

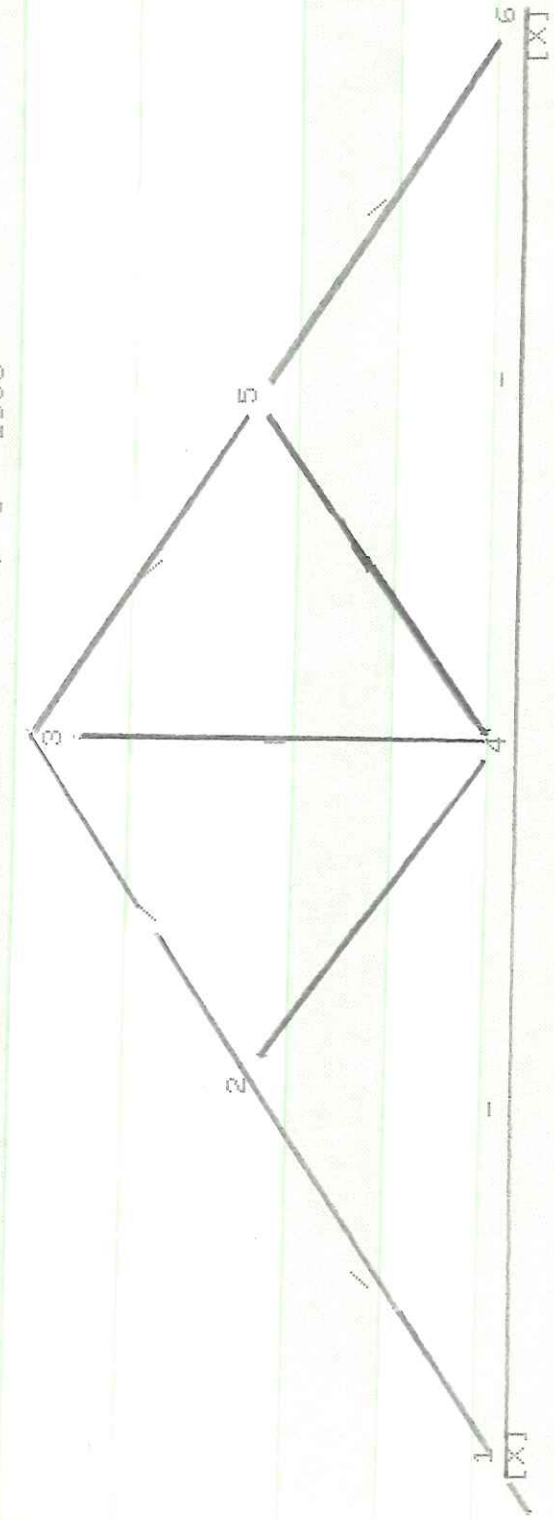
SPAN 12 4 0 1PLIES STRESS INCREASE 1.15 SPACING 24" O.C.
 TOP LIVE LOAD 25.0 DEAD 10.0 BOT LIVE LOAD 20.0 DEAD 10.0
 LEFT HEEL HT 4.46 RIGHT 4.46 LEFT SCARF CUT 4.88 RIGHT 4.88
 L CANT 0 0 1<-->2 11 9 0 R CANT 0 0 0
 OVERHANGS: LT: 2'-0 0/16" on HORIZ, End Is PLUMB Cut
 RT: 2'-0 0/16" on HORIZ, End Is PLUMB Cut

REACTION1 802 REACTION2 802
 (PANEL LENGTHS)
 TOP CHORD 39.44 34.56 34.56 39.44
 BOTTOM CHORD 74.00 74.00

(PITCHES)
 TOP CHORD 8.00 8.00 -8.00 -8.00
 BOTTOM CHORD 0.00 0.00

(FORCES)
 TOP CHORD 904C 723C 723C 904C
 BOTTOM CHORD 752T 752T

WEBS 2- 4 190C 3- 4 600T 4- 5 190C



*** This force analysis is based upon the use of No. 2 Lumber in
 *** optimized chords. Consequently reanalysis of the truss may
 *** produce slightly different results.

