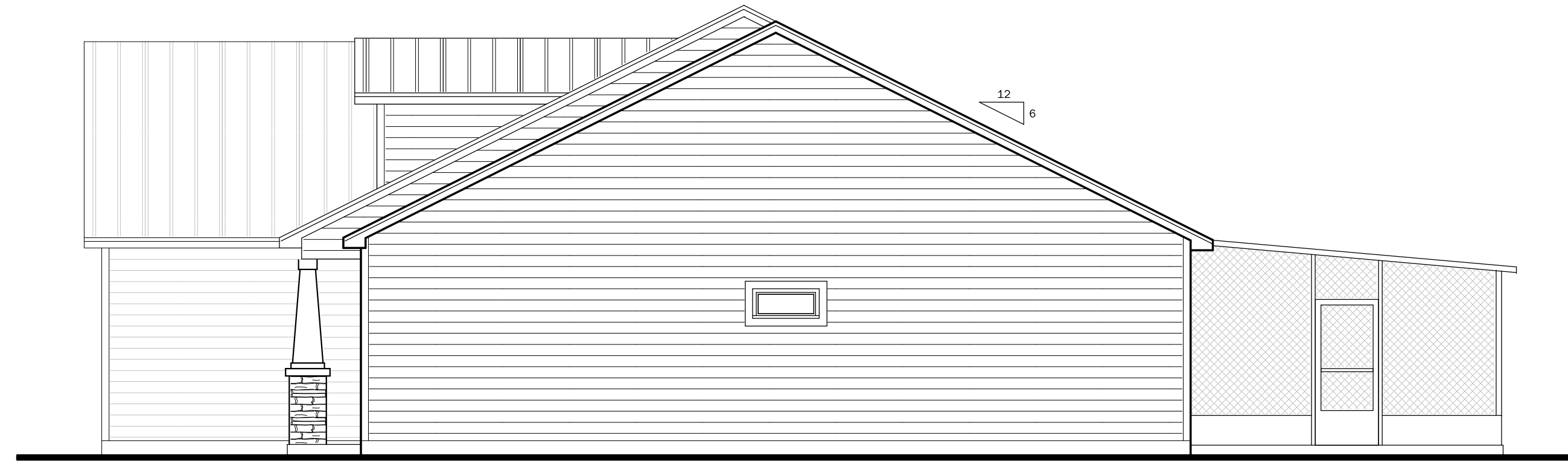






LEFT ELEVATION  
SCALE: 3/16" = 1'-0"



RIGHT ELEVATION  
SCALE: 3/16" = 1'-0"



REAR ELEVATION  
SCALE: 3/16" = 1'-0"



FRONT ELEVATION  
SCALE: 3/16" = 1'-0"

