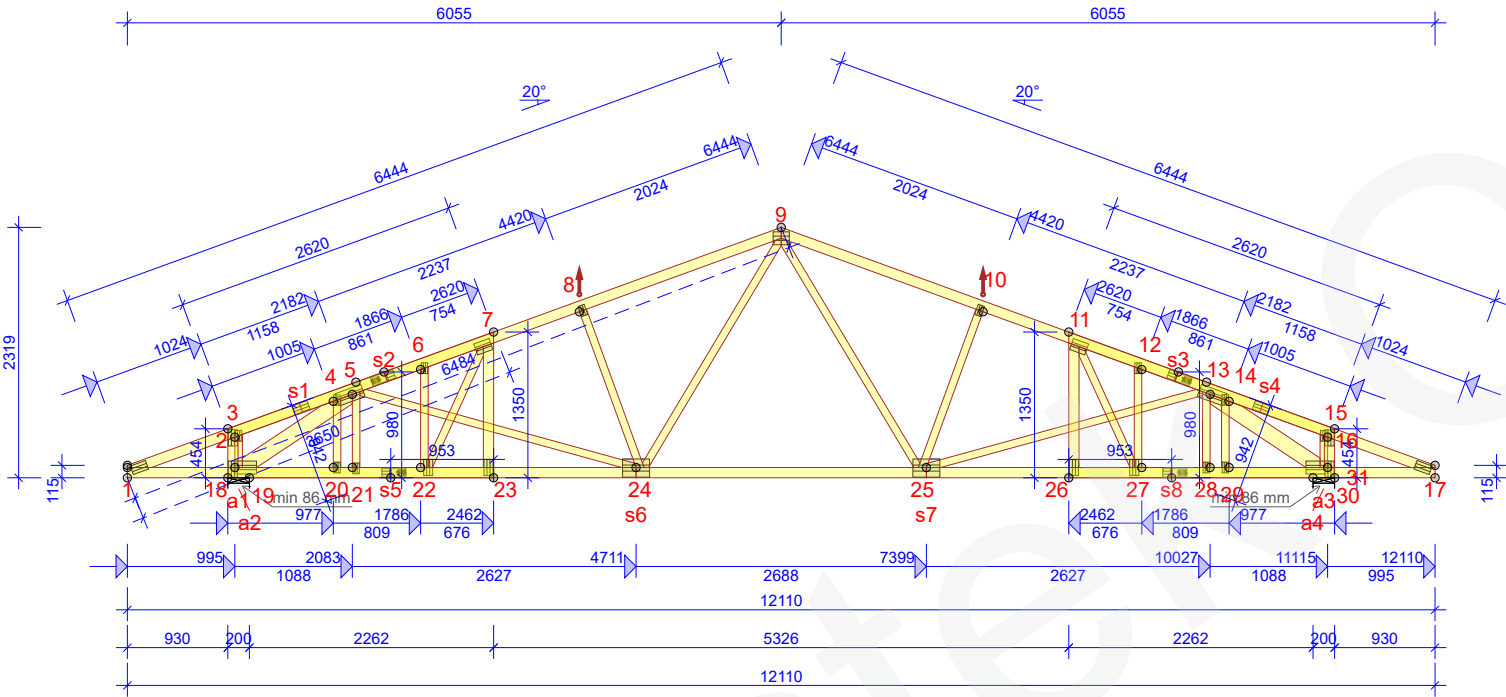




GENERAL DIRECTIONS

THE STRUCTURE HAS BEEN CALCULATED USING
COMPUTER PROGRAM "MITEK PAMIR",
OU Trustek_EE1 - LICENSE: 15421
DESIGN CODE: EN 1995-1-1:2004 + A2:2014 + EE NA:2007 +
A1:2008 + EE NA:2009
FULL DESIGN RESULTS AS PER CALC. PRINTOUT

GENERAL SETTINGS

TIMBER THICKNESS (mm): 45
TRUSS WEIGHT (kg/ply): 127
TRUSS CENTRES (mm): 930
LOAD SHARING FACTOR: 1.1
SERVICE CLASS: 2 = 65% <= RH < 85%
THE TRUSS PLANT IS CONTROLLED BY :
BM TRADA Latvia Ltd
PRODUCT CERTIFICATE: 2358 - CPR - 2358-CPR-083
BRACING: SEE TIMBER TABLE

LOADS (N/m²)

SNOW ZONE: 1.5
SNOW LOAD (Sk): 1500
WIND LOAD (qp(z)): 587
LIVE LOAD ON BOTTOM CHORD: 500
DEAD LOAD ON ROOF: 550
DEAD LOAD ON CEILING: 450
DEAD LOAD ON CEILING EXPOSED: 300
SELF-WEIGHT ADDED

SUPPORT REACTIONS (N) (ULTIMATE)

JOINT NO	DIR.	LC P/L	LC M	LC S	LC I	LC I	S-W
		MAX	MAX	MAX	MAX	MIN	mm
a2	HOR.	0	0	1394	0	-	
a2	VER.	8259	19474	19910	0	0	86
a4	VER.	8259	19474	19910	0	0	86

MAX DEFLECTION (mm) (SERVICEABILITY)

JOINT NO	VER.	HOR.	LC NO.
24-25	15.3	2	1002:6 (WFIN (FREQUENT))
9-10	12.5	0.5	1002:6 (WFIN (FREQUENT))
7	12.1	4.8	1002:6 (WFIN (FREQUENT))

FOR DEFLECTIONS AT OTHER POINTS - SEE CALC. PRINTOUT

TIMBER				THICKNESS 45 mm			
JOINT FR-TO	DEPTH mm	GRADE	BRACING mm/no.	CSI %			
1-9	95	C24	350	95	1	MITopW	84
9-17	95	C24	350	94	2	MITopW	84
2-7	95	C24	1000	26	3	MITopW	60
11-16	95	C24	1000	26	5	MITopW	120
1-17	95	C24	SHEETING	93	6	MITopW	60
18-23	95	C24	SHEETING	25	7	MITopW	108
26-31	95	C24	SHEETING	24	8	MITopW	60
2-18	95	C24	NONE	21	9	MITopW	120
7-23	95	C24	NONE	10	10	MITopW	60
11-26	95	C24	NONE	10	11	MITopW	108
16-31	95	C24	NONE	20	12	MITopW	60
3-19	70	C24	NONE	7	13	MITopW	120
5-19	145	C24	NONE	94	14	MITopW	60
4-20	70	C24	NONE	11	16	MITopW	84
5-21	70	C24	NONE	9	17	MITopW	84
6-22	70	C24	NONE	13	18	MITopW	84
5-24	70	C24	NONE	36	19	MITopW	120
7-22	70	C24	NONE	13	20	MITopW	60
8-24	70	C24	NONE	47	21	MITopW	60
9-24	70	C24	NONE	24	22	MITopW	84
9-25	70	C24	NONE	24	23	MITopW	84
10-25	70	C24	NONE	47	24	MITopW	168
13-25	70	C24	NONE	36	25	MITopW	168
11-27	70	C24	NONE	13	26	MITopW	84
12-27	70	C24	NONE	13	27	MITopW	84
13-28	70	C24	NONE	9	29	MITopW	60
13-30	145	C24	NONE	94	30	MITopW	120
14-29	70	C24	NONE	11	31	MITopW	84
15-30	70	C24	NONE	7			

FASTENERS - SPLICES EXCL						
JOINT NO	PLATE TYPE	WIDTH mm	LENGTH mm	CSI %		
1	MITopW	84	150	52		
2	MITopW	84	150	48		
3	MITopW	60	100	48		
4	MITopW	60	100	48		
5	MITopW	120	250	100		
6	MITopW	60	100	48		
7	MITopW	108	150	53		
8	MITopW	60	100	46		
9	MITopW	120	150	86		
10	MITopW	60	100	46		
11	MITopW	108	150	53		
12	MITopW	60	100	48		
13	MITopW	120	250	99		
14	MITopW	60	100	48		
15	MITopW	60	100	48		
16	MITopW	84	150	48		
17	MITopW	84	150	52		
18	MITopW	84	150	36		
19	MITopW	120	200	97		
20	MITopW	60	100	46		
21	MITopW	60	100	60		
22	MITopW	84	150	82		
23	MITopW	84	150	44		
24	MITopW	168	250	59		
25	MITopW	168	250	59		
26	MITopW	84	150	44		
27	MITopW	84	150	82		
28	MITopW	60	100	46		
29	MITopW	60	100	46		
30	MITopW	120	200	97		
31	MITopW	84	150	35		

FASTENER LOCATION TOLERANCE: 8 mm

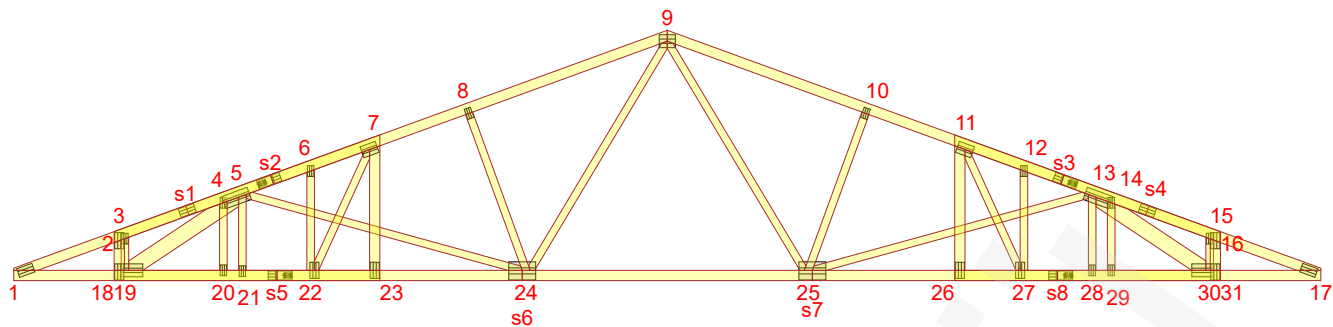
FASTENERS - SPLICES				
JOINT NO	PLATE TYPE	WIDTH mm	LENGTH mm	CSI %
s1	MITopW	84	150	19
s2	GNT150S-K	84	221	40
s3	GNT150S-K	84	221	40
s4	MITopW	84	150	19
s5	GNT150S-K	84	221	40
s8	GNT150S-K	84	221	40

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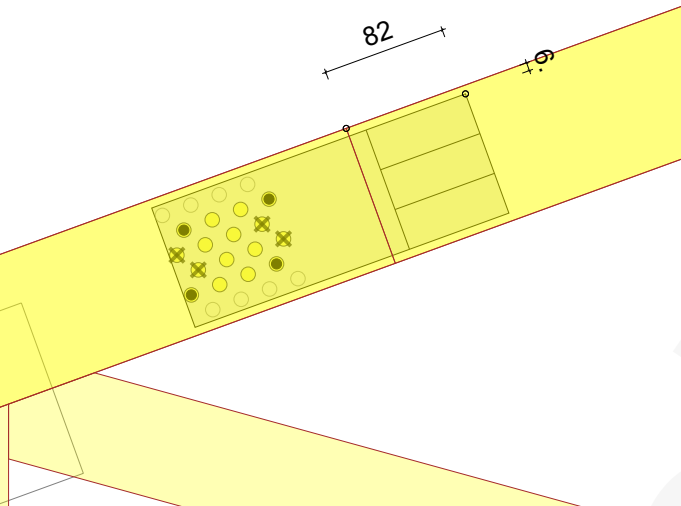
		Customer:	Project no:
		Project name:	096921TTC_Paneel
		Project address:	Mark:
			T1
Page name:		Page no:	1/1
Scale:		Date:	1:70
Cert. no		Page no:	17/04/2025

17/04/2025 - 08:34
2025.1c (f09b50f)

Designer S.K
Supervisor
Main engineer
Cert. no



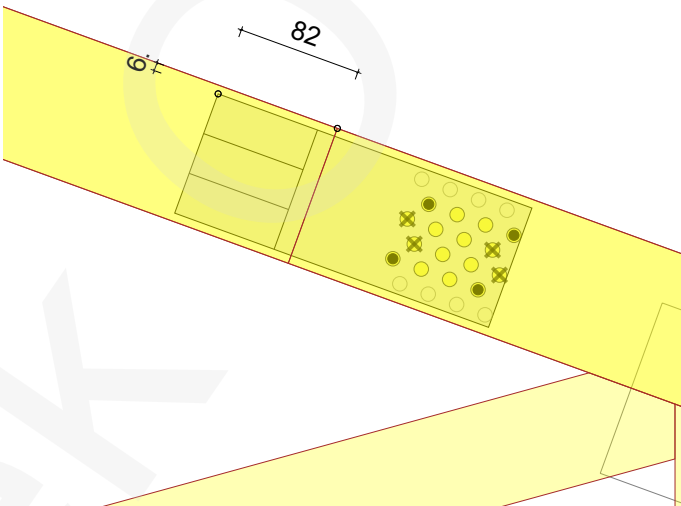
s2



GNT150S-K 84x221
Nail: 4 no. RINGED NAIL 4 X 35 / side

40%
Scale 1:5

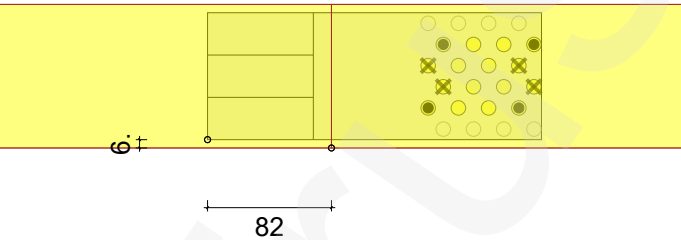
s3



GNT150S-K 84x221
Nail: 4 no. RINGED NAIL 4 X 35 / side

40%
Scale 1:5

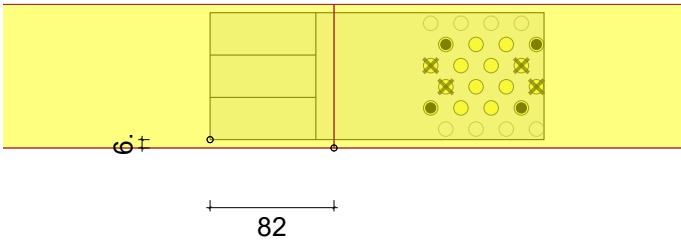
s5



GNT150S-K 84x221
Nail: 4 no. RINGED NAIL 4 X 35 / side

40%
Scale 1:5

s8



GNT150S-K 84x221
Nail: 4 no. RINGED NAIL 4 X 35 / side

40%
Scale 1:5

FASTENER LOCATION TOLERANCE: 8 mm

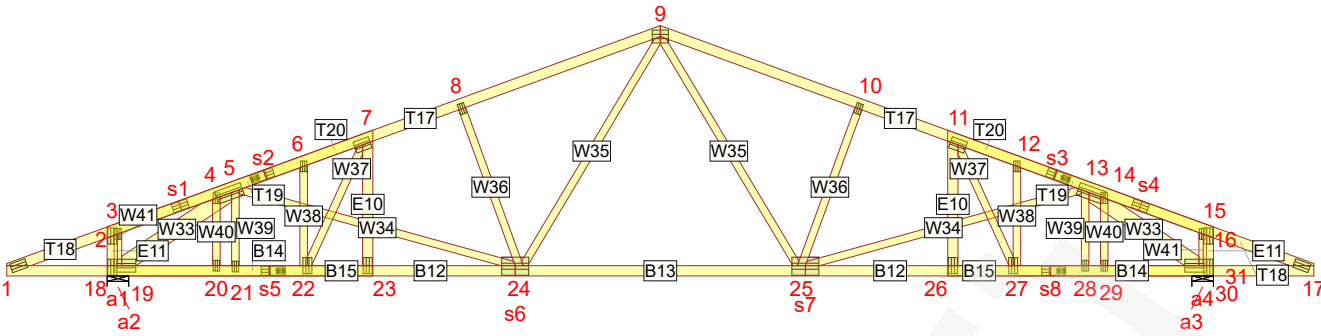


Designer	S.K		
Supervisor			
Main engineer			
Cert. no			

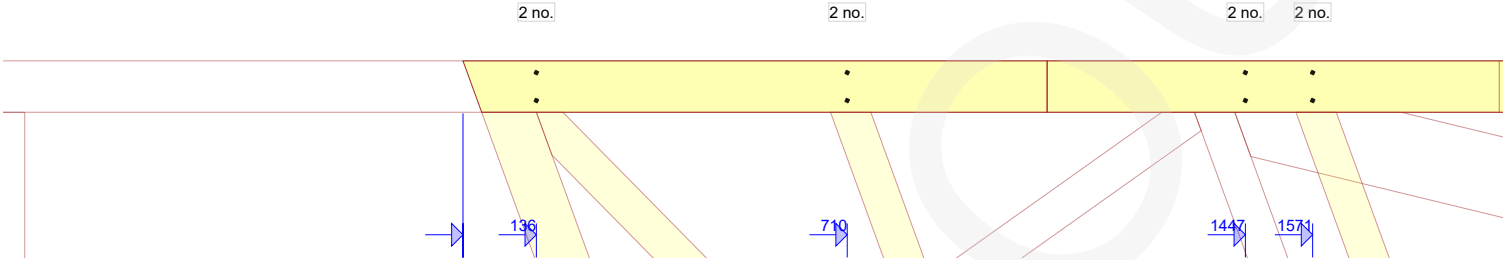
17/04/2025 - 08:34
2025.1c (f09b50f)

Customer:	Project no:
Project name:	096921TTC_Paneel
Project address:	Mark:
Page name:	T1
	Revision:
	Page no:
	1/1
	Scale:
	1:70
Date:	Page no:
17/04/2025	

T1



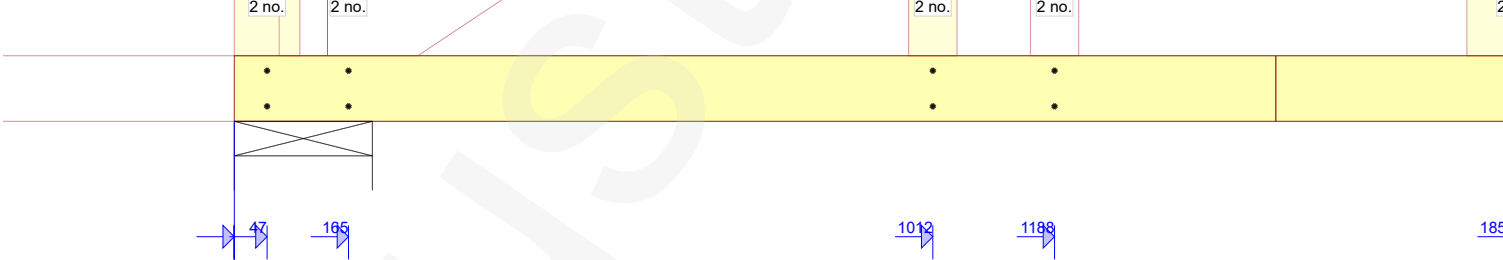
T20 Smooth nail 3.1 x 90 45 x 95 C24 - 1080 mm Member layer: -1



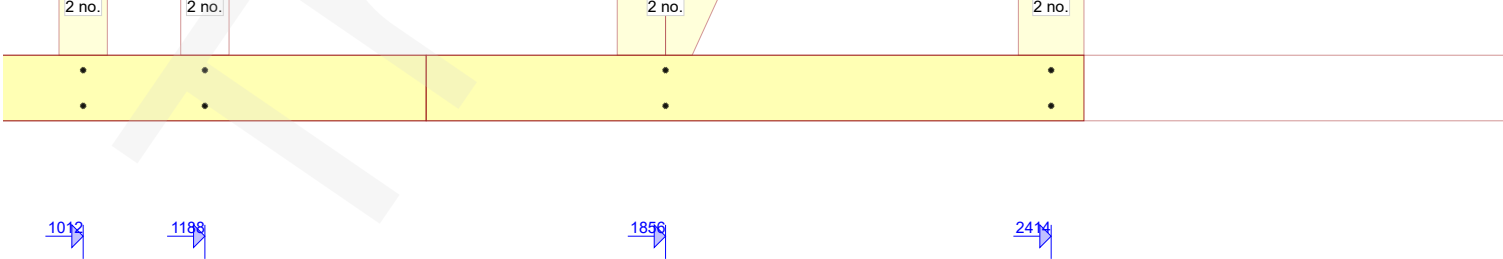
T19 Smooth nail 3.1 x 90 45 x 95 C24 - 1574 mm Member layer: -1



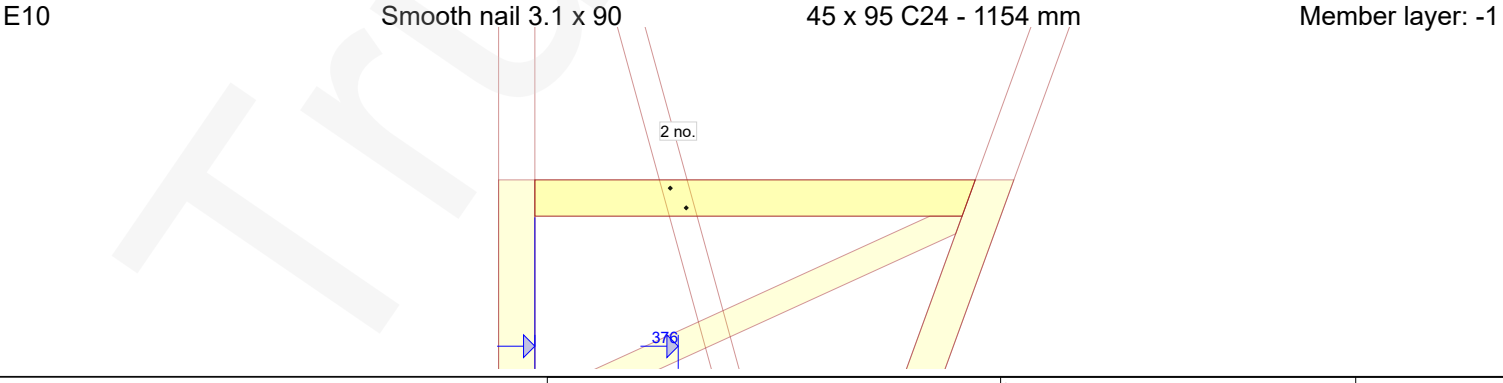
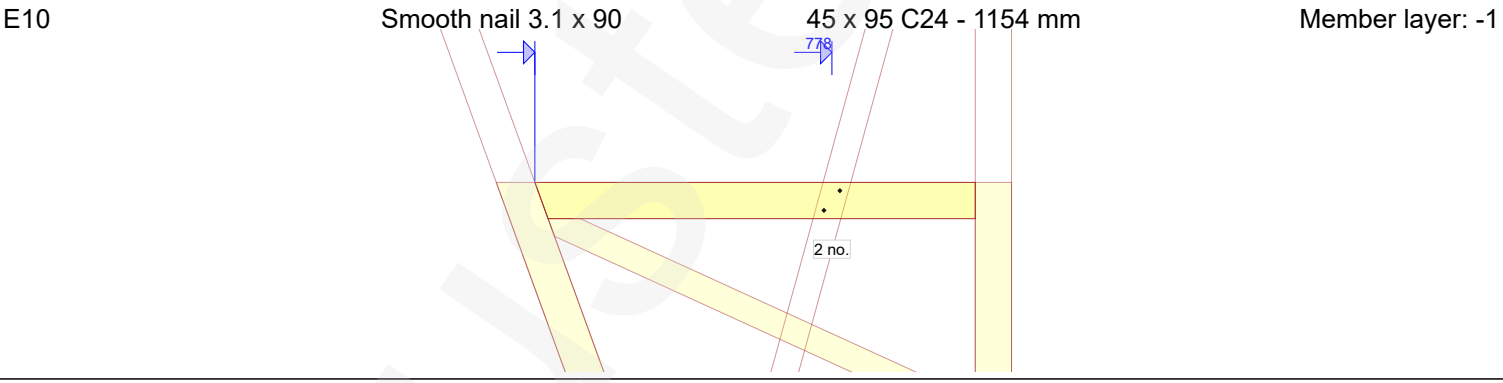
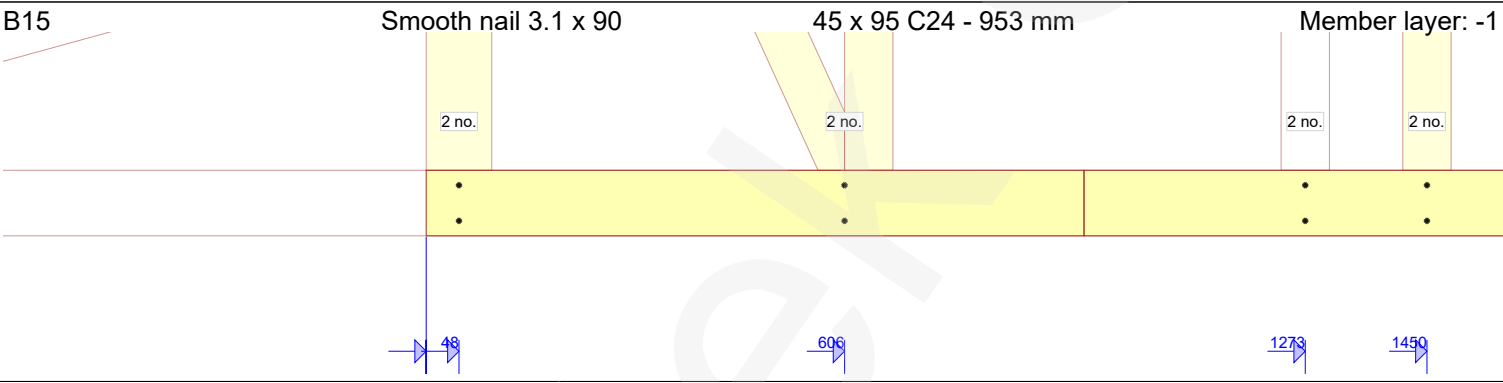
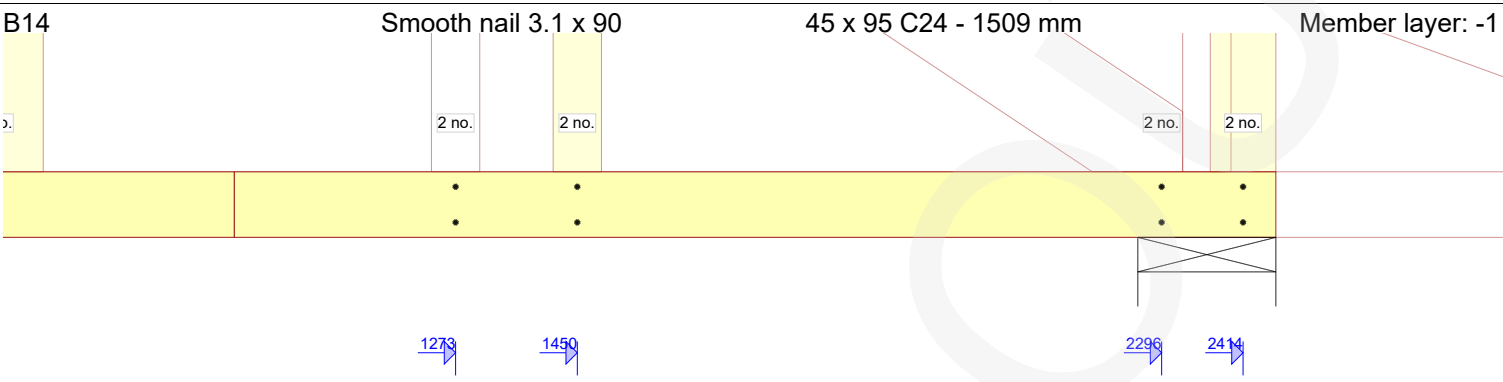
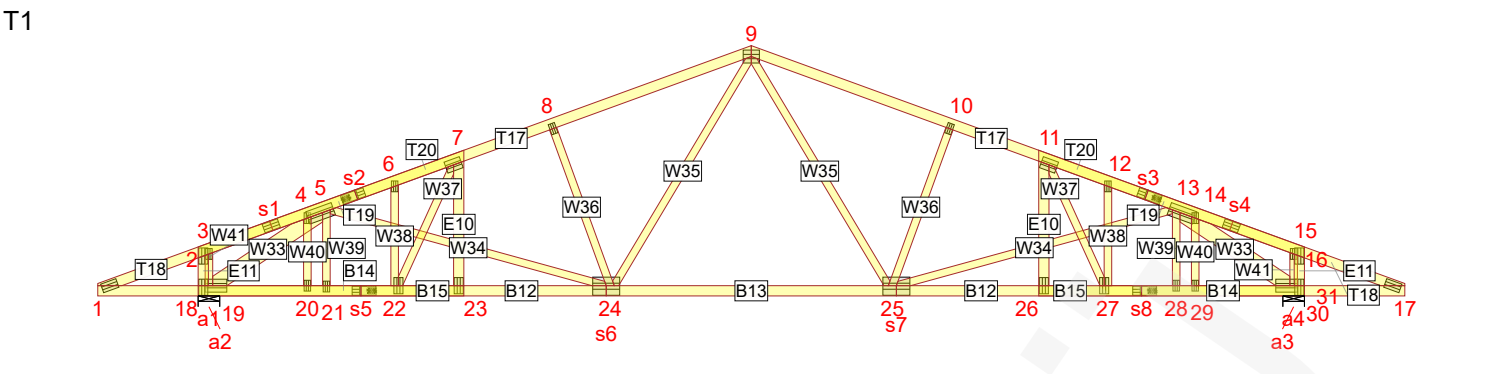
B14 Smooth nail 3.1 x 90 45 x 95 C24 - 1509 mm Member layer: -1



