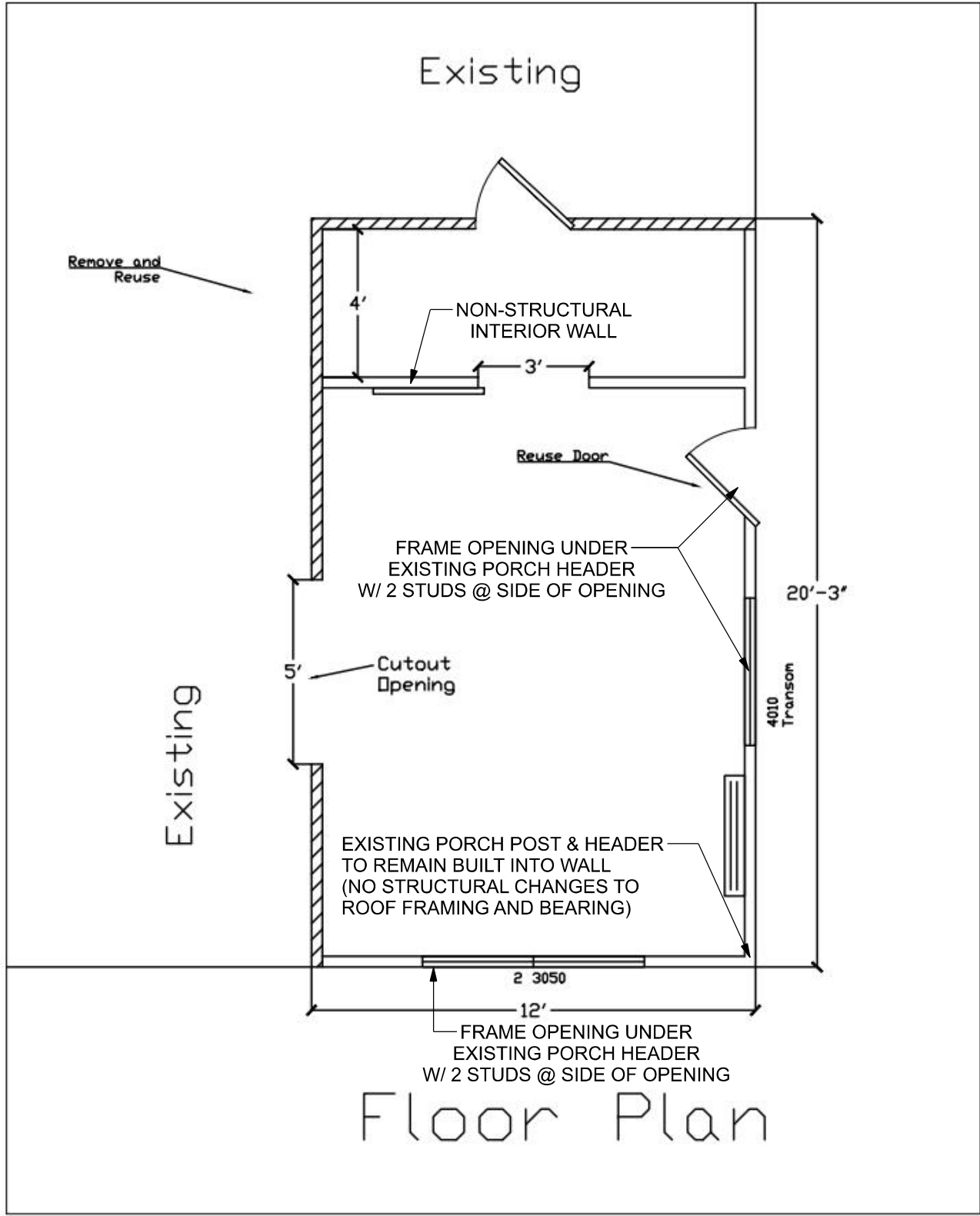


