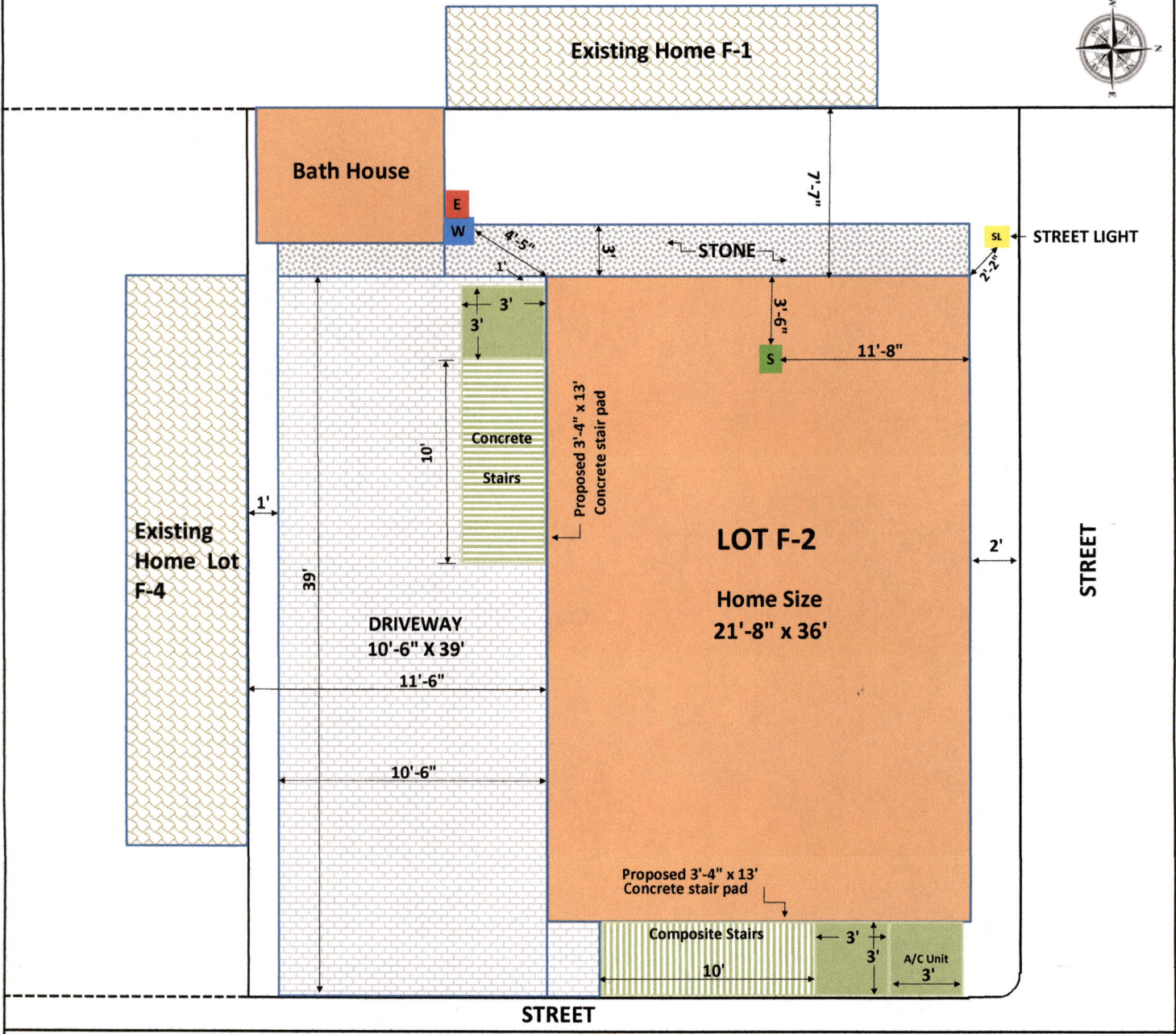


Site Plan: Shotgun Set  
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Community: Gulf Shore of Longboat Key  
 Site Number: Lot F-2

Home Size 21'-8" X 36'

Home Orientation: Shotgun



Address: 3710 Gulf of Mexico Drive, Longboat Key, FL 34228

Notes: ■ W Water ■ S Sewer ■ E Electric Pedestal ■ SL Street Light

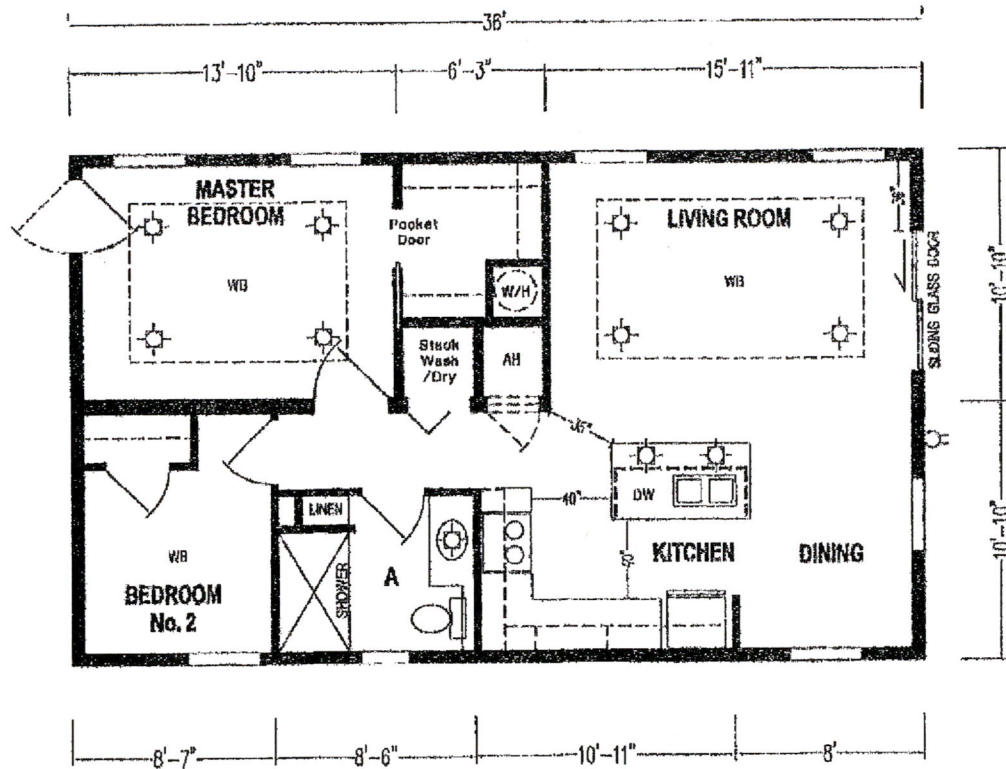
Permit # PB 25-0413  
 REVIEWED FOR CODE COMPLIANCE  
 LONGBOAT KEY BUILDING DEPT.