B15 Smooth nail 3.1 x 90 45 x 95 C24 - 953 mm Member layer: -1

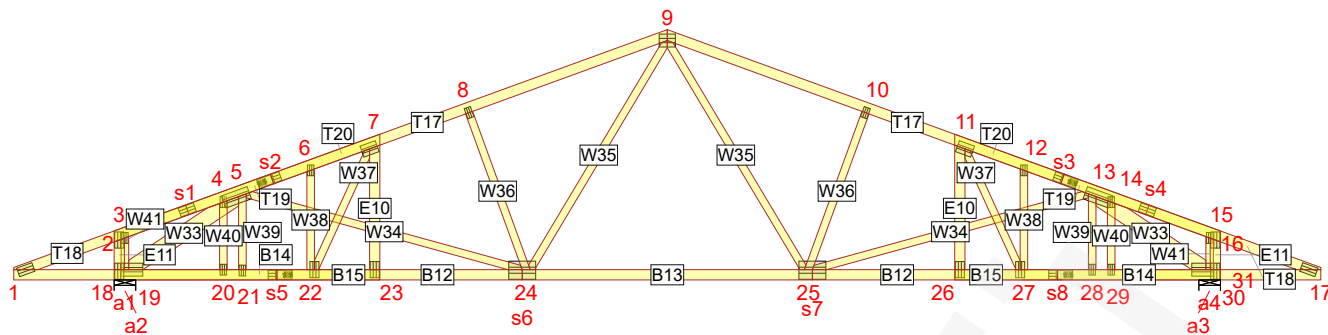


 17/04/2025 - 08:34 2025.1c (f09b50f)	Customer:	Project no:
	Project name:	096921TTC_Paneel
	Project address:	Mark:
	Page name:	T1
	Page no:	1/4
Designer S.K	Supervisor	Scale:
Main engineer	Date:	1:70
Cert. no	Page no:	17/04/2025

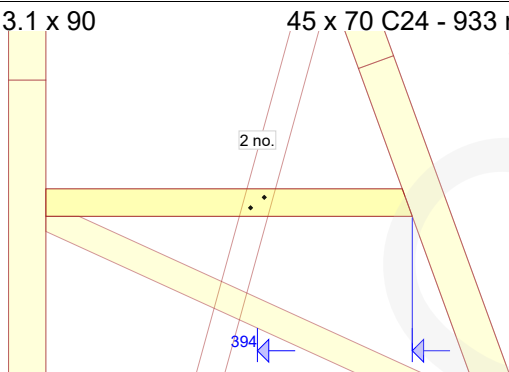


 17/04/2025 - 08:34 2025.1c (f09b50f)				Customer:		Project no:	
				Project name:		Mark:	
				Project address:		Revision:	
				Page name:		Page no:	
				Date:		Page no:	
Designer	S.K			Scale:		1:70	
Supervisor				Date:		17/04/2025	
Main engineer							
Cert. no							

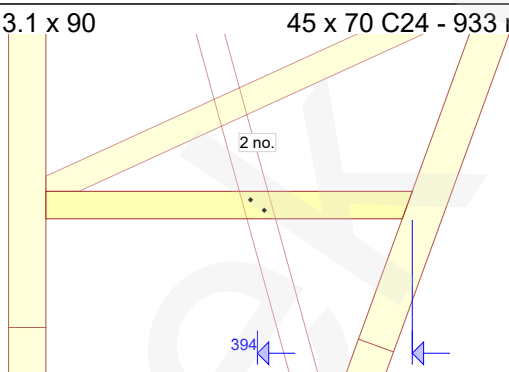
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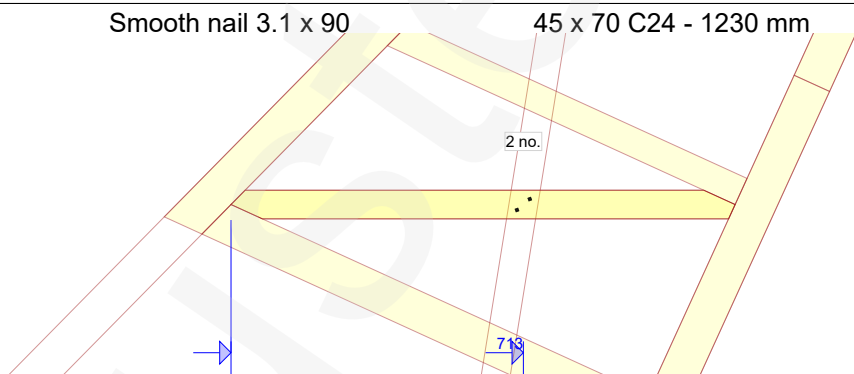
W38	Smooth nail 3.1 x 90	45 x 70 C24 - 933 mm	Member layer: -1
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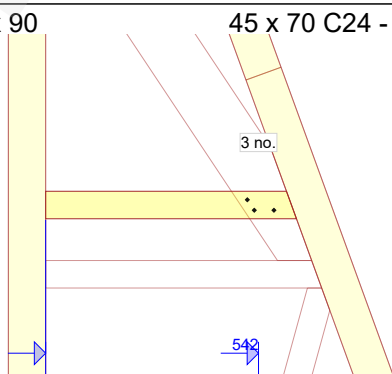
W38	Smooth nail 3.1 x 90	45 x 70 C24 - 933 mm	Member layer: -1
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W37	Smooth nail 3.1 x 90	45 x 70 C24 - 1230 mm	Member layer: -1
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W40	Smooth nail 3.1 x 90	45 x 70 C24 - 639 mm	Member layer: -1
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 TRUSTEK FERMITEHAS					Customer:	Project no:	
					Project name:	096921TTC_Paneel	
					Project address:	Mark:	T1
					Page name:	Revision:	
	Designer	S.K				Page no:	3/4
Supervisor					Scale:	1:70	
Main engineer					Date:	17/04/2025	Page no:
Cert. no							

GENERAL DIRECTIONS

THE STRUCTURE HAS BEEN CALCULATED USING
COMPUTER PROGRAM "MITEK PAMIR",
OU Trustek_EE1 - LICENSE: 15421
DESIGN CODE: EN 1995-1-1:2004 + A2:2014 + EE NA:2007 +
A1:2008 + EE NA:2009
FULL DESIGN RESULTS AS PER CALC. PRINTOUT

GENERAL SETTINGS

TIMBER THICKNESS (mm): 45
TRUSS WEIGHT (kg/ply): 86
TRUSS CENTRES (mm): 930
LOAD SHARING FACTOR: 1.1
SERVICE CLASS: 2 = 65% <= RH < 85%
THE TRUSS PLANT IS CONTROLLED BY :
BM TRADA Latvia Ltd
PRODUCT CERTIFICATE: 2358 - CPR - 2358-CPR-083
BRACING: SEE TIMBER TABLE

LOADS (N/m²)

SNOW ZONE: 1.5
SNOW LOAD (Sk): 1500
WIND LOAD (qp(z)): 587
LIVE LOAD ON BOTTOM CHORD: 500
DEAD LOAD ON ROOF: 550
DEAD LOAD ON CEILING: 450
DEAD LOAD ON CEILING EXPOSED: 300
SELF-WEIGHT ADDED

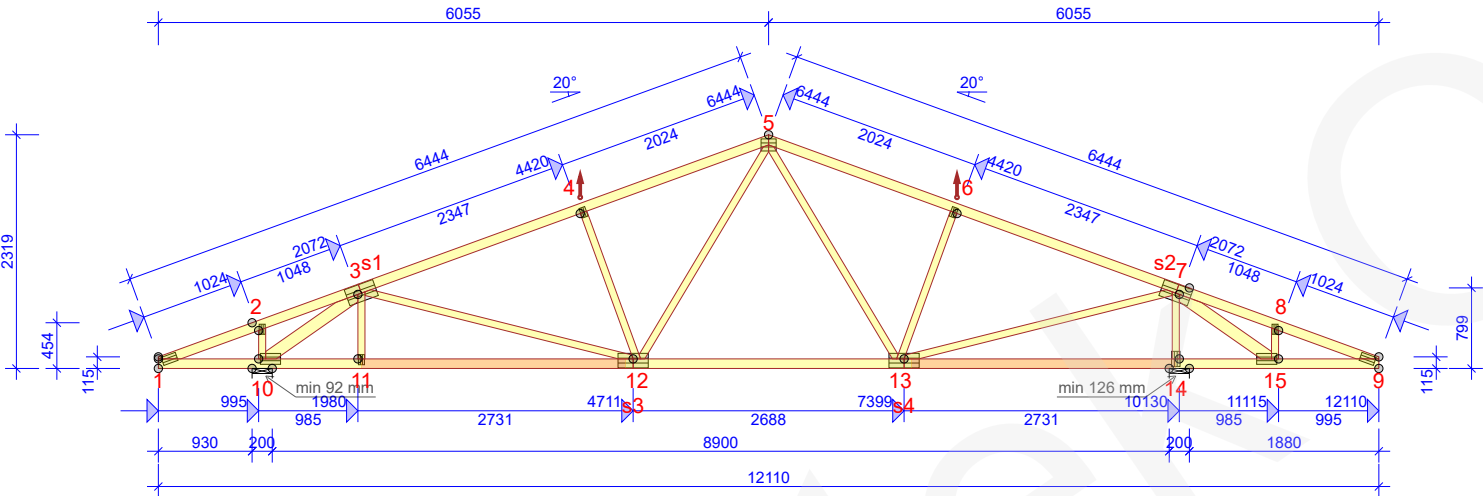
SUPPORT REACTIONS (N) (ULTIMATE)

JOINT NO	DIR.	LC P/L	LC M	LC S	LC I	LC I	S-W
		MAX	MAX	MAX	MAX	MIN	mm
10	HOR.	0	0	-1394	0	-	
10	VER.	7205	17312	17742	0	0	92
14	VER.	8707	21190	21902	0	0	126

MAX DEFLECTION (mm) (SERVICEABILITY)

JOINT NO	VER.	HOR.	LC NO.
11-12	14.5	0.7	1002:6 (WFIN (FREQUENT))
13-14	12.5	1.8	1002:6 (WFIN (FREQUENT))
3-4	11.2	3.8	1002:6 (WFIN (FREQUENT))

FOR DEFLECTIONS AT OTHER POINTS - SEE CALC. PRINTOUT



FASTENER LOCATION TOLERANCE: 8 mm

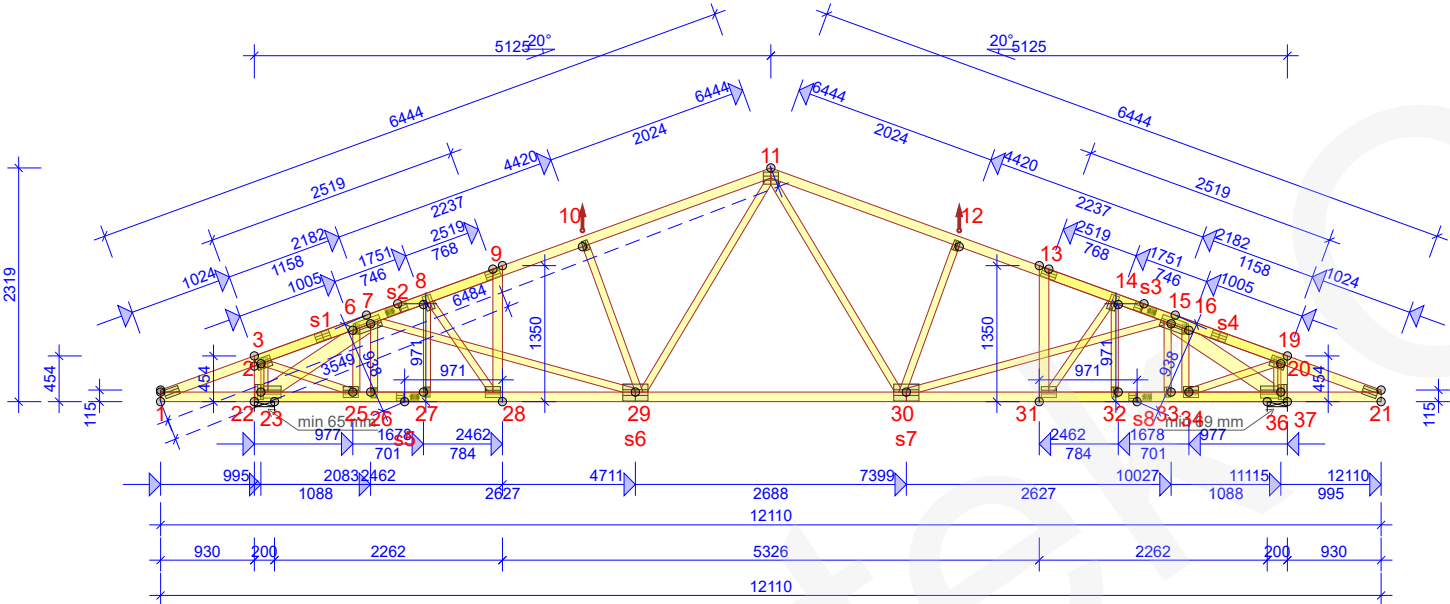
TIMBER THICKNESS 45 mm				
JOINT FR-TO	DEPTH mm	GRADE	BRACING mm/no.	CSI %
1-5	95	C24	350	96
5-9	95	C24	350	91
1-9	95	C24	SHEETING	99
2-10	70	C24	NONE	11
3-10	120	C24	NONE	95
3-11	70	C24	NONE	15
3-12	70	C24	NONE	18
4-12	70	C24	NONE	52
5-12	70	C24	NONE	27
5-13	70	C24	NONE	14
6-13	70	C24	NONE	53
7-13	70	C24	NONE	81
7-14	70	C24	NONE	64
7-15	120	C24	NONE	13
8-15	70	C24	NONE	12

FASTENERS - SPLICES EXCL				
JOINT NO	PLATE TYPE	WIDTH mm	LENGTH mm	CSI %
1	MiTopW	84	150	52
2	MiTopW	60	100	48
3	MiTopW	168	300	90
4	MiTopW	60	100	46
5	MiTopW	120	150	89
6	MiTopW	60	100	46
7	MiTopW	168	300	94
8	MiTopW	60	100	48
9	MiTopW	84	150	52
10	MiTopW	108	200	94
11	MiTopW	60	100	62
12	MiTopW	144	300	77
13	MiTopW	144	300	92
14	MiTopW	84	150	81
15	MiTopW	108	200	64

FASTENERS - SPLICES				
JOINT NO	PLATE TYPE	WIDTH mm	LENGTH mm	CSI %

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	Customer:	Project no:
	Project name:	096921TTC_Paneel
	Project address:	Mark:
		T2
Designer		Revision:
Supervisor		
Main engineer		Page no:
Cert. no		1/1
		Scale:
		1:75
		Date:
		15/04/2025
		Page no:



GENERAL DIRECTIONS

THE STRUCTURE HAS BEEN CALCULATED USING
COMPUTER PROGRAM "MITEK PAMIR",
OU Trustek_EE1 - LICENSE: 15421
DESIGN CODE: EN 1995-1-1:2004 + A2:2014 + EE NA:2007 +
A1:2008 + EE NA:2009
FULL DESIGN RESULTS AS PER CALC. PRINTOUT

GENERAL SETTINGS

TIMBER THICKNESS (mm): 45
TRUSS WEIGHT (kg/ply): 130
TRUSS CENTRES (mm): 930
LOAD SHARING FACTOR: 1.1
SERVICE CLASS: 2 = 65% <= RH < 85%
THE TRUSS PLANT IS CONTROLLED BY :
BM TRADA Latvia Ltd
PRODUCT CERTIFICATE: 2358 - CPR - 2358-CPR-083
BRACING: SEE TIMBER TABLE

LOADS (N/m²)

SNOW ZONE: 1.5
SNOW LOAD (Sk): 1500
WIND LOAD (qp(z)): 587
LIVE LOAD ON BOTTOM CHORD: 500
DEAD LOAD ON ROOF: 550
DEAD LOAD ON CEILING: 450
DEAD LOAD ON CEILING EXPOSED: 300
SELF-WEIGHT ADDED

SUPPORT REACTIONS (N) (ULTIMATE)

JOINT NO	DIR.	LC P/L	LC M	LC S	LC I	LC I	S-W
		MAX	MAX	MAX	MAX	MIN	mm
22	HOR.	0	0	-1386	0	-	
22	VER.	8194	19287	19723	0	0	65
37	VER.	8216	19344	19773	0	0	69

MAX DEFLECTION (mm) (SERVICEABILITY)

JOINT NO	VER.	HOR.	LC NO.
24-25	14.6	2	1002:6 (WFIN (FREQUENT))
9-10	11.8	0.5	1002:6 (WFIN (FREQUENT))
7	11	5	1002:6 (WFIN (FREQUENT))

FOR DEFLECTIONS AT OTHER POINTS - SEE CALC. PRINTOUT

TIMBER				THICKNESS 45 mm	
JOINT FR-TO	DEPTH mm	GRADE	BRACING mm/no.	CSI %	
1-11	95	C24	350	91	
11-21	95	C24	350	94	
2-9	95	C24	350	26	
13-20	95	C24	350	24	
1-21	95	C24	SHEETING	92	
22-28	95	C24	SHEETING	27	
31-37	95	C24	SHEETING	22	
2-22	95	C24	NONE	11	
9-28	95	C24	NONE	10	
13-31	95	C24	NONE	10	
20-37	95	C24	NONE	11	
3-23	70	C24	NONE	7	
2-25	70	C24	NONE	21	
7-23	145	C24	NONE	74	
6-25	70	C24	NONE	7	
7-26	70	C24	NONE	7	
8-27	70	C24	NONE	12	
7-29	70	C24	NONE	44	
8-28	70	C24	NONE	15	
10-29	70	C24	NONE	46	
11-29	70	C24	NONE	24	
11-30	70	C24	NONE	24	
12-30	70	C24	NONE	47	
15-30	70	C24	NONE	42	
14-31	70	C24	NONE	14	
14-32	70	C24	NONE	12	
15-33	70	C24	NONE	7	
16-34	70	C24	NONE	5	
15-36	145	C24	NONE	79	
20-34	70	C24	NONE	16	
19-36	70	C24	NONE	7	

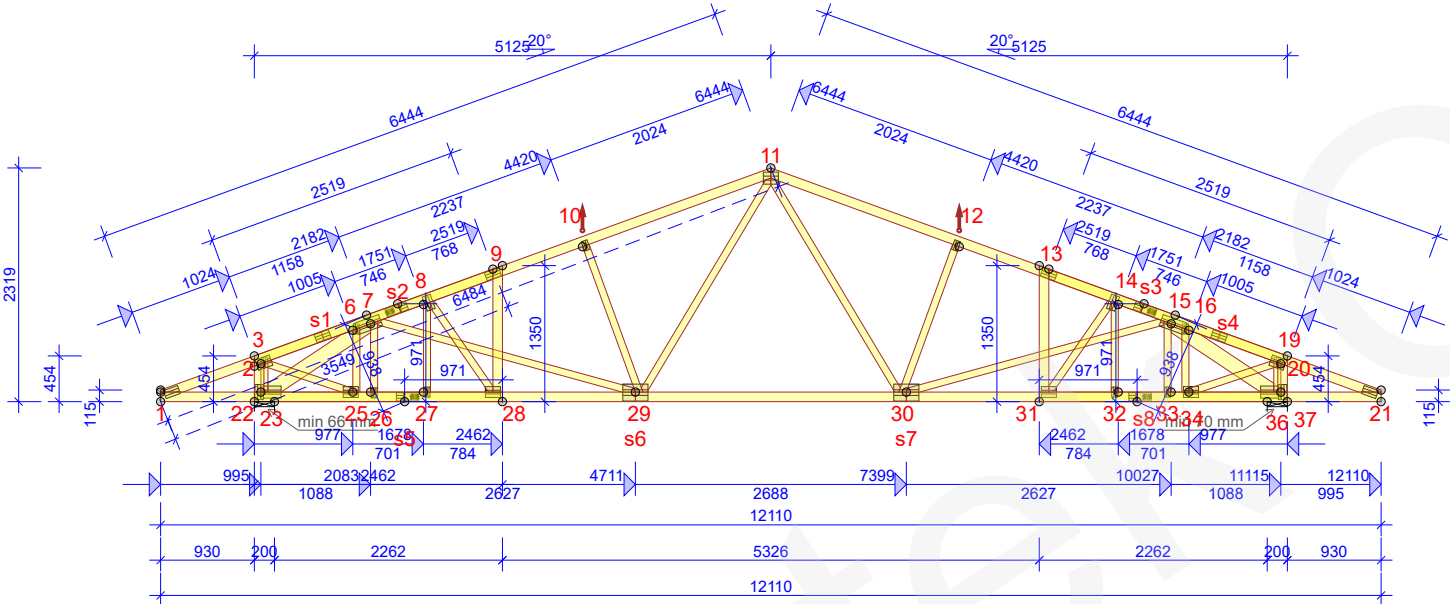
FASTENERS - SPLICES EXCL					
JOINT NO	PLATE TYPE	WIDTH mm	LENGTH mm	CSI %	
1	MiTopW	84	150	52	
2	MiTopW	108	150	57	
3	MiTopW	60	100	48	
6	MiTopW	60	100	48	
7	MiTopW	120	250	94	
8	MiTopW	84	150	61	
9	MiTopW	84	150	34	
10	MiTopW	60	100	46	
11	MiTopW	120	150	86	
12	MiTopW	60	100	46	
13	MiTopW	84	150	34	
14	MiTopW	84	150	61	
15	MiTopW	120	250	95	
16	MiTopW	60	100	48	
19	MiTopW	60	100	48	
20	MiTopW	108	150	57	
21	MiTopW	84	150	52	
22	MiTopW	84	150	44	
23	MiTopW	120	200	76	
25	MiTopW	108	150	58	
26	MiTopW	60	100	60	
27	MiTopW	60	100	57	
28	MiTopW	108	150	55	
29	MiTopW	168	250	57	
30	MiTopW	168	250	58	
31	MiTopW	108	150	55	
32	MiTopW	60	100	57	
33	MiTopW	60	100	46	
34	MiTopW	108	150	58	
36	MiTopW	120	200	82	
37	MiTopW	84	150	44	

FASTENER LOCATION TOLERANCE: 8 mm

FASTENERS - SPLICES				
JOINT NO	PLATE TYPE	WIDTH mm	LENGTH mm	CSI %
s1	MiTopW	84	150	19
s2	GNT150S-K	84	221	40
s3	GNT150S-K	84	221	40
s4	MiTopW	84	150	19
s5	GNT150S-K	84	221	40
s8	GNT150S-K	84	221	40

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				Customer:		Project no:	
				Project name:		Mark:	
				Project address:		Revision:	
				Page name:		Page no:	
Designer	S.K			Supervisor		Scale:	
Main engineer						1:75	
Cert. no						Date:	
						Page no:	
						17/04/2025	



GENERAL DIRECTIONS

THE STRUCTURE HAS BEEN CALCULATED USING
COMPUTER PROGRAM "MITEK PAMIR",
OU Trustek_EE1 - LICENSE: 15421
DESIGN CODE: EN 1995-1-1:2004 + A2:2014 + EE NA:2007 +
A1:2008 + EE NA:2009
FULL DESIGN RESULTS AS PER CALC. PRINTOUT

GENERAL SETTINGS

TIMBER THICKNESS (mm): 45
TRUSS WEIGHT (kg/ply): 130
TRUSS CENTRES (mm): 930
LOAD SHARING FACTOR: 1.1
SERVICE CLASS: 2 = 65% <= RH < 85%
THE TRUSS PLANT IS CONTROLLED BY :
BM TRADA Latvia Ltd
PRODUCT CERTIFICATE: 2358 - CPR - 2358-CPR-083
BRACING: SEE TIMBER TABLE

LOADS (N/m²)

SNOW ZONE: 1.5
SNOW LOAD (Sk): 1500
WIND LOAD (qp(z)): 587
LIVE LOAD ON BOTTOM CHORD: 500
DEAD LOAD ON ROOF: 550
DEAD LOAD ON CEILING: 450
DEAD LOAD ON CEILING EXPOSED: 300
SELF-WEIGHT ADDED

SUPPORT REACTIONS (N) (ULTIMATE)

JOINT NO	DIR.	LC P/L MAX	LC M MAX	LC S MAX	LC I MAX	LC I MIN	S-W mm
22	HOR.	0	0	1394	0	-	
22	VER.	8272	19485	19922	0	0	66
37	VER.	8272	19485	19922	0	0	70

MAX DEFLECTION (mm) (SERVICEABILITY)

JOINT NO	VER.	HOR.	LC NO.
24-25	14.9	2	1002:6 (WFIN (FREQUENT))
8-9	11.9	3.5	1002:6 (WFIN (FREQUENT))
7	11	5	1002:6 (WFIN (FREQUENT))

FOR DEFLECTIONS AT OTHER POINTS - SEE CALC. PRINTOUT

TIMBER				THICKNESS 45 mm	
JOINT FR-TO	DEPTH mm	GRADE	BRACING mm/no.	CSI %	
1-11	95	C24	350	94	
11-21	95	C24	350	94	
2-9	95	C24	350	26	
13-20	95	C24	350	24	
1-21	95	C24	SHEETING	93	
22-28	95	C24	SHEETING	27	
31-37	95	C24	SHEETING	23	
2-22	95	C24	NONE	12	
9-28	95	C24	NONE	10	
13-31	95	C24	NONE	10	
20-37	95	C24	NONE	11	
3-23	70	C24	NONE	7	
2-25	70	C24	NONE	21	
7-23	145	C24	NONE	75	
6-25	70	C24	NONE	7	
7-26	70	C24	NONE	7	
8-27	70	C24	NONE	12	
7-29	70	C24	NONE	42	
8-28	70	C24	NONE	15	
10-29	70	C24	NONE	47	
11-29	70	C24	NONE	24	
11-30	70	C24	NONE	24	
12-30	70	C24	NONE	47	
15-30	70	C24	NONE	40	
14-31	70	C24	NONE	14	
14-32	70	C24	NONE	12	
15-33	70	C24	NONE	7	
16-34	70	C24	NONE	5	
15-36	145	C24	NONE	80	
20-34	70	C24	NONE	16	
19-36	70	C24	NONE	7	

FASTENERS - SPLICES EXCL					
JOINT NO	PLATE TYPE	WIDTH mm	LENGTH mm	CSI %	
1	MiTopW	84	150	52	
2	MiTopW	108	150	57	
3	MiTopW	60	100	48	
6	MiTopW	60	100	48	
7	MiTopW	120	250	98	
8	MiTopW	84	150	61	
9	MiTopW	84	150	34	
10	MiTopW	60	100	46	
11	MiTopW	120	150	55	
12	MiTopW	60	100	46	
13	MiTopW	84	150	34	
14	MiTopW	84	150	61	
15	MiTopW	120	250	97	
16	MiTopW	60	100	48	
17	MiTopW	60	100	48	
19	MiTopW	108	150	57	
20	MiTopW	84	150	52	
21	MiTopW	84	150	44	
22	MiTopW	120	200	77	
23	MiTopW	108	150	58	
24	MiTopW	60	100	60	
25	MiTopW	60	100	57	
26	MiTopW	108	150	55	
27	MiTopW	168	250	58	
28	MiTopW	168	250	59	
29	MiTopW	108	150	55	
30	MiTopW	60	100	57	
31	MiTopW	60	100	46	
32	MiTopW	60	100	57	
33	MiTopW	60	100	46	
34	MiTopW	108	150	58	
36	MiTopW	120	200	83	
37	MiTopW	84	150	44	

