

# Installation manual

## Log cabin MANHATTAN

Width 590 x Depth 570 cm

Log thickness 70 mm



The producer shall have the right to make technical changes to the product • Technische Änderungen vorbehalten • Le producteur réserve le droit d'effectuer des modifications techniques au produit • Il produttore mantiene il diritto di apportare modifiche tecniche al prodotto • Reservado el derecho a modificaciones técnicas • Produsent forbeholder seg retten til å endre tekniske egenskaper ved produktet • Alle rechten en technische wijzigingen voorbehouden • Výrobce si vyhrazuje právo na technické změny výrobku • Valmistaja pidättää oikeuden tehdä tuotteeseen teknisiä muutoksia • Tillverkaren har rätt att utföra tekniska förändringar för produkten

## 1 General information



Dear client,

We are glad that you have decided in favour of our garden house!

**Please read the assembly manual carefully before proceeding with the house installation!** You will thus avoid problems and will not waste time.

### Recommendations:

- Keep the house package until its complete assembly in a dry place, but not in direct contact with the ground, protected from weather conditions (moisture, the sun, etc.). Do not keep the house package in a heated room!
- When selecting the garden house location, make sure that the house will not be subjected to extreme weather conditions (areas of strong snowfall or winds); otherwise you should attach the house (for instance, with anchors) to the subsoil.



### Warranty

Your house is made from high quality fir and delivered in the natural (unprocessed) form. If, despite our thorough inspection, you should have complaints, please submit the filled out control sheet and purchase invoice to the product seller.

**ATTENTION: Please be sure to keep the documentation accompanying the house package! The control sheet includes the control number of the house. We can only review complaints if you submit the control number of the house to the seller!**

The warranty does not cover:

- Peculiarities of wood as a natural material
- Wooden details already painted (processed with a wood preservative)
- Wooden details containing whole branches that do not endanger the stability of the house
- Colour tone variations caused by wood structure differences that do not influence wood lifetime
- Wooden details containing (caused by drying) small cracks/gaps that do not pass through and do not influence the structure of the house
- Twisted wooden details if they can nevertheless be installed
- Roof and floor boards that may have on their concealed surfaces some non-planed areas, colour differences and waning
- Complaints resulting from an incompetent manner of the installation of the house or the house subsiding due to an incompetently made foundation
- Complaints caused by introducing self-initiative changes to the house, such as the deformation of wooden details and doors/windows due to an incompetent manner of wood processing; the attachment of storm braces too rigidly, doorframes being screwed onto wall logs, etc.

**The complaints covered by the warranty are satisfied to the extent of replacing the deficient/faulty material. All other demands will be excluded!**



## Garden house painting and maintenance

Wood is a natural material, growing and adapting depending on weather conditions. Large and small cracks, colour tone differences and changes, as well as a changing structure of wood are not errors, but a result of wood growing and a peculiarity of wood as a natural material.

Unprocessed wood (except for foundation joists) becomes greyish after having been left untouched for a while, and can be turn blue and become mouldy. To protect the wooden details of your garden house, you must immediately process them with a wood preservative.

We recommend that you cover the floor boards in advance with a colourless wood impregnation agent, especially the bottom sides of the boards, to which you will no longer have access when the house is assembled. Only this will prevent moisture penetration.

We definitely recommend that you also process the doors and windows with a wood impregnation agent, and do that namely both inside and outside! Otherwise the doors and windows can become twisted.

After the house assembly is completed, we recommend for the conclusive finishing a weather protection paint that will protect wood from moisture and UV radiation.

When painting, use high quality tools and paints, follow the paint application manual and manufacturer's safety and usage instructions. Never paint a surface in strong sunlight or rainy weather. Consult a specialist regarding paints suitable for unprocessed softwood and follow the paint manufacturer's instructions.

Having been properly painted, your garden house's lifetime will increase substantially. We recommend that you inspect the house thoroughly once every six months.

## 2 Preparation for assembly

### Tools and preparation of components

To assemble the garden house, you will need the following tools:



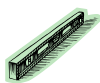
assembly aid



ladder



hammer



water-level



screwdriver



saw



knife



measuring tape



pliers

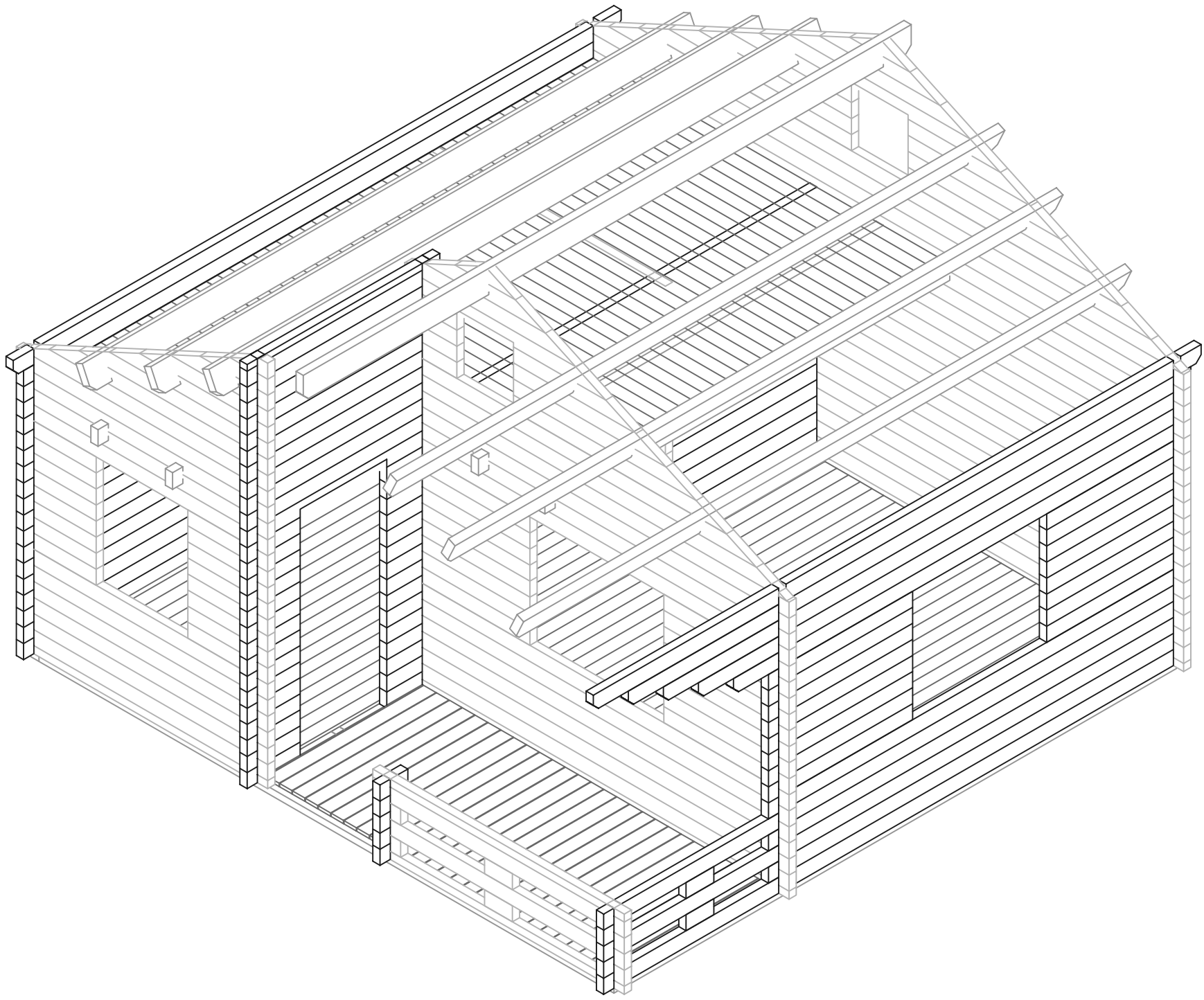


drill

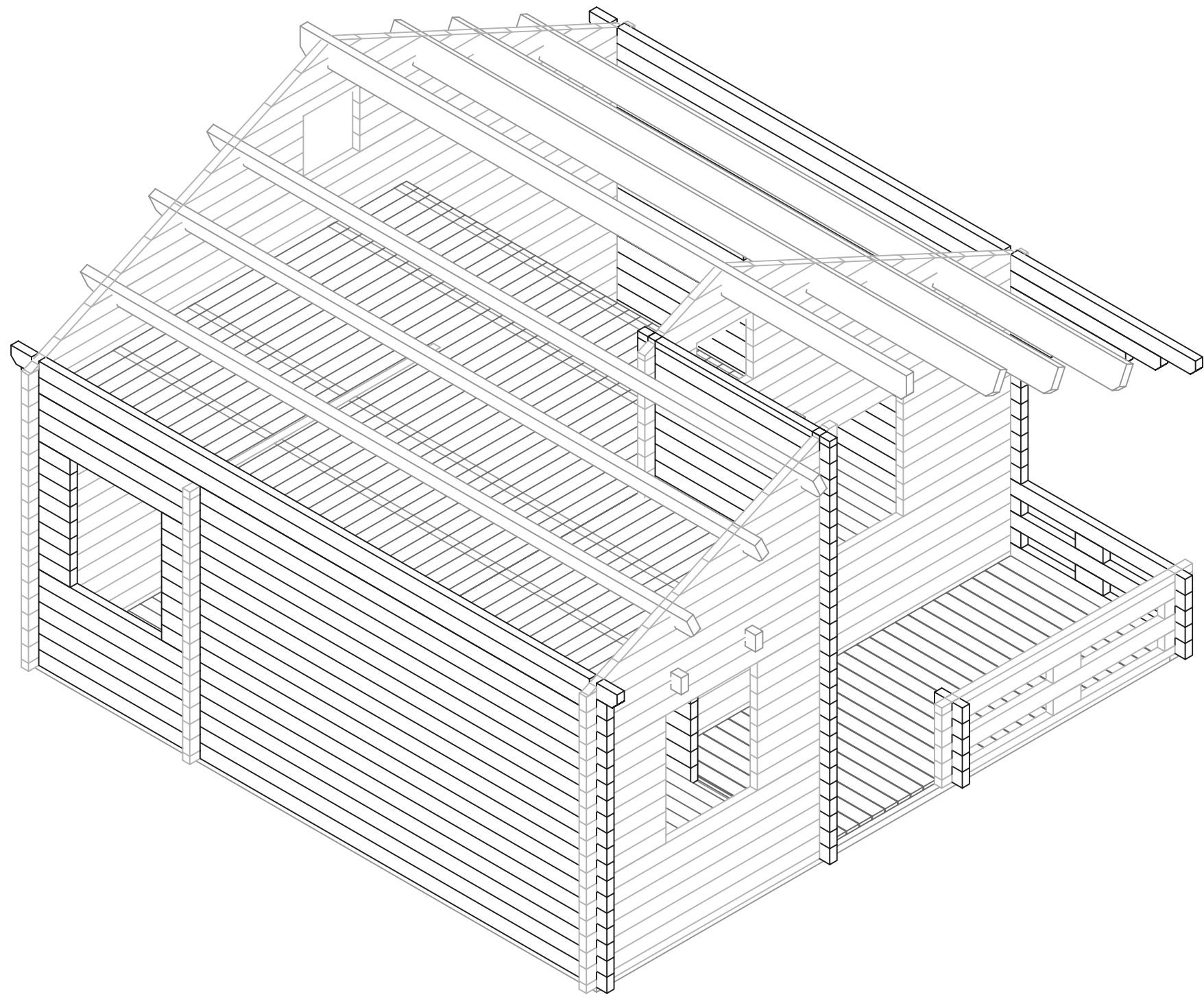
**ADVICE:** To avoid splinters, we recommend that you wear the corresponding protective gloves during the assembly process.

