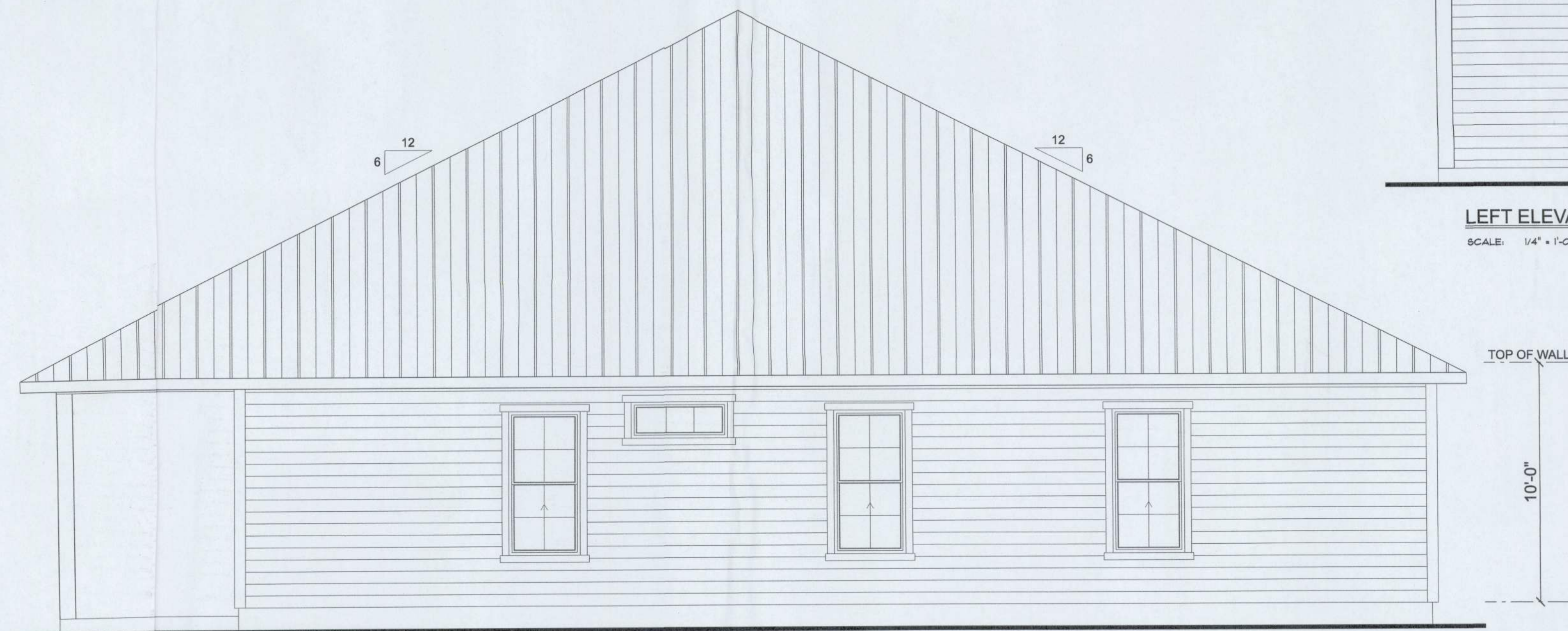
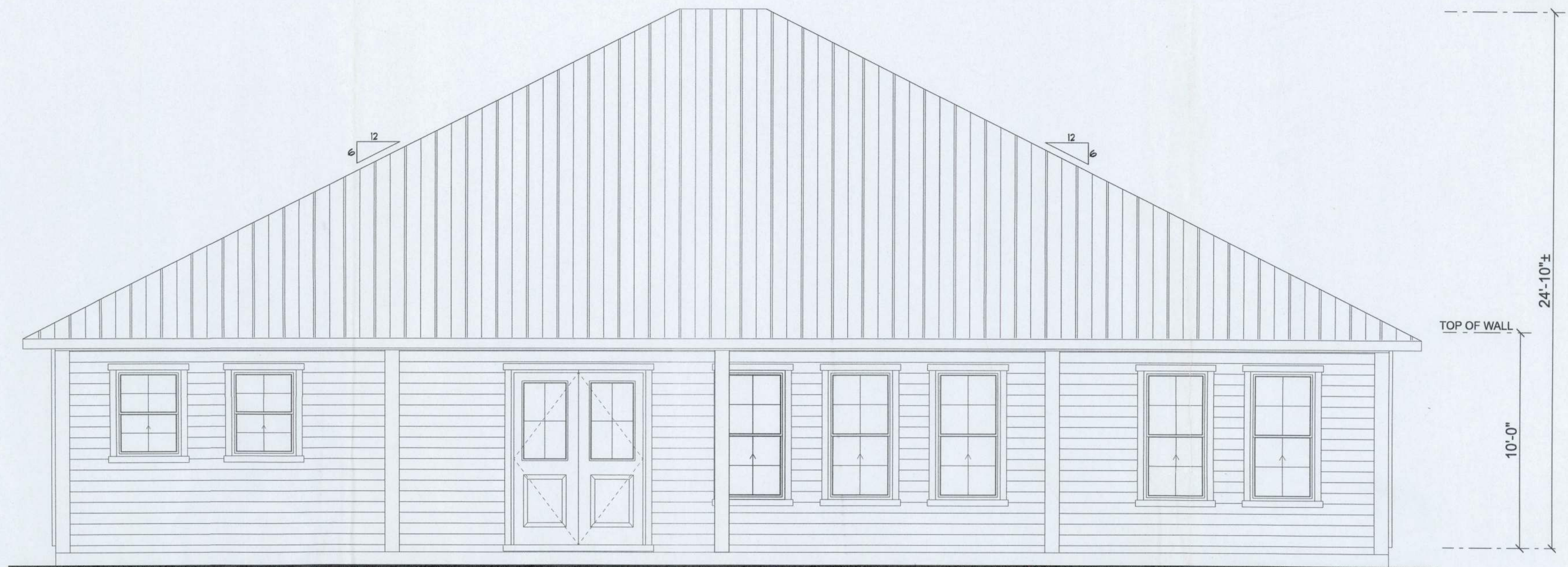




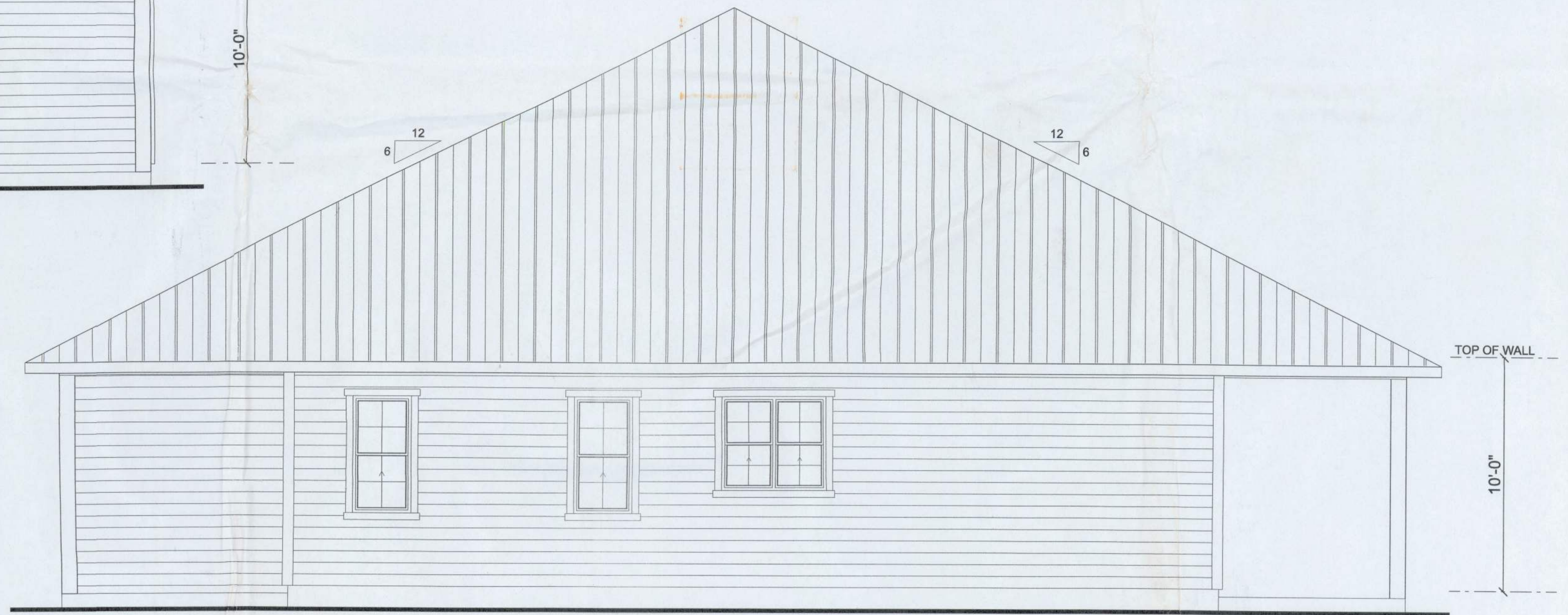
REAR ELEVATION  
SCALE: 1/4" = 1'-0"



