RUUKKI

Contents of drawing

Load-bearing sheet
Drawings - list of contents (page 1/2)

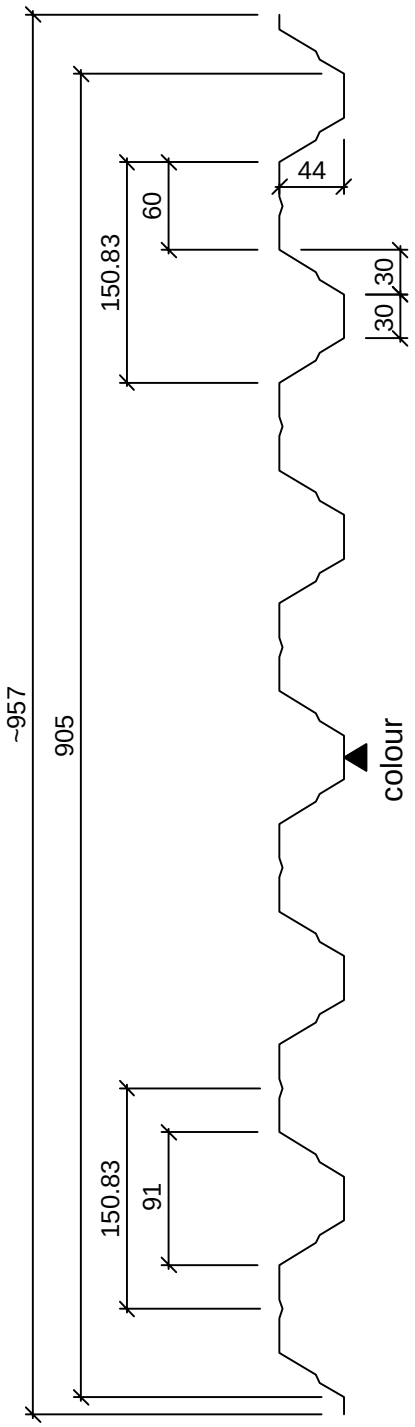
Date	Rev. date	Work nr.	Drw. nr.	Rev.
21.7.2011	04.08.2021	IN00A4000	IN 00	
Drawn by: Ruukki	Rev.			
Scale: .	Building		File nr.: IN00A4000	

Drawing nr.	Content of drawing (load-bearing sheets)	Date	Rev. date
T45-30L-905_V	Load-bearing sheet T45-30L-905, Technical dwg, Section - Center line	16.7.2007	7.4.2011
T70-57L-846_V	Load-bearing sheet T70-57L-846, Technical dwg, Section - Center line	16.7.2007	7.4.2011
T70-57L-1058_V	Load-bearing sheet T70-57L-1058, Technical dwg, Section - Center line	16.7.2007	7.4.2011
T130M-75L-930_V	Load-bearing sheet T130M-75L-930, Technical dwg, Section - Center line	16.10.2012	
T153-40L-840_V	Load-bearing sheet T153-40L-840, Technical dwg, Section - Center line	16.7.2007	7.4.2011
IN 01	Load-bearing sheet - Insulated roof, Erection - General view	18.10.2005	
IN 02	Load-bearing sheet - Insulated roof, Installation - Fastening to support	18.10.2005	7.4.2011
IN 03	Load-bearing sheet - Insulated roof, Installation - Fastening to support	18.10.2005	7.4.2011
IN 04	Load-bearing sheet - Insulated roof, Installation - Endlap	18.10.2005	7.4.2011
IN 05	Load-bearing sheet - Insulated roof, Installation - Static scheme	18.10.2005	7.4.2011
IN 06	Load-bearing sheet - Insulated roof, Installation - Static scheme	18.10.2005	7.4.2011
IN 07	Load-bearing sheet - Insulated roof, Installation - Simple overlap	7.4.2011	7.4.2011
IN 08	Load-bearing sheet - Insulated roof, Installation - Simple overlap	7.4.2011	7.4.2011
IN 09	Load-bearing sheet - Insulated roof, Installation - Supporting piece	18.10.2005	7.4.2011
IN 10	Load-bearing sheet - Insulated roof, Installation - Supporting piece	18.10.2005	7.4.2011
IN 11	Load-bearing sheet - Insulated roof, Erection - Gerber system	18.10.2005	7.4.2011
IN 12	Load-bearing sheet - Insulated roof, Erection - Gerber system (endlap)	12.09.2005	7.4.2011
IN 13	Load-bearing sheet - Structural detail, Fastening to concrete	12.09.2005	7.4.2011
IN 14	Load-bearing sheet - Structural detail, Fastening to concrete/wood	12.09.2005	7.4.2011
IN 15	Load-bearing sheet - Structural detail, Fastening to prestressed concrete structures	12.09.2005	7.4.2011
IN 16	Load-bearing sheet - Structural detail, Fastening to prestressed concrete structures	12.09.2005	7.4.2011
IN 17	Load-bearing sheet - Insulated roof, Installation - Sidelap	18.10.2005	7.4.2011
IN 18	Load-bearing sheet - Insulated roof, Installation - Sidelap	18.10.2005	7.4.2011
IN 19	Load-bearing sheet - Structural detail, Flat roofs - 1	15.12.2000	4.8.2021
IN 20	Load-bearing sheet - Structural detail, Flat roofs - 2	15.12.2000	4.8.2021
IN 21	Load-bearing sheet - Structural detail, Double pitched roofs or similar - 1	15.12.2000	4.8.2021
IN 22	Load-bearing sheet - Structural detail, Double pitched roofs or similar - 2	15.12.2000	4.8.2021
IN 23	Load-bearing sheet - Structural detail, Double pitched roofs or similar - 3	15.12.2000	4.8.2021
IN 24	Load-bearing sheet - Structural detail, Double pitched roofs or similar - 4	15.12.2000	4.8.2021
IN 25	Load-bearing sheet - Structural detail, Double pitched roofs or similar - 5	15.12.2000	4.8.2021
IN 26	Load-bearing sheet - Structural detail, Warehouse roofs - 1	15.12.2000	21.7.2011
IN 27	Load-bearing sheet - Structural detail, Warehouse roofs - 2	15.12.2000	21.7.2011
IN 28	Load-bearing sheet - Structural detail, Warehouse roofs - 3	15.12.2000	21.7.2011
IN 29	Load-bearing sheet - Structural detail, Warehouse roofs - 4	15.12.2000	21.7.2011
IN 30	Load-bearing sheet - Structural detail, Canopy and warehouse roofs	15.12.2000	21.7.2011
IN 31	Load-bearing sheet - Structural detail - 1	15.12.2000	4.8.2021
IN 32	Load-bearing sheet - Structural detail - 2	15.12.2000	4.8.2021
IN 33	Load-bearing sheet - Structural detail - 3	15.12.2000	4.8.2021
IN 34	Load-bearing sheet - Structural detail - 4	15.12.2000	4.8.2021
IN 35	Load-bearing sheet - Structural detail - 5	15.12.2000	4.8.2021

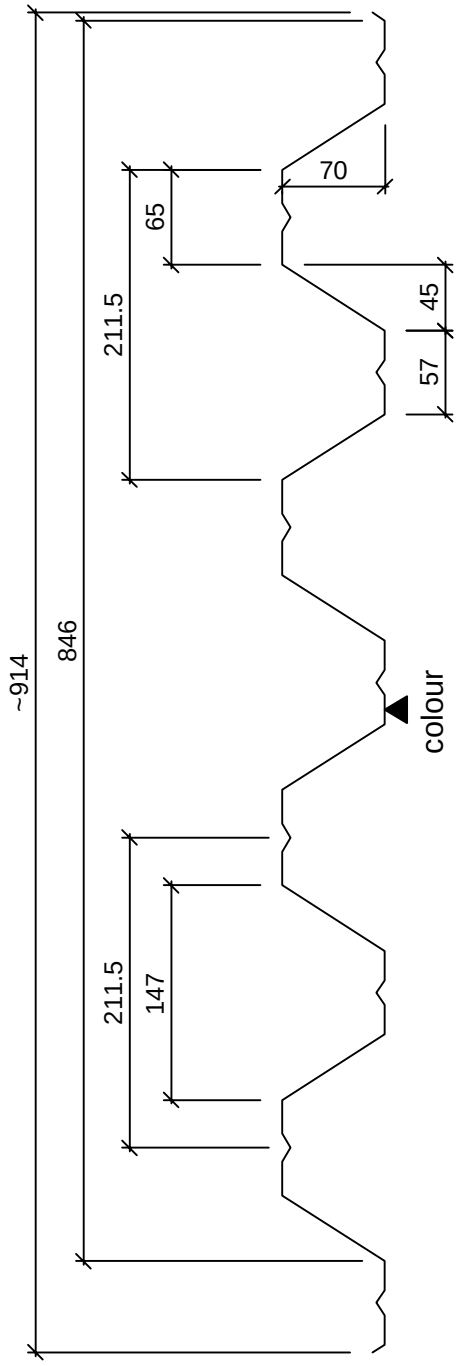
RUUKKI		Contents of drawing Load-bearing sheet Drawings - list of contents (page 2/2)	
Date 21.7.2011	Rev. date 04.08.2021	Work nr. IN00A4000	Drw. nr. Rev. IN 00
Drawn by Ruukki	Rev. .		
Scale .	Building		File nr. IN00A4000

Drawing nr.	Content of drawing (load-bearing sheets)	Date	Rev. date
IN 36	Load-bearing sheet - Structural detail, Intermediate floor	15.12.2000	21.7.2011
IN 37	Load-bearing sheet - Structural detail, Light-weight intermediate floor	15.12.2000	21.7.2011
IN 38	Load-bearing sheet - Structural detail, Uninsulated walls - 1	15.12.2000	21.7.2011
IN 39	Load-bearing sheet - Structural detail, Uninsulated walls - 2	15.12.2000	21.7.2011
IN 40	Load-bearing sheet - Structural detail, Fastening of acoustic insulation wool - 1	15.12.2000	4.8.2021
IN 41	Load-bearing sheet - Structural detail, Fastening of acoustic insulation wool - 2	15.12.2000	4.8.2021
IN 42	Load-bearing sheet - Structural detail, Opening	15.12.2000	21.7.2011
IN 43	Load-bearing sheet - Structural detail, Supporting - 1	15.12.2000	21.7.2011
IN 44	Load-bearing sheet - Structural detail, Supporting - 2	15.12.2000	21.7.2011

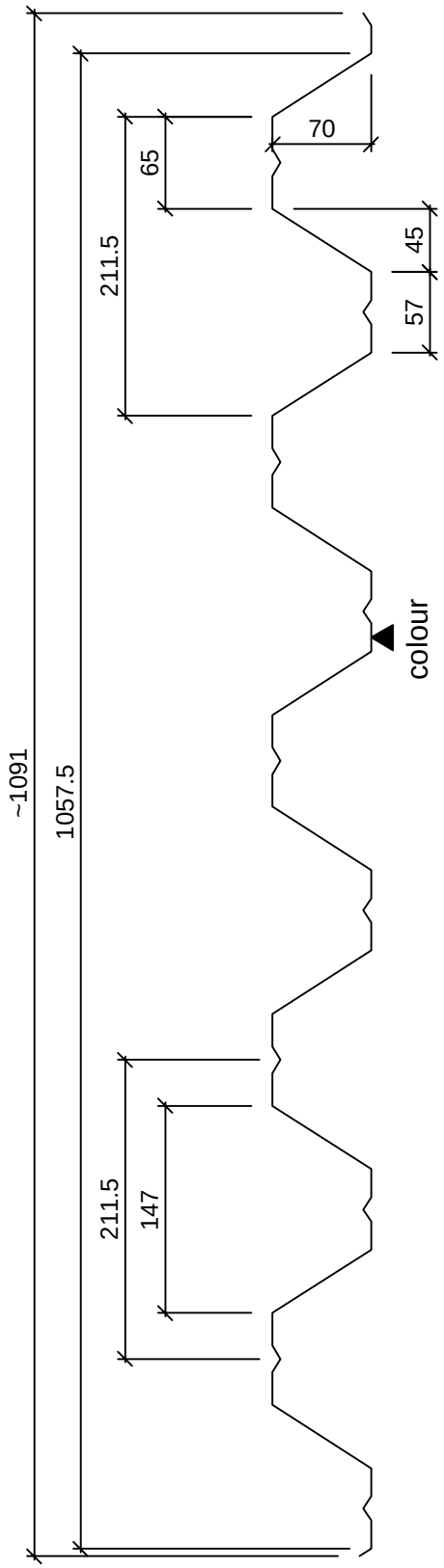
RUUKKI	Contents of drawing Load-bearing sheet T45-30L-905 Technical Drawing Section - Center line		
Date 16.07.2007	Rev. date 07.04.2011	Work nr. TECDA4109	Drw. nr. T45-30L-905_V
Drawn by Ruukki	Rev. changed colour side		Rev. 01
Scale 1:5	Building .		File nr. TECD T45-30L-905



