

WOOD CONSTRUCTION

1. WOOD CONSTRUCTION SHALL CONFORM TO THE NDS "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION", 2012 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. ALL WOOD SHALL BE USED REGARDLESS OF SPECIES.
3. END 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 A HOLES OVER 1" IN DIA. FOR PLUMBING LINES, ETC. SHALL BE REPAID WITH SIMPSON HSS2 STUD SHOS, TYP., U.N.O.
4. FASTENERS JOIST 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. 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 NATION. 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 RE-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 O.Y. WEB MEMBERS ARE NOT SHOWN, BUT SHALL BE DESIGNED BY THE TRUSS MANUFACTURER IN ACCORDANCE WITH THE FOLLOWING DBGN LOADS:

6. WOOD TRUSSEPER THE TRUSS PLATE INSTITUTE TPI LATEST EDITION.
7. PREENGINEERED 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, BRACING RELATIONS, AND PERMANENT BRACING AND/OR
BRIDGING AS REQUIRED FOR ERECTION AND FOR THE PERMANENT
STRUCTURE. E.H. 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 EXAMINE ALL SPANS WORKING
POUNDS PER SQUARE FOOT, AND SIMILAR CONDITIONS. TRUSS SHOP
DRAWINGS SHALL SHOW ALL TRUSSES, ALL BRACING MEMBERS, AND
ALL TRUSS TO RISS HANGERS.

ASSUMED ALLOWABLE SOIL BEARING PRESSURE AFTER COMPACTION:
2000 PSF SEE SLS REPORT AND SPECIFICATIONS FOR COMPACTION
REQUIREMENTS. SOIL CONDITIONS IN THE PROJECT DO NOT MEET
OR EXCEED THACAPACITY 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

STRUCTURAL DESIGN CRITERIA

COUNTRY
ZONES
SIGNS

SHEET NO.:	TITLE
1	COVER SHEET
2	FLOOR PLAN
	ELEVATIONS
3	FOUNDATION PLAN
	ELECTRICAL PLAN
	TRUSS LAYOUT
S-1	DETAILS



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CONSTRUCTION
INCORPORATED

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PROJECT:
Newton
Ft White
Columb

SHEET NO.

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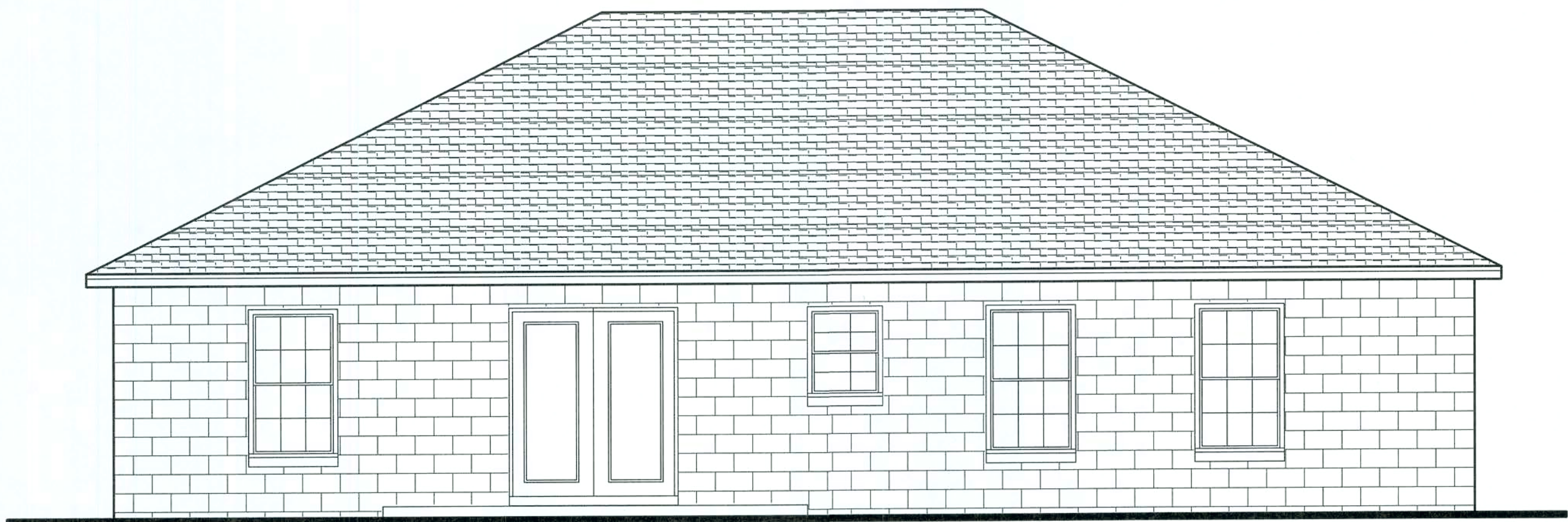


