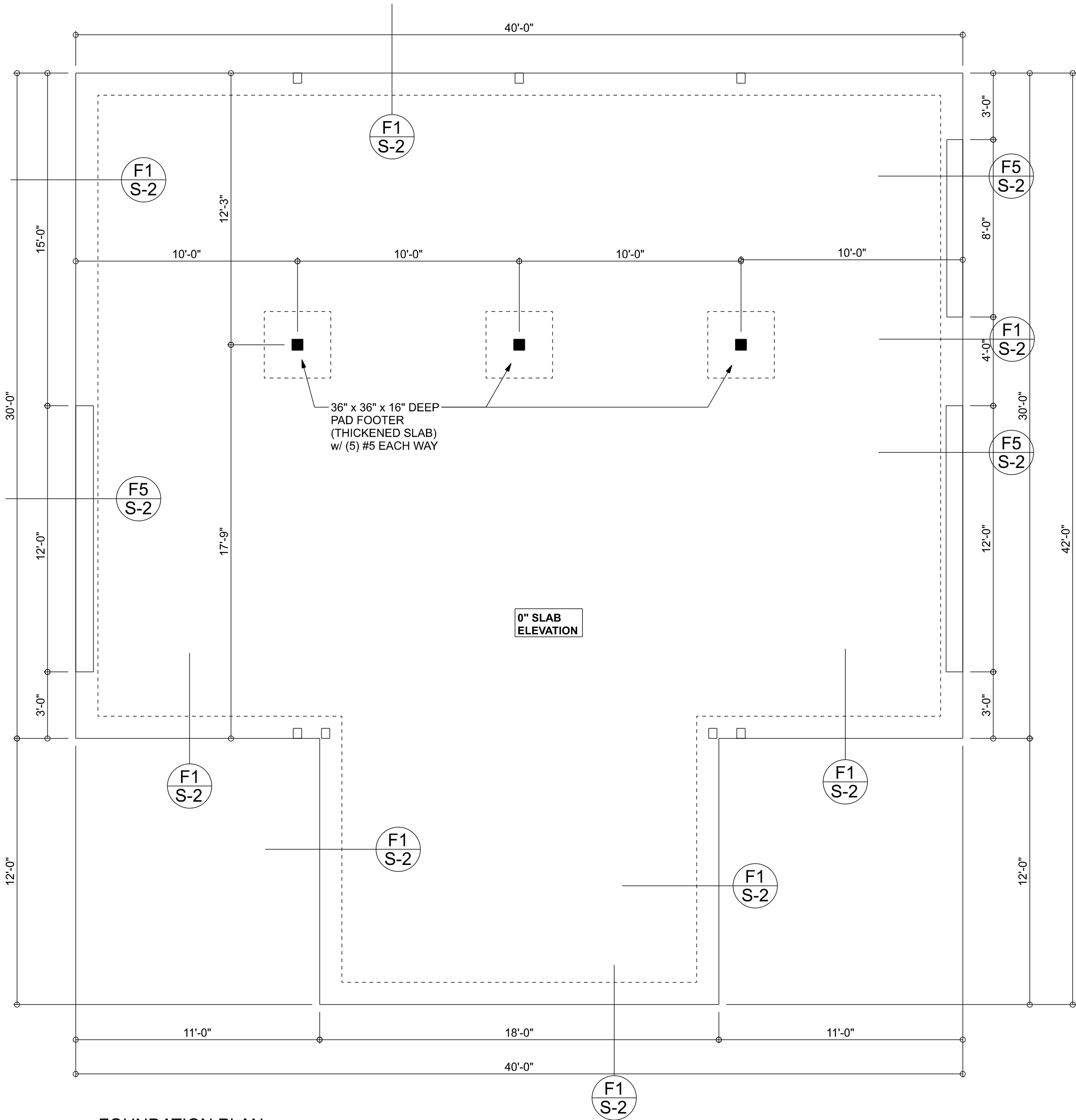