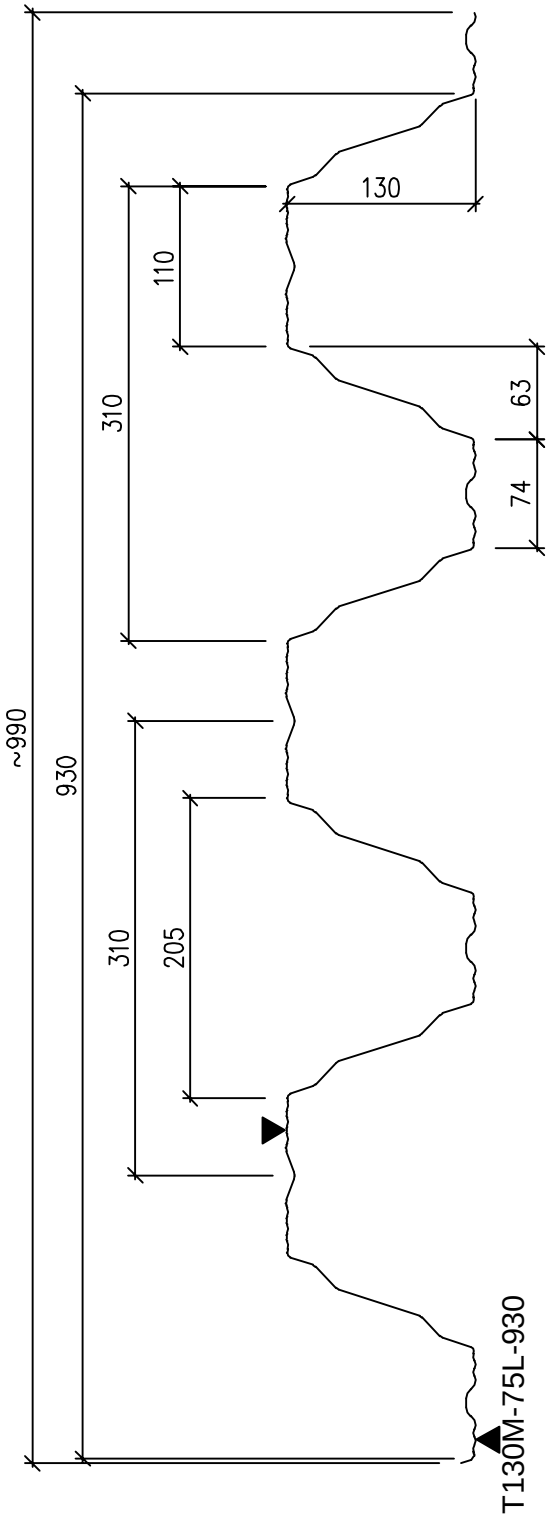
RUUKKI		Contents of drawing Load-bearing sheet T70-57L-846 Technical Drawing Section - Center line		
Date 16.07.2007	Rev. date 07.04.2011	Work nr. TECDA4118	Drw. nr. T70-57L-846_V	Rev. 01
Drawn by Ruukki	Rev. changed colour side			
Scale 1:5	Building .		File nr. TECD T70-57L-846	



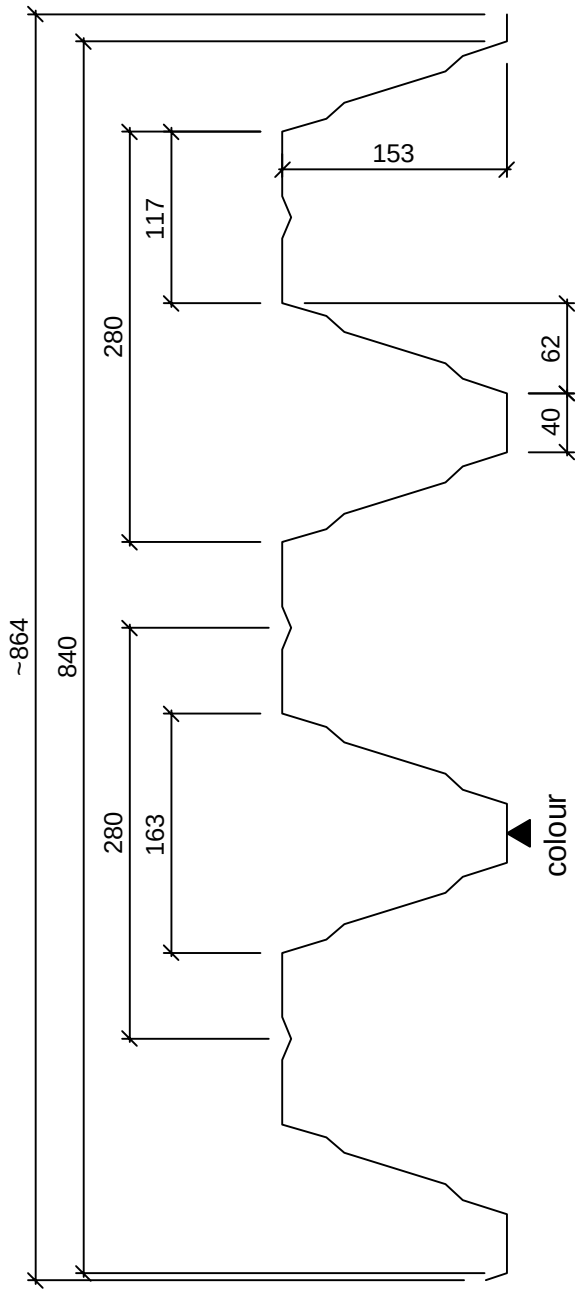
RUUKKI		Contents of drawing Load-bearing sheet T70-57L-1058 Technical Drawing Section - Center line	
Date 16.07.2007	Rev. date 07.04.2011	Work nr. TECDA4120	Drw. nr. Rev. T70-57L-1058_V 01
Drawn by Ruukki	Rev. changed colour side		
Scale 1:5	Building .		File nr. TECD T70-57L-1058



RUUKKI		Contents of drawing Load bearing sheet T130M-75L-930 Trapezoidal profile Technical drawing - section	
Date 16.10.2012	Rev. date dd.mm.yy	Work nr. TECDA4T130M	Drw. nr. Rev. T130M-75L-930 Vi00
Drawn by Ruukki	Rev. 00		
Scale 1:5	Building .		File nr. TECDA4T30M

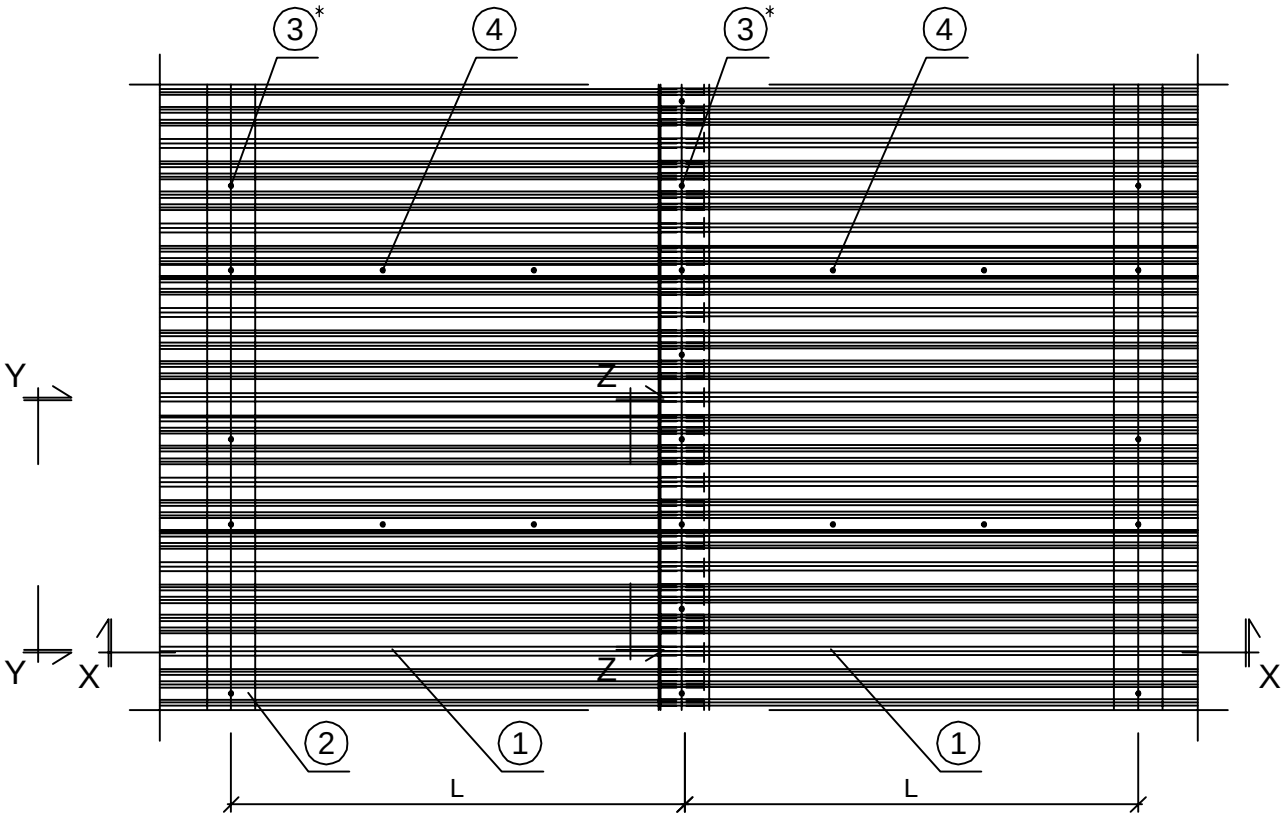


RUUKKI		Contents of drawing Load-bearing sheet T153-40L-840 Technical Drawing Section - Center line		
Date 16.07.2007	Rev. date 07.04.2011	Work nr. TECDA4125	Drw. nr. T153-40L-840_V	Rev. 01
Drawn by Ruukki	Rev. changed colour side			
Scale 1:5	Building .		File nr. TECD T153-40L-840	

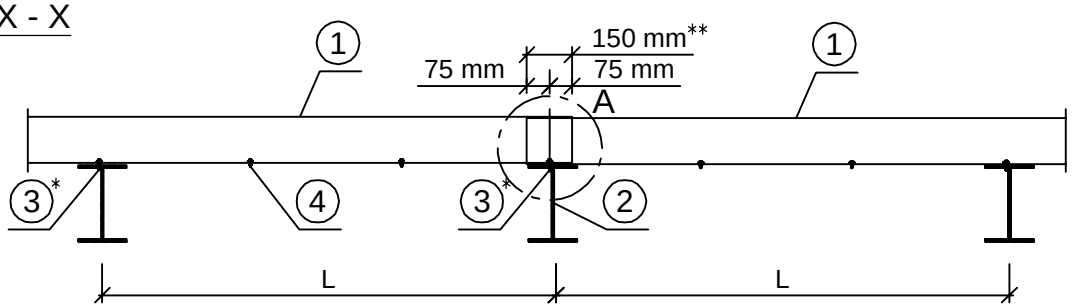


RUUKKI		Contents of drawing Load-bearing sheet - Insulated roof Erection - General view	
Date 18.10.2005	Rev. date .	Work nr. IN00A4001	Drw. nr. Rev. IN 01
Drawn by Ruukki	Rev. .		
Scale 1:25	Building		File nr. IN00A4001

Section A - A



Section X - X



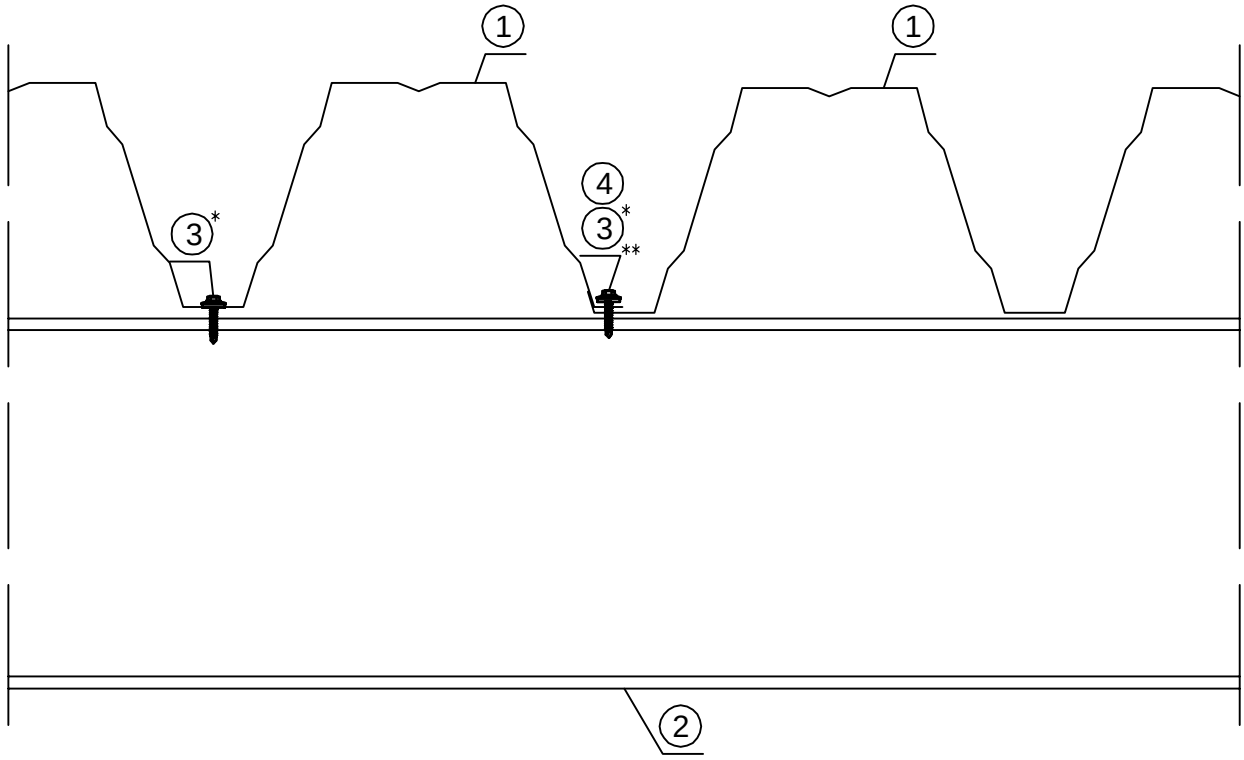
Attention:
L - span length
* - fasteners installed according to structural design
** - side overlapping according to structural design

1. Ruukki load-bearing sheet
2. Primary structure according to structural design
3. Fastener in every flange against support
4. Fastener on sidelaps c\c max 500 mm