STEVE SMITH
CONSTRUCTION CORPORATION

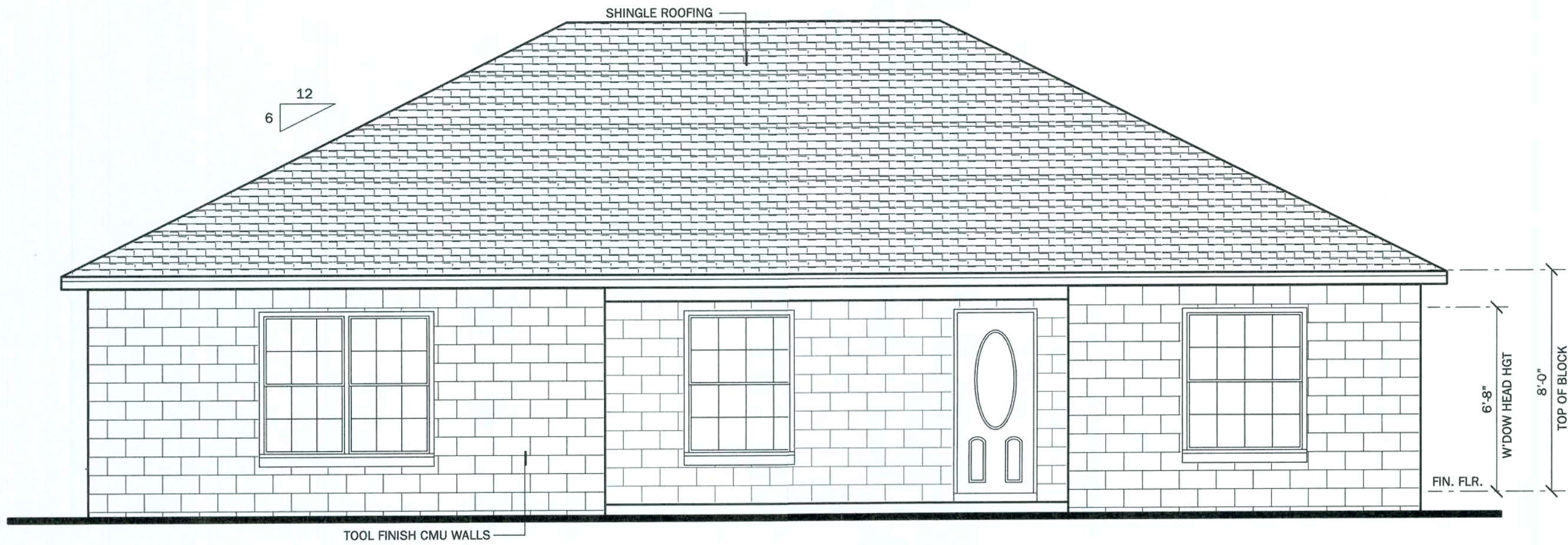
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SHEET NO. **1**
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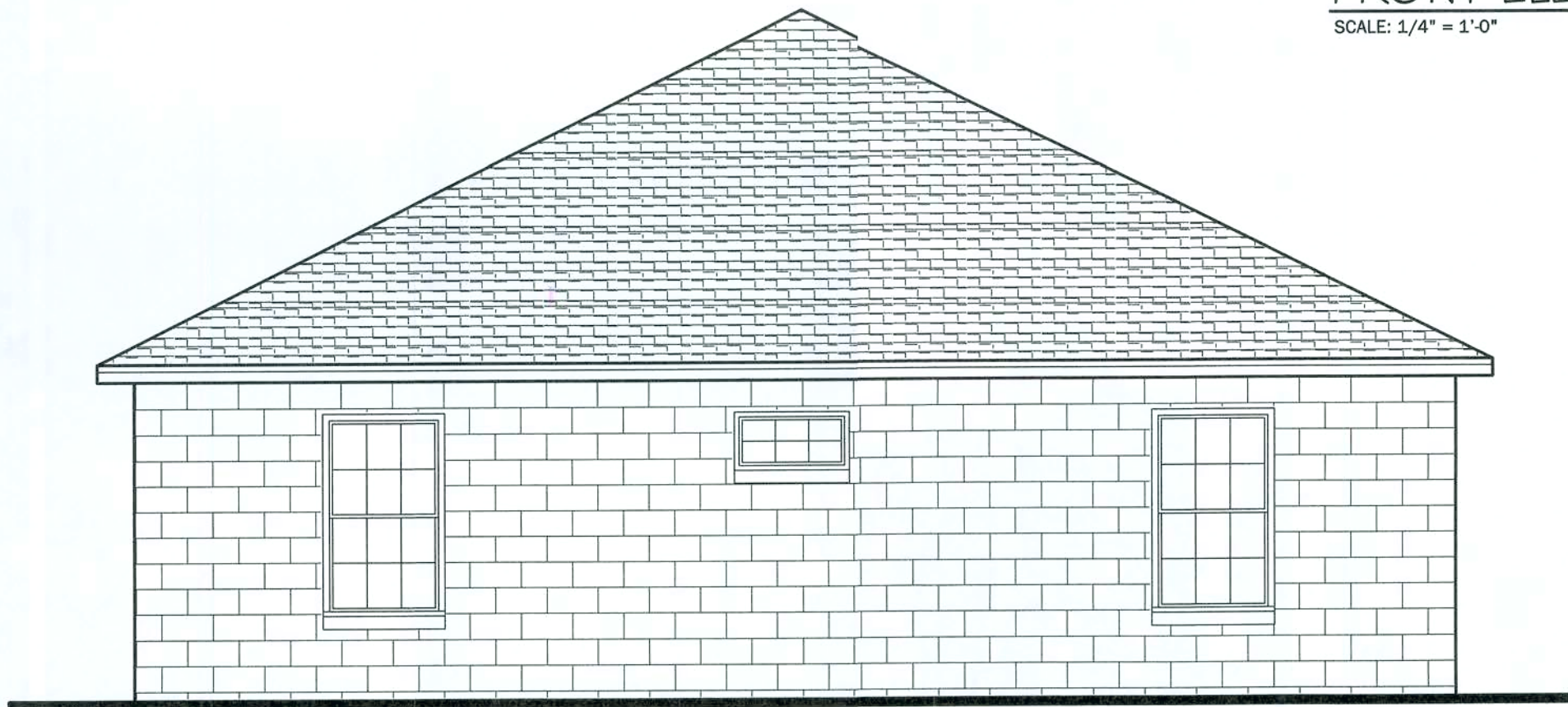
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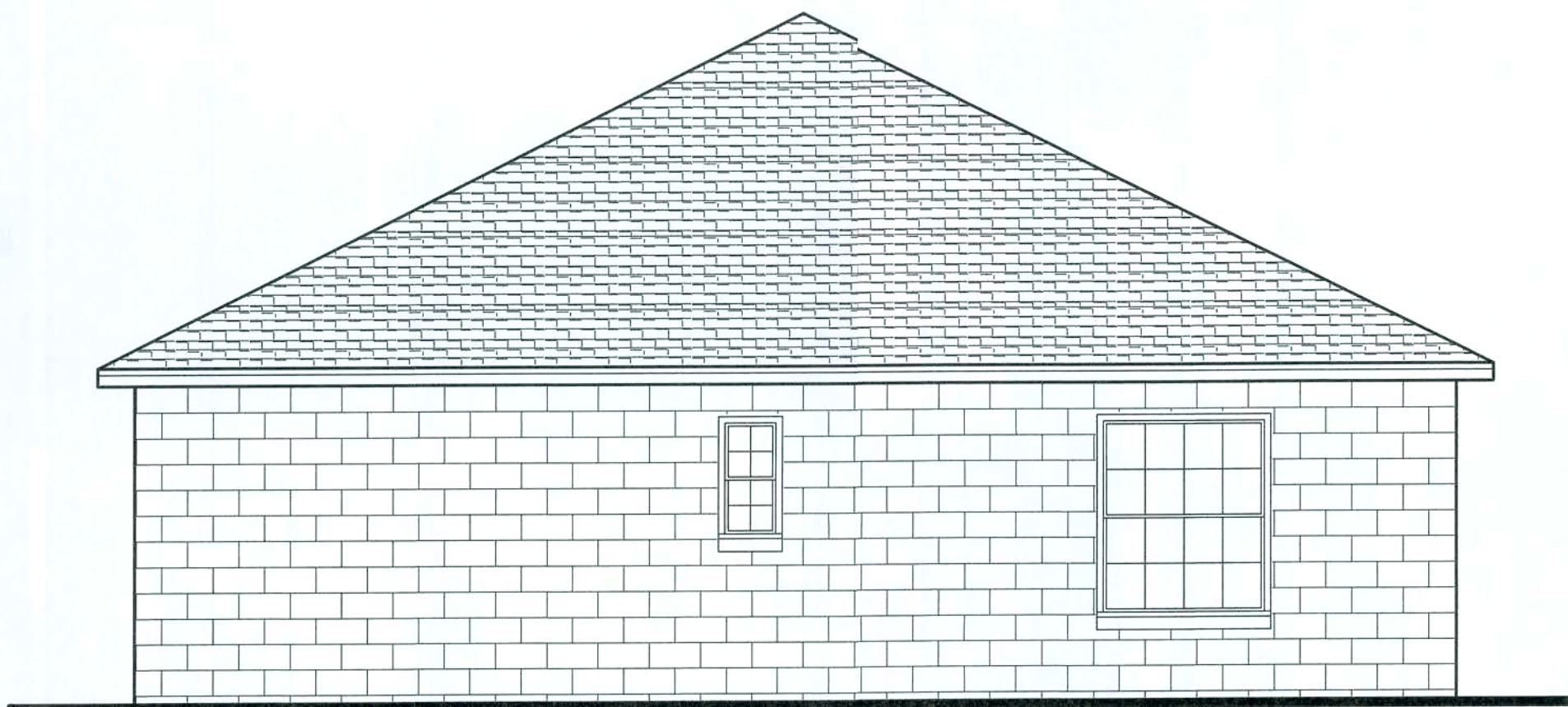
REAR ELEVATION
SCALE: 1/4" = 1'-0"