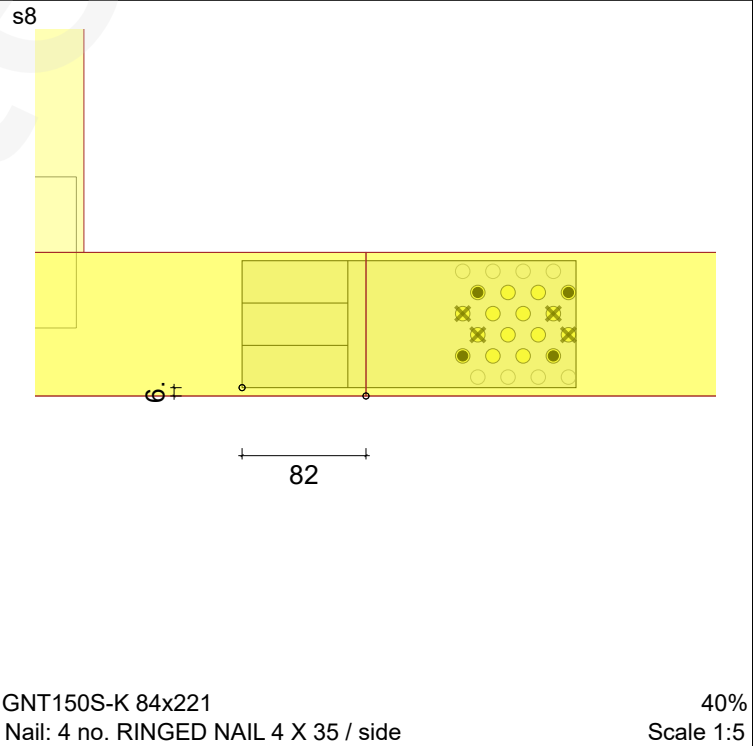
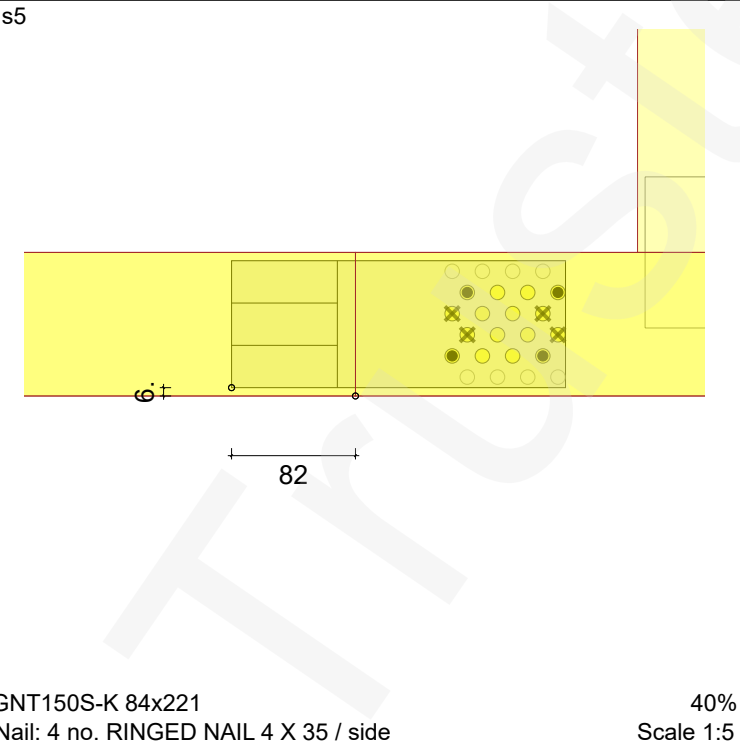
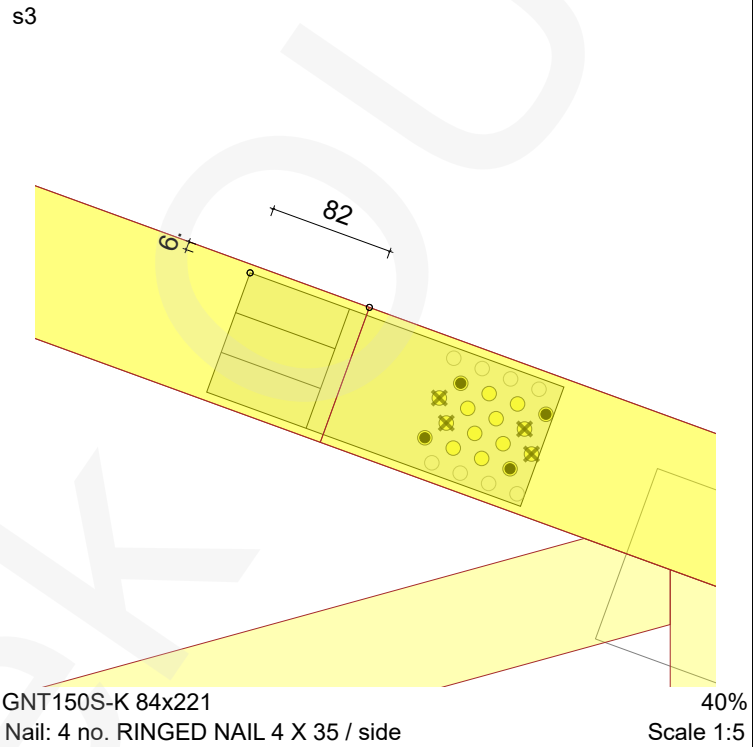
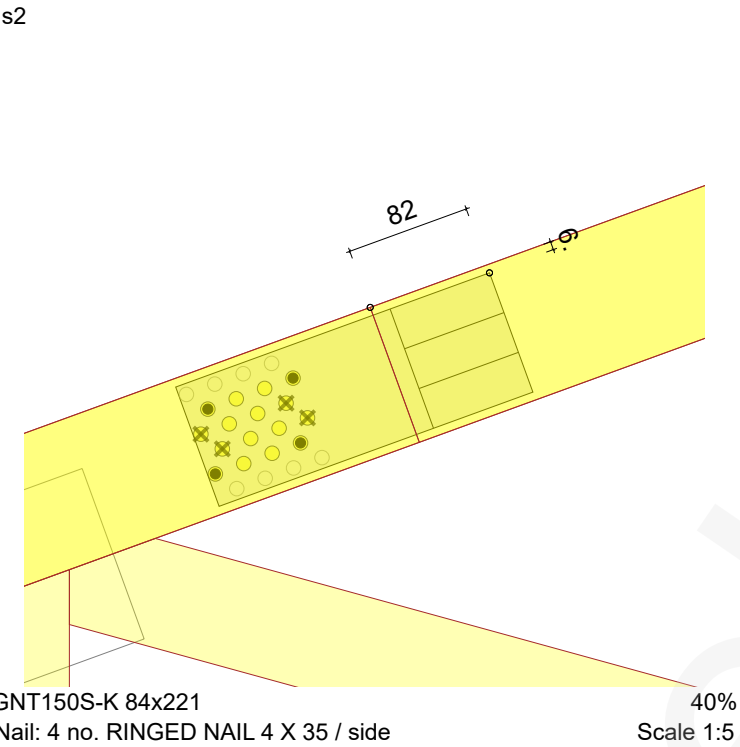
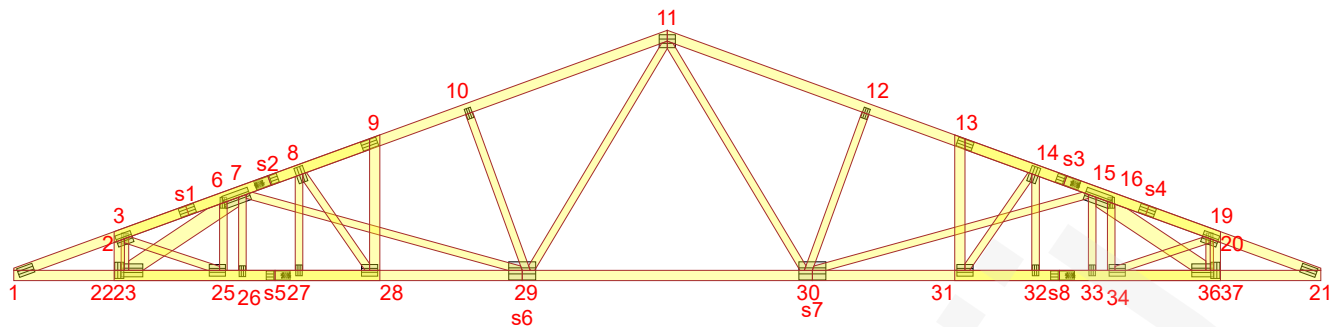
FASTENER LOCATION TOLERANCE: 8 mm

FASTENERS - SPLICES				
JOINT NO	PLATE TYPE	WIDTH mm	LENGTH mm	CSI %
s1	MiTopW	84	150	19
s2	GNT150S-K	84	221	40
s3	GNT150S-K	84	221	40
s4	MiTopW	84	150	19
s5	GNT150S-K	84	221	40
s8	GNT150S-K	84	221	40

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				Customer:		Project no:		
				Project name:		Mark:		
				Project address:		Revision:		
				Page name:		Page no:		
Designer	S.K					2/2		
Supervisor						Scale:		
Main engineer						1:75		
Cert. no						Date:		
							Page no:	
							17/04/2025	

17/04/2025 - 12:03
2025.1c (f09b50f)



FASTENER LOCATION TOLERANCE: 8 mm

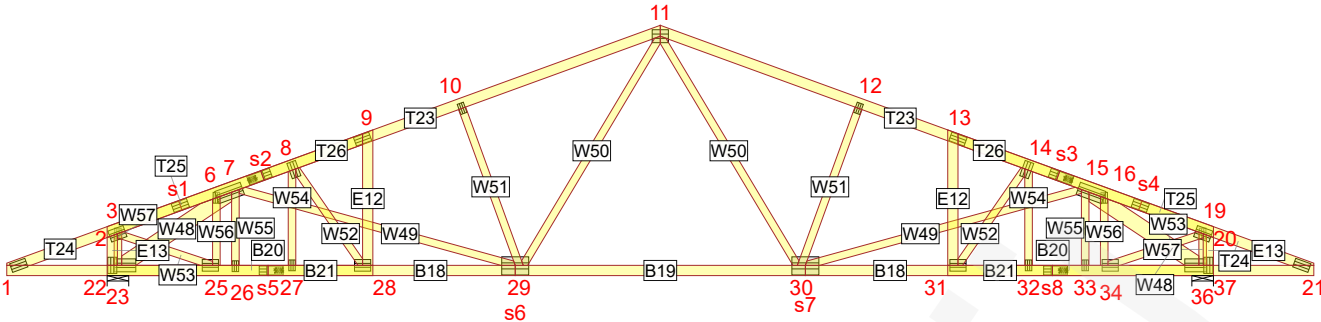


Designer	S.K		
Supervisor			
Main engineer			
Cert. no			

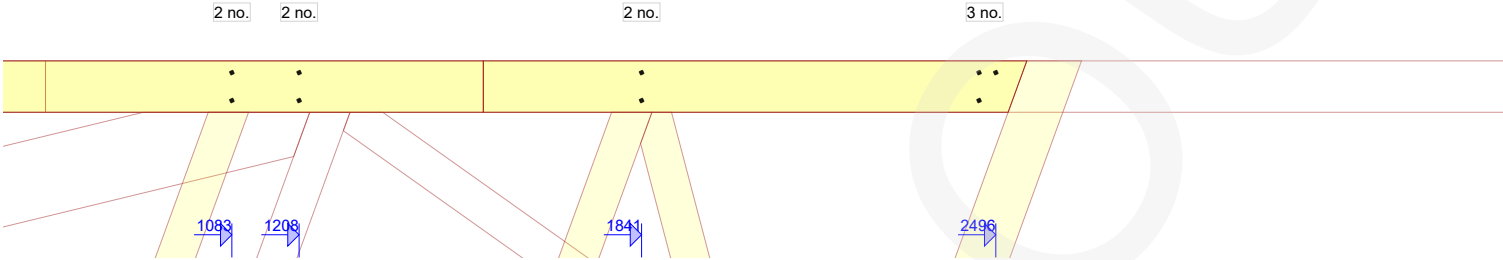
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Customer:	Project no:
Project name:	096921TTC_Paneel
Project address:	Mark:
Page name:	T3
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	1:70
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	17/04/2025
	Page no:

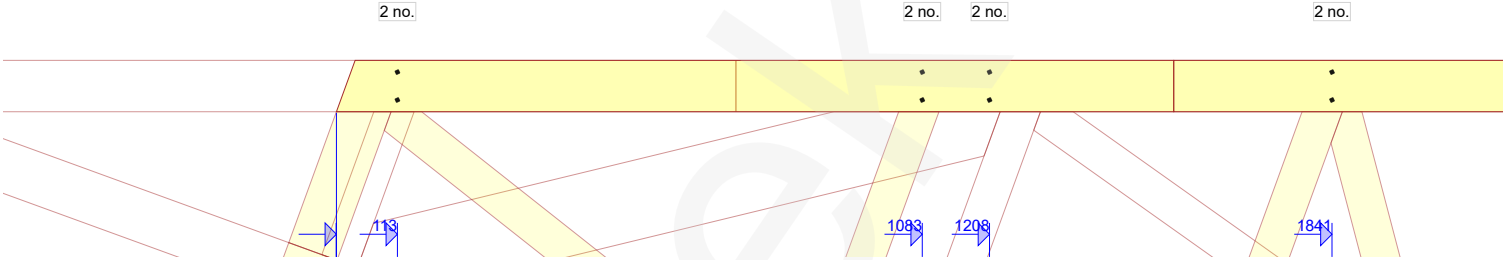
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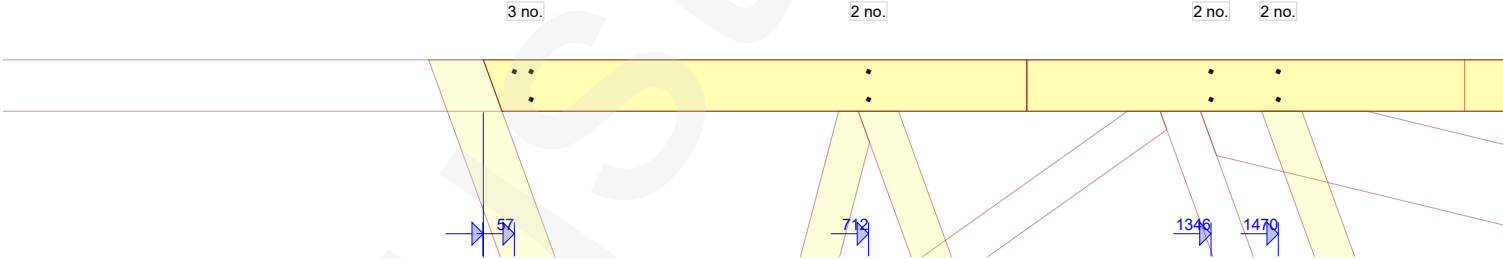
T26 Smooth nail 3.1 x 90 45 x 95 C24 - 1005 mm Member layer: -1



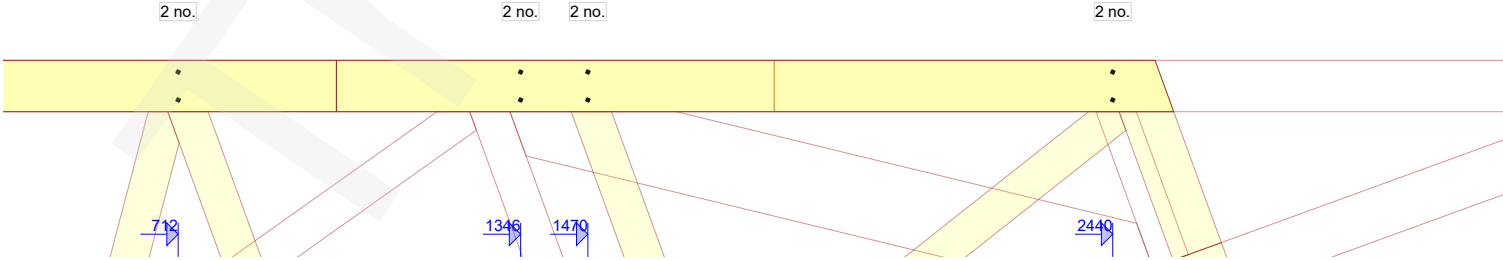
T25 Smooth nail 3.1 x 90 45 x 95 C24 - 1548 mm Member layer: -1



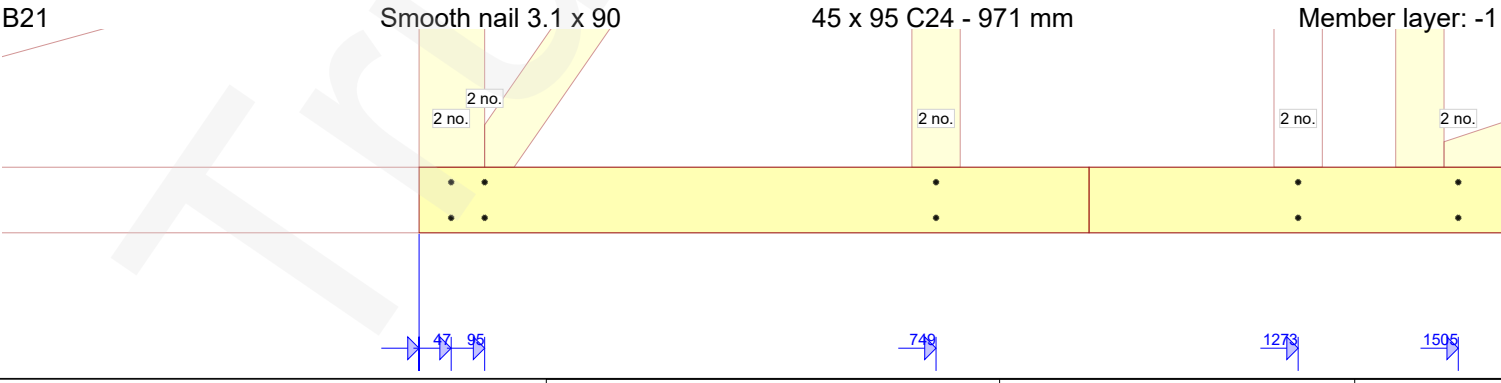
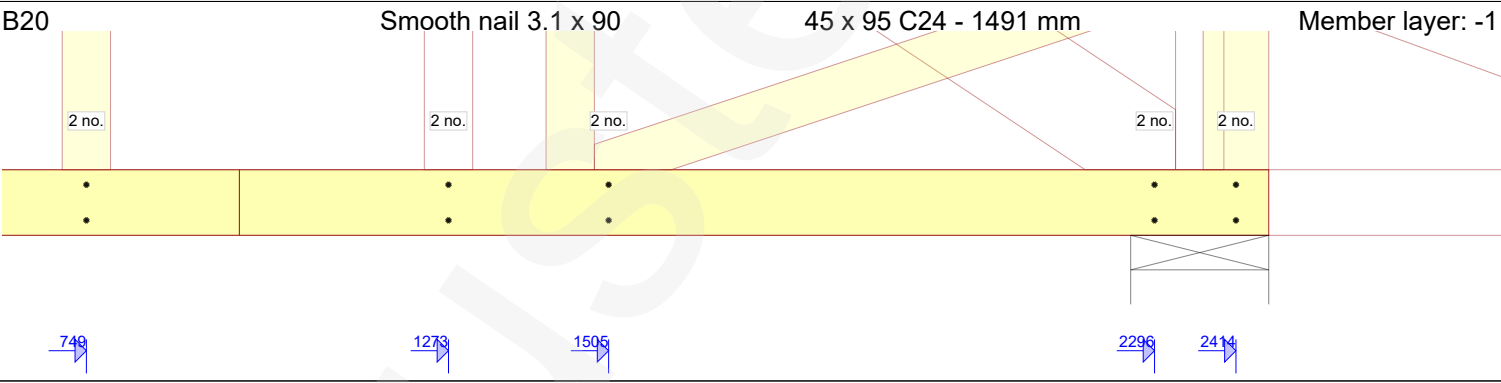
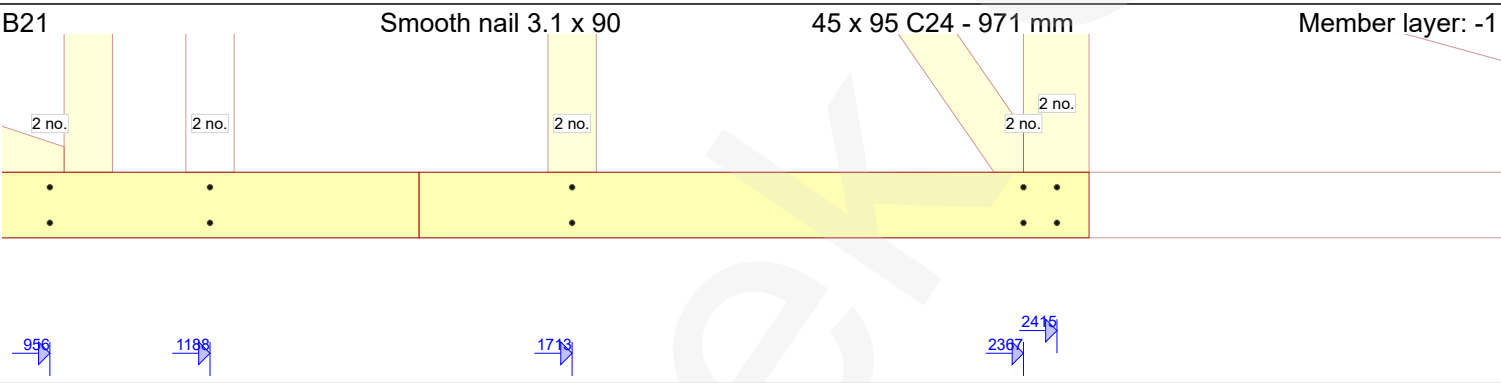
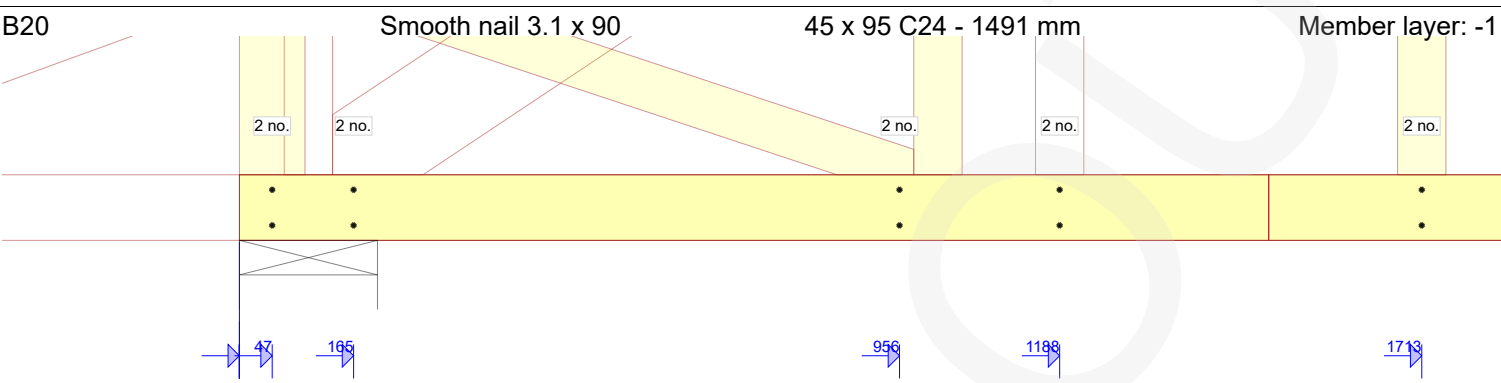
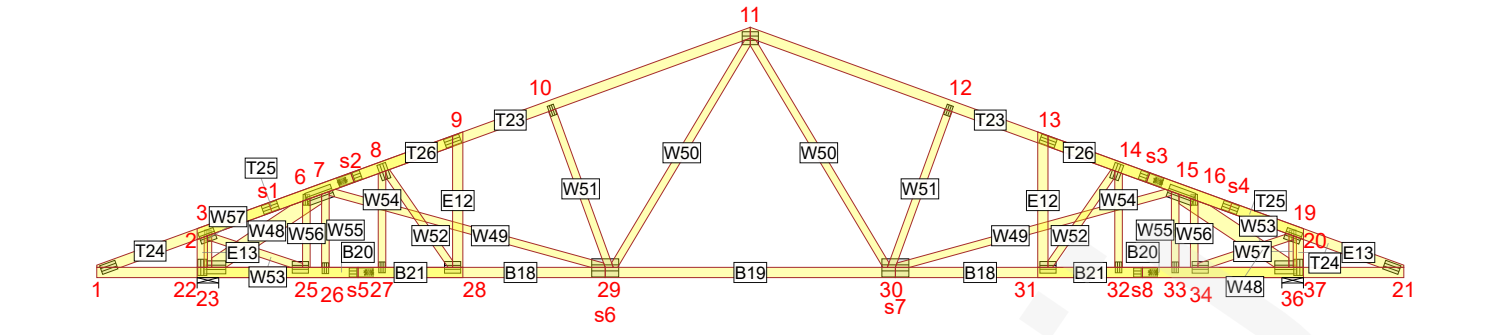
T26 Smooth nail 3.1 x 90 45 x 95 C24 - 1005 mm Member layer: -1



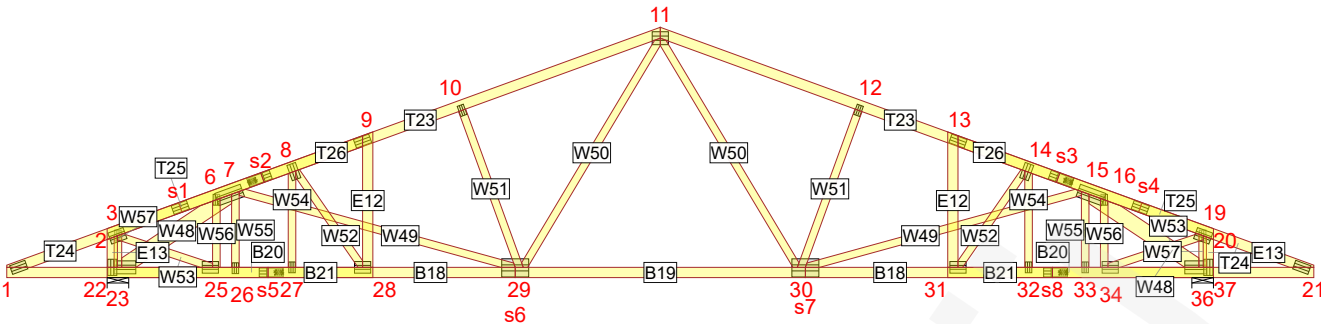
T25 Smooth nail 3.1 x 90 45 x 95 C24 - 1548 mm Member layer: -1



 17/04/2025 - 12:03 2025.1c (f09b50f)	Customer:	Project no:
	Project name:	096921TTC_Paneel
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	Designer S.K	Page no:
Supervisor	Scale:	
Main engineer	Date:	Page no:
Cert. no	17/04/2025	



		Customer:		Project no:	
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Designer		S.K		Scale:	
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Main engineer				Date:	
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2025.1c (f09b50f)					



E12

Smooth nail 3.1 x 90

45 x 95 C24 - 1255 mm

Member layer: -1

E12

Smooth nail 3.1 x 90

45 x 95 C24 - 1255 mm

Member layer: -1

W56

Smooth nail 3.1 x 90

45 x 70 C24 - 639 mm

Member layer: -1

W54

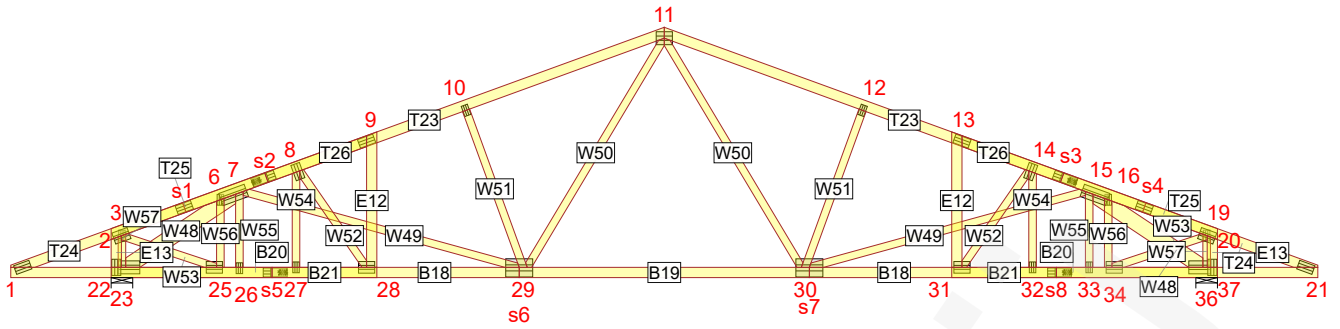
Smooth nail 3.1 x 90

45 x 70 C24 - 894 mm

Member layer: -1

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Designer	S.K			1:70	
Supervisor				Page no:	
Main engineer				17/04/2025	
Cert. no					

