

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, RUSS-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 VERIFY THE TRUSS DESIGNER FULLY SATISFIED ALL THE ABOVE REQUIREMENTS AND TO SELECT UPLIFT CONNECTIONS BASED ON TRUSS ENGINEERING UPLIET 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.

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.

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.

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

ROOF SHEATHING: ALL ROOFS ARE HORIZONTAL DIAPHRAGMS; SHEATHING, UNBLOCKED, APPLIED PERPENDICULAR TO FRAMING, OVER A MINIMUM OF 3 FRAMING

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. MANUFACTURER'S INSTALLATION INSTRUCTIONS MUST BE FOLLOWED

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

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

PROVIDE A CONTINUOUS LOAD PATH FROM TRUSSES TO FOUNDATION. IF YOU BELIEVE THE PLAN OMITS A CONTINUOUS LOAD PATH CONNECTION, CALL HE 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

THE SEAL ON THESE PLANS FOR COMPLIANCE WITH EBCR IS BASED ON REACTIONS. UPLIFTS. AND BEARING LOCATIONS IN TRUSS ENGINEERING SUBMITTED TO THE WIND LOAD ENGINEER. IT I 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 I OADS 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 RESTRAINT FOR ANY LATERAL BRACING. THE BUILDER SHOULD USE CARE CHECKING THE ROOF DESIGN BECAUSE THE WIND LOAD ENGINEER IS SPECIFICALLY NOT ESPONSIBLE FOR THE TRUSS LAYOUT WHICH WAS CREATED BY THE TRUSS MANUFACTURER AND THE TRUSS DESIGNER ALSO DENIES

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.) TO 10'-1" STUD HEIGHT D 11'-2" STUD HEIGHT TO 15'-7" STUD HEIGHT

TO 17'-3" STUD HEIGHT

GRADE & SPECIES TABLE					
		Fb	Е		
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		
137	MUCDOLANA	0050	~ ~		

GRADE & SPECIES TABLE					
		Fb	Е		
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		

JILDING CODE	8TH EDITION FLORIDA BUILDING CODE RESIDENTIAL (2023)	
DDE FOR DESIGN LOADS	ASCE 7-22	
/INDLOADS		
ASIC WIND SPEED SCE 7-22, 3S GUST)	130 MPH	
IND EXPOSURE UILDER MUST FIELD VERIFY)	С	
DPOGRAPHIC FACTOR UILDER MUST FIELD VERIFY)	I	
SK CATEGORY	II	
NCLOSURE CLASSIFICATION	ENCLOSED	
TERNAL PRESSURE DEFFICIENT	0.18	
OOF ANGLE	7-45 DEGREES	
EAN ROOF HEIGHT	30 FT	
&C DESIGN PRESSURES	SEE TABLE	
LOOR LOADING		
OOMS OTHER THAN EEPING ROOM	40 PSF LIVE LOAD	
EEPING ROOMS	30 PSF LIVE LOAD	
OOF LOADING		
AT OR < 4:12	20 PSF LIVE LOAD	
12 TO < 12:12	16 PSF LIVE LOAD	
:12 & GREATER	12 PSF LIVE LOAD	
OIL BEARING CAPACITY	1500 PSF	
LOOD ZONE	THIS BUILDING IS NOT IN THE FLOOD ZONE	

COMPONENT & CLADING DESIGN PRESSURES 130 MPH (EXP C				
EFFECTIVE	ZONE 4	ZONE 5		
WIND AREA (FT2)	INTERIOR	END 4' FROM ALL		
		OUTSIDE CORNER		

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Mark Disosway P.E.

163 SW Midtown Place

JOB NUMBER: 250013 **S-1**

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LIMITATION: This design is valid for one

comply with the 8th Edition Florida

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to the best of my knowledge.

building, at specified location.

portions of the plan, relating to wind engineering

Mark Disosway

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DIMENSIONS:

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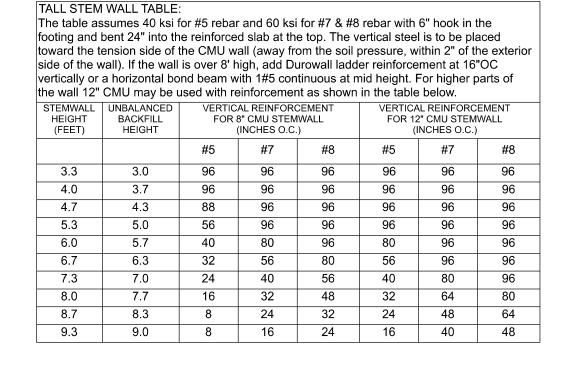
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Disosway

53:04

DE07CA000746F



OPTIONAL STEM WALL FOOTING

NOTE: FOR STEM WALL FOUNDATIONS OVER 5 COURSES IN HEIGHT THE SLAB IS REQUIERED TO BE ATTACHED TO THE

THE HORIZONTAL BOND BEAM REBAR SPACED THE SAME AS VERTICAL REBAR

SLAB EDGE INTERSECTION w/ STEMWALL

#5 VERT. REBAR w/ STD. HOOK BOTTOM IN FOOTING

STEM WALL @ BOND BEAM w/ 2' X 2' #5 CORNER REBARS (1) LEG EXTENDING INTO SLAB &

HEADER-BLOCK BOND BEAM @

& STD. HOOK TOP IN BOND BEAM @ EACH CORNER & 96" OC

CMU STEM WALL, MAX 5 COURSES

TABLE FOR MORE THAN 5 COURSES)