EXTERIOR WALL SHEATHING INFORMATION

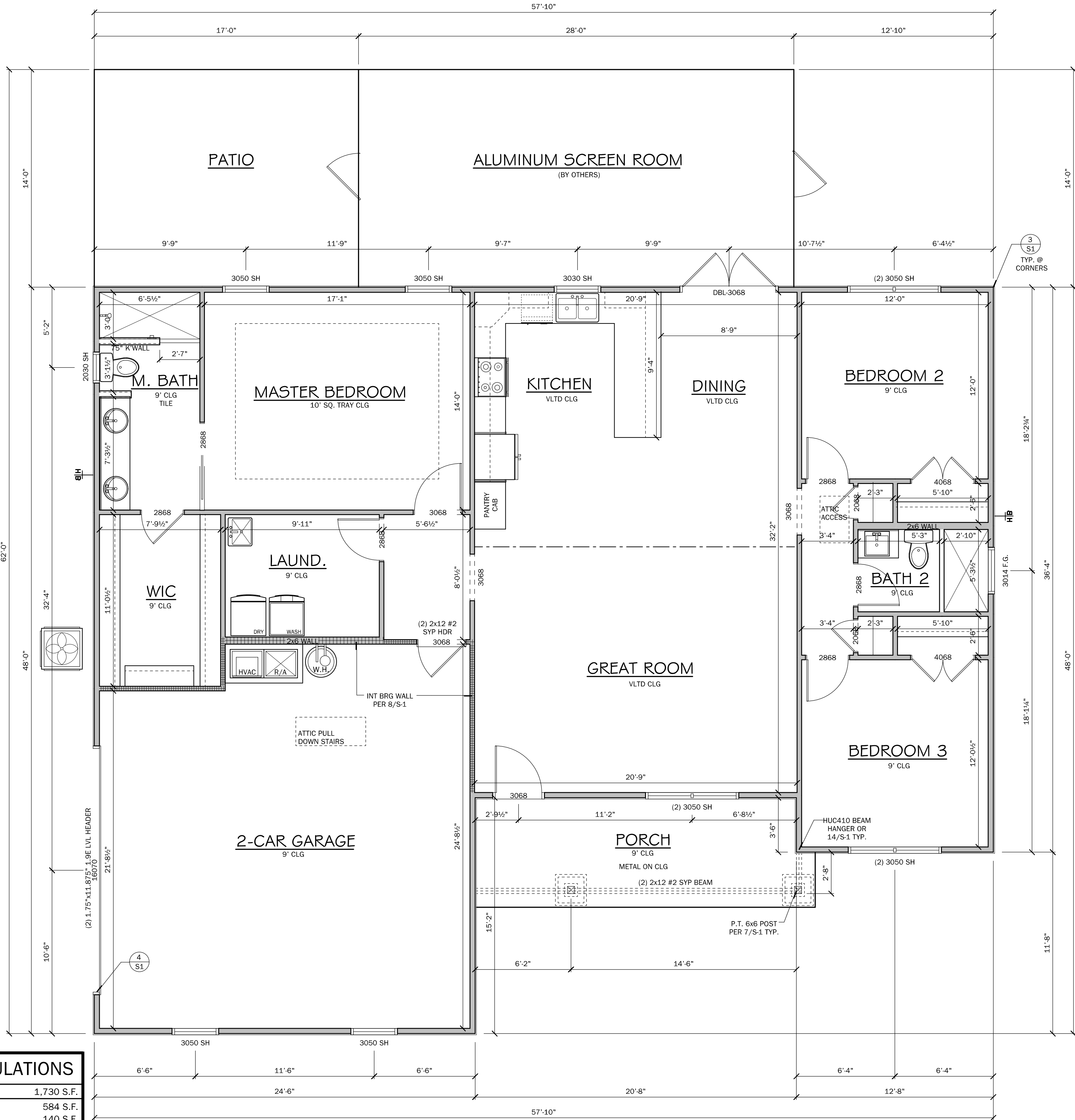
NOTES:  
1. ALL EXTERIOR WALL SHEATHING TO BE MIN. 7/16" WINDSTORM OR EQ. MFG. APPROPRIATE LENGTH SUB-SIDING  
2. ALL WALL SECTIONS GREATER THAN 30% OF WALL HEIGHT AND WITH OPENING AREA LESS THAN 1 S.F. TO BE CONSIDERED SHEAR WALL SEGMENT  
3. NAILING PATTERN:  
TOP PLATE: 8d@3" O.C.  
LONG EDGE: 8d@6"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

WALL LEGEND

NOTE: 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 2.16

VENTILATION CALCULATION  
FORMULA PER FRBC 2020 SEC 806.2= S.F. / 300 (1/300) / 2 (INTAKE vs EXHAUST) \* 144 (TO CONVERT TO SQ. INCHES) = NET SQ. INCH REQUIREMENT  
2454/300 = 8.1 / 2 = 4 \* 144 = 576  
576 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



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

| AREA CALCULATIONS     |            |
|-----------------------|------------|
| TOTAL LIVING          | 1,730 S.F. |
| GARAGE                | 584 S.F.   |
| ENTRY PORCH           | 140 S.F.   |
| ALUMINUM SCREEN PORCH | 392 S.F.   |
| TOTAL AREA UNDER ROOF | 2,846 S.F. |

Residential Design

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

1431 E. Wade Street, Suite B Trenton, FL 32693

STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC) AND ALL APPLICABLE CODES. THIS DESIGN IS FOR THE STRUCTURAL DESIGN ONLY. SIMILAR DESIGN OR ANY SHEET IS VALID ONLY FOR THE STRUCTURAL DESIGN.

