOOR JACK TABLE	
PROVIDE JACKS @ EACH END AS FOLLOWS	
(2)	WHEN OPN'GS ARE GREATER THEN 4'-0"
(3)	WHEN OPN'GS ARE GREATER THEN 6'-0"
(4)	WHEN OPN'GS ARE GREATER THEN 8'-0" BUT LESS THAN 10'-0"

**NOTE:**  
FOR EXTERIOR SEE 2/S2 FOR SHEATHING TYPE AND NAILING SCHEDULE



**2 TYPICAL WALL SHEATHING INSTALLATION & NAILING SCHEDULE**  
S-2 N.T.S.



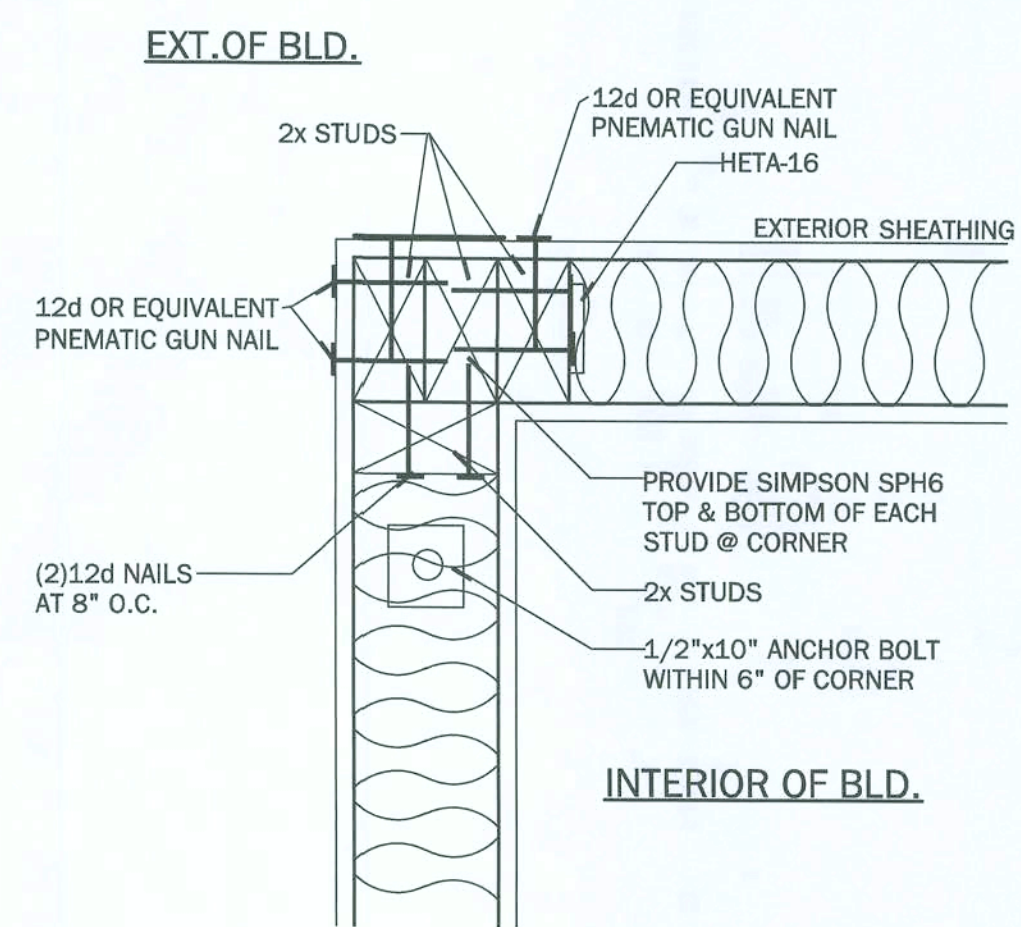
**1 TYPICAL BEARING WALL**  
S-2 WINDSTORM OSB (WITH ROOF LOAD APPLIED) N.T.S.