(SEE SPECIAL REINFORCEMENT

CONCRETE STRIP FOOTING

w/ (2) #5 REBAR CONTINUOUS

(1) LEG LAPPED w/

-(1) #5 CONTINUOUS IN

-8X8X16, RUNNING BOND,

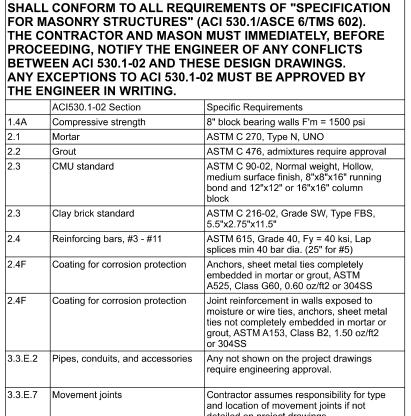
_____20" W X 10" D POURED

CONCRETE SLAB —

3" MIN.

COVER (TYP.)

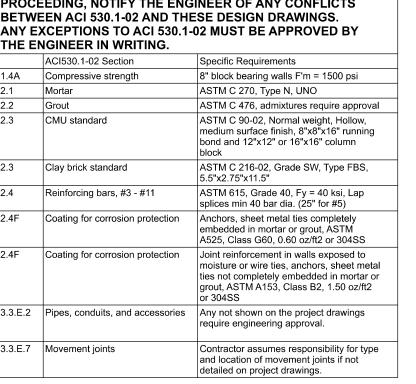
S-2 SCALE: 1/2" = 1'-0"