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



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



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

JASON & CHRISTIE  
GERKE  
PROJECT ADDRESS:  
PARCEL NUMBER:  
30-45-17-08913-10 (47180)  
COLUMBIA COUNTY, FLORIDA



Mark Disosway FL PE 53915



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

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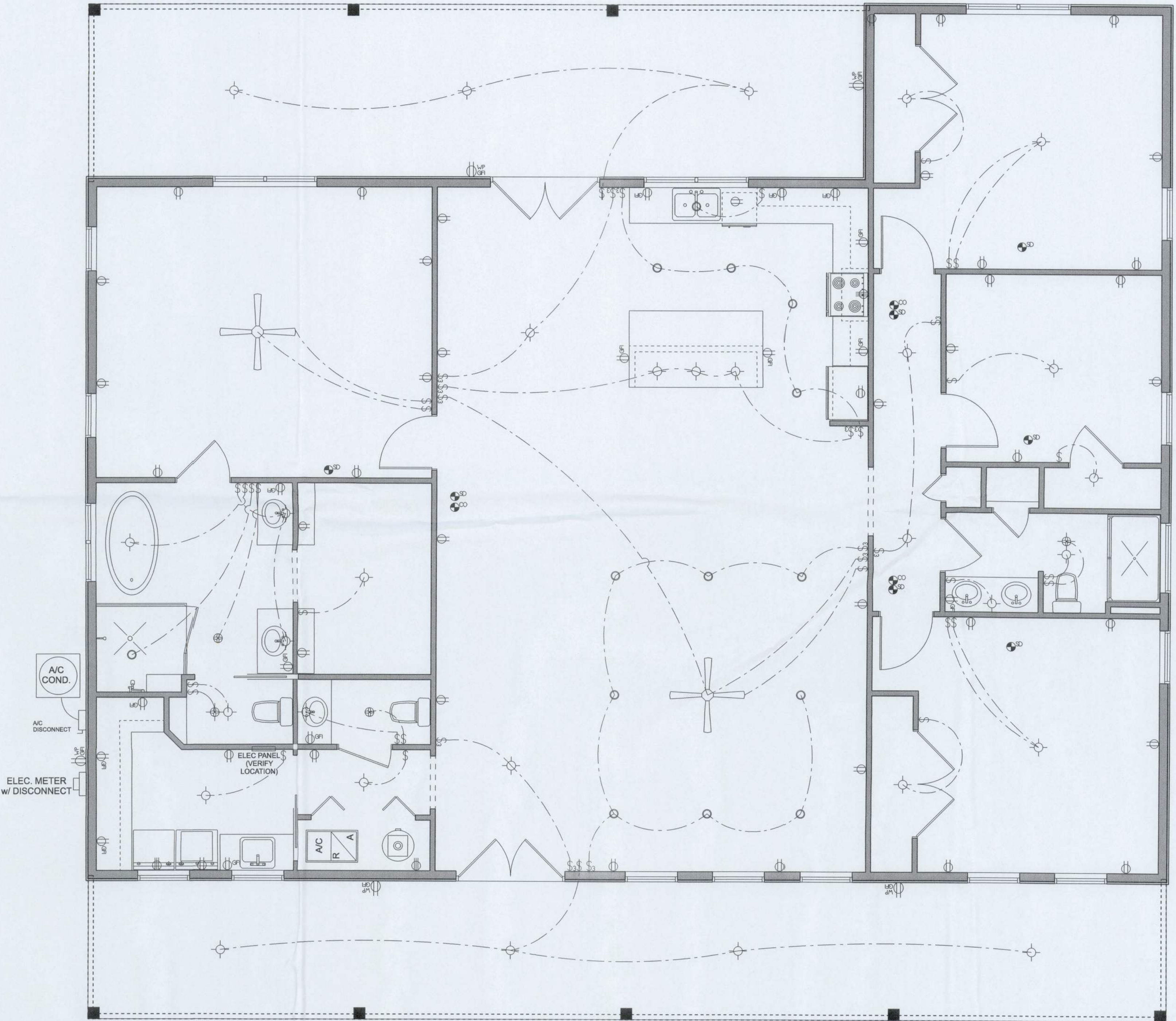
JOB NUMBER:  
240824

#1  
OF 6 SHEETS



| ELECTRICAL PLAN NOTES: |                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| E-1                    | WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.                                                                                                                                                                                                                                                                                                                            |
| E-2                    | CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.                                                                                                                                                                                                                                                                                                                             |
| E-3                    | ALL INSTALLATIONS SHALL BE PER NATL. ELECTRIC CODE.                                                                                                                                                                                                                                                                                                                                                       |
| E-4                    | ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS.                                                                                                                                                                                                                                                   |
| E-5                    | TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.                                                                                                                                                                                                                                      |
| E-6                    | ELECTRICAL CONTR SHALL BE RESPONSIBLE FOR THE DESIGN & SIZING OF ELECTRICAL SERVICE AND CIRCUITS.                                                                                                                                                                                                                                                                                                         |
| E-7                    | ENTRY OF SERVICE (UNDERGROUND OR OVERHEAD) TO BE DETERMINED BY POWER COMPANY.                                                                                                                                                                                                                                                                                                                             |
| E-8                    | ALL 120-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUN ROOMS, RECREATION ROOMS, CLOSETTS, HALLWAYS, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER, COMBINATION-TYPE INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT. |
| E-9                    | ALL OUTLETS TO BE LOCATED ABOVE BASE:                                                                                                                                                                                                                                                                                                                                                                     |
| E-9-1                  | FLOOD ELEVATION.                                                                                                                                                                                                                                                                                                                                                                                          |
| E-9-2                  | A SERVICE DISCONNECT WITH OVER CURRENT PROTECTION SHALL BE INSTALLED OUTSIDE OF THE BUILDING, ON THE LOAD SIDE OF THE METER, AT THE PLACE ELECTRIC CONDUCTORS ENTER THE BUILDING.                                                                                                                                                                                                                         |
| E-10                   | SERVICE ENTRANCE CONDUCTORS MAY NOT BE LOCATED INSIDE OF THE OF THE BUILDING WITHOUT SPECIAL APPROVAL OF THE BUILDING OFFICIAL.                                                                                                                                                                                                                                                                           |
| E-11                   | CARBON MONOXIDE ALARMS SHALL BE REQUIRED WITHIN 1/2" OF ALL ROOMS FOR SLEEPING PURPOSES IN BUILDINGS HAVING A FOSSIL-FUEL-BURNING HEATER OR APPLIANCE, A FIREPLACE, OR ATTACHED GARAGE.                                                                                                                                                                                                                   |
| E-12                   | ALL OUTLETS LOCATED IN RESIDENTIAL TO BE TAMPER-RESISTANT PER NEC.                                                                                                                                                                                                                                                                                                                                        |
| E-13                   | A MINIMUM OF 75% OF PERMANENTLY INSTALLED LAMPS OR LIGHTING FIXTURES SHALL BE HIGH EFFICACY FRC EC SEC. R404.1                                                                                                                                                                                                                                                                                            |

| ELECTRICAL LEGEND |                                      |
|-------------------|--------------------------------------|
|                   | CEILING FAN (PRE-WIRE FOR LIGHT KIT) |
|                   | DOUBLE SECURITY LIGHT                |
|                   | 2x4 FLUORESCENT LIGHT FIXTURE        |
|                   | RECESSED CAN LIGHT                   |
|                   | BATH EXHAUST FAN WITH LIGHT          |
|                   | BATH EXHAUST FAN                     |
|                   | LIGHT FIXTURE                        |
|                   | DUPLEX OUTLET                        |
|                   | 220v OUTLET                          |
|                   | GFI DUPLEX OUTLET                    |
|                   | SMOKE DETECTOR                       |
|                   | WALL SWITCH                          |
|                   | 3 WAY WALL SWITCH                    |
|                   | 4 WAY WALL SWITCH                    |
|                   | WATER PROOF GFI OUTLET               |
|                   | PHONE JACK                           |
|                   | TELEVISION JACK                      |
|                   | GARAGE DOOR OPENER                   |
|                   | CARBON MONOXIDE ALARM                |