APR 28 2025

APPROVED

Reviewer: Nat

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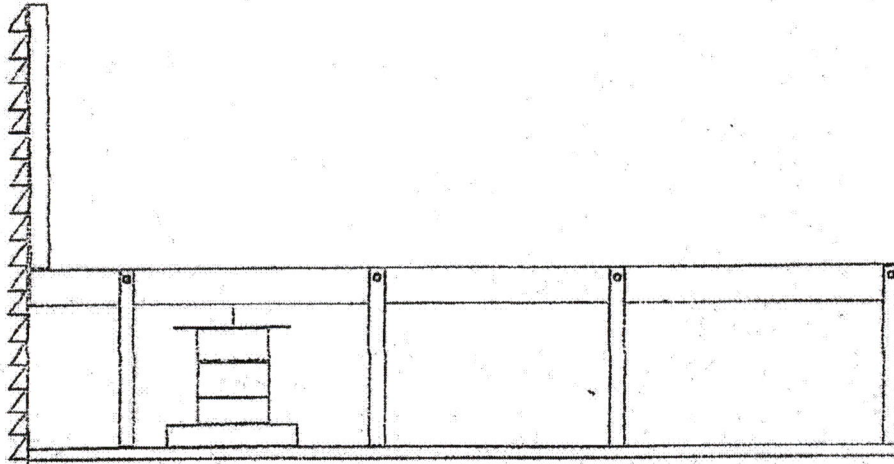
07/22/2024	4805			
<b>SKYLINE</b>				
DRAWN BY: KS	WIND ZONE: 39#47#			
DATE: 07/22/2024	ROOF ZONE			
SHEET _____ OF _____				
243 LANCASTER	BOX LENGTH	DESCRIPTION	CHB MODEL NUMBER	DRAWING NUMBER
246 McMINNVILLE	36'-0"	3622-2CIK-2B	Mike Nagy - Eduardo Revision #4	24-03986-060

Long Boat Stock





# INSTALLATION OF LAP TO GROUND--(WALL SECTION)



1. Metal bracing is 2x3 24 gauge metal studs placed 30" apart, attached to home with 3/4" screws and buried in the ground 6".
2. Concrete installation studs will be installed from bottom of home using 3/4" screws and attached to concrete using 1" concrete nails or 1" tap-cons.
3. Siding follows down with lap attached to studs using 3/4" screws and buried in the ground on the bottom.
4. Access door will be 32" x 32".
5. There are four rows of perforation around the length of the home. Each row has 0.036 square foot of ventilation per linear foot. Four rows has 0.144 square foot per linear foot.

$$0.144 \times \frac{112}{\text{Linear Feet}} = \frac{16.128}{\text{Total Square Foot of Ventilation}}$$

Example:  $0.144 \times 160\text{ft} = 23.04$  square foot of ventilation

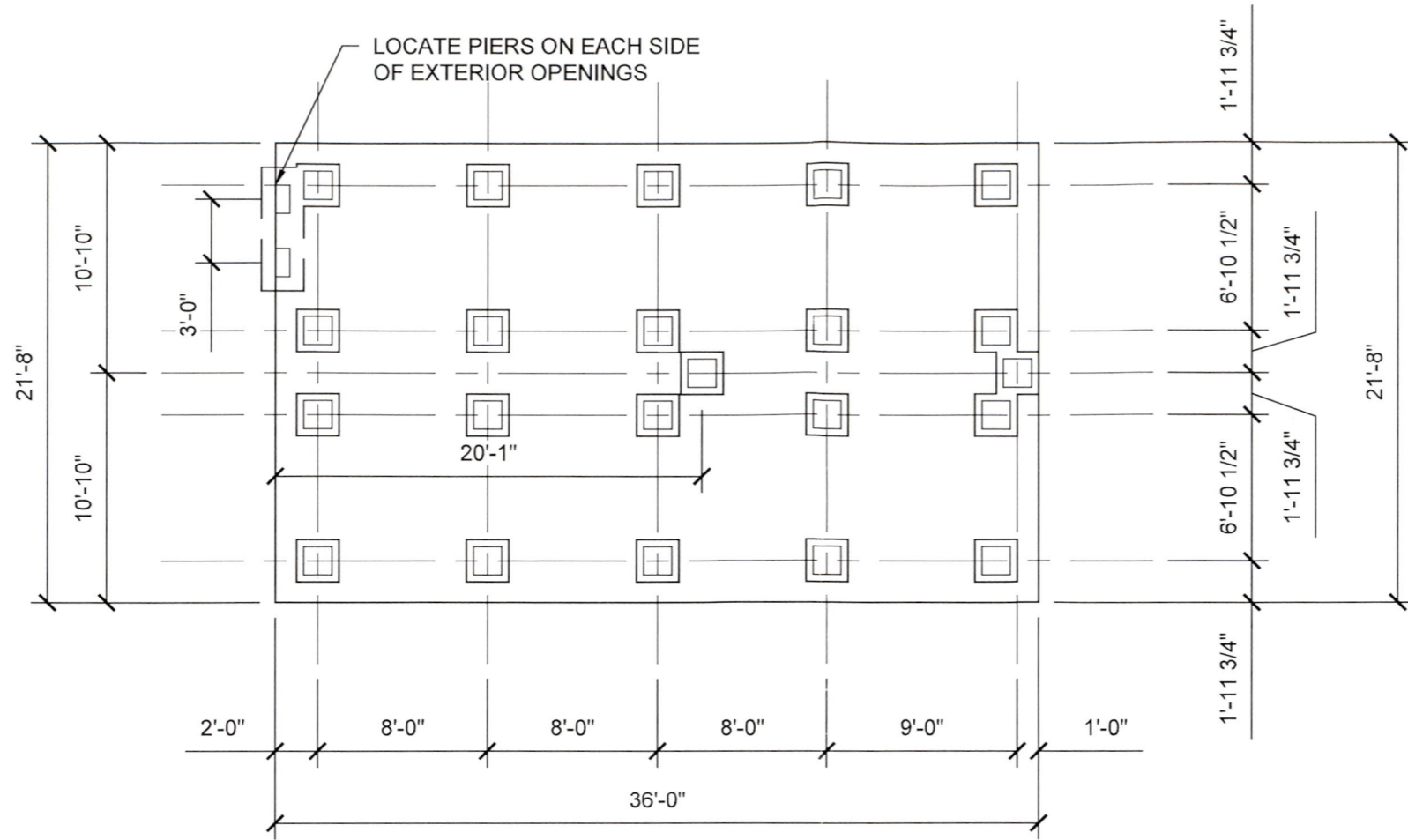
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PIER LEGEND