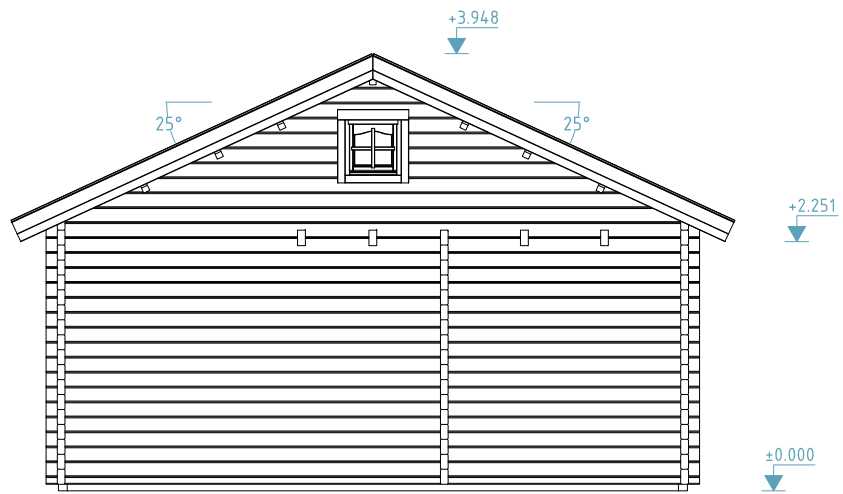
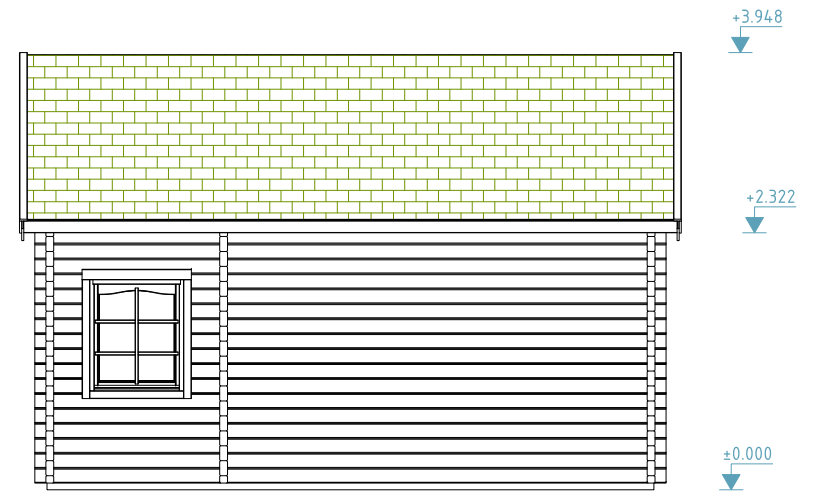
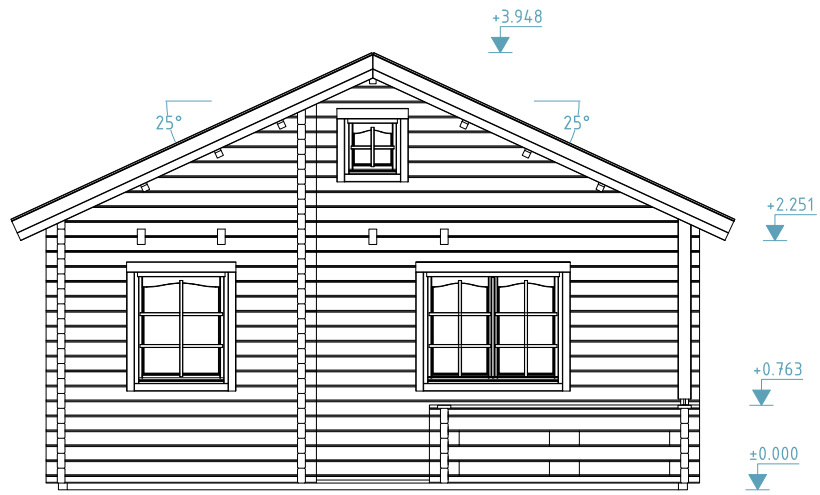


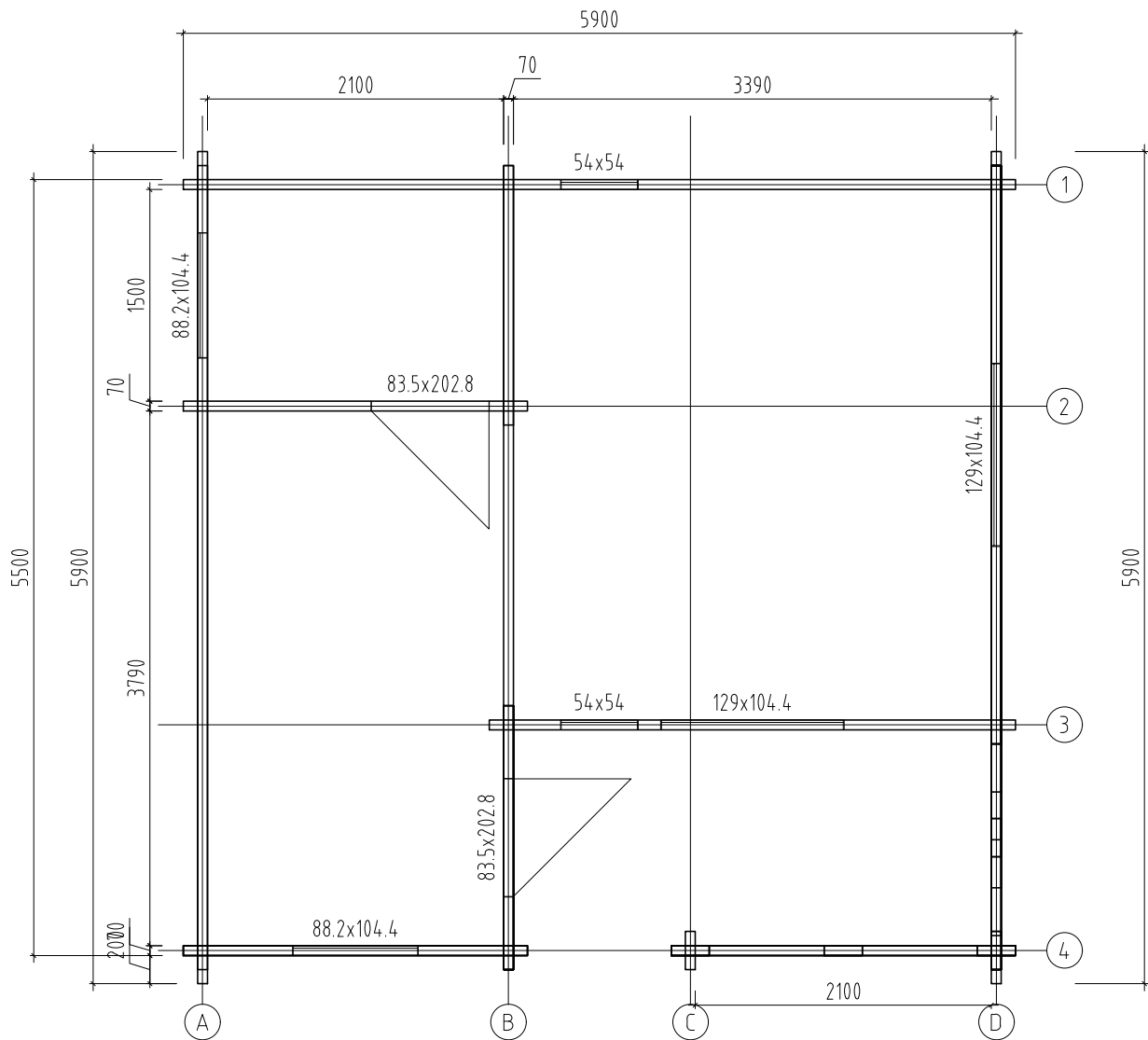
**We wish you total success with the garden house installation and much joy with this house for many years to come!**



23.07.2008 15:04:31







Object name  
-PM70-5957-

Drawing  
Plan

Scale 1:50

Paper A4

**Palmako**  
LEMEKS GROUP

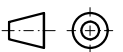
AS Palmako  
Näituse 25, Tartu 50409, Estonia  
tel. +372 73 55 530  
fax. +372 73 55 544  
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Customer Erimaja  
Drawn by Meelis Piirisalu

