

**LOAD CHART FOR JACK STUDS**  
(BASED ON TABLES 1002.5(1) & (2))

NUMBER OF JACK STUDS REQUIRED @ EA END OF HEADER/SIPPER		NUMBER OF JACK STUDS REQUIRED @ EA END OF PLY-HEADER	
END REACTION (UP TO)	REQ'D STUDS FOR (2) PLY-HEADER	END REACTION (UP TO)	REQ'D STUDS FOR (2) PLY-HEADER
1700	1	2550	1
3400	2	5100	2
5100	3	7650	3
6800	4	10200	4
8500	5	12750	5
10200	6	15300	6
11900	7		
13600	8		
15300	9		

MSH422	USP	30	NA	10d3"	10d3"
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PlotID	Length	Product	Plies	Net Qty
FB-7	5' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2
FB-8	4' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2
H-2	14' 0"	1-3/4"x 11-7/8" LVL Kerto-S	3	3
H-3	9' 0"	1-3/4"x 11-7/8" LVL Kerto-S	3	3
FB-6 (PAD TO 17" DEPTH)	8' 0"	1-3/4"x 11-7/8" LVL Kerto-S	2	2
H-1	8' 0"	1-3/4"x 11-7/8" LVL Kerto-S	3	3
H-4	8' 0"	1-3/4"x 11-7/8" LVL Kerto-S	3	3
FB-2 (RIP TO 13" DEPTH)	15' 0"	1-3/4"x 14" LVL Kerto-S	2	2
FB-1	19' 0"	1-3/4"x 16" LVL Kerto-S	2	4
FB-3 (RIP TO 13")	12' 0"	1-3/4"x 16" LVL Kerto-S	3	3
FB-5 (PAD TO 20" DEPTH)	8' 0"	1-3/4"x 16" LVL Kerto-S	2	2

NO PLATE NEEDED ON CRAWL SPACE WALL GREEN SHADED AREA ONLY

NO PLATE NEEDED ON CRAWL SPACE WALL GREEN SHADED AREA ONLY

**Truss Placement Plan**  
SCALE: NTS

BUILDER	SEGC	COUNTY	cumberland
JOB NAME	LEWIS RESIDENCE	ADDRESS	202 BROAD LAKE LN
PLAN	SEGC-2995	MODEL	ROOF
SEAL DATE	NONE	DATE REV.	/ /
QUOTE #	Quote #	DRAWN BY	Bob Lewis
JOB #	J1118-5039	SALESMAN	Bob Lewis