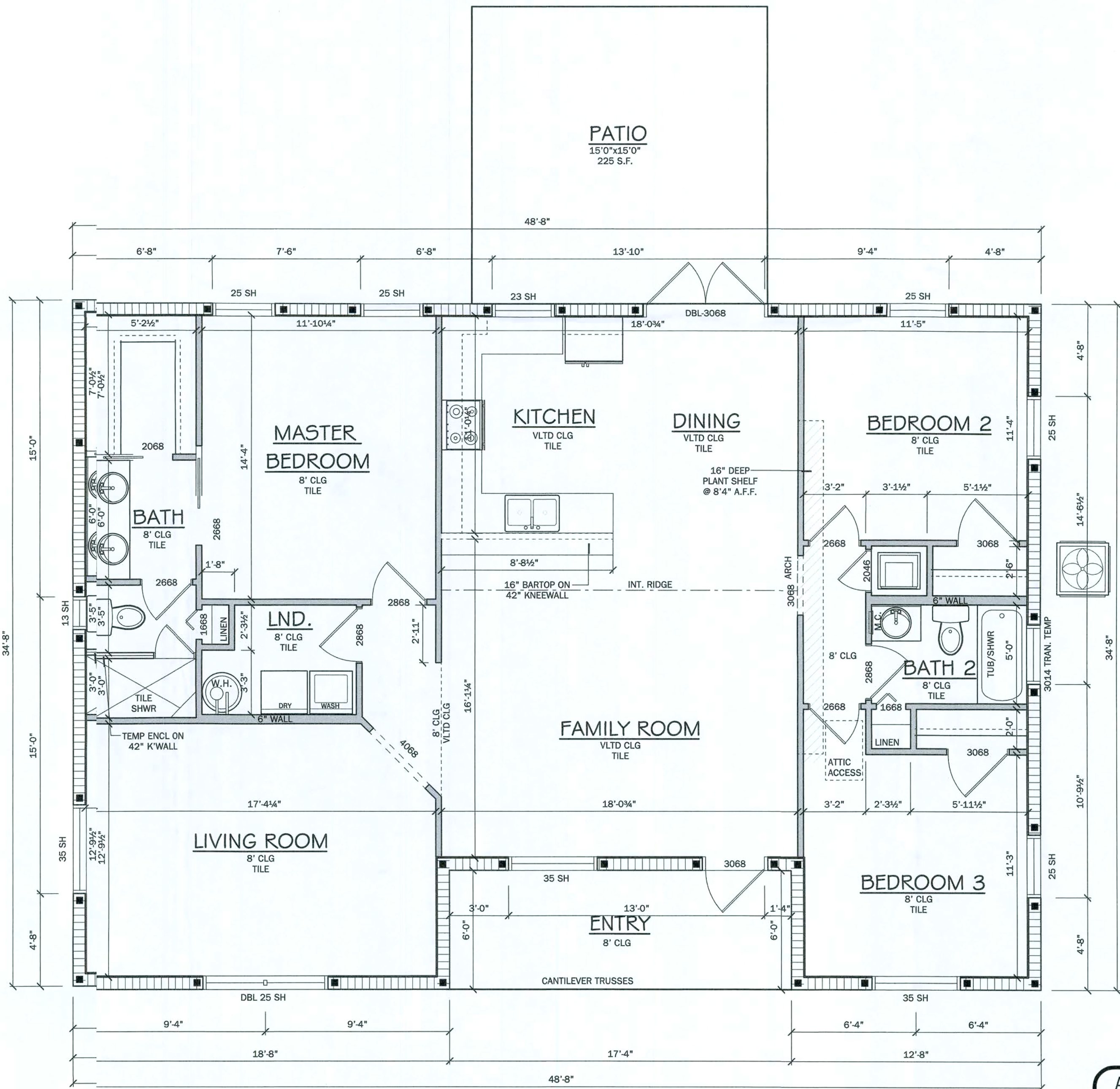
FRONT ELEVATION
SCALE: 1/4" = 1'-0"