Sections Y-Y, Z-Z drawing no IN 02, IN 03
Detail A drawing no IN 04

RUUKKI		Contents of drawing Load-bearing sheet - Insulated roof Installation - Fastening to support		
Date 18.10.2005	Rev. date 07.04.2011	Work nr. IN00A4002	Drw. nr. IN 02	Rev. 01
Drawn by Ruukki	Rev. .			
Scale 1:5	Building		File nr. IN00A4002	

Section Y - Y



Attention:

L - span length

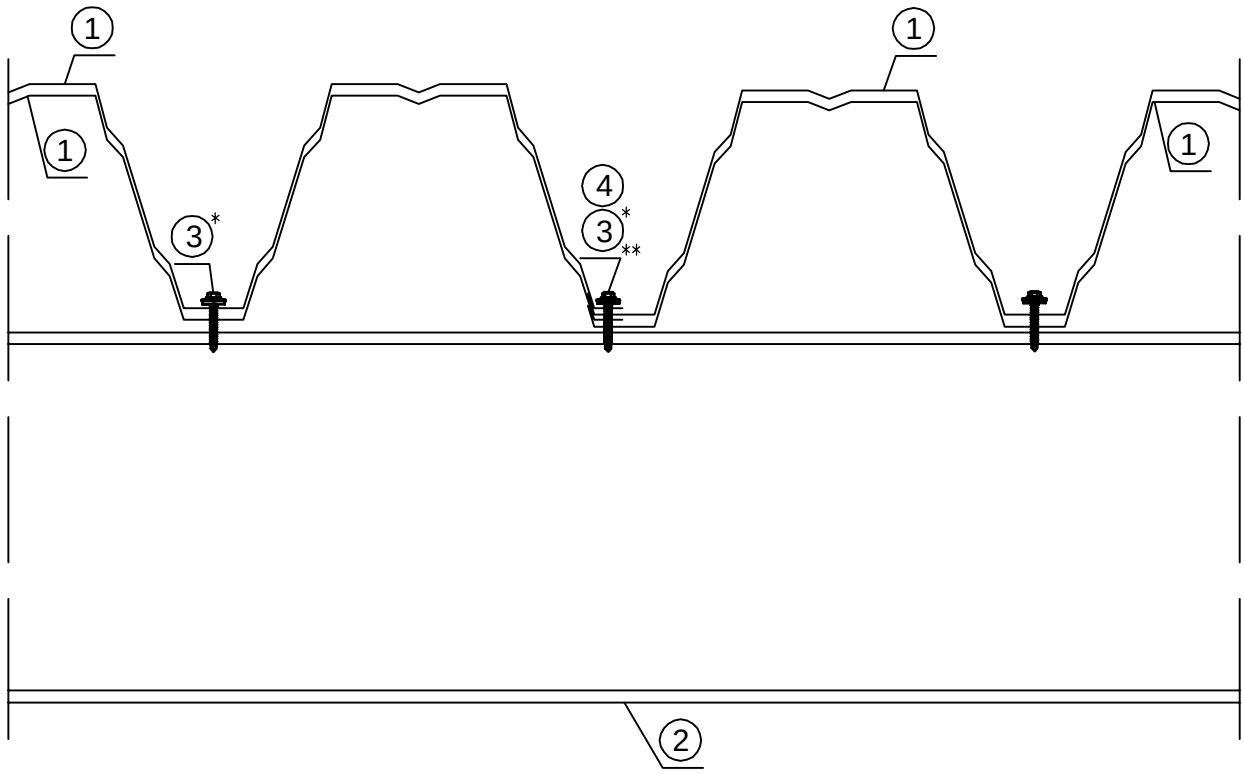
* - fasteners installed according to structural design

** - side overlapping according to structural design

1. Ruukki load-bearing sheet
2. Primary structure according to structural design
3. Fastener in every flange against support
4. Fastener on sidelaps c\c max 500 mm

RUUKKI		Contents of drawing Load-bearing sheet - Insulated roof Installation - Fastening to support	
Date 18.10.2005	Rev. date 07.04.2011	Work nr. IN00A4003	Drw. nr. IN 03 Rev. 01
Drawn by Ruukki	Rev. .		
Scale 1:5	Building		File nr. IN00A4003

Section Z - Z



Attention:

L - span length

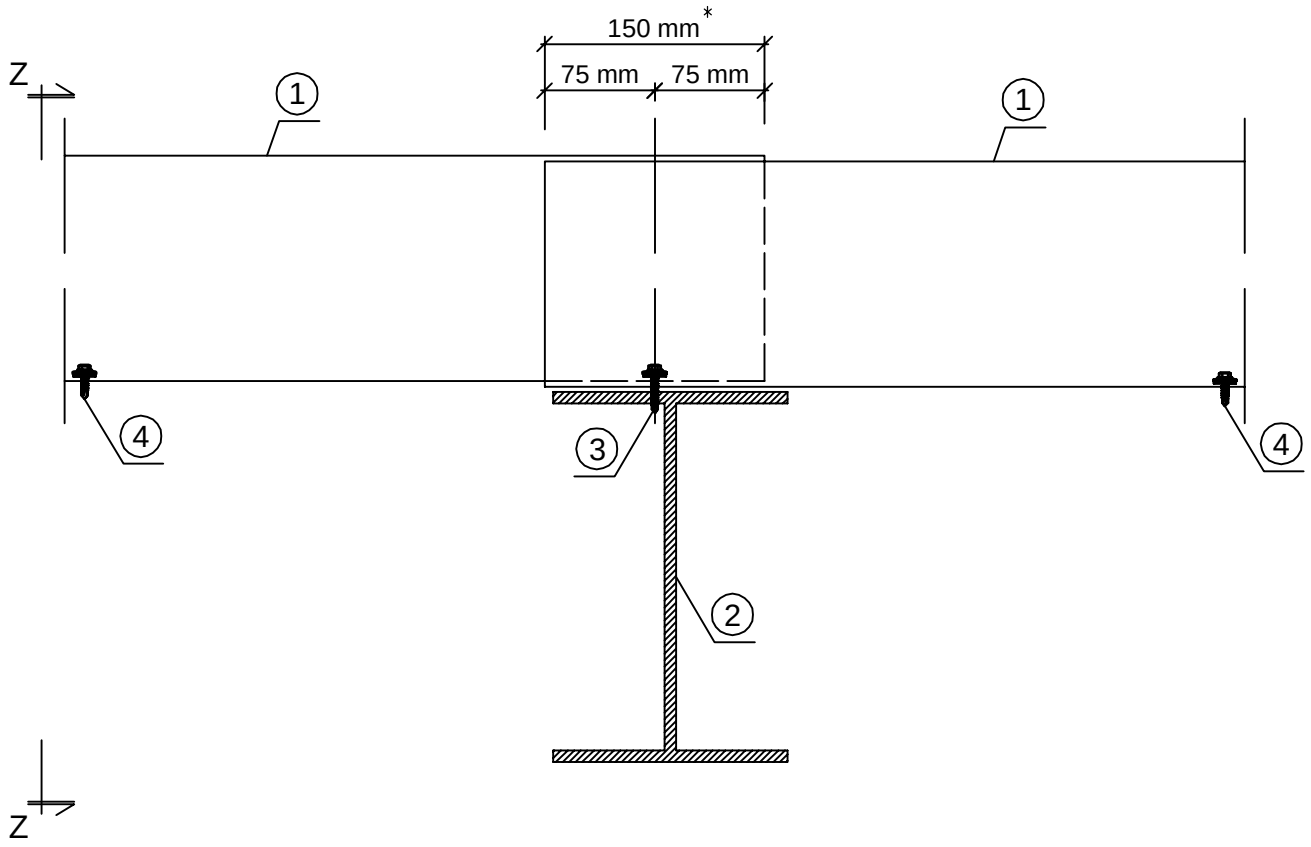
* - fasteners installed according to structural design

** - side overlapping according to structural design

1. Ruukki load-bearing sheet
2. Primary structure according to structural design
3. Fastener in every flange against support
4. Fastener on sidelaps c\c max 500 mm

RUUKKI		Contents of drawing Load-bearing sheet - Insulated roof Installation - Endlap	
Date 18.10.2005	Rev. date 07.04.2011	Work nr. IN00A4004	Drw. nr. IN 04 Rev. 01
Drawn by Ruukki	Rev. .		
Scale 1:5	Building		File nr. IN00A4004

Detal A
Standard cross endlap of load-bearing sheets - Insulated roof *



Attention:

* - length and type of endlap according to structural design

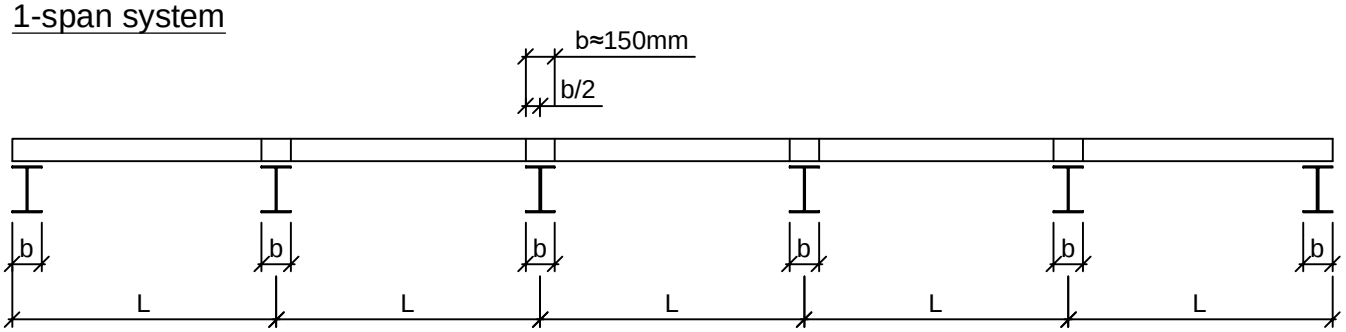
1. Ruukki load-bearing sheet
2. Primary structure according to structural design
3. Fastener in every flange against support
4. Fastener on sidelaps c\c max 500 mm

Section Z-Z drawing no IN 03

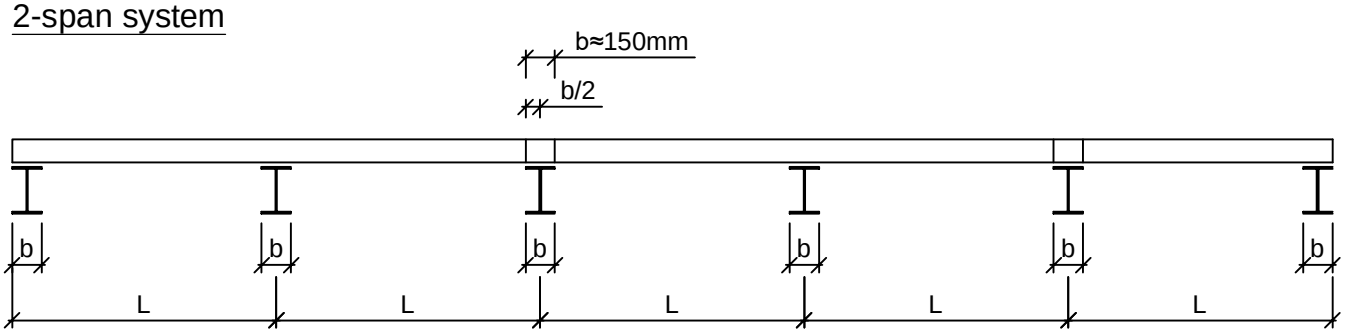
RUUKKI		Contents of drawing Load-bearing sheet - Insulated roof Installation - Static scheme		
Date 18.10.2005	Rev. date 07.04.2011	Work nr. IN00A4005	Drw. nr. IN 05	Rev. 01
Drawn by Ruukki	Rev. .			
Scale 1:5	Building		File nr. IN00A4005	

Standard static scheme - Insulated roof *

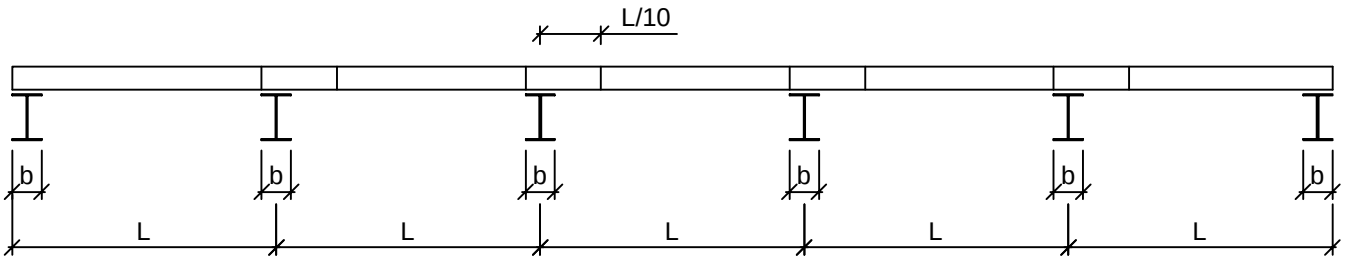
1-span system



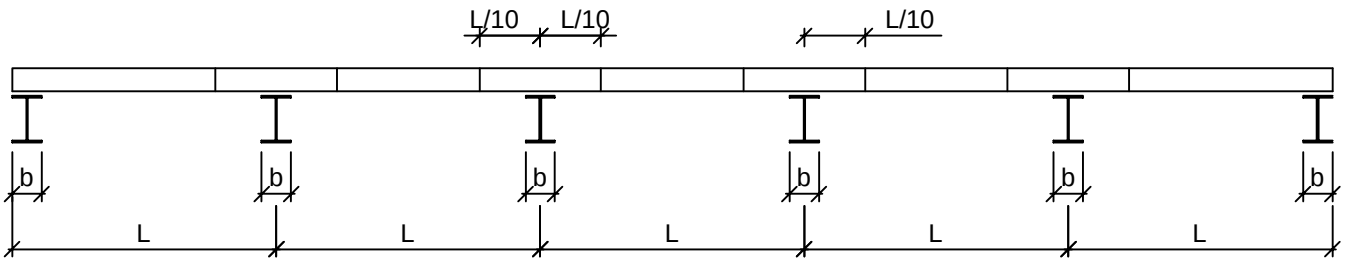
2-span system



Continuous structure - simple overlap joint



Continuous structure - double overlap joint



Attention:

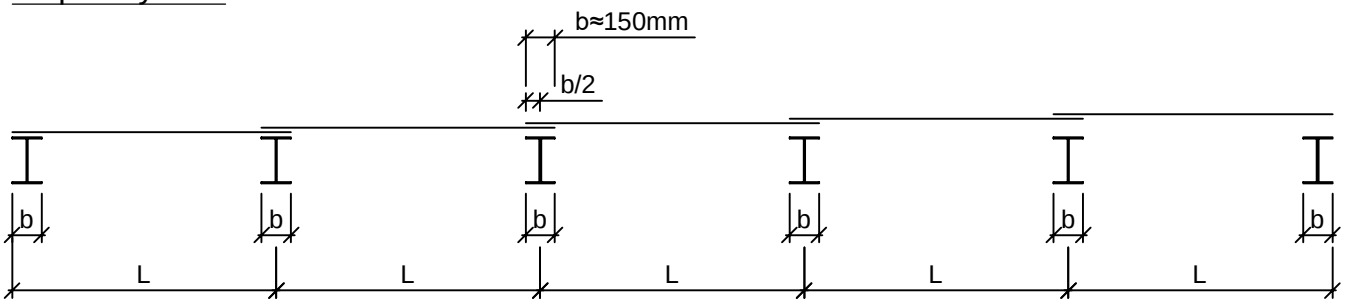
* - flange and fixing number according to structural design

1. Ruukki load-bearing sheet
2. Fastener on sidelaps c\c max 500 mm

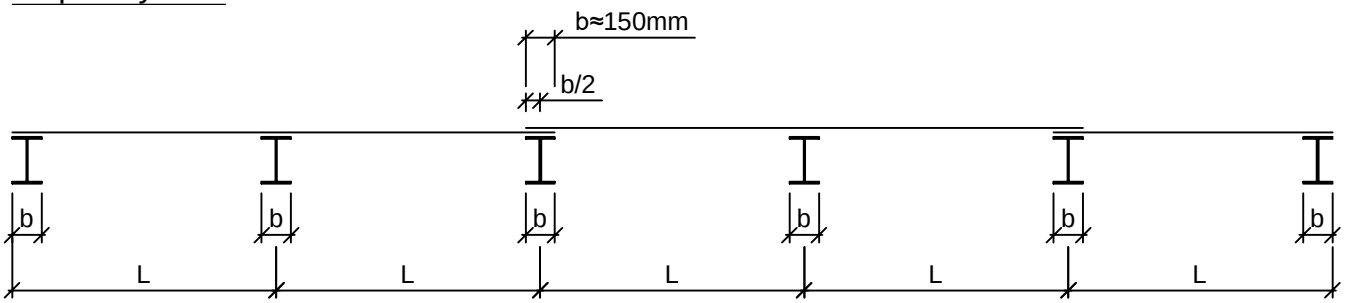
RUUKKI		Contents of drawing Load-bearing sheet - Insulated roof Installation - Static scheme		
Date 18.10.2005	Rev. date 07.04.2011	Work nr. IN00A4006	Drw. nr. IN 06	Rev. 01
Drawn by Ruukki	Rev. .			
Scale 1:5	Building		File nr. IN00A4006	

Standard static scheme - Insulated roof *

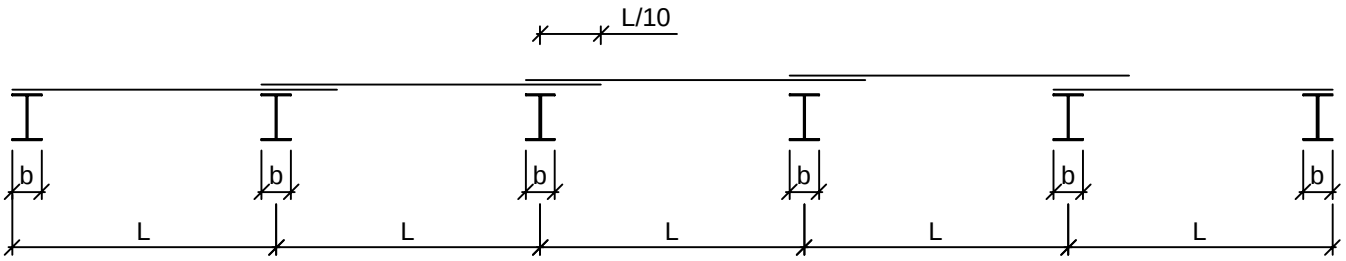
1-span system



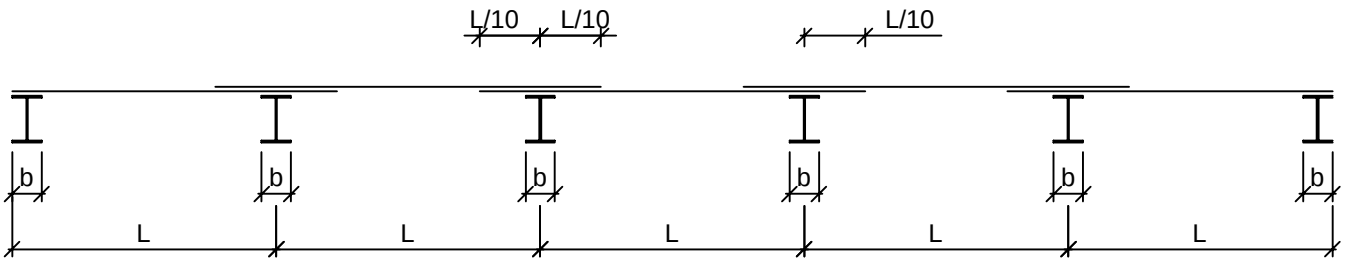
2-span system



Continuous structure - simple overlap joint **



Continuous structure - double overlap joint **



Attention:

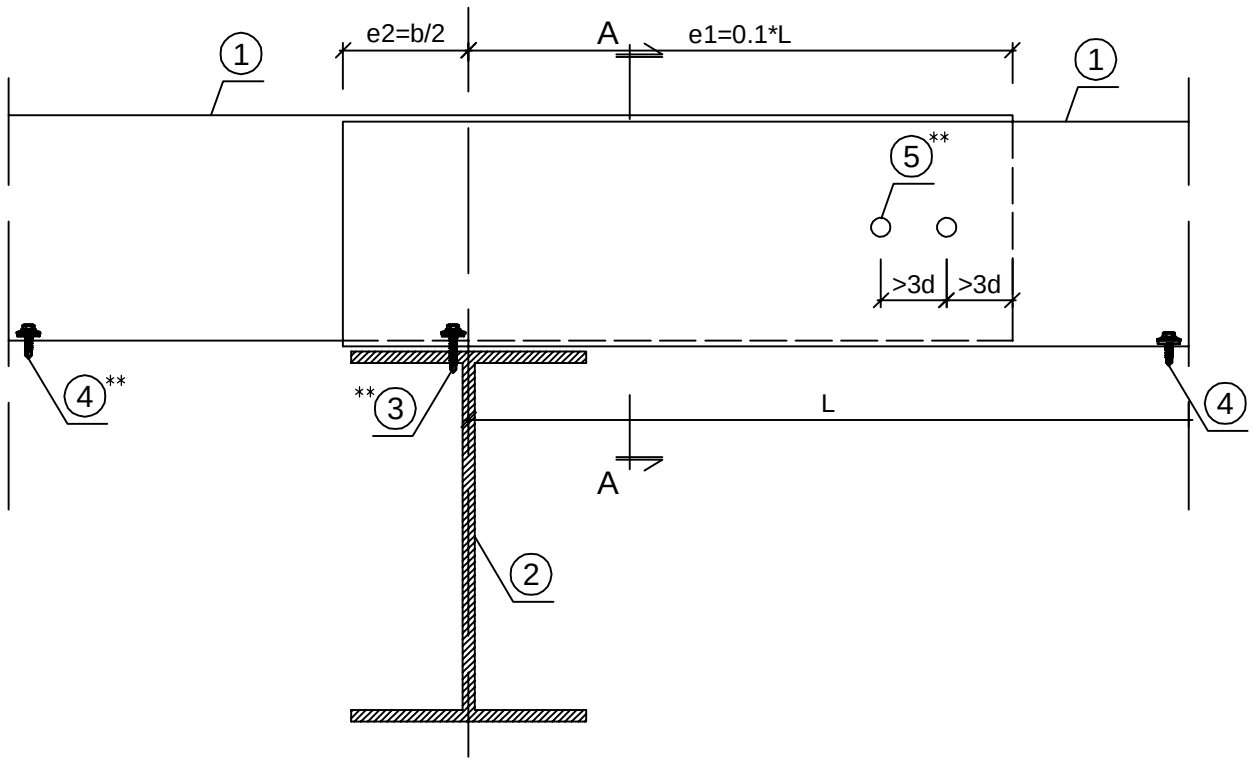
* - side overlapping and fastener number according to structural design

** - thicker sheet close to support

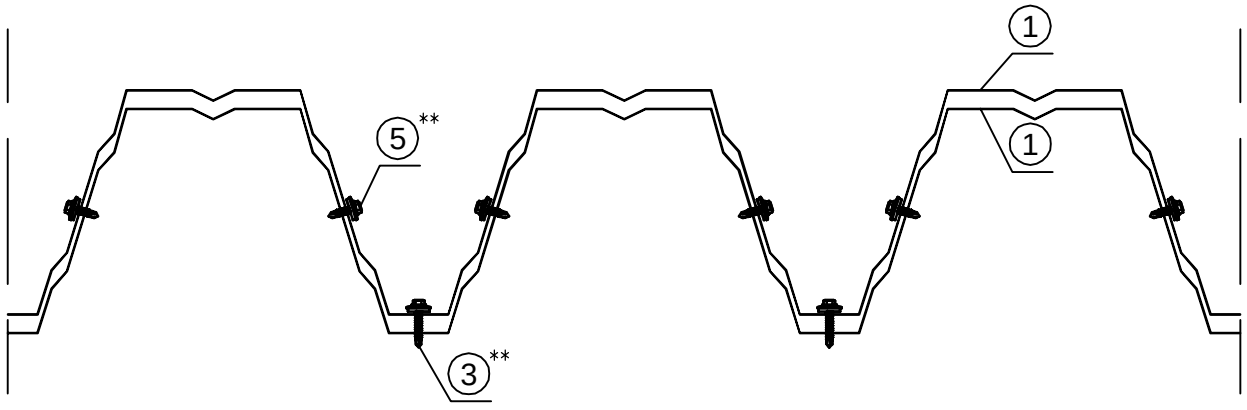
1. Ruukki load-bearing sheet
2. Fastener on sidelaps c\c max 500 mm

RUUKKI		Contents of drawing Load-bearing sheet - Insulated roof Installation - Simple overlap		
Date 07.04.2011	Rev. date 07.04.2011	Work nr. IN00A4007	Drw. nr. IN 07	Rev. 01
Drawn by Ruukki	Rev. .			
Scale 1:5	Building		File nr. IN00A4007	

Standard simple overlap of load-bearing sheets - Insulated roof *



Section A - A



Attention:

L - span length

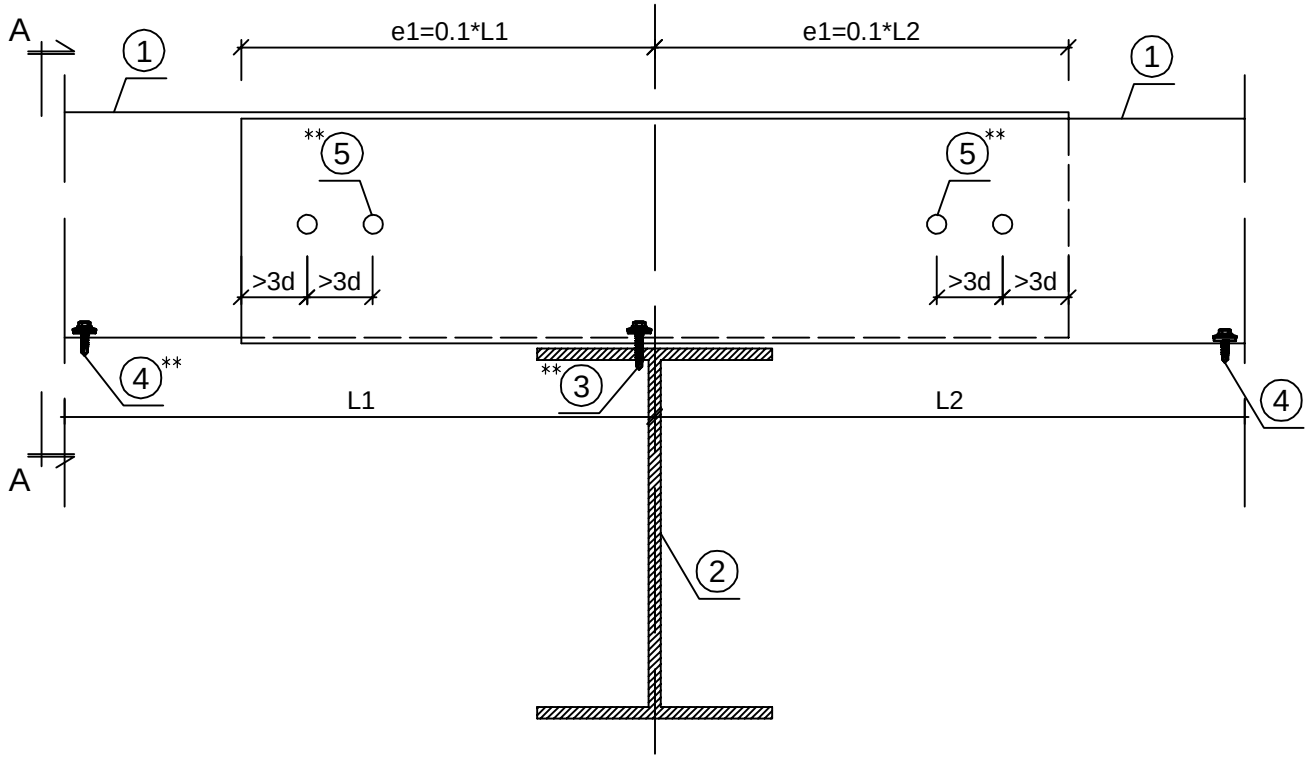
* - length and type of overlap according to structural design