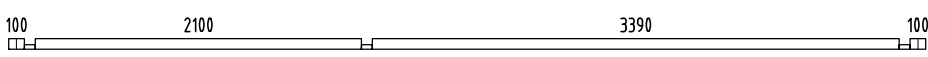
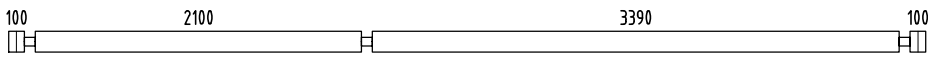
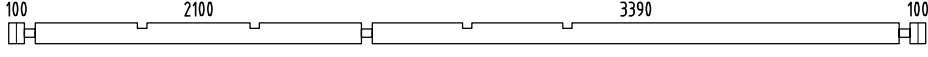

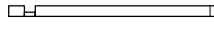

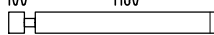

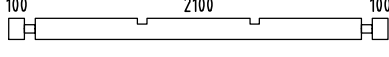
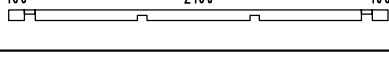
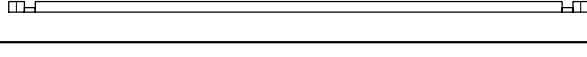
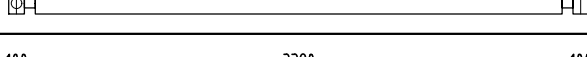
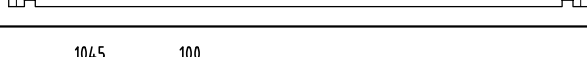
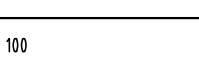
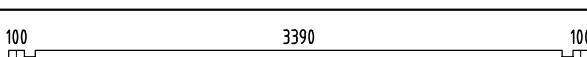
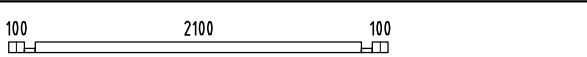
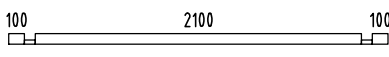
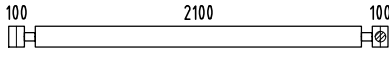



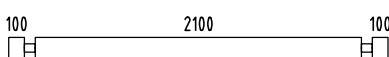
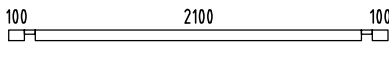

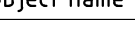
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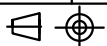
Date 26.05.2016

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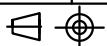
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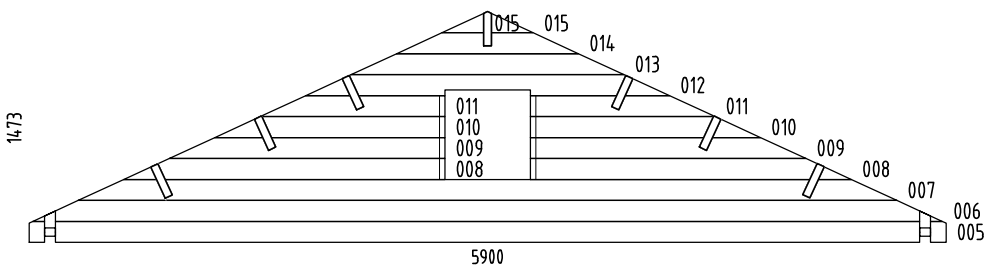
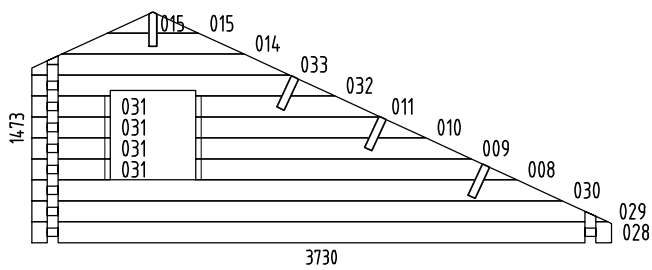
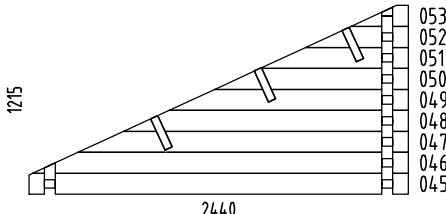



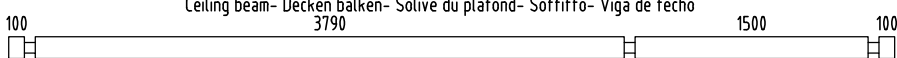
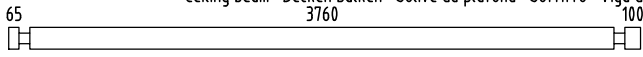


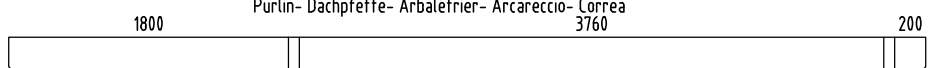
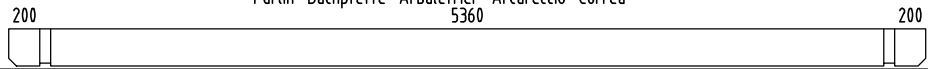
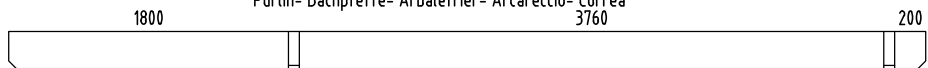




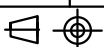
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002		15	70x135	5900
003		1	70x135	5900
004		1	70x135	5900
016		1	70x68	1330
017		1	70x68	270
018		15	70x135	1330
019		15	70x135	270
020		1	70x135	2440
021		1	70x68	2440
022		1	70x68	3730
023		1	70x135	3730
024		6	70x135	3730
025		16	70x135	1215
026		1	70x135	3730
027		1	70x135	3730
034		1	70x68	2440
035		1	70x68	2440
036		1	70x135	2440
037		10	70x135	270
038		4	70x135	270
039		6	70x135	2440
040		2	70x135	2440
041		1	70x68	2440
042		16	70x135	775



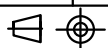





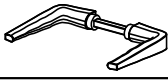


















Pos	SPECIFICATION-STÜCKLISTE-NOMENCLATURE-ELEMENTI-ESPECIFICACIÓN -PM70-5957-	Pcs	Profile (mm)	Length (mm)
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044		1	70x135	2440
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055		8	70x135	4335
056		8	70x135	475
057		1	70x135	5700
058		1	70x135	5900
059		30	70x135	515
060		15	70x135	1840
061		1	70x135	5700
062		1	70x135	5700
063		9	70x135	1870
064		1	70x56	1870
065		1	70x135	270
066		2	70x135	5700
067		3	70x135	4100
068		1	70x135	5700
069		16	70x135	1400
070		1	70x135	4440
071		1	70x135	4780
072		1	70x135	5120
073		1	70x135	5460
074		1	70x135	5900

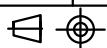


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W1-1		1		
W3-1		1		
W4-1		1		
AR3	Foundation- Fundament- Fondation- Fondazione- Vigas de cimentación 	10	80x60	5520
AR1	Foundation- Fundament- Fondation- Fondazione- Vigas de cimentación 	2	80x60	5480
AR2	Foundation- Fundament- Fondation- Fondazione- Vigas de cimentación 	2	80x60	692
LT1	Ceiling beam- Decken balken- Solive du plafond- Soffitto- Viga de techo 100  100	2	70x140	5700
LT2	Ceiling beam- Decken balken- Solive du plafond- Soffitto- Viga de techo 65  100	2	70x140	4065
SP1	Support brace- Stützeleiste- Baguette de support- Listello di supporto- Listón de soporte 	1	32x40	3785
SP2	Support brace- Stützeleiste- Baguette de support- Listello di supporto- Listón de soporte 	1	32x40	1495
PR3	Purlin- Dachpfette- Arbalétrier- Arcareccio- Correa 1800  200	3	60x240	5900
PR1	Purlin- Dachpfette- Arbalétrier- Arcareccio- Correa 200  200	3	60x240	5900
PR2	Purlin- Dachpfette- Arbalétrier- Arcareccio- Correa 1800  200	1	60x240	5900
FB3-1	Floor board- Fussbodenbrett- Madrier du plancher - Tavola pavimento- Tabla de suelo 	19	114x28	3784
FB3-2	Floor board- Fussbodenbrett- Madrier du plancher - Tavola pavimento- Tabla de suelo 	31	114x28	3754
FB3-3	Floor board- Fussbodenbrett- Madrier du plancher - Tavola pavimento- Tabla de suelo 	19	114x28	1494
TB2-1	Terrace board- Terrassenbrett- Madrier de terrace- Tavola terrazzo- Tabla de terraza 	28	120x28	1524
	Object name -PM70-5957-	Page 3/7		