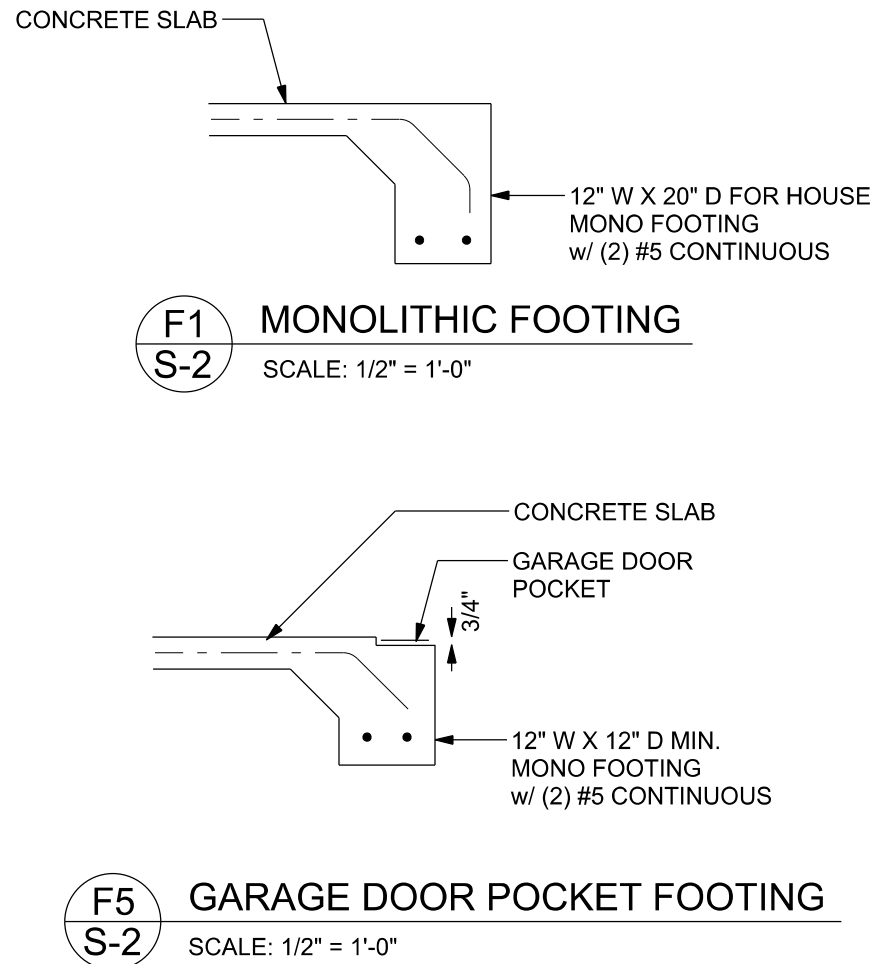