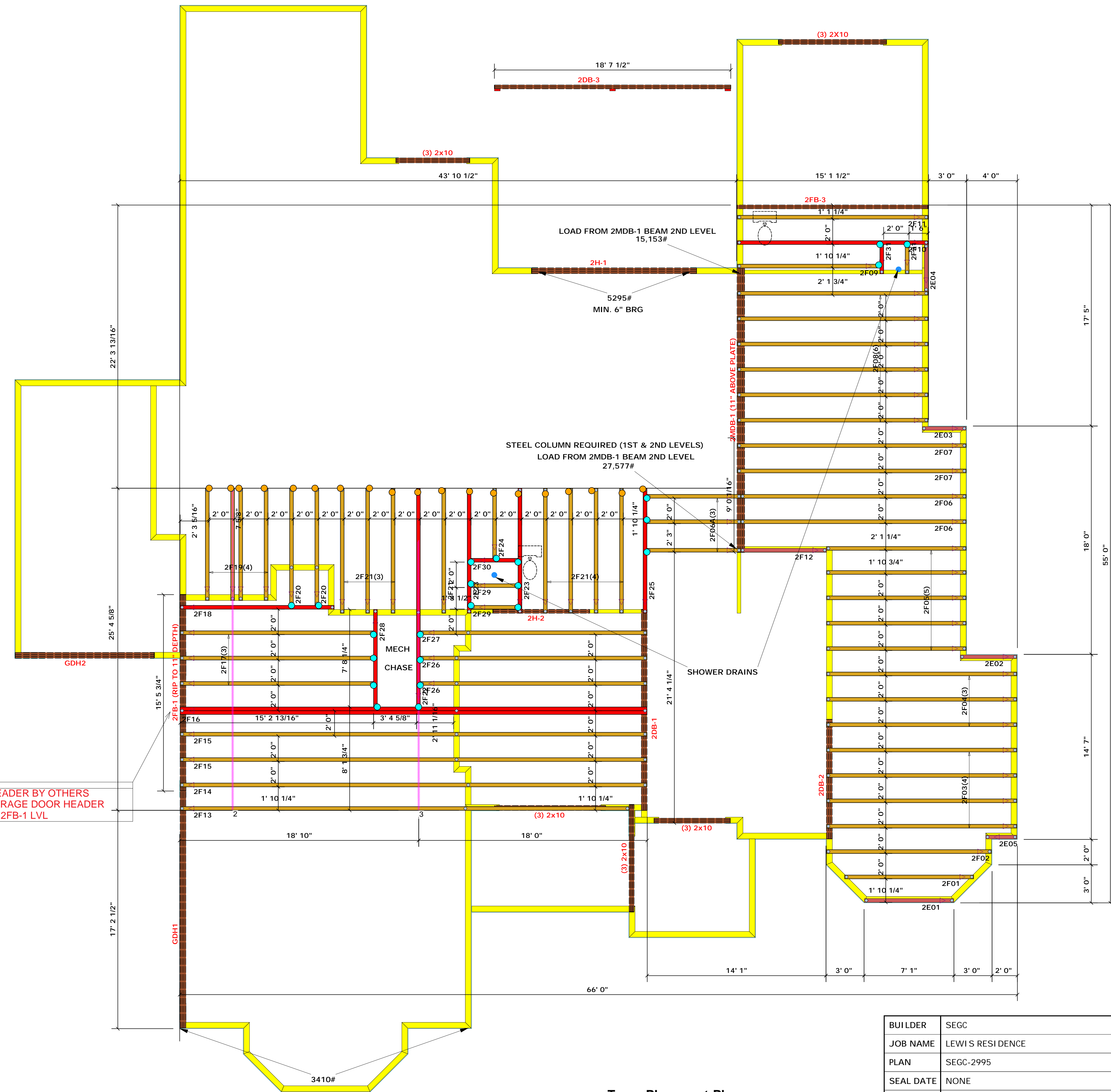
THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the plan and for the overall design. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding trussing, consult BCS-B1 and BCS-B3 provided with the truss design. See also the BCS-B4 and BCS-B5 provided with the truss design.

Bearing reactions less than or equal to 3000# are deemed to comply with the prescriptive Code requirements. The contractor shall refer to the attached Tables derived from the prescriptive Code requirements to determine the minimum foundation size and number of wood studs required to support reactions greater than 3000# and not greater than 15000#. A registered design professional shall be retained to design the support system for any reactions that exceed those specified in the attached Tables. A registered design professional shall be retained to design the support system for all reactions that exceed 15000#.

Signature: Bob Lewis

▲ Indicates Left End of Truss  
(Reference Engineered Truss Drawing)  
Do NOT Erect Truss Backwards

**ROOF & FLOOR TRUSSES & BEAMS**  
Reilly Road Industrial Park  
Fayetteville, N.C. 28309  
Phone: (910) 864-8787  
Fax: (910) 864-4444



**LOAD CHART FOR JACK STUDS**  
(BASED ON TABLES B502.5(1) & (2))

NUMBER OF JACK STUDS REQUIRED @ EA END OF HEADER/GIRDER		NUMBER OF JACK STUDS REQUIRED @ EA END OF HEADER/GIRDER	
END REACTION (UP TO)	REQ'D STUDS FOR (2) PLY HEADER	END REACTION (UP TO)	REQ'D STUDS FOR (3) PLY HEADER
1700	1	2550	1
3400	2	5100	2
5100	3	7650	3
6800	4	10200	4
8500	5	12750	5
10200	6	15300	6
11900	7		
13600	8		
15300	9		

JUS414	USP	19 eac	NA	16d/3-1/2"	16d/3-1/2"
MSH422	USP	30 eac	NA	10d/3"	10d/3"

