

ALUJOINT® PATENTED CONCEPT OF WALL ASSEMBLY



AL 7.01



AL 7.03



AL 7.05



AL 8.09

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NEDERLANDS: UITTREKSEL

AL 1.4

Deze uitvinding betreft een wandsamenstel (1) voor het opbouwen van een wandelement (14), waarbij de cumulatie van de krimphoogtes van de verschillende balken tot een grote krimp per wandelement (14) wordt vermeden, omvattende:

- twee profielen (3), die zich in gemonteerde toestand van het wandelement (14) hoofdzakelijk verticaal uitstrekken
- twee balken (2), die in gemonteerde toestand van het wandelement (14) boven elkaar gestapeld zijn, die zich hoofdzakelijk horizontaal uitstrekken tussen de twee profielen (3) en die aan elk uiteinde een positioneeruiteinde (6) omvatten dat een kleinere hoogte heeft dan de respectievelijke balk (2)
- per twee balken (2) twee positioneerelementen (4) die aan een profiel (3) bevestigbaar zijn zodanig dat elk positioneringselement (4) zich in gemonteerde toestand van het wandelement (14) hoofdzakelijk tussen de positioneeruiteinden (6) van twee boven elkaar gestapelde balken (2) uitstrekt en de bovenste van deze boven elkaar gestapelde balken (2) op dit positioneringselement steunt.



FRANCAIS: ABRÉGÉ

AL 1.6

La présente invention concerne un assemblage de mur (1) pour la construction d'un élément de paroi (14), dans lequel l'accumulation de hauteurs de retrait des différents faisceaux pour former un rétrécissement important pour chaque élément de paroi (14) et évité, comprenant :

- deux profils (3), qui à l'état monté de l'élément de paroi (14) s'étendent sensiblement verticalement
- deux poutres (2), qui à l'état monté de l'élément de paroi (14) sont empilés l'un au-dessus de l'autre et s'étendent sensiblement horizontalement entre les deux profils (3) et qui ont à chaque extrémité une extrémité de positionnement (6) qui a une hauteur inférieure à celle du faisceau (2) respectif
- deux éléments de positionnement (4) pour tous les deux poutres (2) qui peuvent être fixés à une fiche (3) de telle sorte que chaque élément de positionnement (4) à l'état monté de l'élément de paroi (14) s'étend sensiblement entre les extrémités de positionnement (6) des deux poutres (2) empilées l'une sur l'autre et l'un supérieure de ces poutres (2) empilées l'une au-dessus de l'autre est en appui sur cet élément de positionnement (4).



DEUTSCH: ZUSAMMENFASSUNG

AL 1.8

Die Erfindung betrifft eine Wandanordnung (1) für den Aufbau eines Wandelements (14), wobei die Anhäufung von Schrumpfung Höhen der einzelnen Strahlen, um eine große Schrumpfung für jedes Wandelement bilden (14) vermieden wird, umfassend :