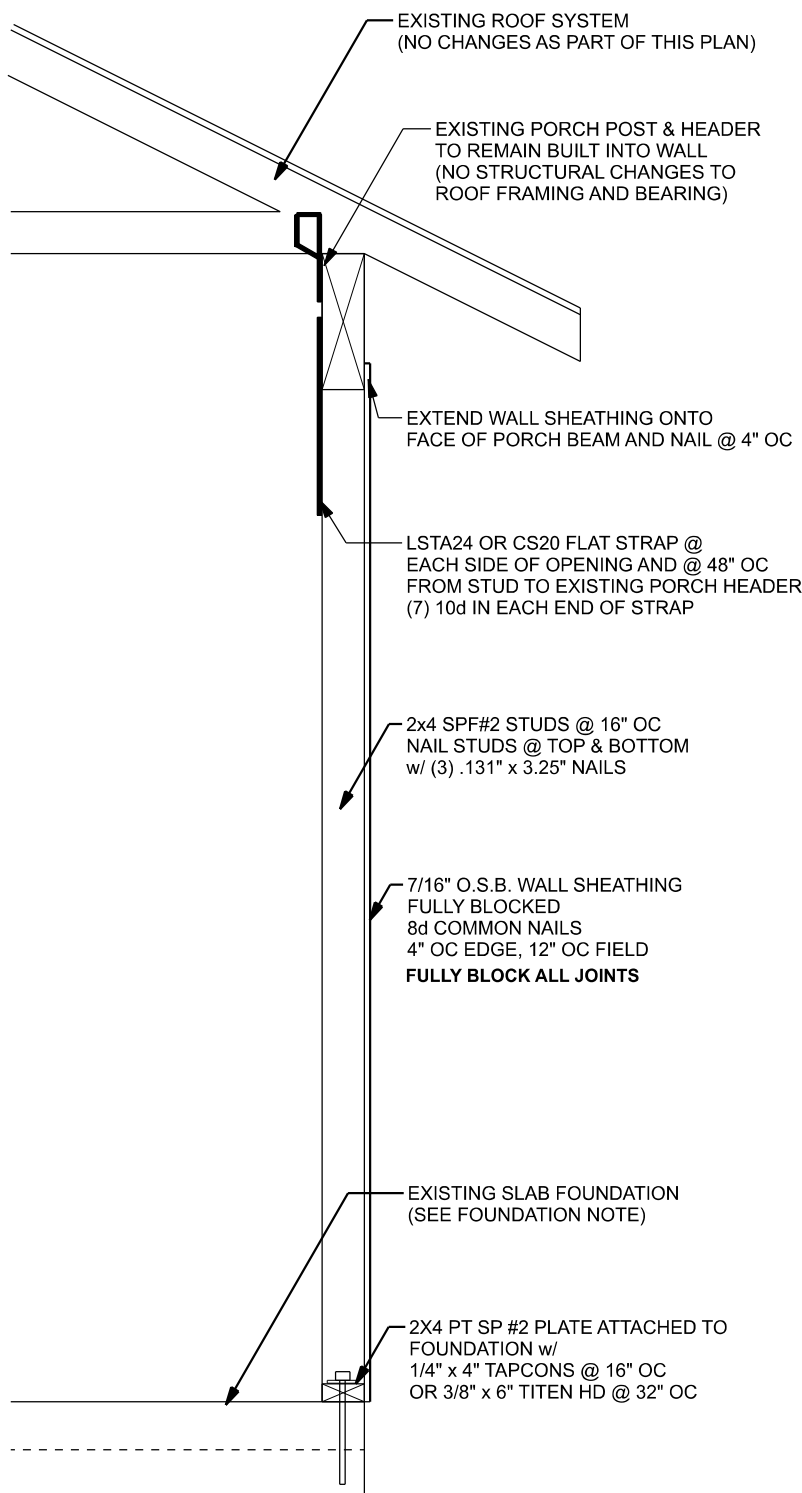