PlotID	Length	Product	Plies	N
2DB-3	19' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2
GDH2	11' 0"	1-3/4"x 9-1/4" LVL Kerto-S	3	3
2DB-2	10' 0"	1-3/4"x 9-1/4" LVL Kerto-S	3	3
2FB-1 (RIP TO 11" DEPTH)	16' 0"	1-3/4"x 11-7/8" LVL Kerto-S	3	3
2H-2	8' 0"	1-3/4"x 11-7/8" LVL Kerto-S	2	2
2FB-3	16' 0"	1-3/4"x 14" LVL Kerto-S	2	2
2DB-1	16' 0"	1-3/4"x 14" LVL Kerto-S	3	3
GDH1	19' 0"	1-3/4"x 16" LVL Kerto-S	3	3
2H-1	13' 0"	1-3/4"x 16" LVL Kerto-S	3	3
2MDB-1 (11" ABOVE PLATE)	23' 0"	1-3/4"x 23-7/8" LVL Kerto-S	4	4
(3) 2X10	10' 0"	2x10 SP No.1	3	3
(3) 2X10	6' 0"	2x10 SP No.2	3	3
(3) 2X10	10' 0"	2x10 SPF No.2	3	6
(3) 2X10	6' 0"	2x10 SPF No.2	3	3
PBO2	12' 0"	5 1/2" x 5 1/2" Generic Material	1	1
PBO3	12' 0"	5 1/2" x 5 1/2" Generic Material	1	1
PBO4	12' 0"	5 1/2" x 5 1/2" Generic Material	1	1

Comment 1  
2X10 HEADER BY OTHERS FOR GARAGE DOOR HEADER BELOW 2FB-1 LVL

Truss Placement Plan  
SCALE: NTS

▲ Indicates Left End of Truss  
(Reference Engineered Truss Drawing)  
Do NOT Erect Truss Backwards

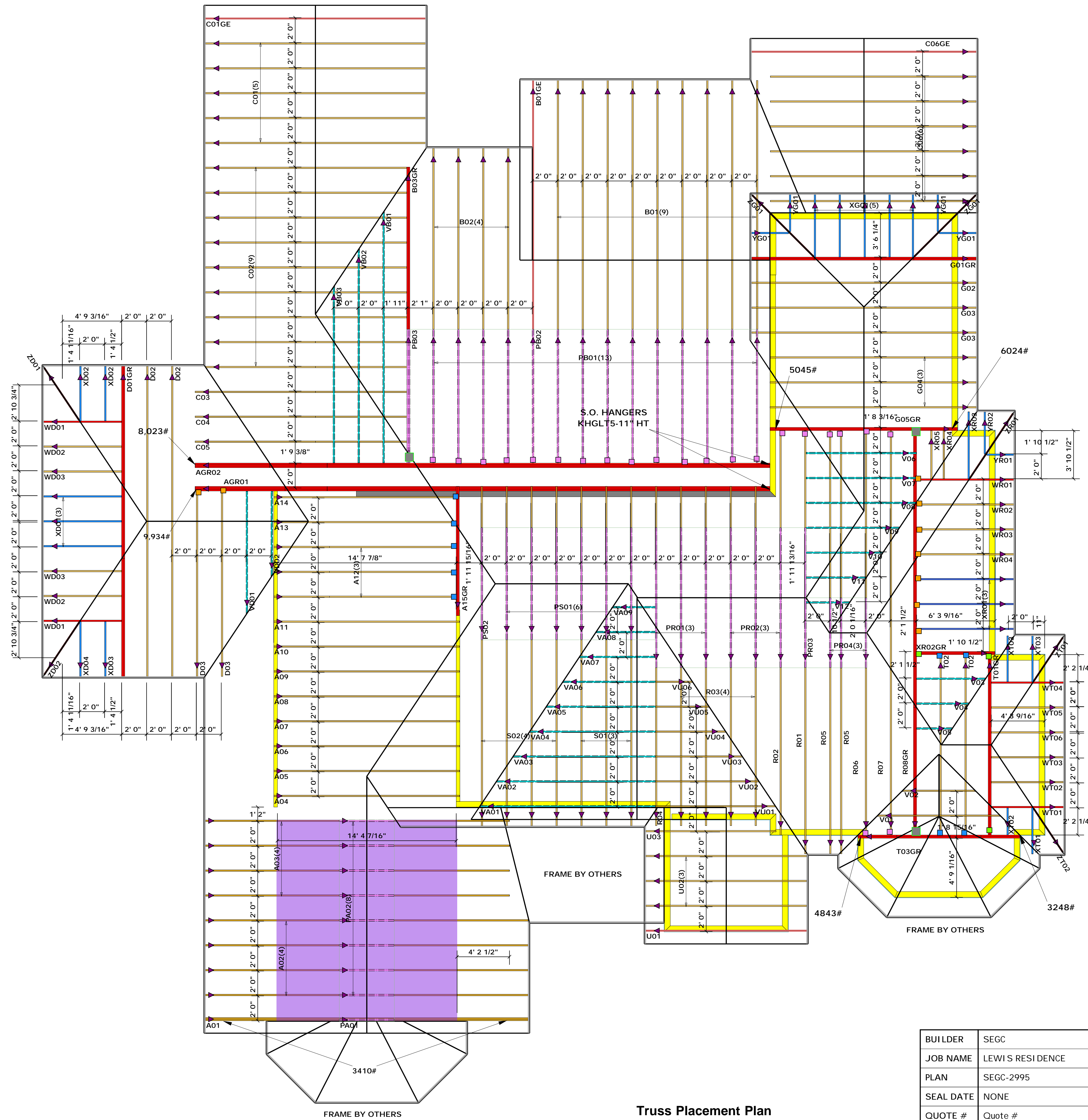
BUILDER	SEGC	COUNTY	cumberland
JOB NAME	LEWIS RESIDENCE	ADDRESS	202 BROAD LAKE LN
PLAN	SEGC-2995	MODEL	ROOF
SEAL DATE	NONE	DATE REV.	/ /
QUOTE #	Quote #	DRAWN BY	Bob Lewis
JOB #	J1118-5039	SALESMAN	Bob Lewis