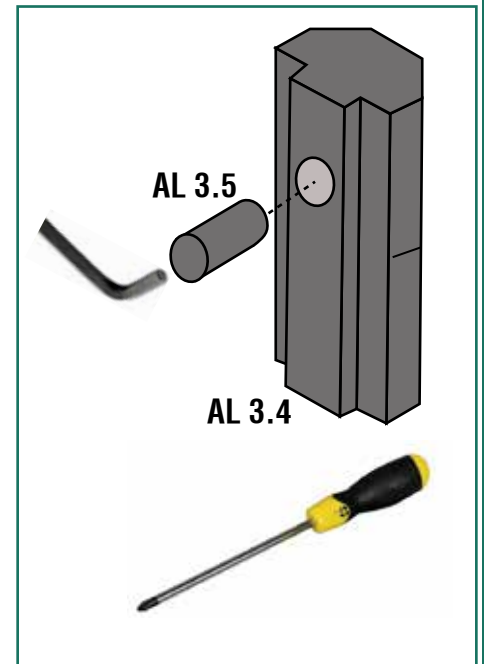
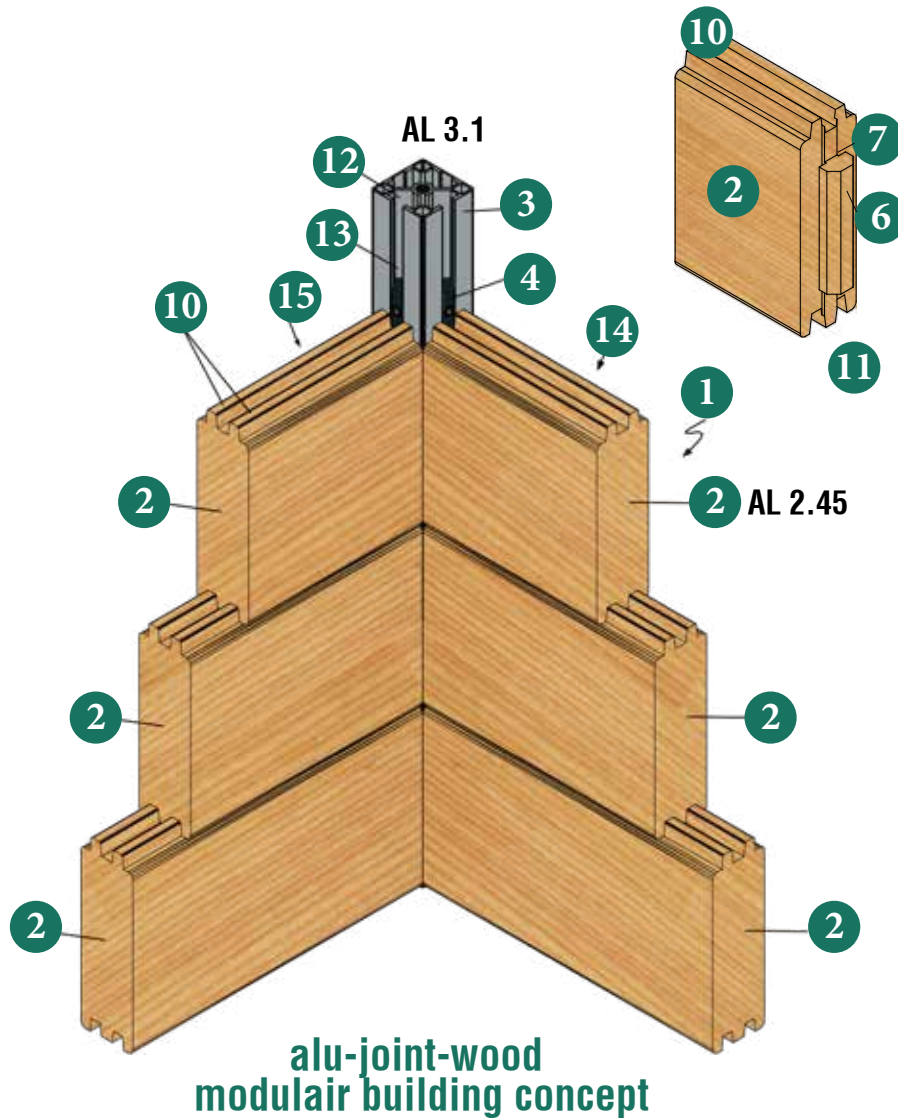
- zwei Profile (3), die im montierten Zustand des Wandelements (14) sich im wesentlichen vertikal
- zwei Träger (2), die im montierten Zustand dem Wandelement (14) gestapelt sind, eine über der anderen und sich im Wesentlichen horizontal zwischen den beiden Profilen (3) und die an jedem Ende eine Positionierungs Ende haben(6) dass eine geringere Höhe als die jeweiligen Strahl (2)
- zwei Positionierungselemente (4) für jeweils zwei Träger (2), die an einem Profil befestigt werden kann (3), so dass jedes Positionierungselement (4) im montierten Zustand des Wandelements (14) sich im Wesentlichen zwischen den Stellenden (6) von zwei Trägern (2) aufeinander gestapelt der anderen und die obere dieser Balken (2) aufeinander gestapelt der andere auf diesem Positionierelement (4) unterstützt.



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AL 1.10

PATENT: WALL ASSEMBLY FOR WOODEN STRUCTURES



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ENGLISH: Abstract

AL 1.2

This invention concerns a wall assembly (1) for the construction of a wall element (14), wherein accumulation of the shrinkage heights of the different beams to form a major shrinkage for every wall element (14) is avoided, comprising:

- two profiles (3), which in the mounted state of the wall element (14) extend substantially vertically
- two beams (2), which in the mounted state of the wall element (14) are stacked one on top of the other and extend substantially horizontally between the two profiles (3) and that have at each end a positioning end (6) that has a smaller height than the respective beam (2)
- two positioning elements (4) for every two beams (2) that can be secured to a profile (3) such that each positioning element (4) in the mounted state of the wall element (14) extends substantially between the positioning ends (6) of two beams (2) stacked one on top of the other and the upper one of these beams (2) stacked one on top of the other is supported on this positioning element (4).



CONSULTANT PATENT LANGUAGE STRUCTURE
MR DEMEESTER GABRIËL

WITH RESPECT FOR NATURE

AL 1.2

The
United
States
of
America



The Director of the United States Patent and Trademark Office

Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

United States Patent

Grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America, and if the invention is a process, of the right to exclude others from using, offering for sale or selling throughout the United States of America, or importing into the United States of America, products made by that process, for the term set forth in 35 U.S.C. 154(a)(2) or (c)(1), subject to the payment of maintenance fees as provided by 35 U.S.C. 41(b). See the Maintenance Fee Notice on the inside of the cover.

