

INDEX OF DRAWINGS

TITLE

- BOTTOM CHORD ATTIC LIVE LOAD: 10 PSF

WHERE PROJECT IS TO BE LOCATED IN KNOWN RADON GAS PREVALENT AREAS, APPENDIX "F" OF THE 2017 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.

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 - D1557

[illegible]

WIND SPEED (ULTIMATE)	130 MPH
WIND SPEED (ALLOWABLE)	101 MPH
EXPOSURE CATEGORY	B
BUILDING CATEGORY	II
BUILDING TYPE	V
ENCLOSURE CLASSIFICATION	ENCLOSURE
INTERNAL PRESSURE COEFFICIENT	+/- 0.18

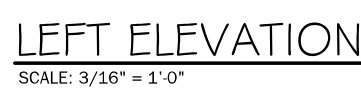
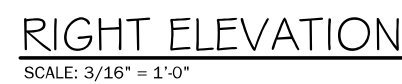
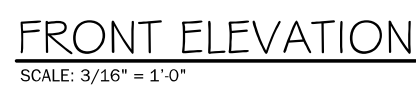
**THIS DRAWING AND DESIGN IS VALID
FOR 12 MONTHS AFTER THE DATE IT
IS SIGNED AND SEALED OR WHILE
CURRENT CODE IS VALID**

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 FULFILL ALL THE REQUIREMENTS 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. INSTEAD CALL THE DESIGNER LISTED IN TITLE PAGE

SHEET NO.

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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

WALL LEGEND

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

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

1980/300 = 6.6 /2 =3.3 * 144 = 475
475 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

- (★) (3) 2X SPF #2 STUDS
 IN WALLS . PROVIDE
 5/S-1 FOR BASE
 CONNECTION
 (#) 6x6 #2 SYP POST
 IN WALLS . PROVIDE
 5/S-1 FOR BASE
 CONNECTION
 (%) 5.25x5.25 1.8E PSL COLUMN
 IN WALLS . PROVIDE
 5/S-1 FOR BASE
 CONNECTION