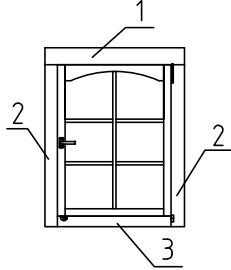
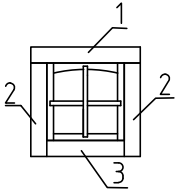
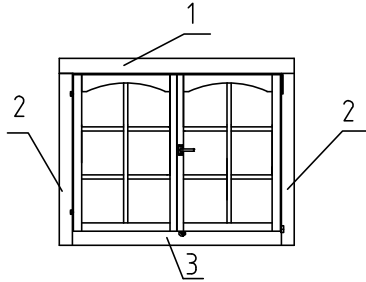
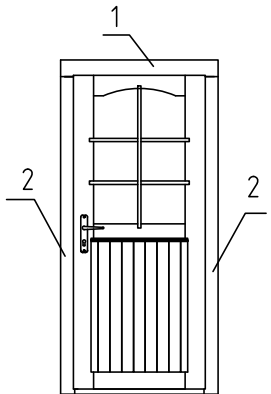
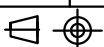
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TB2-2	Terrace board- Terrassenbrett- Madrier de terrace- Tavola terrazzo- Tabla de terraza	1	70x28	1020
RB2-1	Roof board- Dachbrett- Madrier du toit- Tavola tetto- Tabla de tejado	134	89x19	3550
FB3-1	Ceiling board- Dachbodenbrett- Madrier du Grenier- Tavola soffitta- Tabla de techo	33	114x28	3454
FB3-2	Ceiling board- Dachbodenbrett- Madrier du Grenier- Tavola soffitta- Tabla de techo	15	114x28	2094
FIB3-1	Floor beading- Fussbodenleiste- Baguette du plancher- Listello pavimento- Listón de suelo		19x45	57.43
CoB3-1	Covering board- Deckbrett- Madrier de couverture- Tavola di copertura- Listón de cubierta	3	19x70	3025
CoB11-1	Covering board- Deckbrett- Madrier de couverture- Tavola di copertura- Listón de cubierta	1	28x120	270
CoB11-2	Covering board- Deckbrett- Madrier de couverture- Tavola di copertura- Listón de cubierta	1	28x120	1600
CoB11-3	Covering board- Deckbrett- Madrier de couverture- Tavola di copertura- Listón de cubierta	1	28x120	2440
Dia-1	Diamond- Deckbrett- Madrier- Tavola di copertura- Rombo	2	19x140	300
EaE5-1	Eave edging- Dachrandbrett- Madrier en bordure du toit- Tavola bordo tetto- Tabla de valadizo	4	19x95	2950
FaB7-1	Facia board- Giebelblende- Écran frontal- Schermo frontone- Tabla de facia	8	19x120	3590
FaB6-1	Facia board- Giebelblende- Écran frontal- Schermo frontone- Tabla de facia	4	19x95	3590
LaD1-1	Ladder detail- Leiterteil- Détail d'échelle- Dettaglio di scala a pioli- Detalle de escalera de mano	7	44x140	750
LaDL-1	Ladder detail- Leiterteil- Détail d'échelle- Dettaglio di scala a pioli- Detalle de escalera de mano- L	1	44x140	2552
LaDR-1	Ladder detail- Leiterteil- Détail d'échelle- Dettaglio di scala a pioli- Detalle de escalera de mano- R	1	44x140	2552
Pos1-1	Post- Pfosten- Poteau- Montante- Poste 70x70	1	70x70	1670
RE2-1	Roof edge reinforcement- Dachrandleiste- Baguette en bordure du toit- Rinforzo bordo tetto- Refuerzo borde tejado	2	32x40	2900
RE2-2	Roof edge reinforcement- Dachrandleiste- Baguette en bordure du toit- Rinforzo bordo tetto- Refuerzo borde tejado	2	32x40	3000
Sla13-1	Slat- Leiste- Baguette- Listello- Listón	2	28x70	840
SuB2-1	Support brace- Stützleiste- Baguette de support- Listello di supporto- Listón de soporte 45x45	5	45x45	350
TP2-1	Tender post- Tenderleiste- T-poste- Rinforzo- Refuerzo	4	32x40	510
TP2-2	Tender post- Tenderleiste- T-poste- Rinforzo- Refuerzo	8	32x40	1030
TP2-3	Tender post- Tenderleiste- T-poste- Rinforzo- Refuerzo	2	32x40	1980
TP2-4	Tender post- Tenderleiste- T-poste- Rinforzo- Refuerzo	2	32x40	2050

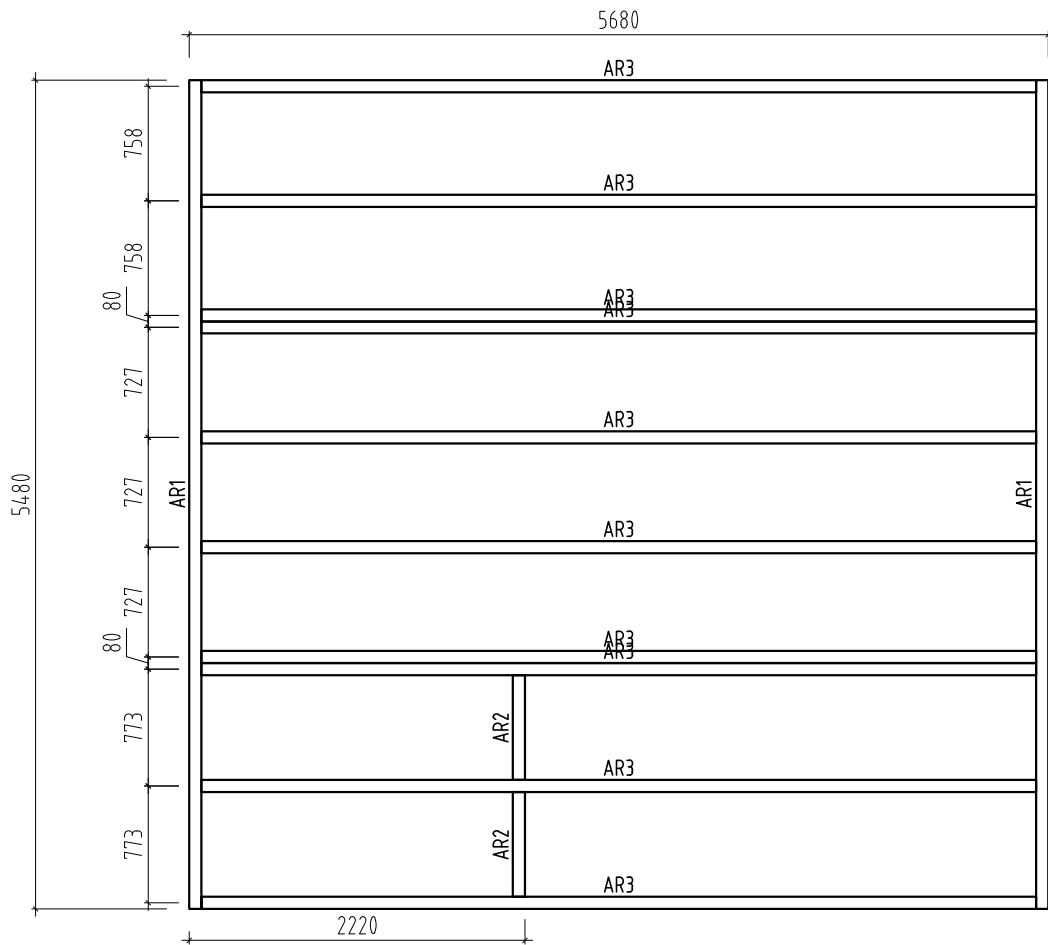


Pos	SPECIFICATION-STÜCKLISTE-NOMENCLATURE-ELEMENTI-ESPECIFICACIÓN -PM70-5957-	Pcs	Profile (mm)	Length (mm)
Fim	-Fixing kit- Befestigungsset- Moyens de fixation- Materiale di fissaggio- Kit de fijación		1	
QLP16	Adjustment bolt - Senkbolzen - Boulon de reglage - Bullone di regolamento- Perno de ajuste		1	
QPlas tikka te85mm	Covering cap - Abdeckkappe - Couvercle - Copertura- Cubierta		2	
QUlli nkKULD	Door fittings- Türbeschlag- Ferrure- Ferramenta porta- Manilla (puerta)-		2	
QMKR 6 3x 105kZn	Furniture screw- Innensechskantschraube- Vis Allen- Vite Allen- Tornillo Allen- 6.3x105mm		38	
QNU35 35130	L-iron- Winkel- Angle -Angolo- Angulo 35x35x130 EM VN353590		2	
QNU4 04040	L-iron- Winkel- Angle -Angolo- Angulo 40x40x40		4	
QNA1 4x40M	Nail- Nagel- Clou- Chiodo- Clavo- 1.4x40mm		110	
QNA2 2x50Zn	Nail- Nagel- Clou- Chiodo- Clavo- 2.5x50mm		800	
QNA3 x70ZN	Nail- Nagel- Clou- Chiodo- Clavo- 3x70mm		900	
QKR3 5x40ZN	Screw- Schraube- Vis- Vite- Tornillo- 3.5x40mm		250	
QKR4 5x50ZN	Screw- Schraube- Vis- Vite- Tornillo- 4.5x50mm		300	
QKR4 5x70ZN	Screw- Schraube- Vis- Vite- Tornillo- 4.5x70mm		30	
QKR5 x90ZN	Screw- Schraube- Vis- Vite- Tornillo- 5x90mm		30	
QKR6x 120ZN	Screw- Schraube- Vis- Vite- Tornillo- 6x120mm		30	
KL1	Threaded rod- Gewindestangen- Barre fileté- Asta filettata- Varilla roscada M10		6	2000
KL2	Threaded rod- Gewindestangen- Barre fileté- Asta filettata- Varilla roscada M10		2	1480
KL3	Threaded rod- Gewindestangen- Barre fileté- Asta filettata- Varilla roscada M10		4	560
	Nut- Schraubenmutter- Écrou- Dado- Tuerca- M10mm		6	
	Washer- Dichtscheibe- Joint- Rondella- Arandela- 10x30mm		6	
	Extension nut- Verlängerungsmutter- Écrou rallonge- Dado di prolunga- Tuerca de extensión- JM10		6	
	Captive nut- Einschlagmutter- Écrou a griffes- Dado a ragno filettatura- Tuerca arana- LM10		6	