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



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



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

AREA CALCULATIONS	
TOTAL LIVING	1578 S.F.
ENTRY PORCH	104 S.F.
TOTAL AREA UNDER ROOF	1682 S.F.

NOTE:
1. ALL WINDOWS WITHIN 2'-0" OF DOORS AND IN SHOWER OR TUB AREAS WILL BE SAFETY TEMPERED GLASS.
2. ALL DOORS LEADING FROM UNCONDITIONED SPACE TO CONDITIONED SPACE SHALL BE SOLID CORE.
3. 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-1 OR EXTERIOR GYPSUM SOFFIT BOARD INSTALLED PER GA-216

VENTILATION CALCULATION
FORMULA PER FRBC 2017 SEC 806.2- S.F. / 300 (1/300) / 2 (INTAKE vs EXHAUST) * 144 (TO CONVERT TO SQ. INCHES) = NET SQ. INCH REQUIREMENT
1682/300 = 5.6 / 2 = 2.8 * 144 = 403
403 SQ. INCHES OF VENTILATION REQUIRED

WALL LEGEND

FRAMED WALL

BEARING WALL

BEARING WALL (FLOOR SYSTEM ONLY)

8" CMU WALL

NOTE: SOFFITS ARE TO BE PERFORATED AND THE NET FREE SQUARE INCHES SHALL MEET OR EXCEED THE CALCULATED AMOUNT OF VENTILATION REQUIRED

Residential Design

1431 E. Wade Street
Trenton, FL 32693
352-274-3006
tchdesigns@gmail.com | • CAD PLAN ENTRY • PLAN REVISIONS • CUSTOM DESIGNS

RANDOLPH WIGGINS, P.E.