<b>MASONRY NOTE:</b> MASONRY CONSTRUCTION AND MATERIALS FOR THIS PROJECT SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 530.1/ASCE 6/TMS 602). THE CONTRACTOR AND MASON MUST IMMEDIATELY, BEFORE PROCEEDING, NOTIFY THE ENGINEER OF ANY CONFLICTS BETWEEN ACI 530.1-02 AND 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 Fm = 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, 8.5"x2.75"x11.5"
2.4	Reinforcing bars, #3 - #11	ASTM 615, 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 660, 0.60 cu/ft2 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 cu/ft2 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 IN ALL AREAS BY REVIEWING THE ROOF TRUSS PLAN, (BY THE SUPPLIER) BEFORE FINALIZING FOUNDATION PLAN.
FN - 3	THE SLAB SHALL BE: 4" CONCRETE SLAB REINFORCED w/ 6x5-1.41'4" WELDED WIRE MESH PLACED ON CHAIRS @ 1'12" DEPTH OR FIBER MESH CONCRETE, 6-MIL POLY VAPOR BARRIER w/ 6" LAPS SEALED w/ POLY TAPE OVER TERMITE-TREATED & COMPACTED FILL (ALSO, ANY OTHER CODE APPROVED TERMITE-TREATMENT METHOD CAN BE USED INSTEAD)

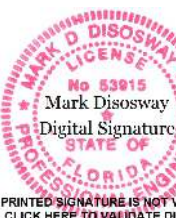
Bryan Zecher Construction

CHRIS & KATIE GARCIA

PROJECT ADDRESS:  
668 SW MANDIRA DR  
LAKE CITY, FL 32025

FL PE 53915

This item has been digitally signed and sealed by Mark Disosway, 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.