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

JASON & CHRISTIE  
GERKE  
PROJECT ADDRESS:  
30-45517-0881-3-070 (47180)  
COLUMBIA COUNTY, FLORIDA



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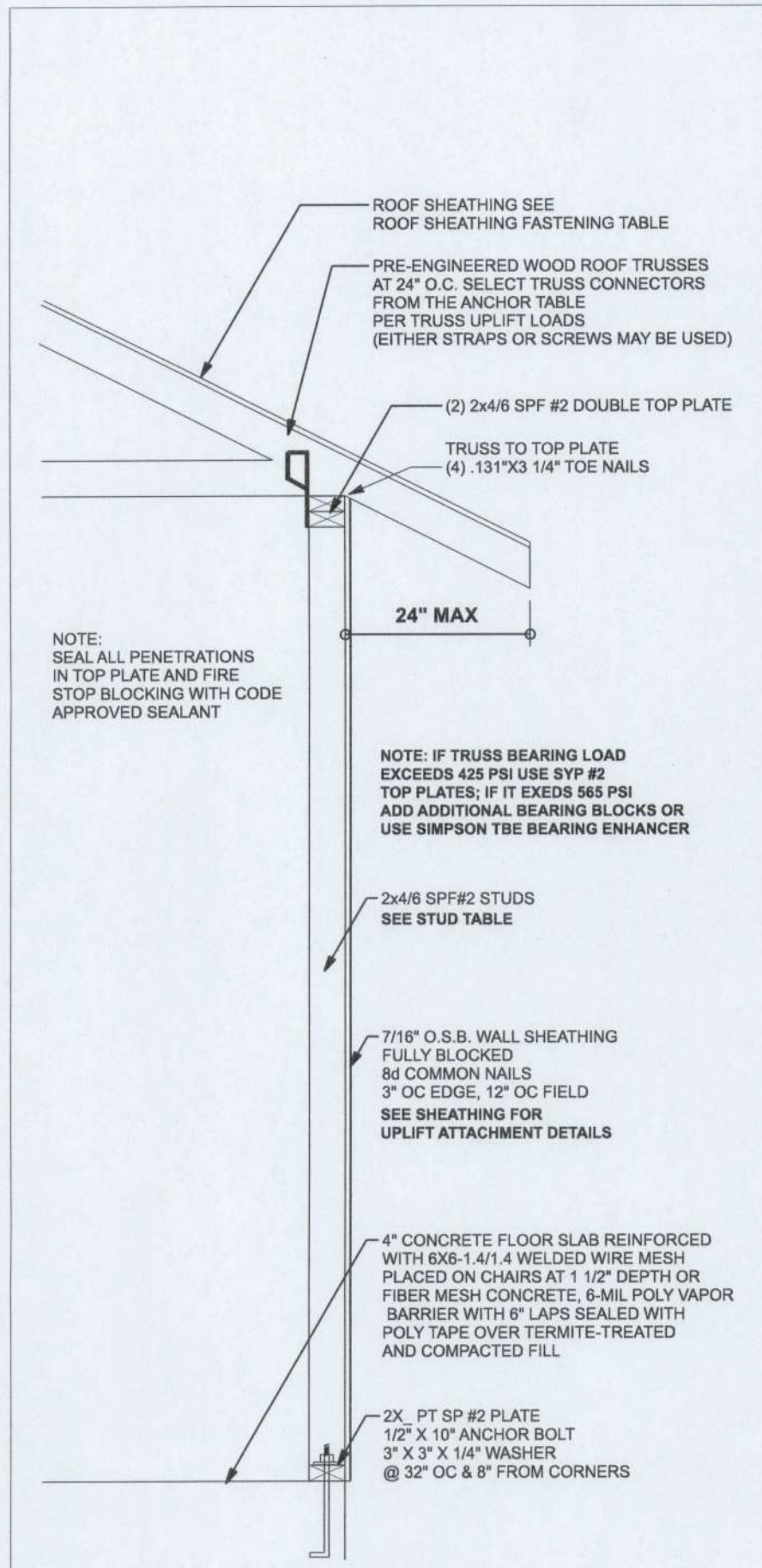
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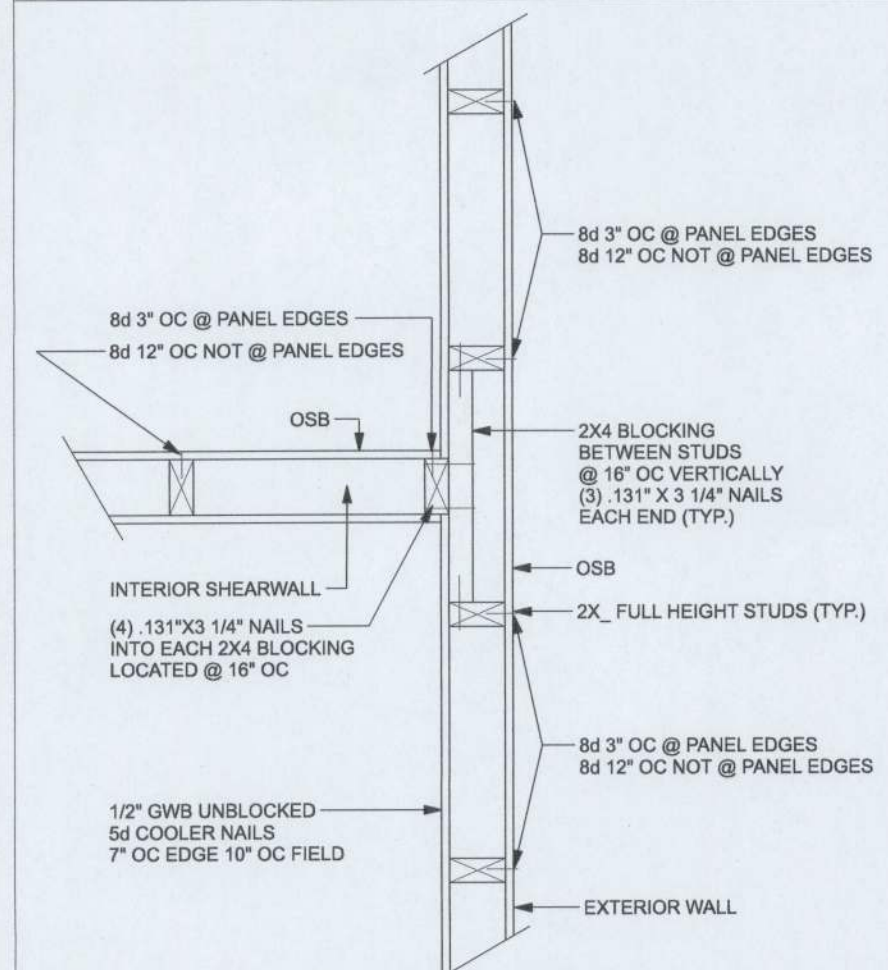
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#3  
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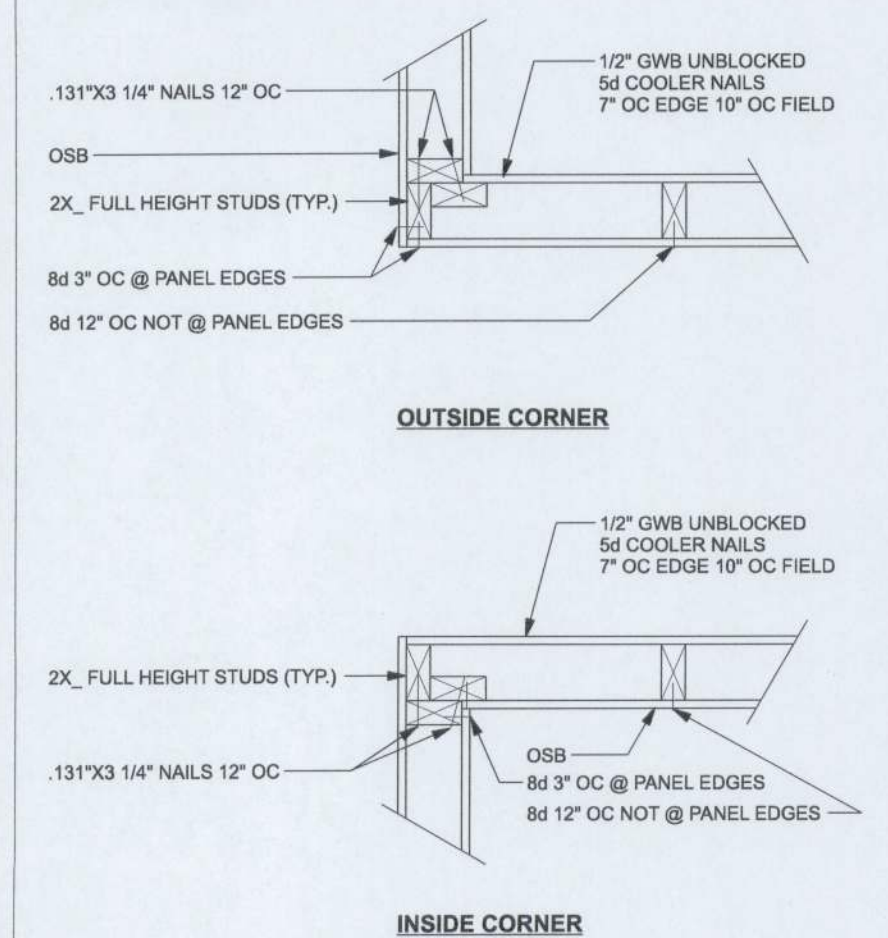