** - number of fasteners according to structural design

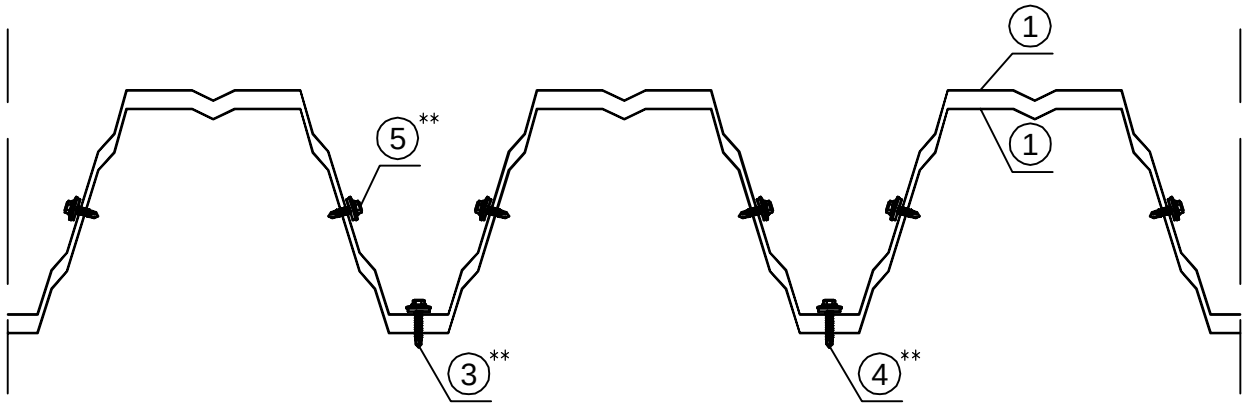
1. Ruukki load-bearing sheet
2. Primary structure according to structural design
3. Fastener in every flange against support
4. Fastener on sidelaps c\c max 500 mm
5. Fastener in the web

RUUKKI	Contents of drawing Load-bearing sheet - Insulated roof Installation - Simple overlap		
Date 07.04.2011	Rev. date 07.04.2011	Work nr. IN00A4008	Drw. nr. Rev. IN 08 01
Drawn by Ruukki	Rev. .		
Scale 1:5	Building		File nr. IN00A4008

Standard simple overlap of load-bearing sheets - Insulated roof *



Section A - A



Attention:

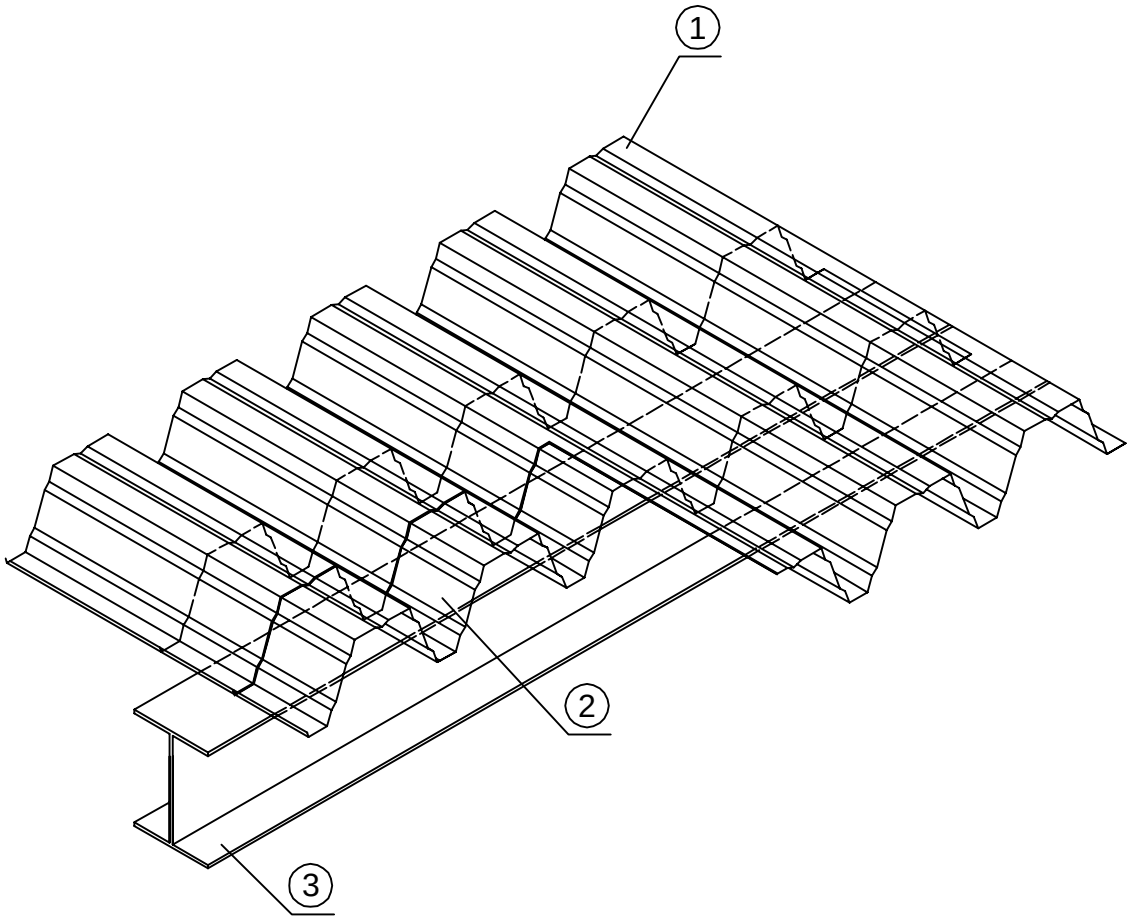
L - span length

* - length and type of overlap according to structural design

** - number of fasteners according to structural design

1. Ruukki load-bearing sheet
2. Primary structure according to structural design
3. Fastener in every flange against support
4. Fastener on sidelaps c\c max 500 mm
5. Fastener in the web

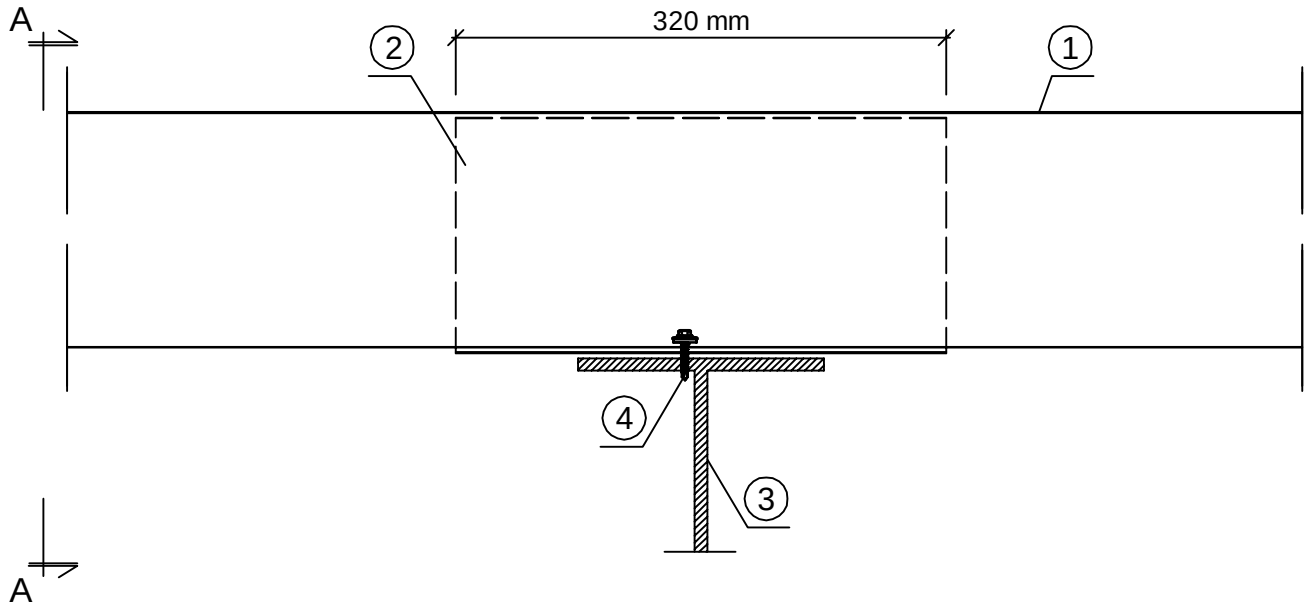
RUUKKI		Contents of drawing Load-bearing sheet - Insulated roof Erection - Supporting piece	
Date 18.10.2005	Rev. date 07.04.2011	Work nr. IN00A4009	Drw. nr. IN 09 Rev. 01
Drawn by Ruukki	Rev. .		
Scale .	Building		File nr. IN00A4009



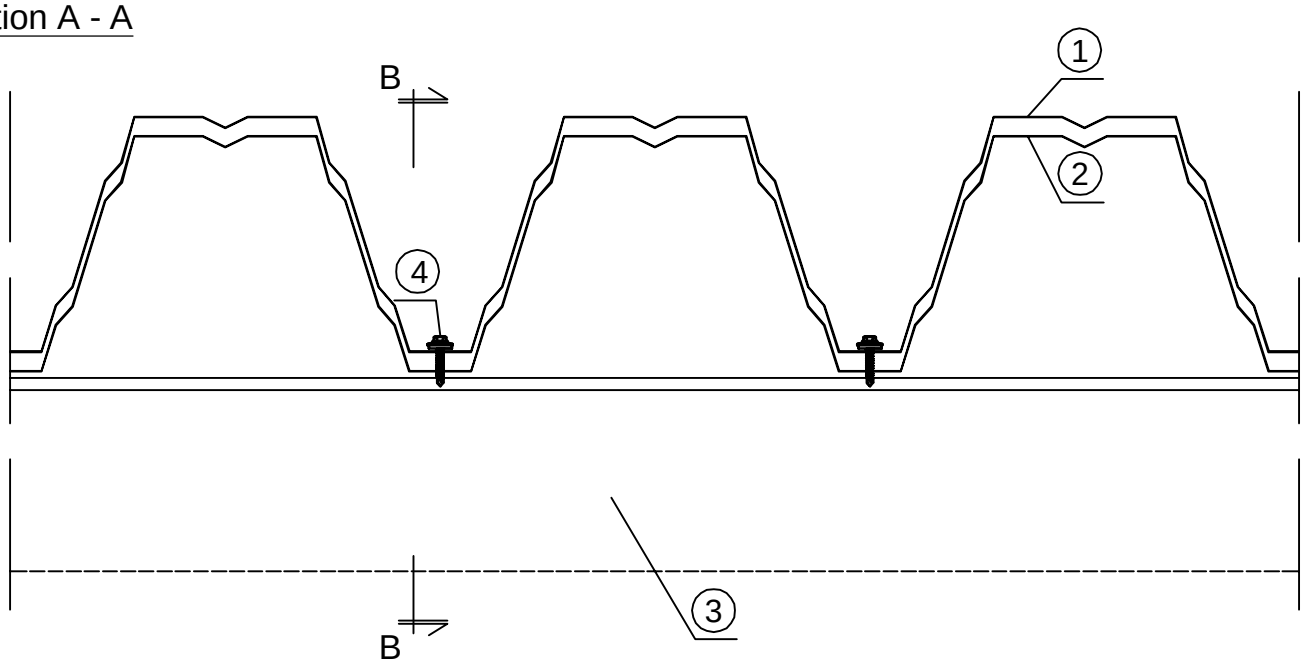
1. Ruukki load-bearing sheet
2. Supporting piece 320mm length - Ruukki profile
3. Primary structure according to structural design

RUUKKI		Contents of drawing Load-bearing sheet - Insulated roof Erection - Supporting piece	
Date 18.10.2005	Rev. date 07.04.2011	Work nr. IN00A4010	Drw. nr. Rev. IN 10 01
Drawn by Ruukki	Rev. .		
Scale 1:5	Building		File nr. IN00A4010

Section B - B



Section A - A

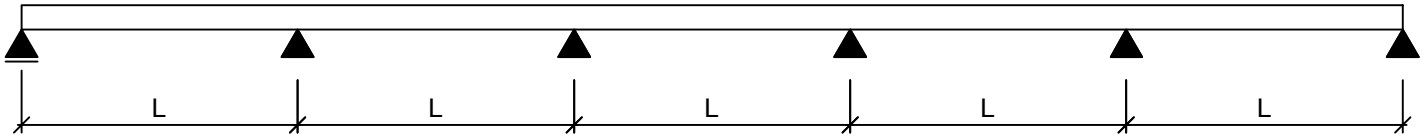


1. Ruukki load-bearing sheet
2. Supporting piece 320mm length - Ruukki profile
3. Primary structure according to structural design
4. Fastener in every flange against support

RUUKKI		Contents of drawing Load-bearing sheets - insulated profiles Erection - Gerber system	
Date 18.10.2005	Rev. date 07.04.2011	Work nr. IN00A4011	Drw. nr. Rev. IN 11 01
Drawn by Ruukki	Rev. .		
Scale .	Building		File nr. IN00A4011

Static scheme

1.