T3

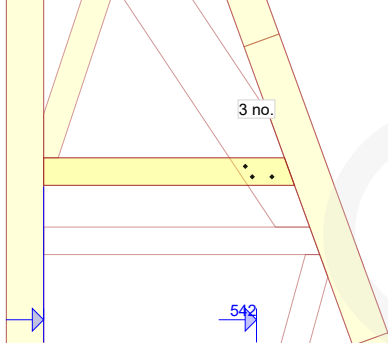


W56

Smooth nail 3.1 x 90

45 x 70 C24 - 639 mm

Member layer: -1

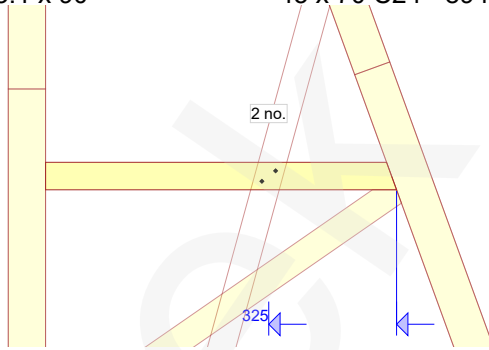


W54

Smooth nail 3.1 x 90

45 x 70 C24 - 894 mm

Member layer: -1

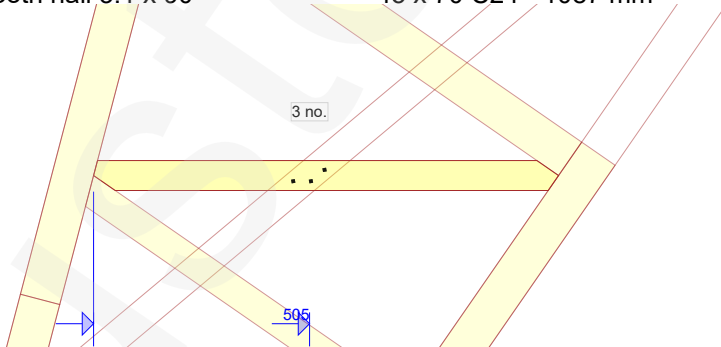


W52

Smooth nail 3.1 x 90

45 x 70 C24 - 1087 mm

Member layer: -1

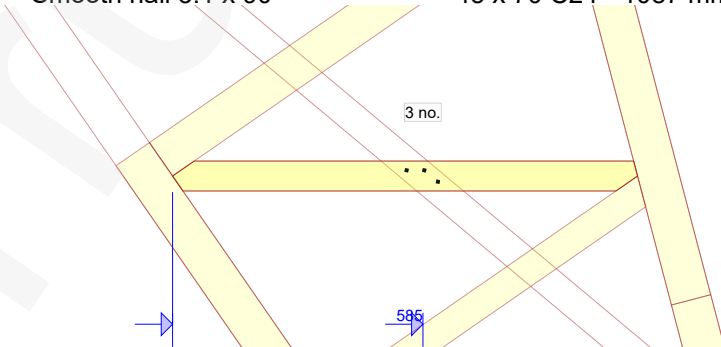


W52

Smooth nail 3.1 x 90

45 x 70 C24 - 1087 mm

Member layer: -1



Designer	S.K
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Supervisor

Main engineer

Cert. no	
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Customer:

Project name:

Project address:

Page name:

Project no:

096921TTC_Paneel

Mark:

Revision:

Page no:

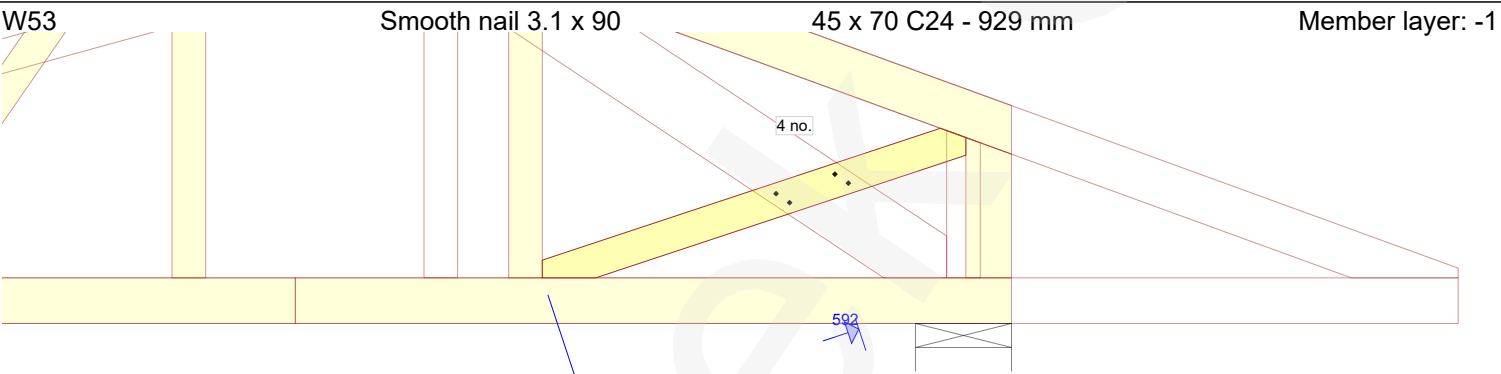
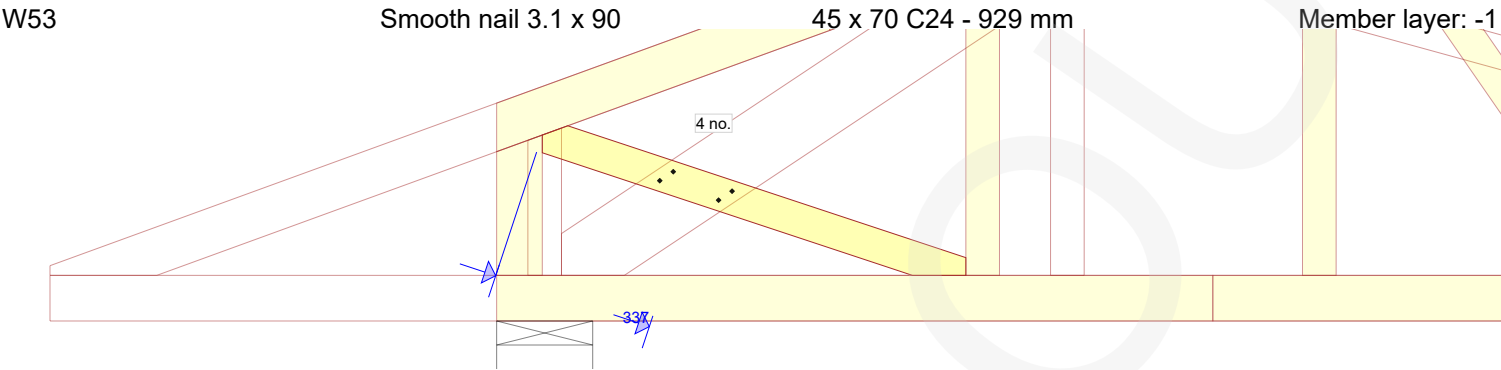
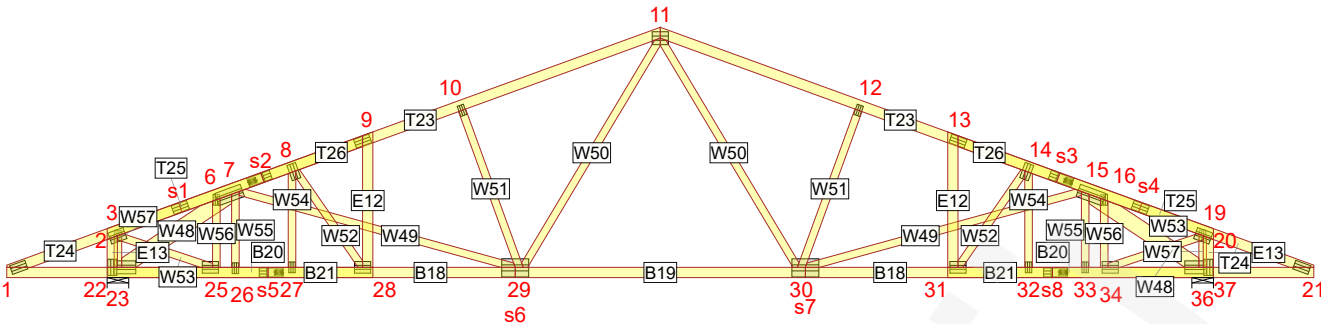
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Date:	P
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Page no:

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2025.1c (f09b50f)



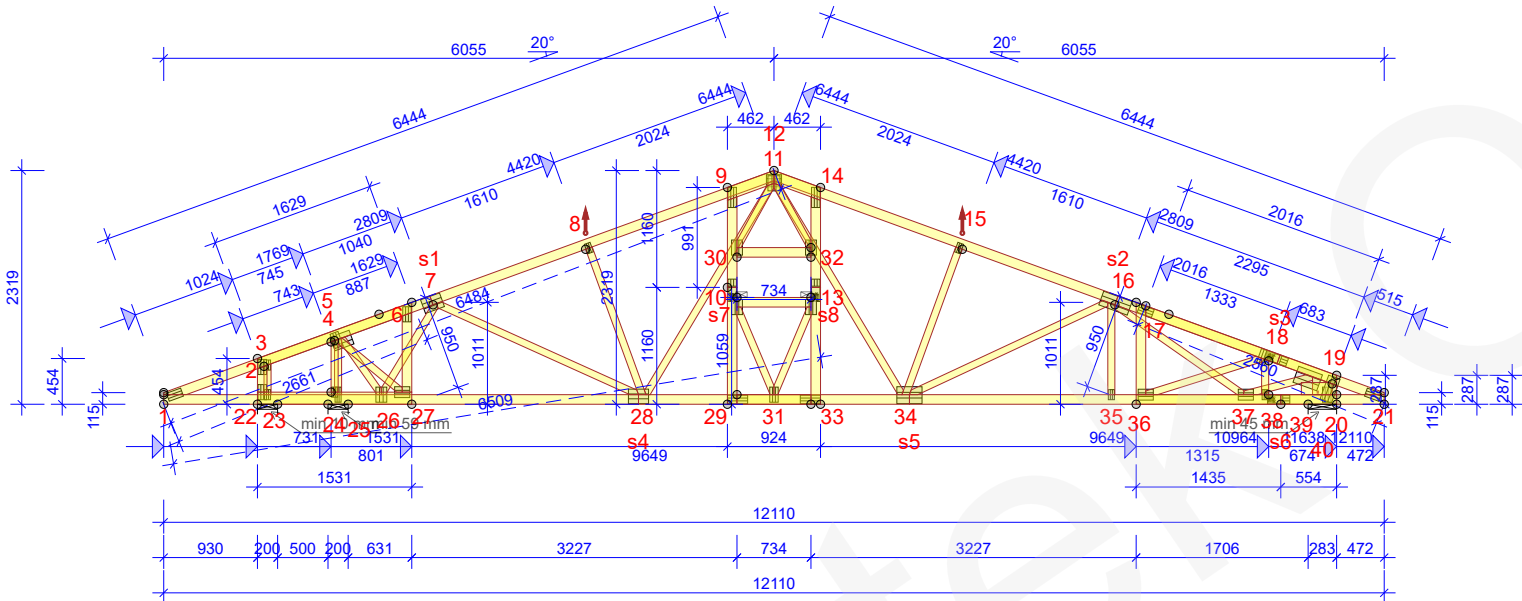
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Designer	S.K			5/5	
Supervisor				Scale:	
Main engineer				1:70	
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				17/04/2025	

T4 - 1 no.

Part:1 - 1-ply
Part:2 - 1-ply
Part:3 - 1-ply
Part:4 - 1-ply
Part:5 - 1-ply
Part:6 - 1-ply

BRACINGS ACCORDING TO TIMBER TABLE AND STABILITY OF THE TRUSS SYSTEM SHALL BE DESIGNED SEPARATELY

☒ INDICATES BRACING



GENERAL DIRECTIONS

THE STRUCTURE HAS BEEN CALCULATED USING
COMPUTER PROGRAM "MITEK PAMIR",
OU Trustek_EE1 - LICENSE: 15421
DESIGN CODE: EN 1995-1-1:2004 + A2:2014 + EE NA:2007 +
A1:2008 + EE NA:2009
FULL DESIGN RESULTS AS PER CALC. PRINTOUT

GENERAL SETTINGS

TIMBER THICKNESS (mm): 45
TRUSS WEIGHT (kg/ply): 139
TRUSS CENTRES (mm): 930
LOAD SHARING FACTOR: 1.1
SERVICE CLASS: 2 = 65% <= RH < 85%
THE TRUSS PLANT IS CONTROLLED BY :
BM TRADA Latvia Ltd
PRODUCT CERTIFICATE: 2358 - CPR - 2358-CPR-083
BRACING: SEE TIMBER TABLE

LOADS (N/m²)

SNOW ZONE: 1.5
SNOW LOAD (Sk): 1500
WIND LOAD (qp(z)): 587
LIVE LOAD ON BOTTOM CHORD: 500
DEAD LOAD ON ROOF: 550
DEAD LOAD ON CEILING: 450
DEAD LOAD ON CEILING EXPOSED: 300
SELF-WEIGHT ADDED

SUPPORT REACTIONS (N) (ULTIMATE)

JOINT NO	DIR.	LC P/L		LC M		LC S		LC I		S-W
		MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	
20	VER.	7376	17202	17619	0	0	0	45		
22	HOR.	0	0	-1389	0	-				
22	VER.	9	396	465	0	0	10			
25	VER.	9054	21373	21928	0	0	59			

MAX DEFLECTION (mm) (SERVICEABILITY)

JOINT NO	VER.	HOR.	LC NO.
34-35	12.6	2.1	1002:6 (WFIN (FREQUENT))
12-15	11.7	0.7	1002:6 (WFIN (FREQUENT))
s6-20	-0.1	3.5	1002:6 (WFIN (FREQUENT))
FOR DEFLECTIONS AT OTHER POINTS - SEE CALC. PRINTOUT			

TIMBER

JOINT FR.TO	DEPTH mm	GRADE	THICKNESS 45 mm	BRACING mm/no.	CSI %
2-4	95	C24		350	21
1-12	95	C24		350	71
12-21	95	C24		350	84
17-20	95	C24		350	23
8-11	100	C24		350	6
10-13	95	C24		734	28
11-14	120	C24		350	8
1-21	95	C24		350	8
22-27	120	C24		SHEETING	35
28-36	95	C24		SHEETING	31
20-38	120	C24		SHEETING	7
29-33	95	C24		SHEETING	3
30-32	95	C24		SHEETING	3
2-22	95	C24		NONE	15
6-27	95	C24		NONE	6
9-29	95	C24		NONE	20
14-33	95	C24		NONE	19
17-36	95	C24		NONE	13
3-23	70	C24		NONE	5
4-24	70	C24		NONE	17
5-25	70	C24		NONE	37
5-26	70	C24		NONE	31
4-27	70	C24		NONE	19
7-28	70	C24		NONE	74
7-29	70	C24		NONE	36
8-28	70	C24		NONE	41
12-28	70	C24		NONE	13
11-30	70	C24		NONE	4
10-31	70	C24		NONE	2
11-32	70	C24		NONE	8
13-31	70	C24		NONE	2
12-34	70	C24		NONE	33
15-34	70	C24		NONE	40
16-34	70	C24		NONE	88
16-35	70	C24		NONE	11
16-37	70	C24		NONE	89
18-36	70	C24		NONE	5
19-37	70	C24		NONE	57
18-38	70	C24		NONE	8
19-40	195	C24		NONE	54

FASTENERS - SPLICES EXCL

JOINT NO	PLATE TYPE	WIDTH mm	LENGTH mm	CSI %
1	MTTopW	84	150	52
2	MTTopW	84	150	26
3	MTTopW	84	100	48
4	MTTopW	84	150	70
5	MTTopW	144	200	66
6	MTTopW	84	150	34
7	MTTopW	144	200	89
8	MTTopW	84	100	46
9	MTTopW	84	200	18
10	MTTopW	108	150	47
11	MTTopW	120	150	45
12	MTTopW	120	150	100
13	MTTopW	108	150	47
14	MTTopW	84	200	18
15	MTTopW	60	100	46
16	MTTopW	84	150	55
17	MTTopW	84	150	34
18	MTTopW	84	150	78
19	MTTopW	120	250	50
20	MTTopW	84	150	52
21	MTTopW	84	150	53
22	MTTopW	60	100	46
23	MTTopW	60	100	46
24	MTTopW	60	100	46
25	MTTopW	60	100	46
26	MTTopW	108	150	85
27	MTTopW	108	150	60
28	MTTopW	144	200	89
29	MTTopW	84	200	18
30	MTTopW	108	150	45
31	MTTopW	84	150	48
32	MTTopW	108	150	45
33	MTTopW	84	200	18
34	MTTopW	168	250	67
35	MTTopW	60	100	46
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37	MTTopW	108	150	95
38	MTTopW	60	100	63
40	MTTopW	84	150	74

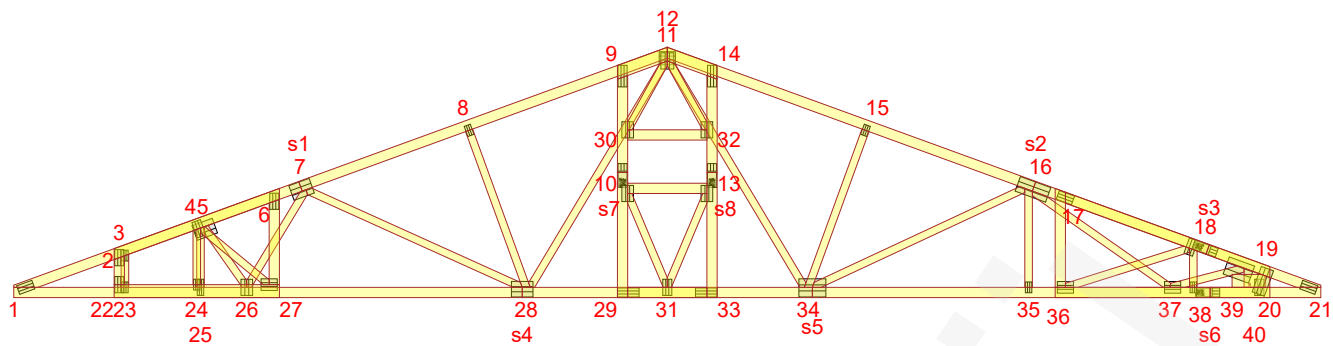
FASTENER LOCATION TOLERANCE: 8 mm

FASTENERS - SPLICES

JOINT NO	PLATE TYPE	WIDTH mm	LENGTH mm	CSI %
s3	GNT150S-K	84	221	40
s6	GNT150S-K	84	221	40
s7	GNT150S-K	84	221	40
s8	GNT150S-K	84	221	40

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	Designer	S.K			Customer:		Project no:	096921TTC_Paneel
	Supervisor				Project name:		Mark:	T4
	Main engineer				Project address:		Revision:	
	Cert. no				Page name:		Page no:	1/1
07/05/2025 - 12:10 2025.1c (f09b50f)							Scale:	1:75
							Date:	07/05/2025
							Page no:	



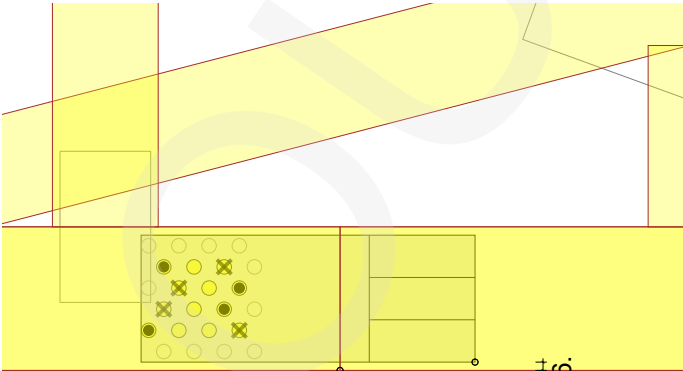
s3



GNT150S-K 84x221
Nail: 4 no. RINGED NAIL 4 X 35 / side

40%
Scale 1:5

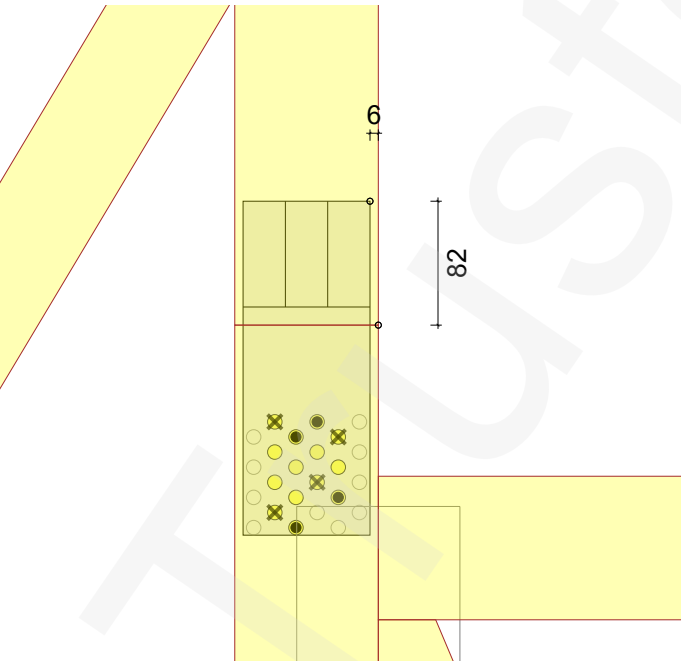
s6



GNT150S-K 84x221
Nail: 4 no. RINGED NAIL 4 X 35 / side

40%
Scale 1:5

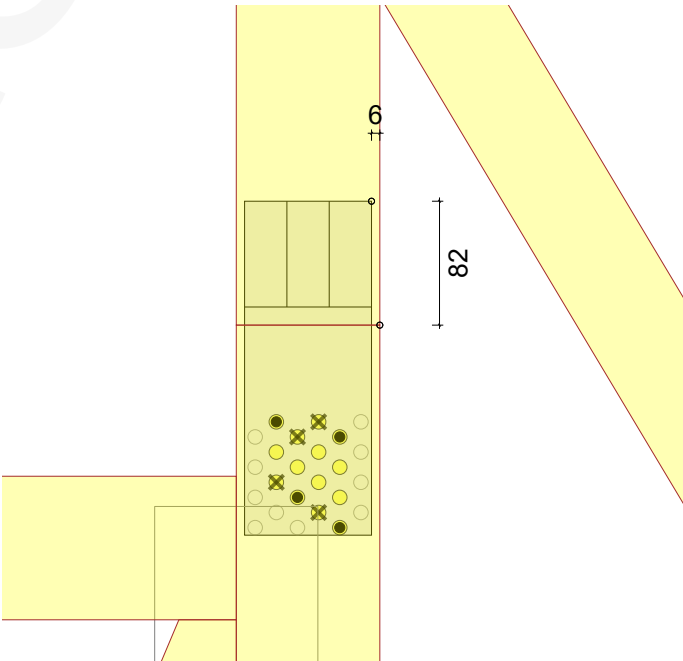
s7



GNT150S-K 84x221
Nail: 4 no. RINGED NAIL 4 X 35 / side

40%
Scale 1:5

s8



GNT150S-K 84x221
Nail: 4 no. RINGED NAIL 4 X 35 / side

40%
Scale 1:5

FASTENER LOCATION TOLERANCE: 8 mm

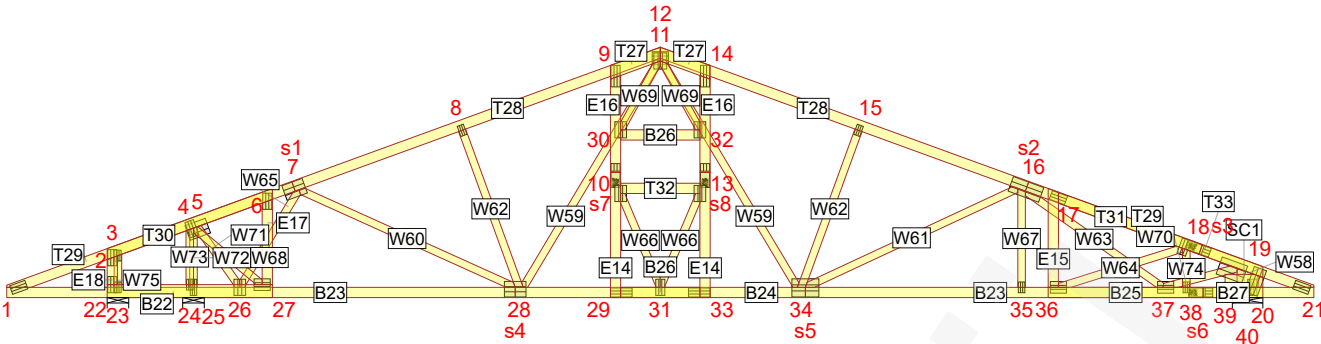


Designer	S.K		
Supervisor			
Main engineer			
Cert. no			

07/05/2025 - 12:10
2025.1c (f09b50f)

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	Page no:

T4



E15

Smooth nail 3.1 x 9045 x 95 C24 - 916 mm

Member layer: -1

E17

Smooth nail 3.1 x 9045 x 95 C24 - 790 mm

Member layer: -1

B22

Smooth nail 3.1 x 9045 x 120 C24 - 1531 mm

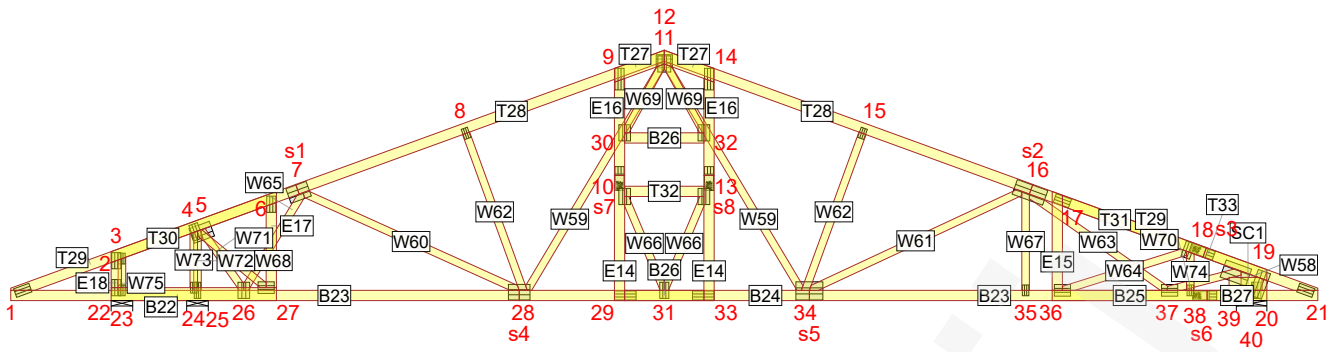
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T30

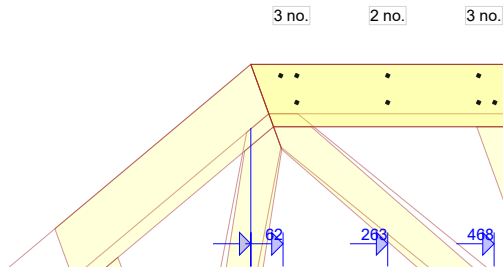
Smooth nail 3.1 x 9045 x 95 C24 - 1664 mm