CONNECTOR LEGEND	
(A)	SIMPSON SPH4 W/ 12-10d x 1/2
(B)	SIMPSON SPH6 W/ 12-10d x 1 1/2"
(C)	SIMPSON MTS24 W/ (18) 10d NAILS
(D)	SIMPSON MTS24 W/ (18) 10d NAILS
(E)	SIMPSON SPH4 W/ 12-10d x 1 1/2" SIMPSON SPH6 W/ 12-10d x 1 1/2"
(F)	1/2"x10" J-BOLT W/ 2" WASHER @ 48" O.C. PLUS (2) WITHIN 6" EACH SIDE OF JACK STUDS @ HEADER

WINDOW & DOOR JACK TABLE	
PROVIDE JACKS @ EACH END AS FOLLOWS	
(2)	WHEN OPN'GS ARE GREATER THEN 4'-0"
(3)	WHEN OPN'GS ARE GREATER THEN 6'-0"
(4)	WHEN OPN'GS ARE GREATER THEN 8'-0" BUT LESS THAN 10'-0"

**NOTE:**  
FOR EXTERIOR SEE 2/S2 FOR SHEATHING TYPE AND NAILING SCHEDULE

WINDSTORM OSB WALL SHEATHING NAILING PATTERN:	
<b>NON-SHEARWALL:</b>	
TOP PLATE:	8d@6" O.C.
LONG EDGE:	8d@6" O.C.
FIELD:	8d@12" O.C.
BOTTOM PLATE:	8d@6" O.C.
<b>SHEARWALL:</b>	
TOP PLATE:	8d@3" O.C.
LONG EDGE:	8d@6" O.C.
FIELD:	8d@12" O.C.
BOTTOM PLATE:	8d@3" O.C.



**3 EXTERIOR FRAME CORNER**  
S-2 SCALE: 1" = 1'-0"

## WINDSTORM OSB WALL SHEATHING DETAIL

LAST PLOT DATE: March 06, 2008 11:42 AM  
IF THIS IS PRINTED ON 11" MEDIA THEN REDUCE SCALE BY 50 %

PROJECT:  
Debra and Braulio Peruyero  
13534 S W Tustenuggee Ave.  
Fort White, FL 32038

SHEET NO.  
**S-2**  
OF  
**5**

TYPICAL FRAMING DETAILS

**Tri-County Home Designs**  
P.O. Box 285  
Trenton, FL 32693  
352-463-8857 Office  
352-274-3006 Mobile  
tchdesigns@gmail.com  
Certificate of Authorization #27295

**RANDOLPH WIGGINS, P.E.**  
3260 Patton Ave.  
Bldg. FL 32619  
STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2004 FLORIDA RESIDENTIAL BUILDING CODE.  
SIGNATURE/SEAL ON ANY SHEET IS VALID ONLY FOR THIS PROJECT.  
DATE: March 06, 2008

Construction  
Residential Homes  
Commercial  
Dream Builders  
Development  
PO BOX 1594  
Fort White, FL 32038  
(352) 463-2110  
(352) 472-6655  
(352) 472-6656  
CNC 123691, CRC 133846