**ONE STORY WALL SECTION**  
SCALE: 3/4" = 1'-0"



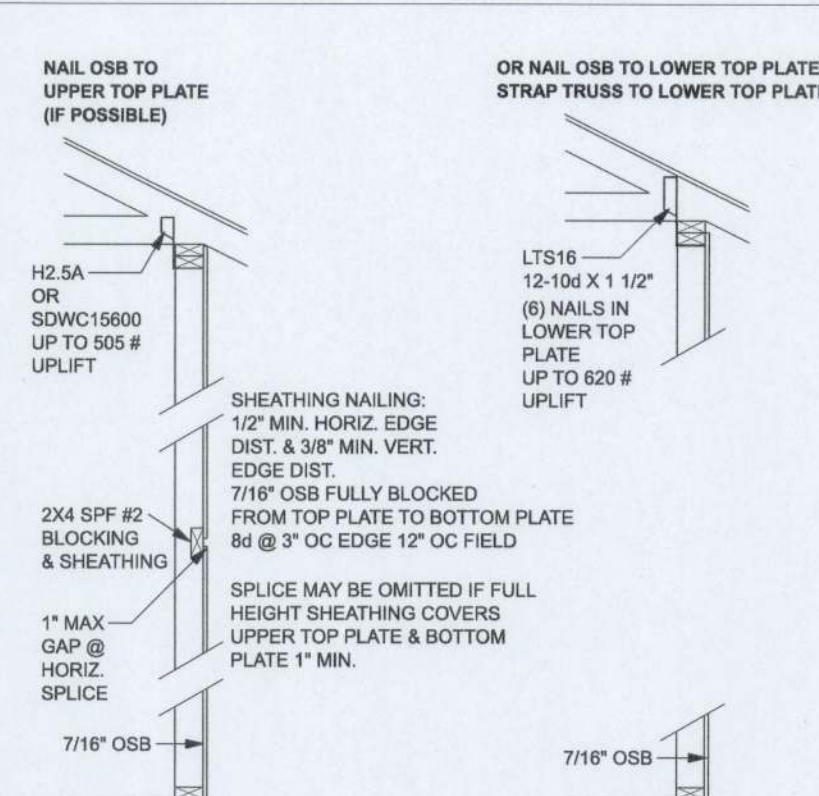
**(TYP.) INTERSECTING WALL FRAMING**  
WOOD FRAME



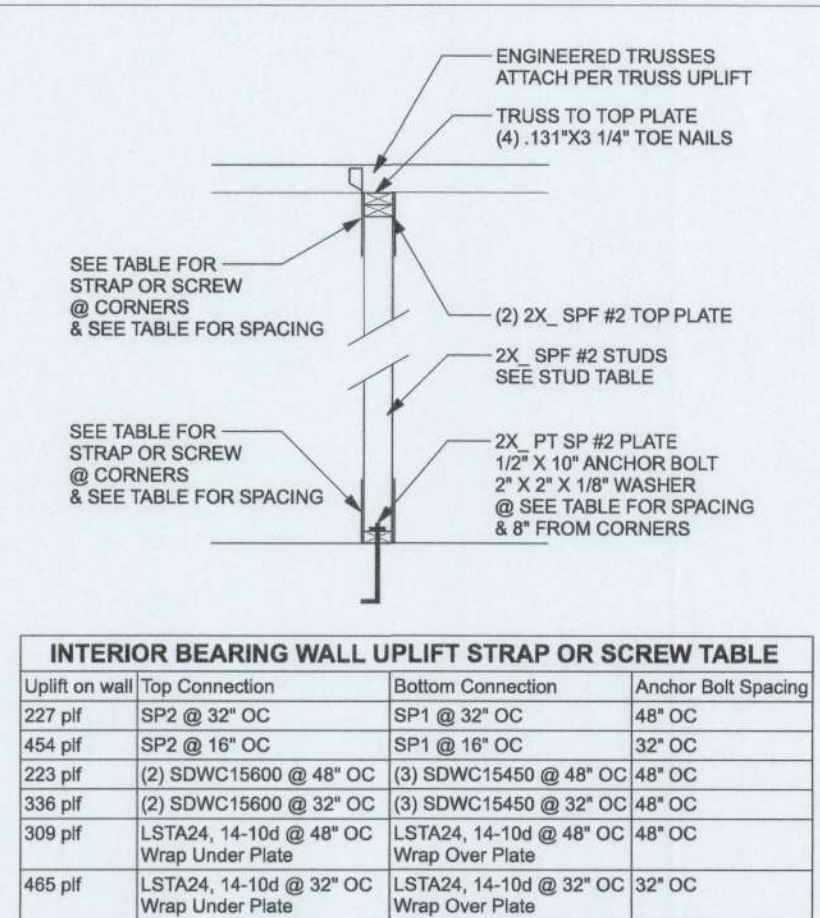
**(TYP.) CORNER FRAMING**  
WOOD FRAME

| Wind Speed     | Sheathing Thickness Plywood Or OSB | Required Nail                                                            | Nail spacing along panel edges | Nail spacing along intermediate supports in the panel field |
|----------------|------------------------------------|--------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------|
| 120 mph Exp. B | 7/16"                              | ASTM F1667 RRSR-01 (2 3/8" x 0.113")                                     | 6" oc                          | 12" oc                                                      |
| 120 mph Exp. C | 7/16"                              | ASTM F1667 RRSR-01 (2 3/8" x 0.113")                                     | 6" oc                          | 6" oc                                                       |
| 120 mph Exp. D | 19/32"                             | ASTM F1667 RRSR-03 (2 1/2" x 0.131") or ASTM F1667 RRSR-04 (3" x 0.120") | 6" oc                          | 6" oc                                                       |
| 130 mph Exp. B | 7/16"                              | ASTM F1667 RRSR-01 (2 3/8" x 0.113")                                     | 6" oc                          | 6" oc                                                       |
| 130 mph Exp. C | 15/32"                             | ASTM F1667 RRSR-01 (2 3/8" x 0.113")                                     | 6" oc                          | 6" oc                                                       |
| 130 mph Exp. D | 19/32"                             | ASTM F1667 RRSR-03 (2 1/2" x 0.131") or ASTM F1667 RRSR-04 (3" x 0.120") | 6" oc                          | 6" oc                                                       |
| 140 mph Exp. B | 7/16"                              | ASTM F1667 RRSR-01 (2 3/8" x 0.113")                                     | 6" oc                          | 6" oc                                                       |
| 140 mph Exp. C | 19/32"                             | ASTM F1667 RRSR-03 (2 1/2" x 0.131") or ASTM F1667 RRSR-04 (3" x 0.120") | 6" oc                          | 6" oc                                                       |
| 140 mph Exp. D | 19/32"                             | ASTM F1667 RRSR-03 (2 1/2" x 0.131") or ASTM F1667 RRSR-04 (3" x 0.120") | 6" oc                          | 6" oc                                                       |
| 160 mph Exp. C | 19/32"                             | ASTM F1667 RRSR-03 (2 1/2" x 0.131") or ASTM F1667 RRSR-04 (3" x 0.120") | 6" oc                          | 6" oc                                                       |
| 160 mph Exp. D | 19/32"                             | ASTM F1667 RRSR-03 (2 1/2" x 0.131") or ASTM F1667 RRSR-04 (3" x 0.120") | 4" oc                          | 4" oc                                                       |