Michelle K. Lee

Deputy Director of the United States Patent and Trademark Office

PATENT: WALL ASSEMBLY FOR WOODEN STRUCTURES

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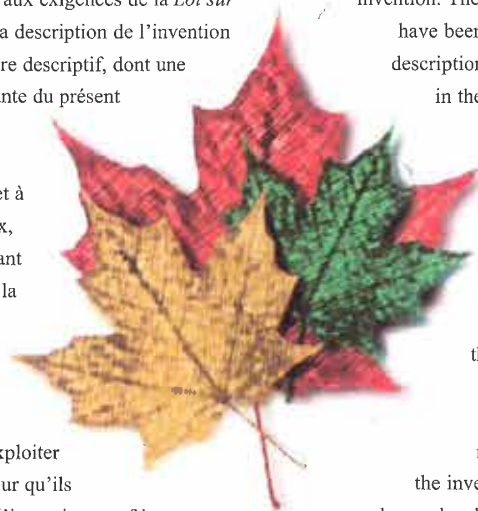
Canadian
Intellectual Property
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Brevet canadien / Canadian Patent

★ Le commissaire aux brevets a reçu une demande de délivrance de brevet visant une invention. Ladite requête satisfait aux exigences de la *Loi sur les brevets*. Le titre et la description de l'invention figurent dans le mémoire descriptif, dont une copie fait partie intégrante du présent document.

Le présent brevet confère à son titulaire et à ses représentants légaux, pour une période expirant vingt ans à compter de la date du dépôt de la demande au Canada, le droit, la faculté et le privilège exclusif de fabriquer, construire, exploiter et vendre à d'autres, pour qu'ils l'exploitent, l'objet de l'invention, sauf jugement en l'espèce rendu par un tribunal compétent, et sous réserve du paiement des taxes périodiques.



★ The Commissioner of Patents has received a petition for the grant of a patent for an invention. The requirements of the *Patent Act* have been complied with. The title and a description of the invention are contained in the specification, a copy of which forms an integral part of this document.

The present patent grants to its owner and to the legal representatives of its owner, for a term which expires twenty years from the filing date of the application in Canada, the exclusive right, privilege and liberty of making, constructing and using the invention and selling it to others to be used, subject to adjudication before any court of competent jurisdiction, and subject to the payment of maintenance fees.

B R E V E T C A N A D I E N

2,816,951

C A N A D I A N P A T E N T

Date à laquelle le brevet a été
accordé et délivré

2016/01/26

Date on which the patent
was granted and issued

Date du dépôt de la demande

2011/12/09

Filing date of the application

Date à laquelle la demande est
devenue accessible au public
pour consultation

2012/06/21

Date on which the application
was made available for
public inspection

Commissaire aux brevets / Commissioner of Patents

Canada

3256 (CIP0 91) 09/15

OPIC  CIPO



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AL 1.14

PATENT: WALL ASSEMBLY FOR WOODEN STRUCTURES

URKUNDE

Es wird hiermit bescheinigt, dass für die in der Patentschrift beschriebene Erfindung ein europäisches Patent für die in der Patentschrift bezeichneten Vertragsstaaten erteilt worden ist.

CERTIFICATE

It is hereby certified that a European patent has been granted in respect of the invention described in the patent specification for the Contracting States designated in the specification.

CERTIFICAT

Il est certifié qu'un brevet européen a été délivré pour l'invention décrite dans le fascicule de brevet, pour les Etats contractants désignés dans le fascicule de brevet.

AL 1.16

Europäisches Patent Nr.

European patent No.

Brevet européen n°

2652219

Patentinhaber

Proprietor of the patent

Titulaire du brevet

Verhaeghe Chalets & Sauna NV
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UBey

Benoît Battistelli

Präsident des Europäischen Patentamts
President of the European Patent Office
Président de l'Office européen des brevets

München, den
Munich,
Fait à Munich, le

08.10.14

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(74) Agent: KOB NV - HOSTENS VEERLE, IR.; President Kennedypark 31 C, B-8500 Kortrijk (BE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

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Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

Published:

— with international search report (Art. 21(3))

AL 1.18



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AL 1.19

PATENT: WALL ASSEMBLY FOR WOODEN STRUCTURES

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AL 1.20

WALL ASSEMBLY

No documents available for this priority number.

Uitvinder(s): VERHAEGHE THOMAS DANIEL ANTOON [BE] ± (VERHAEGHE THOMAS DANIEL ANTOON)

Aanvrager(s): VERHAEGHE CHALETS & SAUNA NV [BE] ± (VERHAEGHE CHALETS & SAUNA NV)

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Eveneens gepubliceerd als: WO2012080801 (A1) CA2816951 (A1) AU2011342940 (A1)



AL 1.22

CERTIFICATE OF GRANT

STANDARD PATENT

2011342940

The Commissioner of Patents has granted the above patent on 26 November 2015, and certifies that the following are the particulars of this patent appearing in the Register of Patents:

Name and Address of Patentee(s):

Verhaeghe Chalets & Sauna NV
Oudenaardsestraat 70-72 B-8530 Harelbeke Belgium

Name of Actual Inventor(s):

Verhaeghe, Thomas Daniel Antoon

Title of Invention:

Wall assembly

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Priority Details

Number
BE-2010/0744

Date
16 December 2010

Filed with
BE



Dated this 26th day of November 2015

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.