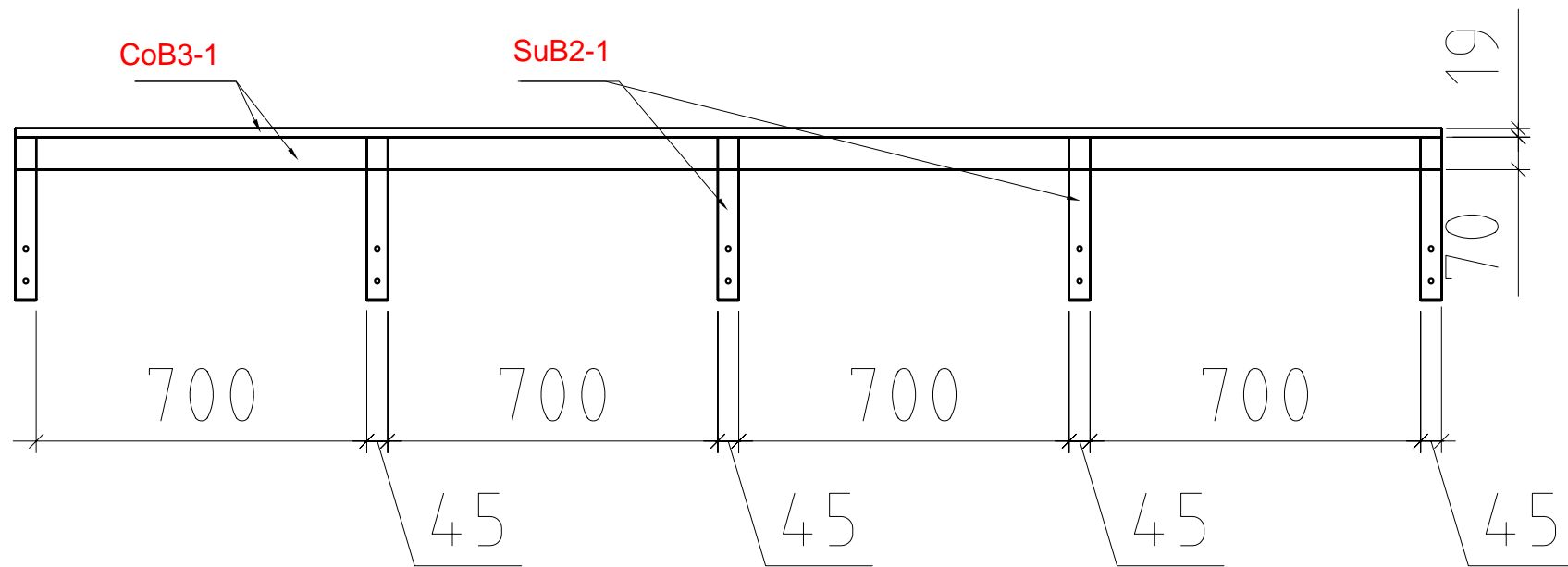
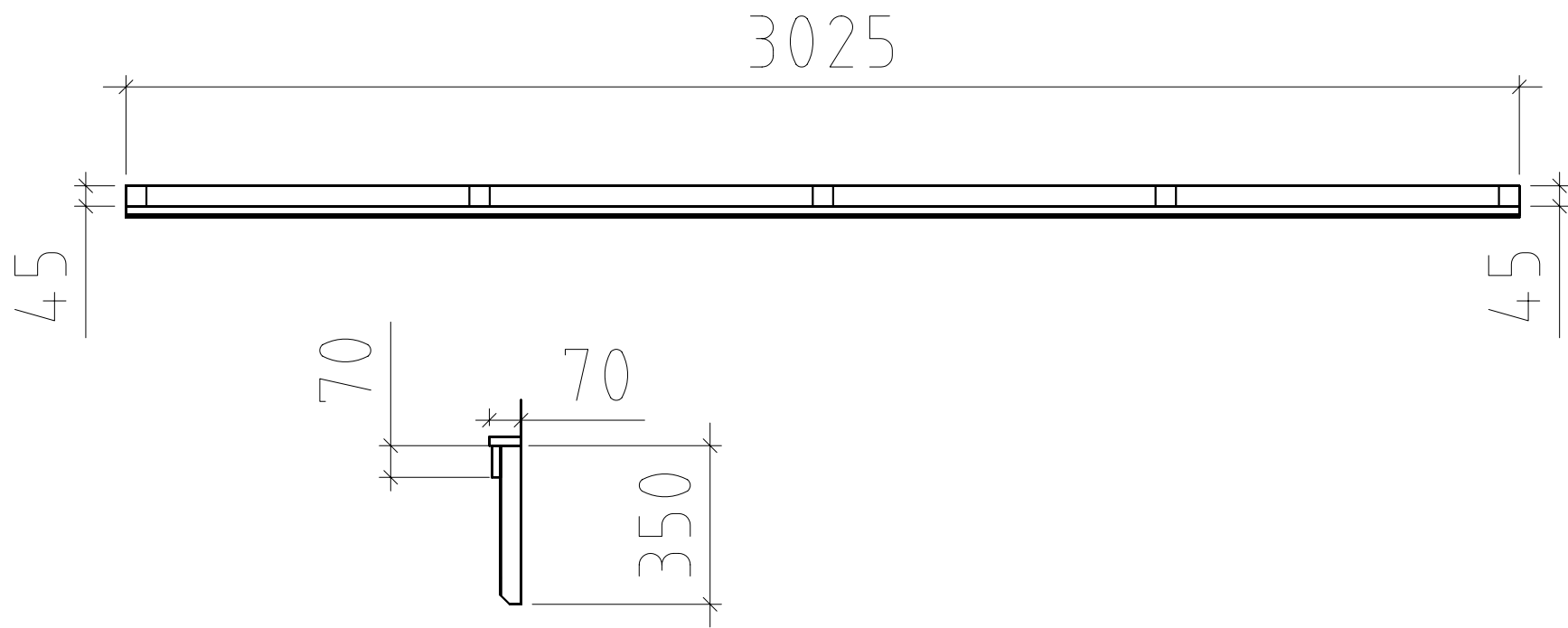




Pos	SPECIFICATION-STÜCKLISTE-NOMENCLATURE-ELEMENTI-ESPECIFICACIÓN -PM70-5957-	Pcs	Profile (mm)	Length (mm)
A-701R	<p>Window - Fenster - Fenetre - Finestra-Ventana 882x1044</p> <p>A-701R Window 882x1044x72 mm</p>  <p>Side slat - Randleiste Baguette en bordure - Listello bordo</p> <p>1. 19x95x1005 mm      2 pcs 2. 19x70x1060 mm      4 pcs 3. 19x70x850 mm      2 pcs</p>	2		
A-704	<p>Window - Fenster - Fenetre - Finestra-Ventana 540x540</p> <p>A-704 Window 540x540x72 mm</p>  <p>Side slat - Randleiste Baguette en bordure - Listello bordo</p> <p>1. 19x95x795 mm      2 pcs 2. 19x70x795 mm      4 pcs 3. 19x70x505 mm      2 pcs</p>	2		
TA-702	<p>Window - Fenster - Fenetre - Finestra-Ventana 1290x1044</p> <p>TA-702 Window 1290x1044x72 mm</p>  <p>Side slat - Randleiste Baguette en bordure - Listello bordo</p> <p>1. 19x95x1550 mm      2 pcs 2. 19x70x1060 mm      4 pcs 3. 19x70x1250 mm      2 pcs</p>	2		
U-714R	<p>Door - Tür - Porte - Porta-Puerta 835x2028</p> <p>U-714R Door 835x2028x72 mm</p>  <p>Side slat - Randleiste Baguette en bordure - Listello bordo</p> <p>1. 19x95x1085 mm      2 pcs 2. 19x70x2025 mm      4 pcs</p>	1		
			Object name -PM70-5957-	
			Page	7/7