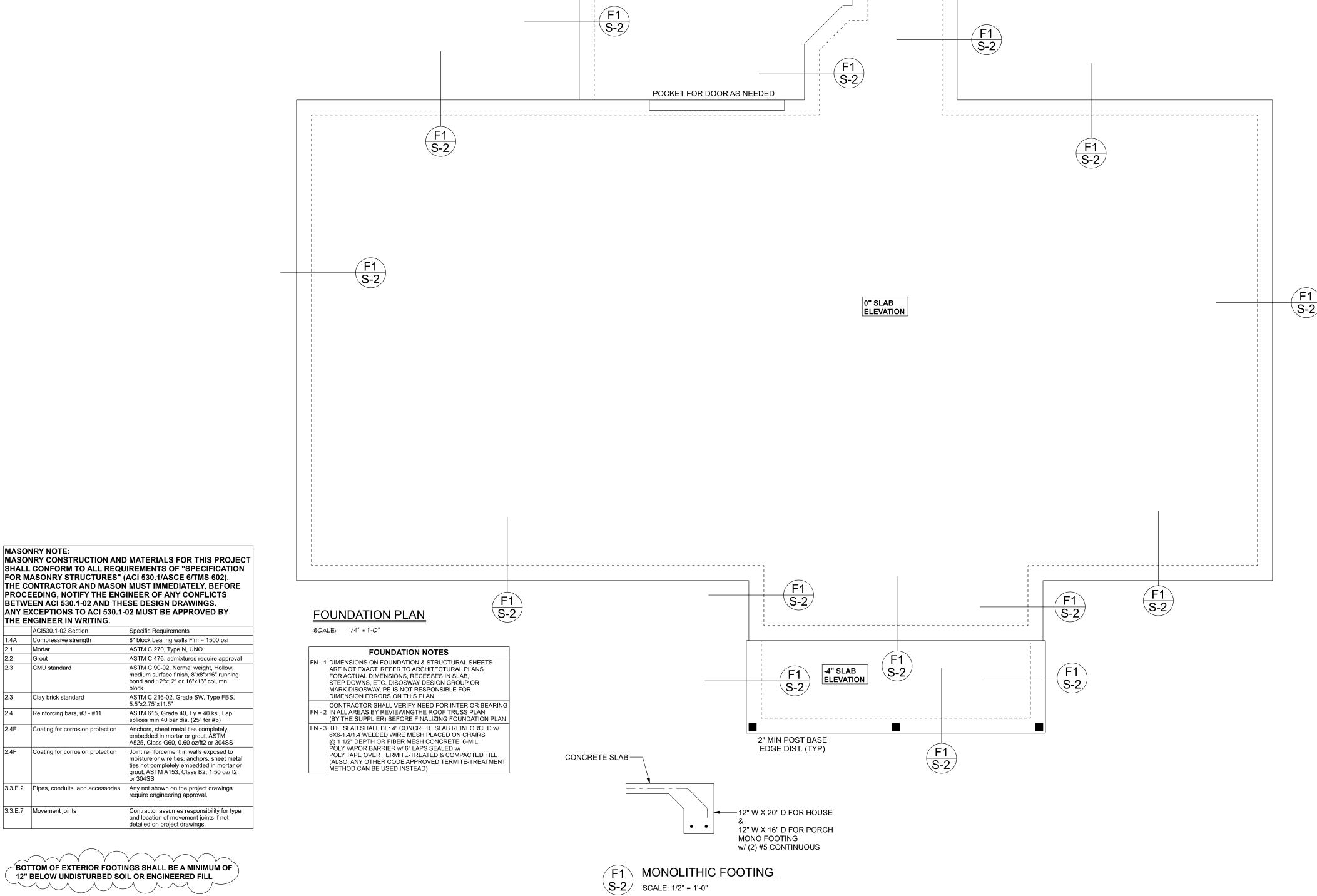


BOTTOM OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF

12" BELOW UNDISTURBED SOIL OR ENGINEERED FILL

MASONRY NOTE:



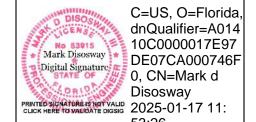


-4" SLAB ELEVATION

2" MIN POST BASE EDGE DIST.

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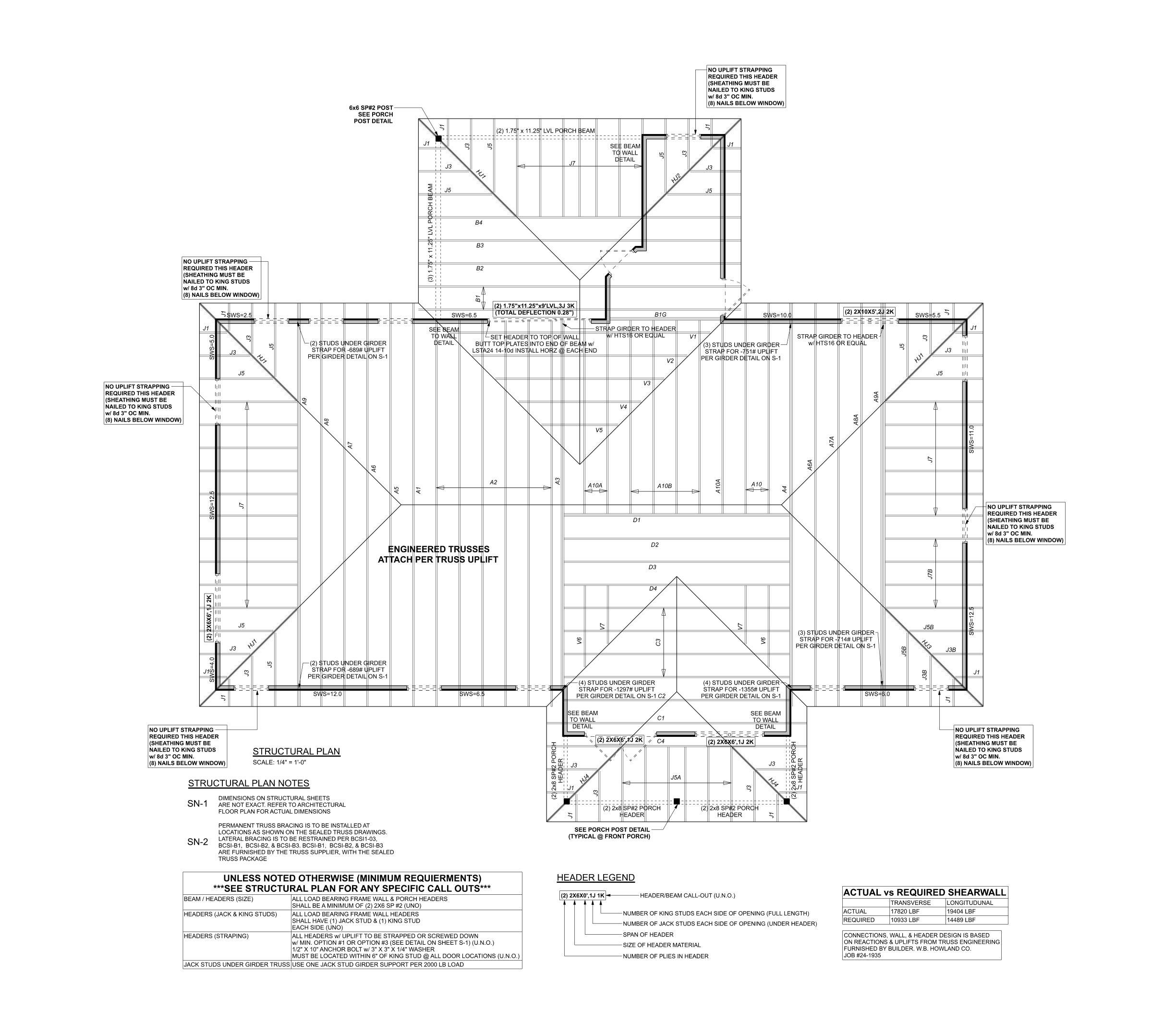
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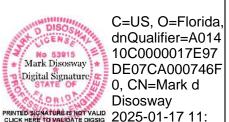
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