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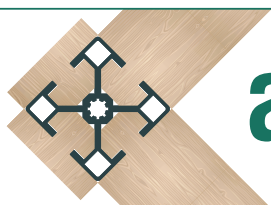
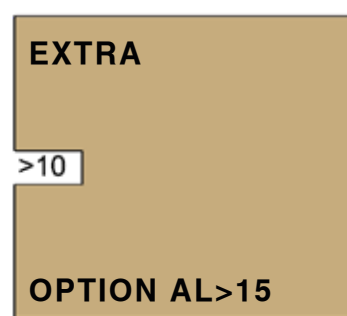
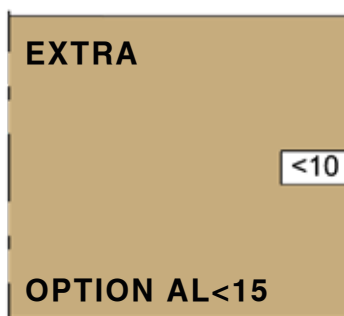
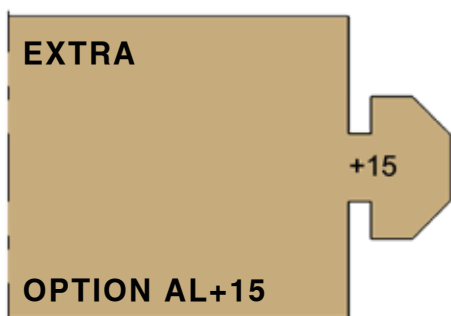
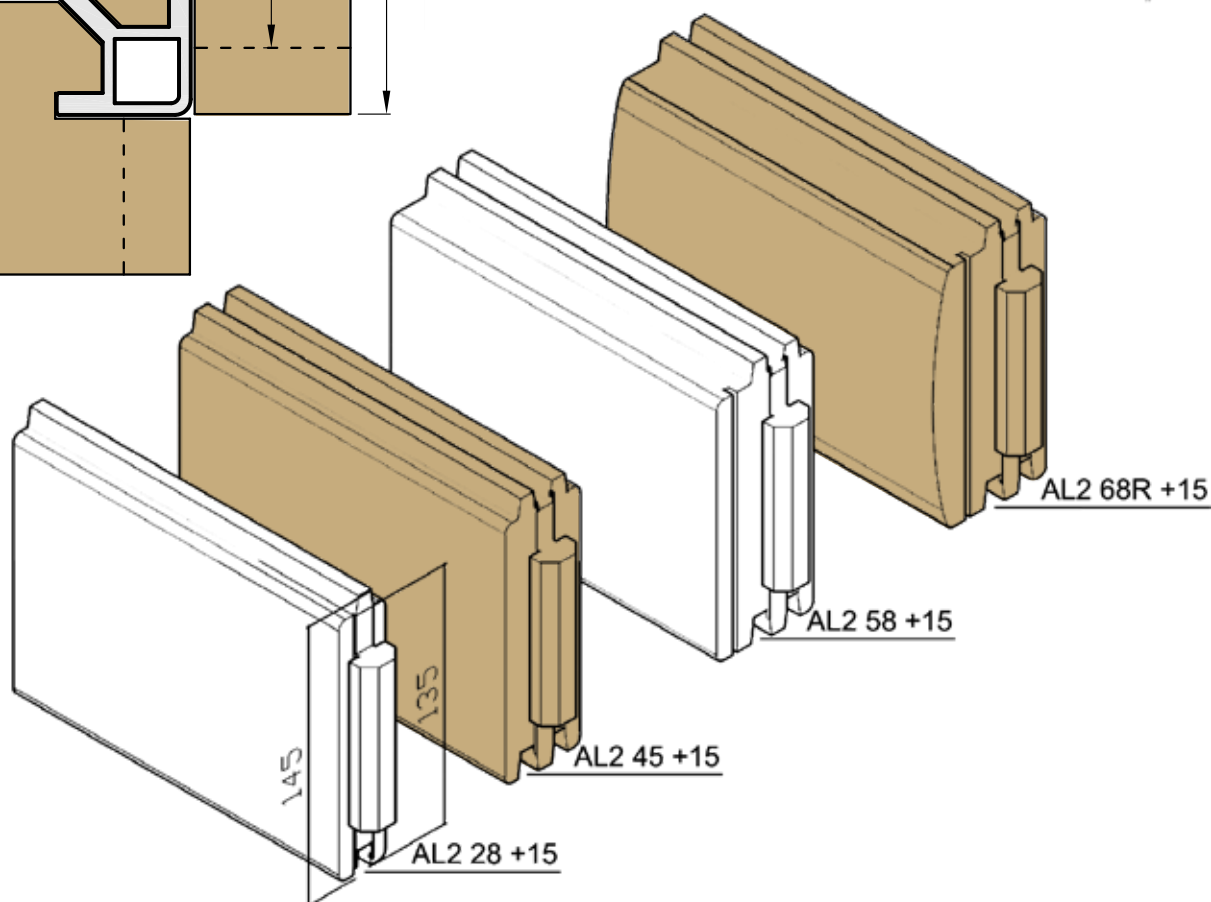
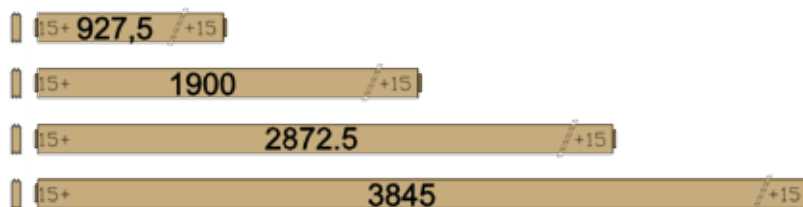
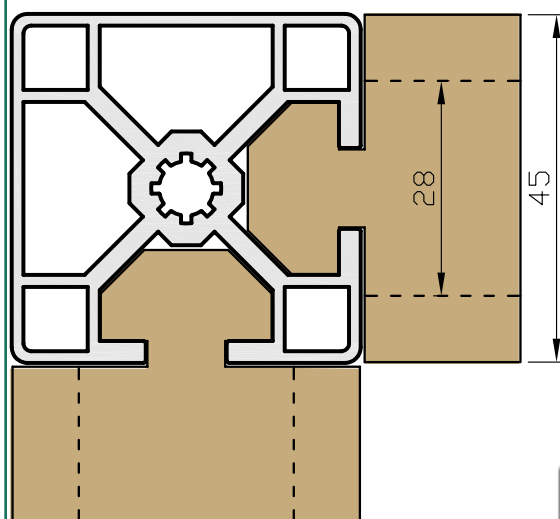
AL1.23