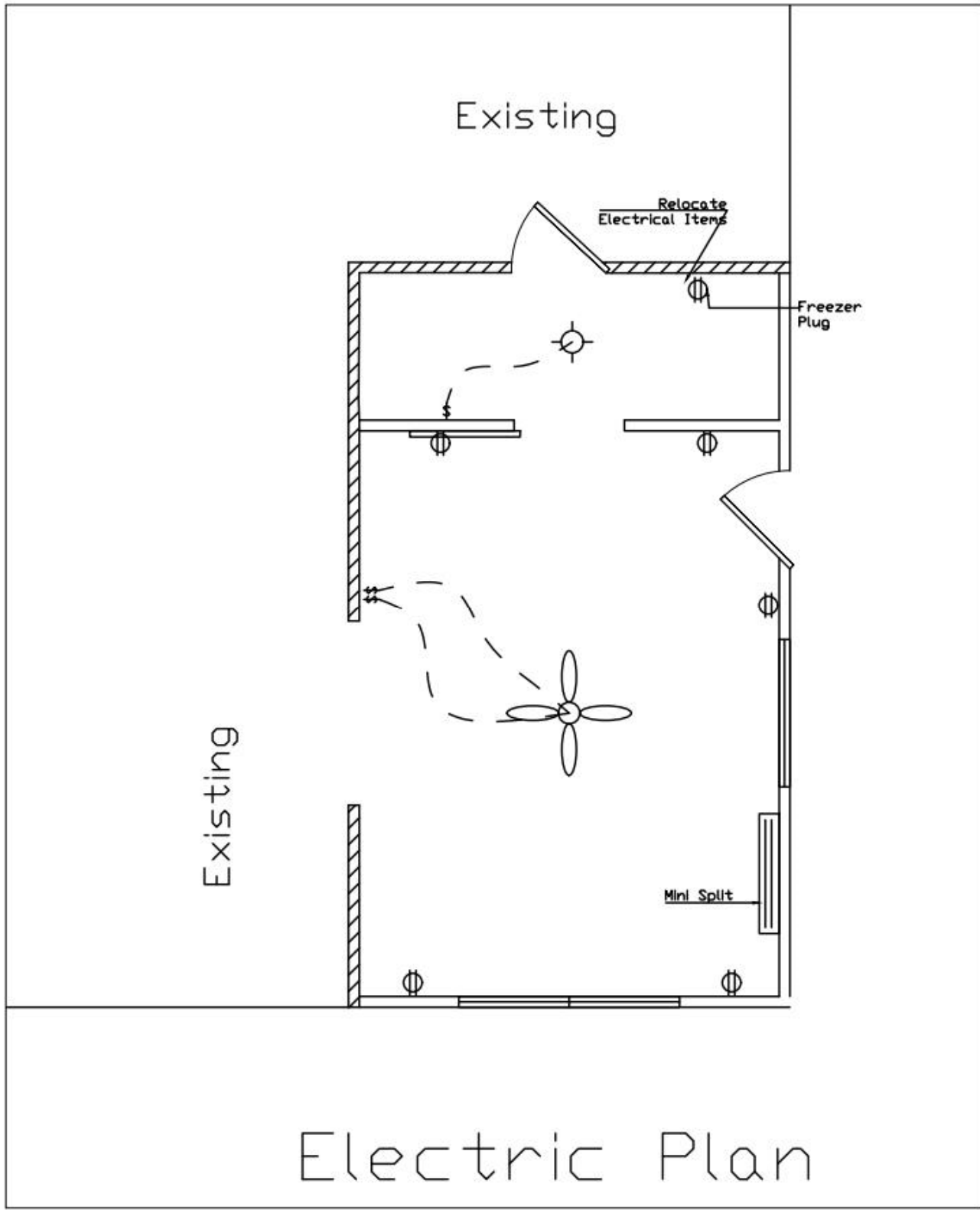