Member layer: -1

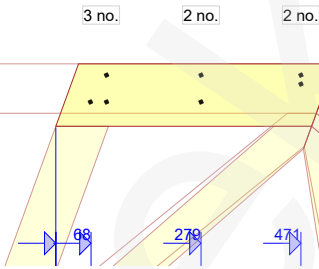
T4



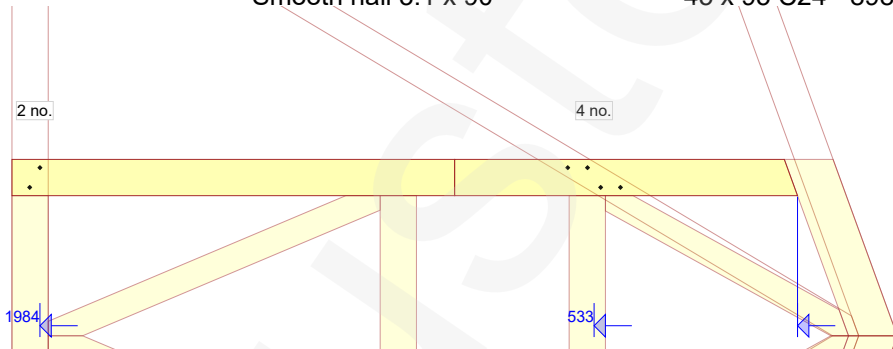
T27



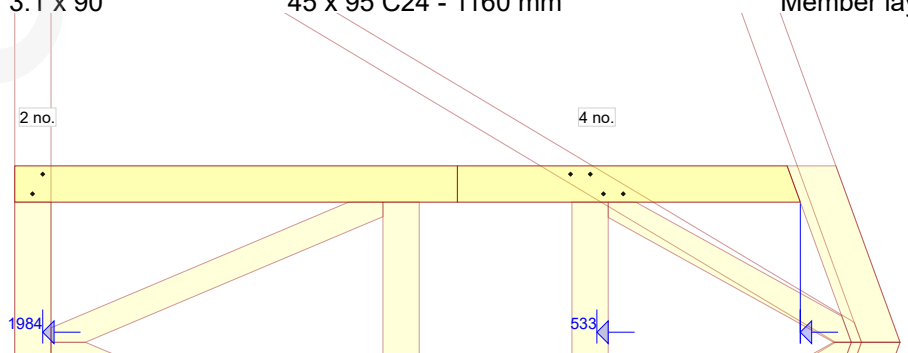
T27



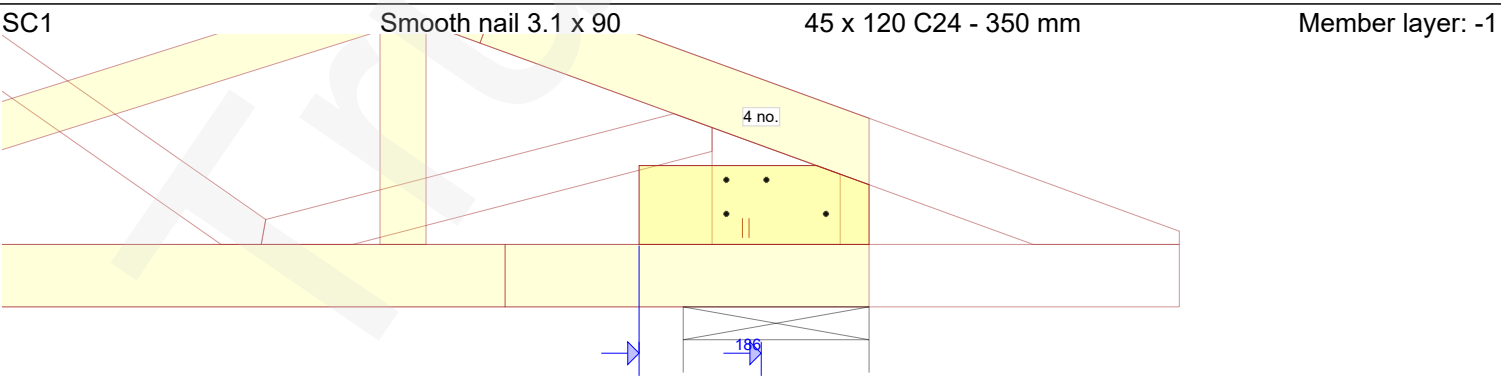
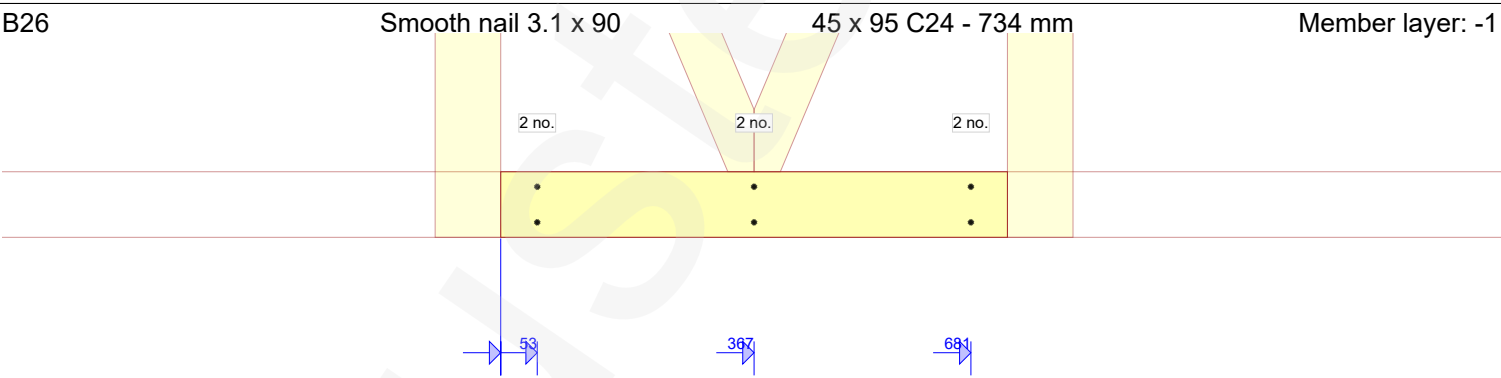
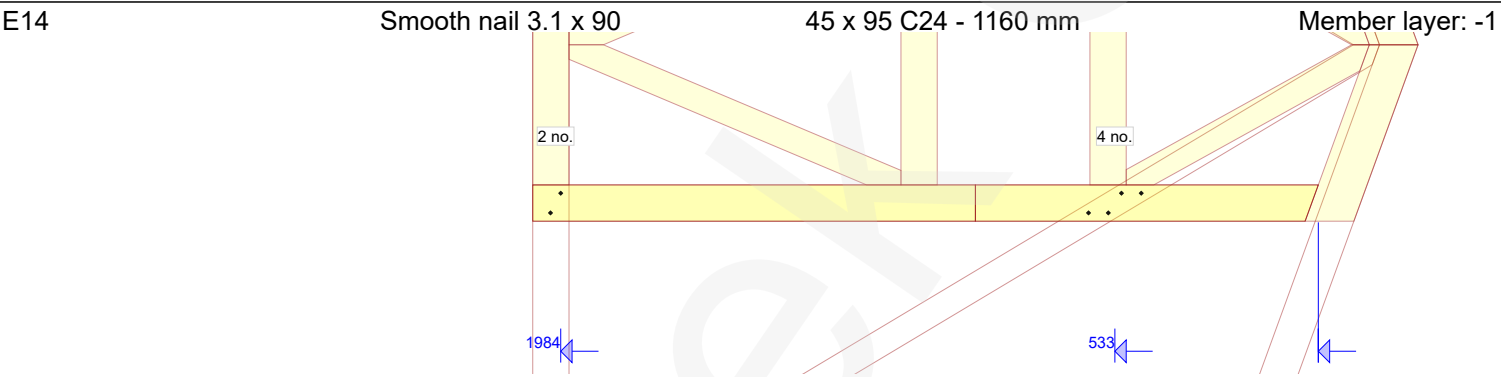
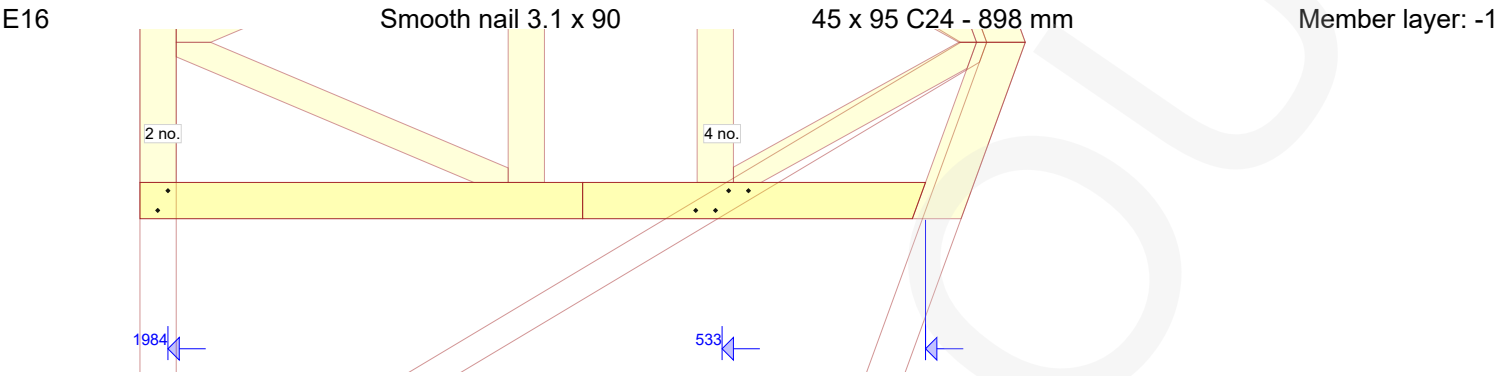
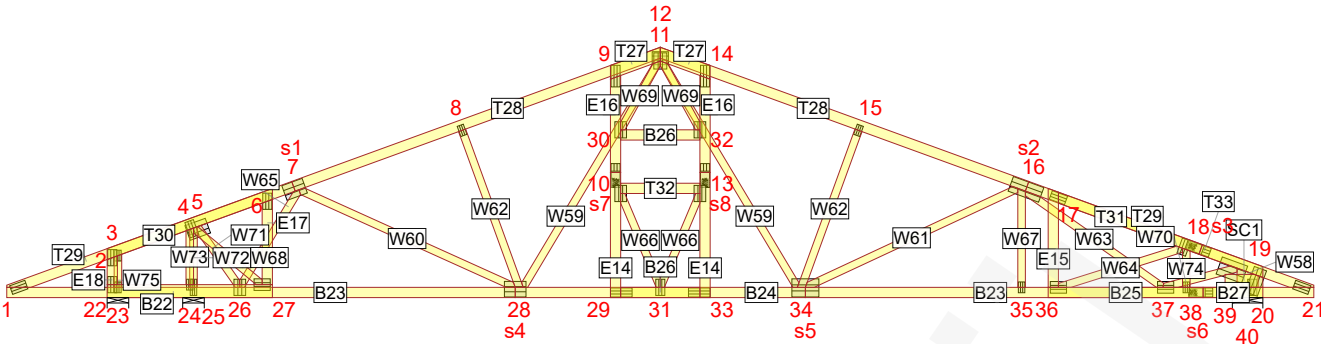
E16



E14

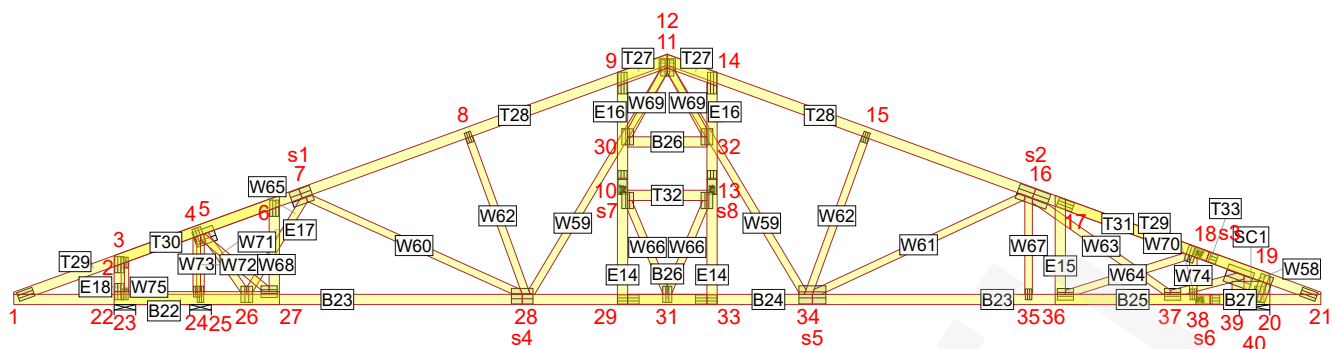


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07/05/2025 - 12:10 2025.1c (f09b50f)				Customer:		Project no:	
				Project name:		096921TTC_Paneel	
				Project address:		Mark:	
				Page name:		T4	
				Date:		Revision:	
Designer				Supervisor		Page no:	
S.K				Main engineer		4/6	
Cert. no				Scale:		1:70	
				Date:		Page no:	
						07/05/2025	

T4

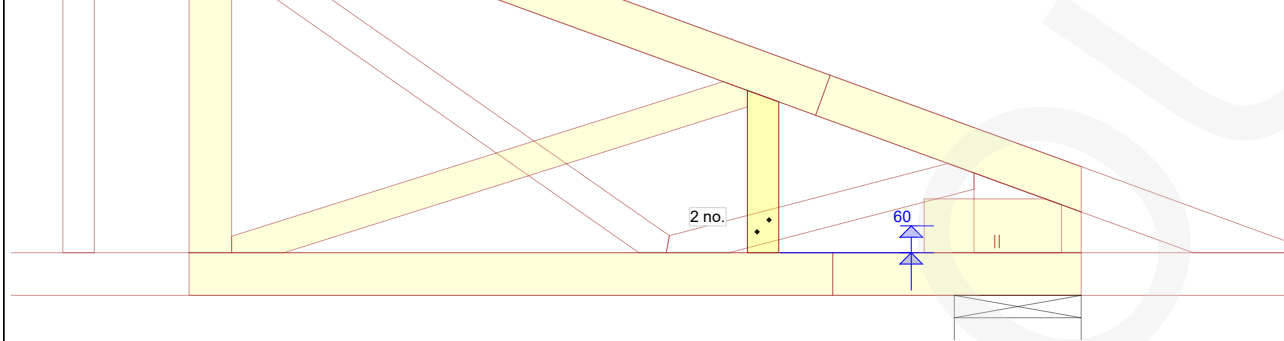


W74

Smooth nail 3.1 x 90

45 x 70 C24 - 362 mm

Member layer: -1

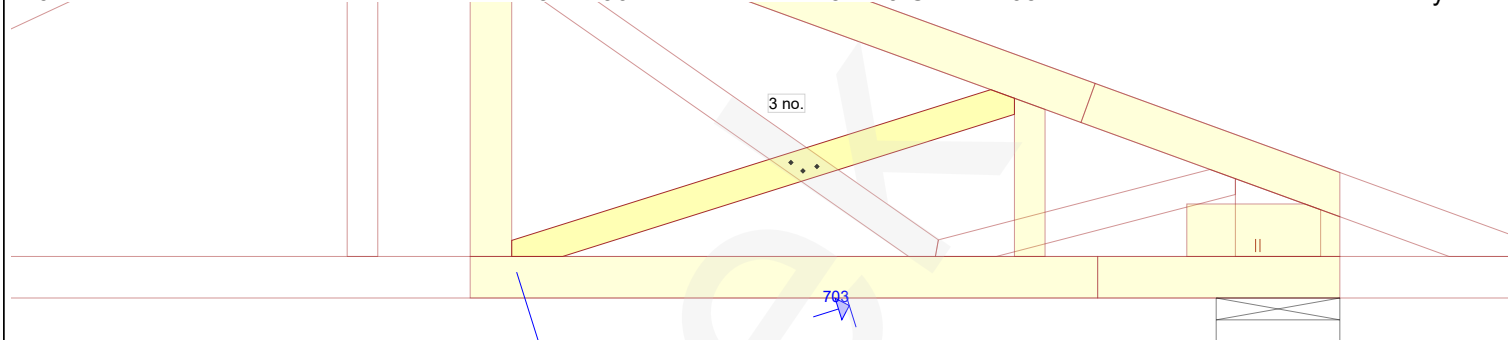


W64

Smooth nail 3.1 x 90

45 x 70 C24 - 1205 mm

Member layer: -1

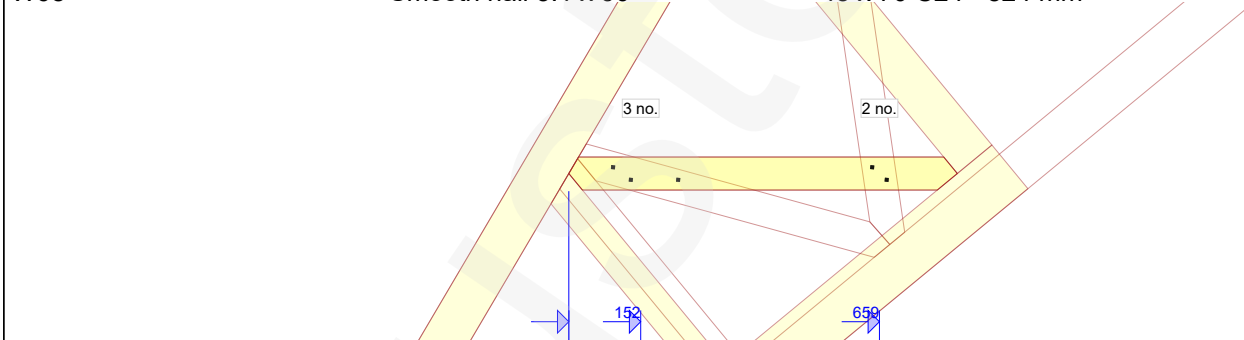


W68

Smooth nail 3.1 x 90

45 x 70 C24 - 824 mm

Member layer: -1

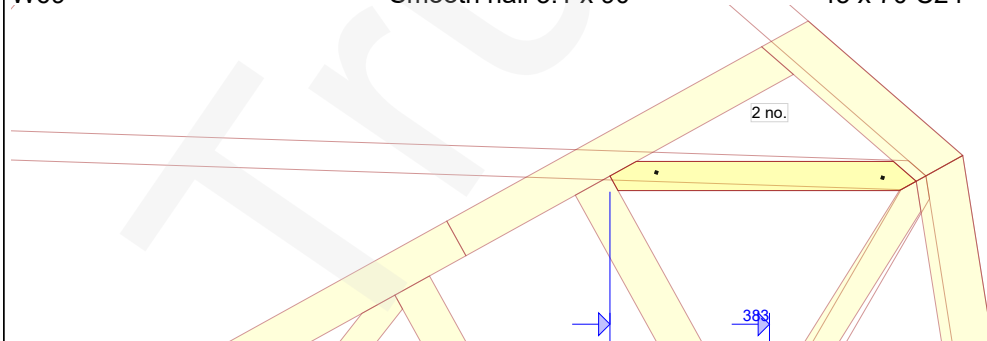


W69

Smooth nail 3.1 x 90

45 x 70 C24 - 735 mm

Member layer: -1



Designer	S.K
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Supervisor

Main engineer

Cert. no.

07/05/2025 - 12:10
2025.1c (f09b50f)

Customer:	
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Project name:

Project address:

Page name:

Project no:

096921TTC Paneel

Mark:	
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Revision:

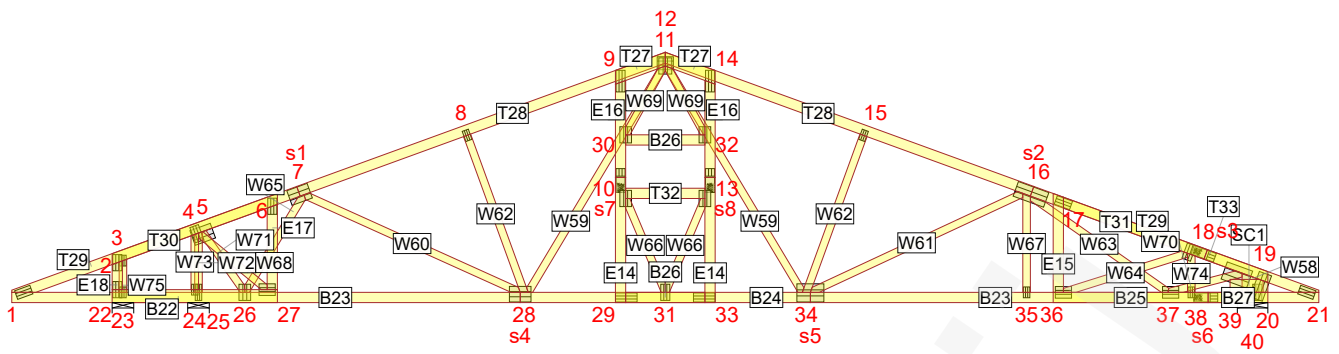
Page no:

Scale:

Date:	Page no:
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07/05/2025

T4

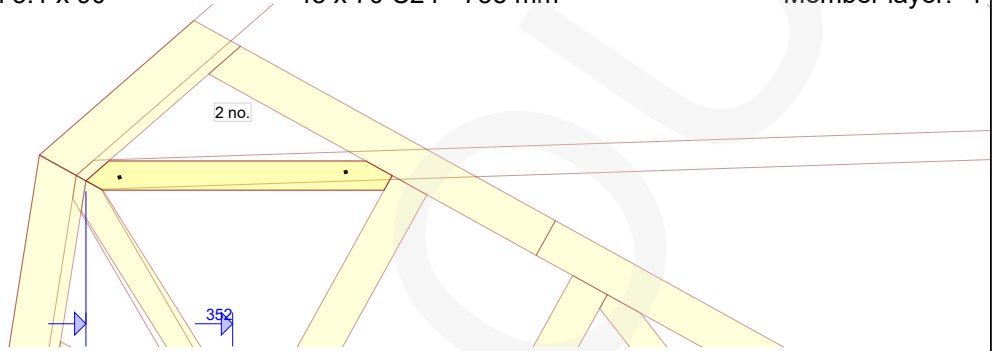


W69

Smooth nail 3.1 x 90

45 x 70 C24 - 735 mm

Member layer: -1



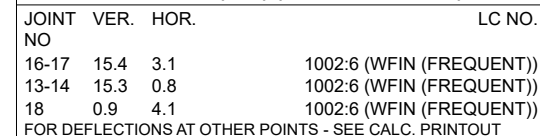
Designer	S.K
Supervisor	
Main engineer	
Cert. no	

07/05/2025 - 12:10
2025.1c (f09b50f)

Customer:	Project no: 096921TTC_Paneel
Project name:	Mark: T4
Project address:	Revision:
Page name:	Page no: 6/6
	Scale: 1:70
	Date: 07/05/2025
	Page no:

BRACINGS ACCORDING TO TIMBER TABLE AND STABILITY OF THE TRUSS SYSTEM SHALL BE DESIGNED SEPARATELY
LONGITUDINAL BRACES MUST BE INSTALLED PRIOR TO STANDING ON HORIZONTAL TOP CHORDS

☒ INDICATES BRACING



				Customer:		Project no: 096921TTC_Panee	
				Project name:		Mark: V1	
				Project address:		Revision:	
				Page name:		Page no: 1/1	
Designer						Scale: 1:75	
Supervisor						Date:	
Main engineer						Page no:	
Cert. no.						15/04/2025	

BRACINGS ACCORDING TO TIMBER TABLE AND STABILITY OF THE TRUSS SYSTEM SHALL BE DESIGNED SEPARATELY
LONGITUDINAL BRACES MUST BE INSTALLED PRIOR TO STANDING ON HORIZONTAL TOP CHORDS

☒ INDICATES BRACING



THE STRUCTURE HAS BEEN CALCULATED USING
COMPUTER PROGRAM "MITEK PAMIR",
OU Trustek_EE1 - LICENSE: 15421
DESIGN CODE: EN 1995-1-1:2004 + A2:2014 + EE NA:2007 +
A1:2008 + EE NA:2009
FULL DESIGN RESULTS AS PER CALC. PRINTOUT

GENERAL SETTINGS

TIMBER THICKNESS (mm):	45
TRUSS WEIGHT (kg/ply):	85
TRUSS CENTRES (mm):	900
LOAD SHARING FACTOR:	1.1
SERVICE CLASS:	2 = 65% <= RH < 85%
THE TRUSS PLANT IS CONTROLLED BY :	
BM TRADA Latvia Ltd	
PRODUCT CERTIFICATE: 2358 - CPR - 2358-CPR-083	
BRACING: SEE TIMBER TABLE	

LOADS (N/m²)

SNOW ZONE:	1.5
SNOW LOAD (Sk):	1500
WIND LOAD (qp(z)):	587
LIVE LOAD ON BOTTOM CHORD:	500
DEAD LOAD ON ROOF:	550
DEAD LOAD ON CEILING:	450
DEAD LOAD ON CEILING EXPOSED:	300
OTHER LOADS AS PER CALC. PRINT-OUT	
SELF-WEIGHT ADDED	

SUPPORT REACTIONS (N) (ULTIMATE)

JOINT NO	DIR.	LC P/L MAX	LC M MAX	LC S MAX	LC I MAX	LC I MIN	S-W mm
10	HOR.	0	0	-906	0	-	
10	VER.	6494	16338	15657	0	0	84
16	VER.	6494	16338	15707	0	0	84

MAX DEFLECTION (mm) (SERVICEABILITY)

JOINT NO	VER.	HOR.	LC NO.
11-12	13.9	0.7	1002:6 (WFIN (FREQUENT))
14-15	13.9	2.7	1002:6 (WFIN (FREQUENT))
16	0.7	3.5	1002:6 (WFIN (FREQUENT))

FOR DEFLECTIONS AT OTHER POINTS - SEE CALC. PRINTOUT

FASTENER LOCATION TOLERANCE: 8 mm[illegible]

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				Customer:		Project no:	
						096921TTC_Panee	
				Project name:		Mark:	
						V2	
				Project address:		Revision:	
				Page name:		Page no:	
						1/1	
Designer						Scale:	
						1:75	
Supervisor						Date:	
						15/04/2025	
Main engineer						Page no:	
7 Cert no							
f)							

BRACINGS ACCORDING TO TIMBER TABLE AND STABILITY OF THE TRUSS SYSTEM SHALL BE DESIGNED SEPARATELY
LONGITUDINAL BRACES MUST BE INSTALLED PRIOR TO STANDING ON HORIZONTAL TOP CHORDS
☒ INDICATES BRACING

GENERAL DIRECTIONS

THE STRUCTURE HAS BEEN CALCULATED USING
COMPUTER PROGRAM "MITEK PAMIR",
OU Trustek_EE1 - LICENSE: 15421
DESIGN CODE: EN 1995-1-1:2004 + A2:2014 + EE NA:2007 +
A1:2008 + EE NA:2009
FULL DESIGN RESULTS AS PER CALC. PRINTOUT

GENERAL SETTINGS

TIMBER THICKNESS (mm): 45
TRUSS WEIGHT (kg/ply): 134
TRUSS CENTRES (mm): 900
LOAD SHARING FACTOR: 1.1
SERVICE CLASS: 2 = 65% <= RH < 85%
THE TRUSS PLANT IS CONTROLLED BY :
BM TRADA Latvia Ltd
PRODUCT CERTIFICATE: 2358 - CPR - 2358-CPR-083
BRACING: SEE TIMBER TABLE

LOADS (N/m²)

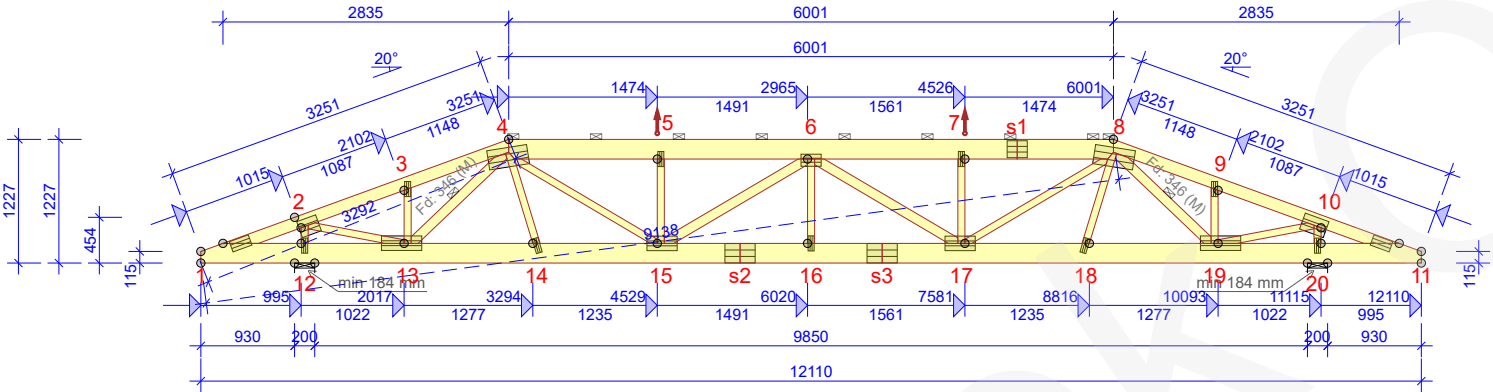
SNOW ZONE: 1.5
SNOW LOAD (Sk): 1500
WIND LOAD (qp(z)): 587
LIVE LOAD ON BOTTOM CHORD: 500
DEAD LOAD ON ROOF: 550
DEAD LOAD ON CEILING: 450
DEAD LOAD ON CEILING EXPOSED: 300
OTHER LOADS AS PER CALC. PRINT-OUT
SELF-WEIGHT ADDED

SUPPORT REACTIONS (N) (ULTIMATE)

JOINT NO	DIR.	LC P/L MAX	LC M MAX	LC S MAX	LC I MAX	LC I MIN	S-W mm
12	HOR.	0	0	-715	0	-	
12	VER.	11111	27774	27262	0	0	184
20	VER.	11111	27774	27503	0	0	184