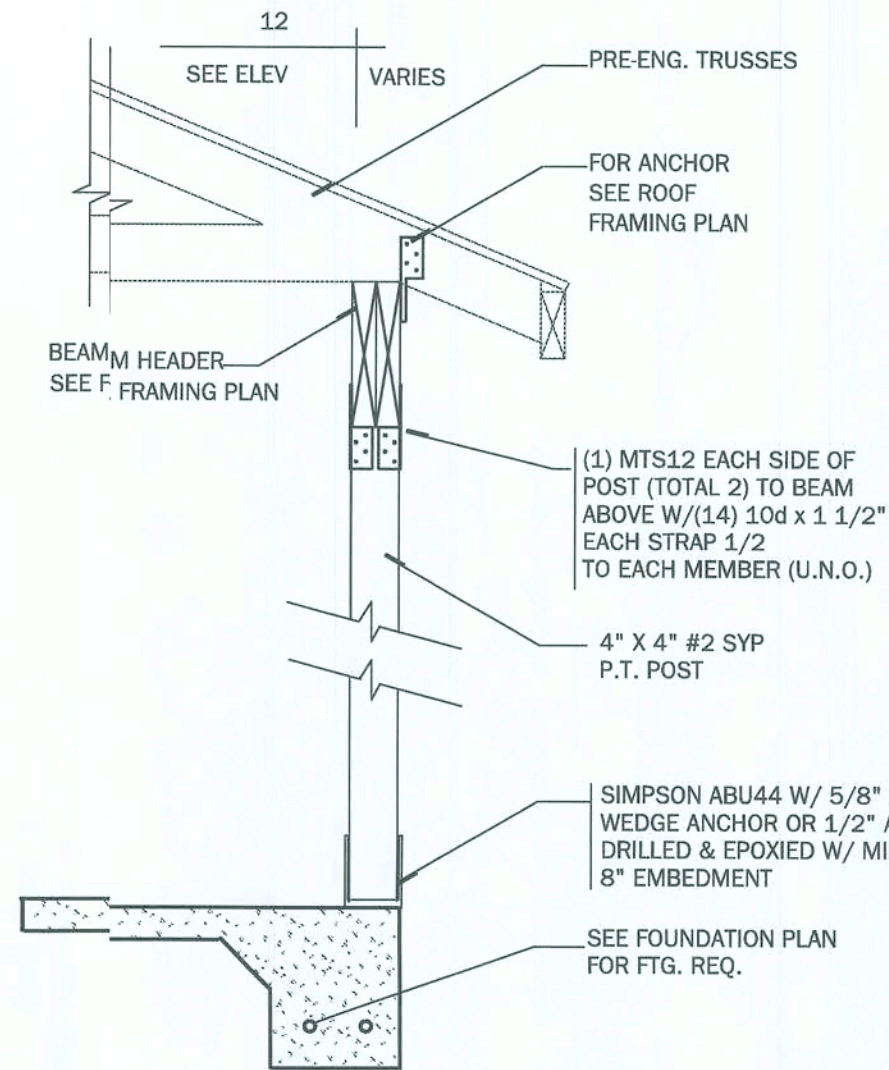
1  
S4

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

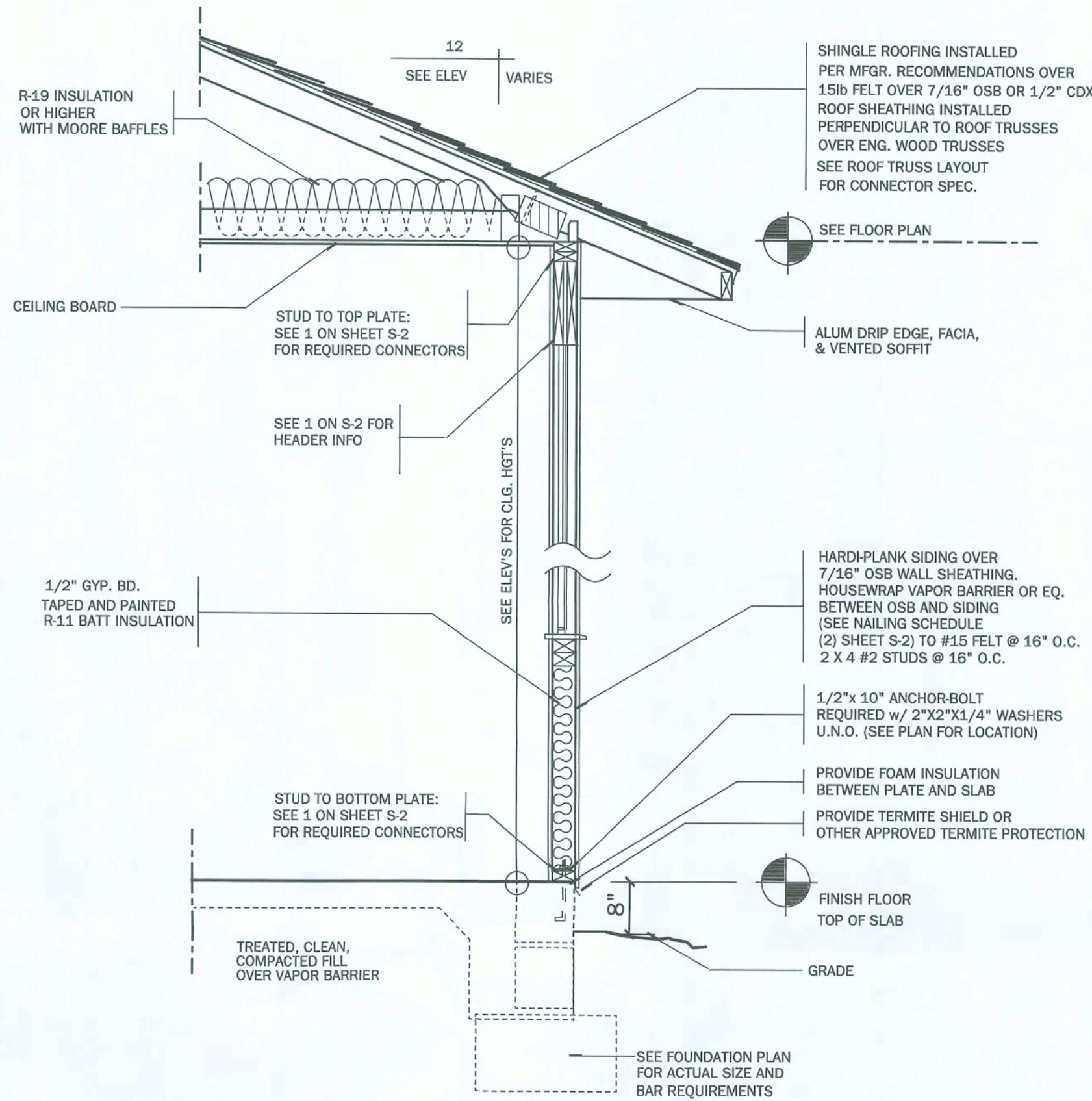
MARK	HOLD DOWN ANALYSIS	UPLIFT
	<b>UNLESS NOTED OTHERWISE:</b> 1.) ALL HARDWARE TO BE SIMPSON 2.) WOOD CONNECTIONS = H2.5 W/ 10-8d NAILS H1 W/ 10-8d NAILS H10 W/ 16-8d NAILS OR MTS12 W/ 14-10dX1 1/2" NAILS	365# 400# 850#
A	2 - MTS12 W/ 14 10dX1 1/2" NAILS	1720 #U