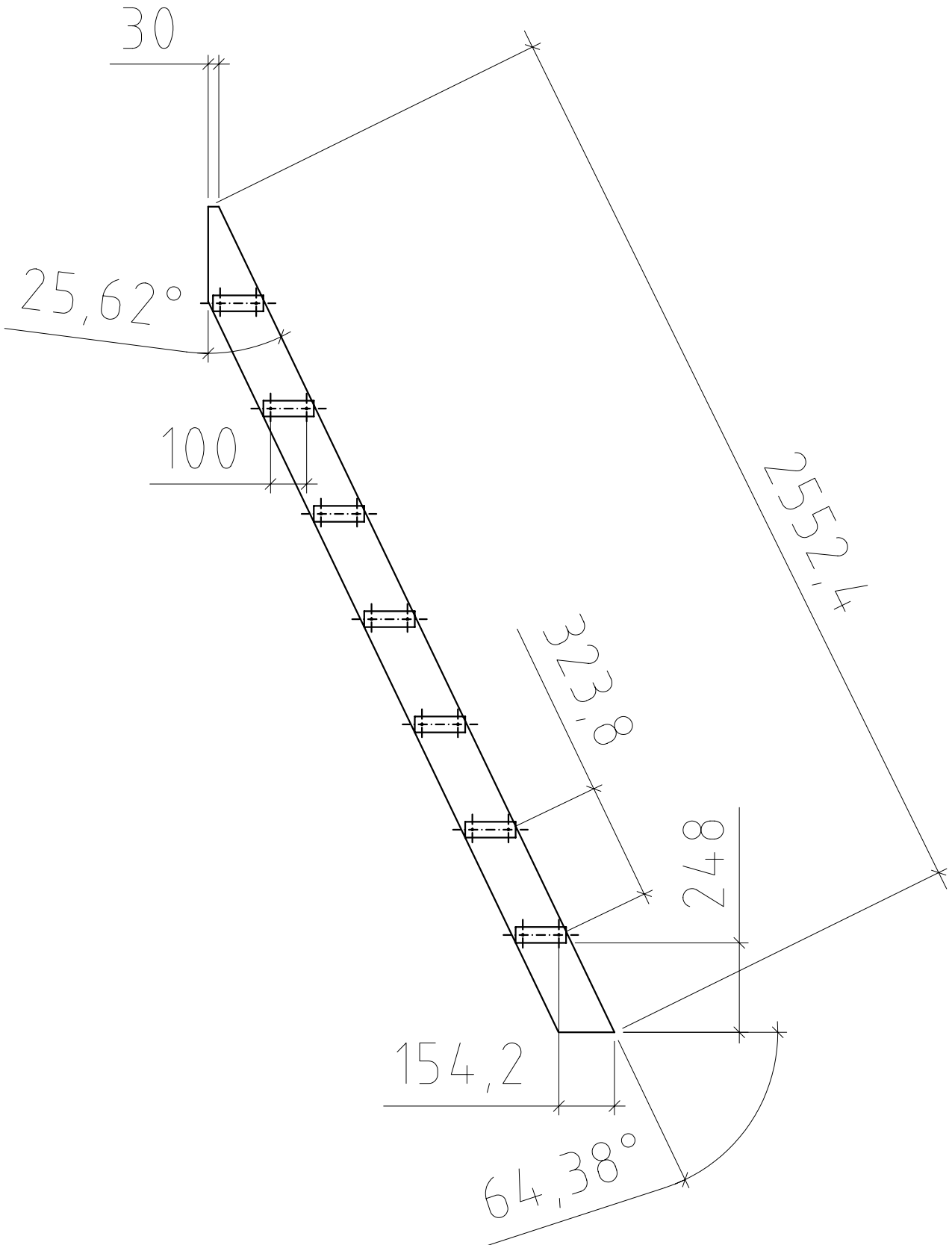


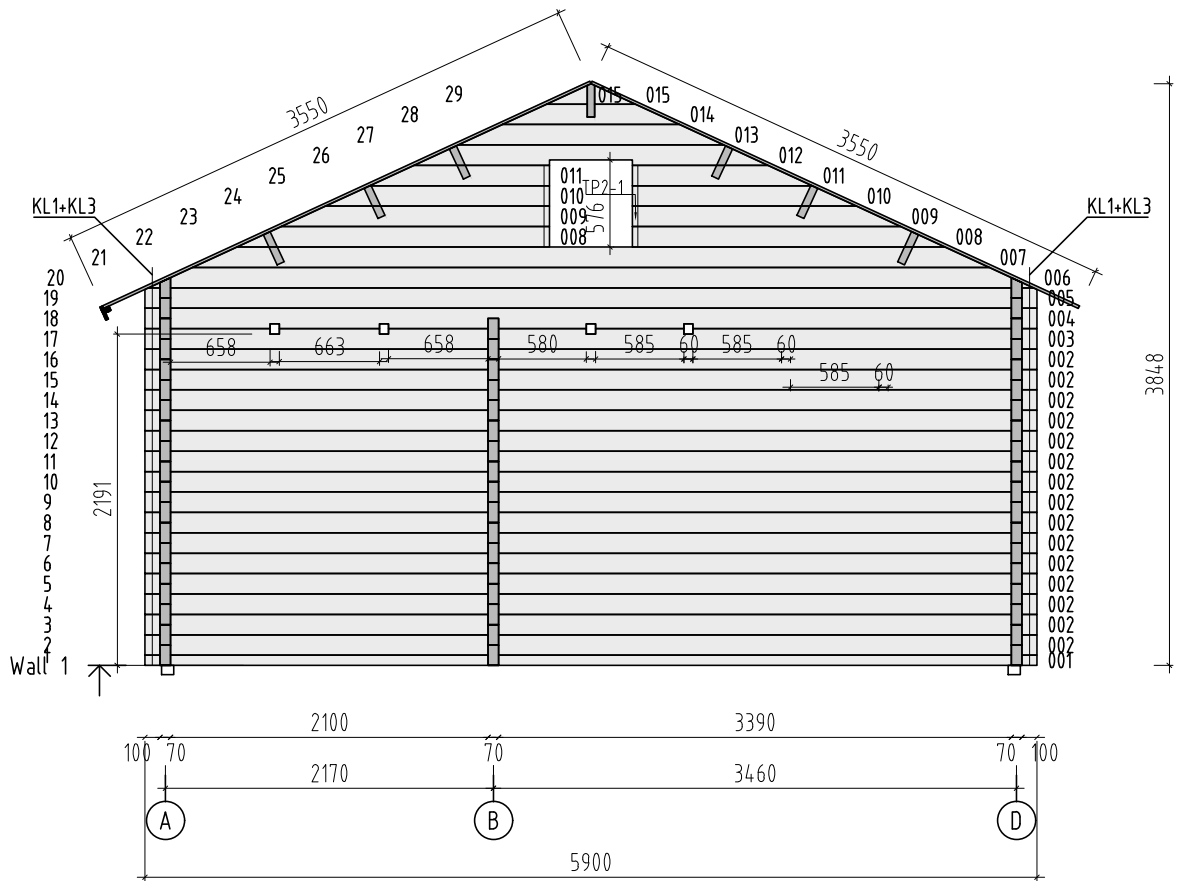
Object name -PM70-5957-	Drawing Plan		Scale 1:50
			Paper A4
<b>Palmako</b> <small>AS Palmako</small> <small>Näituse 25, Tartu 50409, Estonia</small> <small>tel. +372 73 55 530</small> <small>fax. +372 73 55 544</small> <small>www.palmako.com</small>	Customer Erimaja	Log 70x135	 
	Drawn by Meelis Piirisalu		
	Date 26.05.2016	File PM70-5957.dwg	Page 1





# Leiter





Object name  
-PM70-5957-

Drawing  
WALL 1

Scale  
1:50

Paper  
A4

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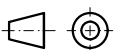
Customer  
Erimaja

Drawn by  
Meelis Piirisalu

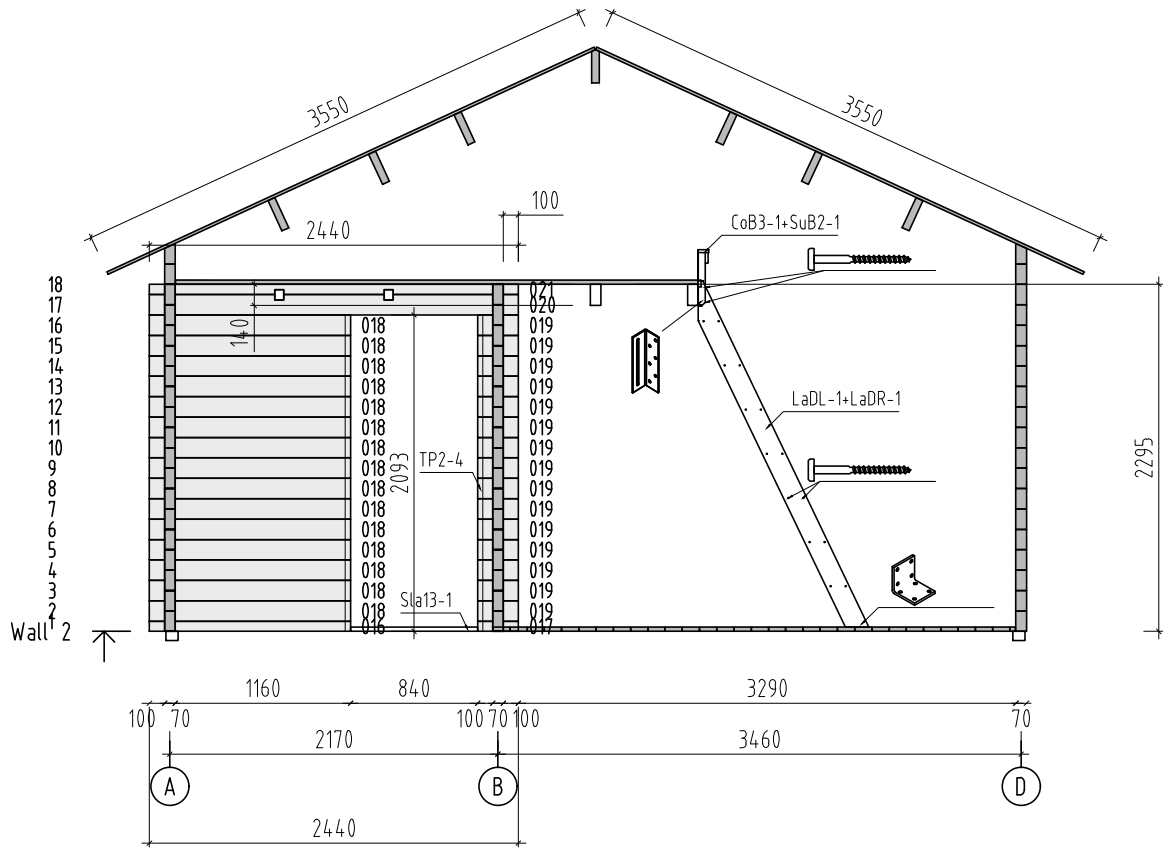
Log  
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Date  
26.05.2016