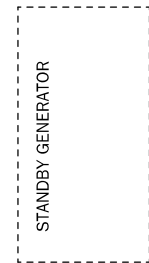
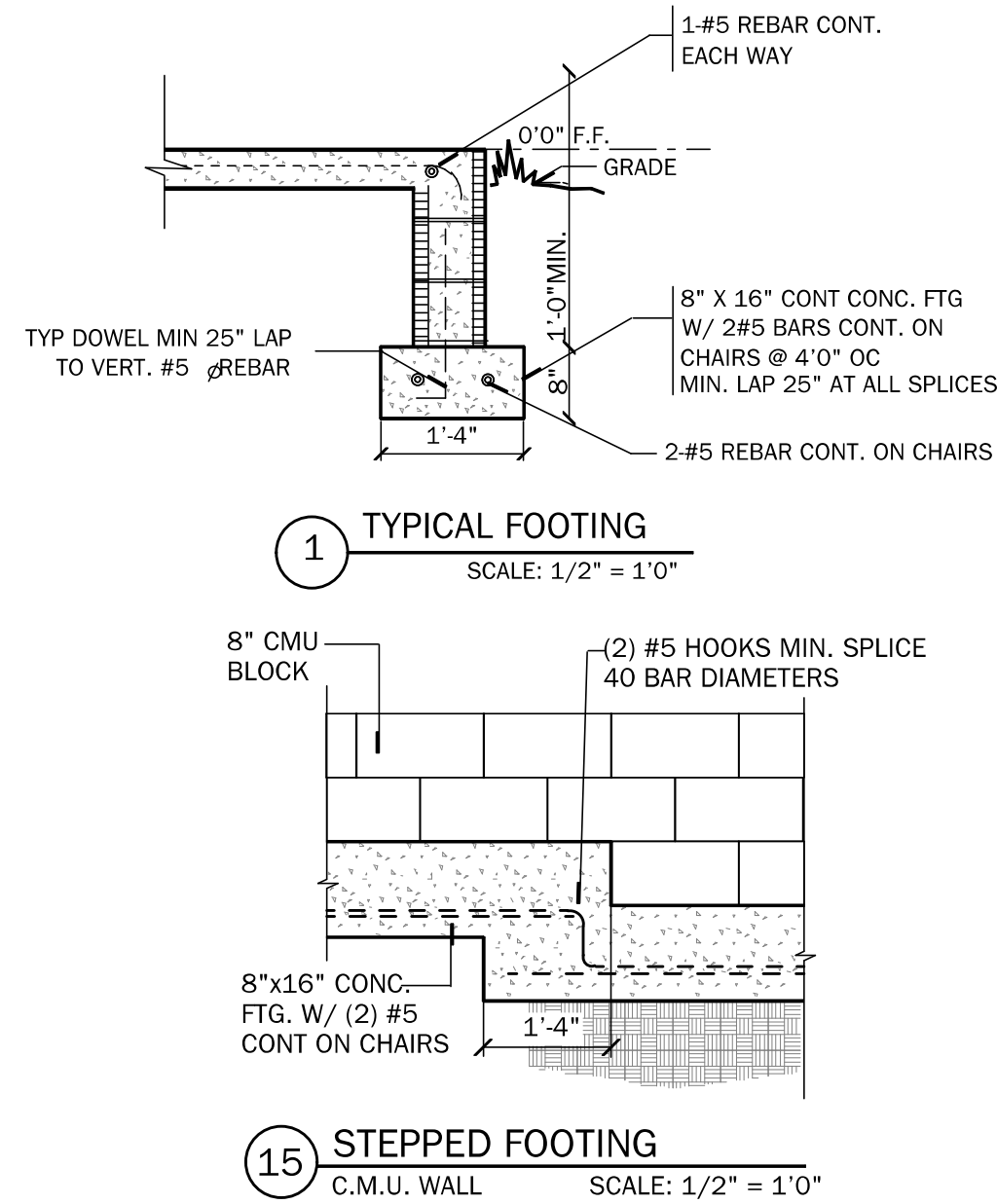
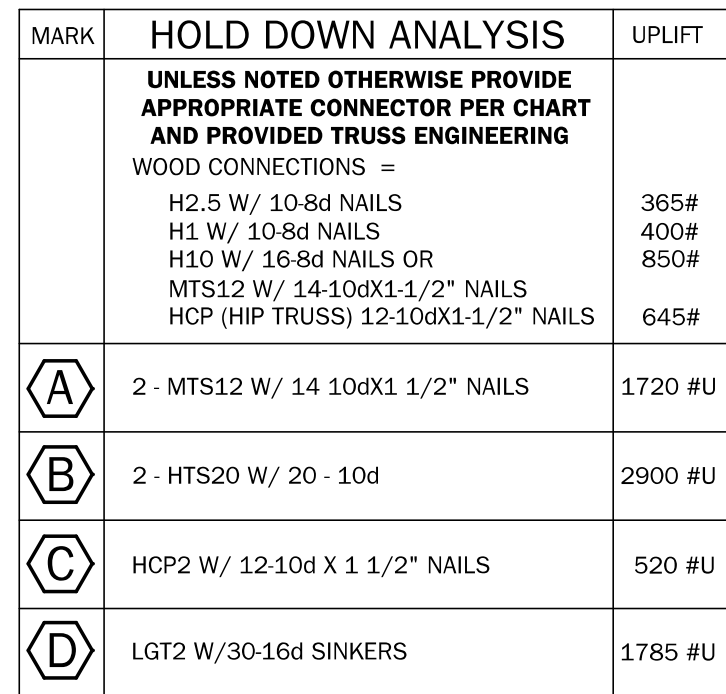
EXTERIOR WALL SHEATHING INFORMATION

NOTES:

1. ALL EXTERIOR WALL SHEATHING TO BE MIN. 7/16" WINDSTORM OR EQ. MFR. 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.