RANDOLPH WIGGINS, P.E. # 13721  
DATE: 2021.06.17

Randolph Wiggins

2021.06.17

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Building Relationships

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Trenton, FL 32693  
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CRC1331070  
www.wadecustomhomes.com

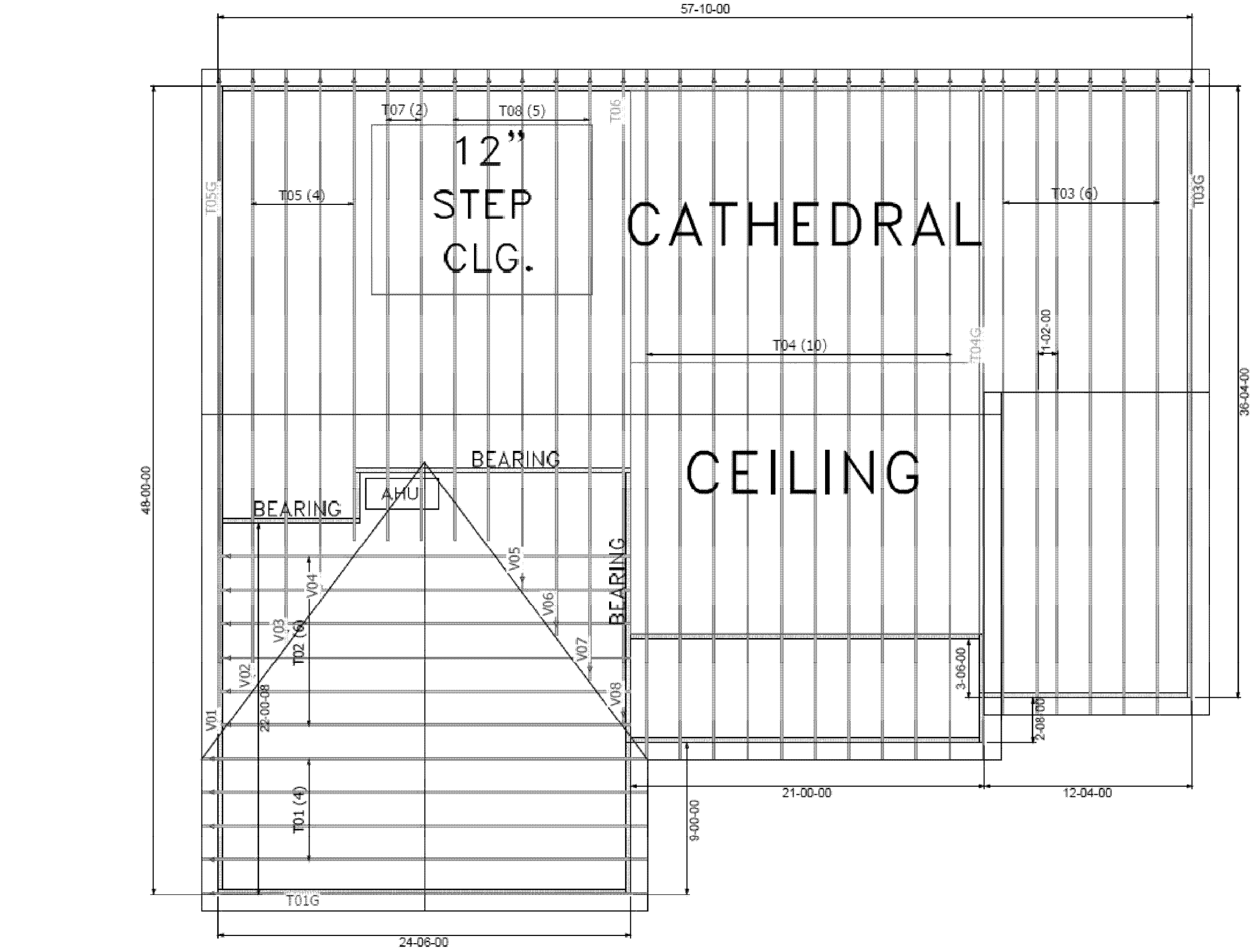
PROJECT:  
Speicher Residence  
Lot 37 Soxwood Sub  
Ft White, FL  
Columbia County

LAST PLOT DATE: June 17, 2021

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SHEET NO.