1431 E. Wade Street, Suite B Trenton, FL 32693
STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2017 FLORIDA BUILDING CODE (FBC) AND THE 2017 FLORIDA ELECTRICAL CODE (FEC). THIS SHEET IS VALID ONLY FOR THE STRUCTURAL DESIGN.
#CBC1256817
9651 NE 110th Ave Archer, FL 32618
(352) 400-4290

STEVE SMITH

CONSTRUCTION MARKED INCORPORATED

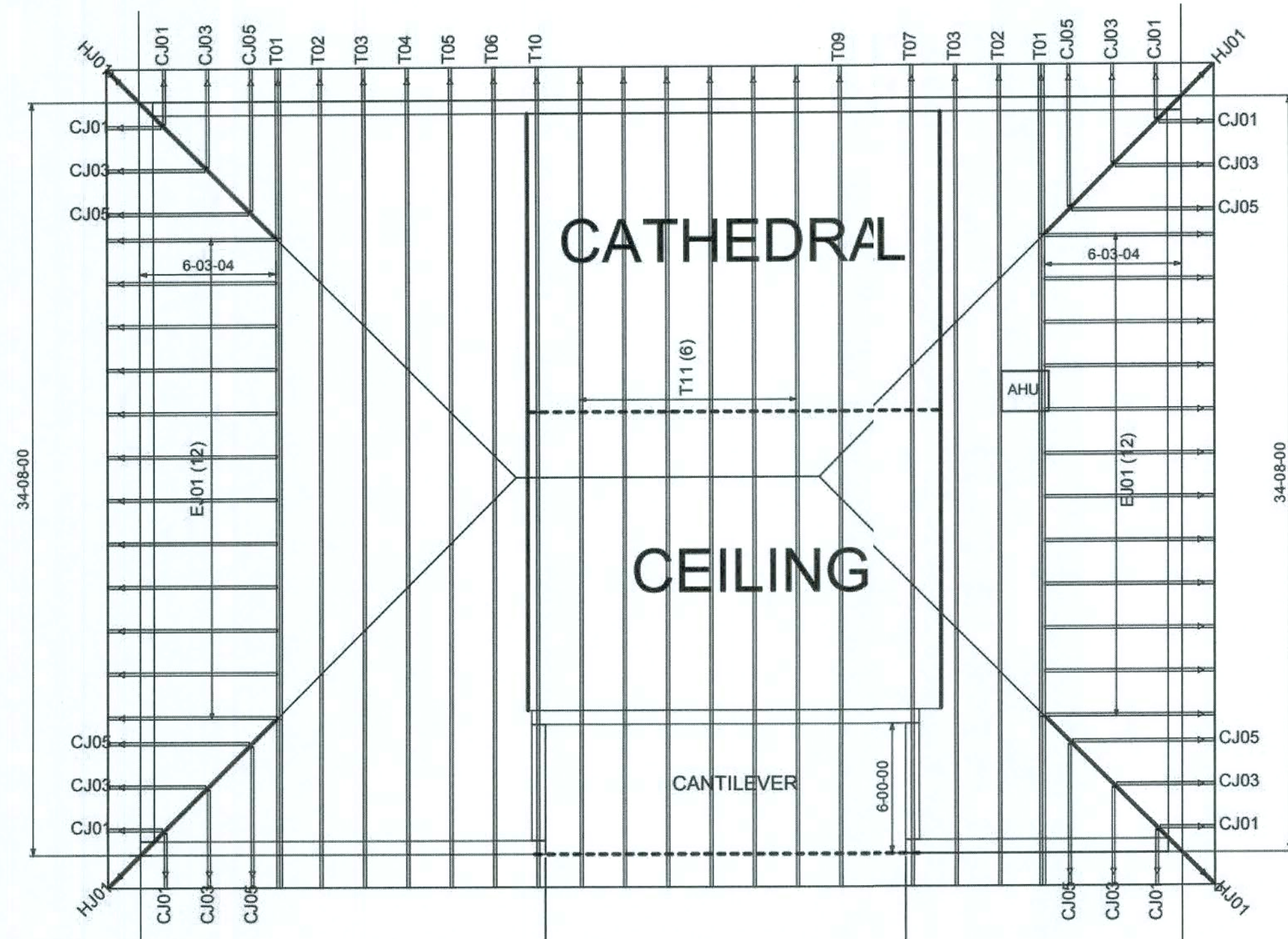
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9651 NE 110th Ave Archer, FL 32618
(352) 400-4290

PROJECT: **Newton Residence**
Ft White, FL
Columbia County

LAST PLOT DATE: October 12, 2018 12:59 PM

SHEET NO.