B	2 - HTS20 W/ 20 - 10d	2900 #U
C	HCP2 W/ 12-10d X 1 1/2" NAILS	520 #U
D	LGT2 W/30-16d SINKERS	1785 #U

**NOTE:**  
UPLIFT VALUES FROM SIGNED AND SEALED TRUSS ENGINEERING SUBMITTAL SHALL BE USED TO SELECT HURRICANE TIES FOR THE TRUSS TO WALL CONNECTION FROM THE ABOVE TABLE

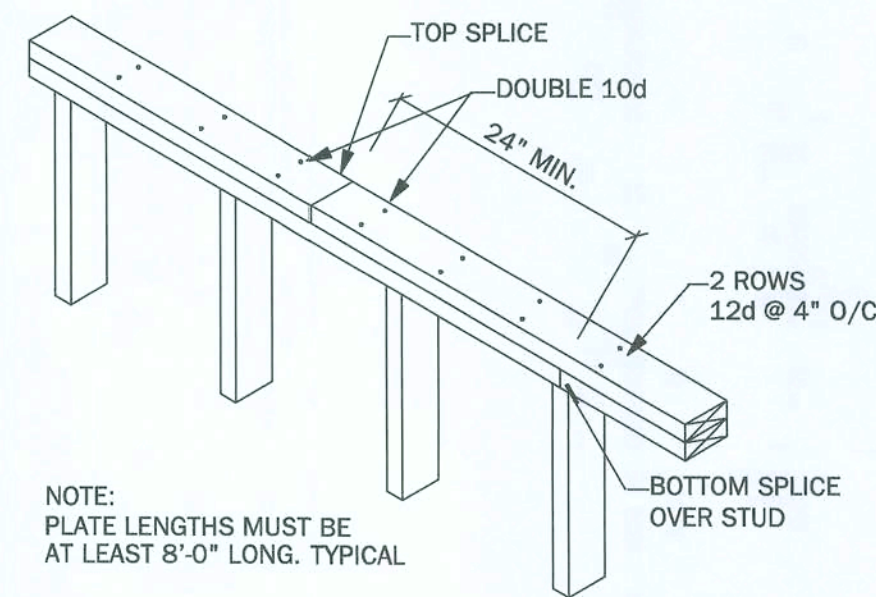
**NOTE:**  
ALL TRUSS TO FRAME CONNECTORS TO BE SIMPSON H10 TYP. U.N.O.



