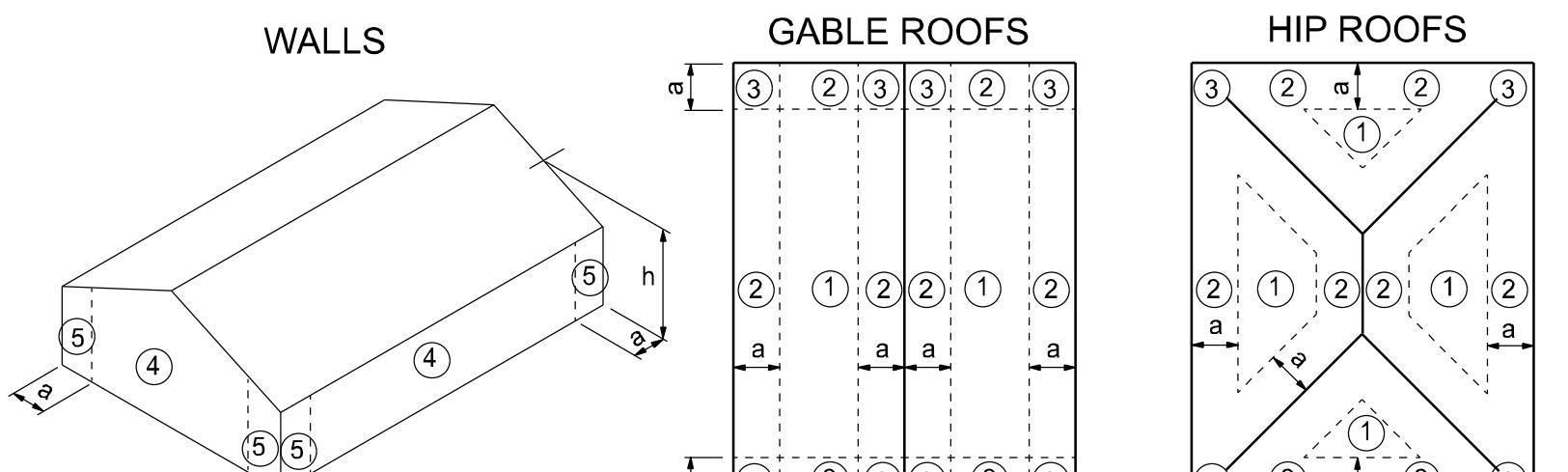


ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609, FLORIDA BUILDING CODE 7TH EDITION (2020)		
FLOOR AND ROOF LIVE LOADS		
UNINHABITABLE ATTICS:	20 PSF	
HABITABLE ATTICS, BEDROOM:	30 PSF	
ALL OTHER ROOMS:	40 PSF	
GARAGE:	40 PSF	
ROOFS:	20 PSF UNIFORM	
WIND DESIGN DATA		
ULTIMATE WIND SPEED:	125 MPH	
NOMINAL (BASIC) WIND SPEED:	97 MPH	
RISK CATEGORY:	II	
WIND EXPOSURE:	B	
ENCLOSURE CLASSIFICATION:	ENCLOSED	
INTERNAL PRESSURE COEFFICIENT:	0.18 +/-	
COMPONENTS AND CLADDING		
ROOFING ZONE 1:	16.0 PSF MAX.	-17.0 PSF MIN.
ROOFING ZONE 2:	16.0 PSF MAX.	-19.8 PSF MIN.
ROOFING ZONE 3:	16.0 PSF MAX.	-19.8 PSF MIN.
ROOFING AT ZONE 2 OVERHANGS:	-28.8 PSF MIN.	
ROOFING AT ZONE 3 OVERHANGS:	-28.8 PSF MIN.	
STUCCO, CLADDING, DOORS AND WINDOWS		
ROOFING ZONE 4:	17.0 PSF MAX.	-18.4 PSF MIN.
ROOFING ZONE 5:	17.0 PSF MAX.	-22.7 PSF MIN.
9' WIDE O/H DR.:	16.0 PSF MAX.	-16.9 PSF MIN.
16' WIDE O/H DR.:	16.0 PSF MAX.	-16.0 PSF MIN.



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

#### COMPONENTS AND CLADDING

### STRUCTURAL DESIGN CRITERIA

**CODES:**  
FLORIDA BUILDING CODE 7TH EDITION (2020)  
BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE  
SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS  
BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES  
NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, 2018 EDITION  
APA PLYWOOD DESIGN SPECIFICATION

**LIVE LOADS:**  
ROOF 20 PSF (REDUCIBLE)  
RESIDENTIAL FLOOR, UNLESS OTHERWISE INDICATED 40 PSF  
BALCONIES 40 PSF  
STAIRS 40 PSF  
LIGHT PARTITIONS (DEAD LOAD), U.N.O. 20 PSF

**WIND LOADS: (F.B.C.)**  
WIND LOADS BASED ON FBC, SECTION 1609  
WIND VELOCITY: 125 M.P.H., USE FACTOR: 1.0

**CONCRETE STRENGTH @ 28 DAYS**  
ALL CONCRETE UNLESS OTHERWISE INDICATED 2500 PSI  
PEA GRAVEL CONCRETE FOR MASONRY CELLS ONLY 3000 PSI  
(DO NOT USE FOR CONCRETE COLUMNS OR TIE BEAMS)

**REINFORCING:**  
WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185  
ALL REINFORCING BARS ASTM A615-40 40,000 PSI  
ALL STIRRUPS AND TIES ASTM A615-40 40,000 PSI

**CONCRETE MASONRY UNITS:**  
ASTM C90-9b, 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  
VERSALAM BEAM Fb = 2900 PSI (2.0E)  
WOOD COLS. PARALLAM 2.0 E.U.O.

**WOOD ROOF TRUSSES:**  
DESIGN LOADS:  
TOP CHORD LIVE AND DEAD LOAD: 30 PSF  
BOTTOM CHORD DEAD LOAD: 10 PSF  
TOTAL: 40 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: 1,500 PSF  
SEE SOILS REPORT AND SPECIFICATIONS FOR COMPACTION REQUIREMENTS  
IF SOIL CONDITIONS IN THE PROJECT DO NOT MEET OR EXCEED THE CAPACITY  
THE GENERAL CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO  
FOUNDATION POUR FOR VERIFICATION OF FOUNDATION DESIGN.

#### REVISIONS

DATE	BY	DESCRIPTION

DESIGN BY:

**TRADEMARK**  
Construction Group, Inc.

CERTIFIED GENERAL CONTRACTOR  
CGC1514780

750 SW MAIN BLVD.  
LAKE CITY, FL 32025  
(386)755-5254

**CES**  
Crews Engineering Services, LLC

CERTIFICATE OF AUTHORIZATION  
NO. 28022

349 SW CREWS FARM TERRACE  
LAKE CITY, FL 32025  
PHONE: 386.623.4303

STATE OF  
FLORIDA  
PROFESSIONAL  
ENGINEER  
Brett A. Crews, P.E. 65592  
Digitally signed by Brett A. Crews  
Date: 2022.03.10 11:45:30-05'00'  
Brett A. Crews, P.E. 65592

DRAWN BY:

TM

APPROVED BY:

BC

### GENERAL PLAN NOTES

#### CONSTRUCTION DOCUMENTS

THE CUSTOMER IS RESPONSIBLE FOR DELIVERING THE REQUIRED SETS OF CONSTRUCTION DOCUMENTS TO THE PERMIT ISSUING AUTHORITIES. FOR THE ISSUANCE OF CONSTRUCTION PERMITS, THE CONTRACTOR SHALL REVIEW THE CONSTRUCTION DOCUMENTS AND VERIFY ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT PRIOR TO THE COMMENCEMENT OF ANY WORK OR FABRICATION OF ANY MATERIALS.

#### DO NOT SCALE OFF THESE PLANS

AMPLE DIMENSIONS ARE SHOWN ON THE PLANS TO LOCATE ALL ITEMS. SIMPLE ARITHMETIC MAY BE USED TO DETERMINE THE LOCATIONS OF THOSE ITEMS NOT DIMENSIONED.

#### CHANGES TO FINAL PLAN SETS

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

#### INORGANIC ARSENICAL PRESSURE TREATED WOOD

SOME FRAMING MATERIALS SPECIFIED FOR THE CONSTRUCTION OF YOUR PROJECT SUCH AS SILLS OR EXTERIOR FRAMING ARE PRESSURE TREATED. EACH PIECE CLEARLY MARKED FOR EASY IDENTIFICATION AND IS USUALLY GREENISH IN COLOR.

THIS WOOD HAS BEEN PRESERVED BY PRESSURE-TREATMENT WITH AN EPA-REGISTERED PESTICIDE CONTAINING INORGANIC ARSENIC TO PROTECT IT FROM INSECT ATTACK AND DECAY. EXPOSURE TO TREATED WOOD MAY PRESENT CERTAIN HAZARDS; THEREFORE, PRECAUTIONS SHOULD BE TAKEN BOTH WHEN HANDLING THE TREATED WOOD AND IN DETERMINING WHERE TO USE OR DISPOSE OF THE TREATED WOOD.

FOR FURTHER INFORMATION ON THE USE OF AND DISPOSAL OF INORGANIC ARSENIC PRESSURE TREATED WOOD, PLEASE REFER TO THE EPA MATERIAL SAFETY SHEET DEALING WITH THIS PRODUCT.

#### PREFABRICATED WOOD TRUSSES

1. ALL PREFABRICATED WOOD TRUSSES SHALL BE SECURELY FASTENED TO THEIR SUPPORTING WALLS OR BEAMS WITH HURRICANE CLIPS OR ANCHORS.

2. PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR STRESS-GRADE LUMBER AND ITS FASTENERS" AS RECOMMENDED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.

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 AND PERMANENT BRACING AND/OR BRIDGING AS REQUIRED FOR ERECTION AND FOR THE PERMANENT STRUCTURE. EACH SUBMITTAL SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED STRUCTURAL ENGINEER. SUBMIT 3 COPIES FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

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.

#### FIELD REPAIR NOTES

1. MISSED LINTEL STRAPS FOR MASONRY CONSTRUCTION MAY BE SUBSTITUTED W/ (1) "SIMPSON MTSM16 TWIST STRAP W/ (4) 1/4" X 2 1/4" DIA. TITENS TO THE BOND BEAM BLOCK AND (7) 10d TO THE TRUSS FOR UPLIFTS OF 1000 LBS. OR LESS. USE (2) FOR 2000 LBS. OR LESS. OTHERS MAY BE SUBSTITUTED ON A CASE BY CASE BASIS.

2. MISSED "J" BOLTS FOR WOOD BEARING WALLS MAY BE SUBSTITUTED W/ 1/2" DIA. ANCHOR BOLTS SET IN 3/4" DIA. X 6" DEEP UNEX "PROPOXY" 301 ADHESIVE BINDER FOLLOWING ALL MANUFACTURER'S RECOMMENDATIONS (OR 1/2" X 6" RAW STUD EXPANSION ANCHORS.)

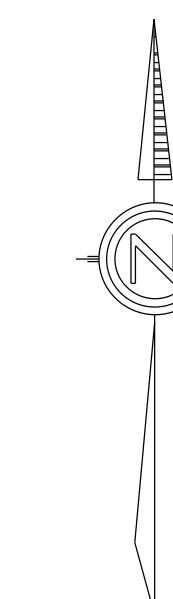
3. REGARDING MISSED REBAR IN VERTICAL FILLED CELLS: DRILL A 3/4" DIAMETER HOLE 6" DEEP AT THE LOCATION OF THE OMITTED REBAR, AND INSTALL A 3/2" LONG #5 BAR INTO THE EPOXY FILLED HOLE. USE A TWO PART EMBEDMENT EPOXY (SIMPSON "EPOXY TIE SET" OR HILTI "T PART" EMBEDMENT EPOXY). MIXED PER MANUFACTURER'S INSTRUCTIONS. ASSURE THAT ALL DUST AND DEBRIS FROM DRILLING ARE REMOVED FROM THE HOLE BY BRUSHING AND AND USING COMPRESSED AIR PRIOR TO APPLYING THE EPOXY. ALLOW THE EPOXY TO CURE TO MANUFACTURER'S SPECIFICATIONS, THEN FILL THE CELL IN THE NORMAL WAY DURING BOND BEAM POUR.