MAX DEFLECTION (mm) (SERVICEABILITY)

JOINT NO	VER.	HOR.	LC NO.
s2-16	20.2	2	1002:6 (WFIN (FREQUENT))
s3-16	20.2	2	1002:6 (WFIN (FREQUENT))
4	11.8	4.1	1002:6 (WFIN (FREQUENT))
FOR DEFLECTIONS AT OTHER POINTS - SEE CALC. PRINTOUT			



FASTENER LOCATION TOLERANCE: 8 mm

TIMBER THICKNESS 45 mm					FASTENERS - SPLICES EXCL				
JOINT FR-TO	DEPTH mm	GRADE	BRACING mm/no.	CSI %	JOINT NO	PLATE TYPE	WIDTH mm	LENGTH mm	CSI %
1-4	120	C24	350	99	1	MiTopW	108	200	37
8-11	120	C24	350	94	2	MiTopW	168	200	92
4-8	195	C24	822	100	3	MiTopW	60	150	28
1-11	195	C24	SHEETING	97	4	MiTopW	192	400	97
2-12	70	C24	NONE	43	5	MiTopW	60	150	36
2-13	70	C24	NONE	89	6	MiTopW	120	200	71
3-13	70	C24	NONE	8	7	MiTopW	60	150	36
4-13	95	C24	1	48	8	MiTopW	192	400	97
4-14	70	C24	NONE	37	9	MiTopW	60	150	28
4-15	70	C24	NONE	59	10	MiTopW	168	250	85
5-15	70	C24	NONE	17	11	MiTopW	108	200	37
6-15	95	C24	NONE	82	12	MiTopW	60	150	93
6-16	70	C24	NONE	5	13	MiTopW	144	400	68
6-17	95	C24	NONE	81	14	MiTopW	60	150	90
7-17	70	C24	NONE	17	15	MiTopW	144	300	87
8-17	70	C24	NONE	59	16	MiTopW	60	150	36
8-18	70	C24	NONE	39	17	MiTopW	144	300	86
8-19	95	C24	1	50	18	MiTopW	60	150	92
9-19	70	C24	NONE	8	19	MiTopW	144	400	68
10-19	70	C24	NONE	93	20	MiTopW	60	150	94
10-20	70	C24	NONE	43					

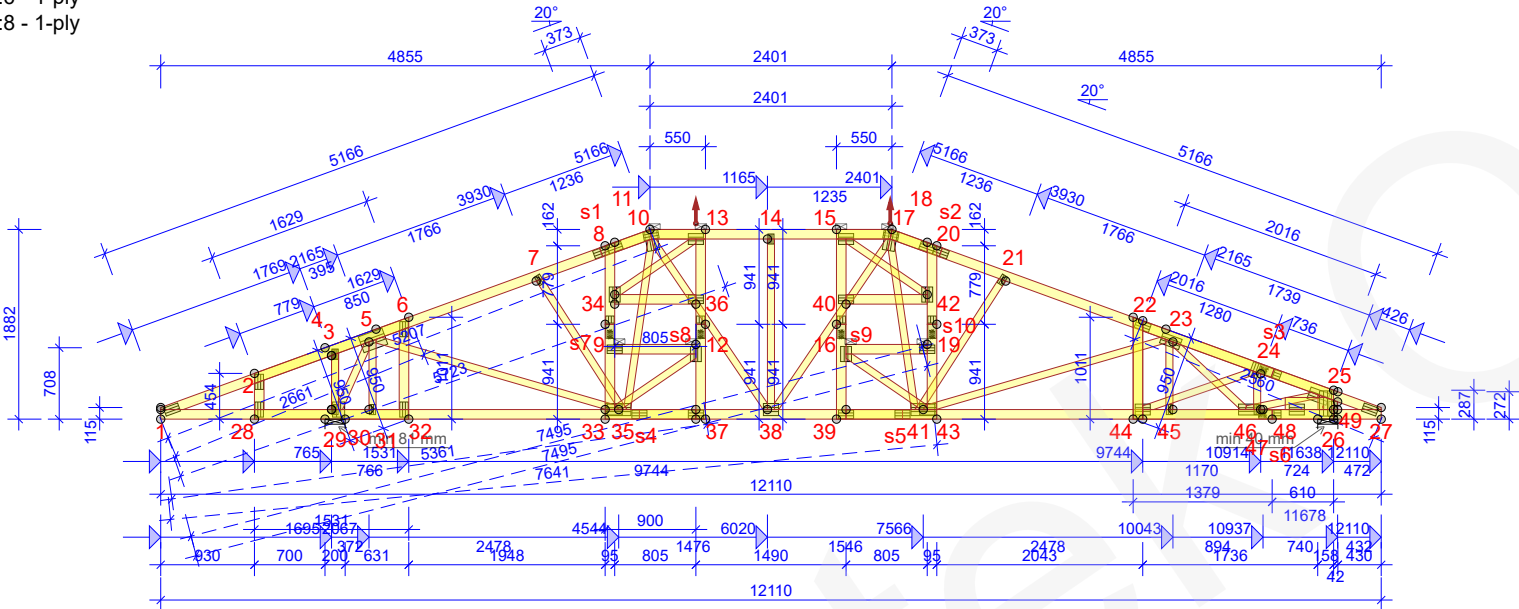
FASTENERS - SPLICES				
JOINT NO	PLATE TYPE	WIDTH mm	LENGTH mm	CSI %
s1	MiTopW	168	200	92
s2	MiTopW	192	300	95
s3	MiTopW	192	300	96

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	Customer:	Project no:
	Project name:	096921TTC_Paneel
	Project address:	Mark: V3
	Page name:	Revision:
Designer		Page no: 1/1
Supervisor		Scale: 1:75
Main engineer		Date: 15/04/2025
Cert. no		Page no:

V5 - 1 no.
Part:1 - 1-ply
Part:2 - 1-ply
Part:3 - 1-ply
Part:4 - 1-ply
Part:5 - 1-ply
Part:6 - 1-ply
Part:8 - 1-ply

BRACINGS ACCORDING TO TIMBER TABLE AND STABILITY OF THE TRUSS SYSTEM SHALL BE DESIGNED SEPARATELY
☒ INDICATES BRACING



GENERAL DIRECTIONS

THE STRUCTURE HAS BEEN CALCULATED USING
COMPUTER PROGRAM "MITEK PAMIR",
OU Trustek_EE1 - LICENSE: 15421
DESIGN CODE: EN 1995-1-1:2004 + A2:2014 + EE NA:2007 +
A1:2008 + EE NA:2009
FULL DESIGN RESULTS AS PER CALC. PRINTOUT

GENERAL SETTINGS

TIMBER THICKNESS (mm): 45
TRUSS WEIGHT (kg/ply): 161
TRUSS CENTRES (mm): 900
LOAD SHARING FACTOR: 1.1
SERVICE CLASS: 2 = 65% <= RH < 85%
THE TRUSS PLANT IS CONTROLLED BY :
BM TRADA Latvia Ltd
PRODUCT CERTIFICATE: 2358 - CPR - 2358-CPR-083
BRACING: SEE TIMBER TABLE

LOADS (N/m²)

SNOW ZONE: 1.5
SNOW LOAD (Sk): 1500
WIND LOAD (qp(z)): 587
LIVE LOAD ON BOTTOM CHORD: 500
DEAD LOAD ON ROOF: 550
DEAD LOAD ON CEILING: 450
DEAD LOAD ON CEILING EXPOSED: 300
OTHER LOADS AS PER CALC. PRINT-OUT
SELF-WEIGHT ADDED

SUPPORT REACTIONS (N) (ULTIMATE)

JOINT NO	DIR.	LC P/L MAX	LC M MAX	LC S MAX	LC I MAX	LC I MIN	S-W mm
26	VER.	7170	16772	16175	0	0	40
30	HOR.	0	0	-1096	0	-	
30	VER.	8835	21128	19641	0	0	81

MAX DEFLECTION (mm) (SERVICEABILITY)

JOINT NO	VER.	HOR.	LC NO.
41-45	15.4	2.4	1002:6 (WFIN (FREQUENT))
23-41	13.2	2.1	1002:6 (WFIN (FREQUENT))
s6-26	0.2	3.9	1002:6 (WFIN (FREQUENT))
FOR DEFLECTIONS AT OTHER POINTS - SEE CALC. PRINTOUT			

TIMBER			THICKNESS 45 mm		
JOINT FR.TO	DEPTH mm	GRADE	BRACING mm/mtr	CSI %	
2-6	95	C24	350	34	1
1-11	95	C24	350	97	2
17-27	95	C24	350	87	4
8-10	95	C24	350	6	4
9-12	95	C24	805	9	5
22-26	95	C24	350	22	6
10-13	95	C24	550	15	7
11-17	95	C24	1151	100	8
15-18	95	C24	550	15	9
16-19	95	C24	805	4	10
18-20	95	C24	350	7	11
1-27	95	C24	SHEETING	92	12
28-32	95	C24	SHEETING	37	13
26-44	95	C24	SHEETING	17	14
33-37	95	C24	SHEETING	9	15
34-36	95	C24	SHEETING	4	16
26-48	120	C24	SHEETING	12	17
39-43	95	C24	SHEETING	6	18
40-42	95	C24	SHEETING	4	19
2-28	95	C24	NONE	7	20
6-32	95	C24	NONE	10	21
8-33	95	C24	NONE	8	22
13-37	95	C24	NONE	8	23
15-39	95	C24	NONE	10	24
20-43	95	C24	NONE	6	25
22-44	95	C24	NONE	10	26
3-29	70	C24	NONE	10	26.2
4-30	70	C24	NONE	10	27
5-30	70	C24	NONE	57	28
5-31	70	C24	NONE	17	29
5-36	70	C24	NONE	59	30
7-35	70	C24	NONE	44	31
12-33	70	C24	NONE	13	32
13-35	70	C24	NONE	22	33
13-34	70	C24	NONE	7	34
11-38	70	C24	NONE	20	35
14-38	70	C24	NONE	34	36
17-38	70	C24	NONE	33	37
15-42	70	C24	NONE	7	38
17-41	70	C24	NONE	21	39
16-43	70	C24	NONE	40	40
21-41	70	C24	NONE	40	41
23-41	70	C24	NONE	11	42
23-45	70	C24	NONE	11	43
24-44	70	C24	NONE	7	44
23-46	70	C24	NONE	37	45
25-46	70	C24	NONE	46	46

NOTE, SEE CALCS FOR COMPLETE TIMBER INFO.

FASTENERS - SPLICES EXCL				
JOINT NO	PLATE TYPE	WIDTH mm	LENGTH mm	CSI %
2	MITopW	84	150	52
19	MITopW	84	150	56
48	MITopW	84	150	67
s1	MITopW	84	150	40
s2	MITopW	84	150	40
s3	GNT150S-K	84	221	40
s4	MITopW	84	150	83
s5	MITopW	84	150	94
s6	GNT150S-K	84	221	48
s7	GNT150S-K	84	221	40
s8	GNT150S-K	84	221	40
s9	GNT150S-K	84	221	40
s10	GNT150S-K	84	221	40
12	MITopW	108	150	45
13	MITopW	108	150	61
14	MITopW	60	100	46
15	MITopW	108	150	61
16	MITopW	108	150	45
17	MITopW	120	200	88
18	MITopW	84	150	32
19	MITopW	84	150	19
20	MITopW	84	150	48
21	MITopW	60	100	34
22	MITopW	108	200	68
23	MITopW	84	150	79
24	MITopW	84	150	86
25	MITopW	120	200	49
26	MITopW	108	150	72
27	MITopW	84	150	52
28	MITopW	84	150	44
29	MITopW	60	100	46
30	MITopW	120	150	90
31	MITopW	60	100	46
32	MITopW	84	150	44
33	MITopW	108	150	65
34	MITopW	108	150	45
35	MITopW	120	200	52
36	MITopW	84	150	32
37	MITopW	84	150	91
38	MITopW	120	150	44
39	MITopW	84	150	32
40	MITopW	84	150	65
41	MITopW	120	250	45
42	MITopW	108	150	45
43	MITopW	108	150	55
44	MITopW	108	150	70
45	MITopW	60	100	46
46	MITopW	108	200	89

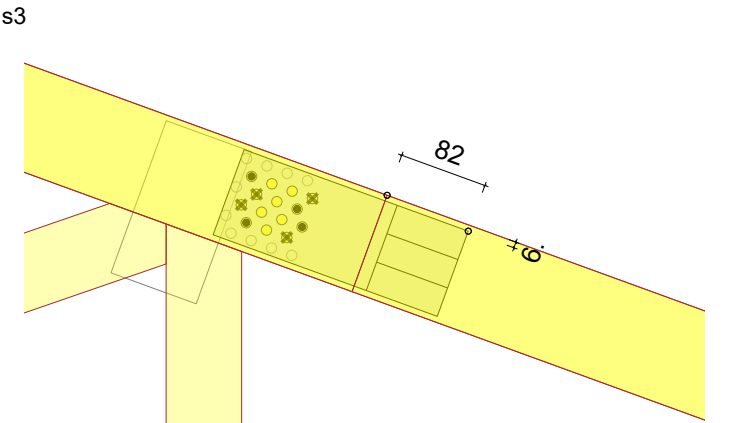
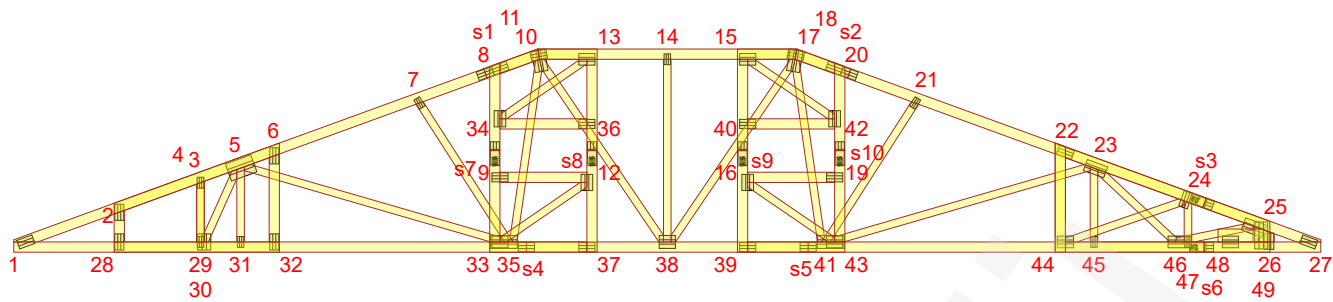
NOTE, SEE CALCS FOR INFO ON ALL FASTENERS.

FASTENER LOCATION TOLERANCE: 8 mm

FASTENERS - SPLICES				
JOINT NO	PLATE TYPE	WIDTH mm	LENGTH mm	CSI %
s1	MITopW	84	150	56
s2	MITopW	84	150	67
s3	GNT150S-K	84	221	40
s4	MITopW	84	150	83
s5	MITopW	84	150	94
s6	GNT150S-K	84	221	48
s7	GNT150S-K	84	221	40
s8	GNT150S-K	84	221	40
s9	GNT150S-K	84	221	40
s10	GNT150S-K	84	221	40

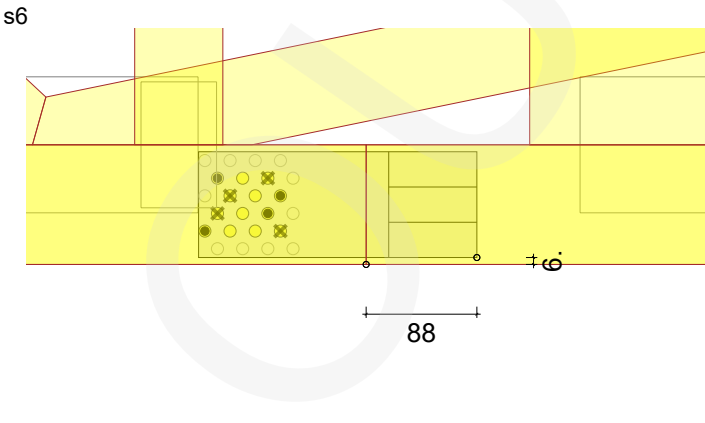
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		Project name:	096921TTC_Paneel
		Project address:	Mark:
Designer S.K.		Page name:	Revision:
		Supervisor	Page no:
		Main engineer	1/1
Cert. no		Date:	Scale:
		07/05/2025 - 12:11	1:75
		2025.1c (f09b50f)	Date:
		Page no:	07/05/2025



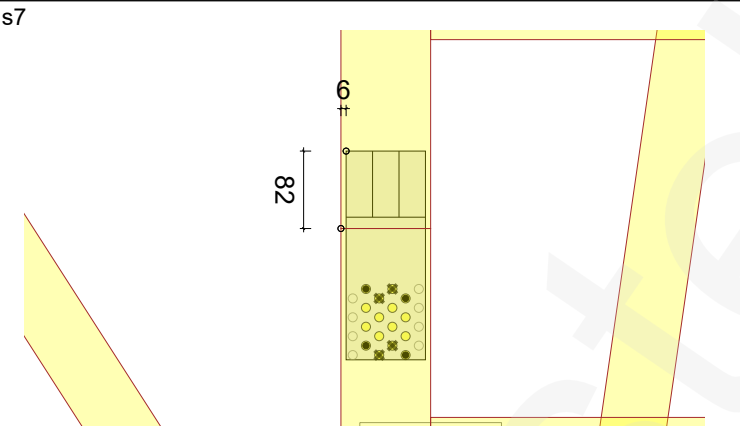
GNT150S-K 84x221
Nail: 4 no. RINGED NAIL 4 X 35 / side

40%
Scale 1:7



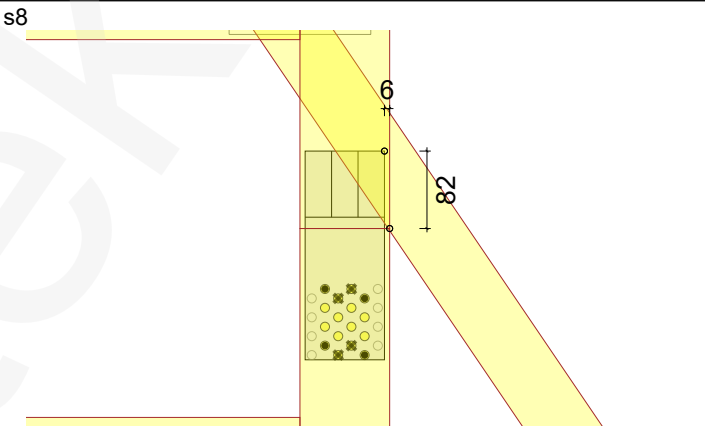
GNT150S-K 84x221
Nail: 4 no. RINGED NAIL 4 X 35 / side

48%
Scale 1:6



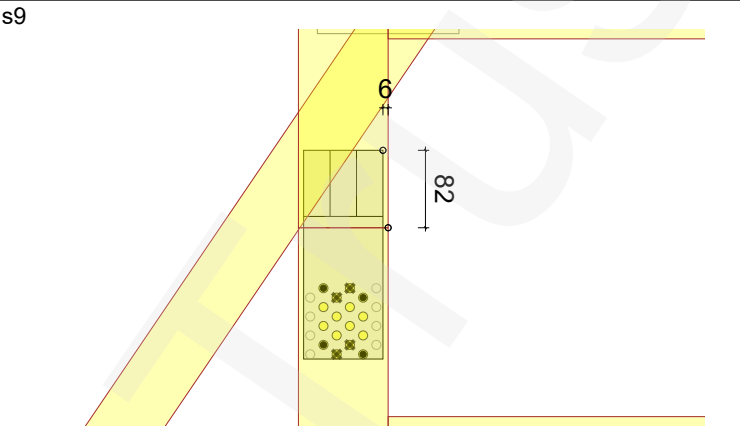
GNT150S-K 84x221
Nail: 4 no. RINGED NAIL 4 X 35 / side

40%
Scale 1:8



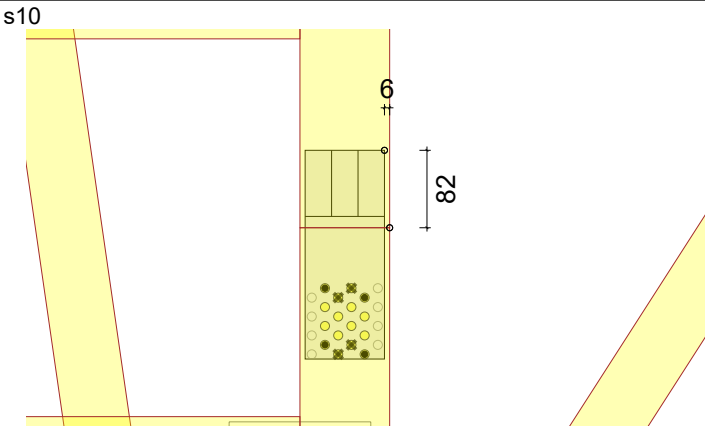
GNT150S-K 84x221
Nail: 4 no. RINGED NAIL 4 X 35 / side

40%
Scale 1:8



GNT150S-K 84x221
Nail: 4 no. RINGED NAIL 4 X 35 / side

40%
Scale 1:8



GNT150S-K 84x221
Nail: 4 no. RINGED NAIL 4 X 35 / side

40%
Scale 1:8

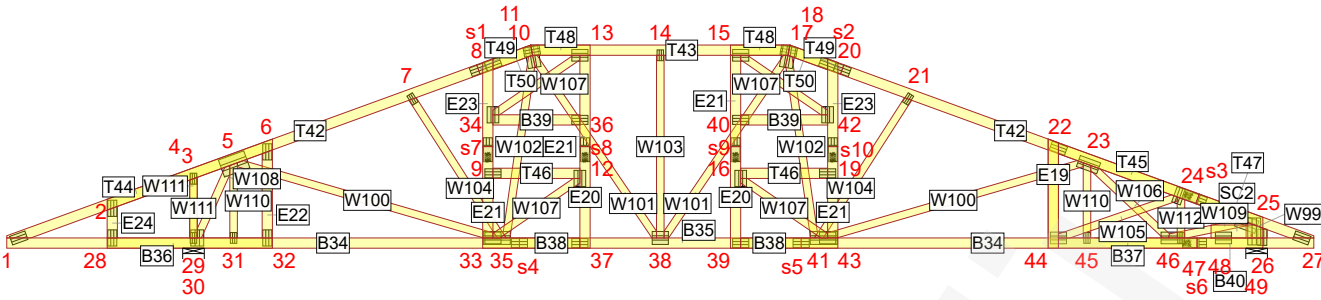
FASTENER LOCATION TOLERANCE: 8 mm



Designer	S.K		
Supervisor			
Main engineer			
Cert. no			

07/05/2025 - 12:11
2025.1c (f09b50f)

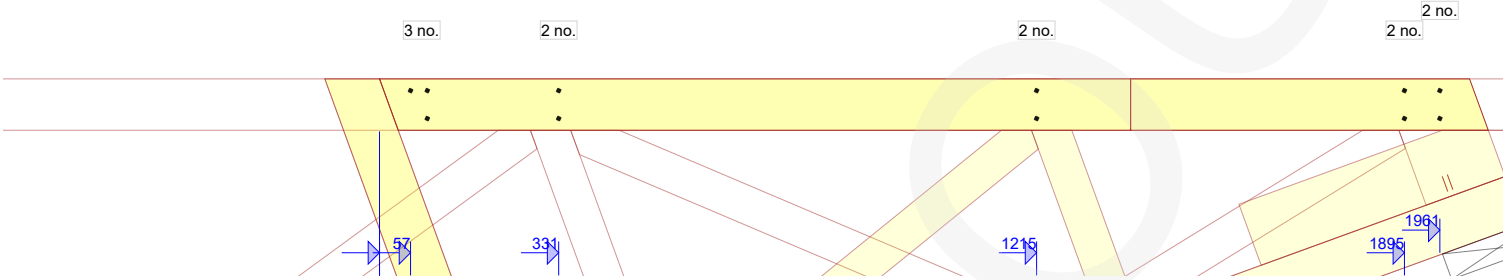
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Project name:	096921TTC_Paneel
Project address:	Mark:
Page name:	V5
	Revision:
	Page no:
	1/1
	Scale:
	1:70
Date:	Page no:
07/05/2025	



T45

Smooth nail 3.1 x 9045 x 95 C24 - 1389 mm

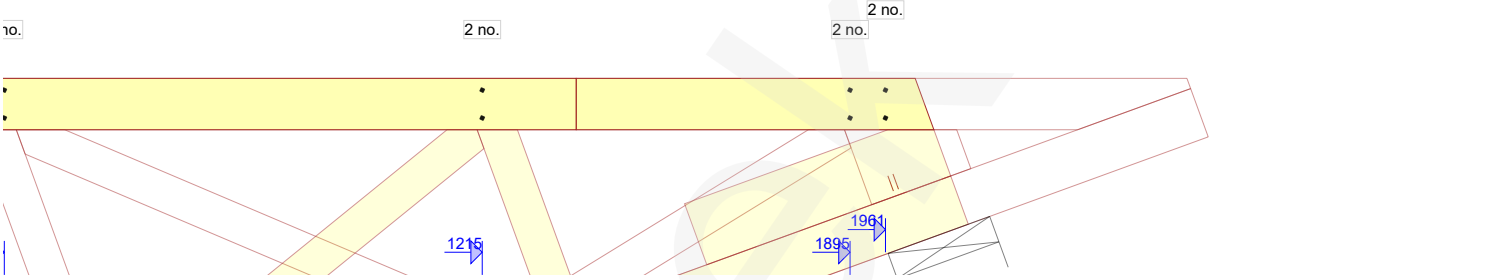
Member layer: -1



T47

Smooth nail 3.1 x 9045 x 95 C24 - 661 mm

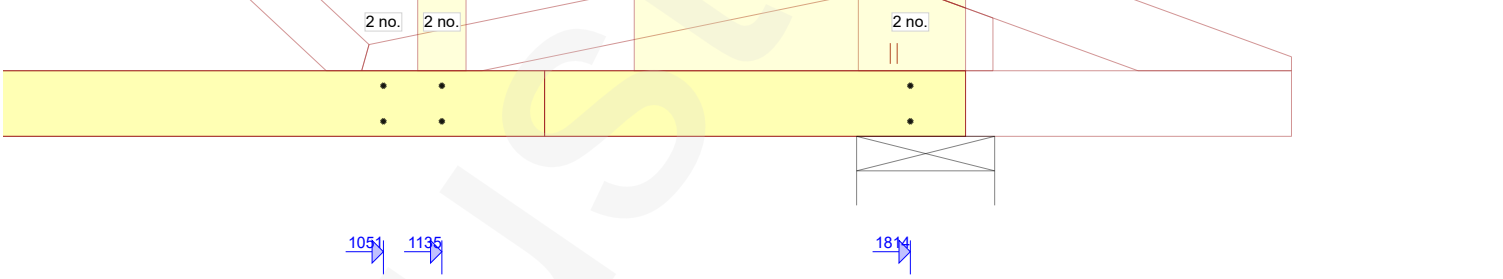
Member layer: -1



B40

Smooth nail 3.1 x 9045 x 95 C24 - 610 mm

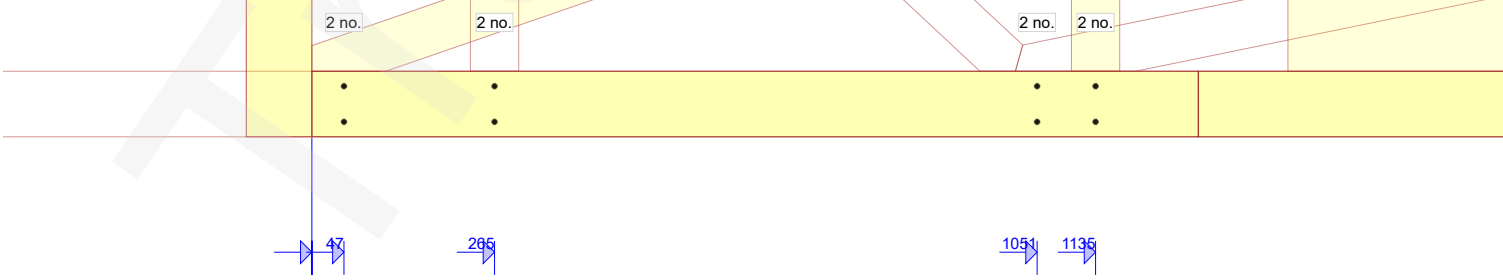
Member layer: -1



B37

Smooth nail 3.1 x 9045 x 95 C24 - 1284 mm

Member layer: -1



07/05/2025 - 12:11
2025.1c (f09b50f)