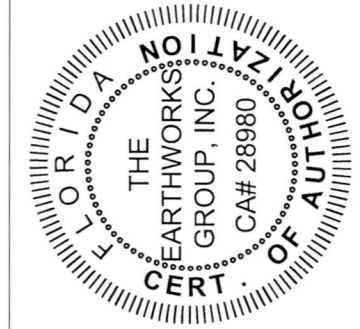
- 16" SQ STEEL BEAM PIER SUPPORT
- 16" SQ MARRIAGE WALL PIER SUPPORT
- 8" x 16" PIER SUPPORT

1. FOLLOW ALL MANUFACTURED HOME INSTALLATION MANUAL GUIDELINES FOR ACTUAL SETUP. THIS PLAN IS FOR REFERENCE OF THE FLOOD ELEVATION ONLY SHOWN IN THE TYP. SECTION WHICH IS BASED UPON THE ELEVATION CERTIFICATE PROVIDED BY THE CONTRACTOR FOR LOT F2 3710 GULF OF MEXICO DR, LONGBOAT KEY, FL 34228

GENERAL NOTES

1. THE CONTRACTOR MUST VERIFY THE I-BEAM SPACING WIDTH BEFORE INSTALLATION OF THE FOUNDATION VERIFYING THE THE LINE OF FOUNDATION PIERS ARE CENTERED ON THE I-BEAM
2. ADDITIONAL PIERS ARE REQUIRED AT EACH SIDE OF EXTERIOR DOOR OPENING
3. THE HOME WILL BE ON A CRAWL SPACE AND THE A/C WILL BE THE LOWEST MACHINERY SERVICING THE HOME. SMART VENT PRODUCTS MODEL #1540-510: VENTILATED WITH LOUVERED BLADES AND SCREEN IS TO BE USED DUE TO IT PROVIDES 200 SQ FT. COVERAGE PER VENT.
4. ELECTRICAL AND MECHANICAL SYSTEMS INCLUDING DUCT WORK SHALL BE LOCATED ABOVE DESIGN FLOOD ELEVATION PER FBC R322.1.6
5. ELEVATIONS ARE IN NAVD UNITS OF MEASURE ON PLANS. PER FBC 107.3.5

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**EARTHWORKS**  
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11655 HIGHWAY 707  
MURRELLS INLET, SC 29576  
843.651.7900  
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www.earthworksgroup.com

LOT F2  
3710 GULF OF MEXICO DR,  
LONGBOAT KEY, FL 34228

PREPARED FOR:  
**CHAMPION HOMES**

FOUNDATION PLAN

ADDITIONS, SUBMITTALS, & REVISIONS		BY	REV	DATE	DESCRIPTION
1	ISSUED FOR PERMIT	BKB	5	---	---
2	---	---	6	---	---
3	---	---	7	---	---
4	---	---	8	---	---