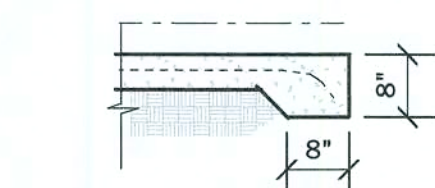
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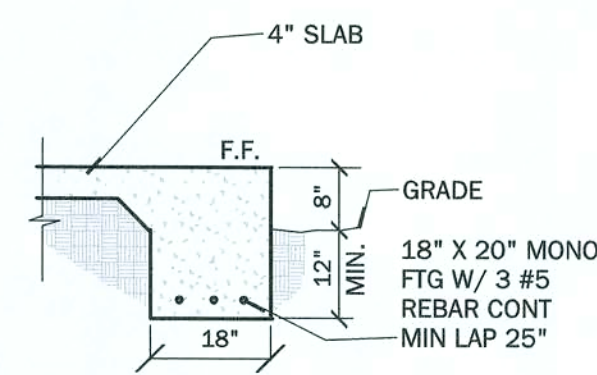
NOTE:
TRUSS TO MASONRY CONNECTORS
TO BE SIMPSON HETA-16 TYP. U.N.O.
TRUSS TO FRAME CONNECTORS
TO BE SIMPSON H10 TYP. U.N.O.

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

MARK	HOLD DOWN ANALYSIS	UPLIFT
	UNLESS NOTED OTHERWISE: 1.) ALL HARDWARE TO BE SIMPSON OR (USP) 2.) CMU CONNECTIONS = HETA16 W/ 9-10d x 1 1/2" OR (HTA 16 W/ 13-10d x 1 1/2") 3.) WOOD CONNECTIONS = H2.5 W/ 10 TOTAL 8d FROM OR UPLIFT TO 415# AND (RT3 W/ 8 TOTAL 8d FROM OR UPLIFT TO 415#) AND H10 W/ 14-10d OR (MTW 12 W/14-10d) FROM 416# UPLIFT TO 860# UPLIFT	1500#U
(A)	2 - HETA 16 W/ 12 - 16d EACH, OR (2 - HTA16 W/ 10 - 16d EACH) NOTE: ONE STRAP EACH FACE STAGGERED. FOR 1-PLY TRUSSES USE 13-10d x 1 1/2" NAILS.	1-PLY 2035 #U 2-PLY 2500 #U



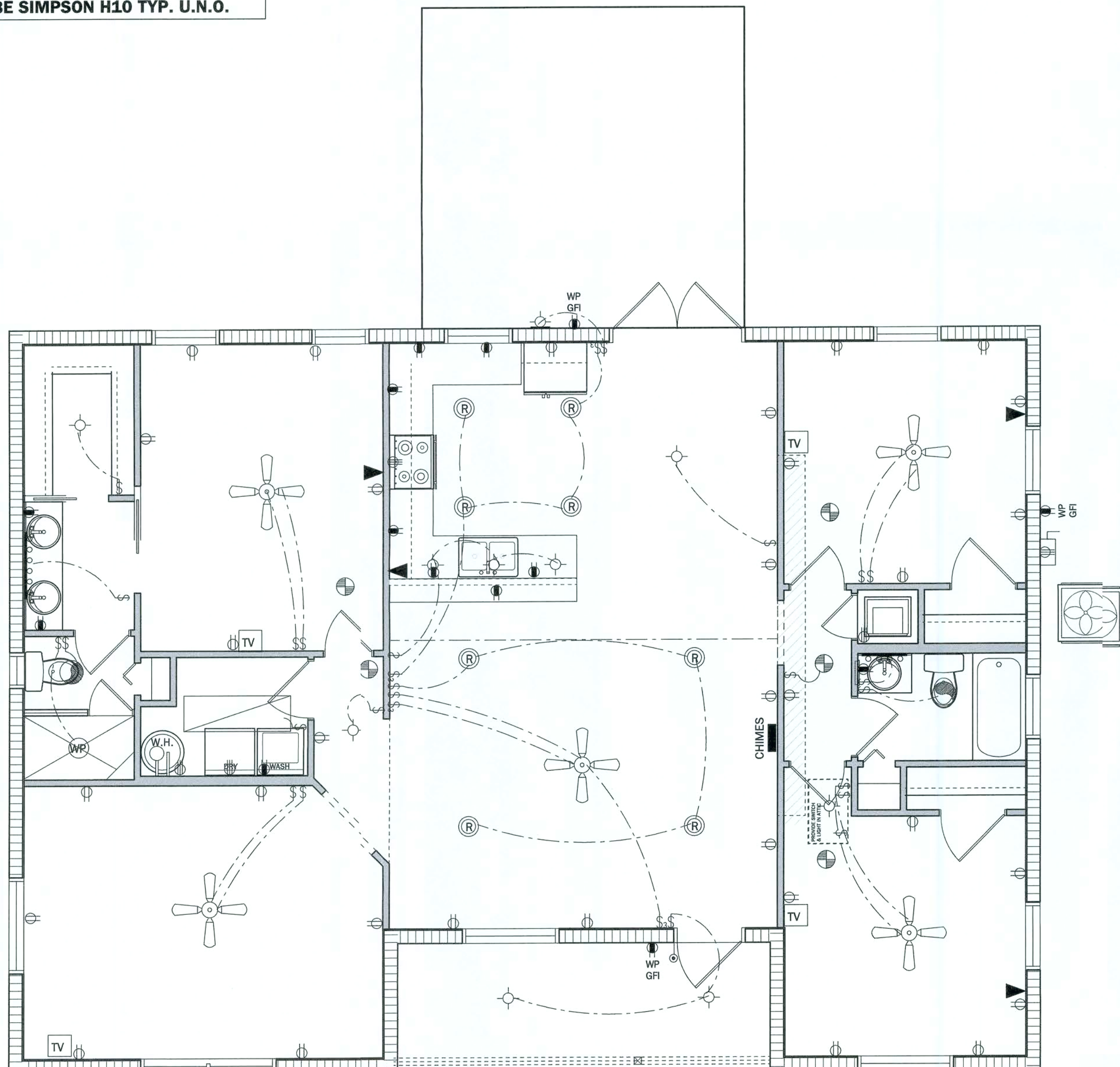
3 THICKENED EDGE
SCALE: 1/2" = 1'-0"