EXISTING ELEVATION



ALL NEW OUTLETS TO BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER. COMBINATION-TYPE INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT.

FOUNDATION NOTE:  
- BUILDER TO VERIFY THAT EXISTING FOUNDATION HAS A CONTINUOUS FOOTER ALONG EDGE OF PORCH  
- NO STRUCTURAL CHANGES TO FOUNDATION ARE PART OF THIS PLAN  
- IF NEEDED A NEW SLAB CAN BE ADDED OVER TOP OF EXISTING SLAB  
- IF NEW SLAB IS LESS THAN 4" ATTACHMENT OF NEW WALLS MUST BE INTO EXISTING  
- FIELD VERIFY THAT THE FINAL FOOTER WILL BE 12" WIDE MIN. AND A MIN. OF 12" BELOW GRADE AND FINISHED SLAB ELEVATION IS 8" ABOVE GRADE



ONE STORY WALL SECTION  
SCALE: 3/4" = 1'-0"

| CONNECTOR TABLE      |                 |                       |                   |                          |
|----------------------|-----------------|-----------------------|-------------------|--------------------------|
| Uplift SP/Uplift SPF | Truss Connector | To Plate              | To Truss/Rafter   |                          |
| 805                  | 505             | SDWC15600             | -                 | -                        |
| 415                  | 290             | H3                    | 4-8d x 1 1/2"     | 4-8d x 1 1/2"            |
| 615                  | 540             | H2.5A                 | 5-8d x 1 1/2"     | 5-8d x 1 1/2"            |
| 1340                 | 1015            | H10A                  | 9-10d1 1/2"       | 9-10d1 1/2"              |
| 720                  | 620             | LTS12-20              | 6-10d1 1/2"       | 6-10d1 1/2"              |
| 1000                 | 860             | MTS12-30              | 7-10d1 1/2"       | 7-10d1 1/2"              |
| 1450                 | 1245            | HTS20-30              | 12-10d1 1/2"      | 12-10d1 1/2"             |
| Uplift SP            | Uplift SPF      | Strap Ties            | To One Member     | To Other Member          |
| 1235                 | 1235            | LSTA21                | 6-10d             | 6-10d                    |
| 1640                 | 1455            | MSTA24                | 9-10d             | 9-10d                    |
| 1030                 | 1030            | CS20                  | 7-10d             | 7-10d                    |
| Uplift SP            | Uplift SPF      | Stud Plate Ties       | To Stud           | To Plate                 |
| 585                  | 535             | SP1                   | 6-10d             | 4-10d                    |
| 1065                 | 605             | SP2                   | 6-10d             | 6-10d                    |
| 771                  | 771             | LSTA24                | 10-10d            | wrap under or over plate |
| 1235                 | 1235            | LSTA24                | 14-10d            | wrap under or over plate |
| Uplift SP            | Uplift SPF      | Holdowns @ Stenwall   | To Stud / Post    | Anchor                   |
| 1825                 | 1800            | DTT22                 | 8-SDS 1/4"x1 1/2" | 1/2"x12" Titen HD        |
| 4235                 | 3640            | HTT4                  | 18-16d x 2 1/2"   | 1/2"x12" Titen HD        |
| Uplift SP            | Uplift SPF      | Holdowns @ Mono       | To Stud / Post    | Anchor                   |
| 1825                 | 1800            | DTT22                 | 8-SDS 1/4"x1 1/2" | 1/2"x12" Titen HD        |
| 4235                 | 3640            | HTT4                  | 18-16d x 2 1/2"   | 1/2"x12" Titen HD        |
| Uplift SP            | Uplift SPF      | Post Bases @ Stenwall | To Post           | Anchor                   |
| 1900                 |                 | ABU44Z                | 12-16d            | 5/8"x12" Drill & Epoxy   |
| 2475                 |                 | ABU66Z                | 12-16d            | 5/8"x12" Drill & Epoxy   |
| Uplift SP            | Uplift SPF      | Post Bases @ Mono     | To Post           | Anchor                   |
| 1900                 |                 | ABU44Z                | 12-16d            | 5/8"x7" Drill & Epoxy    |
| 2475                 |                 | ABU66Z                | 12-16d            | 5/8"x7" Drill & Epoxy    |