PROJECT #: 251005.000

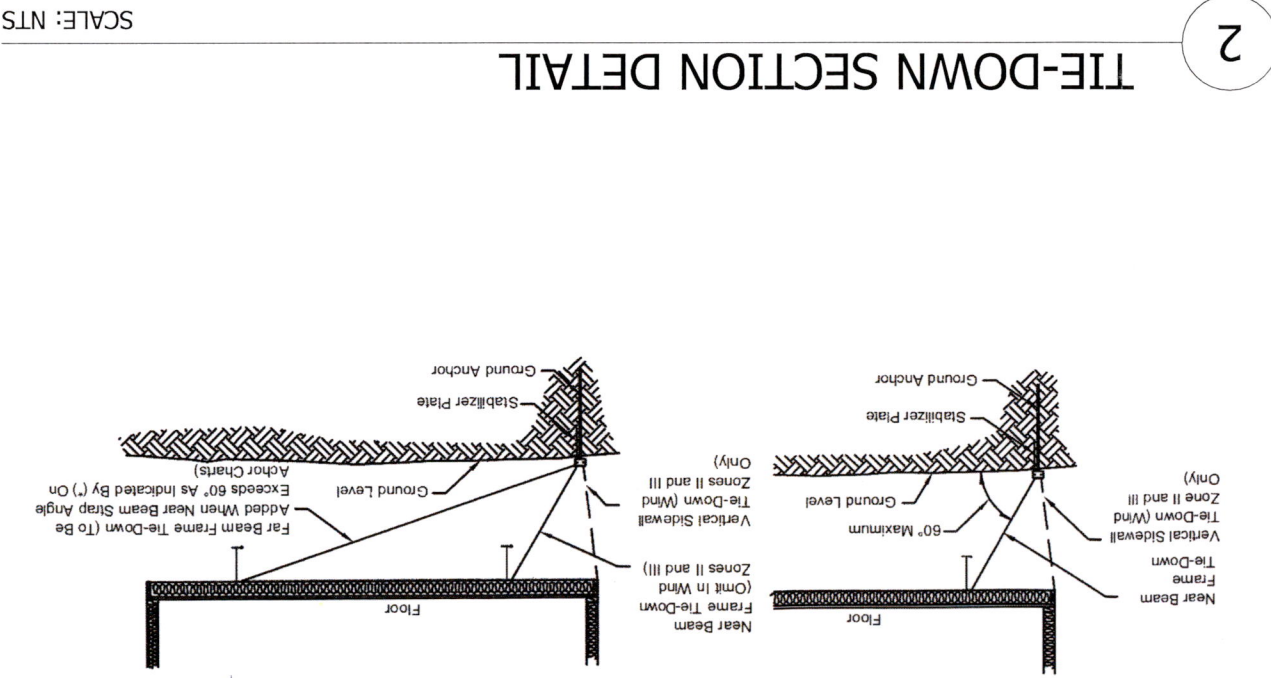
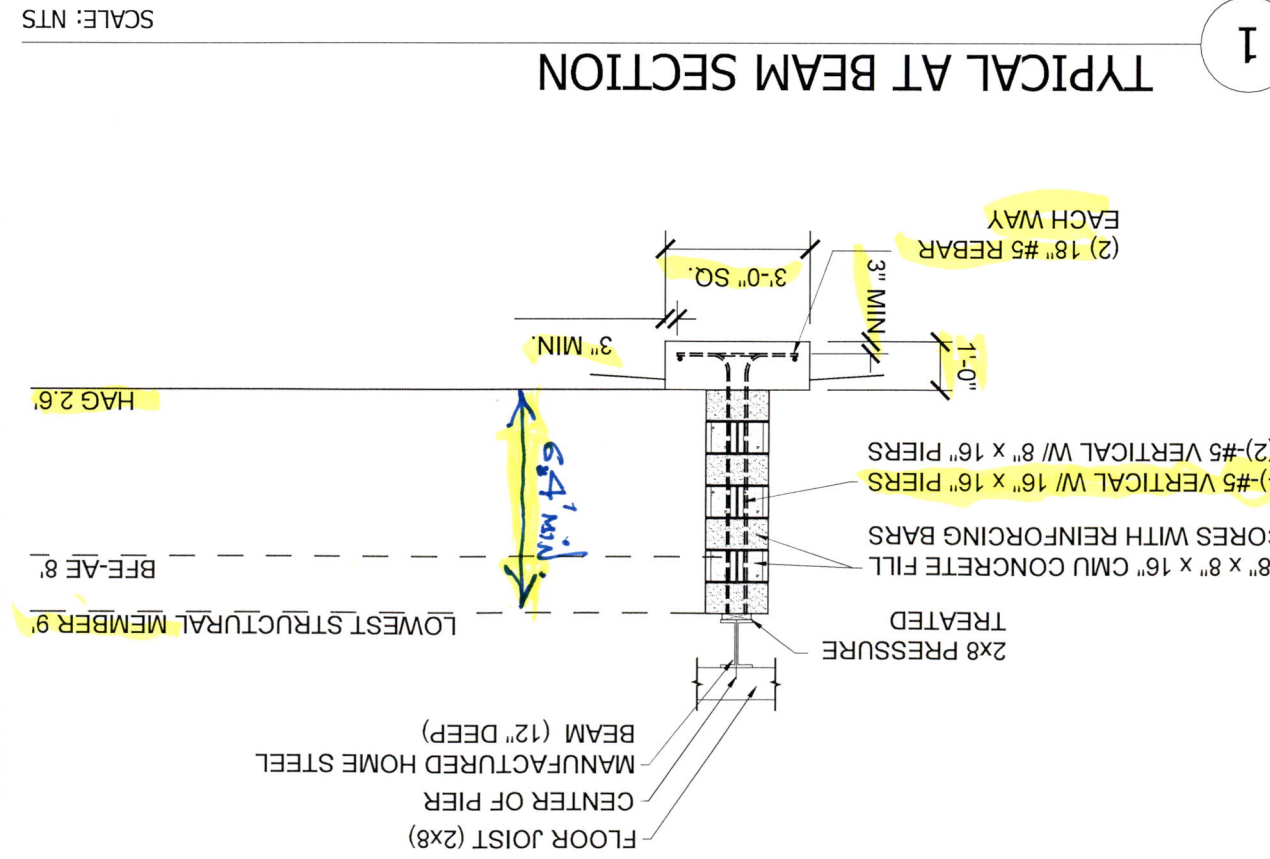
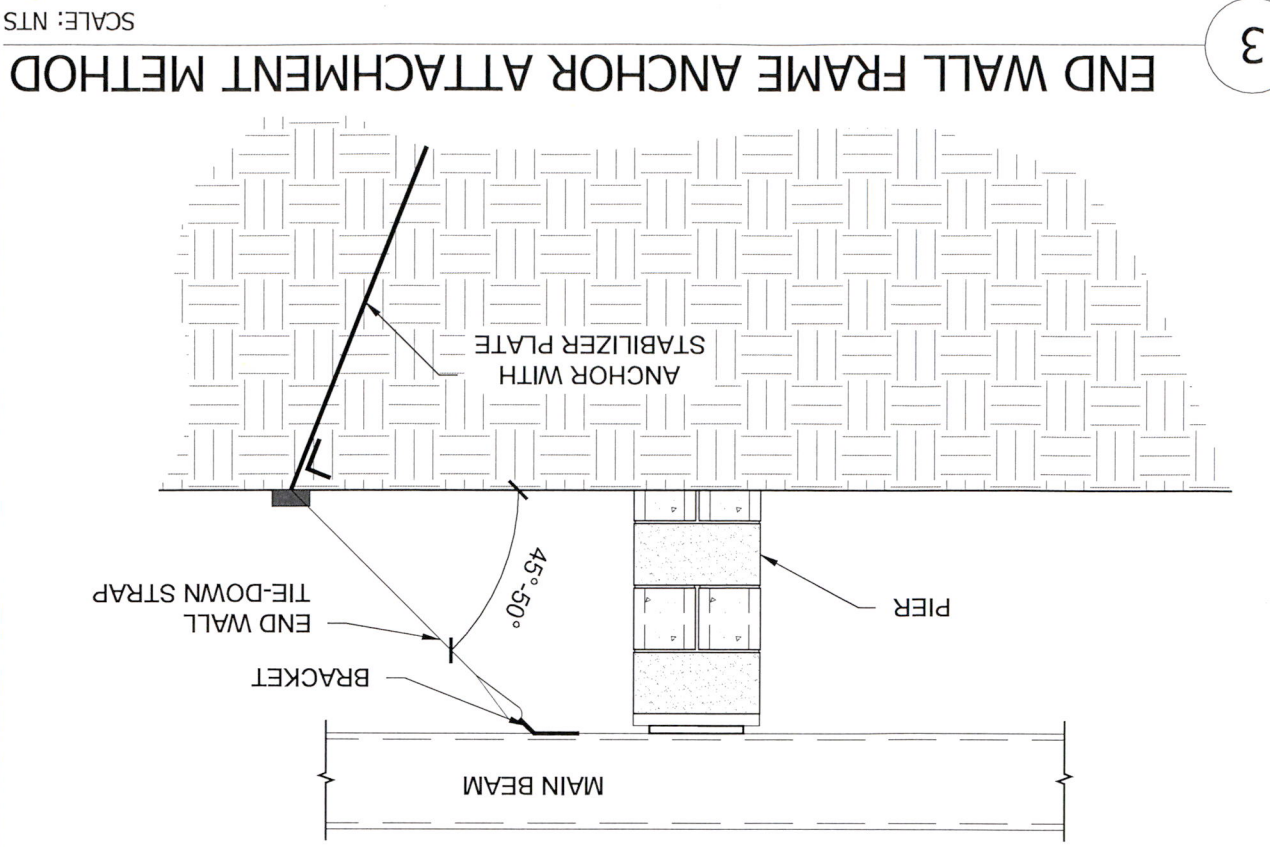
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FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

BLDG PERMIT PLANS  
FILE  
Copy of Record

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**TOWN OF LONGBOAT KEY**  
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**LOT F2**  
3710 GULF OF MEXICO DR.  
LONGBOAT KEY, FL 34228