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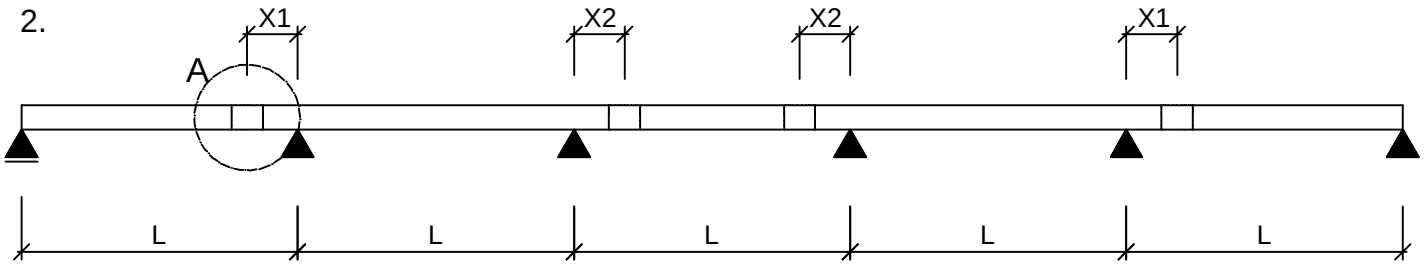

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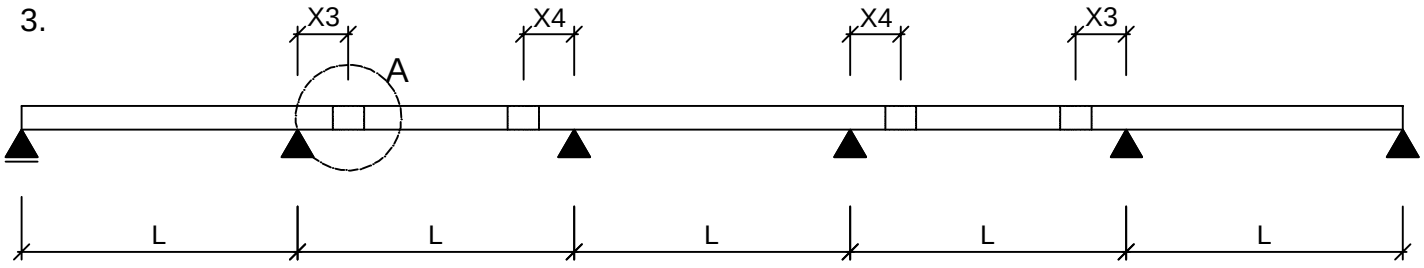

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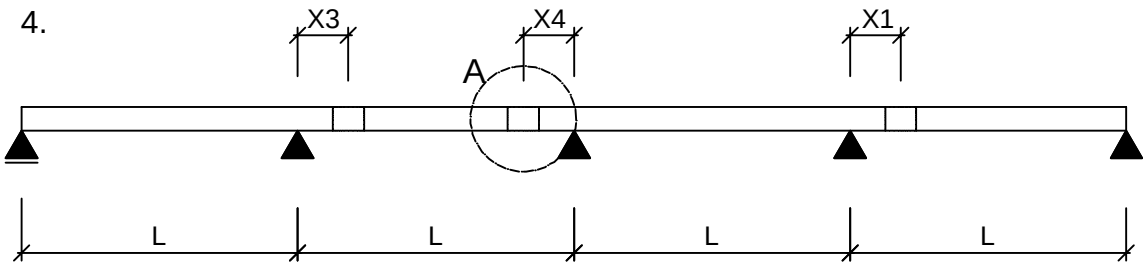


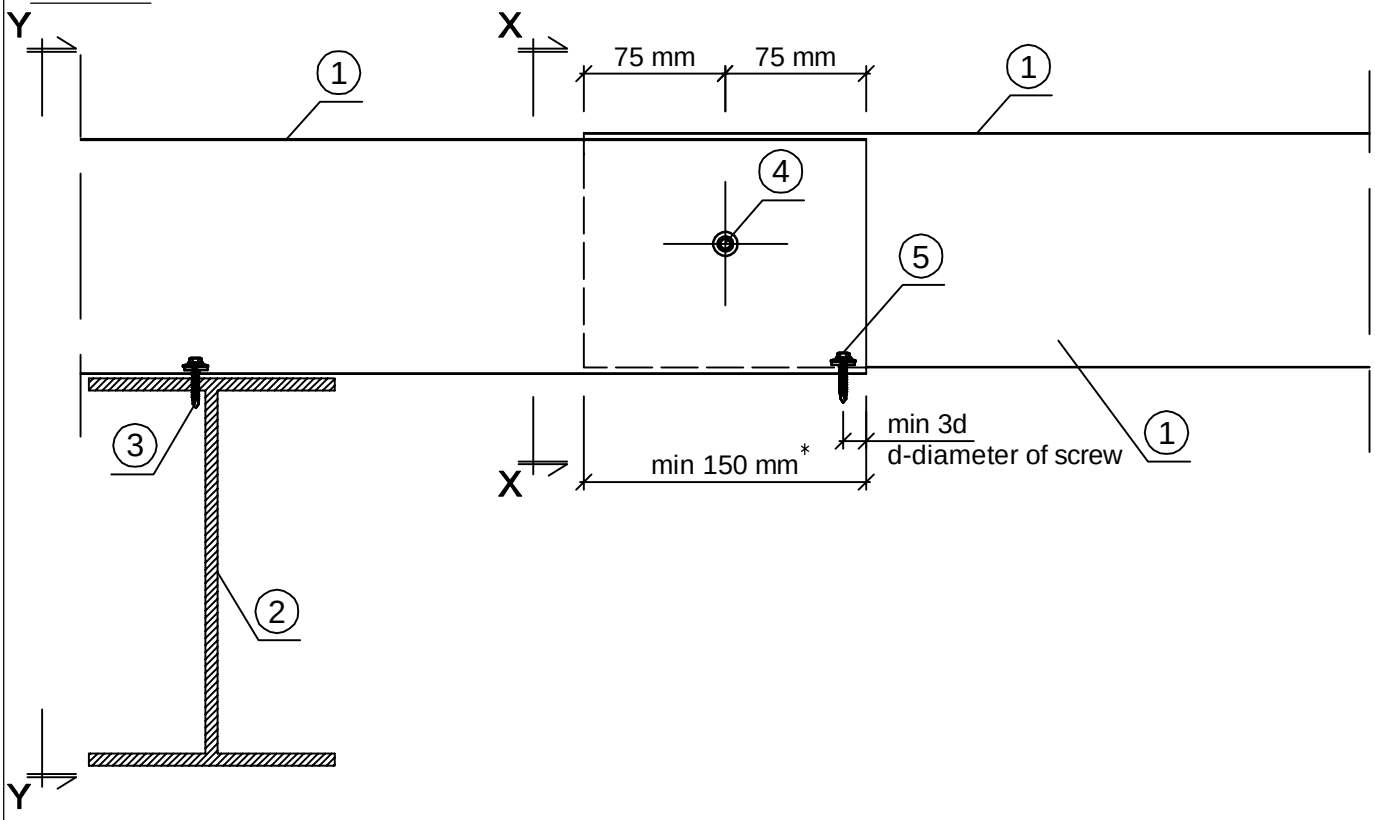
Attention:

X1 = 0,125 x L
X2 = 0,146 x L
X3 = 0,204 x L
X4 = 0,157 x L
L - span length
Detail A drawing no IN 12

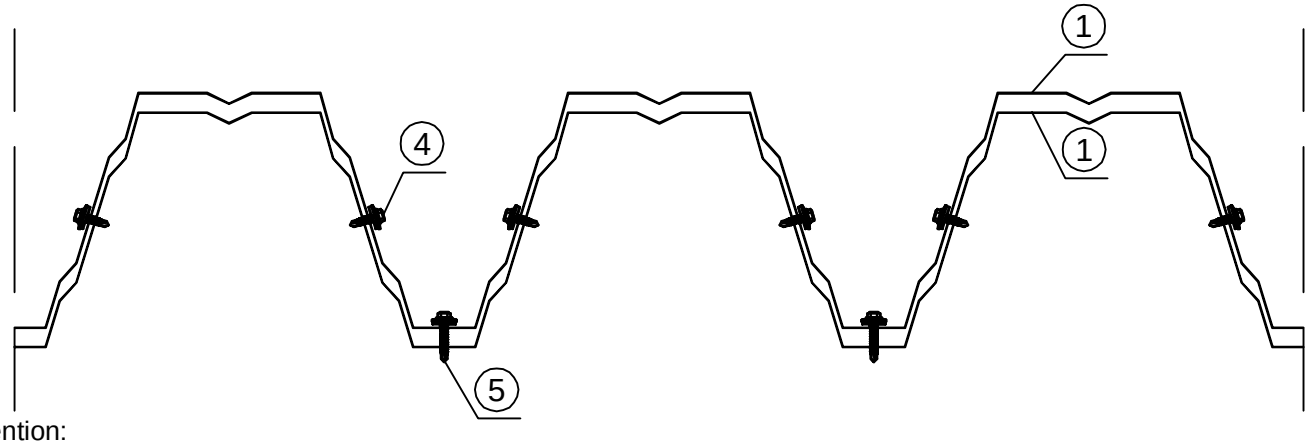
RUUKKI		Contents of drawing Load-bearing sheets - insulated roof Erection - Gerber system (endlap)		
Date 12.09.2005	Rev. date 07.04.2011	Work nr. IN00A4012	Drw. nr. IN 12	Rev. 01
Drawn by Ruukki	Rev. .			
Scale 1:5	Building		File nr. IN00A4012	

Standard endlap of load-bearing sheets - Gerber system - insulated roof*

Detail A



Section X - X



Attention:

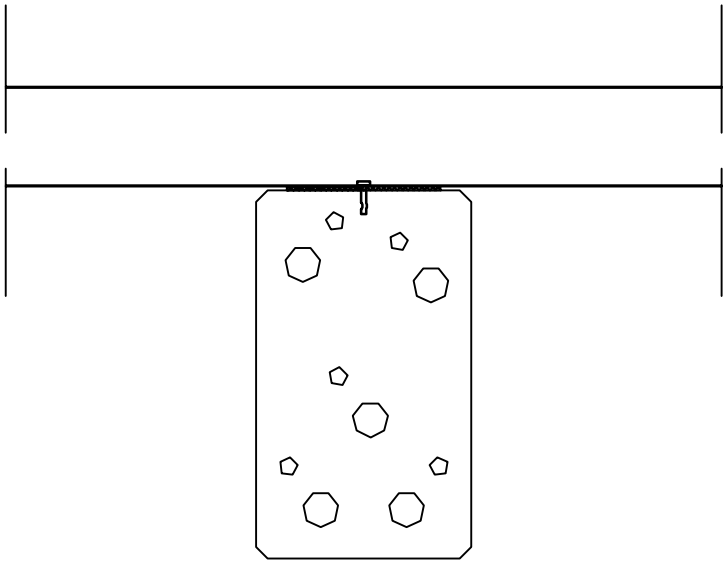
* - lenght, type of endlap, number of screws according to structural design

1. Ruukki load-bearing sheet
2. Primary structure according to structural design
3. Fastener in every flange against support
4. Fastener
5. Fastener for estetical reasons

Section Y-Y drawing no IN 02

RUUKKI		Contents of drawing Load-bearing sheets - structural detail Fastening to concrete	
12.09.2005	Rev. date 07.04.2011	Work nr. IN00A4013	Drw. nr. IN 13 Rev. 01
Drawn by Ruukki	Rev. .		
Scale 1:5	Building		File nr. IN00A4013

Fastening of load-bearing sheet to concrete

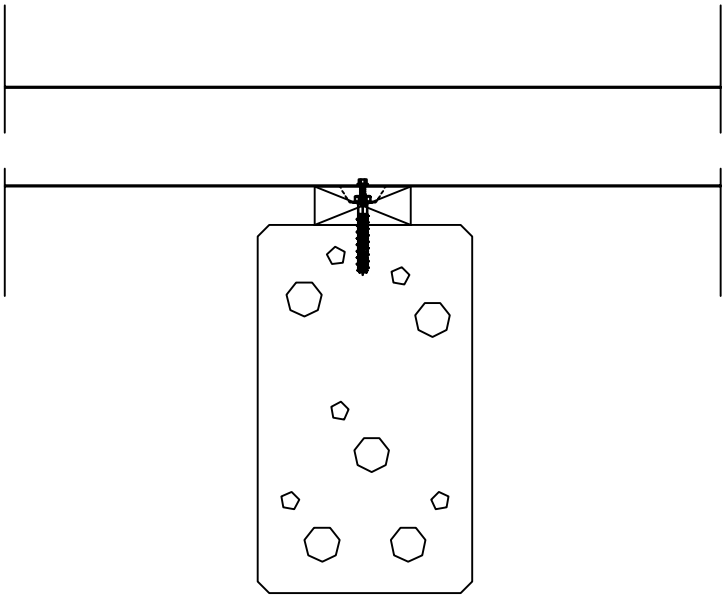


Attention:

1. Fastening directly to concrete must be avoided
2. E.g. 5 mm thick sealing strip is installed between load-bearing sheet and concrete
3. Fastening of sheet can be done with e.g. spike metallic anchor + sealing
4. The quality and number of fasteners according to structural designer specification

RUUKKI		Contents of drawing Load-bearing sheets - structural detail Fastening to concrete/wood		
12.09.2005	Rev. date 07.04.2011	Work nr. IN00A4014	Drw. nr. IN 14	Rev. 01
Drawn by Ruukki	Rev. .			
Scale 1:5	Building		File nr. IN00A4014	