2  
OF  
4



| MARK | HOLD DOWN ANALYSIS                                                                                                                                                                                                                                                     | UPLIFT                       |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
|      | <b>UNLESS NOTED OTHERWISE PROVIDE APPROPRIATE CONNECTOR PER CHART AND PROVIDED TRUSS ENGINEERING</b><br>WOOD CONNECTIONS =<br>H2.5 W/ 10-8d NAILS<br>H1 W/ 10-8d NAILS<br>H10 W/ 16-8d NAILS OR<br>MTS12 W/ 14-10dX1-1/2" NAILS<br>HCP (HIP TRUSS) 12-10dX1-1/2" NAILS | 365#<br>400#<br>850#<br>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                      |

**ELECTRICAL LEGEND**

1 SINGLE POLE SWITCH  
2 DOUBLE POLE SWITCH  
3 THREE-WAY SWITCH  
4 FOUR-WAY SWITCH  
DIM DIMMER SWITCH

CEILING FIXTURE  
SOUND (WALL MOUNTED) FIXTURE  
110 VOLT DUPLEX OUTLET  
110 VOLT SPLIT SWITCHED OUTLET  
GROUND FAULT INTERRUPT  
WATER-PROOF W/ GROUND FAULT  
220 VOLT OUTLET  
SPECIAL SERVICES OUTLET  
T.V. CABLE OUTLET  
TELEPHONE CABLE OUTLET  
RECESSED LIGHTING  
5'-6" L.E.D. SURFACE MOUNT  
BATH FAN  
BATH FAN W/ LIGHT

CARBON MONOXIDE DETECTOR  
SMOKE DETECTOR  
FLOOD LIGHT  
L.E.D. STRIP LIGHT  
CEILING FAN  
DOOR BELL CHIMES  
DOOR BELL  
DISPOSAL  
DISCONNECT SWITCH  
PREWIRE SPEAKER  
JUNCTION BOX  
THERMOSTAT  
LOW VOLTAGE LIGHTING  
INTERCOM SYSTEM  
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 36" AFF  
LANDING ROOM 36" AFF  
EXTERIOR WATERPROOF GARAGE GENERAL PURPOSE RANGE 42" AFF  
7" 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.