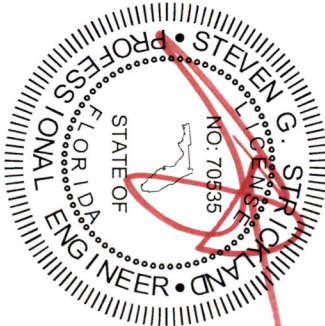
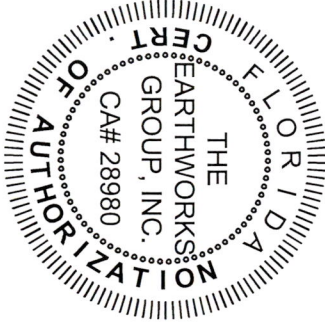
PREPARED FOR:  
**CHAMPION HOMES**

**FOUNDATION DETAILS**

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
1	1/16/2025	ISSUED FOR PERMIT	BKB	5			
2				6			
3				7			
4				8			

PROJECT #: 251005.000

**S1.02**



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STRUCTURAL NOTES

A. GENERAL

1. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE AND TO ENSURE THE STABILITY OF THE BUILDING AND ITS COMPONENT PARTS, AND THE ADEQUACY OF TEMPORARY OR INCOMPLETE CONNECTIONS, DURING ERECTION. THIS INCLUDES THE ADOPTION OF ANY STRONG, SHEETING, BRACING OR TIEDOWNS THAT MIGHT BE NECESSARY. SUCH MATERIAL IS NOT SHOWN ON CONNECTION MEANS AND METHODS OR JOB SITE SAFETY DURING CONSTRUCTION. PROCESSING AND/OR APPROVING SUCH MATERIAL MADE BY THE CONTRACTOR WHICH MAY CONTRADICT INFORMATION RELATED TO CONSTRUCTION METHODS OR SAFETY ISSUES, OR PARTICIPATION IN MEETINGS WHERE SUCH ISSUES MIGHT BE DISCUSSED, SHALL NOT BE CONSIDERED AS VOLUNTARY ASSUMPTION BY THE ENGINEER OF ANY RESPONSIBILITY FOR SAFETY PROCEDURES.
2. IT IS SOLELY THE RESPONSIBILITY OF EACH CONTRACTOR TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION. THE ENGINEER DOES NOT SUPERVISE CONSTRUCTION UNLESS CONTRACTED TO DO SO. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE BUILDING AND ITS COMPONENT PARTS, AND THE ADEQUACY OF TEMPORARY OR INCOMPLETE CONNECTIONS, DURING ERECTION. THIS INCLUDES THE ADOPTION OF ANY STRONG, SHEETING, BRACING OR TIEDOWNS THAT MIGHT BE NECESSARY. SUCH MATERIAL IS NOT SHOWN ON CONNECTION MEANS AND METHODS OR JOB SITE SAFETY DURING CONSTRUCTION. PROCESSING AND/OR APPROVING SUCH MATERIAL MADE BY THE CONTRACTOR WHICH MAY CONTRADICT INFORMATION RELATED TO CONSTRUCTION METHODS OR SAFETY ISSUES, OR PARTICIPATION IN MEETINGS WHERE SUCH ISSUES MIGHT BE DISCUSSED, SHALL NOT BE CONSIDERED AS VOLUNTARY ASSUMPTION BY THE ENGINEER OF ANY RESPONSIBILITY FOR SAFETY PROCEDURES.
3. EQUIPMENT, FRAMING LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO HVAC, PLUMBING OR ELECTRICAL REQUIREMENTS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL COORDINATE THIS INFORMATION WITH THE INVOLVED TRADES BEFORE PROCEEDING WITH SUCH PORTION OF THE WORK. EXCESS COST RELATED TO VARIATION IN THESE REQUIREMENTS TO BE BORNE BY THE APPROPRIATE CONTRACTOR.
4. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THESE STRUCTURAL NOTES, THE SPECIFICATIONS, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN, DO NOT SCALE THESE DRAWINGS, USE DIMENSIONS.
5. GOVERNING CODE: FLORIDA BUILDING CODE (RESIDENTIAL 2023) IN ACCORDANCE WITH ASCE 7-16 BUILDING RISK CATEGORY II
6. H=10.0, L=110.0, W=110.0
7. WIND DESIGN PARAMETERS
8. BASIC WIND SPEED - U=115.0
9. WIND EXPOSURE - EXPOSURE D
10. MEAN WIND DESIGN PRESSURE - 45 PSF
11. MEAN ROOF HT. - 15'-0"
12. MAX. ROOF UPLIFT - 45 PSF (END ZONE) 50 PSF (INTERNAL)
13. INTERNAL PRESSURE COEFFICIENT FOR ENCLOSED STRUCTURE - q = -0.18
14. TORNAADO STATEMENT
15. TORNAADO WIND SPEED = 200 MPH
16. TORNAADO VELOCITY COMPLIANCE IS NOT REQUIRED FOR RISK CATEGORY I AND II STRUCTURES PER 2023 IFBC RESIDENTIAL, (R301) 2.1.1, BUILDING 1601.3.4 AND ASSET-22
17. SEISMIC DESIGN PARAMETERS
18. DESIGN SPECTRAL ACCELERATION PARAMETERS
19. S&A=0.09 S&I=0.06
20. SEISMIC DESIGN CATEGORY - CATEGORY A
21. SITE CLASS D
22. BASIC STRUCTURAL SYSTEM - BEARING WALL
23. SEISMIC RESPONSE SYSTEM - LIGHT FRAME WALLS W/ SHEAR PANELS AT ALL OTHER MATERIAL
24. SEISMIC MODIFICATION FACTOR (R) = 2
25. SEISMIC BASE SHEAR - 0.085W
26. ANALYSIS PROCEDURE - EQUIVALENT LATERAL FORCE
27. LOADINGS
28. ROOF DEAD LOAD - 20 PSF
29. ROOF LIVE LOAD - 20 PSF
30. FLOOR DEAD LOAD - 20 PSF
31. FLOOR LIVE LOAD - 40 PSF
32. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH ARCHITECTURAL FLOOR PLANS PRIOR TO CONSTRUCTION. ARCHITECTURAL FLOOR PLANS SHALL GOVERN DIMENSIONS, AND ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY. DO NOT SCALE DRAWINGS.
33. RESIDENTIAL PROJECTS ARE DESIGNED TO MEET REQUIREMENTS OF FLORIDA BUILDING CODE (RESIDENTIAL 2023) FOR WIND AND SEISMIC LOADS. COMMERCIAL PROJECTS ARE DESIGNED TO MEET REQUIREMENTS OF FLORIDA BUILDING CODE (RESIDENTIAL 2023) FOR WIND AND SEISMIC LOADS. SEE ALSO DESIGN CRITERIA.
34. FIRST FLOOR WINDOWS AND DOORS SHALL HAVE A RATING OF D590. GARAGE DOORS TO HAVE DR RATING OF 25. SECOND FLOOR WINDOWS SHALL HAVE A RATING OF D590.
35. SOIL FOUNDATION DESIGNED BASED ON MINIMUM BEARING CAPACITY OF 2000 PSF. CONTRACTOR TO VERIFY SOIL CONDITIONS PRIOR TO PLACEMENT OF CONCRETE. ORGANIC SOILS TO BE REMOVED AND STRUCTURAL FILL PLACED AND COMPACTED PRIOR TO CONCRETE PLACEMENT. CONTRACTOR TO NOTIFY OWNER IF SOIL CONDITIONS DO NOT HAVE ADEQUATE BEARING CAPACITY.
36. NOTE ON TREATED LUMBER CONNECTIONS - ALL NAILS, BOLTS, SCREWS AND CONNECTORS THAT MAY COME INTO CONTACT WITH TREATED LUMBER WILL BE HOT DIPPED GALVANIZED (HDG), STAINLESS STEEL (SS), OR OTHER MATERIALS APPROVED BY THE MANUFACTURER TO MINIMIZE CORROSION CAUSED BY ACQ TREATMENT CHEMICALS.
37. APPLICABLE ALUMINUM SPECIFICATION CODES: AA-ALUM 35 AND 2020 ALUMINUM DESIGN MANUAL