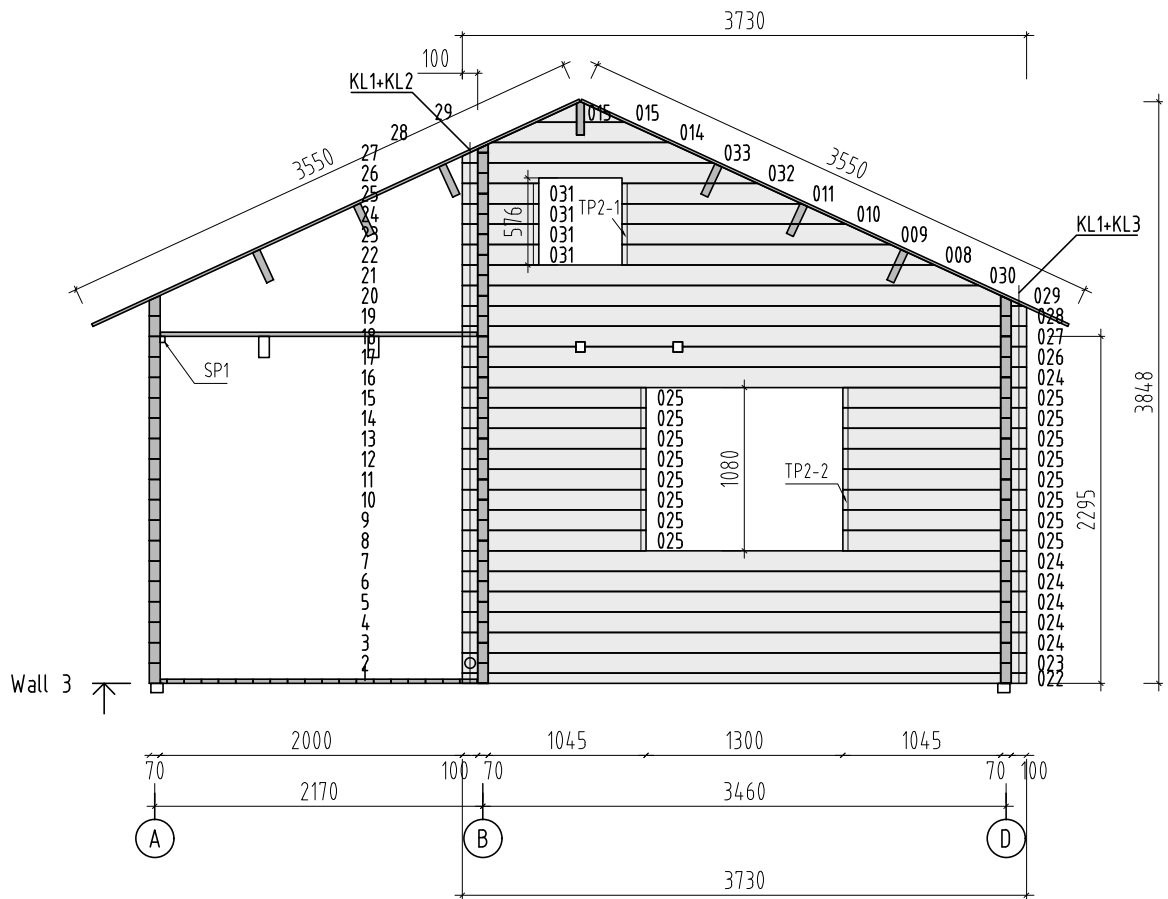
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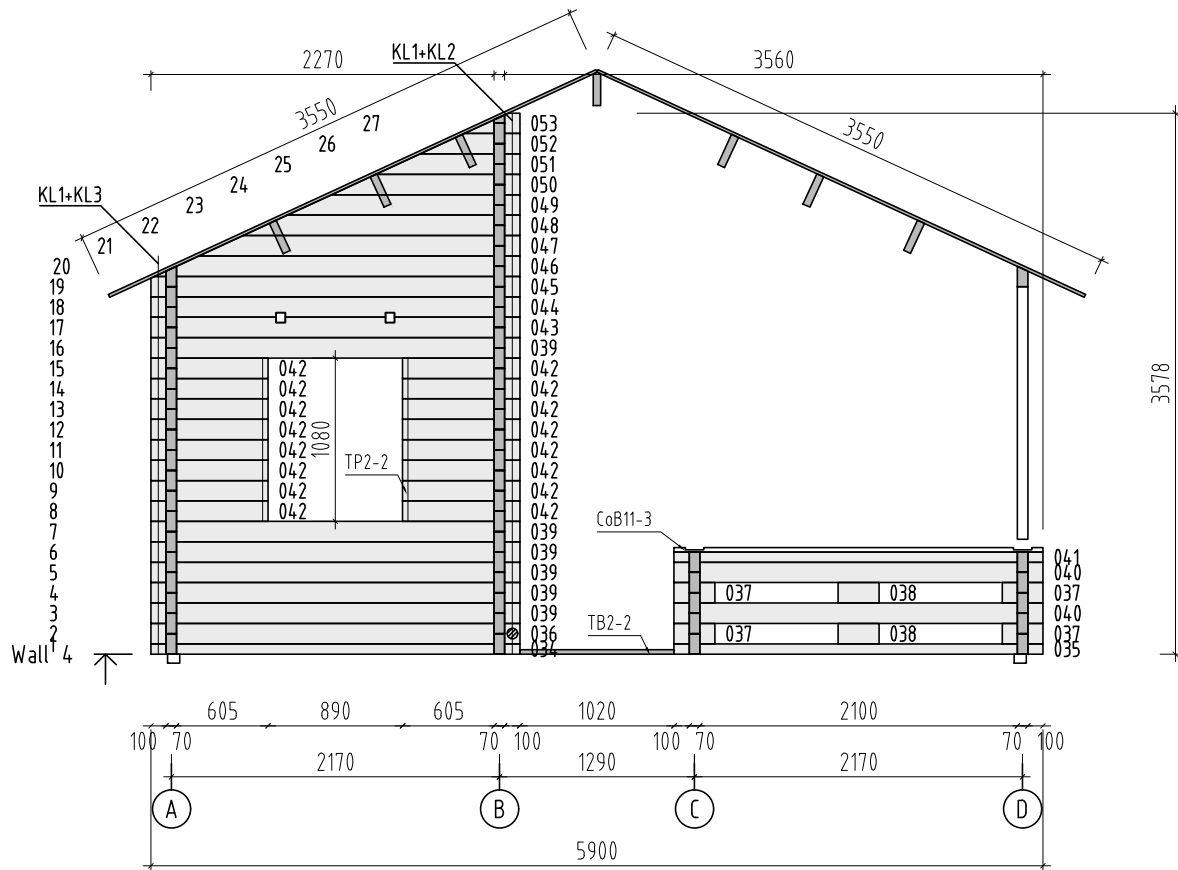
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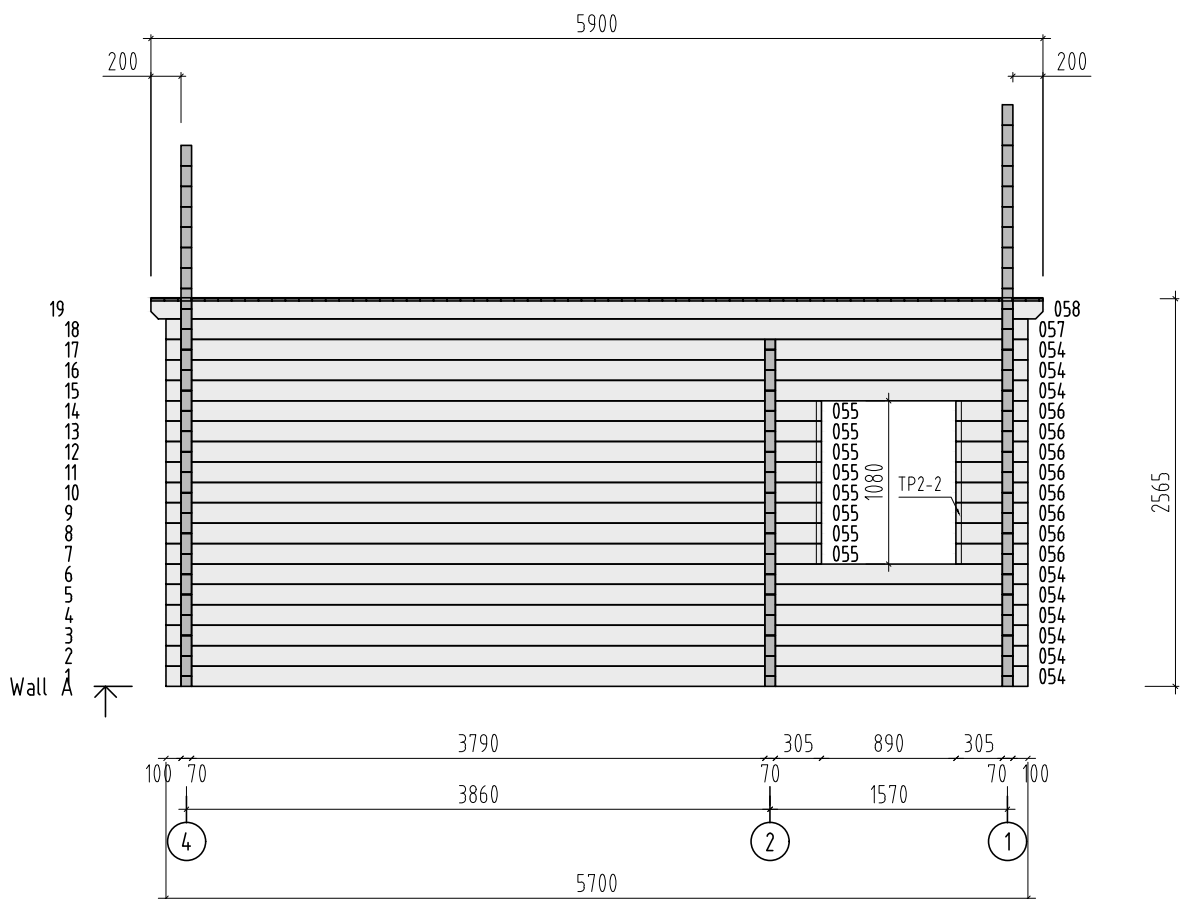
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			Paper <b>A4</b>
<b>Palmako</b> <small>AS Palmako  Näituse 25, Tartu 50409, Estonia  tel. +372 73 55 530  fax. +372 73 55 544  www.palmako.com</small>	Customer Erimaja	Log 70x135	
	Drawn by Meelis Piirisalu		
	Date 26.05.2016	File PM70-5957.dwg	Page <b>7</b>



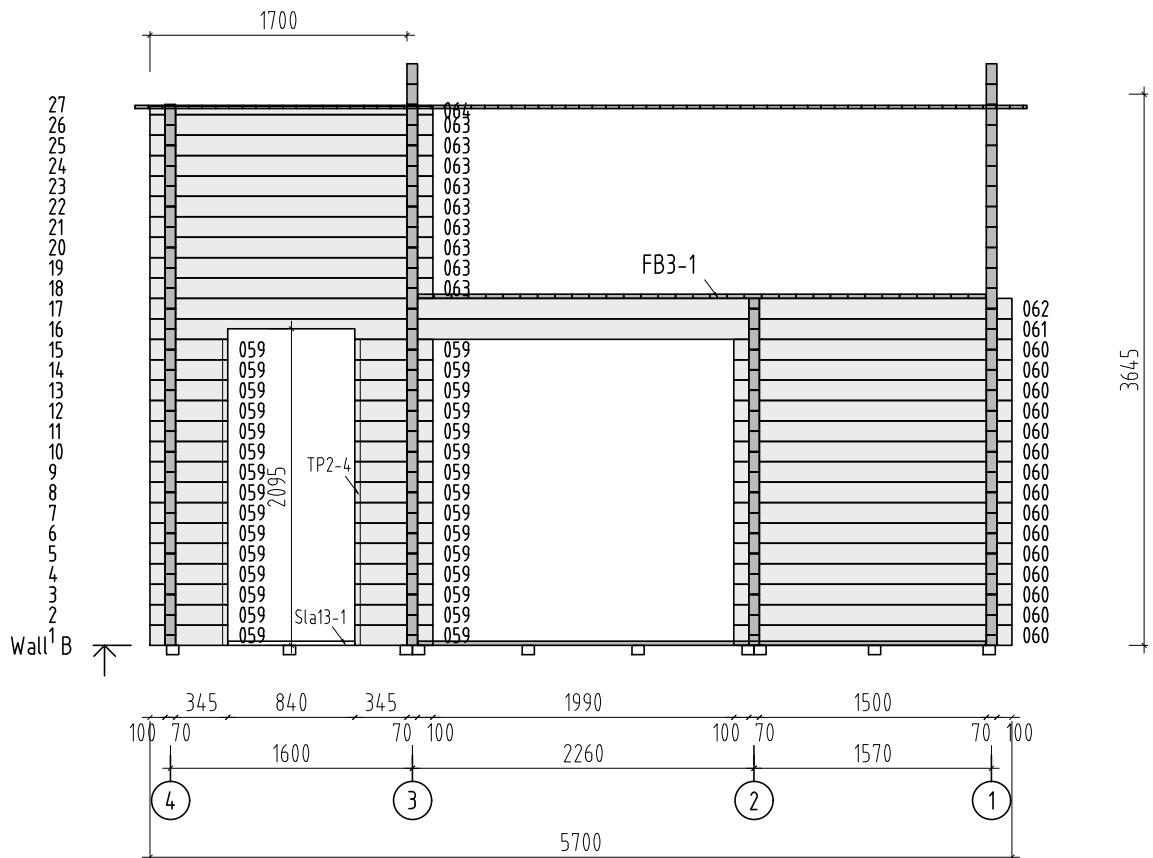
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			Paper <b>A4</b>
<b>Palmako</b> <small>AS Palmako  Näituse 25, Tartu 50409, Estonia  tel. +372 73 55 530  fax. +372 73 55 544  www.palmako.com</small>	Customer Erimaja	Log 70x135	
	Drawn by Meelis Piirisalu		
	Date 26.05.2016	File PM70-5957.dwg	Page <b>8</b>