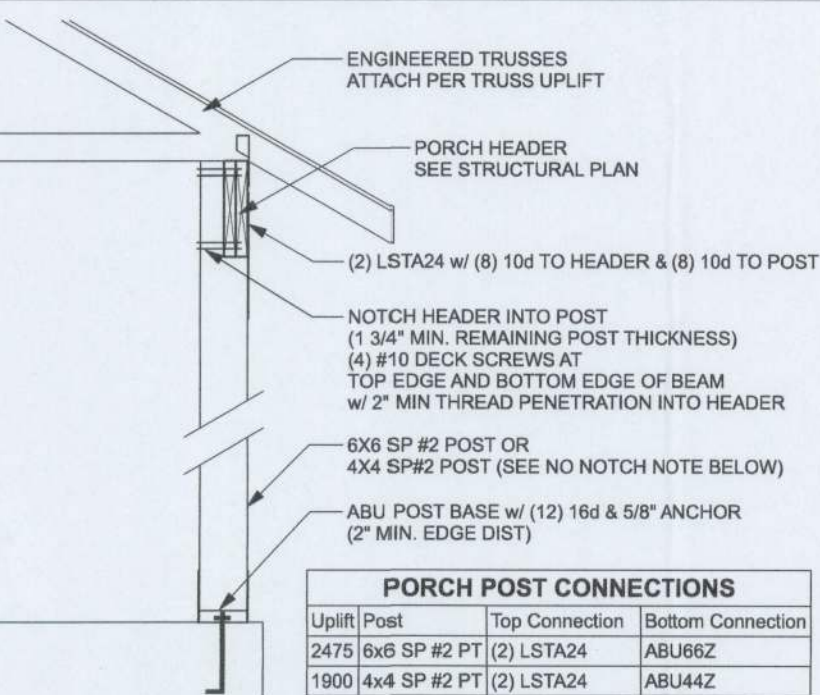
Note: For sheathing located a minimum of 4 feet from the perimeter edge of the roof, including 4 feet on each side of ridges and hips, nail spacing is permitted to be 6 inches on center along panel edges and 6 inches on center along intermediate supports in the panel field. Note: This table specifies the code minimum thickness of roof sheathing. The thickness of the sheathing may need to be increased based in the type of roofing material being used. See manufacturer Florida product approval.