PATENT: WALL ASSEMBLY FOR WOODEN STRUCTURES



BEAMS 28 - 45 - 58 (68 - 68R)
BALKEN 28 - 45 - 58 (68 - 68R)
POUTRES 28 - 45 - 58 (68 - 68R)
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AL 2



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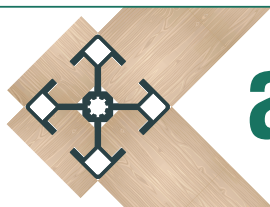
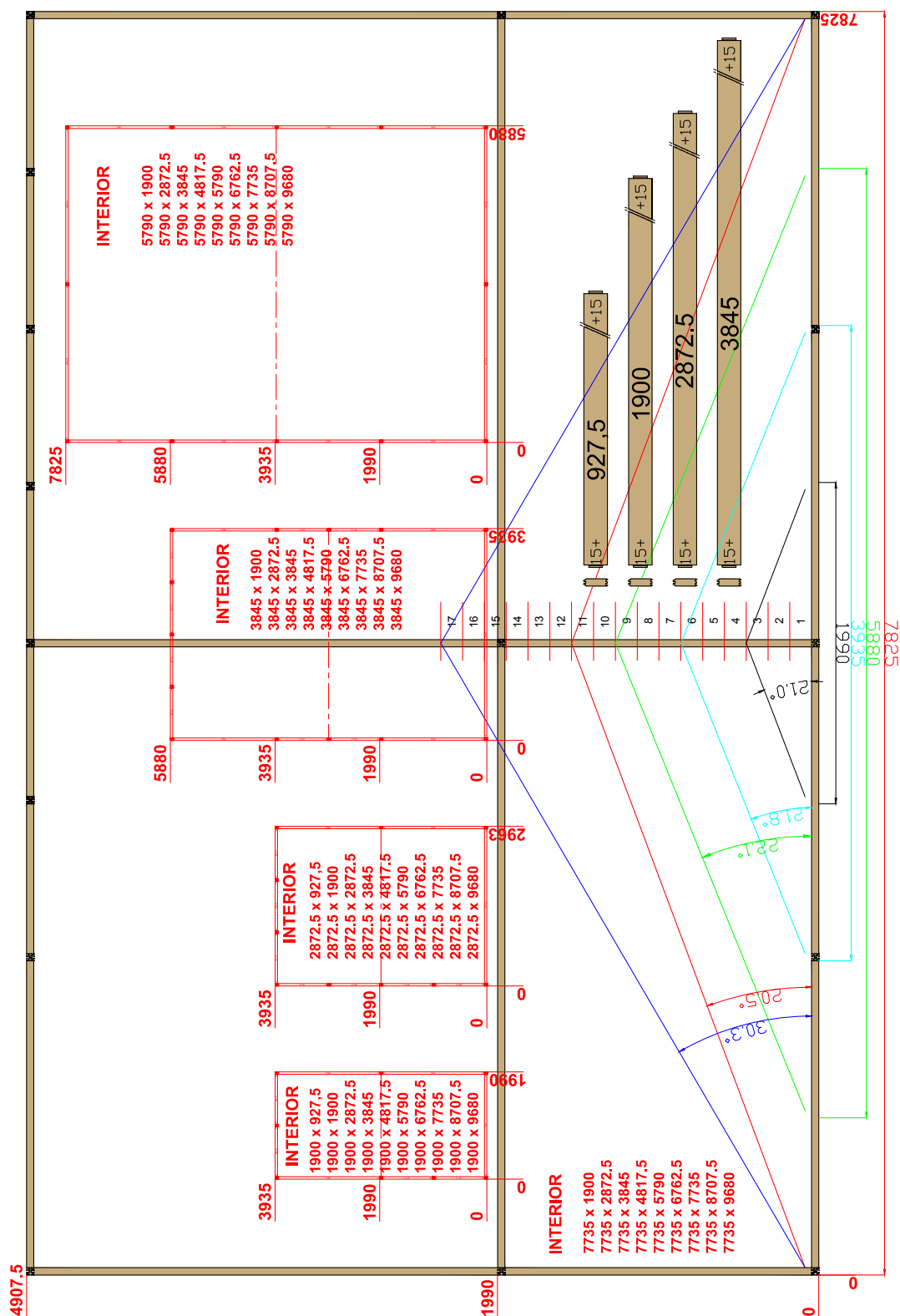
AL 2.1