4. HURRICANE STRAPS MAY BE SUBSTITUTED WITH A STRAP OF GREATER HOLDOWN VALUE OR GREATER UPLIFT VALUE IN THE FIELD WITHOUT VERIFICATION, PROVIDED ALL MANUFACTURER'S INSTALLATION INSTRUCTIONS ARE FOLLOWED.

5. FOR MORTER 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.)



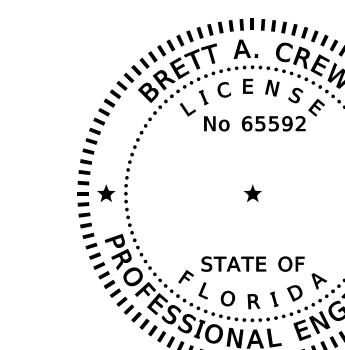
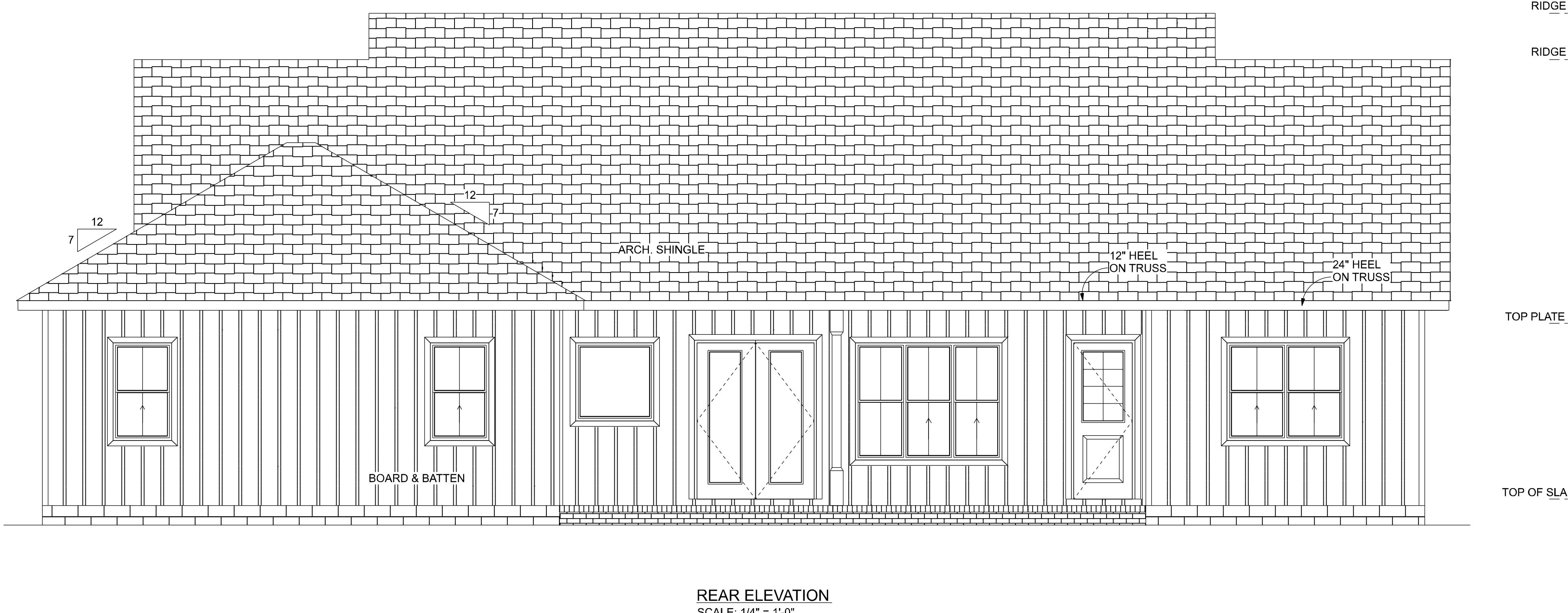
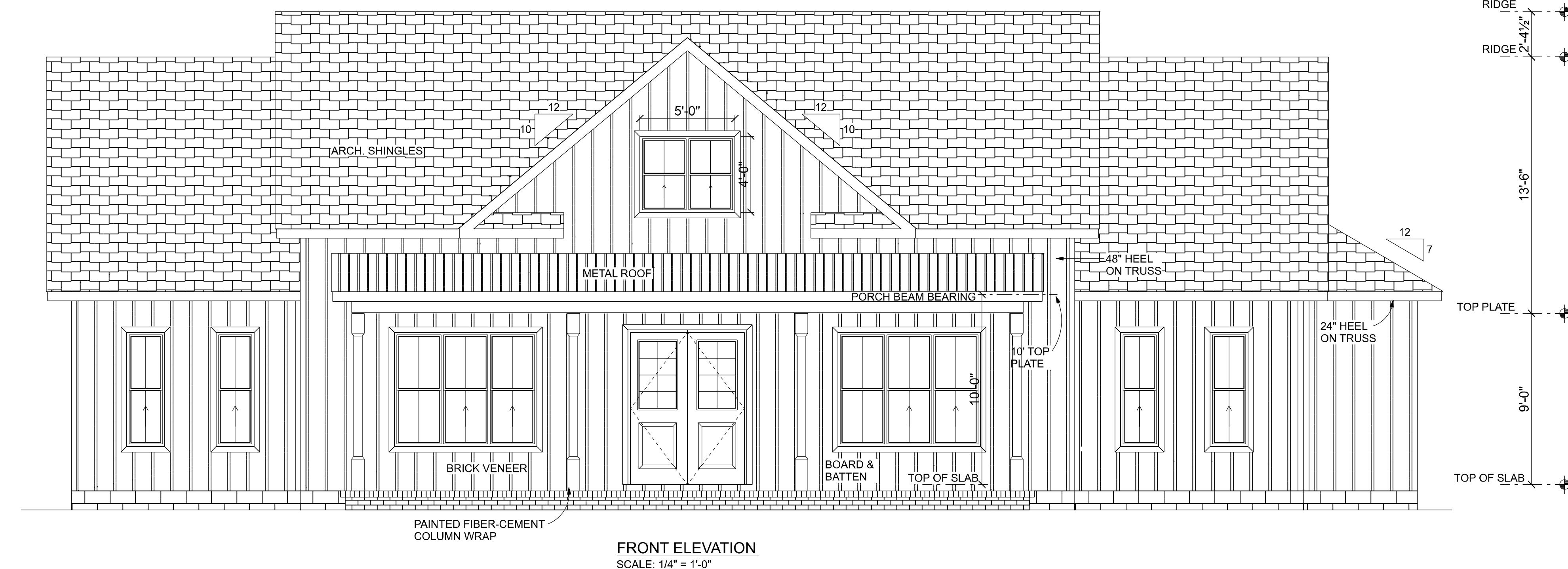
PROJECT LOCATION  
PARCEL 33-4S-17-08944-020



#### ABBREVIATIONS

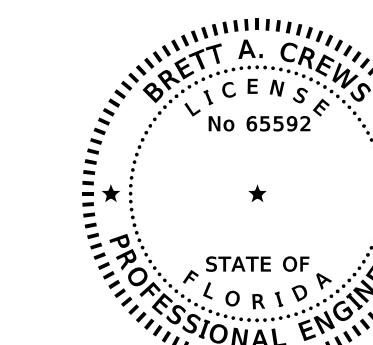
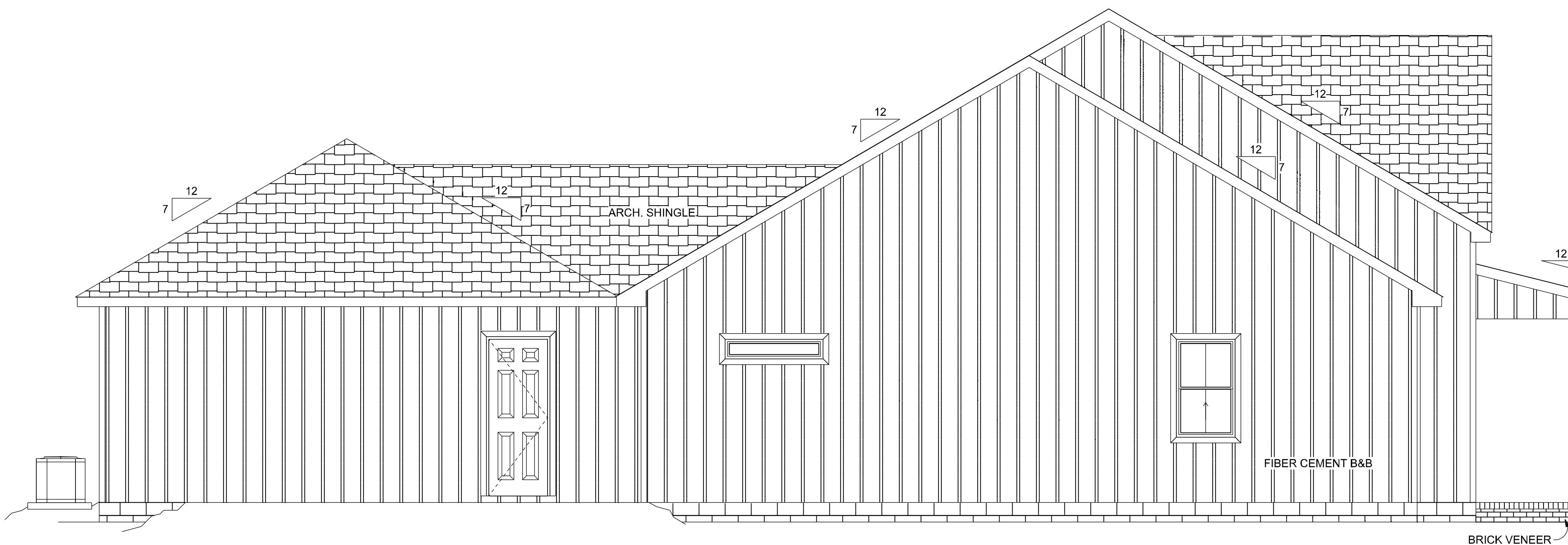
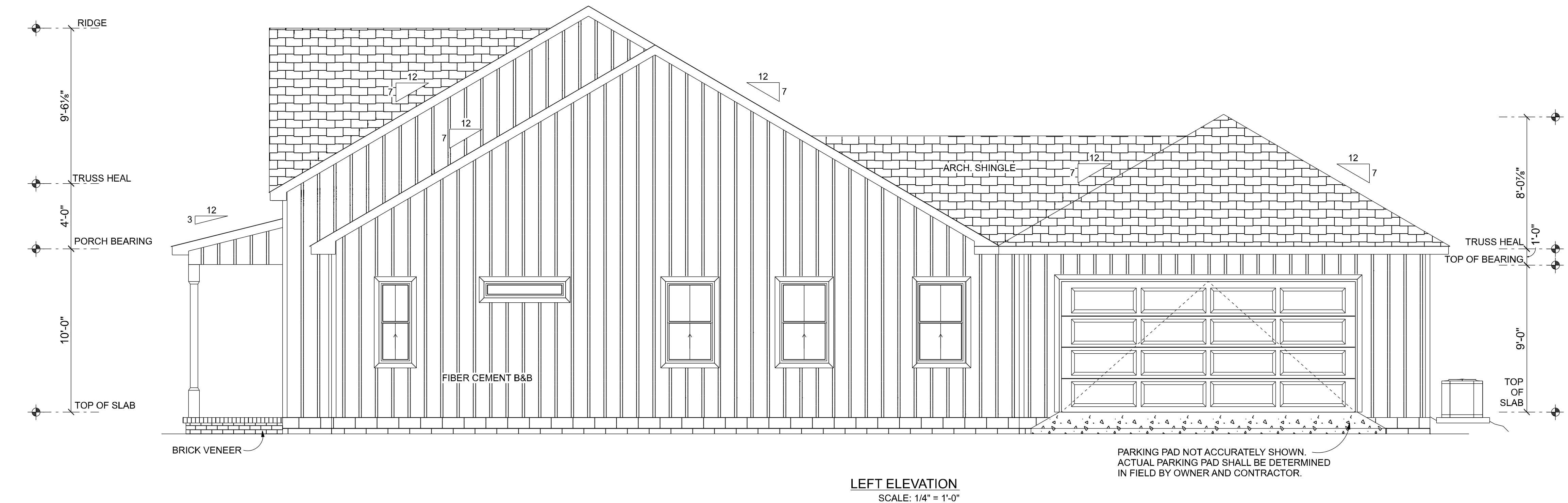
A.B.	Anchor Bolt
Abv.	Above
A/C	Air-Conditioner
Adj.	Adjustable
A.F.F.	Attic or Finished Floor
A.H.U.	Air Handler Unit
ALT.	Alternate
B.C.	Base Cabinet
B.F.	Bifold Door
Bk Sh.	Book Shelf
Bm.	Beam
BOT.	Bottom
B.P.	Bypass door
Brg.	Bearing
Cir.	Circle
Clg.	Ceiling
Col.	Column
Comp.	A/C Compressor
C.T.	Ceramic Tile
D.	Dryer
Dee.	Deative
Ded.	Dedicated
Dbl.	Double
Dia.	Diameter
Disp.	Disposal
Dist.	Distance
D.S.	Drawer Stack
D.V.	Dryer Vent
D.W.	Dishwasher
Ea.	Each
E.W.	Each Way
Elev.	Elevation
Ext.	Exterior
Exp.	Expansion
F.B.C.	Florida Bldg. Code
Fin. Fr.	Finished Floor
F.G.	Fixed Glass
Fir.	Floor
Fdn.	Foundation
Fir. Sys.	Floor System
F.P.I.	Fireplace
Ft.	Foot / Feet
Ftg.	Footing
Fr.	Fr.
Fr. Sh.	Plant Shelf
PSF	Pounds per square foot
P.T.	Pressure Treated
Pwd.	Powder Room
Rad.	Radius
Ref.	Refrigerator
Ref'd.	Refrigerated
Refr.	Refrigerator
Rm.	Room
Rnd.	Round
R/I/S/H	Rod and Shelf
SD.	Smoke Detector
S.F.	Square Ft.
Sh.	Shelves
SHT.	Sheet
S.L.	Side Lights
S.P.F.	Spruce Pine Fir
Sq.	Square
S.Y.P.	Southern Yellow Pine
Temp.	Tempered
Thick'n.	Thicken
T.O.B.	Top of Block
T.O.M.	Top of Masonry
T.O.P.	Top Plate
Transom Window	
Type	Typical
U.C.L.	Under Cabinet Lighting
U.N.O.	Unless Noted Otherwise
V.B.	Vanity Base
Vert.	Vertical
V.L.	Versalam
VTR.	Vent through Roof
W.	Washer
W/	With
W/C	Water Closet
W.A.	Wedge Anchor
Wd.	Wood
W/P	