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. The contractor shall refer to the attached Tables for the minimum truss size and number of wood trusses required to support reactions greater than 3000 lbs and for the overall structure. The design of the truss support system shall be the responsibility of the building designer. For general guidance regarding trussing, consult BCS-B1 and BCS-B3 provided with the truss drawings. See also BCS-B4 and BCS-B5.

Bearing reactions less than or equal to 3000 lbs are deemed to comply with the prescriptive Code requirements. The contractor shall refer to the attached Tables for the minimum truss size and number of wood trusses required to support reactions greater than 3000 lbs and for the overall structure. A registered design professional shall be retained to design the support system for any reactions that exceed those specified in the attached Tables. A registered design professional shall be retained to design the support system for all reactions that exceed 1500lb.

Signature: Bob Lewis

**comTECH**  
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Fax: (910) 864-4444



**LOAD CHART FOR JACK STUDS**  
 (BASED ON TABLES 2502.5(1) & (2))  
 NUMBER OF JACK STUDS REQUIRED @ EA END OF HEADER/BEAM

END REACTION (UP TO)	REQ'D STUDS FOR CONT'Y HEADER	END REACTION (UP TO)	REQ'D STUDS FOR CONT'Y HEADER	END REACTION (UP TO)	REQ'D STUDS FOR CONT'Y HEADER
1700	1	2550	1	3400	1
3400	2	5100	2	6800	2
5100	3	7650	3	10200	3
6800	4	10200	4	13600	4
8500	5	12750	5	17000	5
10200	6	15300	6		
11900	7				
13600	8				
15300	9				

**Estimation**

TYPE	Roof	LF
Hip Lines	Roof	307.6 LF
Horizontal Overhang Lines	Roof	400.34 LF
Raked Overhang Lines	Roof	294.42 LF
Ridge Lines1	Roof	113.28 LF
Roof Area	Roof	6902.35 SF
Roof Decking	Roof	237 Sheets
Roof Shingles	Roof	86 Squares
Valley Lines	Roof	218.61 LF

JUS26	USP	g	NA	10d/3"	10d/3"
HUS26	USP	g	NA	16d/3-1/2"	16d/3-1/2"
HUS28	USP	23		16d/3-1/2"	16d/3-1/2"
THD26-2	USP	3	NA	16d/3-1/2"	10d/3"
THD28-2	USP	3	NA	16d/3-1/2"	10d/3"

▲ Indicates Left End of Truss  
 (Reference Engineered Truss Drawing)  
 Do NOT Erect Truss Backwards

BUILDER	SEGC	COUNTY	cumberland
JOB NAME	LEWIS RESIDENCE	ADDRESS	202 BROAD LAKE LN
PLAN	SEGC-2995	MODEL	ROOF
SEAL DATE	NONE	DATE REV.	/ /
QUOTE #	Quote #	DRAWN BY	Bob Lewis
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THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the attached drawings. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, walls, and chimneys is the responsibility of the building designer. For general guidance regarding bracing, consult BCS-B1 and BCS-B3 provided with this drawing. See also the BCS-B4 and BCS-B5 drawings.

Bearing reactions less than or equal to 3000# are deemed to comply with the prescriptive Code requirements. The contractor shall refer to the attached Tables 1 through 5 to determine the minimum size and number of wood studs required to support reactions greater than 3000# but not greater than 10000#. A registered design professional shall be retained to design the support system for any reaction that exceeds those specified in the attached Tables. A registered design professional shall be retained to design the support system for all reactions that exceed 10000#.

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**SCALE: NTS**