PATENT: WALL ASSEMBLY FOR WOODEN STRUCTURES



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BOHLEN 28 - 45 - 58 (68 - 68R)

AL 2



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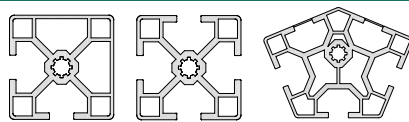
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AL 2.2

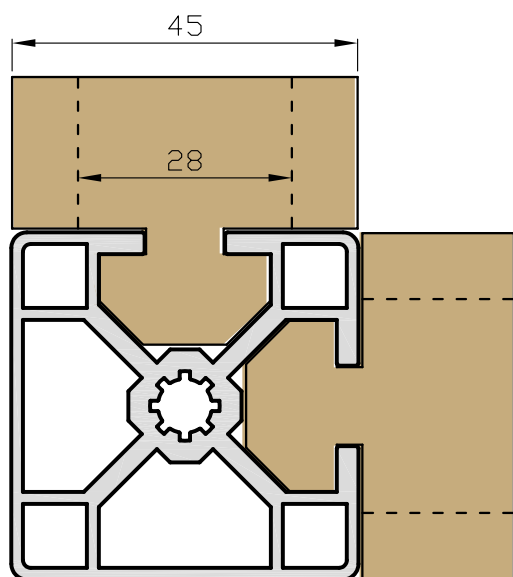
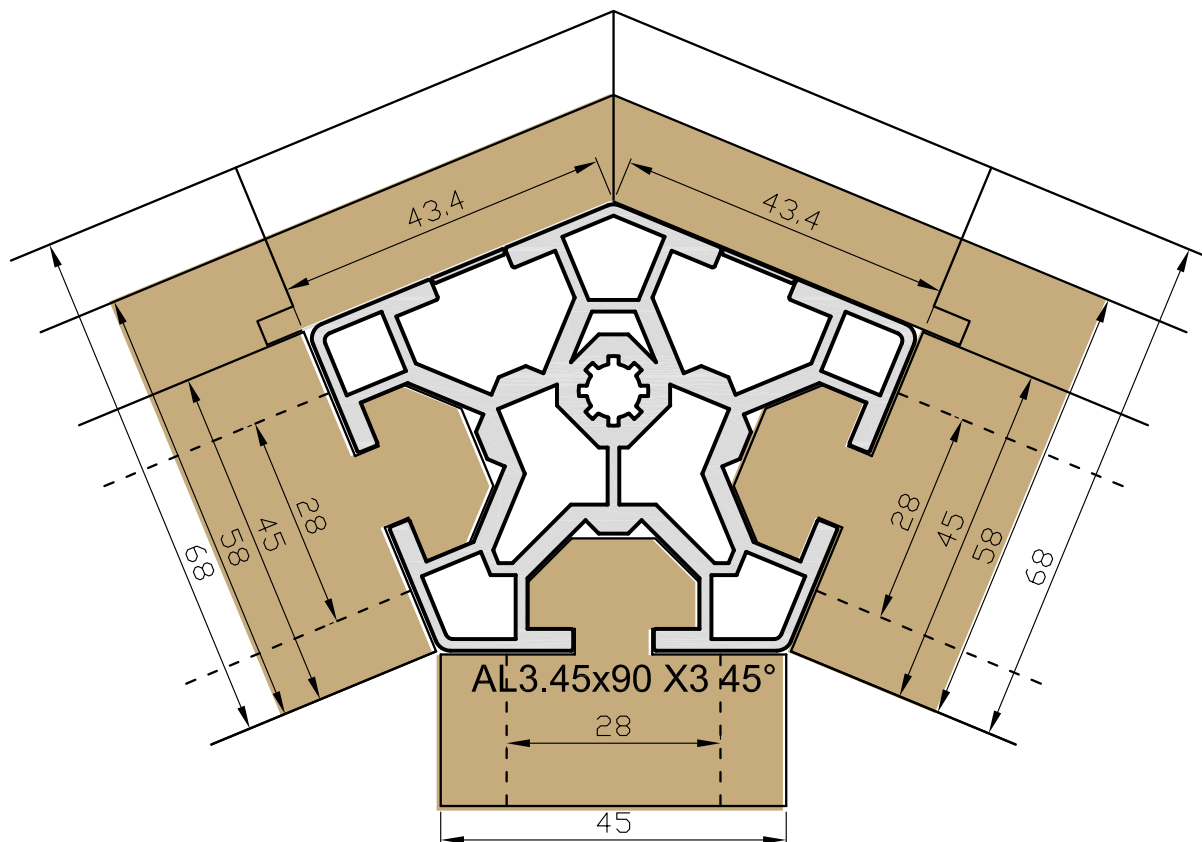
