

INDEX OF DRAWINGS

SHT NO:

- COVER SHEET
FLOOR PLAN
ELEVATIONS
FOUNDATION PLAN
ELECTRICAL PLAN
TRUSS LAYOUT
DETAILS

20 PSF (REDUCIBLE)

2500 PSI
3000 PSI

- ASTM A1064/A1064M
ASTM A615-40 40,000 PS
ASTM A615-40 40,000 PS
MINIMUM 1.5 LBS. OF
FIBERS PER CUBIC YARD

FLOOR SHEATHING: T&G A-C GROUP 1 APA RATED (48/24)
WALL SHEATHING: PLYWOOD C-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 R
TOP CHORD LIVE LOAD:	20 PSF
TOP CHORD DEAD LOAD:	10 PSF
BOTTOM CHORD DEAD LOAD:	10 PSF
	40 PSF

WIND LOADING CRITERIA

**THIS DRAWING AND DESIGN IS VALID
FOR 12 MONTHS AFTER THE DATE IT
IS SIGNED AND SEALED OR WHILE
CURRENT CODE IS VALID**

IT IS THE INTENT OF THIS DESIGNER THAT THESE PLANS ARE ACCURATE AND ARE CLEAR ENOUGH FOR THE LICENSED PROFESSIONAL TO CONSTRUCT THIS PROJECT. IN THE EVENT THAT SOMETHING IS UNCLEAR OR NEEDS CLARIFICATION...STOP...AND CALL THE DESIGNER LISTED IN THIS TITLE PAGE. IT IS THE RESPONSIBILITY OF THE LICENSED PROFESSIONAL THAT IS CONSTRUCTING THIS PROJECT TO FULLY REVIEW THESE DOCUMENTS BEFORE CONSTRUCTION BEGINS AND ANY AND ALL CORRECTIONS, IF NEEDED, TO BE MADE BEFORE ANY WORK IS DONE.

***DO NOT SCALE DRAWINGS FOR CRITICAL DIMENSIONS**



SITE PLAN

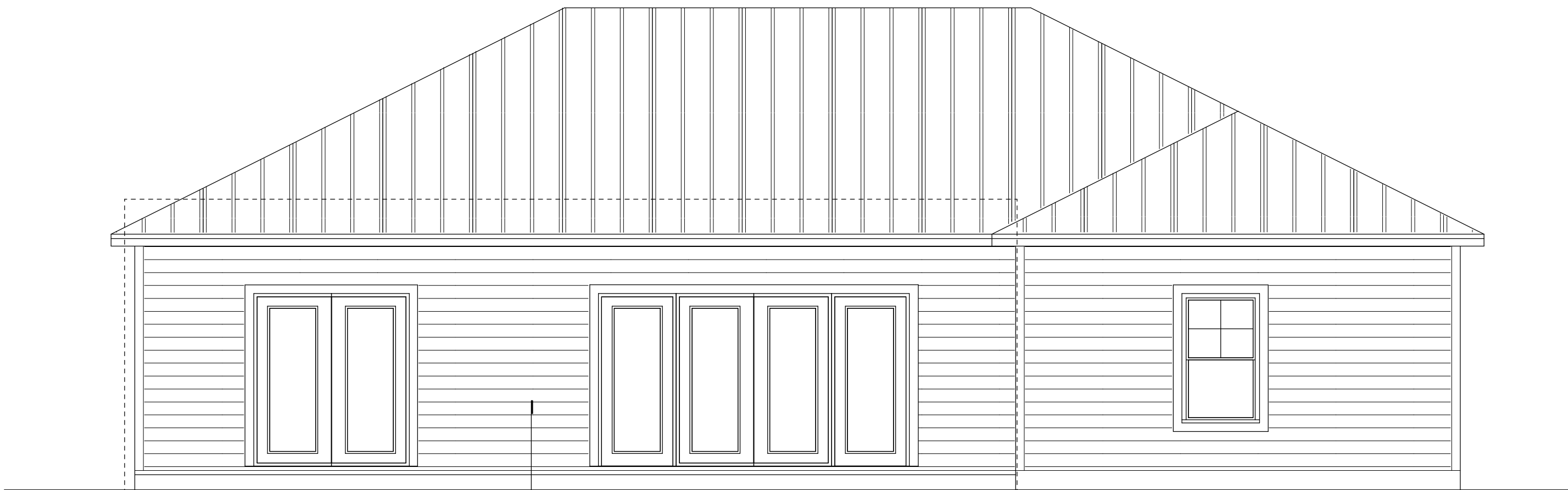
SCALE: N.T.S.