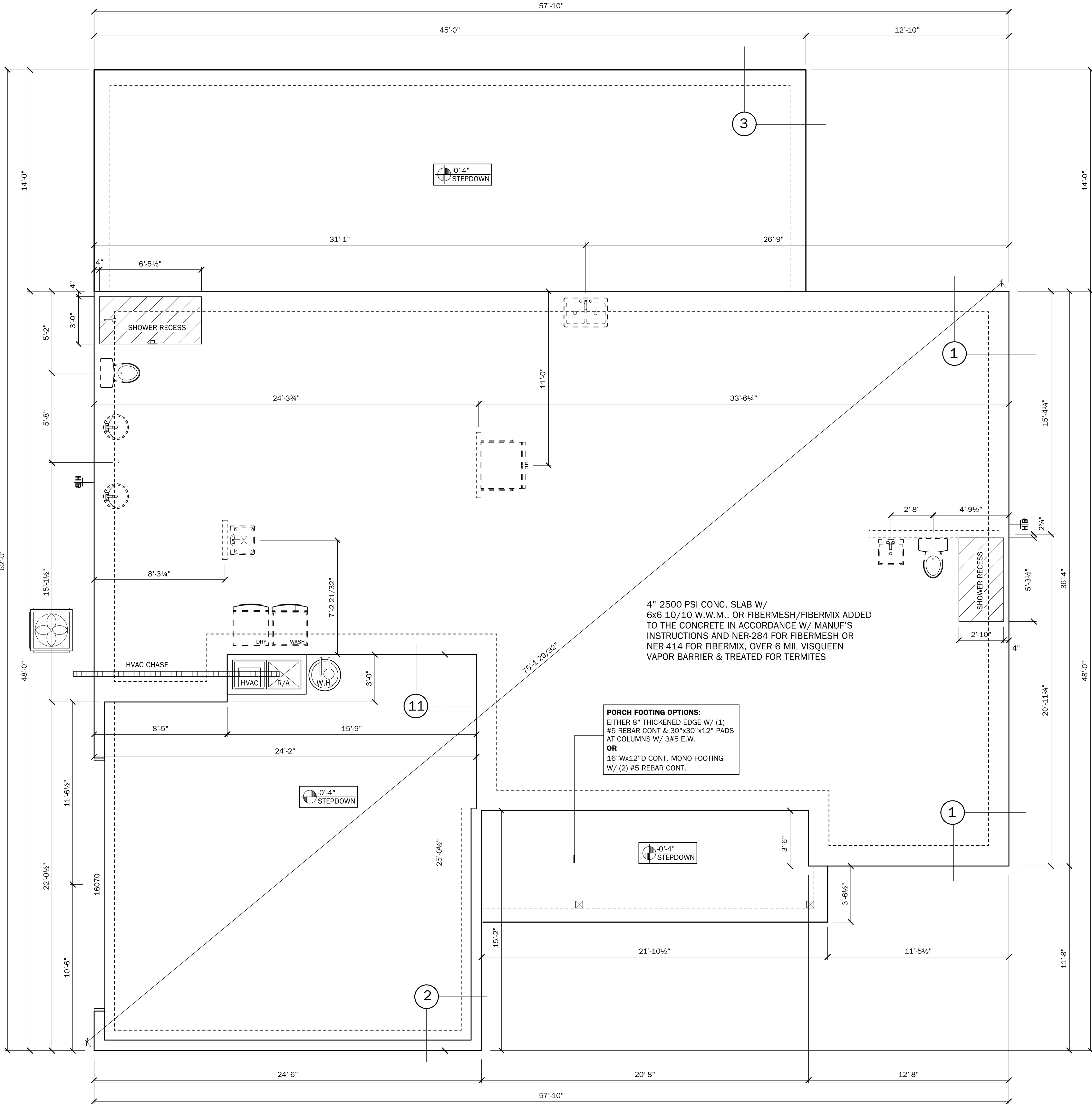
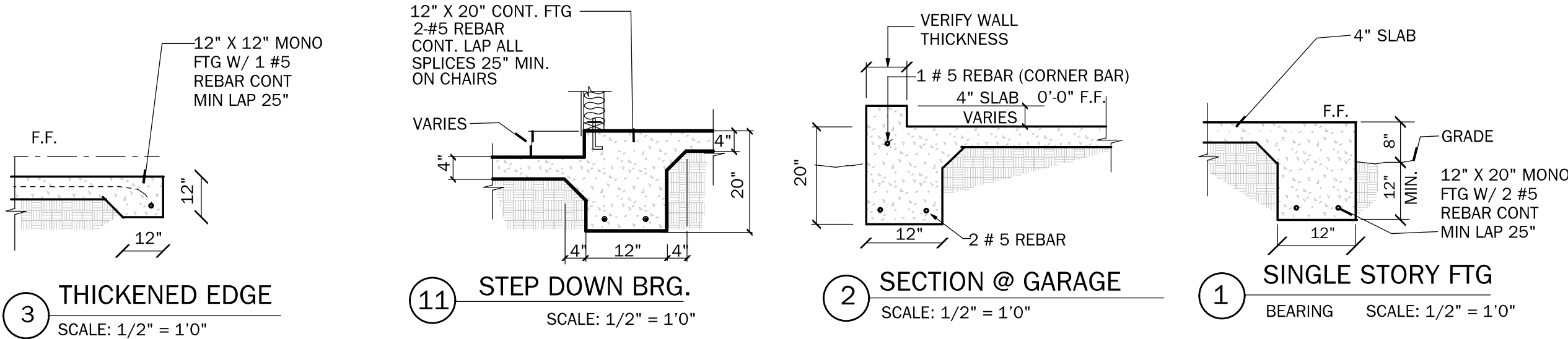
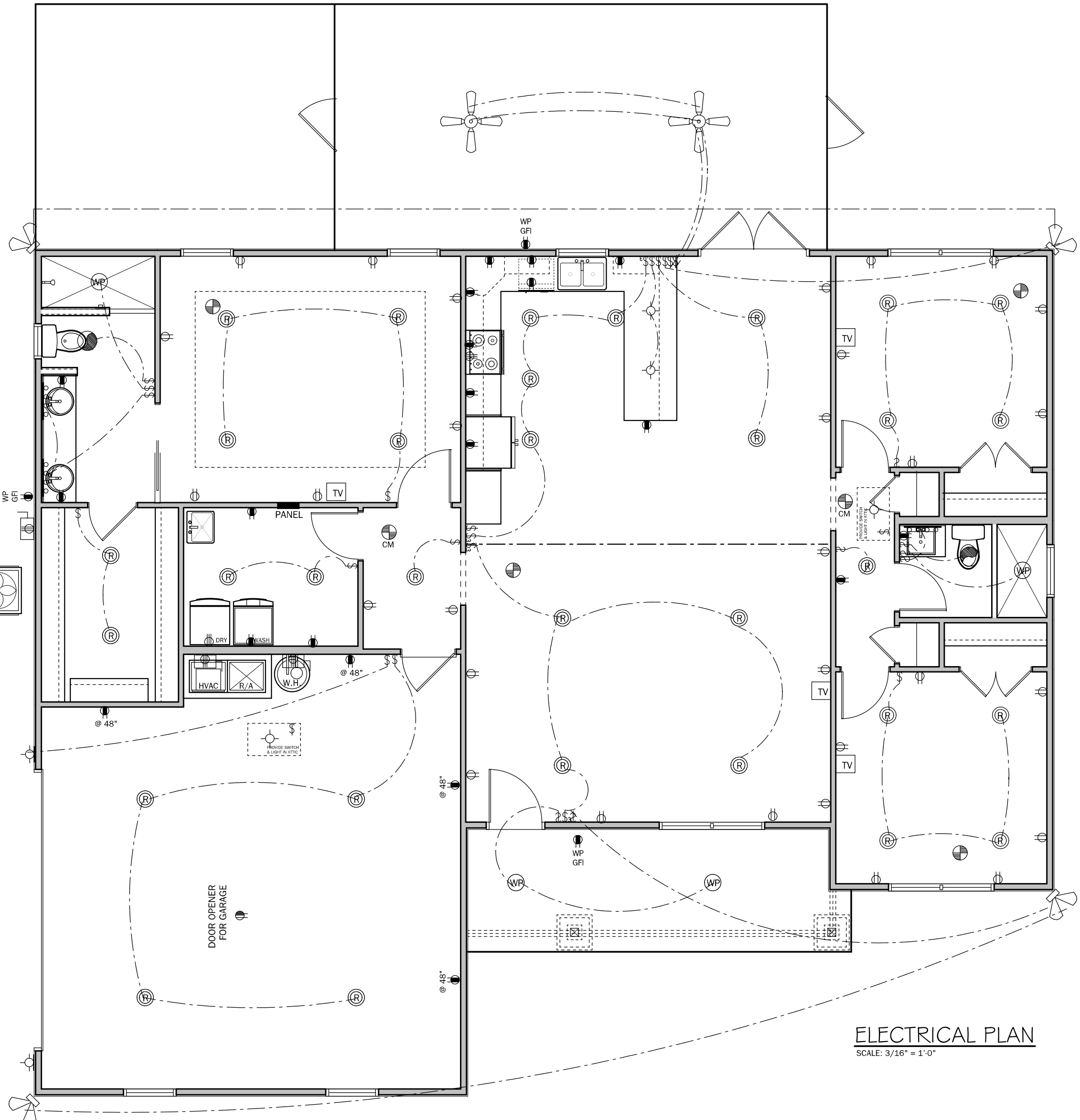
7. IN NEW CONSTRUCTION, SMOKE DETECTORS SHALL BE HARDWIRED INTO AN A.C. ELECTRICAL POWER SOURCE AND SHALL BE EQUIPPED WITH A MONITORED BATTERY BACKUP.