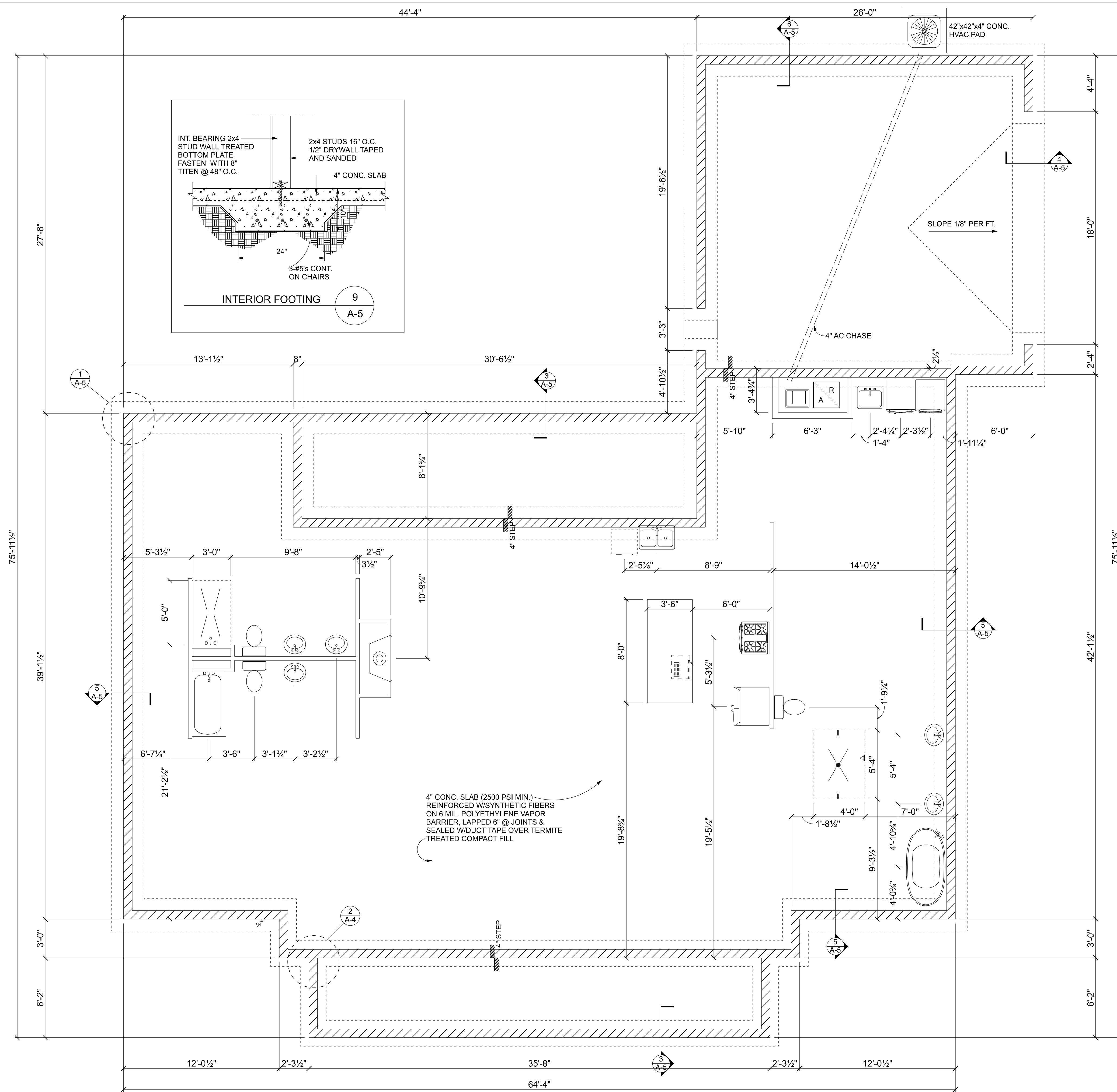


Digitally signed by Brett A. Crews  
Brett A. Crews Date: 2022.03.10  
11:47:02-05'00'  
Brett A. Crews, P.E. 65592

REVISIONS			DESIGN BY:	CERTIFIED GENERAL CONTRACTOR CGC1514780	CERTIFICATE OF AUTHORIZATION NO. 28022	DRAWN BY:	SELLERS RESIDENCE	PROJECT NO.:
DATE	BY	DESCRIPTION	TRADEMARK Construction Group, Inc.	750 SW MAIN BLVD. LAKE CITY, FL. 32025 (386)755-5254	349 SW CREWS FARM TERRACE LAKE CITY, FL 32025 PHONE: 386.623.4303	TM APPROVED BY: BC	ELEVATIONS FRONT AND REAR	R22.001 SHEET: A-3



REVISIONS			DESIGN BY:	CERTIFIED GENERAL CONTRACTOR CGC1514780	CERTIFICATE OF AUTHORIZATION NO. 28022	DRAWN BY:	SELLERS RESIDENCE	PROJECT NO.: R22.001
DATE	BY	DESCRIPTION	<b>TRADEMARK</b> Construction Group, Inc.	750 SW MAIN BLVD. LAKE CITY, FL 32025 (386)755-5254	<b>CES</b> Crews Engineering Services, LLC	349 SW CREWS FARM TERRACE LAKE CITY, FL 32025 PHONE: 386.623.4303	Digitally signed by Brett A. Crews Date: 2022-03-10 11:47:56-05'00'	TM APPROVED BY: Brett A. Crews, P.E. 65592
							<b>ELEVATIONS SIDES</b>	SHEET: A-4



BRETT A. CREWS  
LIC. ENGR. #65592  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

Digitally signed by  
Brett A. Crews  
Date: 2022.03.10  
11:52:51-05'00"  
Brett A. Crews, P.E. 65592

REVISIONS		DATE	BY	DESCRIPTION

DESIGN BY:

**TRADEMARK**  
Construction Group, Inc.

CERTIFIED GENERAL CONTRACTOR  
CGC1514780

750 SW MAIN BLVD.  
LAKE CITY, FL 32025  
(386)755-5254

**CES**  
Crews Engineering Services, LLC

CERTIFICATE OF AUTHORIZATION  
NO. 28022  
349 SW CREWS FARM TERRACE  
LAKE CITY, FL 32025  
PHONE: 386.623.4303

DRAWN BY:

TM

APPROVED BY:

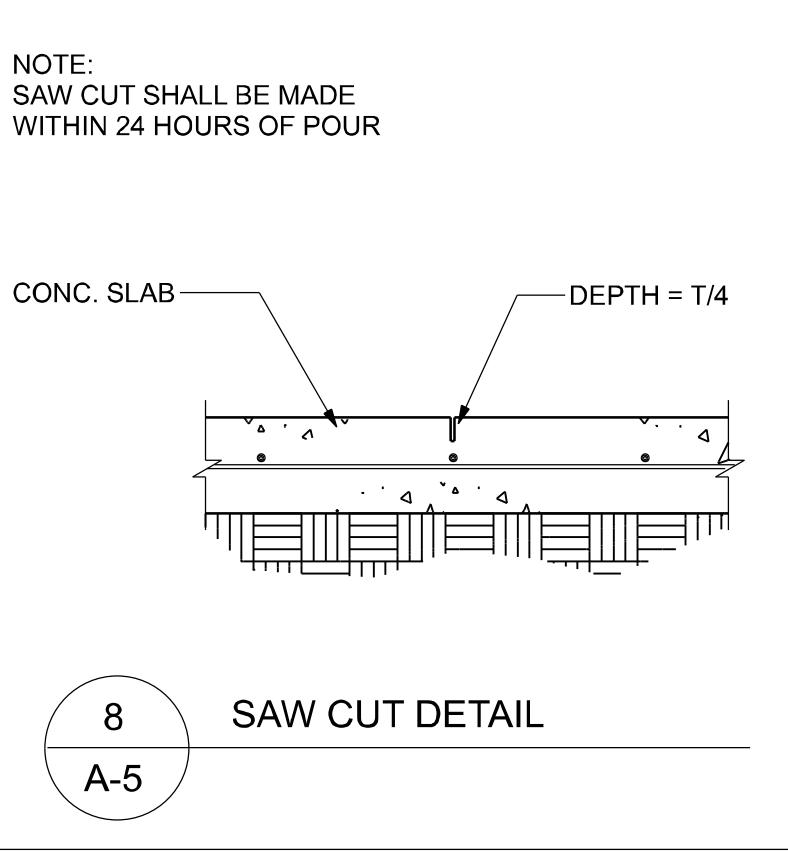
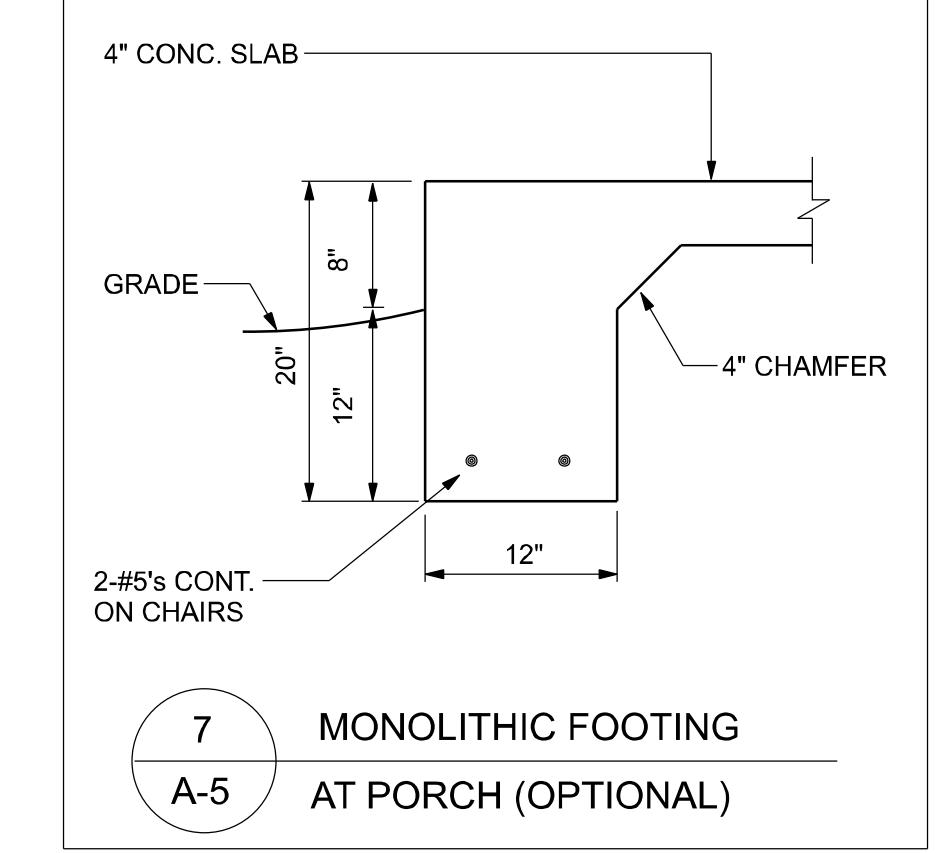
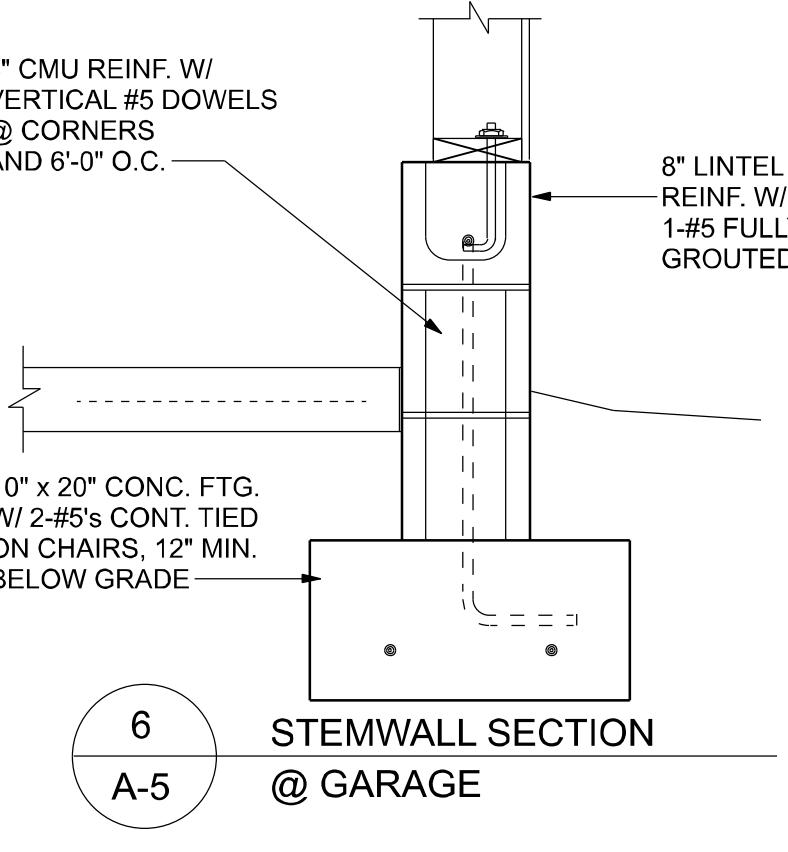
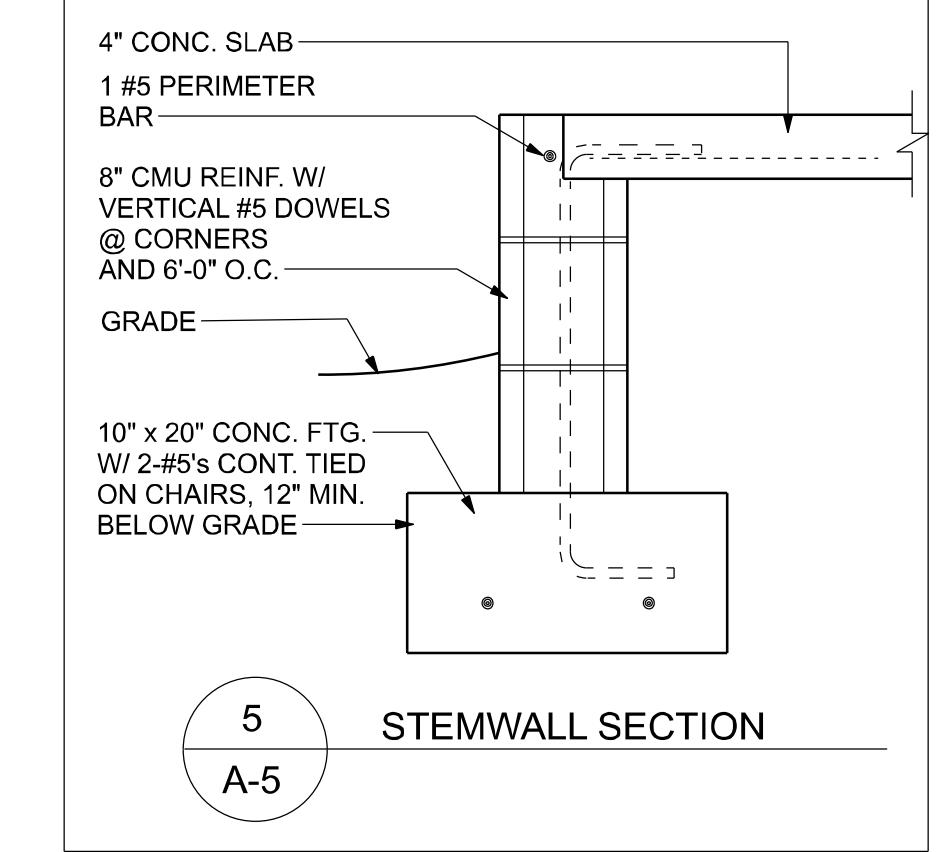
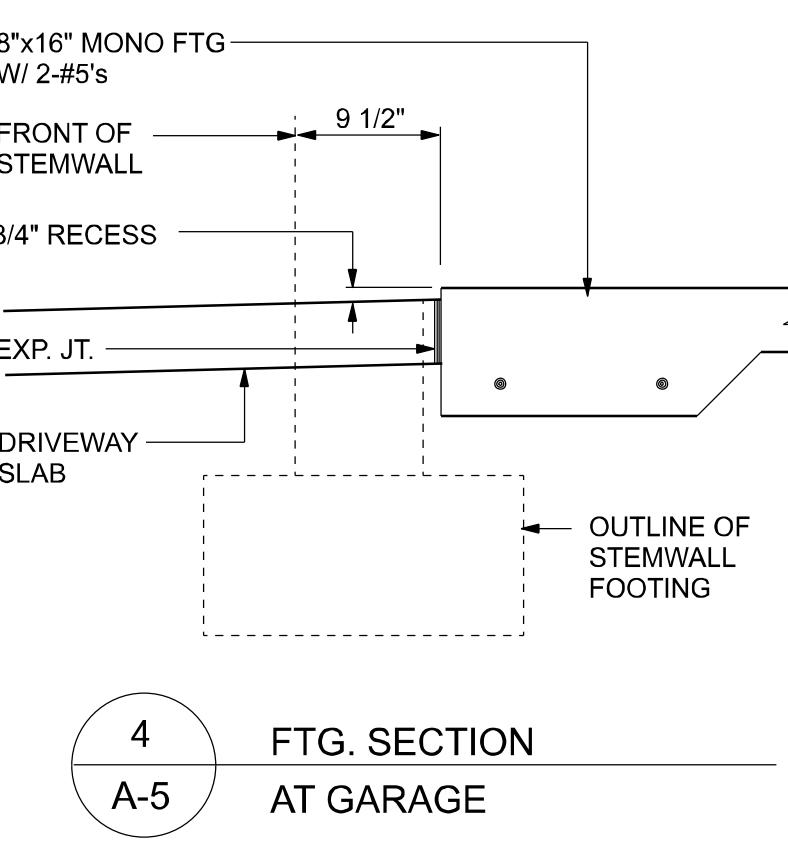
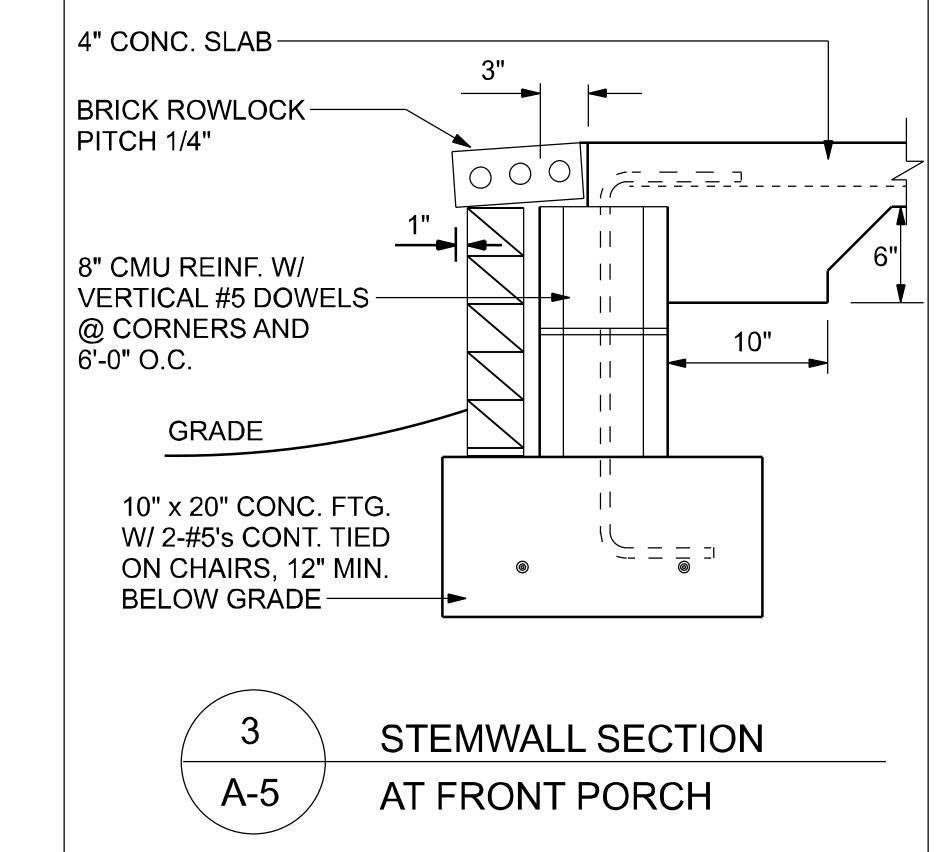
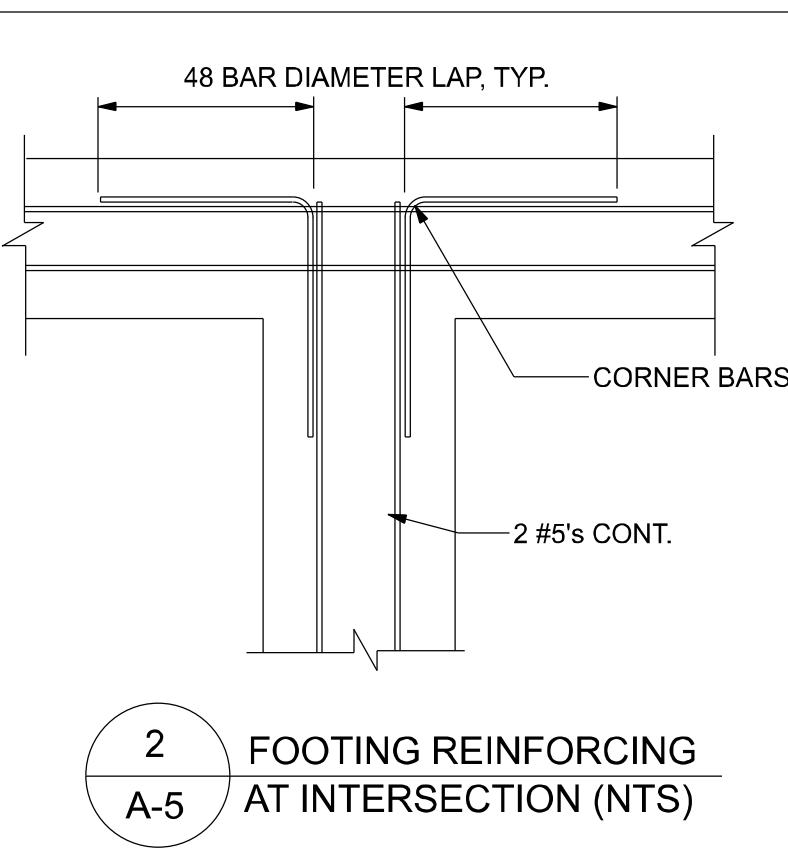
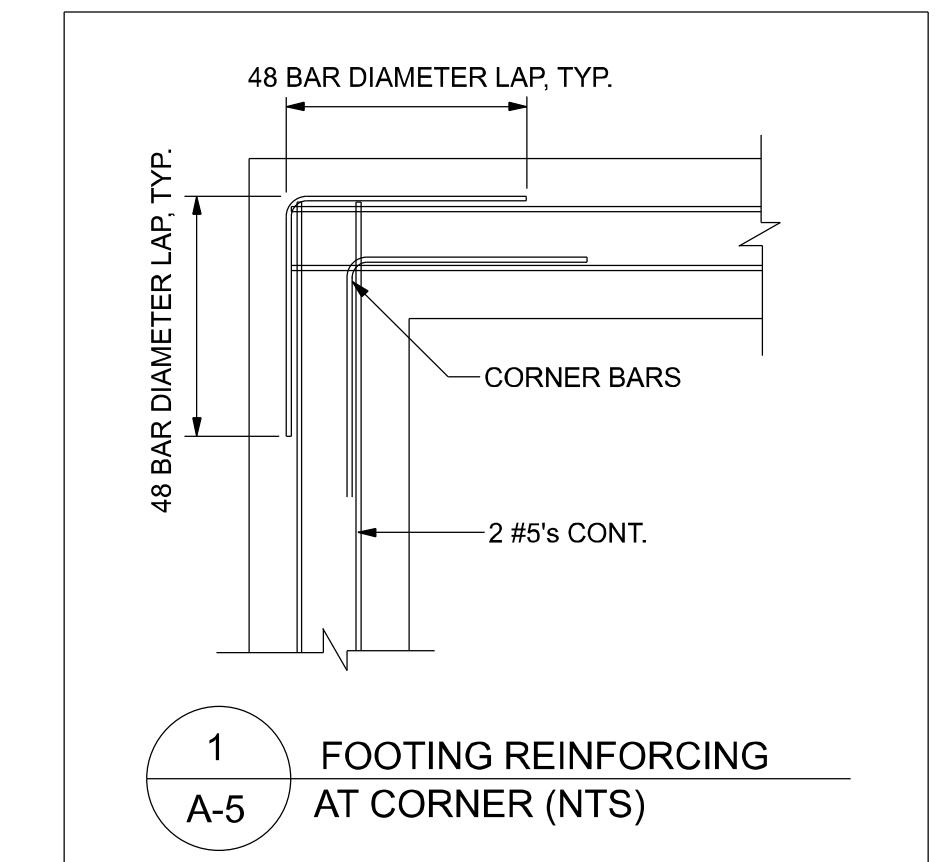
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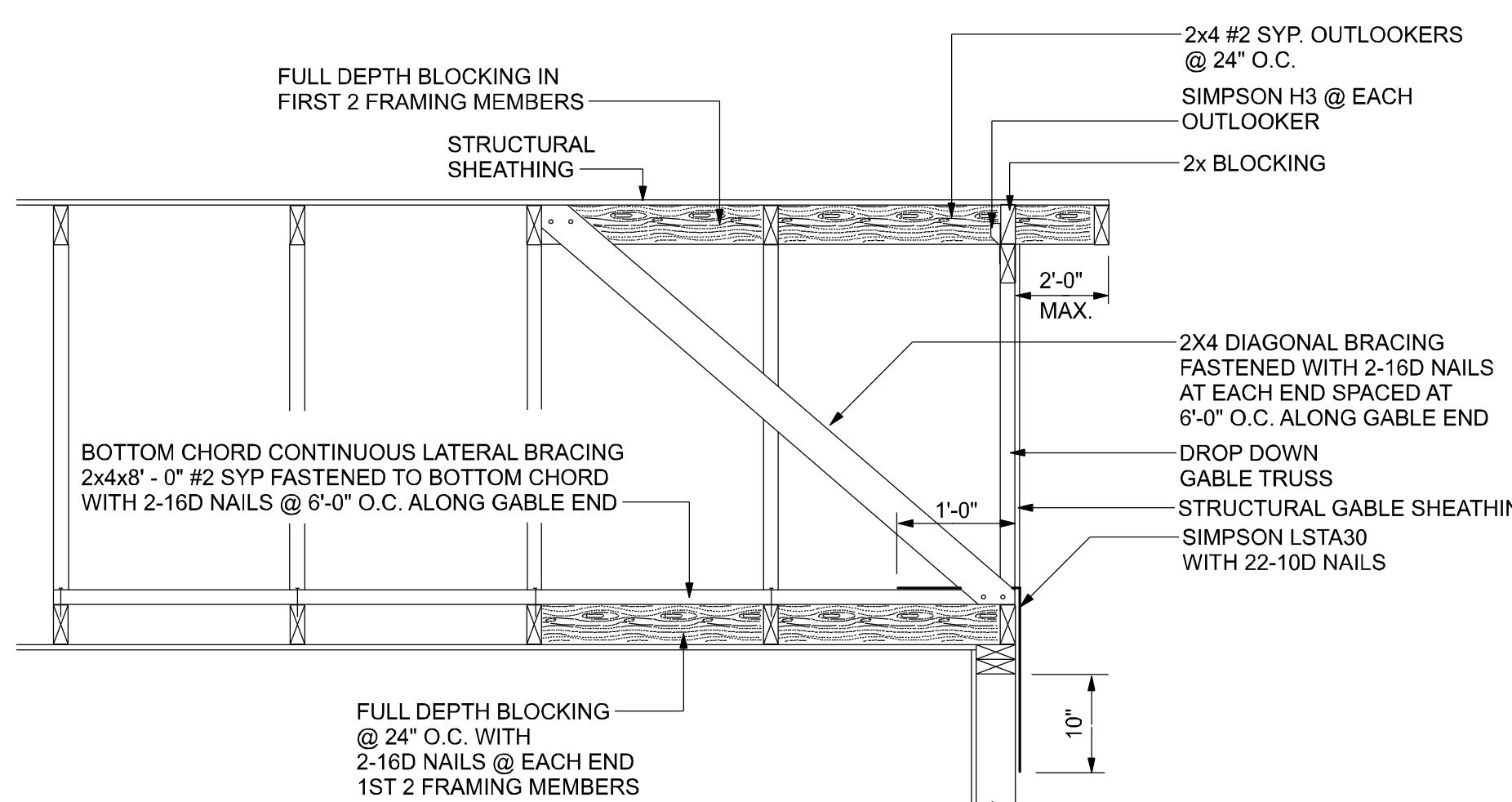
**SELLERS RESIDENCE**  
FOUNDATION PLAN