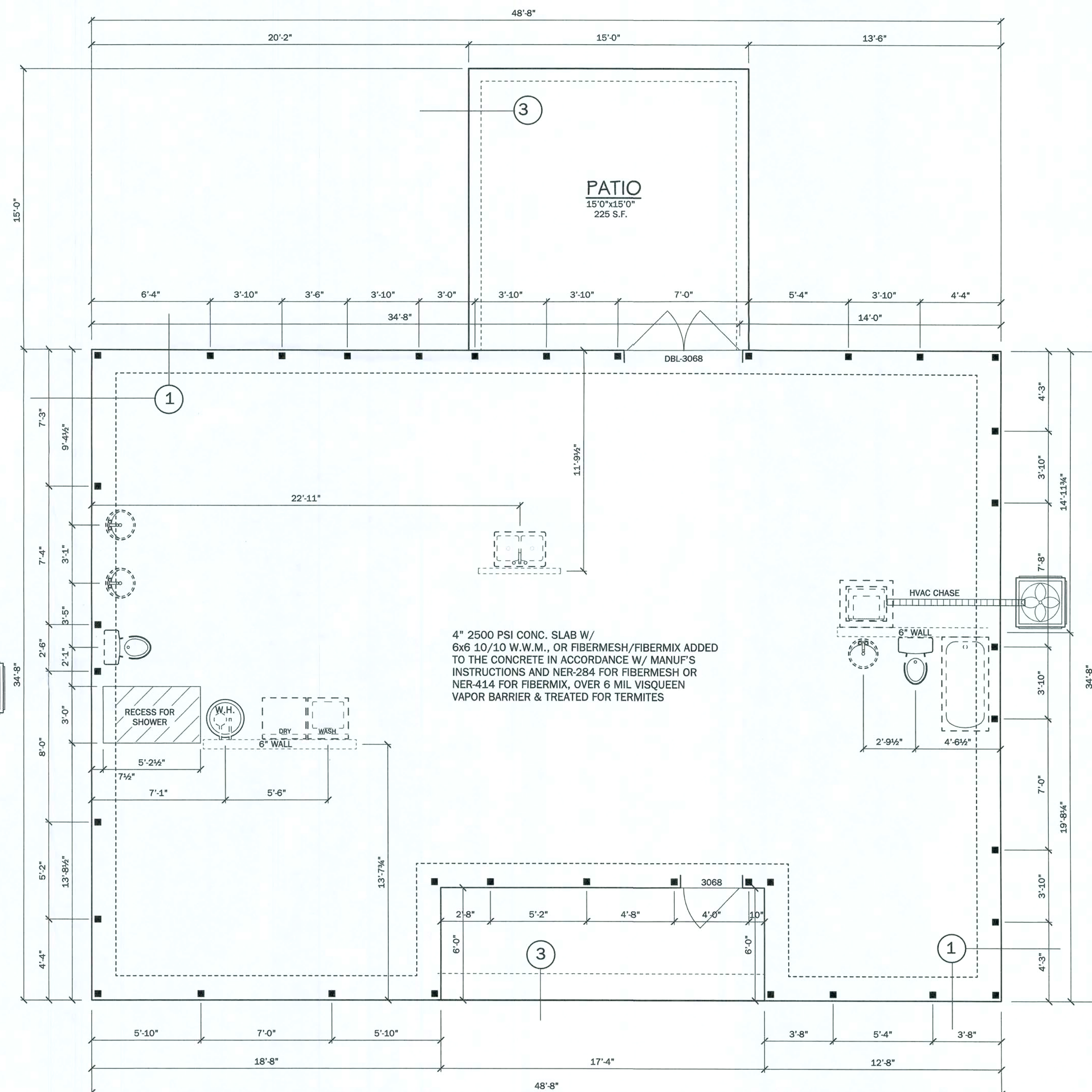
1 SINGLE STORY FTG BEARING
SCALE: 1/2" = 1'-0"