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



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



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



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

- (3) 2X SPF #2 STUDS IN WALLS - PROVIDE 5/8" S-1 FOR BASE CONNECTION
(4) 4x4 #2 SYP POST IN WALLS - PROVIDE 5/8" S-1 FOR BASE CONNECTION
(4) 6x6 #2 SYP POST IN WALLS - PROVIDE 5/8" S-1 FOR BASE CONNECTION

EXTERIOR WALL SHEATHING INFORMATION

NOTES:

- ALL EXTERIOR WALL SHEATHING TO BE MIN. 7/16" WINDSTORM OR EQ. MFG. APPROPRIATE LENGTH SUB-SIDING
- ALL WALL SECTIONS GREATER THAN 30% OF WALL HEIGHT AND WITH OPENING AREA LESS THAN 1 S.F. TO BE CONSIDERED SHEAR WALL SEGMENT
- NAILING PATTERN:
TOP PLATE: 8d@3" O.C.
LONG EDGE: 8d@6" O.C.
FIELD: 8d@12" O.C.
BOTTOM PLATE: 8d@3" O.C.

WALL LEGEND	
FRAMED WALL	
FRAMED SHEAR WALL	
BEARING WALL	
FRAMED WALL W/ SIDING	

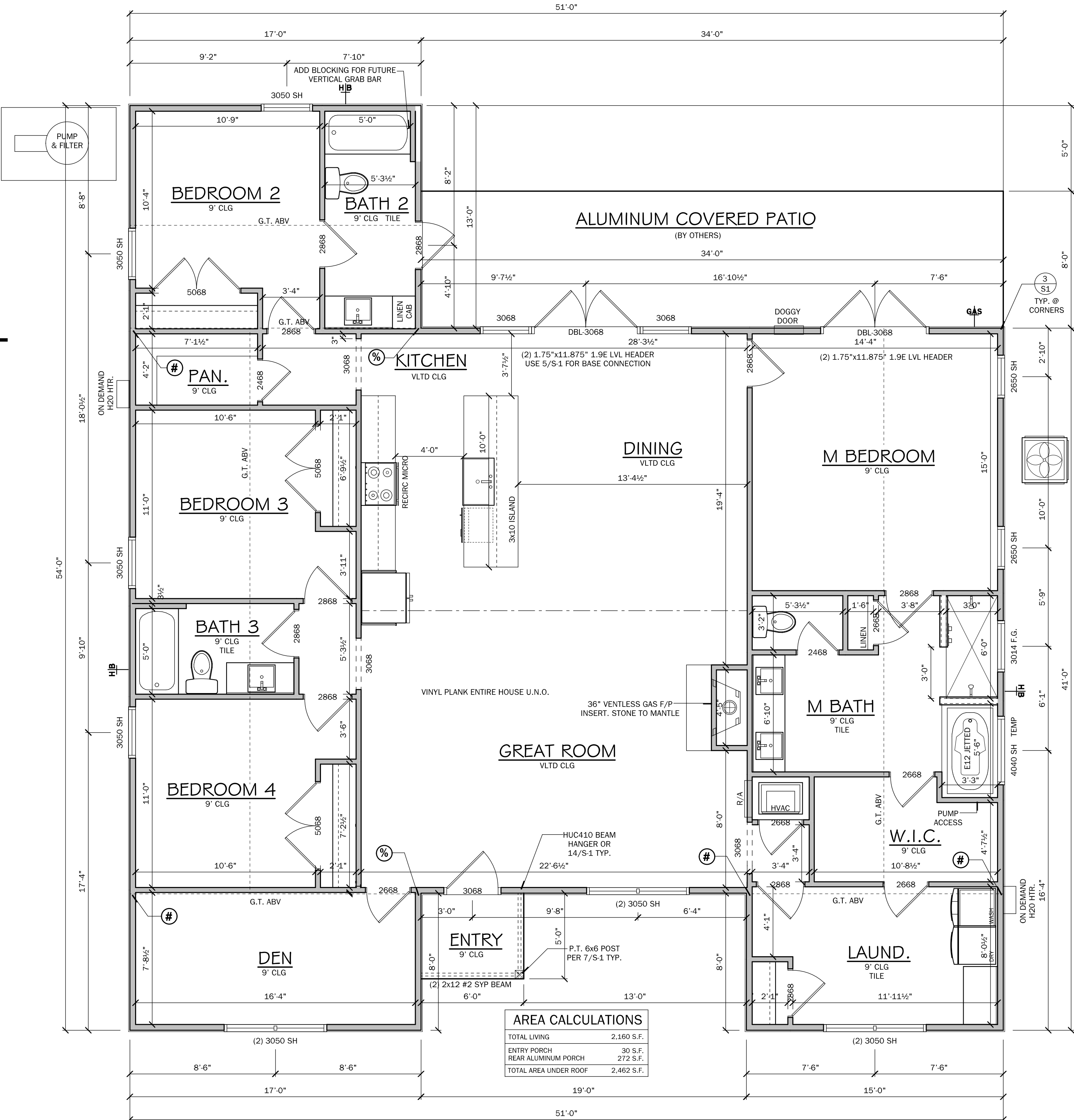
VENTILATION CALCULATION

FORMULA PER FBFC 2020 SEC 806.2= S.F. / 300 (1/300) / 2 (INTAKE vs EXHAUST) * 144 (TO CONVERT TO SQ. INCHES) = NET SQ. INCH REQUIREMENT

2190/300 = 7.3 / 2 = 3.7 * 144 = 533

533 SQ. INCHES OF VENTILATION REQUIRED

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



AREA CALCULATIONS	
TOTAL LIVING	2,160 S.F.
ENTRY PORCH	30 S.F.
REAR ALUMINUM PORCH	272 S.F.
TOTAL AREA UNDER ROOF	2,462 S.F.

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

Residential Design

1431 E. Wade Street
Trenton, FL 32693
352-274-3006
tchdesigns@gmail.com

10G

A B D

RANDOLPH WIGGINS, P.E.

1431 E. Wade Street, Suite B Trenton, FL 32693
STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE
FLORIDA BUILDING CODE (FBC) 2020 EDITION
SIGNATURE AND SEAL REQUIRED ONLY ON SHEETS
FOR PERMITS AND RECORDS

RANDOLPH WIGGINS, P.E. FL # 17721
DATE: 04/13/2021

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Building Homes, Building Relationships

