

STRUCTURAL ELEMENTS ONLY

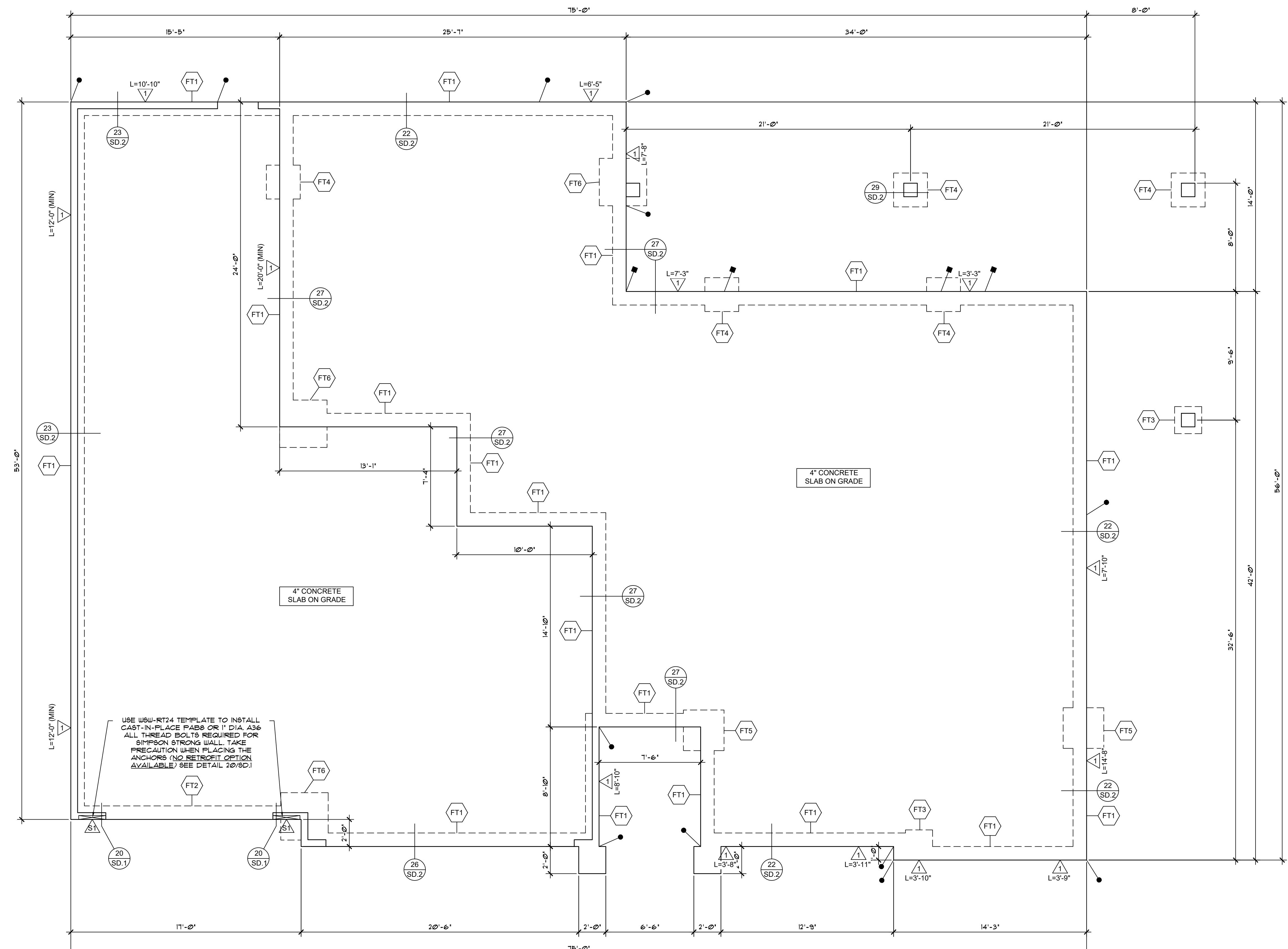
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REVISIONS

DATE	BY

NOTE: THESE PLANS ARE STRICTLY DIAGRAMATIC. They are merely a guideline for construction and are not intended to be used as a basis for construction or representation or reflection of that which the customer has purchased or is intended to purchase. Verification of details, accuracy of dimensions, and engineering requirements are the responsibility of the contractor, subcontractor, and owner. The engineer and architect are not responsible for the construction and are not intended for the distribution to, or use by the customer, buyer or property owner.

2900 AMIGO DRIVE



FOOTING & FOUNDATION PLAN
SCALE 1/4" = 1'-0"

SHEAR WALL SCHEDULE

DESG.	MATERIAL	EDGE	FIELD	EDGE	FIELD	ANCHOR BOLT SPACING	CAPACITY	NOTE	
1	3/4" OSB OR CDX PLYWOOD	6"	12"	3/4"	12"	32" O.C.	339	241	
2	3/4" OSB OR CDX PLYWOOD	4"	12"	2"	12"	24" O.C.	485	350	
S1	SIMPSON WSW2X13 STRONG WALL WOOD SHEAR WALL - SEE DETAILS 18/SD.1, 19/SD.1, 20/SD.1, & 21/SD.2								