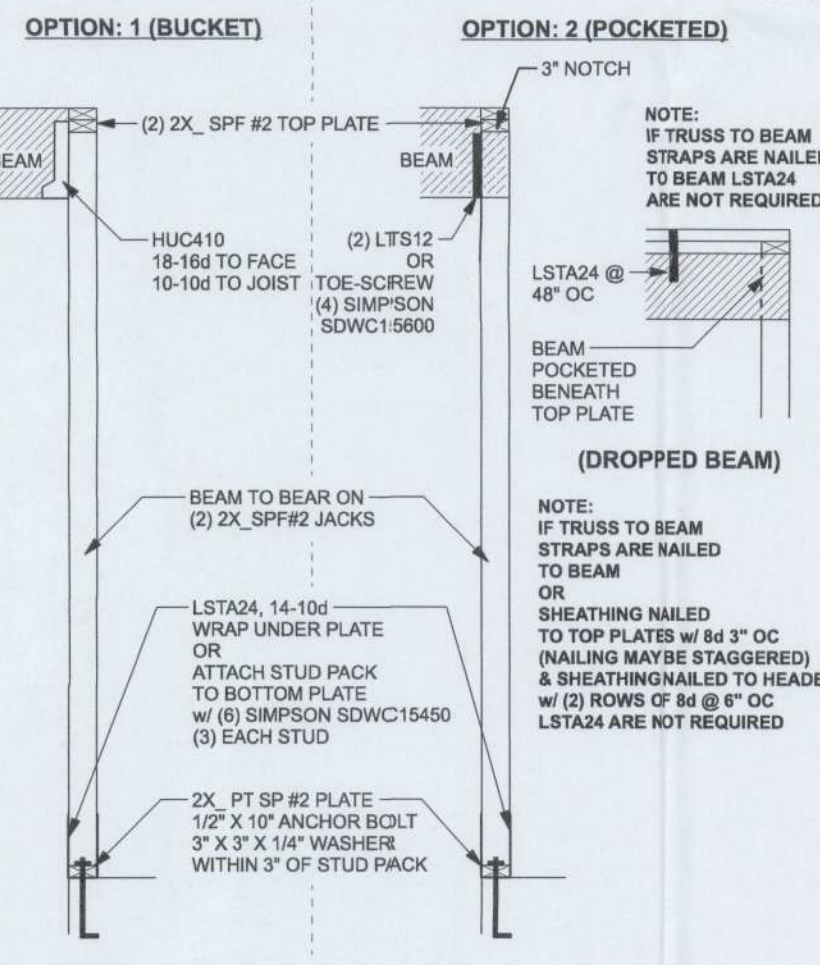
**SHEATHING FOR UPLIFT ATTACHMENT DETAILS**  
ONE STORY WOOD FRAME



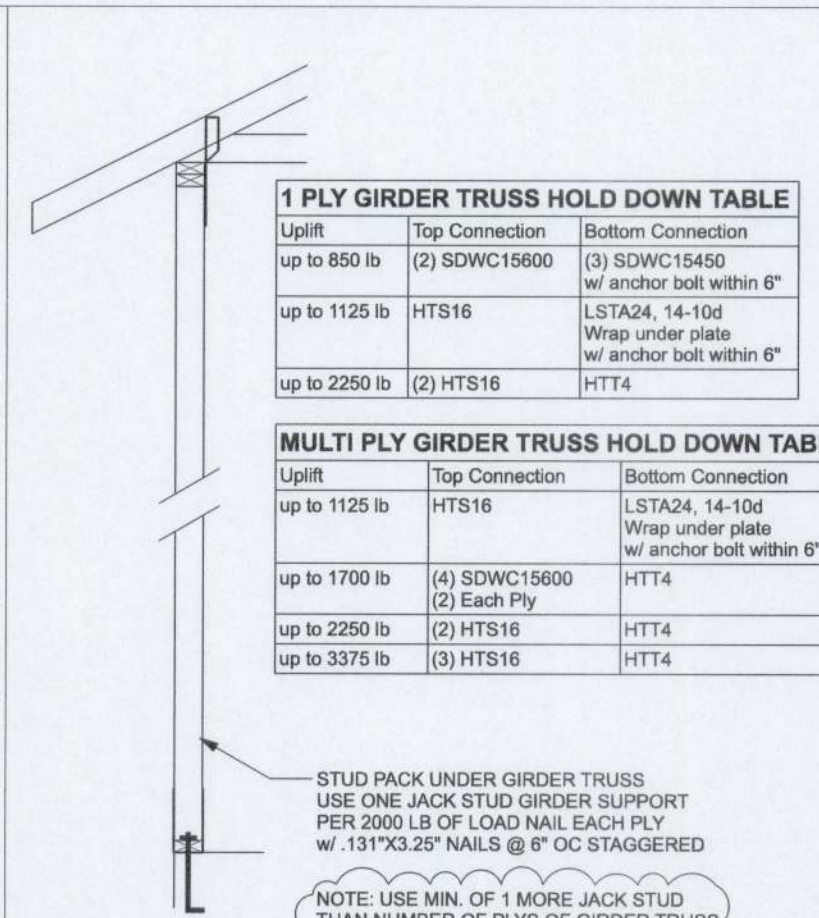
**(TYP.) INTERIOR BEARING WALL**  
ONE STORY WOOD FRAME w/ STRAPS & ANCHORS



**(TYP.) PORCH POST**  
ONE STORY WOOD



**(TYP.) BEAM TO WALL**  
WOOD FRAME w/ STRAPS & ANCHORS

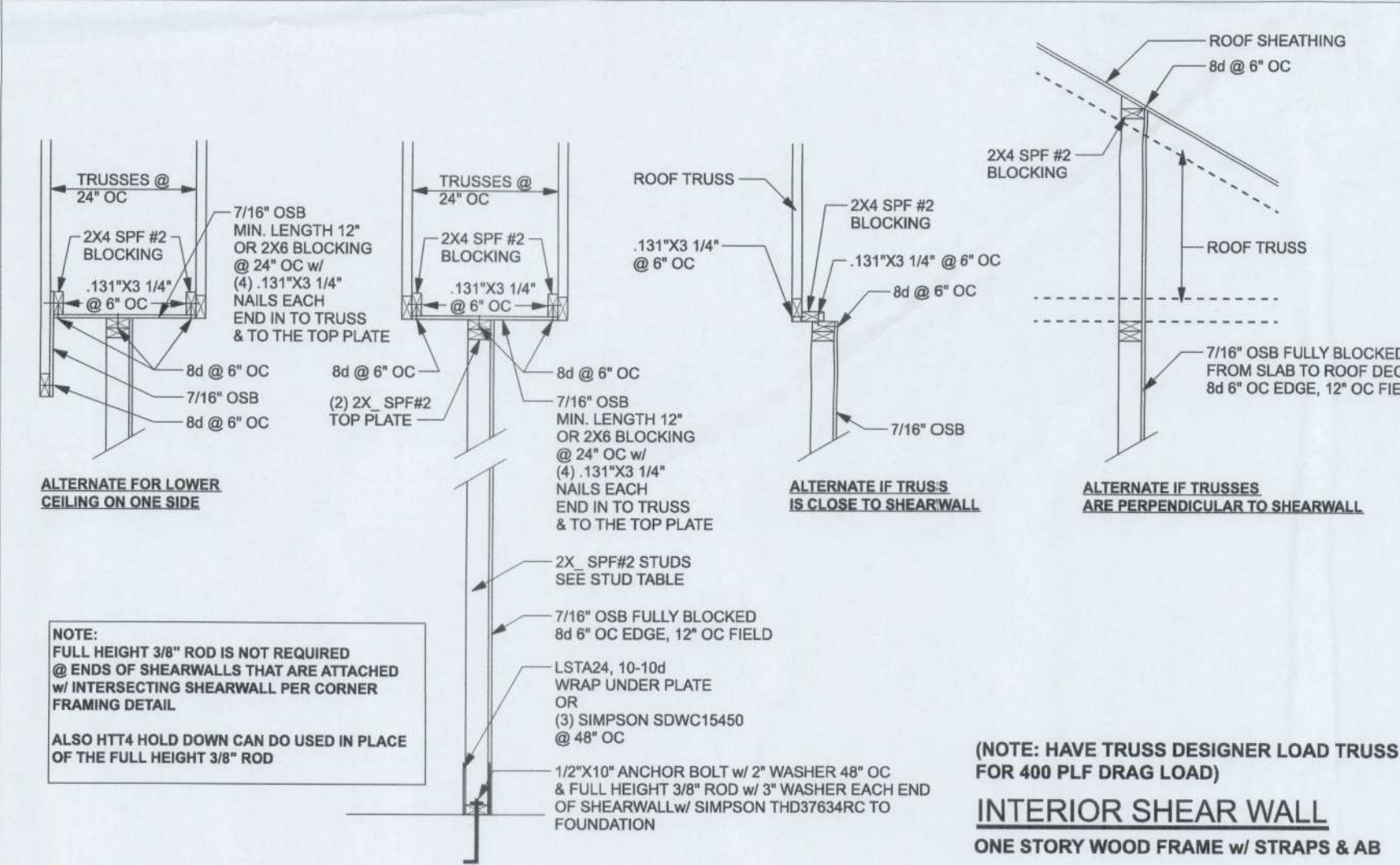


**(TYP.) GIRDER TRUSS HOLD DOWN DETAIL**  
WOOD FRAME w/ STRAPS & ANCHORS

| Uplift SP | Uplift SPF | Truss Connector       | To Plate               | To Truss/Rafter          |
|-----------|------------|-----------------------|------------------------|--------------------------|
| 805       | 505        | SDWC15600             | -                      | -                        |
| 415       | 290        | H3                    | 4-8x1 1/2"             | 4-8x1 1/2"               |
| 615       | 540        | H2.5A                 | 5-8x1 1/2"             | 5-8x1 1/2"               |
| 1340      | 1015       | H10A                  | 9-10x1 1/2"            | 9-10x1 1/2"              |
| 720       | 620        | LTS12-20              | 6-10x1 1/2"            | 6-10x1 1/2"              |
| 1000      | 860        | MTS12-30              | 7-10x1 1/2"            | 7-10x1 1/2"              |
| 1450      | 1245       | HTS20-30              | 12-10x1 1/2"           | 12-10x1 1/2"             |
| Uplift SP | Uplift SPF | Strap Ties            | To One Member          | To Other Member          |
| 1235      | 1235       | LSTA21                | 9-10d                  | 9-10d                    |
| 1640      | 1455       | MSTA24                | 9-10d                  | 9-10d                    |
| 1030      | 1030       | CS20                  | 7-10d                  | 7-10d                    |
| 585       | 535        | SP1                   | 6-10d                  | 4-10d                    |
| 1065      | 605        | SP2                   | 8-10d                  | 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 @ Stemwall   | To Stud / Post         | Anchor                   |
| 1825      | 1800       | DT12Z                 | 8-SDS 1/4"x1 1/2"      | 1/2"x12" Titen HD        |
| Uplift SP | Uplift SPF | Holdowns @ Mono       | To Stud / Post         | Anchor                   |
| 4235      | 3640       | HTT4                  | 18-16x12 1/2"          | 1/2"x12" Titen HD        |
| 1825      | 1800       | DT12Z                 | 8-SDS 1/4"x1 1/2"      | 1/2"x8" Titen HD         |
| 4235      | 3640       | HTT4                  | 18-16x12 1/2"          | 1/2"x12" Titen HD        |
| Uplift SP | Uplift SPF | Post Bases @ Stemwall | To Plate               | Anchor                   |
| 1800      | 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 Plate               | Anchor                   |
| 1400      | ABU44Z     | 12-16d                | 5/8"x7" Drill & Epoxy  |                          |
| 2475      | ABU66Z     | 12-16d                | 5/8"x7" Drill & Epoxy  |                          |

| STUD HEIGHT      | 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                                                                                                                                                                                                                                                                                                                                                                                            |

|      |              | 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     | 2850 | 2.0 |
| PSL  | PARALAM      | 2900 | 2.0 |



**INTERIOR SHEAR WALL**  
ONE STORY WOOD FRAME w/ STRAPS & AB

## 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. 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 BUILDERS RESPONSIBILITY 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. NOT TO EXCEED 3'.

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" W1 x 4 W1, 4 #8, 8KSI, WELDED WIRE REINFORCEMENT FABRIC (W.W.F.) CONFORMING TO ASTM A186, LOCATED IN MIDDLE OF THE SLAB, SUPPORTED WITH APPROVED MATERIALS OR SUPPORTS AT SPACINGS NOT TO EXCEED 3'.

FIBER CONCRETE CURB: CONCRETE SLABS ON GROUND CONTAINING SYNTHETIC FIBER REINFORCEMENT FABRIC (W.W.F.) CONFORMING TO ASTM A186, LOCATED IN MIDDLE OF THE SLAB, SUPPORTED WITH APPROVED MATERIALS OR SUPPORTS AT SPACINGS NOT TO EXCEED 3'.

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 RATIO OF SLAB AREAS SHALL EXCEED 1.5 AND TYPICAL SPACING OF CUTS TO BE 12FT. DO NOT CUT WMM OR REINFORCING STEEL. RECOMMENDED LOCATION OF CONTROL JOINTS IS SUBJECT TO OWNER AND CONTRACTORS APPROVAL. THE CONTROL JOINTS ARE NOT INTENDED TO PREVENT CRACKS BUT RATHER TO ENCOURAGE THE SLAB TO CRACK ON A GIVEN LINE.)

REBAR: ASTM A615, GRADE 40, DEFORMED BARS,  $F_y = 40$  KSI, ALL LAP SPLICES 40" DB (25" FOR 45 BARS), UNO. ALL REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 315-88, U.N.O.