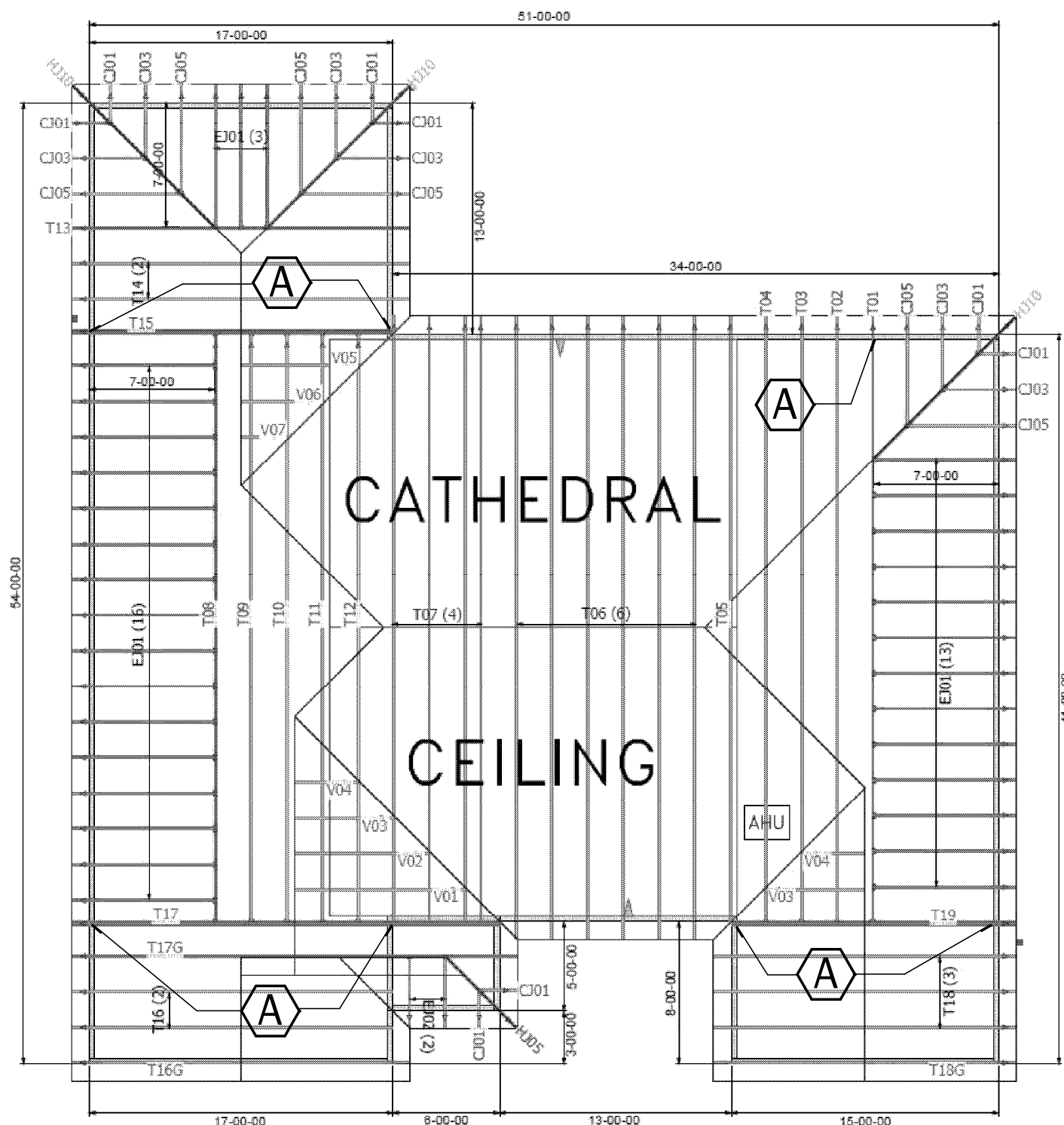
WADE CUSTOM HOMES

1431 E. Wade St.
Trenton, FL 32693
352-949-3785
CRC1331070
www.wadecustomhomes.com

PROJECT:
Nelson Residence
SW Durant St
High Springs, FL
Columbia County

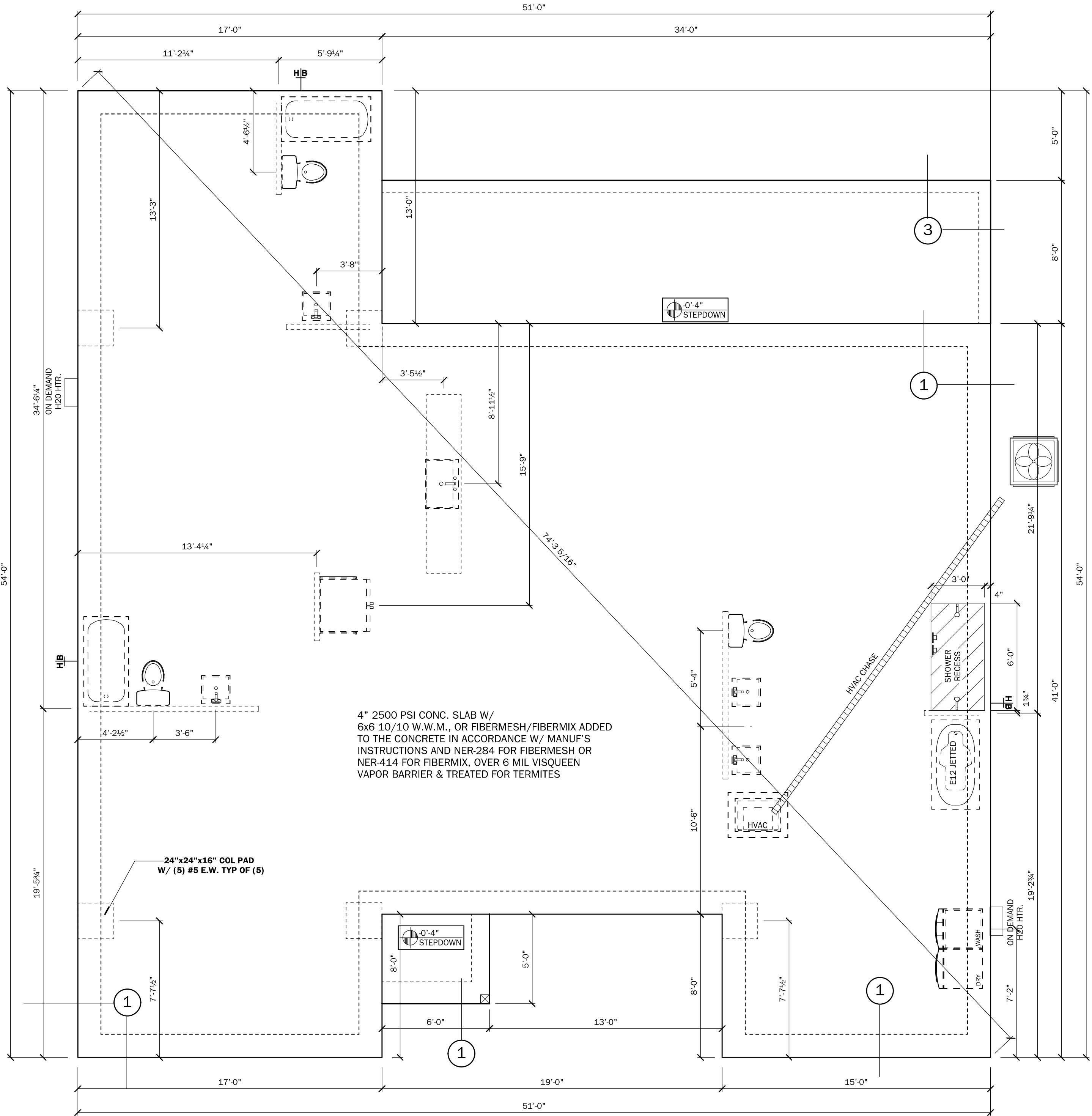
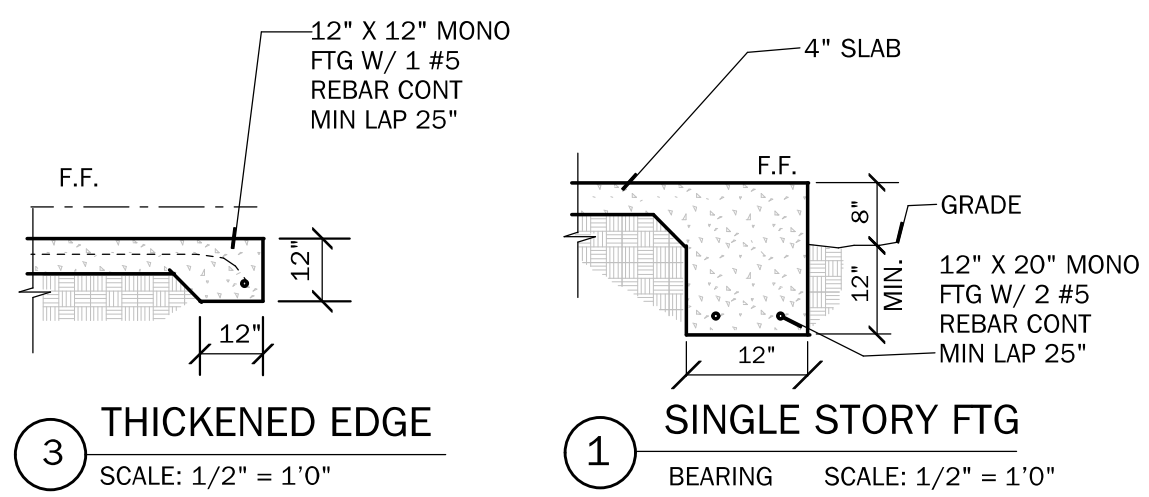
SHEET NO.
2 OF 4