C=US, O=Florida, dnQualifier=A01410C000017E97DE07CA000746F0, CN=Mark d Disosway  
2024-04-04 11:34:50

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

COPYRIGHTS AND PROPERTY RIGHTS: Mark Disosway, P.E. hereby expressly reserves its common law copyrights and property right in these instruments of service. This document is not to be reproduced, altered or copied in any form or manner without first the express written permission and consent of Mark Disosway.

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.

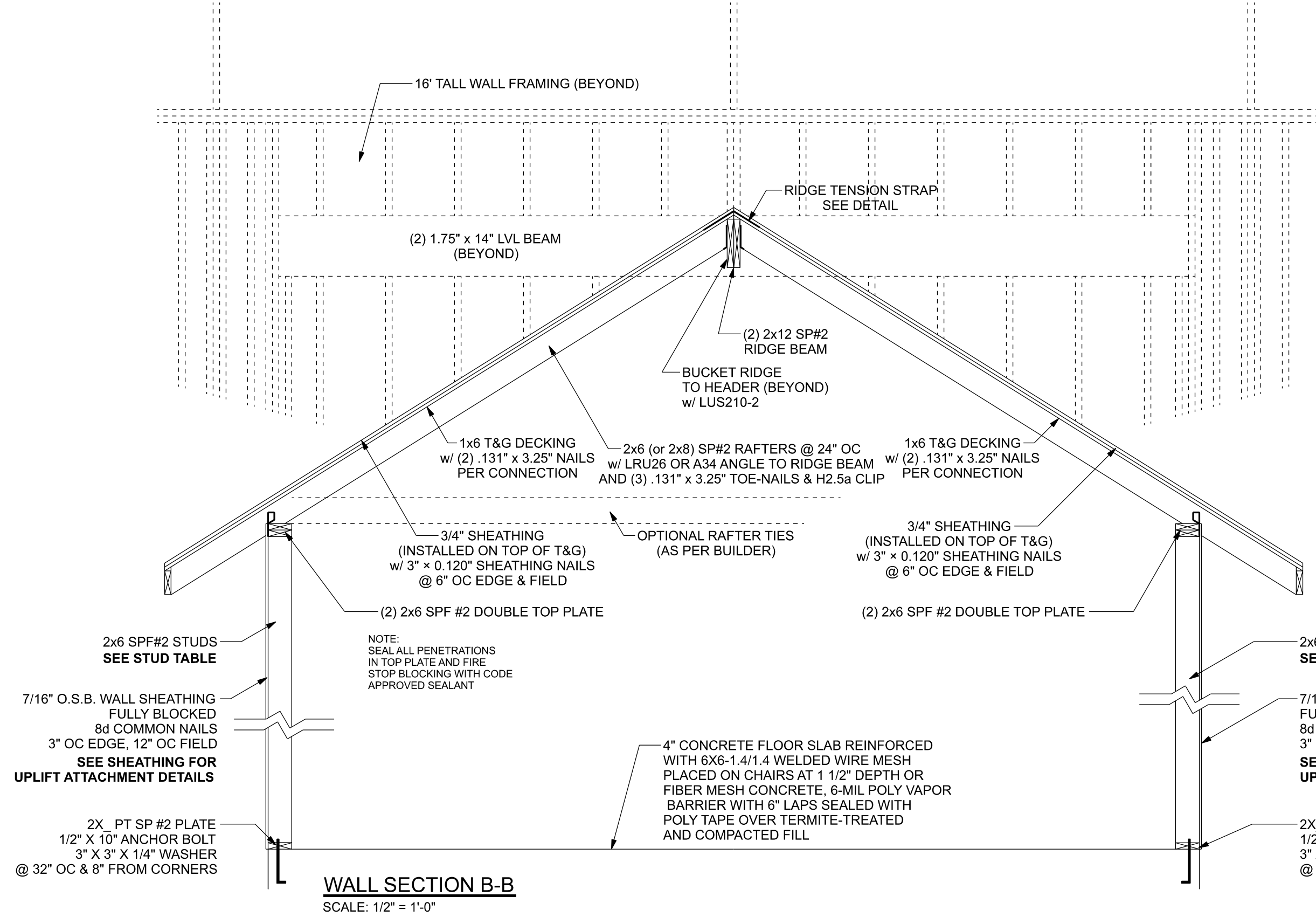
Mark Disosway P.E.  
163 SW Midtown Place  
Suite 103  
Lake City, Florida 32025  
386.754.5419  
disoswaydesign@gmail.com