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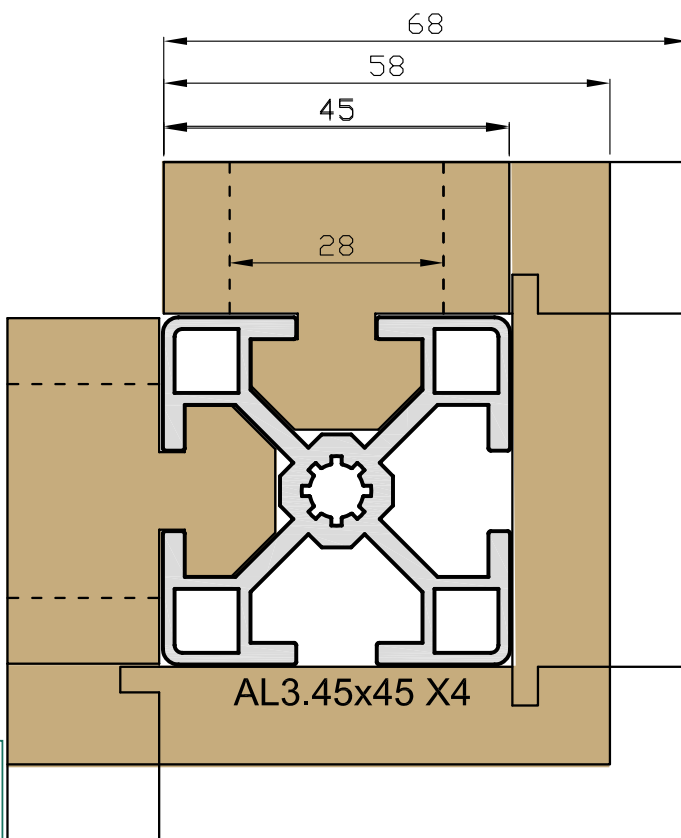
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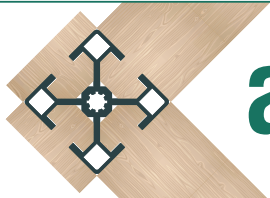
AL 3



AL3.45x45 X2



AL3.45x45 X4



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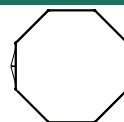
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AL 3.1