NOTES:
 1. WALL STUDS ARE TO BE SPACED AT 16" O.C. UNLESS OTHERWISE NOTED.
 2. USE CHANGING STUDS AT EACH END OF SHEAR WALLS (SHEAR WALL CHORDS) UNLESS OTHERWISE NOTED.
 3. WHERE PANELS ARE APPLIED ON BOTH FACES OF A WALL AND NAIL SPACING IS LESS THAN 2" O.C. ON EITHER SIDE, PANEL JOINTS SHALL BE OFFSET TO FALL ON A STUD.
 4. FRAMING AT ADJOINING PANEL EDGES AND SILL PLATES SHALL BE 3/4" OR WIDER FOR EDGE NAILING 2" O.C. OR LESS. NAILS AT ADJOINING PANEL EDGES AND INTO SILL PLATES SHALL BE 16D.
 5. FRAMING AT ADJOINING PANEL EDGES AND SILL PLATES SHALL BE 3/4" OR WIDER FOR EDGE NAILING 2" O.C. OR LESS. NAILS AT ADJOINING PANEL EDGES AND INTO SILL PLATES SHALL BE 16D.
 6. FRAMING AT ADJOINING PANEL EDGES AND SILL PLATES SHALL BE 3/4" OR WIDER FOR EDGE NAILING 2" O.C. OR LESS. NAILS AT ADJOINING PANEL EDGES AND INTO SILL PLATES SHALL BE 16D.

- ### SIMPSON WSW NOTES
- STRONG WALL WOOD SHEAR WALLS SHALL BE INSTALLED AS PER SIMPSON SPECIFICATIONS.
 - STRONG WALL WOOD SHEAR WALL MAY BE FIELD TRIMMED TO A MINIMUM HEIGHT OF 74 1/2". (TRIM TOP OF WALL ONLY - DO NOT TRIM FROM SIDES OR BOTTOM.)
 - DRILLING HOLES IN STRONG WALL WOOD SHEAR WALLS IS NOT ALLOWED EXCEPT AS SPECIFICALLY ALLOWED BY THE MANUFACTURER. (REFER TO SIMPSON SPECIFICATIONS)
 - WSW IS DESIGNED TO PROVIDE 1/8" GAP BETWEEN LSL AT BASE OF WSW & CONCRETE. ENSURE CONCRETE IS LEVEL AND SMOOTH BENEATH PANEL. GRIND OR FILL AS NECESSARY.
 - TAKE PRECAUTION WHEN INSTALLING CAST-IN-PLACE BOLTS AT CONCRETE FOUNDATION (NO RETROFIT OPTION IS AVAILABLE)
 - CONTACT SIMPSON REPRESENTATIVE GARY PUGMIRE (801-244-7430) WITH QUESTIONS REGARDING THE INSTALLATION OF SIMPSON STRONG WALLS.

HOLDOWN SCHEDULE

SYMBOL	HOLDOWN/STRAP
○	LSTHD8 HOLDOWN
●	SEE DETAIL 37/SD.2
■	STHD10 HOLDOWN
■	SEE DETAIL 37/SD.2

FOOTING SCHEDULE

DESG.	LENGTH	WIDTH	DEPTH	LENGTHWISE REINFORCEMENT				CROSSWISE REINFORCEMENT				CAPACITY	NOTE
				QTY.	SIZE	LENGTH	SPACING	QTY.	SIZE	LENGTH	SPACING		
FT1	CONT.	12"	18"	2	#4	CONT.	EQ.	-	-	-	-	1275 PLF	(1) TOP, (1) BOTTOM
FT2	CONT.	24"	12"	8	#4	CONT.	EQ.	-	-	-	-		(4) TOP, (4) BOTTOM
FT3	24"	24"	12"	3	#4	18"	EQ.	3	#4	18"	EQ.	5400 LBS	
FT4	30"	30"	12"	4	#4	24"	EQ.	4	#4	24"	EQ.	8438 LBS	
FT5	36"	36"	12"	4	#4	30"	EQ.	4	#4	30"	EQ.	12150 LBS	
FT6	42"	42"	12"	5	#4	36"	EQ.	5	#4	36"	EQ.	16538 LBS	
FT7	48"	48"	12"	6	#4	42"	EQ.	6	#4	42"	EQ.	21600 LBS	

NOTES:
 1. F_c = 2500 PSI, f_y = 60,000 PSI. NO SPECIAL INSPECTION REQUIRED.
 2. FOOTINGS SHALL BEAR ON SUITABLE UNDISTURBED NATIVE SOILS OR STRUCTURAL COMPACTED FILL (95% COMPACTION), SPECIFIED AND TESTED BY A REGISTERED GEOTECHNICAL ENGINEER.
 3. ALL FOOTINGS SHALL BEAR A MINIMUM OF 12" BELOW GRADE OR BELOW THE FROST LINE OF THE LOCALITY, WHICHEVER IS DEEPER.

LEI CONSULTING ENGINEERS AND SURVEYORS, INC. IS NOT A GEOTECHNICAL ENGINEER AND HAS NOT PERFORMED ANY SOIL BEARING OR SLOPE ANALYSIS. LEI HAS DESIGNED THE FOUNDATION IN ACCORDANCE WITH THE MAXIMUM BEARING PRESSURE ALLOWED WHEN NO GEOTECHNICAL REPORT IS PROVIDED. LEI IS NOT LIABLE FOR DAMAGE OR REPAIRS CAUSED BY SETTLEMENT RESULTING FROM OUTSIDE FACTORS OR POOR SOIL CONDITIONS. THE HOMEOWNER/CONTRACTOR ASSUME ALL RISK ASSOCIATED WITH CONSTRUCTION WITHOUT AN ADEQUATE GEOTECHNICAL INVESTIGATION.

FOOTING PLAN

DRAWN RJB
 CHECKED
 DATE 8.28.20
 SCALE 1/4" = 1'-0"
 JOB NO.
 SHEET S.1