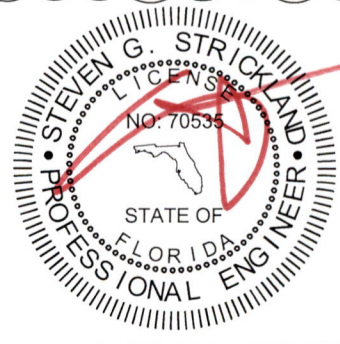
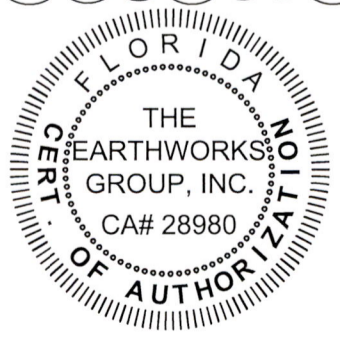
B. REINFORCED CONCRETE

1. MATERIALS
- 1.a. SPECIFICATIONS IN GENERAL, COMPLY WITH ACI 318-14 "SPECIFICATIONS FOR STRUCTURAL CONCRETE"
- 1.b. STRUCTURAL CONCRETE
- 1.c. LOCATION
- 1.d. FINISH
- 1.e. ALL EXTERIOR CONCRETE NOT OTHERWISE IDENTIFIED
- 1.f. RAISED STEELWALL SLABS & CONCRETE ON GRADE: FINISH
- 1.g. MONOLITHIC SLABS ON GRADE & ALL INTERIOR CONCRETE NOT OTHERWISE IDENTIFIED
- 1.h. ALL EXTERIOR CONCRETE NOT OTHERWISE IDENTIFIED
- 1.i. ALL DEFORMED REINFORCING BARS: F<sub>y</sub> = 60,000 ASTM A615 GRADE 60
- 1.j. MIXES: ALL CONCRETE MIXES SHALL BE DESIGNED BY THE SUPPLIER TO MEET THE REQUIREMENTS SET FORTH HEREIN.
- 1.k. SLUMP: MAXIMUM ALLOWABLE SLUMP FOR CONCRETE SHALL BE 4" UNLESS OTHERWISE NOTED OR APPROVED. IF HIGHER SLUMP IS DESIRED TO INCREASE WORKABILITY, CONTRACTOR SHALL CONSULT WITH CONCRETE SUPPLIER ABOUT USING A CONCRETE ADDITIVE TO INCREASE WORKABILITY WITHOUT INCREASING WATER/CEMENT RATIO OF THE MIXTURE. THE CONTRACTOR SHALL VERIFY THAT ANY CONCRETE ADDITIVE WILL NOT HAVE ANY DETRIMENTAL EFFECTS ON EMBEDDED TIE-BARS, FINISHES INDICATED ON PLANS OR LIKELY FUTURE FINISHES.
- 1.l. FINISHING: FINISHING OF CONCRETE SHALL BE IN ACCORDANCE WITH ACI 301 LATEST EDITION.
- 1.m. CURING: BEGINNING IMMEDIATELY AFTER PLACEMENT, CONCRETE SHALL BE PROTECTED FROM PREMATURE DRYING EXCESSIVELY HOT OR COLD TEMPERATURES AND MECHANICAL INJURY AND SHALL BE MAINTAINED WITH MINIMAL MOISTURE LOSS AT RELATIVELY CONSTANT TEMPERATURE FOR THE PERIOD NECESSARY FOR THE HYDRATION OF THE CEMENT AND HARDENING OF THE CONCRETE. THE MATERIALS AND METHODS OF CURING SHALL CONFORM TO ACI 301.
2. FIELD MANUAL: PROVIDE AT LEAST ONE COPY OF THE ACI FIELD REFERENCE MANUAL, SP-15, IN THE FIELD OFFICE AT ALL TIMES.
3. MISCELLANEOUS
- 3.a. BENT BARS: IF REQUIRED, SHALL BE BENT PER MANUFACTURER'S RECOMMENDATIONS, UNLESS OTHERWISE APPROVED.
- 3.b. PROVIDE SUPPORTS AS REQUIRED TO MAINTAIN ALIGNMENT OF SCHEDULED REINFORCING.
- 3.c. GROUT UNDER COLUMN BASE PLATES SHALL BE NON-SHRINKING TYPE. THE USE OF LEVELING PLATES AT COLUMN BASES IS PROHIBITED. GROUT BELOW BEARING PLATES, SETTING PLATES AND COLUMN BASE PLATES IS TO BE INSTALLED ONLY AFTER THE STEELS IS PLUMBED.
4. SLABS
- 4.a. CONCRETE SLABS ON GRADE SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI 302.1R-98 "GUIDE FOR CONCRETE".
- 4.b. CONTROL JOINTS SHALL BE SPACED IN INTERIOR SLABS ON GRADE AT A MAXIMUM OF 20 FEET ON CENTER AND IN EXTERIOR SLABS ON GRADE AT A MAXIMUM OF 10 FEET ON CENTER, UNLESS OTHERWISE NOTED.
- 4.c. CONTROL JOINTS SHALL BE PRODUCED USING CONVENTIONAL PROCESSES WITHIN 4 TO 12 HOURS AFTER THE SLAB HAS BEEN FINISHED. REINFORCING STEEL SHALL NOT EXTEND THROUGH THE CONTROL JOINT.
- 4.d. CONSTRUCTION JOINTS PERMITTED ONLY WHERE SHOWN OR AS APPROVED BY THE STRUCTURAL ENGINEER. CONSTRUCTION JOINTS ARE TO BE KEPTED. KEYWAYS SHALL BE 1-1/2 INCHES DEEP x 1/2 MEMBER THICKNESS.
- 4.e. PROVIDE 10 MIL POLYETHYLENE VAPOUR BARRIER BETWEEN SIGSAFE AND CONCRETE SLAB.
- 4.f. TREAT SOIL FOR TENDRIES PRIOR TO PLACEMENT OF CONCRETE.
- 4.g. PREPARE SITE BY REMOVING ORGANIC/EXPANSIVE SOILS AND COMPACTING TO 95% PROCTOR DRY DENSITY.