JOB NUMBER:  
240320

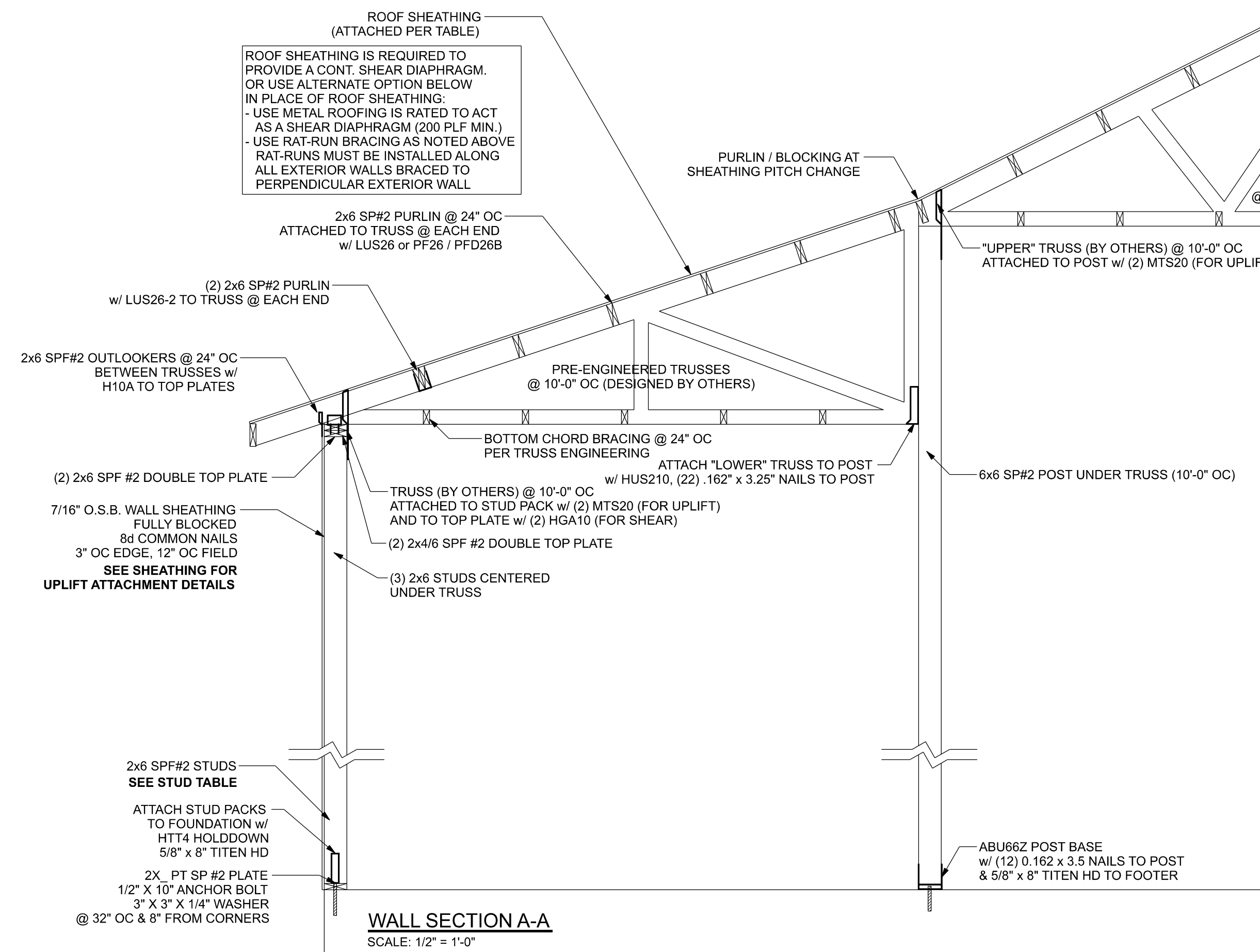
**S-2**  
OF 3 SHEETS



UNLESS NOTED OTHERWISE (MINIMUM REQUIREMENTS) ***SEE STRUCTURAL PLAN FOR ANY SPECIFIC CALL OUTS***	
BEAM / HEADERS (SIZE)	ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X6 SP #2 (UNO)
HEADERS (JACK & KING STUDS)	ALL LOAD BEARING FRAME WALL HEADERS SHALL HAVE (1) JACK STUD & (1) KING STUD EACH SIDE (UNO)
HEADERS (STRAPING)	ALL HEADERS w/ UPLIFT TO BE STRAPPED OR SCREWED DOWN w/ MIN. OPTION #1 OR OPTION #3 (SEE DETAIL ON SHEET S-1) (U.N.O.) 1/2" X 10" ANCHOR BOLT w/ 3" X 3" X 1/4" WASHER MUST BE LOCATED WITHIN 6" OF KING STUD @ ALL DOOR LOCATIONS (U.N.O.)