ROOF SHEATHING: ALL ROOFS ARE HORIZONTAL. DIAPHRAGMS, SHEATHING, UNLOCKED, 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 15" 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 OMMITS A CONTINUOUS LOAD PATH CONNECTION, CALL THE WIND LOAD ENGINEER IMMEDIATELY.  
VERIFY THE TRUSS MANUFACTURER'S SEALED ENGINEERING INCLUDES TRUSS DESIGN, PLACEMENT PLANS, TEMPORARY AND PERMANENT BRACING DETAILS, TRUSS-TO-TRUSS CONNECTIONS, AND UPLIFT AND REACTION LOADS FOR ALL BEARING LOCATIONS.

**ROOF SYSTEM DESIGN:**  
THE SEAL ON THESE PLANS FOR COMPLIANCE WITH FBCR, IS BASED ON REACTIONS, UPLIFTS, AND BEARING LOCATIONS IN TRUSS ENGINEERING SUBMITTED TO THE WIND LOAD ENGINEER. IT IS THE RESPONSIBILITY OF THE BUILDER TO CHECK ALL DETAILS OF THE COMPLETE ROOF SYSTEM DESIGN SUBMITTED BY THE TRUSS MANUFACTURER AND HAVE IT SIGNED, AND SEALED BY A DESIGN PROFESSIONAL FOR CORRECT APPLICATION OF FBCR REQUIRED LOADS AND ANY SPECIAL LOADS. THE BUILDER IS RESPONSIBLE TO REVIEW EACH INDIVIDUAL TRUSS MEMBER AND THE TRUSS ROOF SYSTEM AS A WHOLE AND TO PROVIDE RESISTANT FOR ANY LATERAL BRACING. THE BUILDER SHOULD USE CARE CHECKING THE ROOF DESIGN BECAUSE THE WIND LOAD ENGINEER IS SPECIFICALLY NOT RESPONSIBLE FOR THE TRUSS LAYOUT WHICH WAS CREATED BY THE TRUSS MANUFACTURER AND THE TRUSS DESIGNER ALSO DENIES RESPONSIBILITY FOR THE LAYOUT PER NOTES ON THEIR SEALED TRUSS SHEETS.

JASON & CHRISTIE  
GERKE

PROJECT ADDRESS:  
PARCEL NUMBER:  
36-04-0000-0000  
COLUMBIA COUNTY, FLORIDA

Mark Disosway FL PE 53915



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S-1  
OF 6 SHEETS



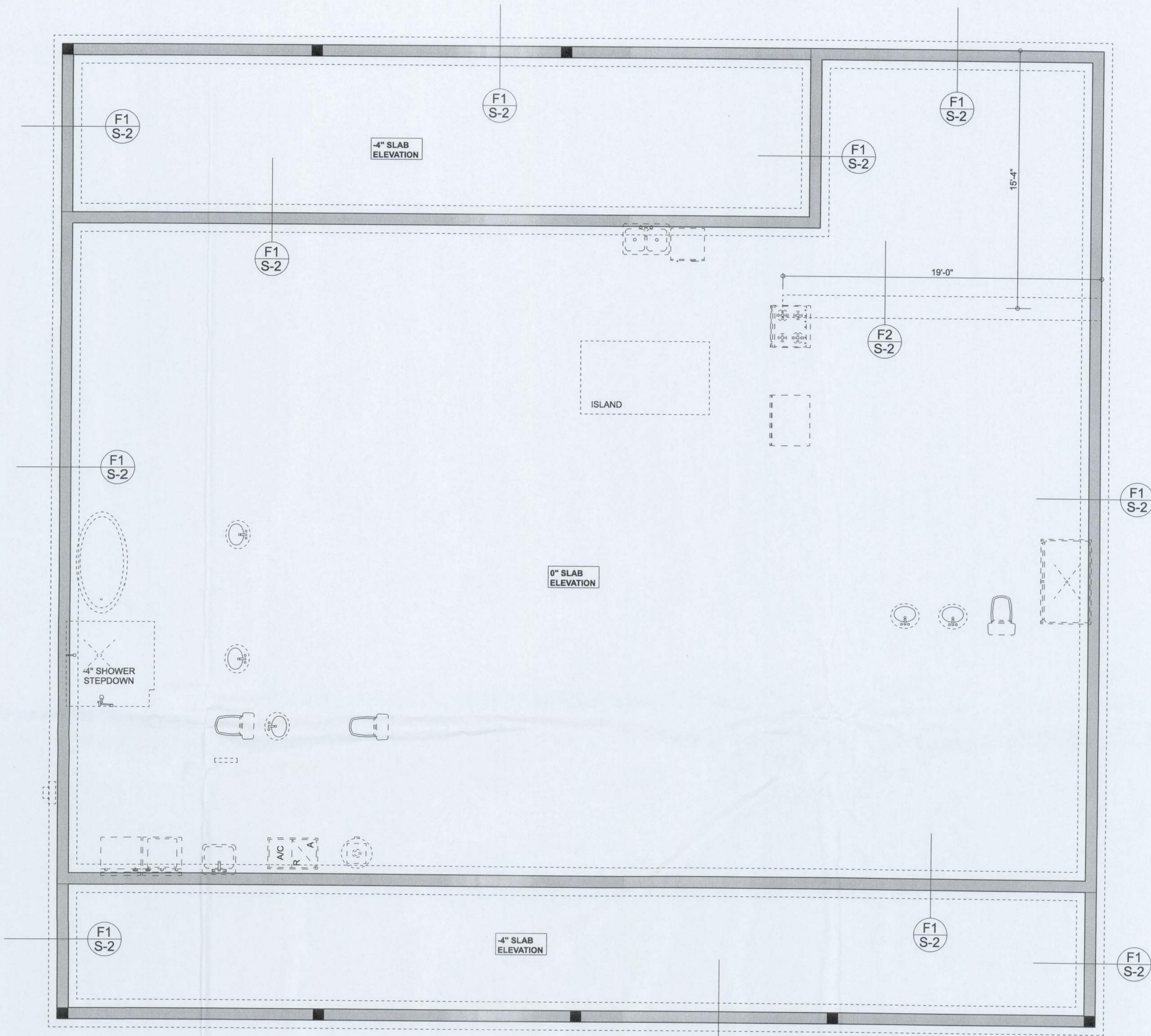
TALL STEM WALL TABLE: The table assumes 40 ksi for #5 rebar and 60 ksi for #7 & #8 rebar with 6" hook in the footing and bent 24" into the reinforced slab at the top. The vertical steel is to be placed toward the tension side of the CMU wall (away from the soil pressure, within 2" of the exterior side of the wall). If the wall is over 8' high, add Duowall ladder reinforcement at 16" OC vertically or a horizontal bond beam with 1#5 continuous at mid height. For higher parts of the wall 12" CMU may be used with reinforcement as shown in the table below.

| STEM WALL HEIGHT (FEET) | UNBALANCED BACKFILL HEIGHT | VERTICAL REINFORCEMENT FOR 8" CMU STEM WALL (INCHES O.C.) |    |    | VERTICAL REINFORCEMENT FOR 12" CMU STEM WALL (INCHES O.C.) |    |    |
|-------------------------|----------------------------|-----------------------------------------------------------|----|----|------------------------------------------------------------|----|----|
|                         |                            | #5                                                        | #7 | #8 | #5                                                         | #7 | #8 |
| 3.3                     | 3.0                        | 96                                                        | 96 | 96 | 96                                                         | 96 | 96 |
| 4.0                     | 3.7                        | 96                                                        | 96 | 96 | 96                                                         | 96 | 96 |
| 4.7                     | 4.3                        | 88                                                        | 96 | 96 | 96                                                         | 96 | 96 |
| 5.3                     | 5.0                        | 56                                                        | 96 | 96 | 96                                                         | 96 | 96 |
| 6.0                     | 5.7                        | 40                                                        | 80 | 96 | 80                                                         | 96 | 96 |
| 6.7                     | 6.3                        | 32                                                        | 56 | 80 | 56                                                         | 96 | 96 |
| 7.3                     | 7.0                        | 24                                                        | 40 | 56 | 40                                                         | 80 | 96 |
| 8.0                     | 7.7                        | 16                                                        | 32 | 48 | 32                                                         | 64 | 80 |
| 8.7                     | 8.3                        | 8                                                         | 24 | 32 | 24                                                         | 48 | 64 |
| 9.3                     | 9.0                        | 8                                                         | 16 | 24 | 16                                                         | 40 | 48 |