C. STRUCTURAL LUMBER

1. SPECIFICATIONS IN GENERAL, COMPLY WITH THE LATEST EDITION OF THE FOLLOWING:
  - 1.a. NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.
  - 1.b. U.S. PRODUCT STANDARD PSI
2. MATERIALS
- 2.a. STRUCTURAL LUMBER (INCLUDING BEARING AND EXTERIOR WALL STUDS), MINIMUM PROPERTIES OF SPRUCE-PINE-FIR #2 ALLOWABLE STRESSES PER THE NATIONAL DESIGN SPECIFICATION SUPPLEMENT, LATEST EDITION, 10% MAXIMUM MOISTURE CONTENT. OTHER ACCEPTABLE SPECIES INCLUDE HEMLOCK, SOUTHERN PINE AND DOUGLASS PINE (LUMBER).
- 2.b. STRUCTURAL SHEATHING (PLYWOOD & OSB)
- 2.c. FOR ROOFS: OSB OR CD PLUGGED, SPLY, EXPOSURE 1, 7/16" THICK.
- 2.d. FOR WALLS: OSB OR CD PLUGGED, SPLY, EXPOSURE 1, 7/16" THICK.
- 2.e. FOR WALLS NOT A SHEAR WALLS: OSB 7/16" THICK WITH PANEL INDEX W4. EXPOSURE 1.
- 2.f. ALL FRAMING EXPOSED TO THE WEATHER OR IN CONTACT WITH MASONRY OR CONCRETE SHALL BE PRESSURE TREATED IN ACCORDANCE WITH THE AMERICAN WOOD PRESERVATION ASSOCIATION SPECIFICATIONS.
- 2.g. CUTS AND HOLES DUE TO ON-SITE FABRICATION SHALL BE BRUSHED WITH TWO COATS OF COPPER NAPHTHATE SOLUTION CONTAINING A MINIMUM OF 2% METALLIC COPPER IN SOLUTION (PER AWPA STD. M4).
3. CONNECTIONS
- 3.a. JOISTS & BATTENS TO SIDES OF BEAMS: 16 GA. GALVANIZED STANDARD JOIST HANGERS, UNLESS OTHERWISE NOTED.
- 3.b. PATTERS AND TRUSSES TO TOPS OF WALLS AND BEAMS: 18 GA. GALVANIZED HURRICANE ANCHORS.
- 3.c. PLYWOOD TO ROOF TRUSSES OR BATTENS: NAIL WITH RING-SHANK NAILS. SEE STRUCTURAL WOOD PANEL NOTES BELOW.
- 3.d. PROVIDE BLOCKING BETWEEN ROOF FRAMING AT PLYWOOD EDGES AND NAIL WITH EDGE NAILING PATTERN.
- 3.e. ALL METAL CONNECTIONS SHALL BE SIMPSON OR USP.
- 3.f. ALL CONNECTORS TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
- 3.g. STUD COLUMNS SHALL BE SECURED WITH TWO ROWS OF 3 INCH 10D NAILS SPACED 24 INCHES ON CENTER, UNLESS OTHERWISE NOTED.
- 3.h. LOAD VALUES FOR 8d, 10d, 16d AND 20d DESIGNATIONS IN THE FASTER SCHEDULES THROUGHOUT THESE PLANS REFER TO COMMON WIRE NAILS, UNLESS OTHERWISE NOTED. NAILS SHALL CONFORM TO A RECOGNIZED NATIONAL STANDARD, SUCH AS ASTM F1697, AS PRESCRIBED BY THE MODEL BUILDING CODES.
4. WOOD TRUSSES
- 4.a. WOOD TRUSSES SHALL BE DESIGNED BY THE MANUFACTURER IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION OF THE NATIONAL WOOD PRODUCT ASSOCIATION.
- 4.b. THE DESIGN FOR METAL PLATE CONNECTED WOOD TRUSSES OF THE TRUSS PLATE INSTITUTE.
- 4.c. WOOD TRUSSES SHALL BE ERECTED IN ACCORDANCE WITH THE TRUSS MANUFACTURER'S REQUIREMENTS. THIS WORK SHALL BE DONE BY A QUALIFIED AND EXPERIENCED CONTRACTOR. TRUSS ERECTION BY AN INEXPERIENCED OR NON-QUALIFIED CONTRACTOR CAN RESULT IN THE STRUCTURE COLLAPSE AND/OR SERIOUS INJURY AND DAMAGE.
- 4.d. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY AND PERMANENT BRACING AS REQUIRED FOR SAFE ERECTION AND PERFORMANCE OF THE TRUSSES. THE GUIDELINES SET FORTH BY THE TRUSS PLATE INSTITUTE PUBLICATION "TRUSS BRACING" (CONCRETE AND RECOMMENDATIONS FOR BRACING, INSTALLING AND BRACING METAL PLATE CONNECTED WOOD TRUSSES) SHALL BE A MINIMUM REQUIREMENT.
- 4.e. TRUSS MEMBERS AND COMPONENTS SHALL NOT BE CUT, NOTCHED, DRILLED OR OTHERWISE ALTERED IN ANY WAY WITHOUT WRITTEN APPROVAL OF THE TRUSS DESIGNER.
- 4.f. SUBJECT COMPLETE SHOP DRAWINGS TO THE STRUCTURAL ENGINEER OF RECORD FOR ALL WOOD TRUSSES SHOWING MEMBER SIZES, SPACING, MEMBER DIMENSIONS, SPAN, CHAMBER DIMENSIONS, SPACING, TRUSS BRACING REQUIREMENTS AND LOADINGS.
- 4.g.1. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER AND SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF PROJECT LOCATION.
5. STRUCTURAL WOOD PANELS
- 5.a. FABRICATION AND PLACEMENT OF STRUCTURAL WOOD SHEATHING SHALL BE IN ACCORDANCE WITH THE AMERICAN PLYWOOD ASSOCIATION (APA) DESIGN/CONSTRUCTION GUIDE "RESIDENTIAL AND COMMERCIAL" AND ALL OTHER APPLICABLE STANDARDS.
- 5.b. ALL STRUCTURALLY REQUIRED WOOD SHEATHING SHALL BEAR THE MARK OF THE APA.
- 5.c. WALL SHEATHING