AREA CALCULATIONS

TOTAL LIVING	1,628 S.F.
FRONT PORCH	352 S.F.
BREEZEWAY	30 S.F.
POLE BARN	864 S.F.
TOTAL AREA UNDER ROOF	2,874 S.F.



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

NOTES:

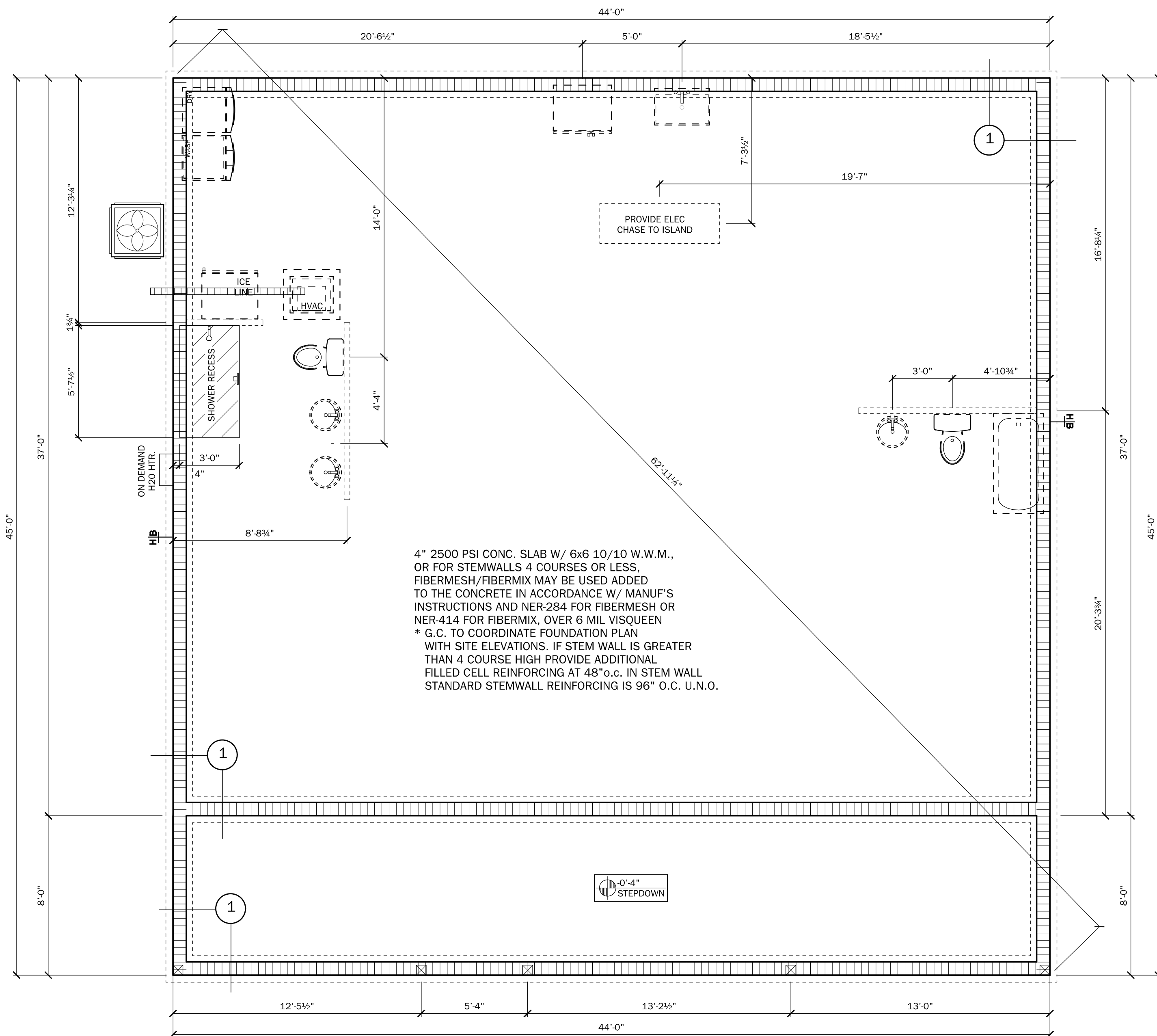
UNLESS OTHERWISE NOTED

1. ELECTRICAL OUTLET HEIGHTS AS MEASURED FROM FINISHED FLOOR TO CENTERED LINE OF THE BOX TO BE: 12" AFF (GENERAL)
2. ELECTRICAL PANELS TO BE:

BATHROOM	3'0" AFF
LAUNDRY ROOM	3'6" AFF
EXTERIOR WATERPROOF	4'0" AFF
GARAGE GENERAL PURPOSE	4'2" AFF
RANGE	2'4" AFF
3. ALL TRIM PLATES & DEVICES TO BE GANGED, WHERE POSSIBLE.
4. ELECTRICAL SWITCHES TO BE AT 42" CENTERLINE ABOVE FINISHED FLOOR.
5. ELECTRICAL PLAN IS INTENDED FOR BID PURPOSES ONLY. ALL WORK SHALL BE DONE IN 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.
6. SMOKE DETECTORS SHALL BE IN ACCORDANCE WITH FLORIDA BUILDING CODE, SECTION 907.
7. KEEP ALL SMOKE DETECTORS MINIMUM OF 36" FROM BATHROOM DOORS.
8. IN NEW CONSTRUCTION, SMOKE DETECTORS SHALL BE HARDWIRED INTO AN EXISTING OR NEW POWER SOURCE AND SHALL BE EQUIPPED WITH A MONITORED BATTERY BACKUP.
9. 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 AND SHALL HAVE A BATTERY BACKUP RATING OF 10-15 HRS AT 10 FEET AND EITHER HARDWIRED OR OF THE PULG-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 WHERE APPLICABLE
14. PROVIDE ARC-FAULT RECEPTACLES ON ALL 15 & 20 AMP NON GFCI PROTECTED CIRCUITS

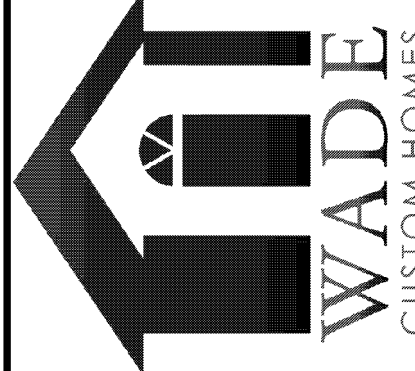
ELECTRICAL LEGEND

- | | | | |
|----|--------------------------------|---|-------------------------|
| \$ | SINGLE POLE SWITCH |  | DETECTOR |
| \$ | DOUBLE POLE SWITCH |  | SMOKE DETECTOR |
| \$ | THREE-WAY SWITCH |  | FLOOD LIGHT |
| \$ | FOUR-WAY SWITCH |  | L.E.D. STRIP LIGHT |
| \$ | DIMMER SWITCH |  | |
| \$ | CEILING FIXTURE |  | CEILING FAN |
| \$ | SCOUNCE (WALL MOUNTED) FIXTURE |  | |
| \$ | 110 VOLT DUPLEX OUTLET |  | |
| \$ | 110 VOLT SPLIT DUPLEX OUTLET |  | |
| \$ | GROUND FAULT INTERRUPT |  | DOOR BELL CHIMES |
| \$ | WATER PROOF W/ GROUND FAULT |  | DOOR BELL |
| \$ | 220 VOLT OUTLET |  | DISPOSAL |
| \$ | SPECIAL SERVICES OUTLET |  | DISCONNECT SWITCH |
| \$ | T.V. CABLE OUTLET |  | |
| \$ | TELEPHONE CABLE OUTLET |  | PREWIRE SPEAKER |
| \$ | RECESSED LIGHTING |  | JUNCTION BOX |
| \$ | 5" 5" L.E.D. SURFACE MOUNT |  | THERMOSTAT |
| \$ | BATH PAN |  | LOW VOLTAGE LIGHTING |
| \$ | BATH PAN W/ LIGHT |  | INTERCOM SYSTEM |
| \$ | |  | GARAGE DOOR PUSH BUTTON |



FOUNDATION PLAN

Building Homes,
Building Relationships



PROJECT:
Ruark Residence
232 SW Dana Glen
Fort White, FL
Columbia County

SHEET NO.