PROJECT NO.:  
R22.001

SHEET:

A-5

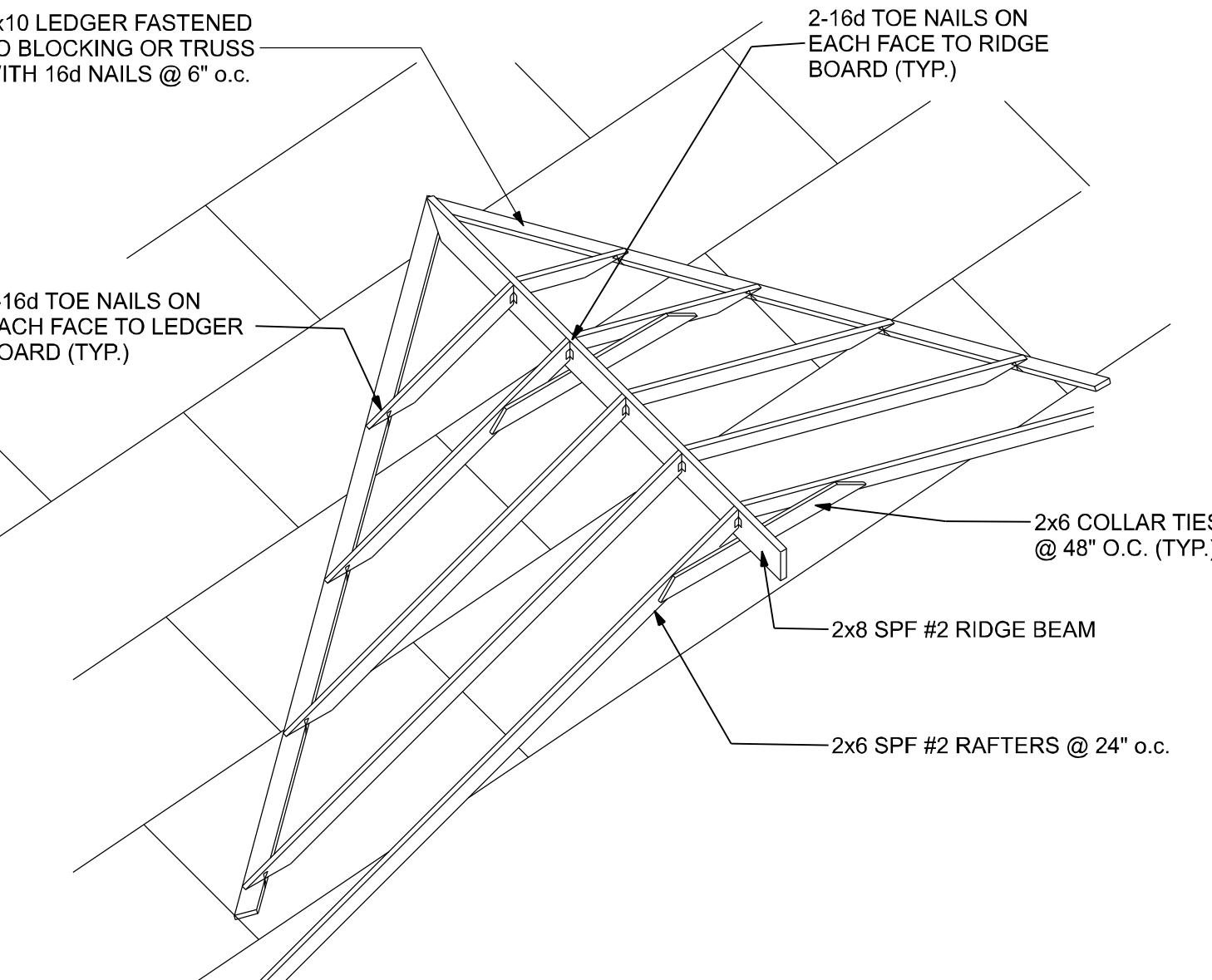
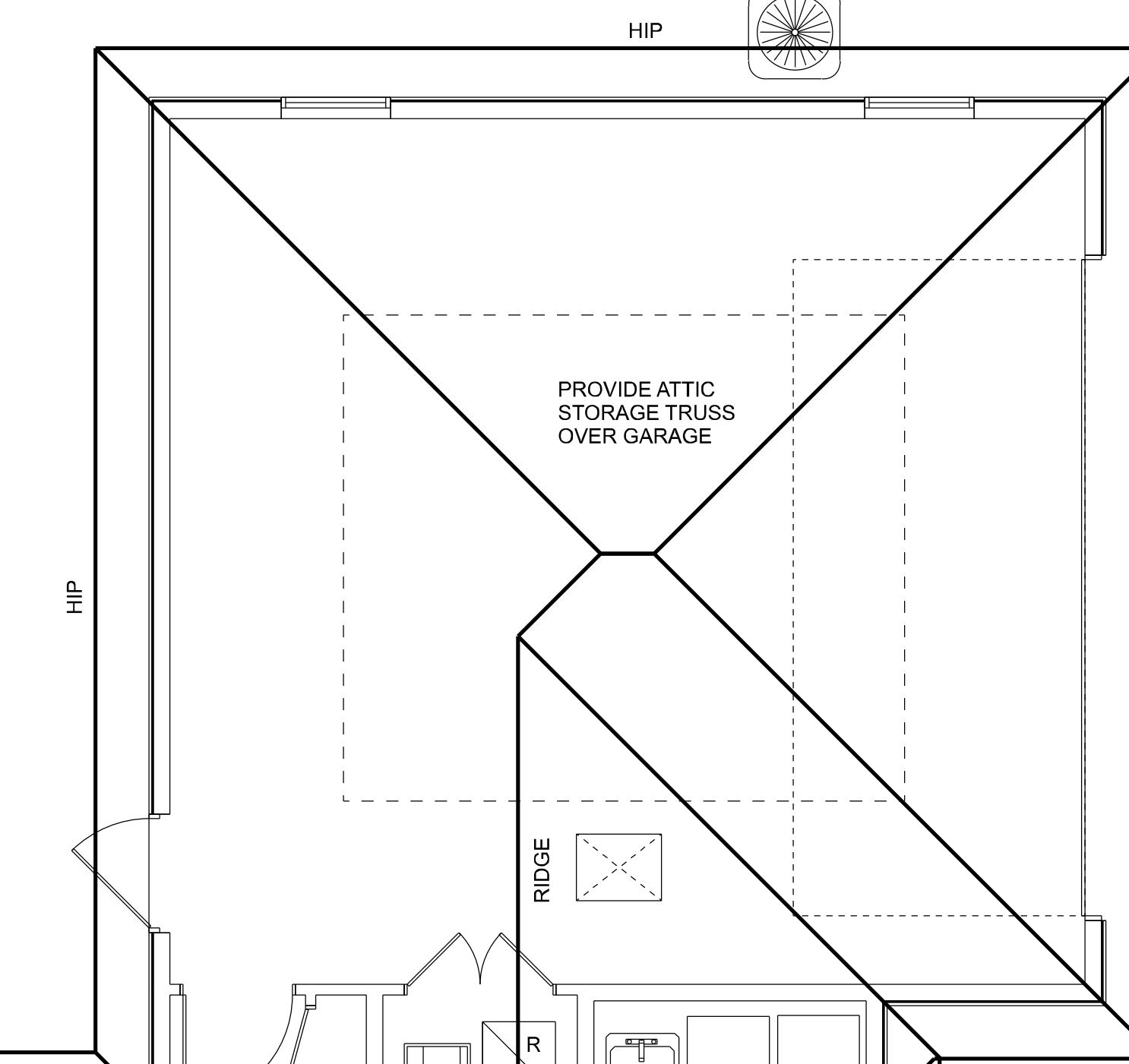