MASONRY NOTE: MASONRY CONSTRUCTION AND MATERIALS FOR THIS PROJECT SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 530.1/ASCE 8/TMS 602). THE CONTRACTOR AND MASON MUST IMMEDIATELY, BEFORE PROCEEDING, NOTIFY THE ENGINEER OF ANY CONFLICTS BETWEEN ACI 530.1-02 AND THESE DESIGN DRAWINGS. ANY EXCEPTIONS TO ACI 530.1-02 MUST BE APPROVED BY THE ENGINEER IN WRITING.

| ACI 530.1-02 Section                     | Specific Requirements                                                                                                                                                         |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.4A Compressive strength                | 8" block bearing walls F'm = 1500 psi                                                                                                                                         |
| 2.1 Mortar                               | ASTM C 270, Type N, UNO                                                                                                                                                       |
| 2.2 Grout                                | ASTM C 476, admixtures require approval                                                                                                                                       |
| 2.3 CMU standard                         | ASTM C 90-02, Normal weight, Hollow, medium surface finish, 8"x8"x16" running bond and 12"x12" or 16"x16" column block                                                        |
| 2.3 Clay brick standard                  | ASTM C 216-02, Grade SW, Type FBS, 5.9"x2.75"x11.5"                                                                                                                           |
| 2.4 Reinforcing bars, #3 - #11           | ASTM A615, Grade 40, Fy = 40 ksi, Lap splices min 40 bar dia. (25" for #5)                                                                                                    |
| 2.4F Coating for corrosion protection    | Anchors, sheet metal ties completely embedded in mortar or grout, ASTM A525, Class G60, 0.60 oz/lb or 304SS                                                                   |
| 2.4F Coating for corrosion protection    | Joint reinforcement in walls exposed to moisture or wire ties, anchors, sheet metal ties not completely embedded in mortar or grout, ASTM A153, Class B2, 1.50 oz/lb or 304SS |
| 3.3.E.2 Pipes, conduits, and accessories | Any not shown on the project drawings require engineering approval.                                                                                                           |
| 3.3.E.7 Movement joints                  | Contractor assumes responsibility for type and location of movement joints if not detailed on project drawings.                                                               |

BOTTOM OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 12" BELOW UNDISTURBED SOIL OR ENGINEERED FILL

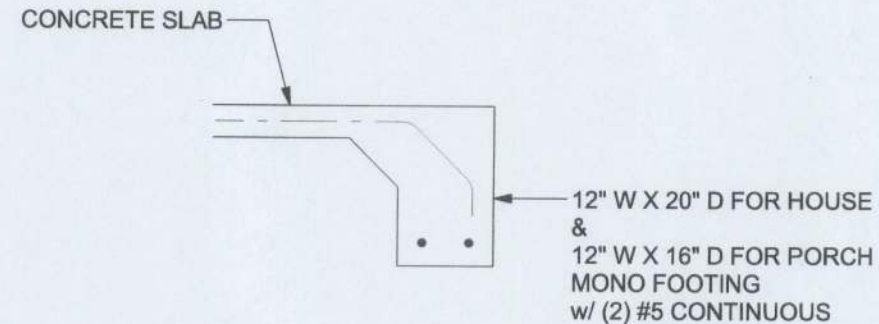


FOUNDATION PLAN

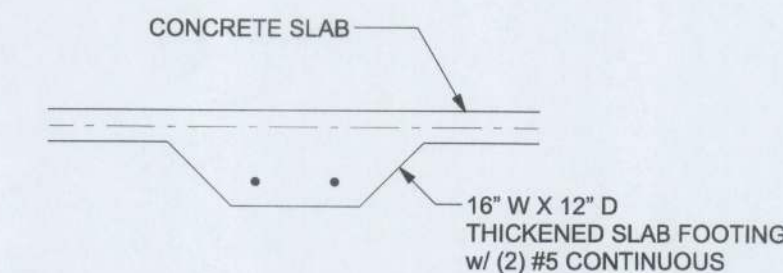
SCALE: 1/4" = 1'-0"

FOUNDATION NOTES

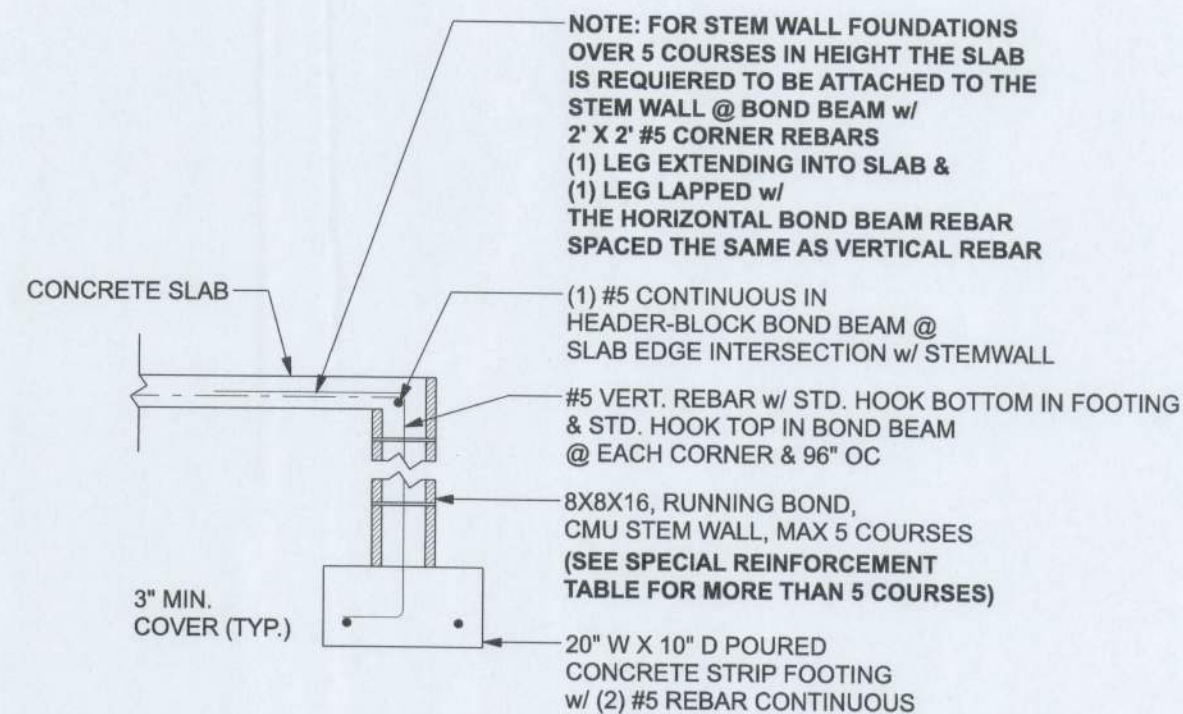
|        |                                                                                                                                                                                                                                                                                                                   |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FN - 1 | DIMENSIONS ON FOUNDATION & STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL PLANS FOR ACTUAL DIMENSIONS, RECESSES IN SLAB, STEP DOWNS, ETC. DISOSWAY DESIGN GROUP OR MARK DISOSWAY, P.E. IS NOT RESPONSIBLE FOR DIMENSION ERRORS ON THIS PLAN.                                                             |
| FN - 2 | CONTRACTOR SHALL VERIFY NEED FOR INTERIOR BEARING (BY THE SUPPLIER) BEFORE FINALIZING FOUNDATION PLAN                                                                                                                                                                                                             |
| FN - 3 | THE SLAB SHALL BE: 4" CONCRETE SLAB REINFORCED W/ 6X8-1/4" I 4 WELDED WIRE MESH PLACED ON CHAIRS @ 1'10" DEPTH OR FIBER MESH CONCRETE, 6-MIL POLY VAPOR BARRIER W/ 8" LAPS SEALED W/ POLY TAPE OVER TERMITE-TREATED & COMPACTED FILL (ALSO, ANY OTHER CODE APPROVED TERMITE-TREATMENT METHOD CAN BE USED INSTEAD) |



F1 S-2 ALT. MONOLITHIC FOOTING SCALE: 1/2" = 1'-0"



F2 S-2 INTERIOR BEARING FOOTING SCALE: 1/2" = 1'-0"



F1 S-2 STEM WALL FOOTING (HOUSE & PORCH) SCALE: 1/2" = 1'-0"



2025-02-28

DIMENSIONS: Stated dimensions supersede scaled dimensions. Refer all questions to Mark Disosway, 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.

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JOB NUMBER:  
240824

S-2  
OF 6 SHEETS

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