JACK STUDS UNDER GIRDER TRUSS	USE ONE JACK STUD GIRDER SUPPORT PER 2000 LB LOAD



WALL SECTION B-B  
SCALE: 1/2" = 1'-0"



WALL SECTION A-A  
SCALE: 1/2" = 1'-0"

ALTERNATE DIAPHRAGM BRACING:  
(INSTALLING RAT-RUN IN PLACE OF ROOF SHEATHING AT CEILING OR ROOF LEVEL TO BRACE FOR DIAPHRAGM)

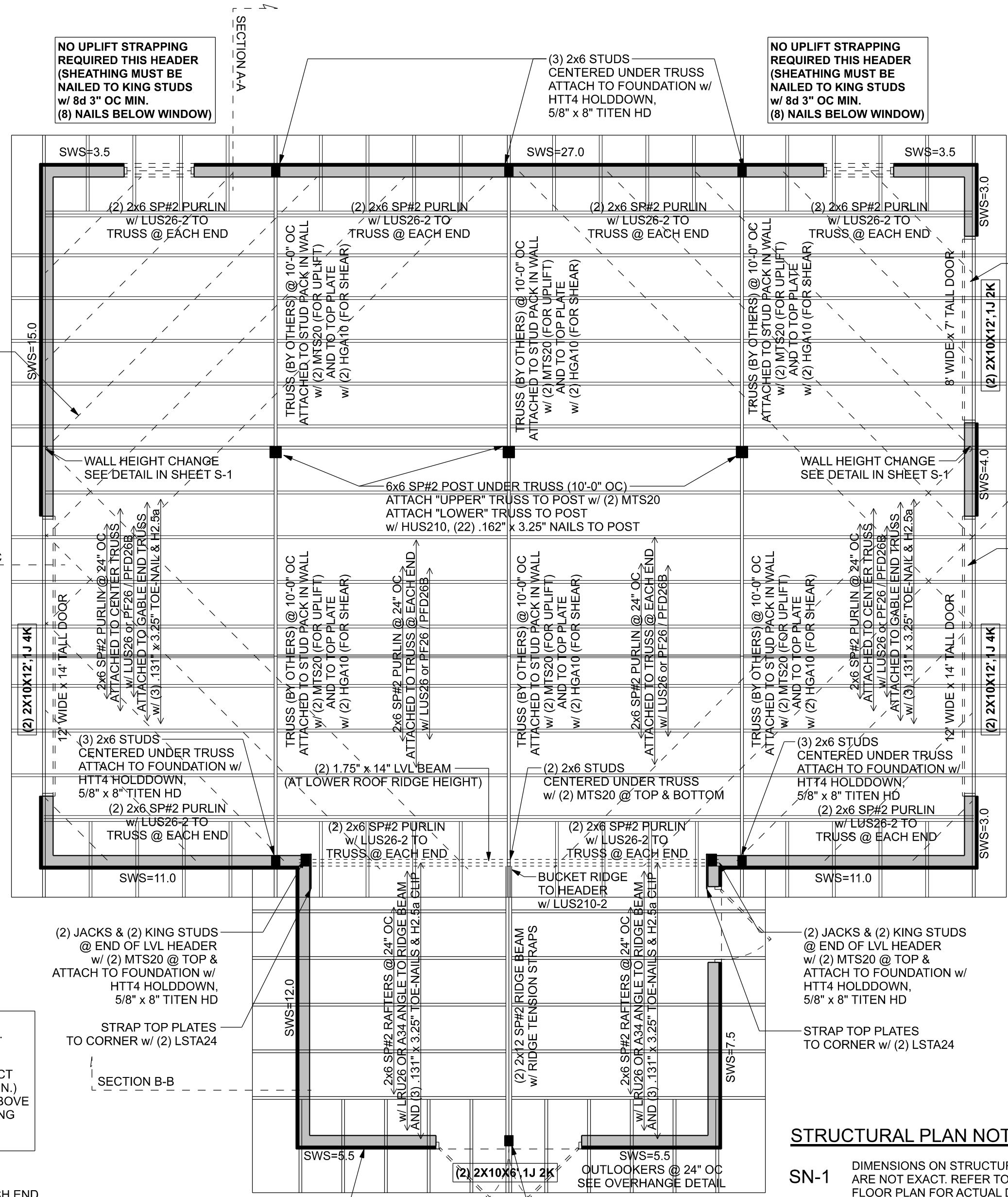
2X4 RAT-RUNS @ 32" OC INSTALLED AT A 45 DEG. CONT. FROM SIDE WALLS TO END WALLS  
- ATTACH THE RAT-RUN TO THE WALL / BLOCKING AT EACH END w/ (2) 1/4" X 4" 12" SDS SCREWS  
- ATTACH TO CEILING BRACING / PURLINS w/ (3) 131" X 3.25" NAILS @ EACH CONNECTION  
- SPLICE JOINS w/ (10) 131" X 3.25" NAILS EACH SIDE  
- USE 26GA ROOFING METAL  
- INSTALLED PER PRODUCT APPROVAL