6  
S-3  
**4' X 4' POST & BEAM DETAIL**  
SCALE: 1/2" = 1'-0"



1  
S-3  
**TYPICAL WALL SECTION**  
SINGLE STORY FRAME  
SCALE: N.T.S.



**NOTE:**  
PLATE LENGTHS MUST BE AT LEAST 8'-0" LONG. TYPICAL

16  
S-3  
**TOP PLATE SPLICE DETAIL**  
N.T.S.

March 06, 2008  
LAST PLOT DATE: 11:42 AM  
IF THIS IS PRINTED ON 11 X17 MEDIA THEN REDUCE SCALE BY 50 %

PROJECT:

Debra and Braulio Peruyero  
13534 S W Tustenuggee Ave.  
Fort White, FL 32038

SHEET NO.

S-3  
OF  
5

RANDOLPH WIGGINS, P.E.

3260 Patton Ave  
Bldg. FL 32619  
Trenton, FL 32693

STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2004

SIGNATURE/SEAL ON ANY SHEET IS VALID ONLY

FOR THE STRUCTURAL DESIGN

RANDOLPH WIGGINS, P.E.

DATE: March 06, 2008

Construction  
Residential Homes  
Commercial  
Manufacturing

P.O. BOX 1994  
Trenton, Florida 32693  
(352) 463-8857  
(352) 213-4488 Cell  
(352) 417-6650 Fax