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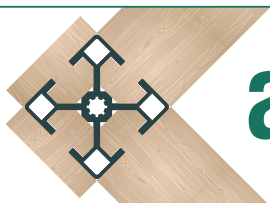
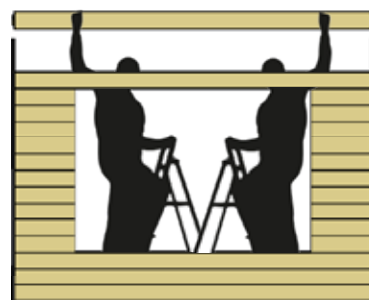
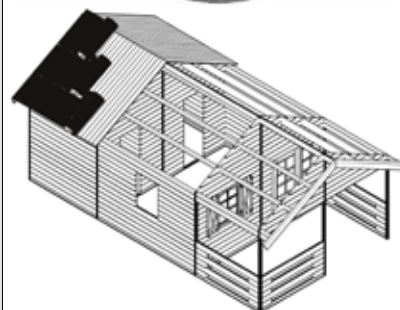
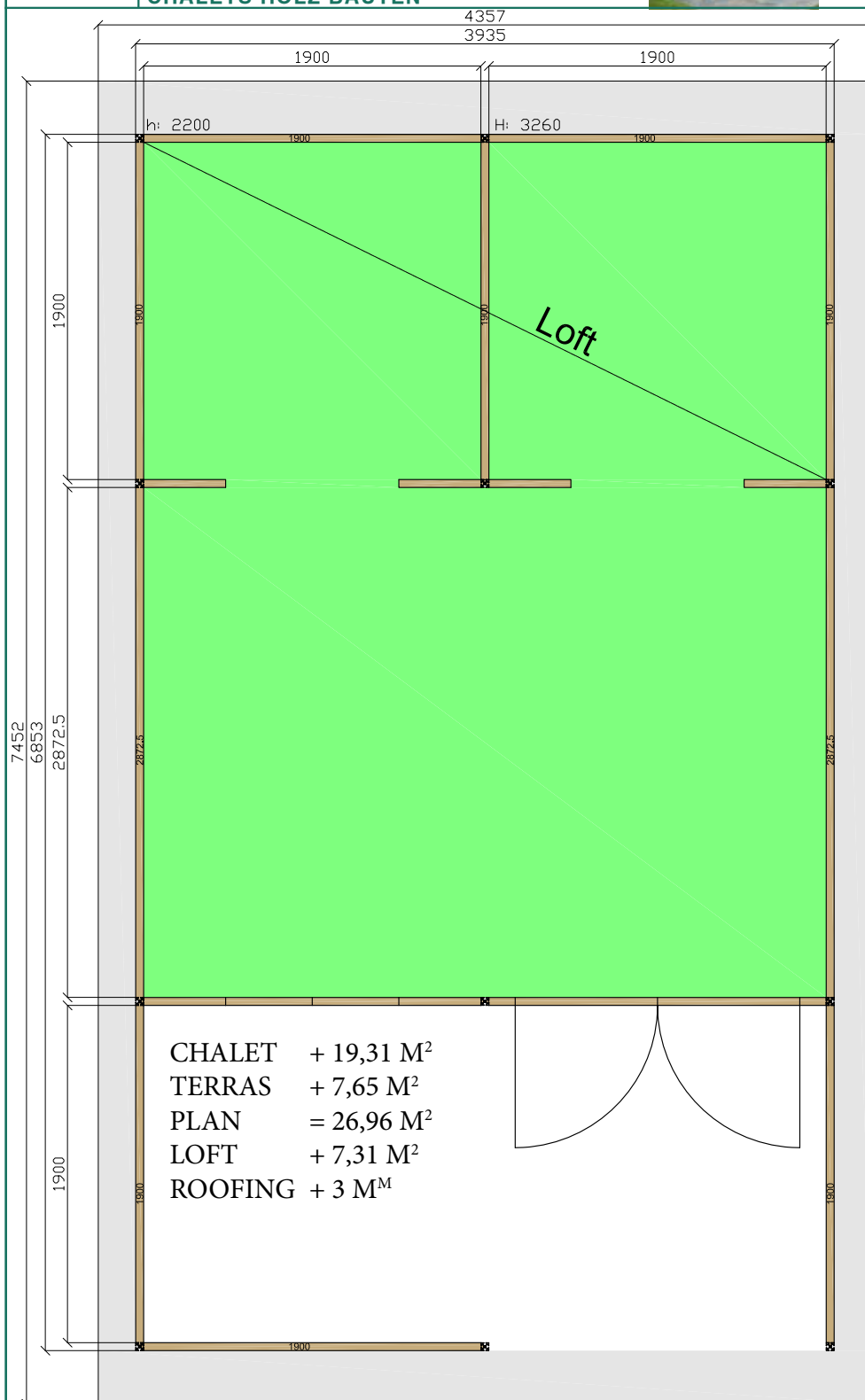


CHALET STRUCTURES
CHALETS IN HOUT
CHALETS EN BOIS
CHALETS HOLZ BAUTEN



AL 7

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AL7.27



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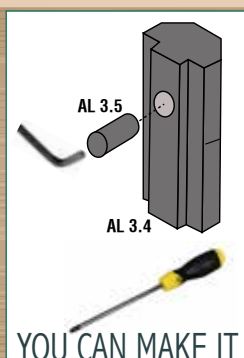
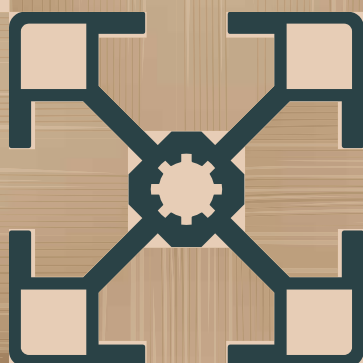
E17



4

KORTRIJK

AL 1.24



AL 1.25



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ALU-JOINT-WOOD-MODULAIR-BUILDING-CONCEPT

AL 1.26