GENERAL NOTES:

TRUSSES: TRUSSES SHALL BE DESIGNED BY A FLORIDA LICENSED ENGINEER IN ACCORDANCE WITH THE FBCR. TRUSS ENGINEERING SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, TEMPORARY AND PERMANENT BRACING DETAILS, TRUSS-TO-TRUSS CONNECTIONS, AND UPLIFT AND REACTION LOADS FOR ALL BEARING LOCATIONS. TRUSS ENGINEERING IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER AND SHALL BE SIGNED & SEALED BY THE MANUFACTURER'S DESIGN ENGINEER. IT IS THE BUILDER'S RESPONSIBILITY TO VERIFY THE TRUSS DESIGNER FULLY SATISFIED ALL THE ABOVE REQUIREMENTS AND TO SELECT UPLIFT CONNECTIONS BASED ON TRUSS ENGINEERING UPLIFT AND PROVIDE FOOTINGS FOR INTERIOR BEARING WALLS. BUILDER IS TO FURNISH TRUSS ENGINEERING TO WIND LOAD ENGINEER FOR REVIEW OF TRUSS REACTIONS ON THE BUILDING STRUCTURE. STRAP 2X6 RAFTERS WITH MIN. UPLIFT CONNECTION 415LB EACH END, 2X8 RAFTERS 700 LB EACH END.

SITE PREPARATION: SITE ANALYSIS AND PREPARATION IS NOT PART OF THIS PLAN

FOUNDATION: CONFIRM THAT THE FOUNDATION DESIGN & SITE CONDITIONS MEET GRAVITY LOAD REQUIREMENTS (ASSUME 1500 PSF BEARING CAPACITY UNLESS VISUAL OBSERVATION OR SOILS TEST PROVES OTHERWISE)  
CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS, F'c = 2500 PSI.  
WELDED WIRE REINFORCED SLAB: 6" x 6" W14 x W14, FB = 8KSI, WELDED WIRE REINFORCEMENT FABRIC (W.W.M.) CONFORMING TO ASTM A185, LOCATED IN MIDDLE OF THE SLAB, SUPPORTED WITH APPROVED MATERIALS OR SUPPORTS AT SPACINGS NOT TO EXCEED 3'.

FIBER CONCRETE SLAB: CONCRETE SLABS ON GROUND CONTAINING SYNTHETIC FIBER REINFORCEMENT, FIBER LENGTH 1/2 INCH TO 2 INCHES. DOSAGE AMOUNTS FROM 0.75 TO 1.5 POUNDS PER CUBIC YARD PER THE MANUFACTURER'S RECOMMENDATIONS. FIBERS TO COMPLY WITH ASTM C-1116. SUPPLIER TO PROVIDE ASTM C-1116 CERTIFICATION OF COMPLIANCE WHEN REQUESTED BY BUILDING OFFICIAL.

CONTROL JOINTS: WHERE SPECIFIED, SAWN CONTROL JOINTS IN SLAB-ON-GRADE SHALL BE CUT IN ACCORDANCE WITH ACI 302. JOINTS SHALL BE CUT WITHIN 12 HOURS OF SLAB PLACEMENT. THE LENGTH/WIDTH RATIOS OF SLAB AREAS SHALL NOT EXCEED 1.5 AND TYPICAL SPACING OF CUTS TO BE 12FT. DO NOT CUT WWM OR REINFORCING STEEL. (RECOMMENDED LOCATION OF CONTROL JOINTS IS SUBJECT TO OWNER AND CONTRACTOR'S APPROVAL. THE CONTROL JOINTS ARE NOT INTENDED TO PREVENT CRACKS BUT RATHER TO ENCOURAGE THE SLAB TO CRACK ON A GIVEN LINE.)