FLORIDA PROFESSIONAL ENGINEER  
No. 123456

CSC 123456 CSC 123456

Dream  
Builders  
Development

CSC 123456 CSC 123456

Iri-County Home Designs

P.O. Box 285  
Trenton, FL 32693

352-463-8857 Office

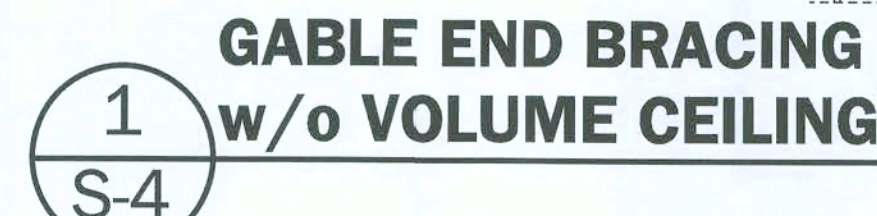
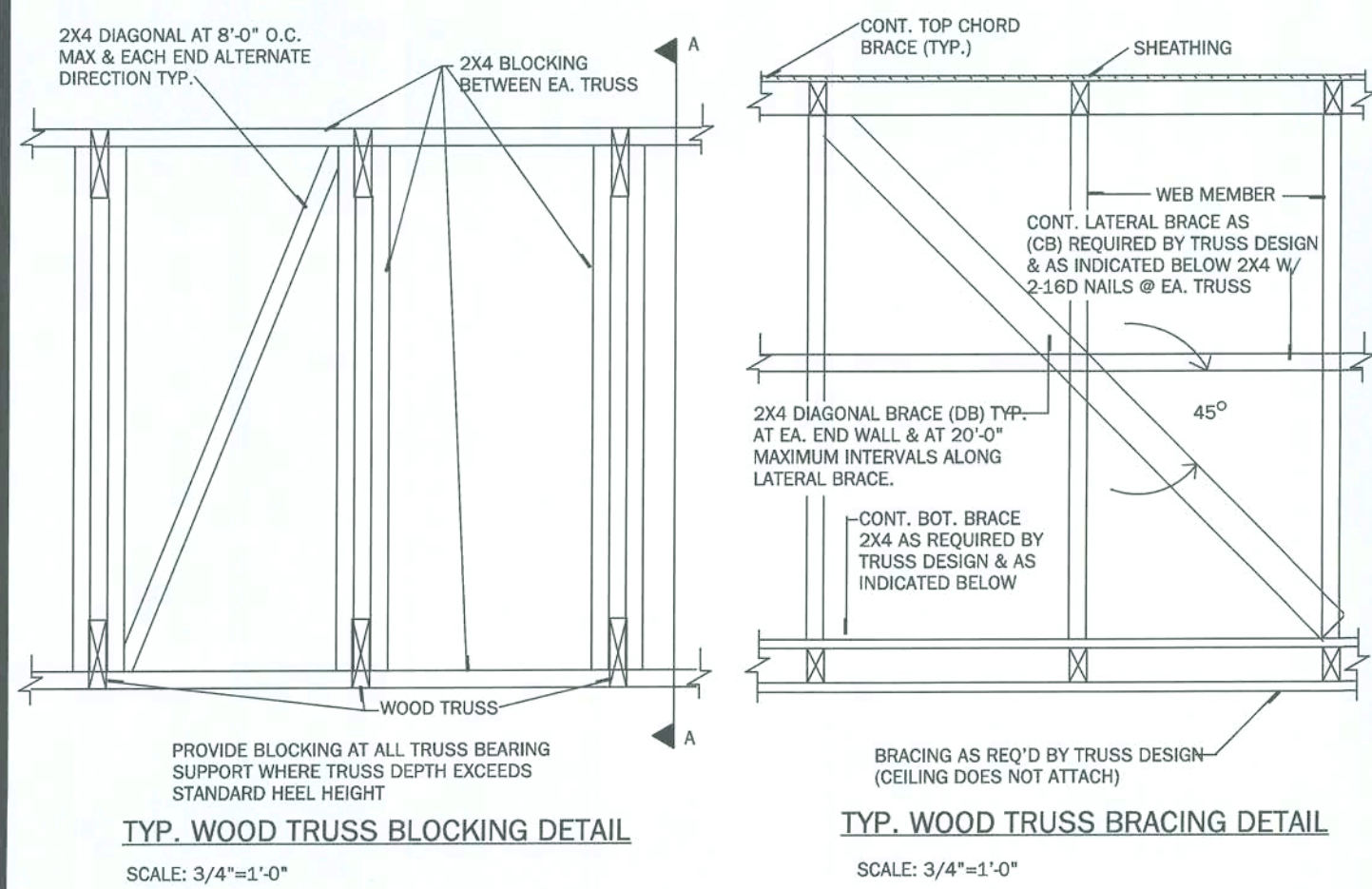
352-274-3006 Mobile

tchdesigns@gmail.com

1 CAD PLAN ENTRY  
1 PLAN REVISIONS  
1 CUSTOM DESIGNS

Certificate of Authorization #27295





LAST PILOT DATE: March 06, 2008

PROJECT:

SHEET NO.

**S-4**  
OF  
**5**

## ROOF DETAILS

PROJECT: Debra and Braulio Peruyero  
13534 S W Tustenuggee Ave.  
Fort White, FL 32038

**Dream Builders Development**  
Construction  
Residential Homes  
Commercial  
PO. BOX 1994  
Trenton, Florida 32693  
(352) 463-2210  
(352) 472-6655  
(352) 213-4448 Cell  
(352) 472-6656 Fax


RANDOLPH WIGGINS, P.E.

3260 Patton Ave  
Beil, FL 32619

**RANDOLPH WIGGINS, P.E. FL # 15721**

# Tri-County Home Designs

**P.O. Box 285**  
Trenton, FL 32693  
352-463-8857 Office  
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 CAD PLAN ENTRY  
PLAN REVISIONS  
CUSTOM DESIGNS

esglis@gmail.com  
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