- 5.c.1. SHALL COMPLY WITH THE REQUIREMENTS OF THE GOVERNING CODE.
- 5.c.2. WOOD WALL SHEATHING SHALL BE CONTINUOUS OVER A MINIMUM OF TWO SUPPORTS.
- 5.c.3. FASTENING AT EACH SHEATHING TO ITS SUPPORTING WALL FRAMING WITH 8d NAILS SPACED 3 INCHES ON CENTER AT PANEL EDGES AND AT 6 INCHES ON CENTER IN PANEL FIELD, UNLESS OTHERWISE NOTED ON THE PLANS.
- 5.c.4. PROVIDE FULL DEPTH BLOCKING AT WALL SHEATHING PANEL EDGES FOR EXTERIOR WALLS AND INTERIOR SHEAR WALLS.
- 5.d. ROOF SHEATHING
- 5.d.1. SHALL BE APA RATED SHEATHING EXPOSURE 1 OR 2.
- 5.d.2. ROOF SHEATHING SHALL BE CONTINUOUS OVER A MINIMUM OF TWO SUPPORTS.
- 5.d.3. FASTENING: ATTACH SHEATHING TO ITS SUPPORTING ROOF FRAMING WITH 8d RING-SHANK NAILS SPACED 3 INCHES ON CENTER AT PANEL EDGES AND AT 6 INCHES ON CENTER IN PANEL FIELD, UNLESS OTHERWISE NOTED ON THE PLANS.
- 5.d.4. PROVIDE SUITABLE EDGE SUPPORT BY USE OF PLYWOOD CLIPS OR LUMBER BLOCKING, UNLESS OTHERWISE NOTED.
- 5.e. WOOD FLOOR SHEATHING
- 5.e.1. SHALL BE APA RATED SHEATHING EXPOSURE 1 OR 2.
- 5.e.2. FASTENING: ATTACH SHEATHING TO ITS SUPPORTING FLOOR FRAMING WITH 8d RING-SHANK NAILS AT 6 INCHES ON CENTER AT PANEL EDGES AND 2 INCHES ON CENTER IN PANEL FIELD.
- 5.e.3. PROVIDE SUITABLE EDGE SUPPORT BY USE OF TONGUE AND GROOVE PLYWOOD OR LUMBER BLOCKING, UNLESS OTHERWISE NOTED.
- 5.e.4. SHEATHING SHALL BE APPLIED WITH THE LONG DIRECTION PERPENDICULAR TO FRAMING.
- 5.e.5. SHEATHING SHALL HAVE A SPAN RATING CONSTANT WITH THE GOVERNING CODE.
- 5.e.6. ALL PANEL END JOINTS SHALL OCCUR OVER FRAMING.
- 5.e.7. APPLY BUILDING PAPER OVER SHEATHING AS REQUIRED BY THE GOVERNING CODE.
6. STRUCTURAL FIBERBOARD PANELS
- 6.a. FABRICATION AND PLACEMENT OF STRUCTURAL FIBERBOARD SHEATHING SHALL BE IN ACCORDANCE WITH THE APPLICABLE AMERICAN FIBERBOARD ASSOCIATION (AFA).
- 6.b. ALL STRUCTURALLY REQUIRED FIBERBOARD SHEATHING SHALL BEAR THE MARK OF THE AFA.
- 6.c. FIBERBOARD WALL SHEATHING
- 6.c.1. SHALL COMPLY WITH THE REQUIREMENTS OF THE GOVERNING CODE.
- 6.c.2. SHALL BE CONTINUOUS OVER A MINIMUM OF TWO SUPPORTS.
- 6.c.3. FASTENING AT EACH SHEATHING TO SUPPORTING WALL FRAMING WITH 1-1/2 INCH LONG 16 GA. STAPLES SPACED 3 INCHES ON CENTER AT PANEL EDGES AND 6 INCHES ON CENTER IN PANEL FIELD, UNLESS OTHERWISE NOTED.
- 6.d. SHEATHING SHALL HAVE A 1/8 INCH GAP AT ENDS AND EDGES AS RECOMMENDED IN ACCORDANCE WITH THE AFA.
- 6.e. SPACING BETWEEN BRACED WALL LINES IN EACH STORY SHALL NOT EXCEED 25 FEET ON CENTER IN BOTH LONGITUDINAL AND TRANSVERSE DIRECTIONS.
7. MISCELLANEOUS
- 7.a. USE ONE LINE OF SOLID BLOCKING OR CROSS BRIDGING AT 8 FEET ON CENTER MAXIMUM.
- 7.b. FOR ALL JOISTS AND PARTS, USE SOLID BLOCKING AT JOIST AND RAFTER BEARING.
- 7.c. USE SOLID BLOCKING AT MID-HEIGHT FOR ALL EXTERIOR STUD WALLS AND INTERIOR BEARING PARTITIONS.
- 7.d. USE DOUBLE STUDS UNDER BEAM AND LUNEL BEARING, UNLESS SHOWN OTHERWISE IN THESE PLANS.
- 7.e. IN AREAS WHERE TOP CHORD OF TRUSSES DO NOT RECEIVE PLYWOOD SHEATHING, PROVIDE 1x4 CONTINUOUS BRIDGING PERPENDICULAR TO TOP CHORDS AND SPACED AT 3 FEET ON CENTER.
- 7.f.1. REFER TO TRUSS MANUFACTURER REQUIREMENTS FOR ADDITIONALLY REQUIRED BRACING.
- 7.f.2. PROVIDE AND INSTALL BRIDGING FOR PREFABRICATED WOOD TRUSSES AS INDICATED ON THE TRUSS MANUFACTURER'S APPROVED SHOP DRAWINGS.
- 7.g. PROVIDE BLOCKING IN THE FLOOR UNDER BRACED WALL, IF JOISTS ARE PERPENDICULAR TO THE WALL, WHERE JOISTS ARE PARALLEL TO THE WALL LINE ABOVE OR BELOW, A RIM JOIST OR OTHER PARALLEL FRAMING MEMBER SHALL BE PROVIDED. THESE REQUIREMENTS ARE TO ENSURE CONTINUOUS LOAD PATH OF LATERAL FORCES.

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PREPARED FOR:  
**CHAMPION HOMES**

**STRUCTURAL NOTES**

ADDITIONS, SUBMITTALS, & REVISIONS							
REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
1	1/16/2025	ISSUED FOR PERMIT	BKB	5	--	--	--
2	4/9/2025	CHANGE STR NOTES	BKB	6	--	--	--
3	--	--	--	7	--	--	--
4	--	--	--	8	--	--	--

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