Designer
Supervisor
Main engineer
Cert. no

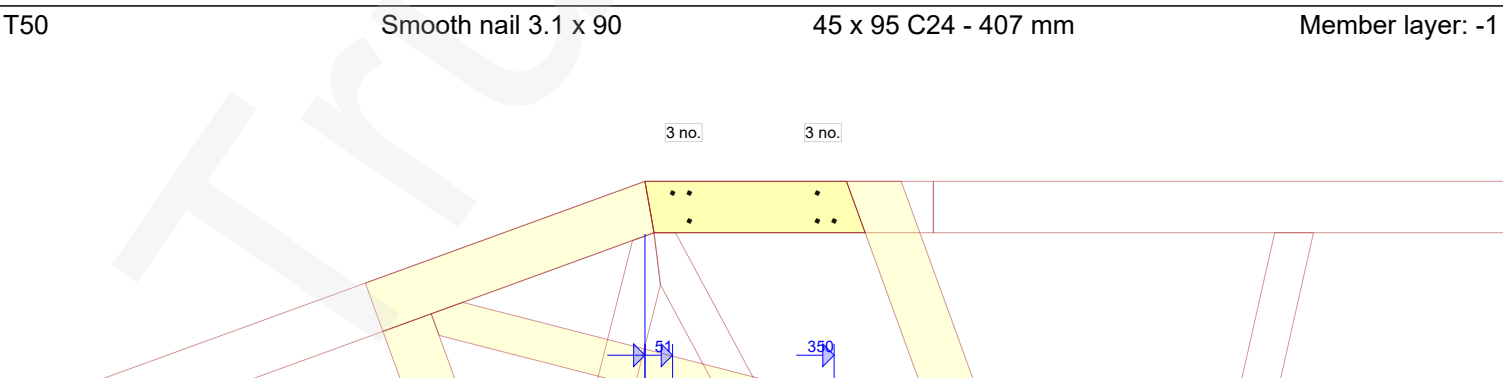
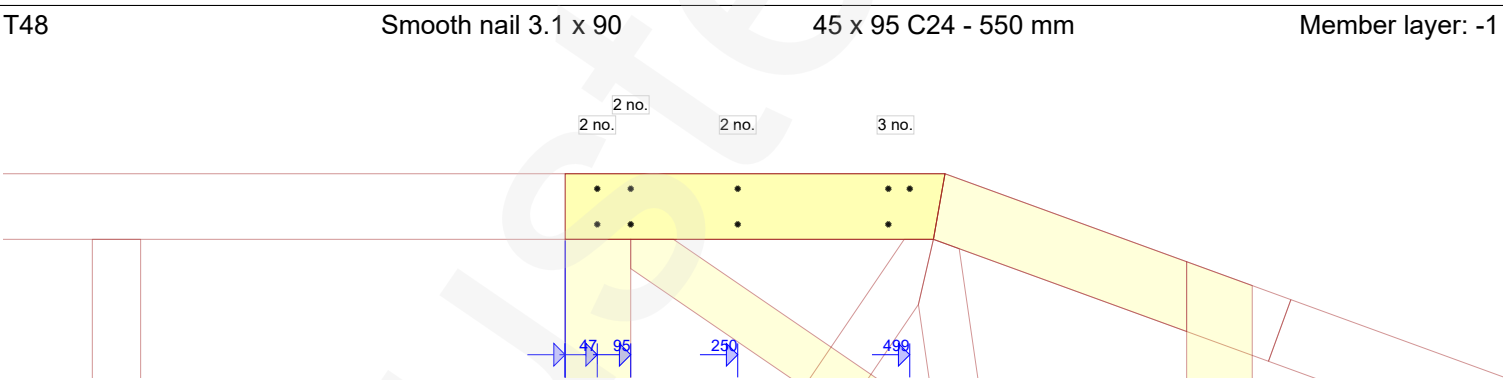
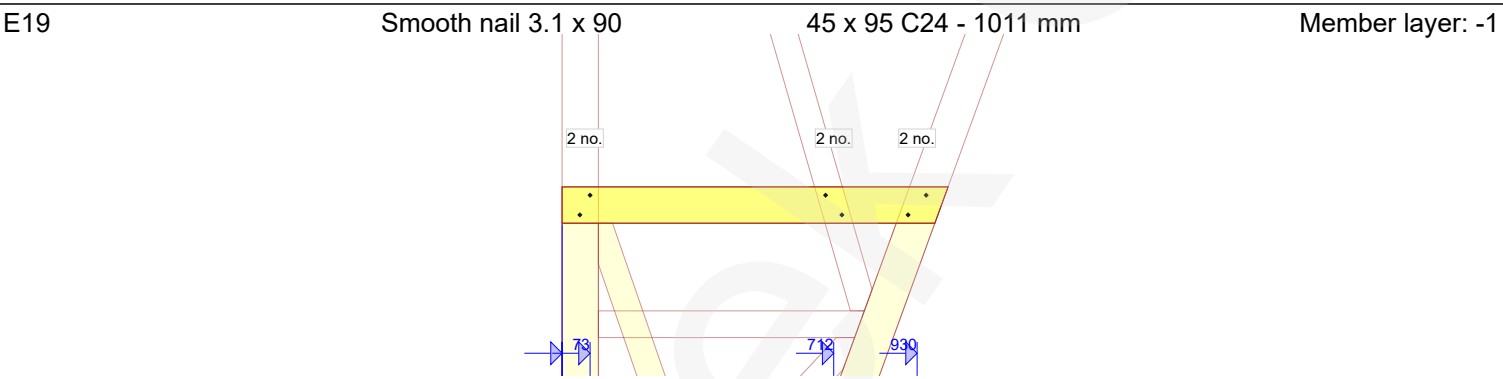
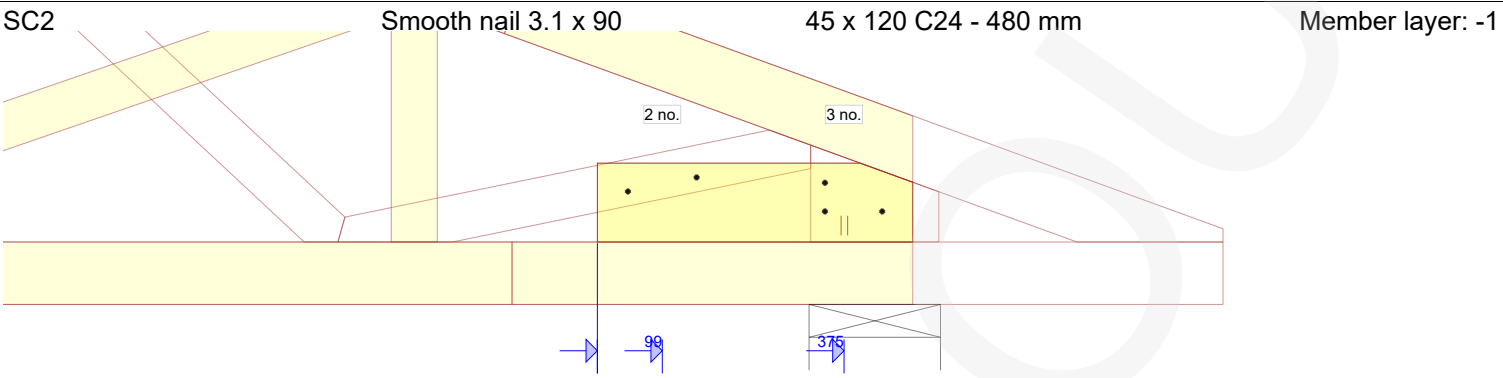
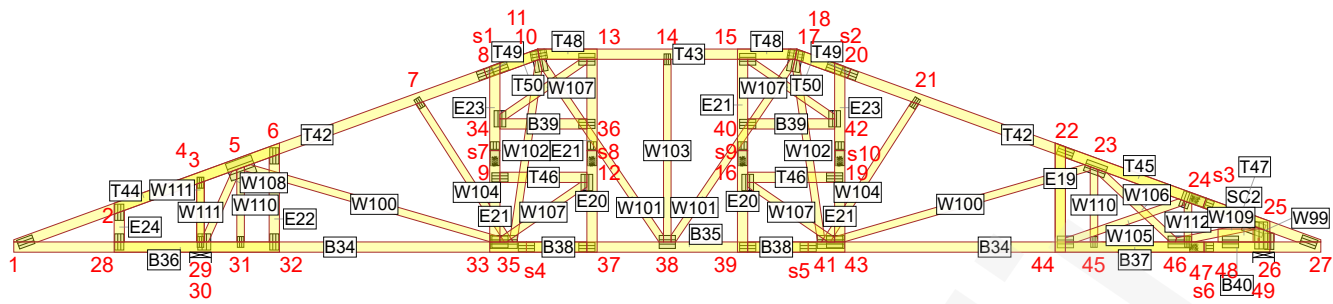
S.K

Customer:
Project name:
Project address:
Page name:

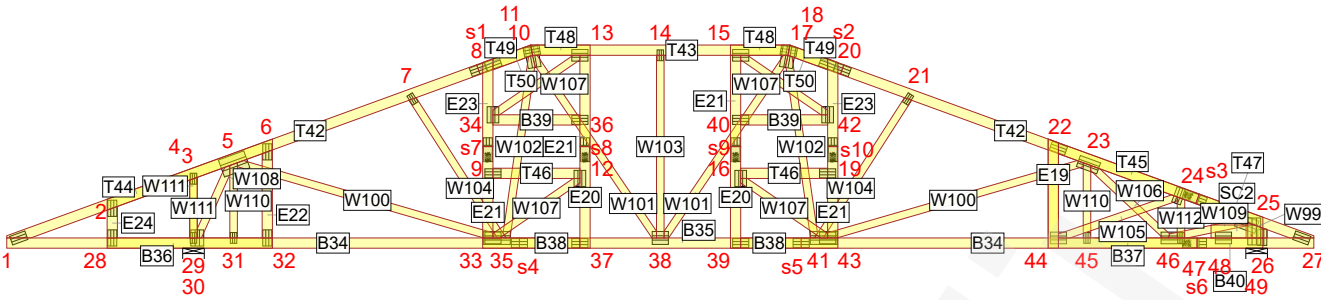
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096921TTC_Paneel
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Revision:
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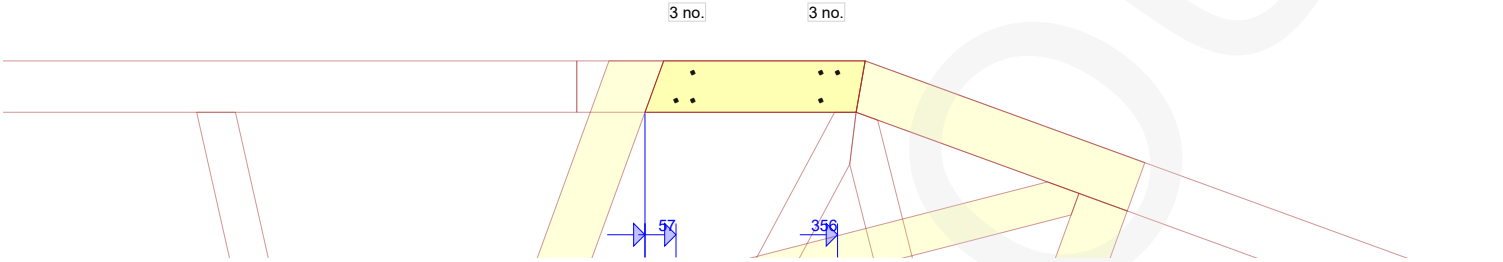
 Designer S.K Supervisor Main engineer Cert. no				Customer:	Project no:
				Project name:	096921TTC_Paneel
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				Page name:	V5
					Revision:
07/05/2025 - 12:11 2025.1c (f09b50f)				Page no:	3/9
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				Date:	07/05/2025
				Page no:	



T50

Smooth nail 3.1 x 9045 x 95 C24 - 407 mm

Member layer: -1



B38

Smooth nail 3.1 x 9045 x 95 C24 - 900 mm

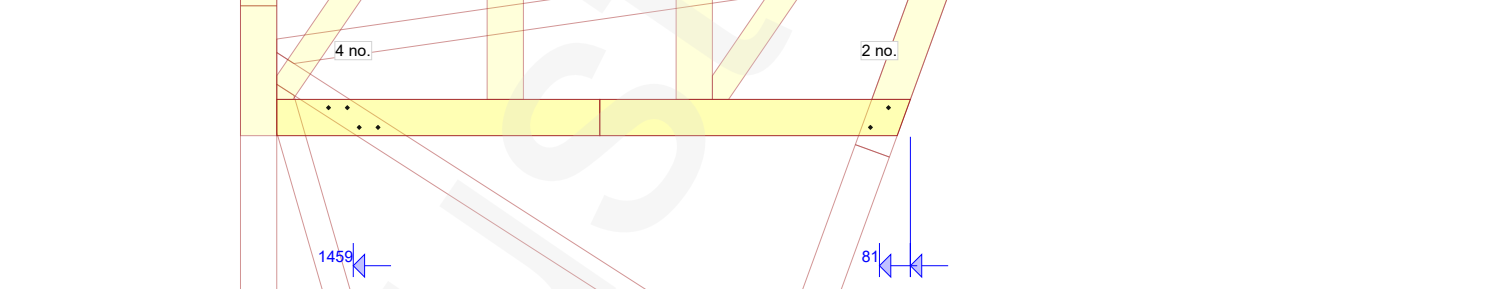
Member layer: -1



E23

Smooth nail 3.1 x 9045 x 95 C24 - 814 mm

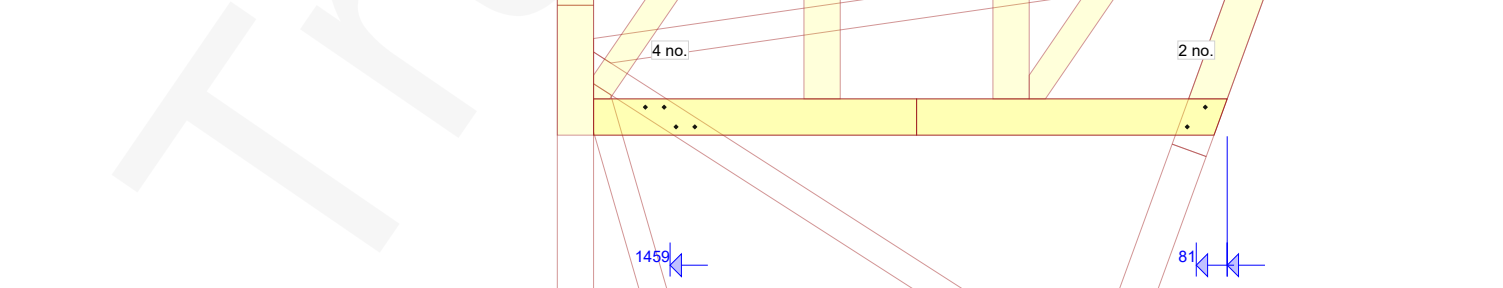
Member layer: -1



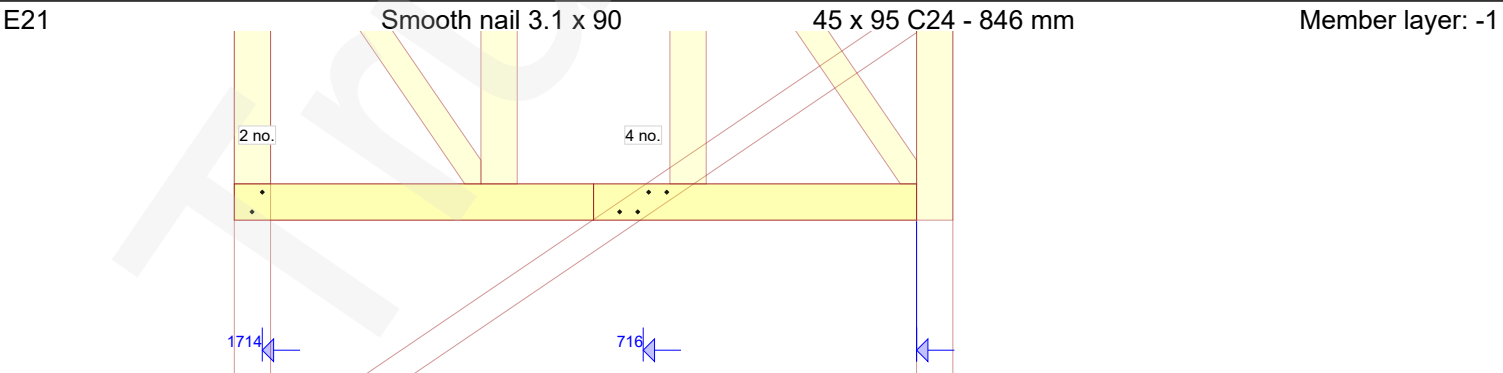
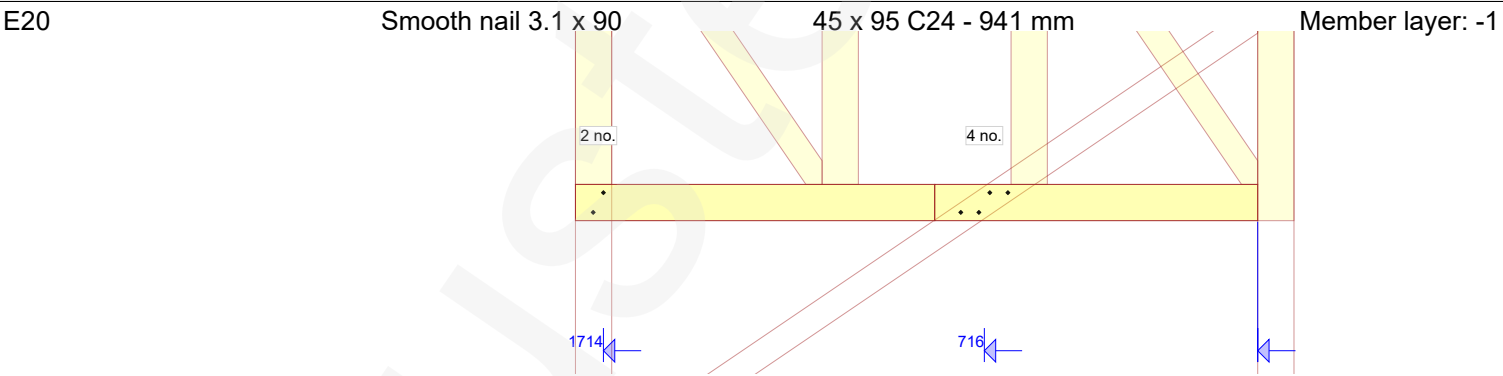
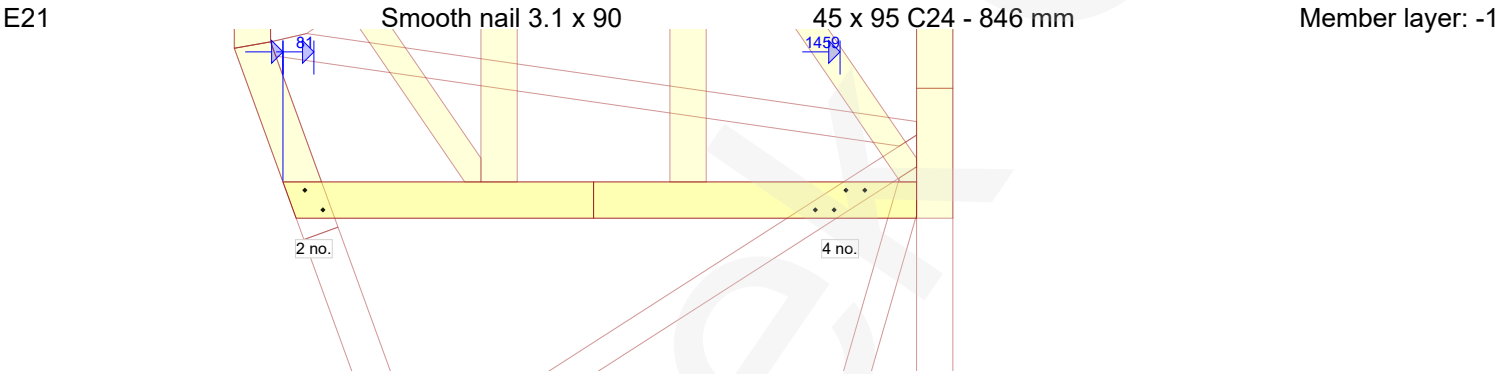
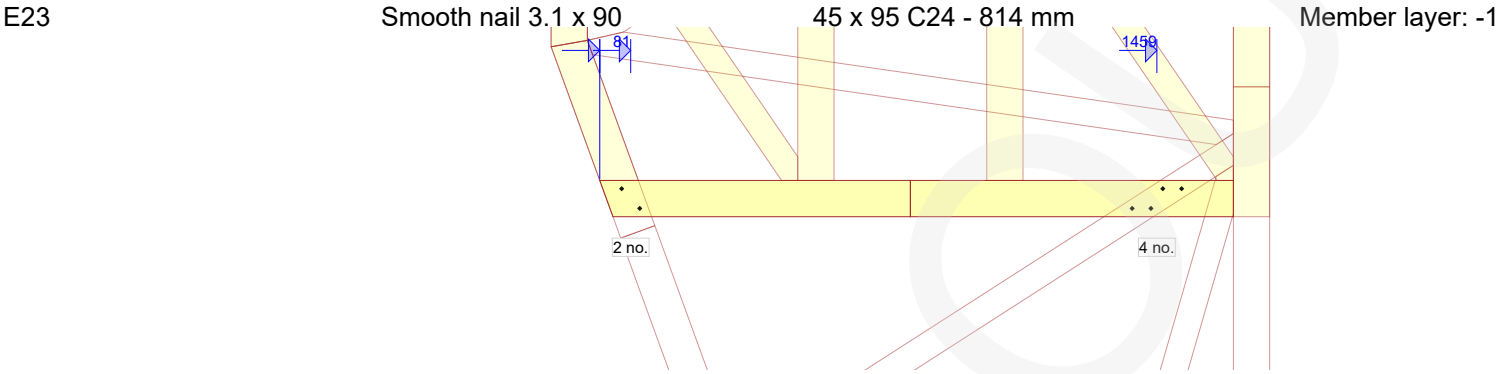
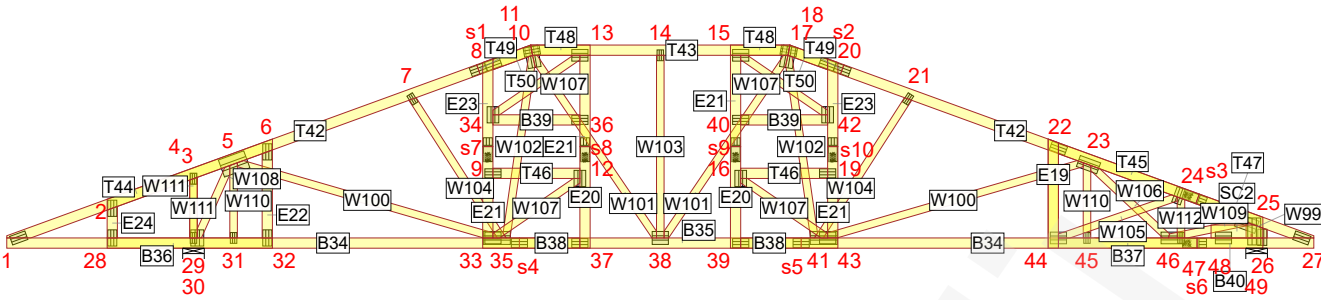
E21

Smooth nail 3.1 x 9045 x 95 C24 - 846 mm

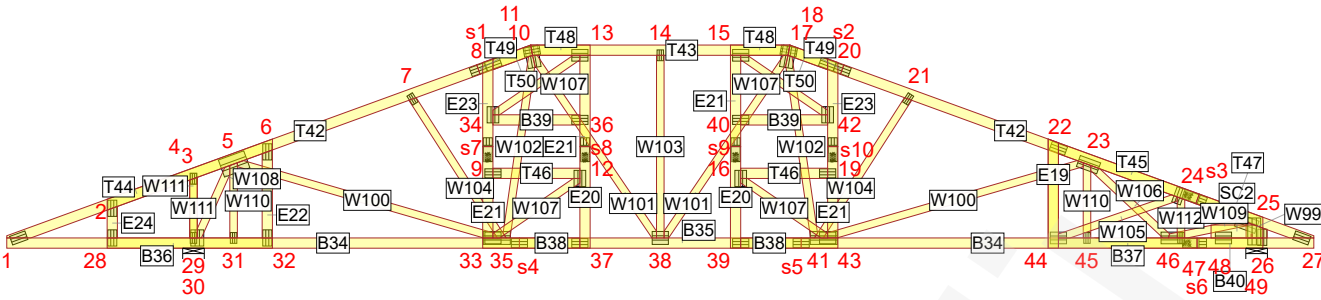
Member layer: -1



 07/05/2025 - 12:11 2025.1c (f09b50f)	Customer:	Project no:
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Designer S.K	Page no:	4/9
Supervisor	Scale:	1:70
Main engineer	Date:	07/05/2025
Cert. no	Page no:	



		Customer:		Project no:	
		Project name:		096921TTC_Paneel	
		Project address:		V5	
		Page name:		Revision:	
Designer		S.K		Page no:	
Supervisor				5/9	
Main engineer				Scale:	
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E20

Smooth nail 3.1 x 9045 x 95 C24 - 941 mm

Member layer: -1

E21

Smooth nail 3.1 x 9045 x 95 C24 - 846 mm

Member layer: -1

T48

Smooth nail 3.1 x 9045 x 95 C24 - 550 mm

Member layer: -1

B38

Smooth nail 3.1 x 9045 x 95 C24 - 900 mm

Member layer: -1

07/05/2025 - 12:11

2025.1c (f09b50f)

Designer

Supervisor

Main engineer

Cert. no

S.K

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Project name:

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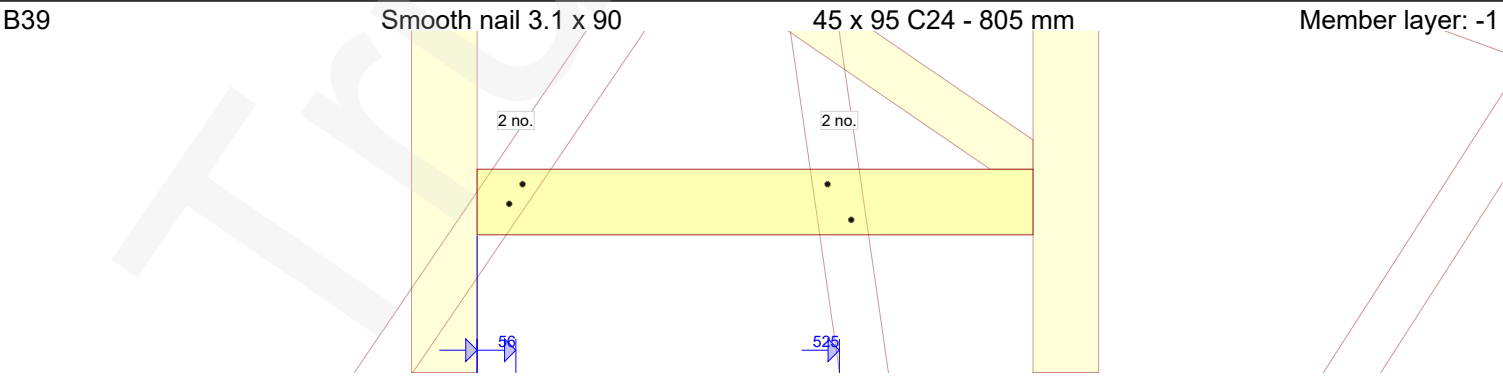
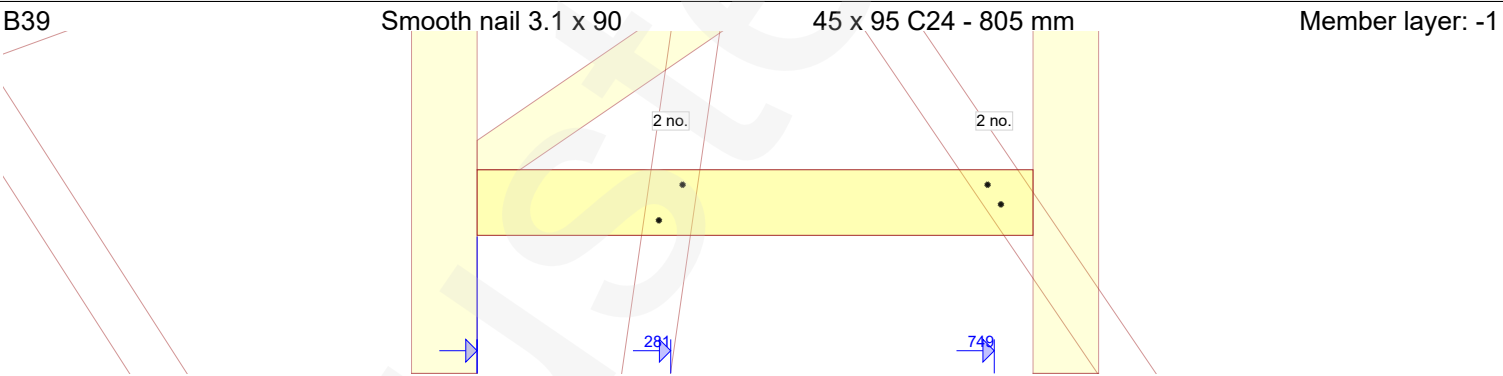
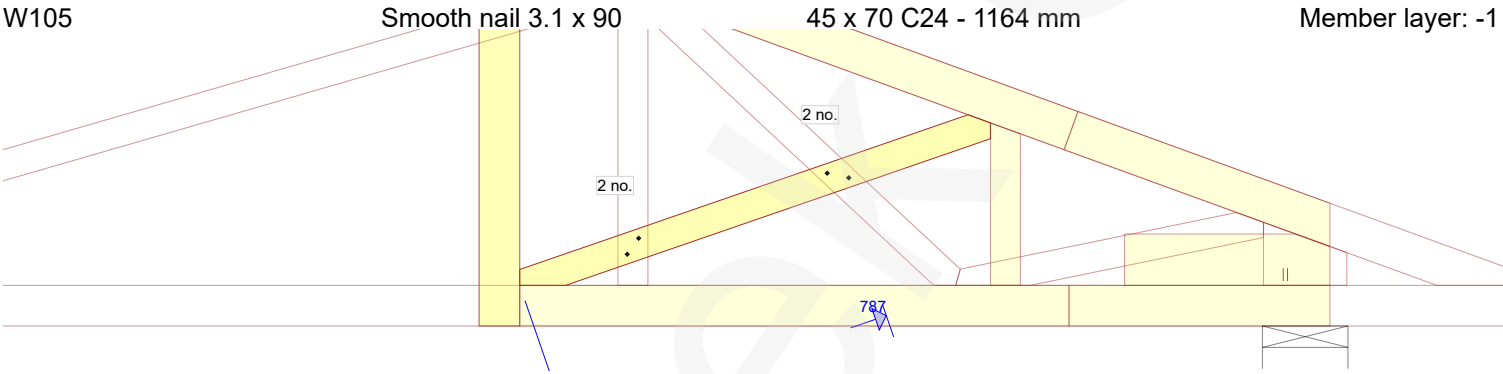
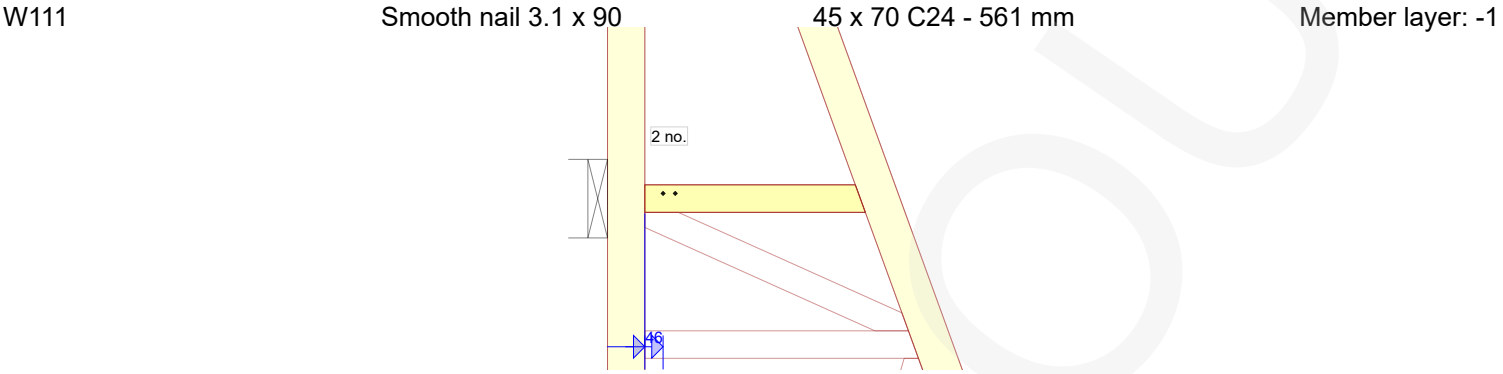
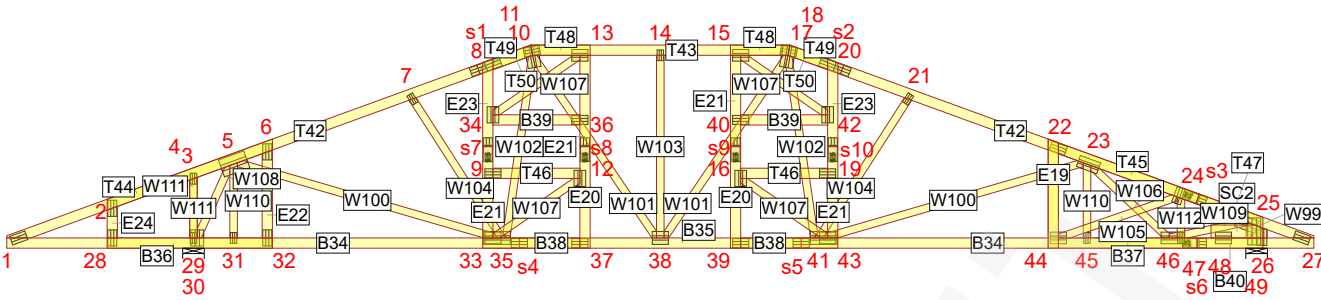
V5

6/9

1:70

07/05/2025

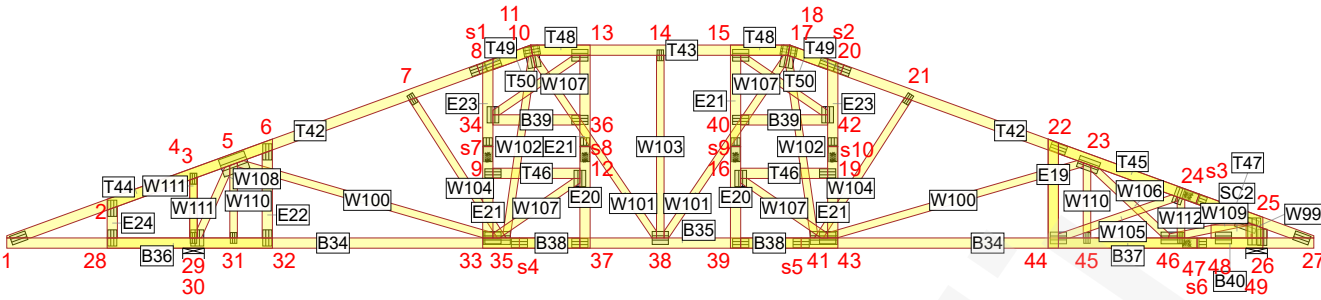
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	Project name:	096921TTC_Paneel
	Project address:	V5
	Page name:	Revision:
	Designer S.K	Page no: 7/9
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Main engineer	Date: 07/05/2025	
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T46

Smooth nail 3.1 x 90

45 x 95 C24 - 805 mm

Member layer: -1

2 no.

209

T46

Smooth nail 3.1 x 90

45 x 95 C24 - 805 mm

Member layer: -1

2 no.

596

W107

Smooth nail 3.1 x 90

45 x 70 C24 - 976 mm

Member layer: -1

1 no. 2 no.

76 172

W107

Smooth nail 3.1 x 90

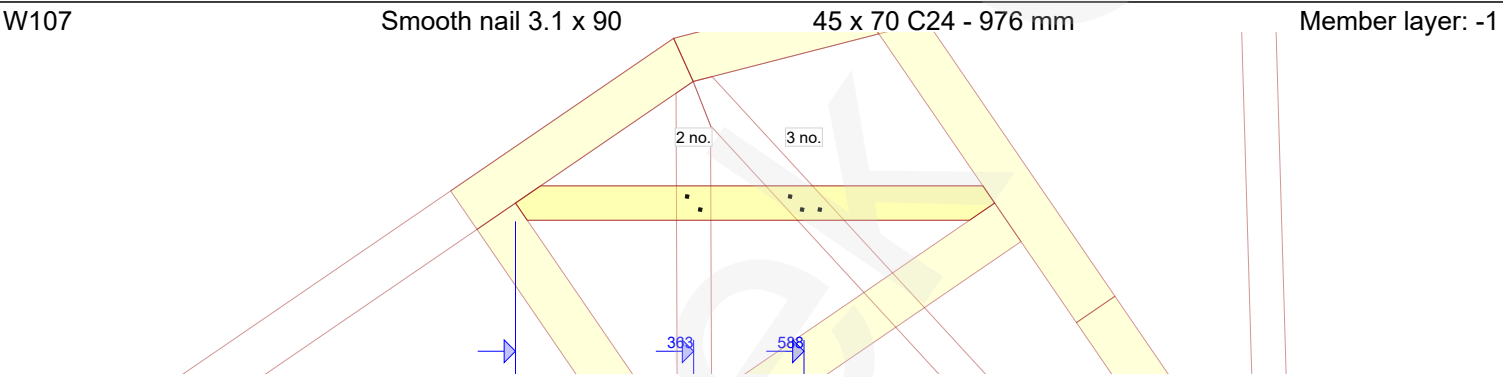
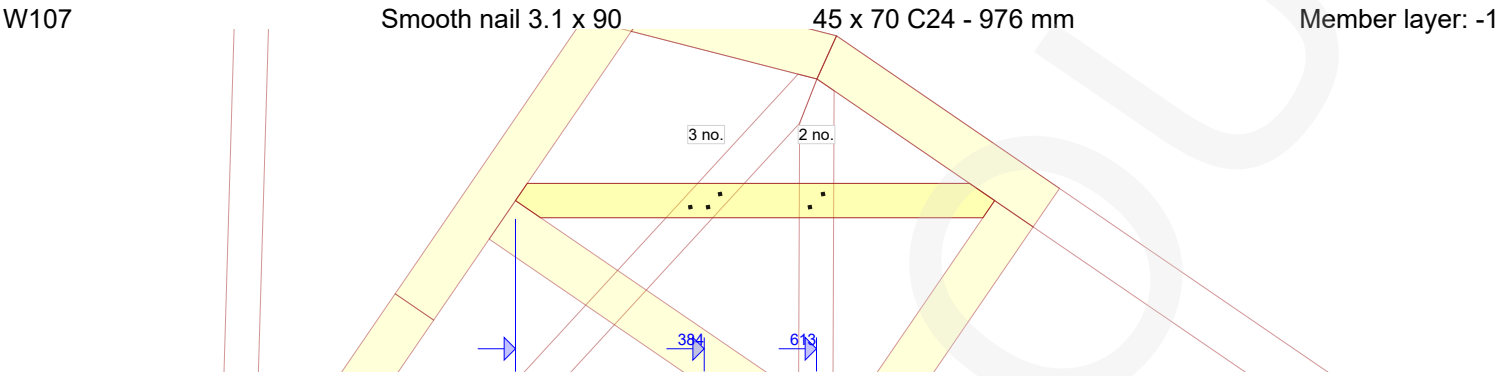
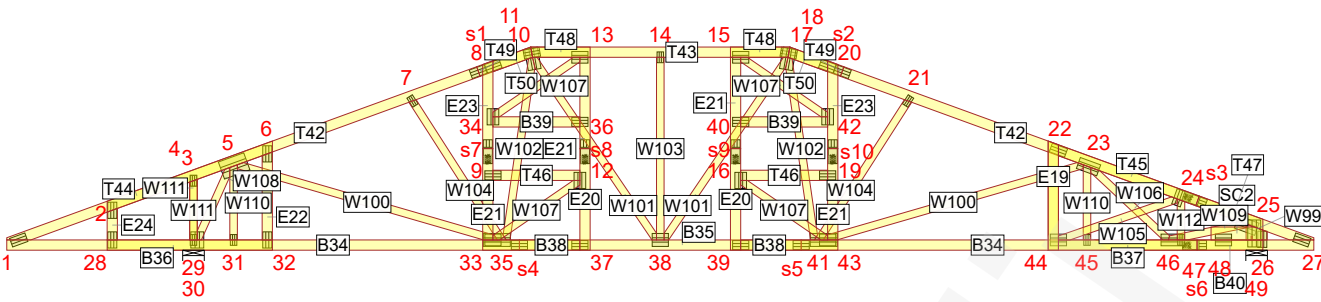
45 x 70 C24 - 976 mm

Member layer: -1

2 no. 1 no.

893 900

 07/05/2025 - 12:11 2025.1c (f09b50f)	Customer:		Project no:	
	Project name:		096921TTC_Paneel	
	Project address:		Mark:	
	Page name:		V5	
	Date:		Revision:	
Designer	S.K		Page no:	8/9
Supervisor			Scale:	1:70
Main engineer			Date:	07/05/2025
Cert. no			Page no:	



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				Project name:		Mark:	
				Project address:		Revision:	
				Page name:		Page no:	
Designer	S.K					9/9	
Supervisor						Scale:	
Main engineer						1:70	
Cert. no						Date:	Page no:
						07/05/2025	

BRACINGS ACCORDING TO TIMBER TABLE AND STABILITY OF THE TRUSS SYSTEM SHALL BE DESIGNED SEPARATELY
LONGITUDINAL BRACES MUST BE INSTALLED PRIOR TO STANDING ON HORIZONTAL TOP CHORDS
☒ INDICATES BRACING

GENERAL DIRECTIONS

THE STRUCTURE HAS BEEN CALCULATED USING
COMPUTER PROGRAM "MITEK PAMIR",
OU Trustek_EE1 - LICENSE: 15421
DESIGN CODE: EN 1995-1-1:2004 + A2:2014 + EE NA:2007 +
A1:2008 + EE NA:2009
FULL DESIGN RESULTS AS PER CALC. PRINTOUT

GENERAL SETTINGS

TIMBER THICKNESS (mm): 45
TRUSS WEIGHT (kg/ply): 87
TRUSS CENTRES (mm): 900
LOAD SHARING FACTOR: 1.1
SERVICE CLASS: 2 = 65% <= RH < 85%
THE TRUSS PLANT IS CONTROLLED BY :
BM TRADA Latvia Ltd
PRODUCT CERTIFICATE: 2358 - CPR - 2358-CPR-083
BRACING: SEE TIMBER TABLE

LOADS (N/m²)

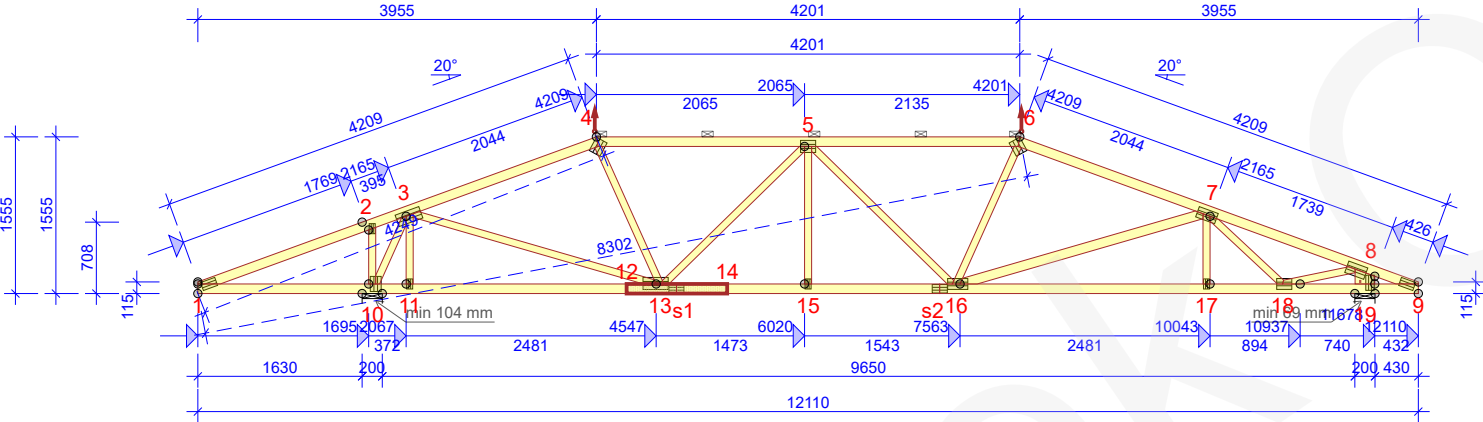
SNOW ZONE: 1.5
SNOW LOAD (Sk): 1500
WIND LOAD (qp(z)): 587
LIVE LOAD ON BOTTOM CHORD: 500
DEAD LOAD ON ROOF: 550
DEAD LOAD ON CEILING: 450
DEAD LOAD ON CEILING EXPOSED: 300
OTHER LOADS AS PER CALC. PRINT-OUT
SELF-WEIGHT ADDED

SUPPORT REACTIONS (N) (ULTIMATE)

JOINT NO	DIR.	LC P/L MAX	LC M MAX	LC S MAX	LC I MAX	LC I MIN	S-W mm
10	HOR.	0	0	-906	0	-	-
10	VER.	7336	18641	17501	0	0	104
19	VER.	5887	14648	14273	0	0	69

MAX DEFLECTION (mm) (SERVICEABILITY)

JOINT NO	VER.	HOR.	LC NO.
16-17	15.5	2.2	1002:6 (WFIN (FREQUENT))
6-7	12.4	-0.6	1002:6 (WFIN (FREQUENT))
19	0.6	3.3	1002:6 (WFIN (FREQUENT))
FOR DEFLECTIONS AT OTHER POINTS - SEE CALC. PRINTOUT			



TIMBER THICKNESS 45 mm				
JOINT FR-TO	DEPTH mm	GRADE	BRACING mm/no.	CSI %
1-4	95	C24	350	82
6-9	95	C24	350	84
4-6	95	C24	1058	100
1-9	95	C24	SHEETING	97
12-14	1x45x95	C24	NONE	10
2-10	70	C24	NONE	10
3-10	70	C24	NONE	57
3-11	70	C24	NONE	21
3-13	70	C24	NONE	56
4-13	70	C24	NONE	25
5-13	70	C24	NONE	90
5-15	70	C24	NONE	10
5-16	70	C24	NONE	19
6-16	70	C24	NONE	22
7-16	95	C24	NONE	94
7-17	70	C24	NONE	14
7-18	70	C24	NONE	35
8-18	70	C24	NONE	38
8-19	195	C24	NONE	57

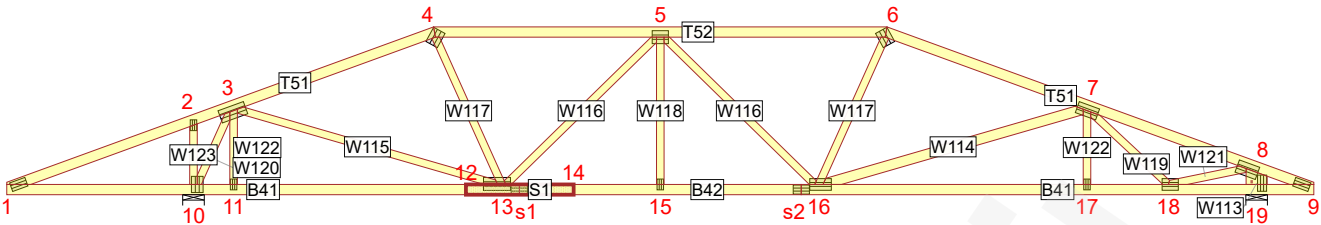
FASTENERS - SPLICES EXCL				
JOINT NO	PLATE TYPE	WIDTH mm	LENGTH mm	CSI %
1	MiTopW	84	150	52
2	MiTopW	60	100	48
3	MiTopW	120	250	94
4	MiTopW	120	150	87
5	MiTopW	120	150	90
6	MiTopW	120	150	98
7	MiTopW	108	200	80
8	MiTopW	120	200	83
9	MiTopW	84	150	52
10	MiTopW	108	150	95
11	MiTopW	60	100	49
13	MiTopW	120	250	80
15	MiTopW	60	100	46
16	MiTopW	108	200	53
17	MiTopW	60	100	56
18	MiTopW	108	150	95
19	MiTopW	84	150	81

FASTENER LOCATION TOLERANCE: 8 mm

FASTENERS - SPLICES				
JOINT NO	PLATE TYPE	WIDTH mm	LENGTH mm	CSI %
s1	MiTopW	84	150	98
s2	MiTopW	84	150	96

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	Designer				Customer:	Project no:
	Supervisor				Project name:	096921TTC_Paneel
	Main engineer				Project address:	Mark:
	Cert. no				Page name:	V6
						Revision:
15/04/2025 - 11:57 2025.1c (f09b50f)						Page no:
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						1:75
						Date:
						15/04/2025
						Page no:



S1

Smooth nail 3.1 x 90

45 x 95 C24 - 998 mm

Single - back

2 no.

2 no.

2 no.

S1

Square nail 2.8 x 75

45 x 95 C24 - 998 mm

Single - back

3 no.

3 no.

3 no.

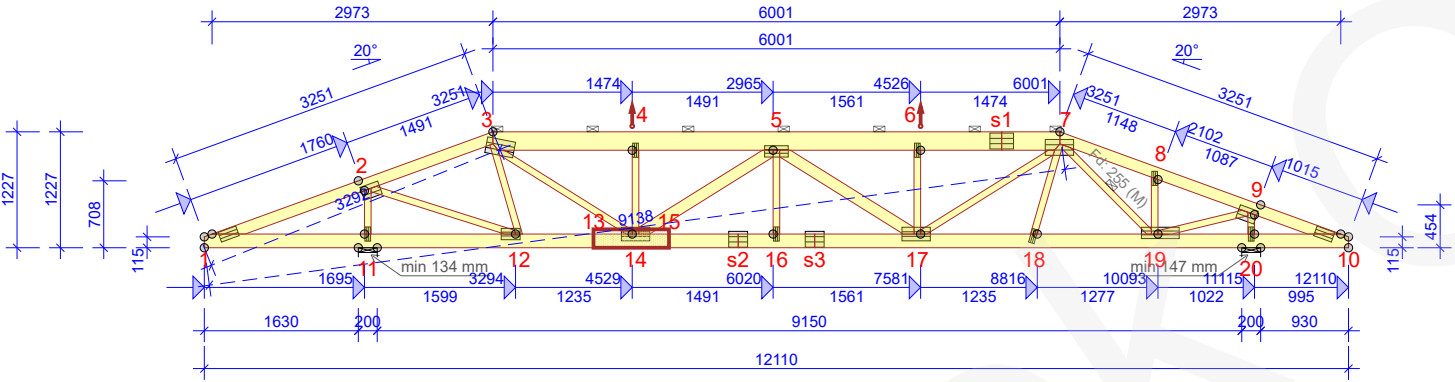
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Designer		Page no:		1/1
Supervisor		Scale:		1:70
Main engineer		Date:		15/04/2025
Cert. no		Page no:		

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V7 - 1 no.

BRACINGS ACCORDING TO TIMBER TABLE AND STABILITY OF THE TRUSS SYSTEM SHALL BE DESIGNED SEPARATELY
LONGITUDINAL BRACES MUST BE INSTALLED PRIOR TO STANDING ON HORIZONTAL TOP CHORDS
☒ INDICATES BRACING



GENERAL DIRECTIONS

THE STRUCTURE HAS BEEN CALCULATED USING
COMPUTER PROGRAM "MITEK PAMIR",
OU Trustek_EE1 - LICENSE: 15421
DESIGN CODE: EN 1995-1-1:2004 + A2:2014 + EE NA:2007 +
A1:2008 + EE NA:2009
FULL DESIGN RESULTS AS PER CALC. PRINTOUT

GENERAL SETTINGS

TIMBER THICKNESS (mm): 45
TRUSS WEIGHT (kg/ply): 122
TRUSS CENTRES (mm): 900
LOAD SHARING FACTOR: 1.1
SERVICE CLASS: 2 = 65% <= RH < 85%
THE TRUSS PLANT IS CONTROLLED BY :
BM TRADA Latvia Ltd
PRODUCT CERTIFICATE: 2358 - CPR - 2358-CPR-083
BRACING: SEE TIMBER TABLE

LOADS (N/m²)

SNOW ZONE: 1.5
SNOW LOAD (Sk): 1500
WIND LOAD (qp(z)): 587
LIVE LOAD ON BOTTOM CHORD: 500
DEAD LOAD ON ROOF: 550
DEAD LOAD ON CEILING: 450
DEAD LOAD ON CEILING EXPOSED: 300
OTHER LOADS AS PER CALC. PRINT-OUT
SELF-WEIGHT ADDED

SUPPORT REACTIONS (N) (ULTIMATE)

JOINT NO	DIR.	LC P/L MAX	LC M MAX	LC S MAX	LC I MAX	LC I MIN	S-W mm
11	HOR.	0	0	715	0	-	
11	VER.	8672	22031	22353	0	0	134
20	VER.	9256	23510	23371	0	0	147

MAX DEFLECTION (mm) (SERVICEABILITY)

JOINT NO	VER.	HOR.	LC NO.
s3	16.9	1.5	1002:6 (WFIN (FREQUENT))
s3-17	16.9	1.8	1002:6 (WFIN (FREQUENT))
10	-1.7	3.4	1002:6 (WFIN (FREQUENT))

FOR DEFLECTIONS AT OTHER POINTS - SEE CALC. PRINTOUT

TIMBER THICKNESS 45 mm				
JOINT FR-TO	DEPTH mm	GRADE	BRACING mm/no.	CSI %
1-3	120	C24	350	90
7-10	120	C24	350	89
3-7	195	C24	1011	100
1-10	145	C24	SHEETING	98
13-15	1x45x195	C24	NONE	1
2-11	70	C24	NONE	50
2-12	70	C24	NONE	78
3-12	70	C24	NONE	45
3-14	70	C24	NONE	77
4-14	70	C24	NONE	20
5-14	120	C24	NONE	95
5-16	70	C24	NONE	9
5-17	120	C24	NONE	37
6-17	70	C24	NONE	18
7-17	70	C24	NONE	45
7-18	70	C24	NONE	33
7-19	70	C24	1	61
8-19	70	C24	NONE	7
9-19	70	C24	NONE	86
9-20	70	C24	NONE	44

FASTENERS - SPLICES EXCL				
JOINT NO	PLATE TYPE	WIDTH mm	LENGTH mm	CSI %
1	MiTopW	108	200	38
2	MiTopW	144	200	94
3	MiTopW	168	300	99
4	MiTopW	60	150	36
5	MiTopW	120	250	66
6	MiTopW	60	150	36
7	MiTopW	168	300	98
8	MiTopW	60	150	28
9	MiTopW	144	200	89
10	MiTopW	108	200	38
11	MiTopW	60	150	97
12	MiTopW	120	200	97
14	MiTopW	144	300	100
16	MiTopW	60	150	46
17	MiTopW	144	300	65
18	MiTopW	60	150	57
19	MiTopW	120	400	62
20	MiTopW	60	150	89

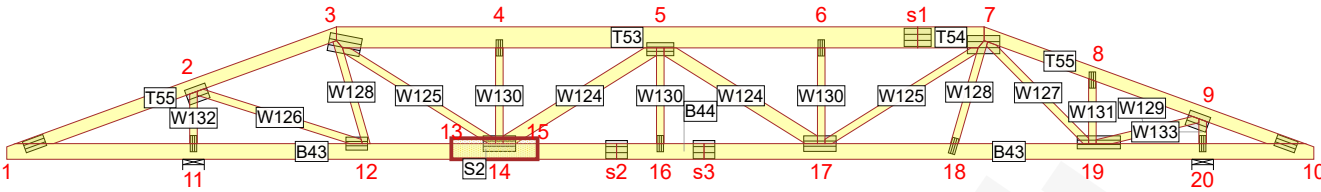
FASTENER LOCATION TOLERANCE: 8 mm

FASTENERS - SPLICES				
JOINT NO	PLATE TYPE	WIDTH mm	LENGTH mm	CSI %
s1	MiTopW	168	250	69
s2	MiTopW	168	200	95
s3	MiTopW	168	200	98

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	Customer:	Project no:
	Project name:	096921TTC_Paneel
	Project address:	Mark:
		V7
Designer	Page name:	Page no:
Supervisor		1/1
Main engineer		Scale:
Cert. no		1:80
		Date:
		15/04/2025
		Page no:

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2025.1c (f09b50f)



S2

Smooth nail 3.1 x 90

45 x 195 C24 - 799 mm

Single - back

2 no.

2 no.

2 no.

2 no.

S2

Square nail 2.8 x 75

45 x 195 C24 - 799 mm

Single - back

3 no.

3 no.

3 no.

3 no.

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	Project name:		Mark:	
	Project address:		Revision:	
	Page name:		Page no:	
Designer			1/1	
Supervisor			Scale:	
Main engineer			1:70	
Cert. no			Date:	Page no:
			15/04/2025	