DEFINITIONS OF CODES

1 - 2 X 4 So. Pine KD 15 No. 2
 2 - 2 X 4 So. Pine KD 15 No. 3

*NOTE:

TOP CHORD DESIGN BASED ON CONTINUOUS SHEATHING

TOP CHORD (MIDPANEL)

CODE	1	1	1	1
AXIAL	0.130	0.104	0.104	0.130
BENDING	0.081	0.081	0.081	0.081
C.S.I.	0.211	0.185	0.185	0.211

(PANEL POINT)

AXIAL	0.130	0.104	0.104	0.130
BENDING	0.114	0.114	0.114	0.114
C.S.I.	0.245	0.219	0.219	0.245

BOTTOM CHORD

CODE	1	1
AXIAL	0.138	0.138
BENDING	0.504	0.504
C.S.I.	0.642	0.642

CONTINUE? (Y/N) Y

MEM (	2- 4)	2x 4 So. Pine KD 15	No. 3	0 BRACES	L'/D 21.4	CSI 0.051
MEM (	3- 4)	2x 4 So. Pine KD 15	No. 3	0 BRACES	L'/D 30.7	CSI 0.199
MEM (	4- 5)	2x 4 So. Pine KD 15	No. 3	0 BRACES	L'/D 21.4	CSI 0.051

POINT	1	4	6
DEFLECTION	0.000	0.029	0.000

SUPPORT	1	2
HORIZ DISP	0.000	0.013

NUMBER OF TRUSSES TO BE FABRICATED 11
 FULL CUTTING BILL? (Y/N) Y

SQUARE CUT: 0 OR 90 DEGREES? (0/90) 90

CUTTING BILL (SQUARE CUT = 90 DEG.)

ID: RAUSH #481 QU.

DATE: 10/ 2/86

TIME: 09:58:26

NO OF TRUSSES TO BE FABRICATED: 11

TRUSS SPAN: 12ft. 4in. 0/16

TRUSS HEIGHT: 4ft. 5in. 13/16

(CHORDS) - Top: So. Pine KD 15
 Bottom: So. Pine KD 15

TOT PCS/	PCS TRUSS	TYPE	PC JOINT NOM. NOM.	MK CODES SIZE LENG	***** ANGLES *****	FT IN 16	CENTER	LONGEST
							FT IN 16	FT IN 16

22	2	TOP CHORD	1T	1- 3	4 12	56.3 /*****\	-56.3	9 9 13	10 0 2
		No. 2		3- 6		-56.3/*****\	56.3		

11	1	BOT CHORD	1B	1- 6	4 14	33.7 /*****\	33.7	11 11 8	12 4 0
		No. 2				90.0|*****|	90.0		

LEFT SCARF CUT 4.9 RIGHT SCARF CUT 4.9
 LEFT NUB CUT 0.25 RIGHT NUB CUT 0.25

(WEBS) - So. Pine KD 15

TOT PCS/	PCS TRUSS	TYPE	PC JOINT NOM. NOM.	MK CODES SIZE LENG	***** ANGLES *****	FT IN 16	CENTER	LONGEST
							FT IN 16	FT IN 16

SINGLE CUT - DOUBLE CUT

22	2	WEB	1W	2- 4	4 4	68.8 /*****\	54.9	3 4 2	3 4 12
		No. 3		4- 5		-68.8/*****\	35.1		

11	1	WEB	2W	3- 4	4 4	56.3 /*****\	90.0	3 10 1	3 10 1
		No. 3				56.3 \*****|	90.0		

Lumber Required For One Truss:

25.33 Bd Ft (38.00 Lin Ft) 2x 4 So. Pine KD 15 No. 2
 8.00 Bd Ft (12.00 Lin Ft) 2x 4 So. Pine KD 15 No. 3

APPROX. WEIGHT PER TRUSS. 75.00 LBS WT FOR TOTAL JOB. 825.00 LBS

Lumber Pick List:

22 Pcs. 2x 4x12 Ft. Long So. Pine KD 15 No. 2
 11 Pcs. 2x 4x14 Ft. Long So. Pine KD 15 No. 2
 33 Pcs. 2x 4x 4 Ft. Long So. Pine KD 15 No. 3