### END WALL BRACING FOR CEILING DIAPHRAGM

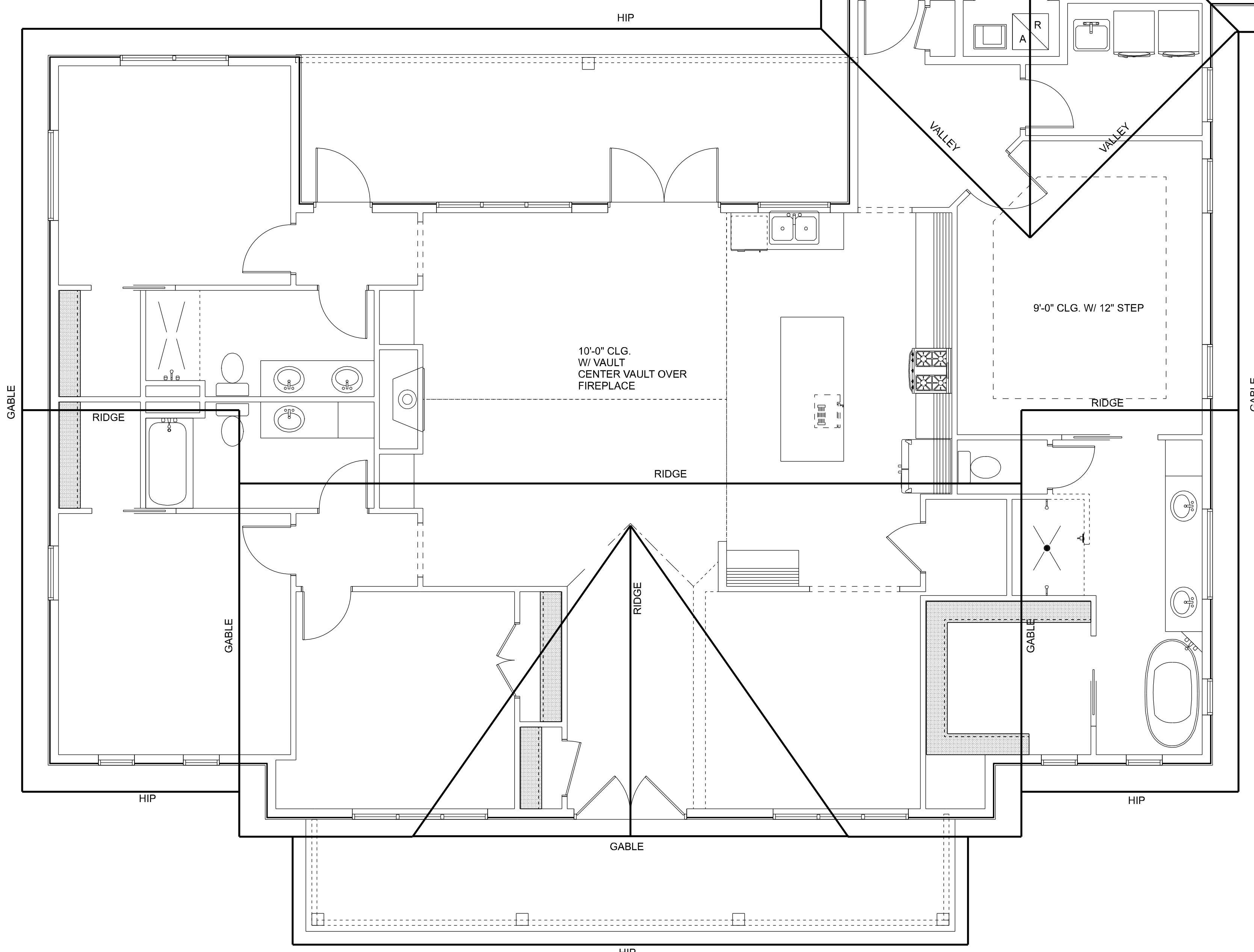
NTS

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



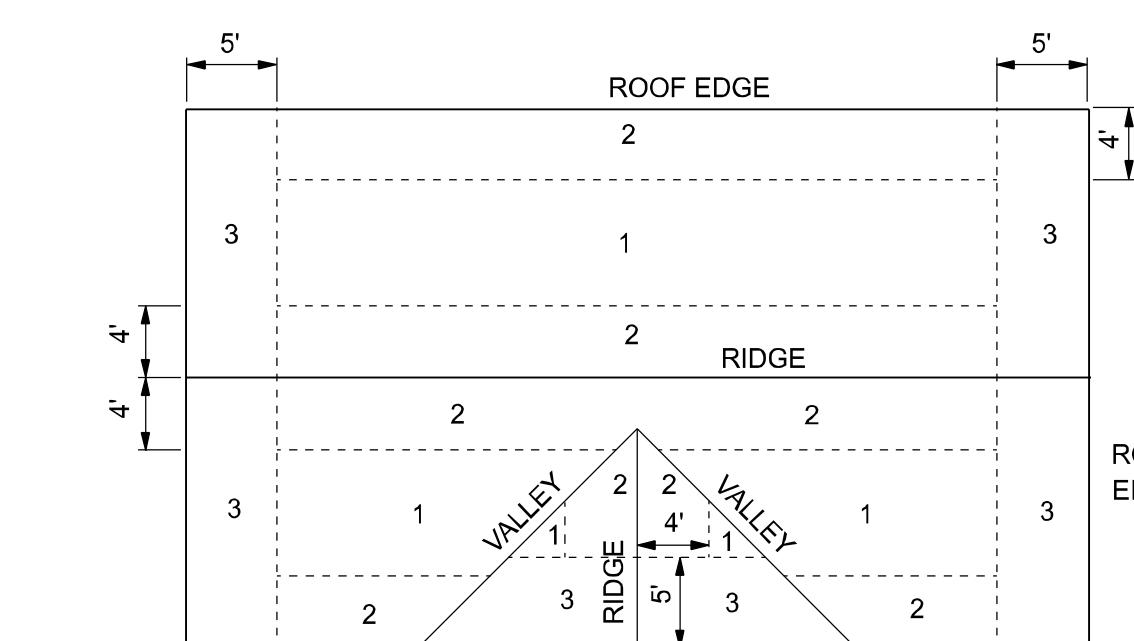
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NTS

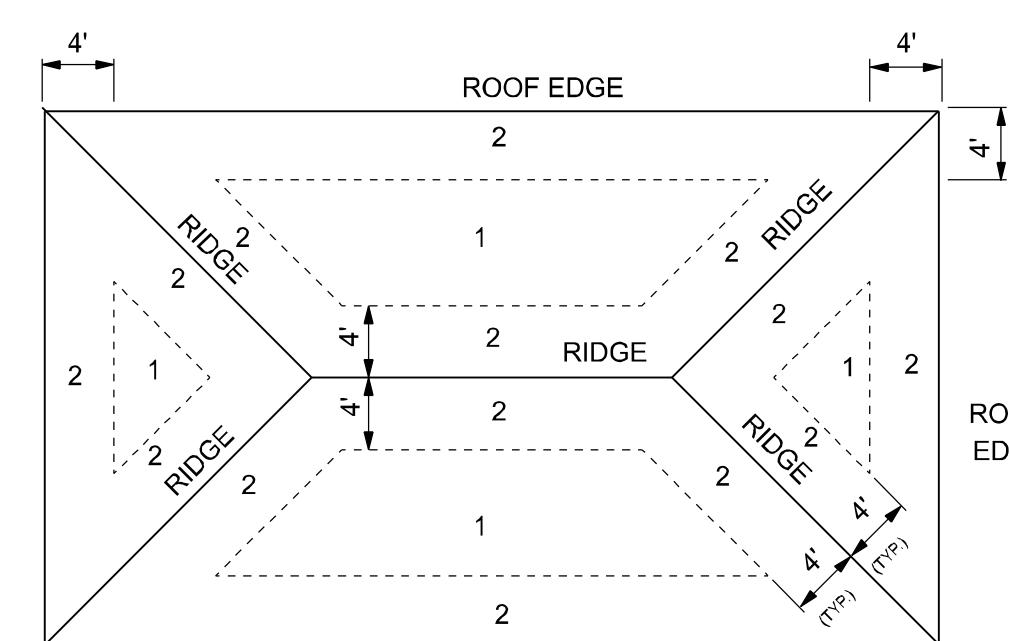


ROOF SHEATHING FASTENERS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1			6" O.C. EDGE 12" O.C. FIELD
2	1/2" OSB	8D GALV. RING SHANK NAILS	6" O.C. EDGE 6" O.C. FIELD
3 (N/A)			4" O.C. @ GABLES 6" O.C. EDGE 6" O.C. FIELD

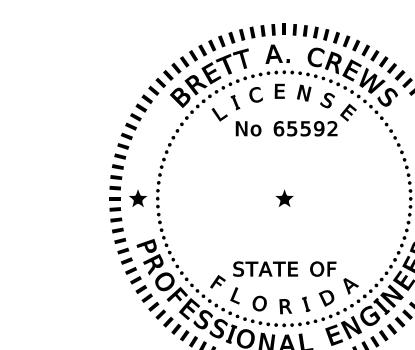
### ROOF SHEATHING FASTENING



### ROOF SHEATHING NAILING ZONES (GABLE ROOF)



### ROOF SHEATHING NAILING ZONES (HIP ROOF)



Digitally signed by  
Brett A. Crews  
Date: 2022.03.10  
11:51:45-05'00'  
Brett A. Crews, P.E. 65592

REVISIONS		DESIGN BY:	CERTIFIED GENERAL CONTRACTOR	DATE	BY	DESCRIPTION
		TRADEMARK Construction Group, Inc.	CGC1514780			

DESIGN BY:  
**TRADEMARK**  
Construction Group, Inc.  
750 SW MAIN BLVD.  
LAKE CITY, FL 32025  
(386)755-5254

**CES**  
Crews Engineering Services, LLC

CERTIFICATE OF AUTHORIZATION  
NO. 28022  
349 SW CREWS FARM TERRACE  
LAKE CITY, FL 32025  
PHONE: 386.623.4303

DRAWN BY:  
TM  
APPROVED BY:  
BC

**SELLERS RESIDENCE**  
ROOF PLAN

PROJECT NO.: R22.001  
SHEET: A-6



- RULES:**
1. One all-thread rod at each corner.
  2. One all-thread rod at each end of shearwalls.
  3. One all-thread rod at each end of opening headers greater than 3'-0".
  4. Check sub-sheathing to top plate connection for horizontal transfer capability.
  5. If necessary, add all-thread rods to girders individually to exclude the from average uplift plf.
  6. Check sole plate to slab connection, additional anchors may be required for lateral and shear load transfer.