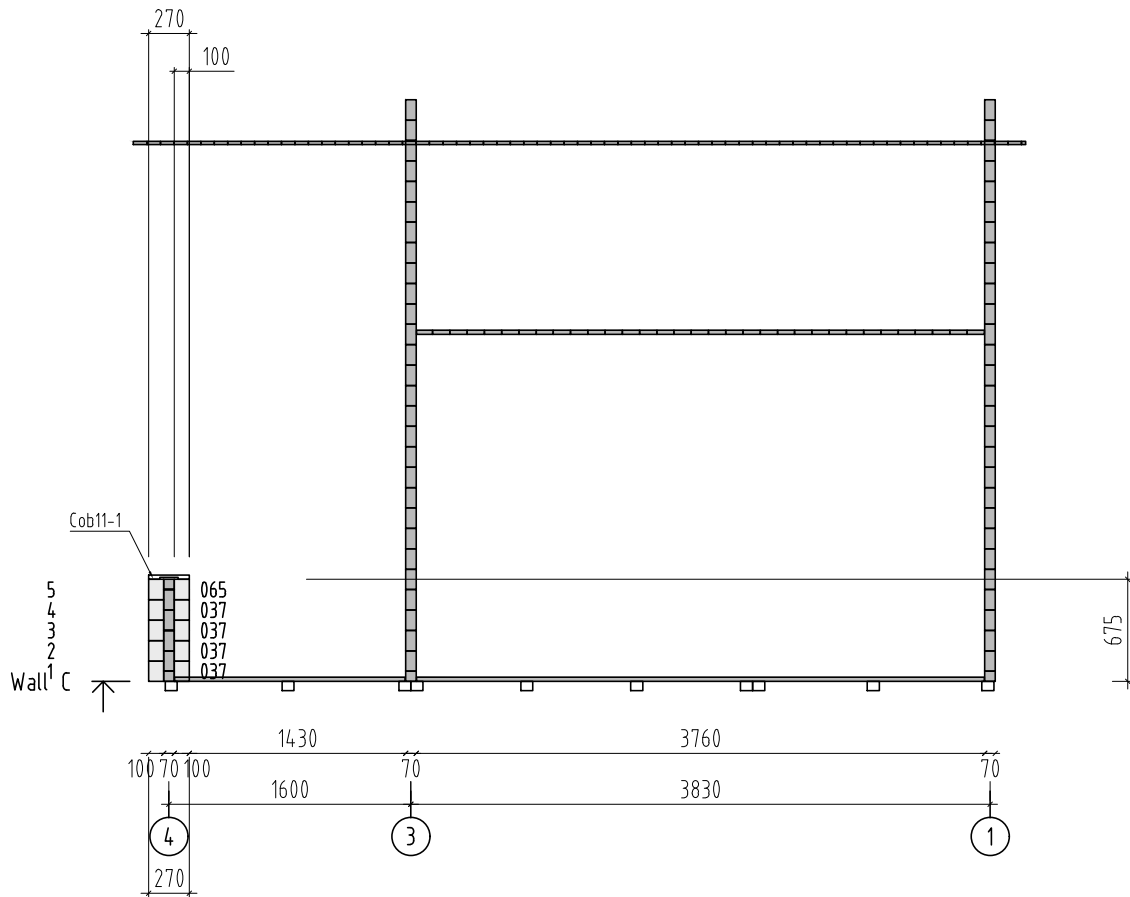
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			Paper <b>A4</b>
<b>Palmako</b> <small>AS Palmako  Näituse 25, Tartu 50409, Estonia  tel. +372 73 55 530  fax. +372 73 55 544  www.palmako.com</small>	Customer Erimaja	Log 70x135	
	Drawn by Meelis Piirisalu		
	Date 26.05.2016	File PM70-5957.dwg	
			Page <b>9</b>



Object name <b>-PM70-5957-</b>	Drawing <b>WALL A</b>		Scale <b>1:50</b>
			Paper <b>A4</b>
<b>Palmako</b> <small>AS Palmako          Näituse 25, Tartu 50409, Estonia          tel. +372 73 55 530          fax. +372 73 55 544          www.palmako.com</small>	Customer Erimaja	Log 70x135	
	Drawn by Meelis Piirisalu		
	Date 26.05.2016	File PM70-5957.dwg	Page <b>2</b>



Object name <b>-PM70-5957-</b>	Drawing <b>WALL B</b>		Scale <b>1:50</b>
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<b>Palmako</b> <small>AS Palmako  Näituse 25, Tartu 50409, Estonia  tel. +372 73 55 530  fax. +372 73 55 544  www.palmako.com</small>	Customer Erimaja	Log 70x135	
	Drawn by Meelis Piirisalu		
	Date 26.05.2016	File PM70-5957.dwg	Page <b>3</b>



Object name  
-PM70-5957-

Drawing  
WALL C

Scale 1:50

Paper A4

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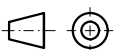
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Drawn by Meelis Piirisalu

Log 70x135

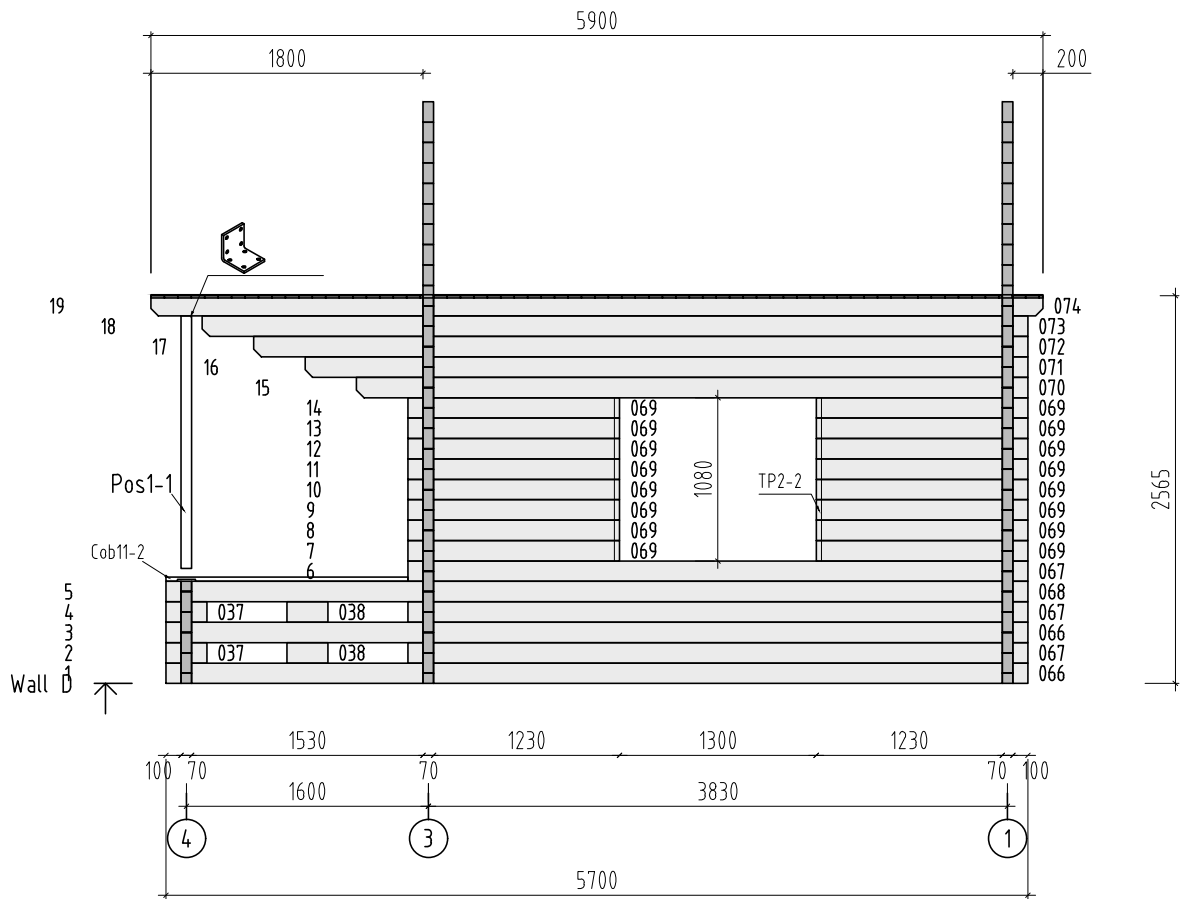
Date 26.05.2016

File PM70-5957.dwg



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Object name <b>-PM70-5957-</b>	Drawing <b>WALL D</b>		Scale <b>1:50</b>
			Paper <b>A4</b>
<b>Palmako</b> <small>AS Palmako          Näituse 25, Tartu 50409, Estonia          tel. +372 73 55 530          fax. +372 73 55 544          www.palmako.com</small>	Customer Erimaja	Log 70x135	
	Drawn by Meelis Piirisalu		
	Date 26.05.2016	File PM70-5957.dwg	Page <b>5</b>