FULL PLATE LISTING? (Y/N) Y

* JOINT PLATE LIST *

Jt	Size	Placement	Short Edge	Long Edge
1	3x4	Long Edge With Bot Chord		

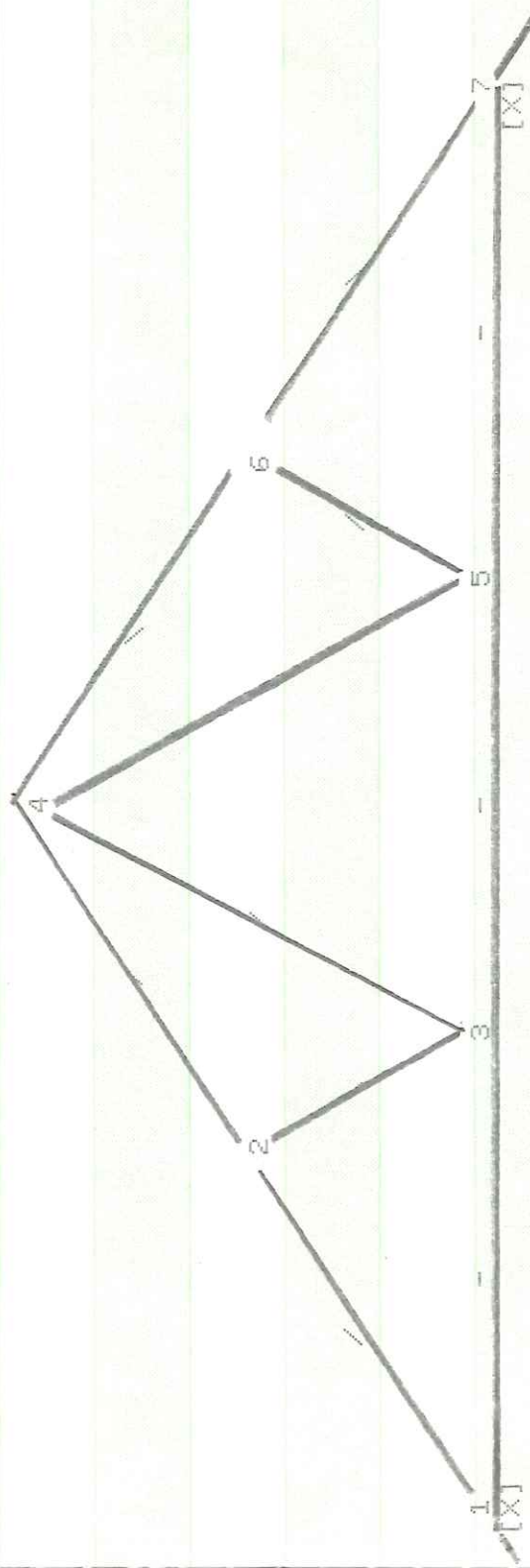
SPAN 22 4 0 1PLIES STRESS INCREASE 1.15 SPACING 24" O.C.
 TOP LIVE LOAD 25.0 DEAD 10.0 BOT LIVE LOAD 20.0 DEAD 10.0
 LEFT HEEL HT 4.46 RIGHT 4.46 LEFT SCARF CUT 4.88 RIGHT 4.88
 L CANT 0 0 0 1<-->2 21 9 0 R CANT 0 0 0
 OVERHANGS: LT: 2'-0 0/16" on HORIZ, End Is PLUMB Cut
 RT: 2'-0 0/16" on HORIZ, End Is PLUMB Cut

REACTION1 1452 REACTION2 1452
 (PANEL LENGTHS)
 TOP CHORD 69.44 64.56 64.56 69.44
 BOTTOM CHORD 90.96 86.08 90.96

(PITCHES)
 TOP CHORD 8.00 8.00 -8.00 -8.00
 BOTTOM CHORD 0.00 0.00 0.00

(FORCES)
 TOP CHORD 1842C 1675C 1675C 1842C
 BOTTOM CHORD 1533T 1037T 1533T

WEBS 2-3 329C 3-4 822T 4-5 822T 5-6 329C



DEFINITIONS OF CODES

1 - 2 X 4 So. Pine KD 15 No. 2
 2 - 2 X 4 So. Pine KD 15 No. 2 Dense
 3 - 2 X 4 So. Pine KD 15 No. 3

*NOTE:

TOP CHORD DESIGN BASED ON CONTINUOUS SHEATHING

TOP CHORD (MIDPANEL)