ALLOWABLE VALUES	
Connection Type	Allowable Value
Foundation / S.Y.P. Top Plate	3840 lbs.
Foundation / Spruce-Pine-Fir Top Plate	3840 lbs.
Lintel or Bond Beam / S.Y.P. Top Plate	3840 lbs.
Lintel or Bond Beam / Spruce-Pine-Fir Top Plate	3840 lbs.

#### Placement at slab level:

##### Corners

When presetting the all-thread rod at a building corner, the rod should be placed 8 to 12 inches away from the corner so it does not set under the corner framing members. When a all-thread rod is specified at a building corner, it may be placed on either side of the corner.

##### Header ends

When presetting the all-thread rod at a header end, the rod should be placed 8 to 12 inches away from the header end so it does not fall under the stud pack framing members.

##### Top Connections

Top connections made at corners and header ends shall be made within 2 inches of the framing pack. A nut and 3x3 washer shall be applied to the top plates and tightened securely.

##### Intermediate Coupler Connections

When using the rod coupler, care should be taken to ensure full and equal thread engagement. This is easily achieved by threading the coupler all the way onto the rod, then standing the two rods end to end, then threading the coupler back over the rod joint so the rod is halfway into the coupler.

##### Retro-fits

In the case of an all thread rod misplacement, the rod may be epoxied into the concrete.

##### Sole plate to slab connection:

The slab level sole plate shall be connected to the slab with the connectors specified and at the spacing specified within the design documents. All-thread rods shall be placed as per the design specifications. All-thread rods with a nut and washer at the sole plate will qualify as a sole plate connection but may require other anchors intermediate of the all-thread rod locations to qualify the specified spacing requirements.

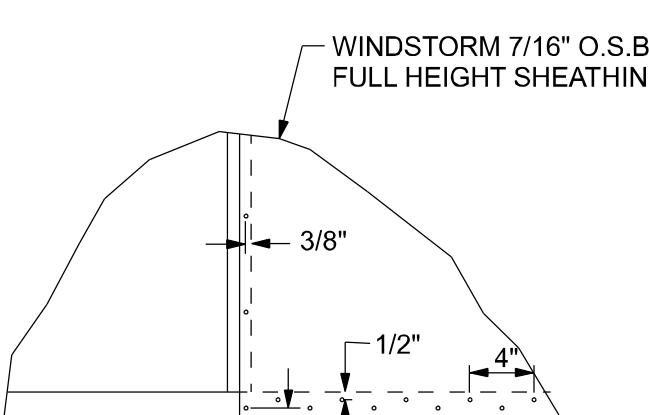
##### System Tightening:

On multiple story applications, the all-thread rod system shall be rechecked for proper tension just before the walls are veneered. This will allow the all-thread rod system to compensate for the buildings dead load compression.

#### SHEARWALL NOTES:

1. ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-99 305.4.3.
2. THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16" O.S.B. INCLUDING AREAS ABOVE AND BELOW OPENINGS.
3. ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURRING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING.
4. NAIL SPACING SHALL BE 6" O.C. EDGES AND 12" O.C. IN THE FIELD.
5. TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 5/6 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3.5 ie. FOR 8'-0" WALLS - 2'-3".

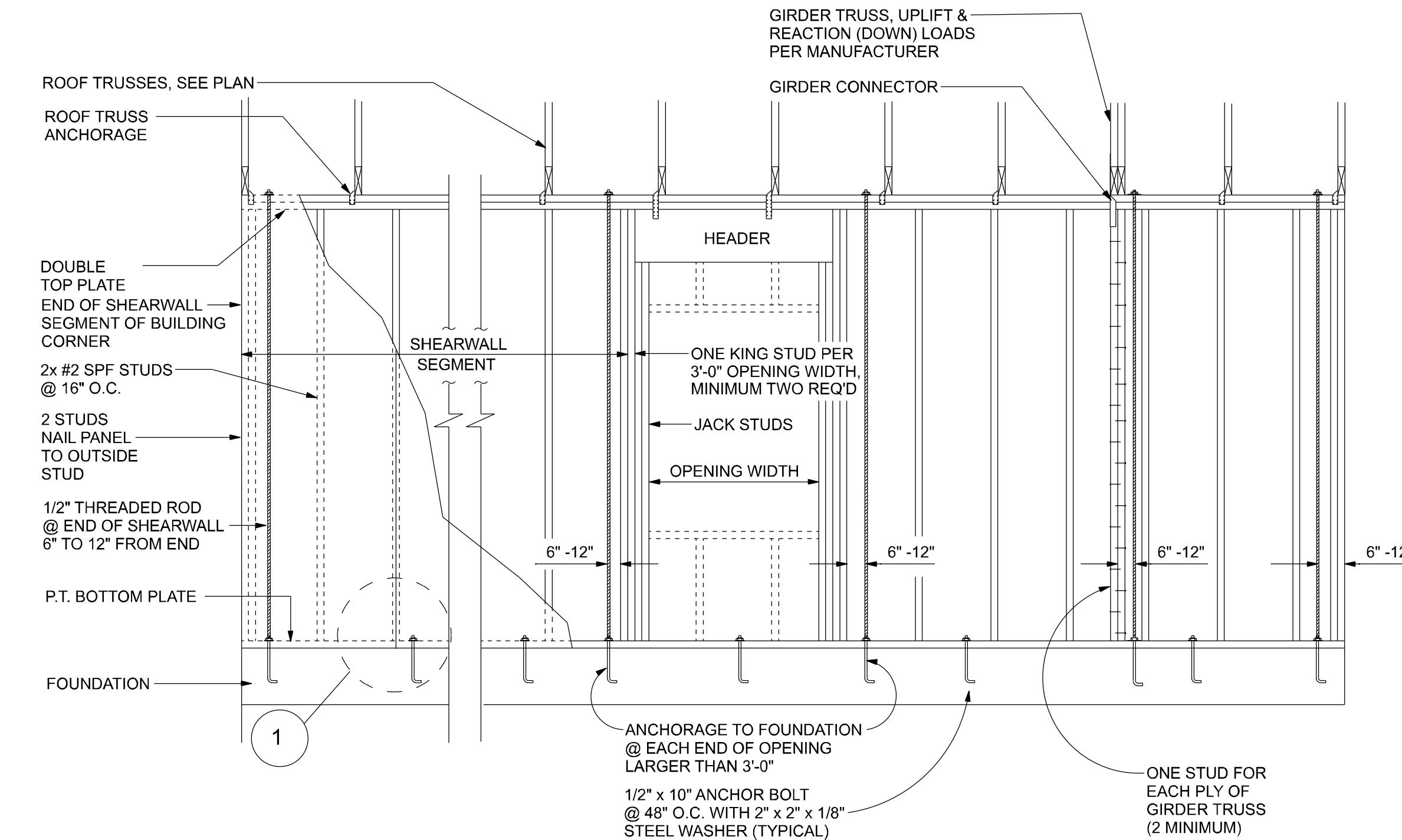
OPENING WIDTH	SILL PLATES	16d TOE NAILS EACH END
UP TO 6'-0"	(1) 2x4 OR (1) 2x6	1
> 6'-0" TO 9'-0"	(3) 2x4 OR (1) 2x6	2
> 9'-0" TO 12'-0"	(5) 2x4 OR (2) 2x6	3



#### 1 DOUBLE NAIL EDGE SPACING TOP AND BOTTOM PLATE

UPLIFT CAPACITY = 474 plf  
(TABLE 305S1 SSTD10-99)

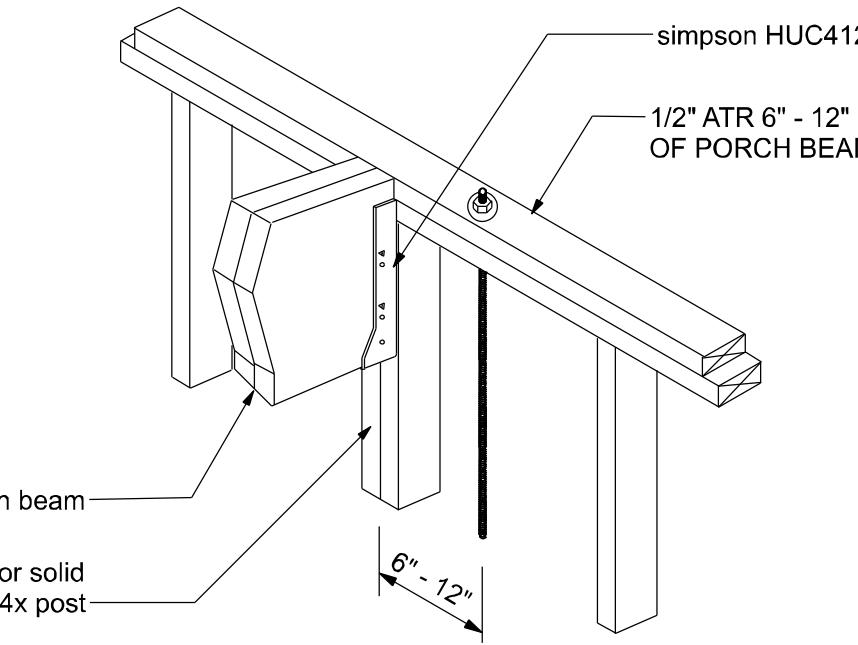
NOTE:  
ALL WALL SHEATHING SHALL BE WINDSTORM  
1 1/8" FULL HEIGHT SHEATHING-  
SEE DETAIL 1 FOR NAILING