ELECTRICAL LEGEND	
1 SINGLE POLE SWITCH	1 CARBON MONOXIDE DETECTOR
2 DOUBLE POLE SWITCH	2 SMOKE DETECTOR
3 THREE-WAY SWITCH	3 FLOOD LIGHT
4 FOUR-WAY SWITCH	4 FLUORESCENT LIGHTING
5 DIMMER SWITCH	5 CEILING FAN
6 CEILING FIXTURE	6 SCOURGE (WALL MOUNTED) FIXTURE
7 110 VOLT SPLIT SWITCHED OUTLET	7 110 VOLT SPLIT SWITCHED OUTLET
8 GROUND FAULT INTERRUPTER	8 GROUND FAULT INTERRUPTER
9 WATER PROOF W/ GROUND FAULT	9 WATER PROOF W/ GROUND FAULT
10 220 VOLT OUTLET	10 220 VOLT OUTLET
11 SPECIAL SERVICES OUTLET	11 SPECIAL SERVICES OUTLET
12 T.V. CABLE OUTLET	12 T.V. CABLE OUTLET
13 TELEPHONE CABLE OUTLET	13 TELEPHONE CABLE OUTLET
14 RECESSED LIGHTING	14 RECESSED LIGHTING
15 5'-6" L.E.D. SURFACE MOUNT	15 5'-6" L.E.D. SURFACE MOUNT
16 BATH FAN	16 BATH FAN
17 BATH FAN W/ LIGHT	17 BATH FAN W/ LIGHT
18 DOOR BELL CHIMES	18 DOOR BELL CHIMES
19 DOOR BELL	19 DOOR BELL
20 DISPOSAL	20 DISPOSAL
21 DISCONNECT SWITCH	21 DISCONNECT SWITCH
22 PREWIRE SPEAKER	22 PREWIRE SPEAKER
23 JUNCTION BOX	23 JUNCTION BOX
24 THERMOSTAT	24 THERMOSTAT
25 LOW VOLTAGE LIGHTING	25 LOW VOLTAGE LIGHTING
26 INTERCOM SYSTEM	26 INTERCOM SYSTEM
27 GARAGE DOOR PUSH BUTTON	27 GARAGE DOOR PUSH BUTTON

NOTES:
UNLESS OTHERWISE NOTED
1. ELECTRICAL OUTLET HEIGHTS AS MEASURED FROM FINISHED FLOOR TO CENTERED LINE OF THE BOX TO BE: 12" AFF (GENERAL)
KITCHEN 44" AFF
BATHROOM 56" AFF
LAUNDRY ROOM 56" AFF
EXTERIOR WATERPROOF 12" AFF
GARAGE GENERAL PURPOSE 2" AFF
RANGE 2" AFF
2. ALL TRIM PLATES & DEVICES TO BE GANGED, WHERE POSSIBLE.
3. ELECTRICAL SWITCHES TO BE AT 42" CENTERLINE ABOVE FINISHED FLOOR.
4. 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.
5. SMOKE DETECTORS SHALL BE IN ACCORDANCE WITH FLORIDA BUILDING CODE, SECTION 907.
6. KEEP ALL SMOKE DETECTORS MINIMUM OF 36" FROM BATHROOM DOORS
7. IN NEW CONSTRUCTION, SMOKE DETECTORS SHALL BE HARDWIRED INTO AN A/C ELECTRICAL POWER SOURCE AND SHALL BE EQUIPPED WITH A MONITORED BATTERY BACKUP.
8. BATHROOM EXHAUST FANS MUST VENT TO THE EXTERIOR OF THE BUILDING. ATTIC SPACE AND SPOFFS ARE NOT ACCEPTABLE.
9. ALL DOORS AND WINDOWS PROVIDING DIRECT ACCESS FROM THE HOME TO THE POOL SHALL BE EQUIPPED WITH AN EXT ALARM COMPLYING WITH UL 2017 THAT HAS A MINIMUM SOUND PRESSURE RATING OF 85 DB AT 10 FEET, AND EITHER HARDWIRED OR OF THE PLUG-IN TYPE. THE EXT ALARM SHALL PRODUCE A CONTINUOUS AUDIBLE WARNING WHEN THE DOOR OR WINDOW ARE OPENED.
10. STOVE AND DRYER TO HAVE NEUTRAL.
11. PROVIDE TAMPER RESISTANT RECEPTACLES WHERE APPLICABLE
12. PROVIDE AFCI/FALC RECEPTACLES ON ALL 15 & 20 AMP NON GFCI PROTECTED CIRCUITS



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



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

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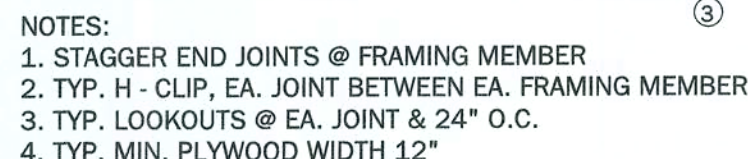
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1431 E. Wade Street, Suite B
Trenton, FL 32693
STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2017
FLORIDA BUILDING CODE. ANY AMENDMENTS TO THIS PLAN
SHALL BE MADE BY THE DESIGNER'S SIGNATURE.
RANDOLPH WIGGINS, P.E. # 15721
DATE: October 12, 2018

STEVE SMITH CONSTRUCTION
#0BC1256817
9651 NE 110th Ave Archer, FL 32618
(352) 486-4290

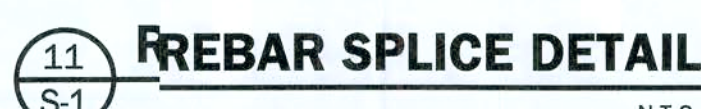
PROJECT:
Newton Residence
Ft White, FL
Columbia County

SHEET NO.
3 OF 4

LAST PLOT DATE: October 12, 2018
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S-1 N.T.S.



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