8. BATHROOM EXHAUST FANS MUST VENT TO THE EXTERIOR OF THE BUILDING. ATTIC SPACE AND SOFFITS ARE NOT ACCEPTABLE.

11. 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.

12. STOVE AND DRYER TO HAVE NEUTRAL.

13. PROVIDE TAMPER RESISTANT RECEPTACLES ON ALL 15 & 20 AMP NON GFCI PROTECTED CIRCUITS



**Residential Design**

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CAD PLAN ENTRY  
PLAN REVISIONS  
CUSTOM DESIGNS

**A B D**

**RANDOLPH WIGGINS, P.E.**

1431 E. Wade Street, Suite B Trenton, FL 32693  
STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE  
SIMULATED SEA OR AIR SHEET IS VALID ONLY  
FOR THE STRUCTURAL DESIGN

RANDOLPH WIGGINS, P.E. FL # 15721  
06/17/2021

**Randolph Wiggins**  
2021.06.17  
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-04'00'

**Building Homes,  
Building Relationships**

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CUSTOM HOMES

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**PROJECT:**  
**Speicher Residence**  
**Lot 37 Soxwood Sub**  
**Ft White, FL**  
**Columbia County**

**SHEET NO.**  
**3**  
**OF**  
**4**

LAST PLOT DATE: June 17, 2021  
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