REBAR: ASTM A 615, GRADE 40, DEFORMED BARS, FY = 40 KSI. ALL LAP SPLICES 40" DB (25" FOR #5 BARS); UNO. ALL REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 315-06, U.N.O.

ROOF SHEATHING: ALL ROOFS ARE HORIZONTAL DIAPHRAGMS. SHEATHING, UNBLOCKED, APPLIED PERPENDICULAR TO FRAMING, OVER A MINIMUM OF 3 FRAMING MEMBERS, WITH PANEL EDGES STAGGERED.

STRUCTURAL CONNECTORS: MANUFACTURERS AND PRODUCT NUMBER FOR CONNECTORS, ANCHORS, AND REINFORCEMENT ARE LISTED FOR EXAMPLE NOT ENDORSEMENT. AN EQUIVALENT DEVICE OF THE SAME OR OTHER MANUFACTURER CAN BE SUBSTITUTED FOR ANY DEVICES LISTED IN THE EXAMPLE TABLES AS LONG AS IT MEETS THE REQUIRED LOAD CAPACITIES. MANUFACTURERS' INSTALLATION INSTRUCTIONS MUST BE FOLLOWED TO ACHIEVE RATED LOADS.

ANCHOR BOLTS: A-307 ANCHOR BOLTS WITH MINIMUM EMBEDMENT AS SPECIFIED IN DRAWINGS BUT NO LESS THAN 7" IN CONCRETE OR REINFORCED BOND BEAM OR 10" IN GROUTED CMU.

**BUILDER'S RESPONSIBILITY:**  
THE BUILDER AND OWNER ARE RESPONSIBLE FOR THE FOLLOWING, WHICH ARE SPECIFICALLY NOT PART OF THE WIND LOAD ENGINEER'S SCOPE OF WORK.  
CONFIRM SITE CONDITIONS, FOUNDATION BEARING CAPACITY, GRADE AND BACKFILL HEIGHT, WIND SPEED AND DEBRIS ZONE, AND FLOOD ZONE.  
PROVIDE MATERIALS AND CONSTRUCTION TECHNIQUES, WHICH COMPLY WITH FBCR REQUIREMENTS FOR THE STATED WIND VELOCITY AND DESIGN PRESSURES.  
PROVIDE A CONTINUOUS LOAD PATH FROM TRUSSES TO FOUNDATION, IF YOU BELIEVE THE PLAN OMITTS A CONTINUOUS LOAD PATH CONNECTION, CALL THE WIND LOAD ENGINEER IMMEDIATELY.

EXTERIOR WALL STUD TABLE FOR SPF #2 STUDS:

THIS STUD HEIGHT TABLE IS PER 2012 WFCM, TABLE 3.20B5, EXTERIOR LOAD BEARING & NON LOAD BEARING STUD LENGTHS FOR WALLS WITH OSB EXTERIOR AND 1/2" GYP INTERIOR RESISTING INTERIOR ZONE WINDLOADS, 130 MPH, EXPOSURE C, STUD DEFLECTION LIMIT H/240 (NOT OK FOR BRITTLE FINISH). STUD SPACINGS SHALL BE MULTIPLIED BY 0.8 FOR FRAMING LOCATED WITHIN 4 FEET OF CORNERS FOR END ZONE LOADING. (END ZONE EXAMPLE 16" O.C. x 0.8 = 12.8" O.C.)

|                  |                       |
|------------------|-----------------------|
| (1) 2x4 @ 16" OC | TO 10'-1" STUD HEIGHT |
| (1) 2x4 @ 12" OC | TO 11'-2" STUD HEIGHT |
| (1) 2x6 @ 16" OC | TO 15'-7" STUD HEIGHT |
| (1) 2x6 @ 12" OC | TO 17'-3" STUD HEIGHT |

| GRADE & SPECIES TABLE |              |      |     |
|-----------------------|--------------|------|-----|
|                       |              | Fb   | E   |
| 2x8                   | SP #2        | 925  | 1.4 |
| 2x10                  | SP #2        | 800  | 1.4 |
| 2x12                  | SP #2        | 750  | 1.4 |
| GLB                   | 24F-V3 SP    | 2600 | 1.9 |
| LSL                   | TIMBERSTRAND | 1700 | 1.7 |
| LVL                   | MICROLAM     | 2950 | 2.0 |
| PSL                   | PARALAM      | 2900 | 2.0 |