#### SHEARWALL DETAILS

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

NOTE:  
VERIFY GIRDER TRUSS LOCATION  
ON TRUSS LAYOUT FOR REQ'D  
ALL THREAD AT GIRDER LOCATION

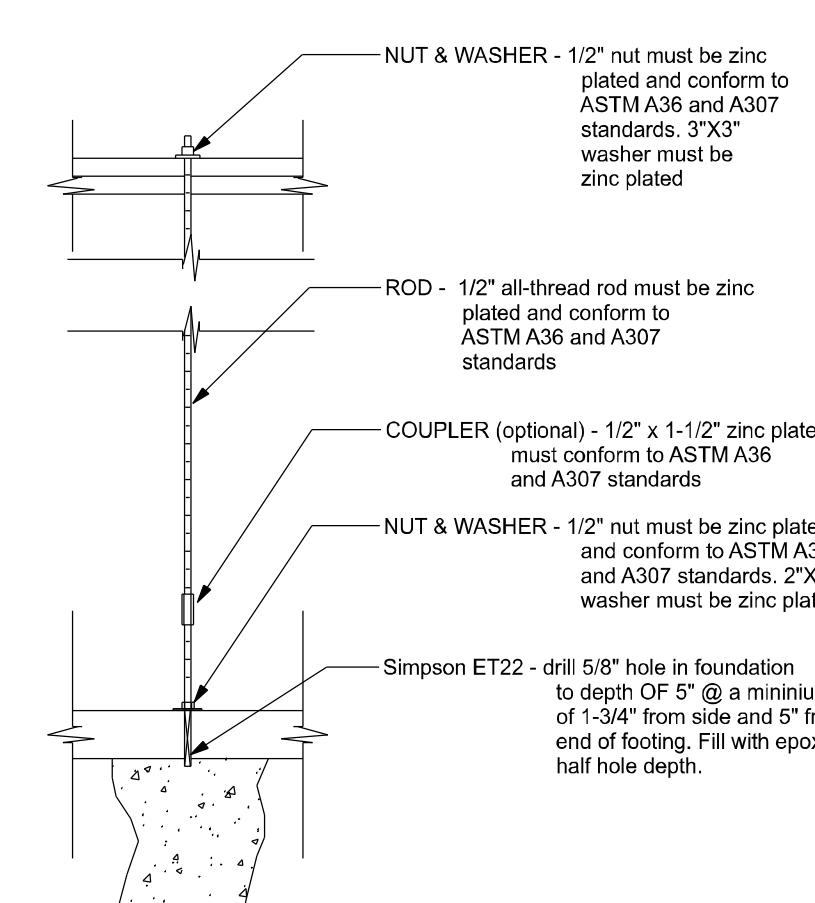
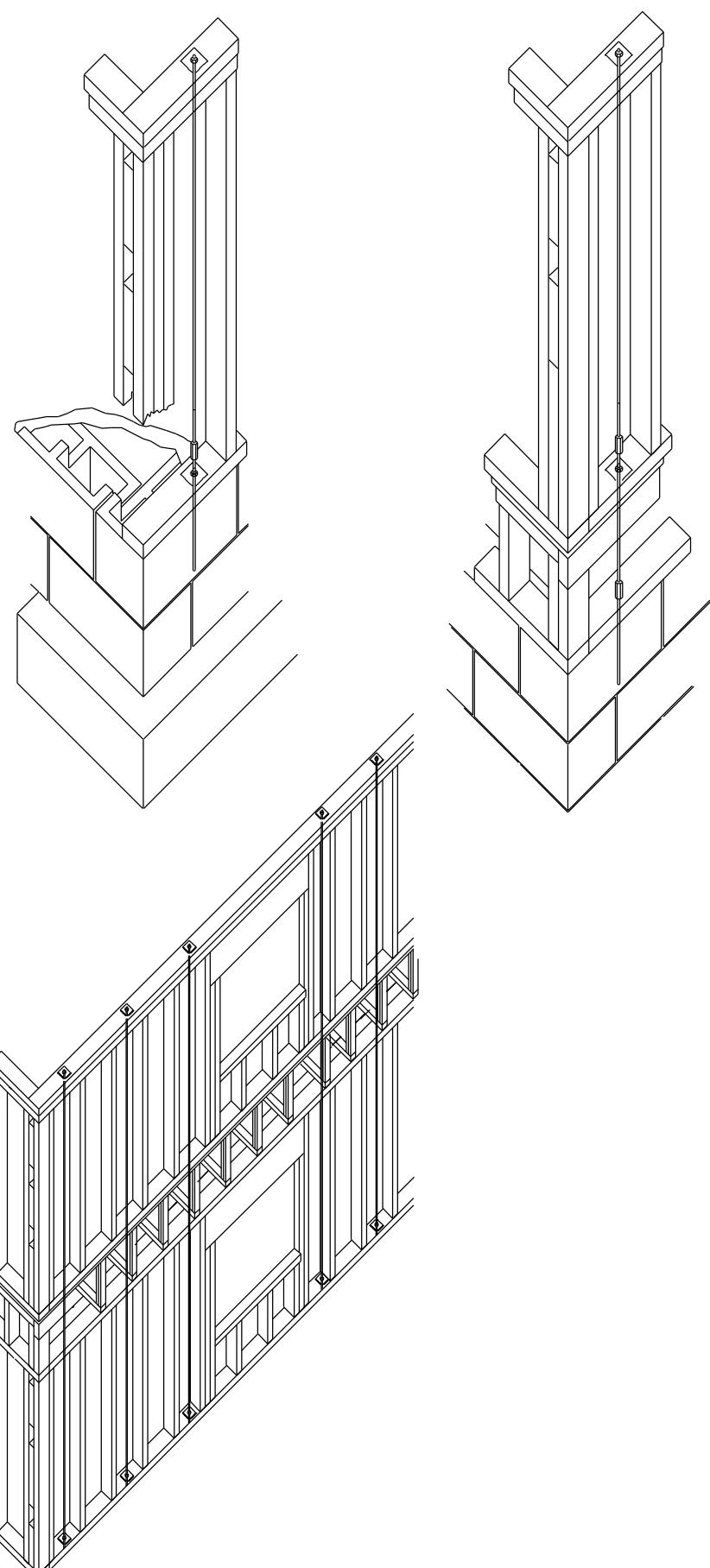


#### ALL THREAD @ PORCH BEAM

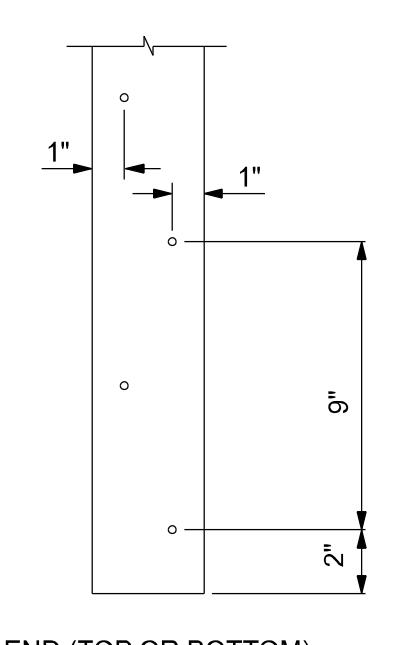
NTS

#### ALLOWABLE DEFLECTION OF STRUCTURAL MEMBERS

STRUCTURAL MEMBER	ALLOWABLE DEFLECTION
rafter having slopes greater than 2/12 with no finished ceiling attached to rafters	L/180
interior walls and partitions	H/180
floors and plastered ceilings	L/360
all other structural members	L/240
exterior walls with plaster or stucco finish	H/360
exterior walls - wind loads with brittle finishes	L/240
exterior walls - wind loads with flexible finishes	L/120

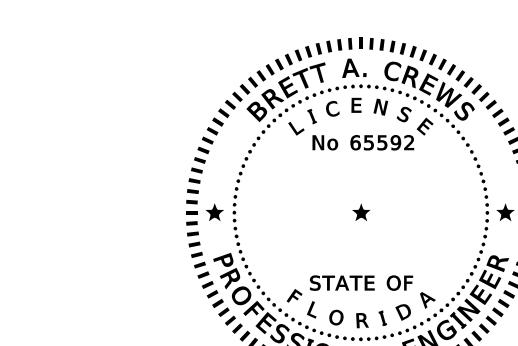


NOTE:  
A SOLID MEMBER OF EQUAL OR  
GREATER SIZE THAN MULTIPLE  
MEMBERS MAY BE USED.  
IF RATED SHEATHING IS APPLIED  
TO NARROW EDGES, NAILED TO  
EACH STUD AT 12" O.C. MAXIMUM,  
THE LAMINATION NAILING SHOWN  
HERE IS NOT REQUIRED.



#### GIRDER COLUMN DETAIL

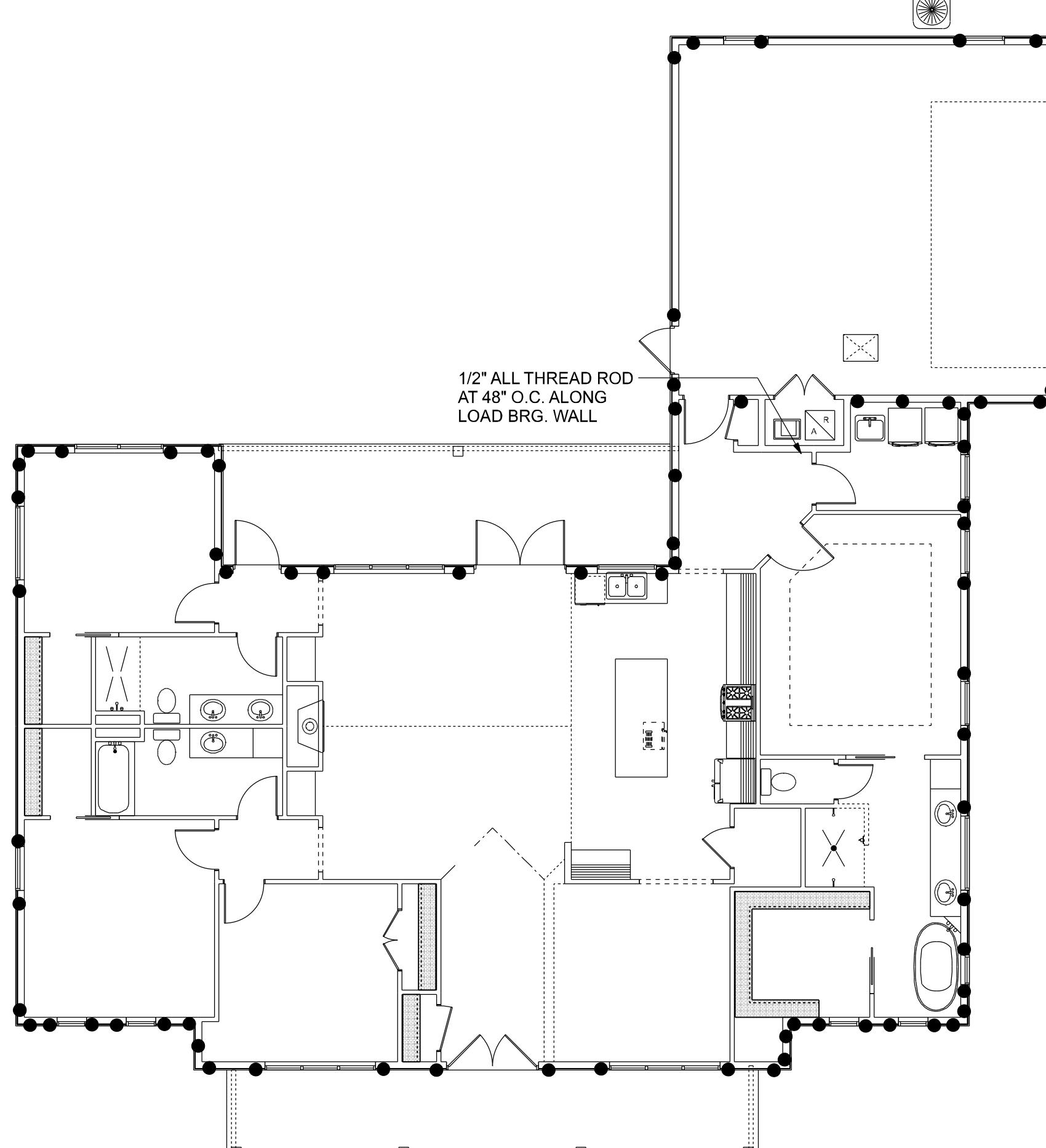
SCALE: 1/2" = 1'-0"



Digitally signed  
by Brett A. Crews  
Date: 2022.03.10  
11:44:19-05'00'  
Brett A. Crews, P.E. 65592

DRAWN BY:  
TM  
APPROVED BY:  
BC

**SELLERS RESIDENCE**  
SHEARWALL DETAILS  
SHEET: A-9



#### ALL THREAD DETAIL

● ALL THREAD LOCATION

REVISIONS	
DATE	BY
	DESCRIPTION

DESIGN BY:

**TRADEMARK**  
Construction Group, Inc.

CERTIFIED GENERAL CONTRACTOR  
CGC1514780

750 SW MAIN BLVD.  
LAKE CITY, FL 32025  
(386)755-5254

**CES**  
Crews Engineering Services, LLC

CERTIFICATE OF AUTHORIZATION  
NO. 28022  
349 SW CREWS FARM TERRACE  
LAKE CITY, FL 32025  
PHONE: 386.623.4303

DRAWN BY:  
TM  
APPROVED BY:  
BC

PROJECT NO.: R22.001  
SHEET: A-9