Fastening of load-bearing sheet to concrete/wood

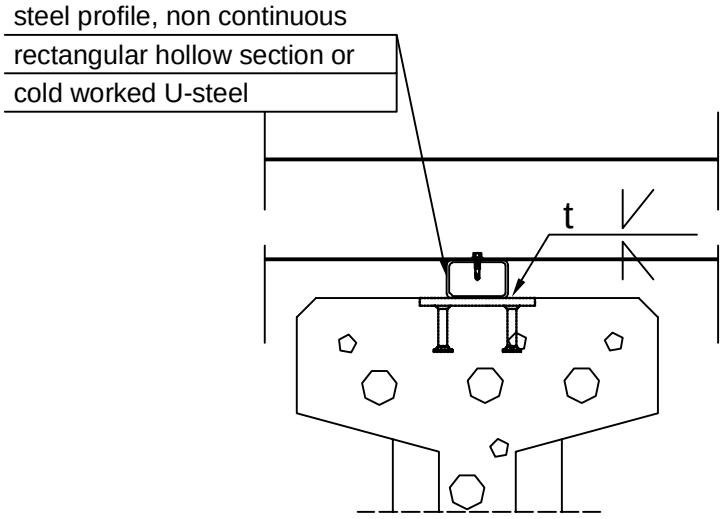


Attention:

1. Wood is installed onto concrete structure, fastening e.g. with wedge anchors
2. Load-bearing sheet is fastened to wood e.g. with self-drilling wood screws
3. The quality and number of fasteners according to structural designer specification

RUUKKI		Contents of drawing Load-bearing sheets - structural detail Fastening to prestressed concrete structures	
12.09.2005	Rev. date 07.04.2011	Work nr. IN00A4015	Drw. nr. IN 15 Rev. 01
Drawn by Ruukki	Rev. .		
Scale 1:5	Building		File nr. IN00A4015

Fastening of load-bearing sheet to prestressed concrete structures

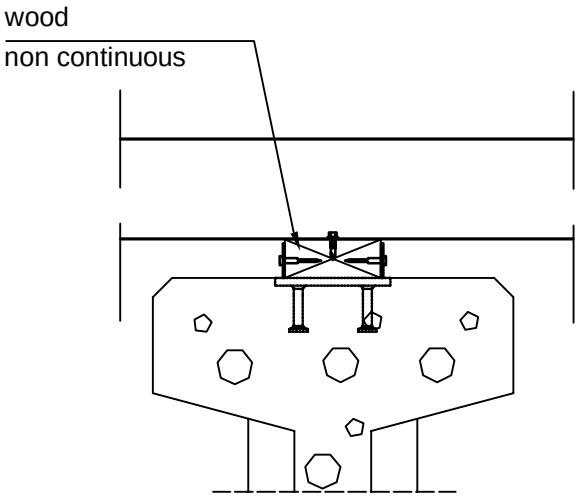


Attention:

1. Steel profile is installed onto concrete structure, fastening to fastening plates in the prestressed concrete structure
2. Load-bearing sheet is fastened to steel profile with e.g. self-drilling screws
3. The quality and number of fasteners according to structural designer specification

RUUKKI		Contents of drawing Load-bearing sheets - structural detail Fastening to prestressed concrete structures	
12.09.2005	Rev. date 07.04.2011	Work nr. IN00A4016	Drw. nr. IN 16 Rev. 01
Drawn by Ruukki	Rev. .		
Scale 1:5	Building		File nr. IN00A4016

Fastening of load-bearing sheet to prestressed concrete structures



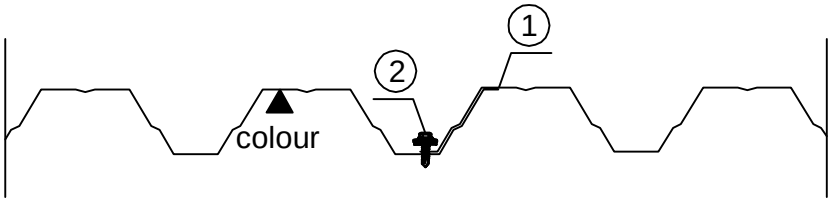
Attention:

1. Wood is installed onto concrete structure, fastening to steel plates welded to fastening plates in the prestressed concrete structure with coach screws
2. Load-bearing sheet is fastened to wood with e.g. self-drilling wood screws
3. The quality and number of fasteners according to structural designer specification

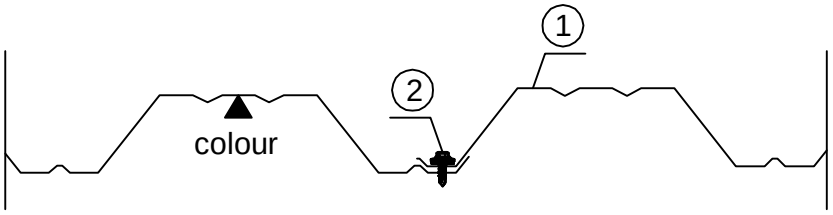
RUUKKI		Contents of drawing Load-bearing sheet - Insulated roof Installation - Sidelap		
Date 18.10.2005	Rev. date 07.04.2011	Work nr. IN00A4017	Drw. nr. IN 17	Rev. 01
Drawn by Ruukki	Rev. .			
Scale 1:5	Building		File nr. IN00A4017	

Standard sidelap of load-bearing sheets - Insulated roof*

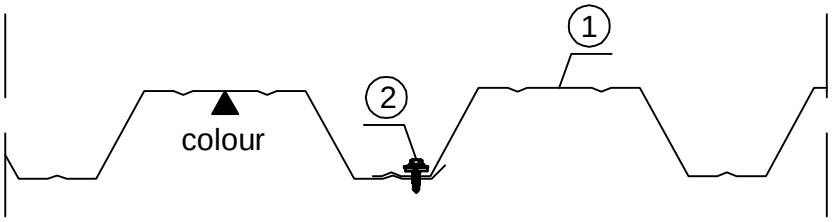
Profile T45



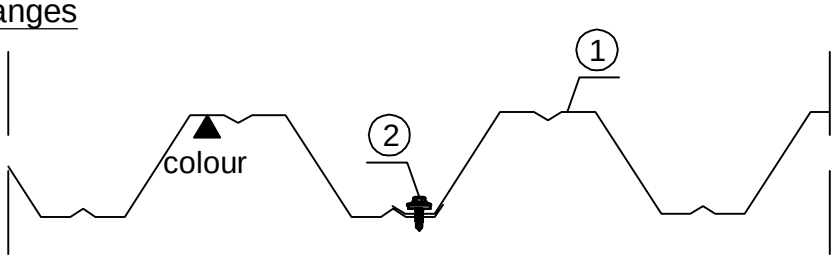
Profile T55



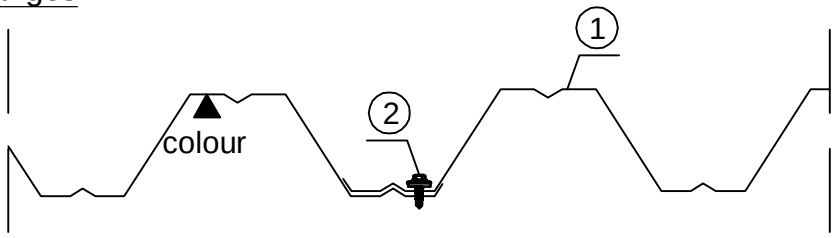
Profile T60



Profile T70 - 5-flanges



Profile T70 - 4-flanges



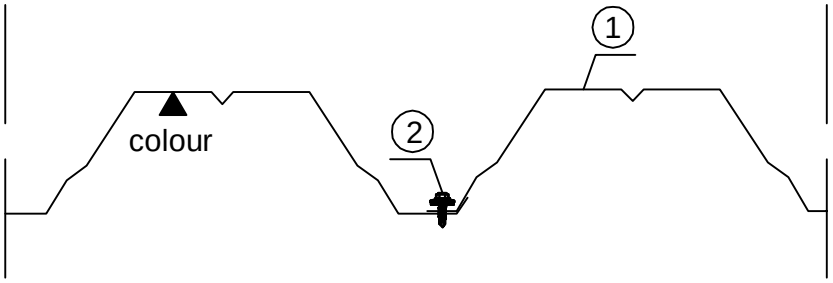
* - flange and fastener number according to structural design

1. Ruukki load-bearing sheet
2. Fastener on sidelaps c\c max 500 mm

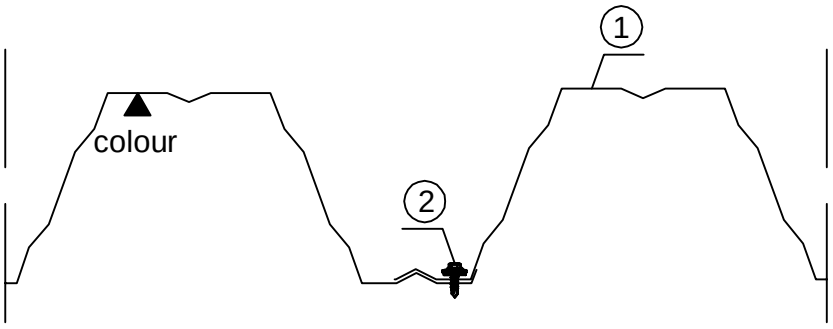
RUUKKI		Contents of drawing Load bearing sheet - Insulated roof Installation - Sidelap		
Date 18.10.2005	Rev. date 07.04.2011	Work nr. IN00A4018	Drw. nr. IN 18	Rev. 01
Drawn by Ruukki	Rev. .			
Scale 1:5	Building		File nr. IN00A4018	

Standard sidelap of load bearing sheets - Insulated roof *

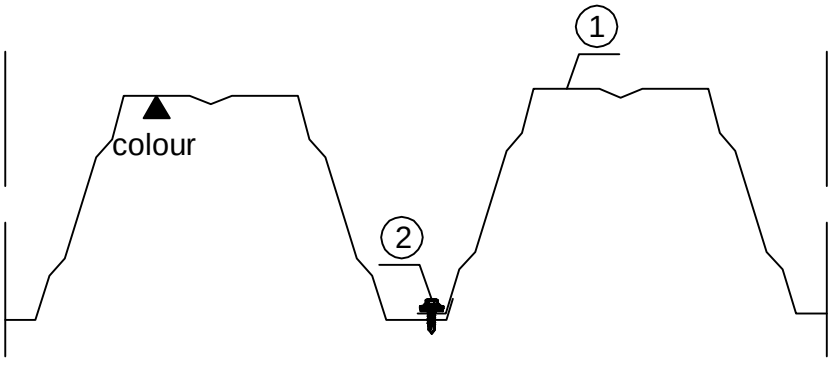
Profile T85



Profile T130



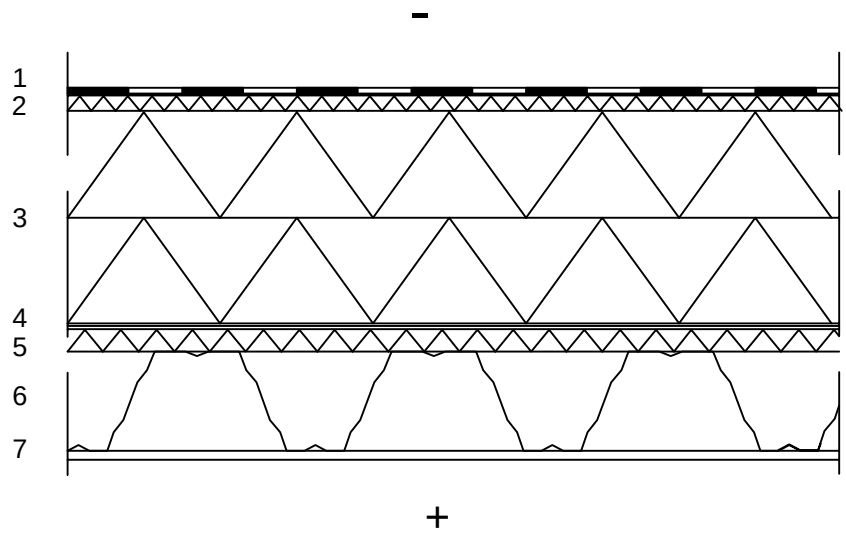
Profil 153 A



* - flange and fastener number according to structural design

1. Ruukki load-bearing sheet
2. Fastener on sidelaps c\c max 500 mm

RUUKKI		Contents of drawing Load-bearing sheet Structural detail Flat roofs - 1	
Date 15.12.2000	Rev. date 04.08.2021	Work nr. .	Drw. nr. Rev. IN 19 02
Drawn by Ruukki	Rev. ..		
Scale :	Building		File nr. IN00A4019



STRUCTURAL LAYERS

1 WATER INSULATION
2 THERMAL INSULATION, SUITED FOR WATER INSULATION'S BASE
3 THERMAL INSULATION
4 VAPOUR BARRIER, NET REINFORCED ALUMINIUM COATED PLASTIC, OVERLAPPING 200 mm + TAPING
5 THERMAL INSULATION, LOAD BEARING INSULATION, THAT SUPPORTS VAPOUR BARRIER
6 LOAD-BEARING PROFILED SHEET ACCORDING TO CONSTRUCTION DRAWING
7 FIRE PROTECTION, WHEN NECESSARY

INSTRUCTIONS

Water insulation is fastened mechanically through thermal insulation to support structure. If the used water insulation requires ventilation ducts in the thermal insulation, it has to be made sure that they are continous. Replacement air is provided to the ventilation ducts at eaves and exthaust ventilation is arranged e.g. with inward relief valves according to construction drawing. Water insulation class in compliance with construction drawing. Counter inclinations ≥ 1:60.

Thickness of the thermal insulation layer is determined by the used insulation material so that the structure conforms to required U-value.