DESIGN CRITERIA & LOADS:

|  |  |
|--|--|
| 8TH EDITION<br>FLORIDA BUILDING CODE RESIDENTIAL<br>(2023) | 8TH EDITION<br>FLORIDA BUILDING CODE RESIDENTIAL<br>(2023) |
| CODE FOR DESIGN LOADS                                      | ASCE 7-22  |
| <b>WINDLOADS</b>   |  |
| BASIC WIND SPEED<br>(ASCE 7-22, 3S GUST)                   | 130 MPH  |
| WIND EXPOSURE<br>(BUILDER MUST FIELD VERIFY)               | C  |
| TOPOGRAPHIC FACTOR<br>(BUILDER MUST FIELD VERIFY)          | I  |
| RISK CATEGORY  | II   |
| ENCLOSURE CLASSIFICATION                                   | ENCLOSED   |
| INTERNAL PRESSURE<br>COEFFICIENT                           | 0.18   |
| ROOF ANGLE   | 7-45 DEGREES   |
| MEAN ROOF HEIGHT   | 30 FT  |
| <b>C&amp;C DESIGN PRESSURES</b>                            |  |
| <b>FLOOR LOADING</b>                                       |  |
| ROOMS OTHER THAN SLEEPING ROOM                             | 40 PSF LIVE LOAD   |
| SLEEPING ROOMS   | 30 PSF LIVE LOAD   |
| <b>ROOF LOADING</b>  |  |
| FLAT OR < 4:12   | 20 PSF LIVE LOAD   |
| 4:12 TO < 12:12  | 16 PSF LIVE LOAD   |
| 12:12 & GREATER  | 12 PSF LIVE LOAD   |
| <b>SOIL BEARING CAPACITY</b>                               |  |
| 1500 PSF   |  |
| <b>FLOOD ZONE</b>  |  |
| THIS BUILDING IS NOT IN THE FLOOD ZONE                     |  |

| COMPONENT & CLADDING DESIGN PRESSURES 130 MPH (EXP C) |                         |                                       |  |
|---|-------------------------|---------------------------------------|--|
| EFFECTIVE WIND AREA (FT2)                             | ZONE 4 INTERIOR         | ZONE 5 END 4' FROM ALL OUTSIDE CORNER |  |
| 0 - 20  | +25.6(Vasd) -27.8(Vasd) | +25.6(Vasd) -34.2(Vasd)               |  |
| 0 - 20  | +42.6(Vult) -46.2(Vult) | +42.6(Vult) -57(Vult)                 |  |

Bryan Zecher Homes, Inc.

Merz Renovation

PROJECT ADDRESS:  
248 SW Young Place  
Lake City, Florida 32025

FL PE 53915  
This Item has been digitally signed and sealed by Mark Disoway P.E. on digital signature date. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies. THIS PDF HAS DIGITAL SIGNATURE AND ELECTRONIC SEAL. PRINTED COPIES ARE NOT CONSIDERED SIGNED OR SEALED. YOU MUST VERIFY SIGNATURE ON THIS PDF. [CLICK HERE TO VERIFY.](#)



DIMENSIONS: Stated dimensions supersede scaled dimensions. Refer all questions to Mark Disoway, P.E. for resolution. Do not proceed without clarification.

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CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with the 8th Edition Florida Building Code Residential (2023), to the best of my knowledge.

LIMITATION: This design is valid for one building, at specified location.

Mark Disoway P.E.  
163 SW Midtown Place  
Suite 103  
Lake City, Florida 32025  
386.754.5419  
disowaydesign@gmail.com

JOB NUMBER:  
250612

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OF 1 SHEET