CODE 1 1 1 1
 AXIAL 0.284 0.258 0.258 0.284
 BENDING 0.297 0.295 0.295 0.297
 C.S.I. 0.580 0.553 0.553 0.580

(PANEL POINT)

AXIAL 0.265 0.241 0.241 0.265
 BENDING 0.399 0.399 0.399 0.399
 C.S.I. 0.665 0.641 0.641 0.665

BOTTOM CHORD

CODE 2 2 2 2
 AXIAL 0.242 0.164 0.242
 BENDING 0.652 0.652 0.652
 C.S.I. 0.894 0.815 0.894

CONTINUE? (Y/N) Y

WEB (2- 3) 2x 4 So. Pine KD 15 No. 3 0 BRACES L'/D 25.7 CSI 0.100
 WEB (3- 4) 2x 4 So. Pine KD 15 No. 3 0 BRACES L'/D 64.2 CSI 0.272
 WEB (4- 5) 2x 4 So. Pine KD 15 No. 3 0 BRACES L'/D 64.2 CSI 0.272
 WEB (5- 6) 2x 4 So. Pine KD 15 No. 3 0 BRACES L'/D 25.7 CSI 0.100

POINT 1 3 5 7
 DEFLECTION 0.000 0.101 0.101 0.000
 SUPPORT 1 2
 HORIZ DISP 0.000 0.041

NUMBER OF TRUSSES TO BE FABRICATED 10

FULL CUTTING BILL? (Y/N) Y

SQUARE CUT: 0 OR 90 DEGREES? (0/90) 90

CUTTING BILL (SQUARE CUT = 90 DEG.)

ID:

DATE: 10/ 2/86

TIME: 09:52:40

NO OF TRUSSES TO BE FABRICATED: 10

TRUSS SPAN: 22ft, 4in. 0/16

TRUSS HEIGHT: 7ft. 9in. 13/16

(CHORDS) - Top: So. Pine KD 15
 Bottom: So. Pine KD 15

TOT PCS/ PCS TRUSS TYPE MK CODES SIZE LENG ***** ANGLES ***** FT IN 16 CENTER LONGEST FT IN 16

20 2 TOP CHORD 1T 1- 4 4 18 56.3 /*****\ -56.3 15 9 14 16 0 4
 No. 2 4- 7 -56.3/*****\ 56.3

10 1 BOT CHORD 1B 1- 7 4 24 33.7 /*****\ 33.7 21 11 8 22 4 0
 No. 2 Dense 90.0|*****| 90.0

LEFT SCARF CUT 4.9 RIGHT SCARF CUT 4.9
 LEFT NUB CUT 0.25 RIGHT NUB CUT 0.25

(WEBS) - So. Pine KD 15

TOT PCS/ PCS TRUSS TYPE MK CODES SIZE LENG ***** ANGLES ***** FT IN 16 CENTER LONGEST FT IN 16

20 2 WEB 1W 2- 3 4 6 -82.9*****\ 26.6 4 0 2 4 0 5
 No. 3 5- 6 82.9 *****\ 63.4

DOUBLE CUT BOTH ENDS

20 2 WEB 2W 3- 4 4 10 26.6 /*****\ 63.4 8 0 4 8 0 4
 No. 3 4- 5 29.7 *****\ 26.6

Lumber Required For One Truss:

24.00 Bd Ft (36.00 Lin Ft) 2x 4 So. Pine KD 15 No. 2
 16.00 Bd Ft (24.00 Lin Ft) 2x 4 So. Pine KD 15 No. 2 Dense
 21.33 Bd Ft (32.00 Lin Ft) 2x 4 So. Pine KD 15 No. 3

APPROX. WEIGHT PER TRUSS. 136.00 LBS WT FOR TOTAL JOB. 1380.00 LBS

Lumber Pick List:

20 Pcs. 2x 4x18 Ft. Long So. Pine KD 15 No. 2
 10 Pcs. 2x 4x24 Ft. Long So. Pine KD 15 No. 2 Dense
 20 Pcs. 2x 4x 6 Ft. Long So. Pine KD 15 No. 3
 20 Pcs. 2x 4x10 Ft. Long So. Pine KD 15 No. 3

FULL PLATE LISTING? (Y/N) Y

* JOINT PLATE LIST *