ROOF SHEATHING (ATTACHED PER TABLE)

ROOF SHEATHING IS REQUIRED TO PROVIDE A CONT. SHEAR DIAPHRAGM. OR USE ALTERNATE OPTION BELOW IN PLACE OF ROOF SHEATHING:

- USE METAL ROOFING IS RATED TO ACT AS A SHEAR DIAPHRAGM (200 PLF MIN.)
- USE RAT-RUN BRACING AS NOTED ABOVE

RAT-RUNS MUST BE INSTALLED ALONG ALL EXTERIOR WALLS BRACED TO PERPENDICULAR EXTERIOR WALL



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

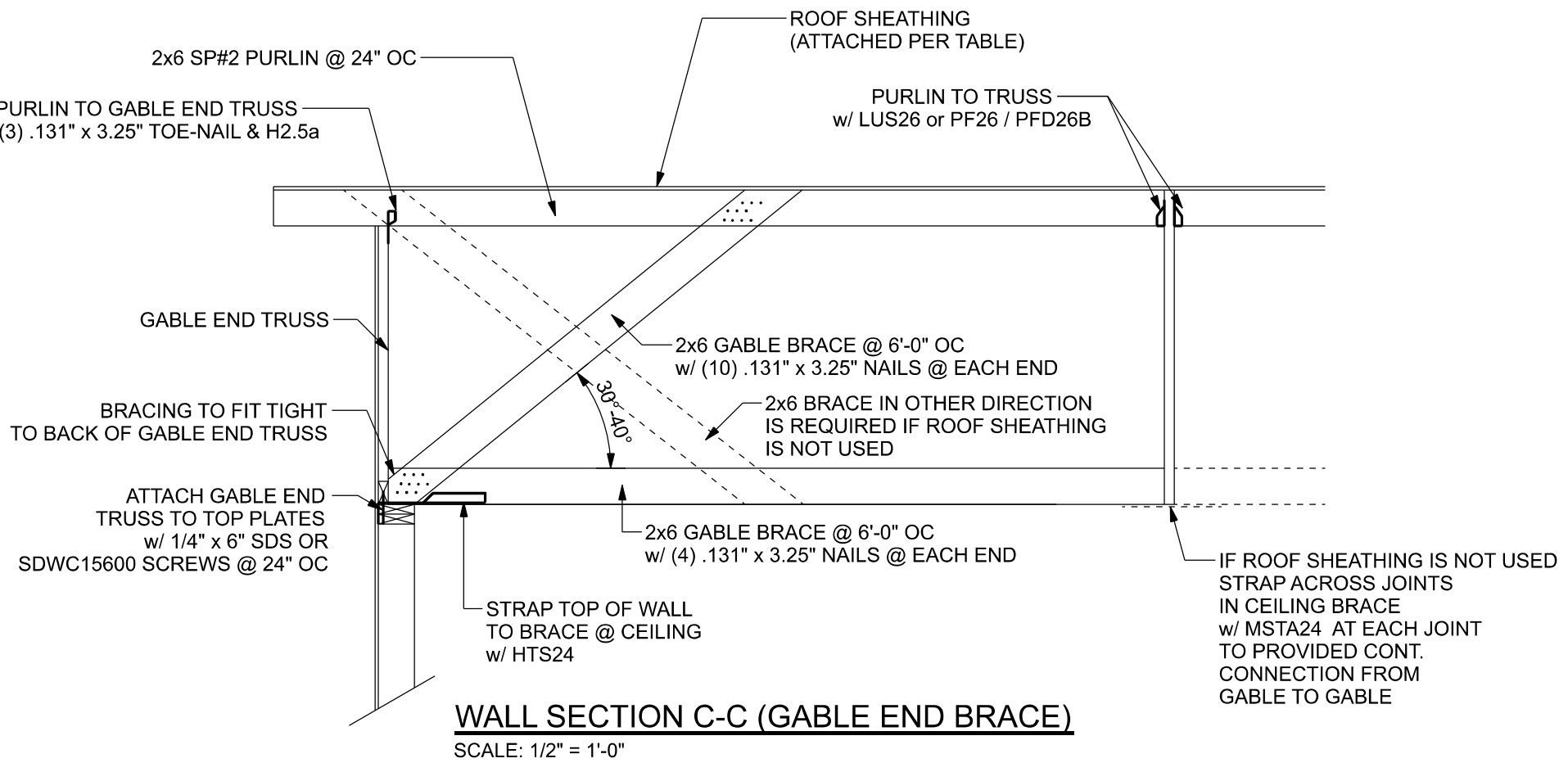
#### STRUCTURAL PLAN LEGEND

- (2) 2X6X10-1J 1K
- HEADER/BEAM CALL-OUT (U.N.O.)
  - NUMBER OF KING STUDS EACH SIDE OF OPENING (FULL LENGTH)
  - NUMBER OF JACK STUDS EACH SIDE OF OPENING (UNDER HEADER)
  - SPAN OF HEADER
  - SIZE OF HEADER MATERIAL
  - NUMBER OF PLIES IN HEADER

#### ACTUAL vs REQUIRED SHEARWALL

	TRANSVERSE	LONGITUDINAL
ACTUAL	14620 LBF	22176 LBF
REQUIRED	10782 LBF	10699 LBF

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. W.B. HOWLAND CO. JOB #23-9923



WALL SECTION C-C (GABLE END BRACE)  
SCALE: 1/2" = 1'-0"

Bryan Zecher Construction

CHRIS & KATIE GARCIA

PROJECT ADDRESS:  
666 SW MANDIRA DR  
LAKE CITY, FL 32025

FL PE 53915  
This item has been digitally signed and sealed by Mark Disoway P.E. for resolution. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

C=US, O=Florida, dnQualifier=A01410C0000017E97DE07CA000746F0, CN=Mark d Disoway  
2024-04-04 11:34:16

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

COPYRIGHTS AND PROPERTY RIGHTS: Mark Disoway, P.E. hereby expressly reserves its common law copyrights and property right in these instruments of service. This document is not to be reproduced, altered or copied in any form or manner without first the express written permission and consent of Mark Disoway.

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:  
240320

S-3  
OF 3 SHEETS