3
OF
4

RANDOLPH WIGGINS, P.E.

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



Randolph
Wiggins
2021.06.1
0
07:25:24
-04'00'

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



Wade
CUSTOM HOMES

07:23 AM

N.T.S.

2x4 WALL FRAMING

2x6 WALL FRAMING

2x4 WALL FRAMING

2x6 WALL FRAMING

CONVENTIONAL VALLEY ASSEMBLY

CROSS BRACING DETAIL

- NOTES:
1. STAGGER END JOINTS @ FRAMING MEMBER
 2. TYP. H - CLIP, EA. JOINT BETWEEN EA. FRAMING MEMBER
 3. TYP. LOOKOUTS @ EA. JOINT & 24" O.C.
 4. TYP. MIN. PLYWOOD WIDTH 12"

TYP. CLG. FOR ENTRY'S AND
COVERED PORCHES
EXTERIOR 7/16" OSB SPAN
RATED FOR NAILING PATTERN
SEE ZONE (1) ON ROOF
DIAPHRAGM ABOVE

ROOF NAILING SCHEDULE:

- ZONE 1: 2-1/2"x0.131" RSR3-03 NAILS @ 6" O.C. (ON EDGES & FIELD)
 ZONE 2: 2-1/2"x0.131" RSR3-03 NAILS @ 6" O.C.(ON EDGES AND FIELD)
 ZONE 3: 2-1/2"x0.131" RSR3-03 NAILS @ 6" O.C. IN FIELD
 2-1/2"x0.131" RSR3-03 NAILS @ 4" O.C. ON EDGE

15 ROOF DIAPHRAGM NAILING SCHEDULE

6 TYPICAL WALL SECTION

ALT. TO HIP BLOCKING

TOP PLATE SPLICE

GARAGE HEADER ANCHOR

5 GIRDER BASE CONNECTION

6x6 POST & BEAM DETAIL

BEAM POCKET DETAIL

WINDOW & DOOR JACK TABLE

PROVIDE JACKS @ EACH END AS FOLLOWS:

- 1) WHEN OPNG'S ARE LESS THAN 4'-1"
- 2) WHEN OPNG'S ARE 4'-1" TO 8'-1"
- 3) WHEN OPNG'S ARE 8'-1" TO 10'-1"
- 4) WHEN OPNG'S ARE 10'-1" TO 12'-0"

WINDOW & DOOR STUD TABLE

- PROVIDE STUDS @ EACH END AS FOLLOWS:**
- (1) WHEN OPNG'S ARE UNDER 4'-0"
- (2) WHEN OPNG'S ARE 4'-1" TO 7'-11"
- (3) WHEN OPNG'S ARE 8'-0" TO 11'-11"
- (4) WHEN OPNG'S ARE 12'-0" TO 15'-11"
- (6) WHEN OPNG'S ARE 16'-0" TO 18'-0"

CONNECTOR LEGEND	
A	SIMPSON SPH4 W/ 12-10d X 1 1/2" SIMPSON SPH6 W/ 12-10d X 1 1/2"
B	SIMPSON MSTA24 W/ (18) 10d NAILS
C	SIMPSON SPH4 W/ 12-10d X 1 1/2" SIMPSON SPH6 W/ 12-10d X 1 1/2"
D	1/2"x10" J-BOLT W/ 2" WASHER @ 48" O.C. WITH ONE WITHIN 6" EACH SIDE OF OPN'G (REFER TO ABOVE DRAWING)

WINDOW & DOOR JACK TABLE

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NOTE: FRAMER TO USE EITHER DETAIL 1/S-1 OR 1A/S-1

NOTES:

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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.

INTERIOR BRG. WALL DETAIL