LAST PLOT DATE: April 13, 2021
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ROOF PLAN
SCALE: 1/8" = 1'-0"

MARK	HOLD DOWN ANALYSIS	UPLIFT
	UNLESS NOTED OTHERWISE PROVIDE APPROPRIATE CONNECTOR PER CHART AND PROVIDED TRUSS ENGINEERING 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 HCP (HIP TRUSS) 12-10dX1-1/2" NAILS	365# 400# 850# 645#
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

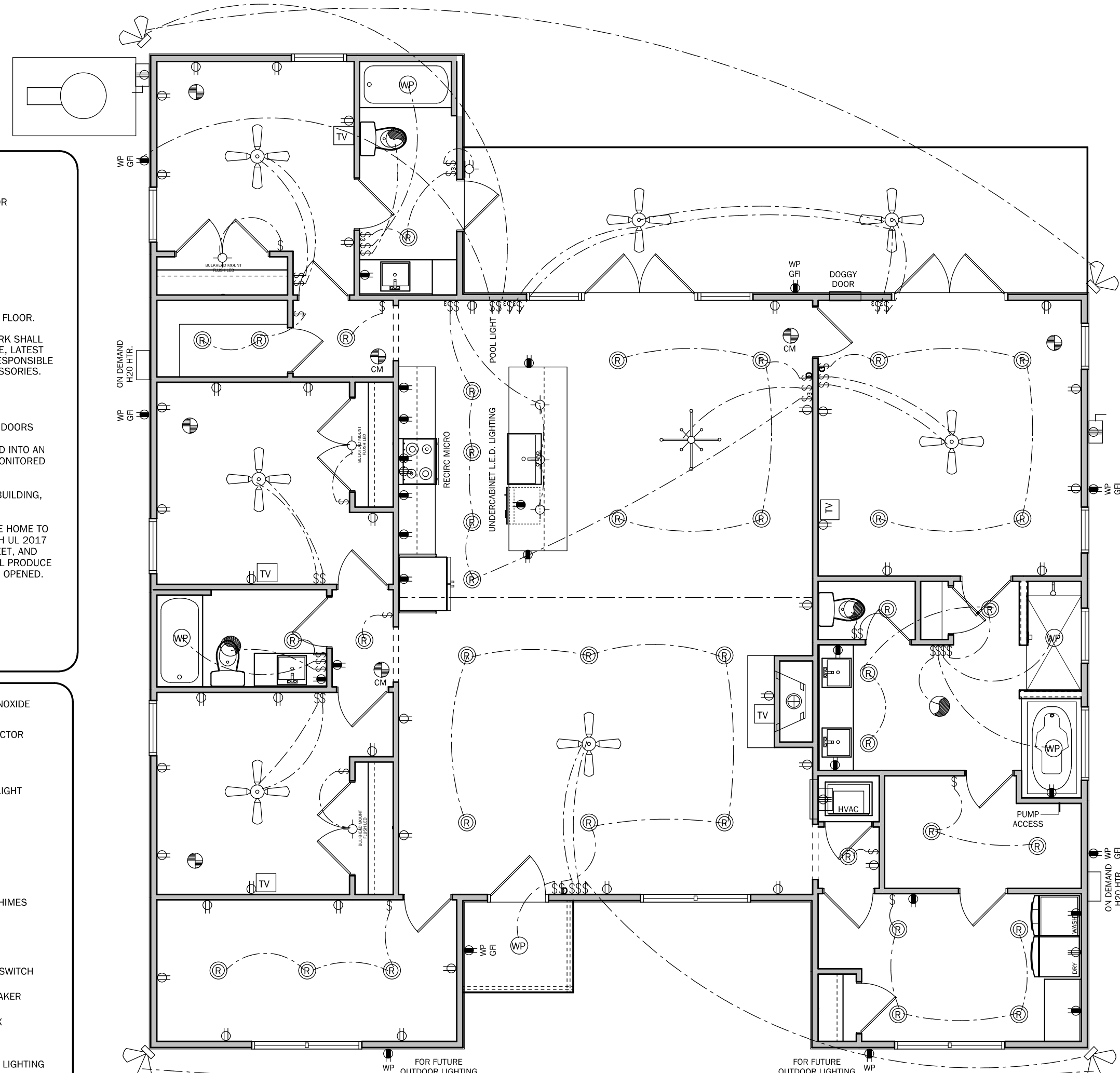


FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

- NOTES:**
UNLESS OTHERWISE NOTED
- ELECTRICAL OUTLET HEIGHTS AS MEASURED FROM FINISHED FLOOR TO CENTERED LINE OF THE BOX TO BE: 12" AFF (GENERAL)
KITCHEN 44" AFF
BATHROOM 36" AFF
LAUNDRY ROOM 36" AFF
EXTERIOR WATERPROOF 12" AFF
GARAGE GENERAL PURPOSE 42" AFF
RANGE 2" AFF
 - 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.
 - 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 TAMPER RESISTANT RECEPTACLES WHERE APPLICABLE
 - PROVIDE ARC-FAULT RECEPTACLES ON ALL 15 & 20 AMP NON GFCI PROTECTED CIRCUITS

ELECTRICAL LEGEND

\$	SINGLE POLE SWITCH	CD	CARBON MONOXIDE DETECTOR
\$2	DOUBLE POLE SWITCH	SD	SMOKE DETECTOR
\$3	THREE-WAY SWITCH	FL	FLOOD LIGHT
\$4	FOUR-WAY SWITCH	LS	L.E.D STRIP LIGHT
\$DM	DIMMER SWITCH	CF	CEILING FAN
CF	CEILING FIXTURE	DC	DOOR BELL CHIMES
SC	SCOURCE (WALL MOUNTED) FIXTURE	DB	DOOR BELL
110	110 VOLT DUPLEX OUTLET	DISP	DISPOSAL
110	110 VOLT SPLIT SWITCHED OUTLET	DISC	DISCONNECT SWITCH
GFI	GROUND FAULT INTERRUPT	PS	PREWIRE SPEAKER
WP	WATER PROOF W/ GROUND FAULT	JB	JUNCTION BOX
220	220 VOLT OUTLET	T	THERMOSTAT
SS	SPECIAL SERVICES OUTLET	LV	LOW VOLTAGE LIGHTING
TV	T.V. CABLE OUTLET	IS	INTERCOM SYSTEM
TE	TELEPHONE CABLE OUTLET	GB	GARAGE DOOR PUSH BUTTON
RL	RECESSED LIGHTING		
5-6"	5-6" L.E.D. SURFACE MOUNT		
BF	BATH FAN		
BF	BATH FAN W/ LIGHT		



ELECTRICAL PLAN
SCALE: 3/16" = 1'-0"

Residential Design

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RANDOLPH WIGGINS, P.E.

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STANDARD DESIGN IS IN ACCORDANCE WITH THE
FLORIDA BUILDING CODE, SECTION 907
FOR THE PROJECT ONLY

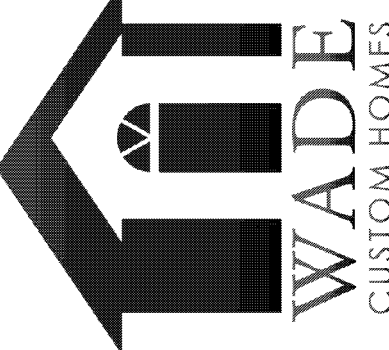
RANDOLPH WIGGINS, P.E. FL # 12721
DATE: 11.13.2021

Randolph Wiggins

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Building Homes,
Building Relationships

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PROJECT:
Nelson Residence

SW Durant St
High Springs, FL
Columbia County

LAST PLOT DATE: April 13, 2021

SHEET NO.

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CONNECTOR LEGEND

SIDE OF EACH OPENING WITHIN

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NOTES:

NTS