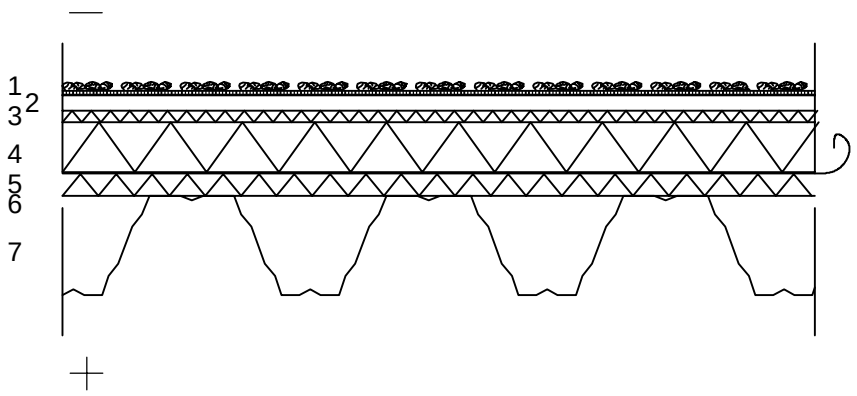
For acoustic purposes a load-bearing structure with acoustic perforation can be chosen. In which case it has to be made sure with a separate dust suppression cloth, that the load-bearing sheet's upper damping insulation is dustless.

Structure's fire resistance time can be influenced with underneath covering. Structural designer determines the covering according to the required fire resistance time.

APPLICATIONS

Flat roofs with inclinations 1:20-1:40

RUUKKI		Contents of drawing Load-bearing sheet Structural detail Flat roofs - 2	
Date 15.12.2000	Rev. date 04.08.2021	Work nr. .	Drw. nr. IN 20 Rev. 02
Drawn by Ruukki	Rev. ..		
Scale :	Building		File nr. IN00A4020



STRUCTURAL LAYERS

1 PROTECTIVE GRAVEL, d= 8...20, ≥35 kg/m2
2 WATER INSULATION
3 THERMAL INSULATION
4 THERMAL INSULATION, SLOTTED
5 VAPOUR BARRIER, NET REINFORCED ALUMINIUM COATED PLASTIC, OVERLAPPING 200 mm + TAPING
6 THERMAL INSULATION, LOAD BEARING INSULATION, THAT SUPPORTS VAPOUR BARRIER
7 LOAD-BEARING PROFILED SHEET WITH ACOUSTIC PERFORATION ACCORDING TO CONSTRUCTION DRAWING

INSTRUCTIONS

Water insulation is fastened mechanically through thermal insulation to support structure. If the used water insulation requires ventilation ducts in the thermal insulation, it has to be made sure that they are continous. Replacement air is provided to the ventilation ducts at eaves and exthaust ventilation is arranged e.g. with inward relief valves according to construction drawing. Water insulation class in compliance with construction drawing. Counter inclinations ≥ 1:60.

Thickness of the thermal insulation layer is determined by the used insulation material so that the structure conforms to required U-value.

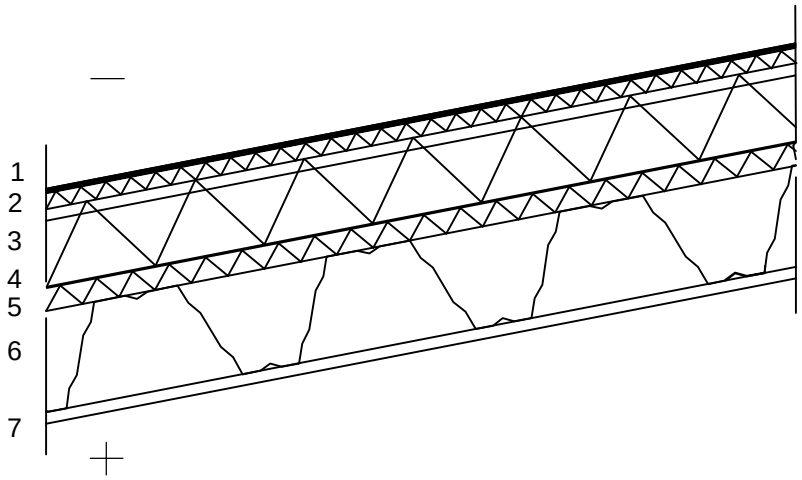
For acoustic purposes a load-bearing structure with acoustic perforation can be chosen. In which case it has to be made sure with a separate dust suppression cloth, that the load-bearing sheet's upper damping insulation is dustless.

Structure's fire resistance time can be influenced with underneath covering. Structural designer determines the covering according to the required fire resistance time.

APPLICATIONS

Flat roofs with inclinations 1:20-1:40

		Contents of drawing Load-bearing sheet Structural detail Double pitched roofs or similar - 1	
Date 15.12.2000	Rev. date 04.08.2021	Work nr. .	Drw. nr. IN 21 Rev. 02
Drawn by Ruukki	Rev. ..		
Scale :	Building		File nr. IN00A4021



STRUCTURAL LAYERS

1 WATER INSULATION
2 THERMAL INSULATION
3 THERMAL INSULATION, SLOTTED
4 VAPOUR BARRIER, NET REINFORCED ALUMINIUM COATED PLASTIC, OVERLAPPING 200 mm + TAPING
5 THERMAL INSULATION, LOAD BEARING INSULATION, THAT SUPPORTS VAPOUR BARRIER
6 LOAD-BEARING PROFILED SHEET ACCORDING TO CONSTRUCTION DRAWING
7 FIRE PROTECTION, WHEN NECESSARY

INSTRUCTIONS

Water insulation is fastened mechanically through thermal insulation to support structure. If the used water insulation requires ventilation ducts in the thermal insulation, it has to be made sure that they are continous. Replacement air is provided to the ventilation ducts at eaves and exthaust ventilation is arranged e.g. with inward relief valves according to construction drawing. Water insulation class in compliance with construction drawing. Counter inclinations ≥ 1:60.

Thickness of the thermal insulation layer is determined by the used insulation material so that the structure conforms to required U-value.

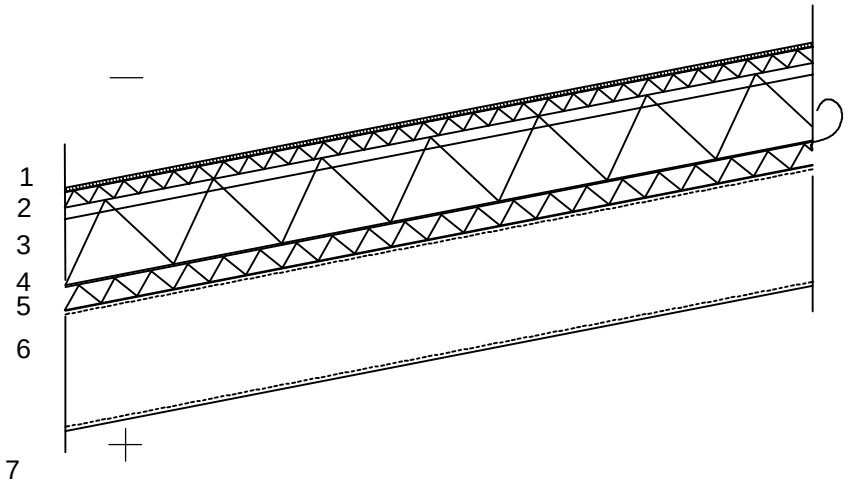
For acoustic purposes a load-bearing structure with acoustic perforation can be chosen. In which case it has to be made sure with a separate dust suppression cloth, that the load-bearing sheet's upper damping insulation is dustless.

Structure's fire resistance time can be influenced with underneath covering. Structural designer determines the covering according to the required fire resistance time.

APPLICATIONS

Double pitched roofs or similar with inclinations $\geq$1:40

RUUKKI		Contents of drawing Load-bearing sheet Structural detail Double pitched roofs or similar - 2		
Date 15.12.2000	Rev. date 04.08.2021	Work nr. .	Drw. nr. IN 22	Rev. 02
Drawn by Ruukki	Rev. ..			
Scale :	Building		File nr. IN00A4022	



STRUCTURAL LAYERS

1 WATER INSULATION
2 THERMAL INSULATION
3 THERMAL INSULATION, SLOTTED
4 VAPOUR BARRIER, NET REINFORCED ALUMINIUM COATED PLASTIC, OVERLAPPING 200 mm + TAPING
5 THERMAL INSULATION, LOAD BEARING INSULATION, THAT SUPPORTS VAPOUR BARRIER
6 LOAD-BEARING SHEET WITH ACOUSTIC PERFORATION ACCORDING TO CONSTRUCTION DRAWING
7 SECONDARY STRUCTURE ACCORDING TO CONSTRUCTION DRAWING

INSTRUCTIONS

Water insulation is fastened mechanically through thermal insulation to support structure. If the used water insulation requires ventilation ducts in the thermal insulation, it has to be made sure that they are continous. Replacement air is provided to the ventilation ducts at eaves and exthaust ventilation is arranged e.g. with inward relief valves according to construction drawing. Water insulation class in compliance with construction drawing. Counter inclinations ≥ 1:60.

Thickness of the thermal insulation layer is determined by the used insulation material so that the structure conforms to required U-value.

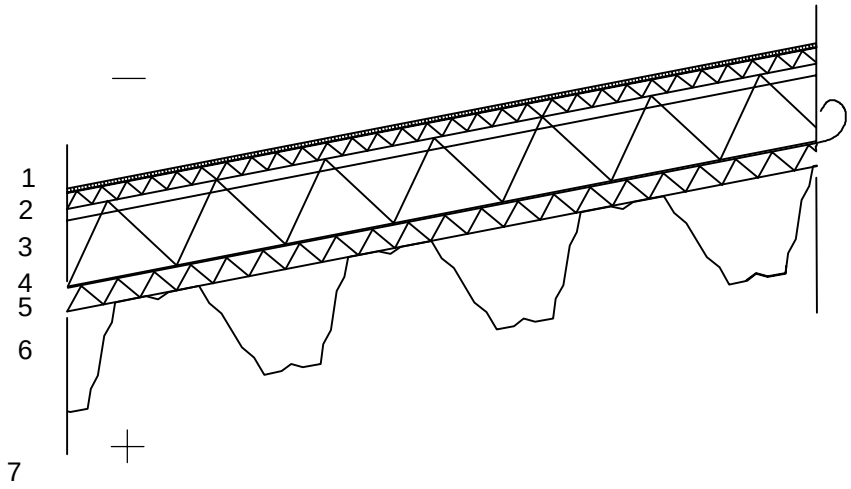
For acoustic purposes a load-bearing structure with acoustic perforation can be chosen. In which case it has to be made sure with a separate dust suppression cloth, that the load-bearing sheet's upper damping insulation is dustless.

Structure's fire resistance time can be influenced with underneath covering. Structural designer determines the covering according to the required fire resistance time.

APPLICATIONS

Shortening reverberation time
Double pitched roofs or similar with inclinations $\geq$1:40

RUUKKI		Contents of drawing Load-bearing sheet Structural detail Double pitched roofs or similar - 3	
Date 15.12.2000	Rev. date 04.08.2021	Work nr. .	Drw. nr. IN 23
Drawn by Ruukki	Rev. ..		Rev. 02
Scale :	Building		File nr. IN00A4023



STRUCTURAL LAYERS

1 WATER INSULATION
2 THERMAL INSULATION
3 THERMAL INSULATION, SLOTTED
4 VAPOUR BARRIER, NET REINFORCED ALUMINIUM COATED PLASTIC, OVERLAPPING 200 mm + TAPING
5 THERMAL INSULATION, LOAD BEARING INSULATION, THAT SUPPORTS VAPOUR BARRIER
6 LOAD-BEARING PROFILED SHEET WITH ACOUSTIC PERFORATION ACCORDING TO CONSTRUCTION DRAWING
7 SECONDARY STRUCTURE ACCORDING TO CONSTRUCTION DRAWING

INSTRUCTIONS

Water insulation is fastened mechanically through thermal insulation to support structure. If the used water insulation requires ventilation ducts in the thermal insulation, it has to be made sure that they are continous. Replacement air is provided to the ventilation ducts at eaves and exthaust ventilation is arranged e.g. with inward relief valves according to construction drawing. Water insulation class in compliance with construction drawing. Counter inclinations ≥ 1:60.

Thickness of the thermal insulation layer is determined by the used insulation material so that the structure conforms to required U-value.

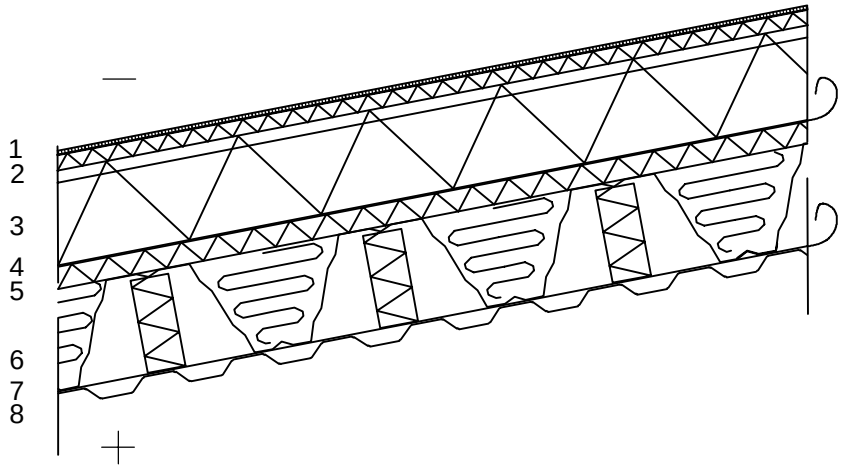
For acoustic purposes a load-bearing structure with acoustic perforation can be chosen. In which case it has to be made sure with a separate dust suppression cloth, that the load-bearing sheet's upper damping insulation is dustless.

Structure's fire resistance time can be influenced with underneath covering. Structural designer determines the covering according to the required fire resistance time.

APPLICATIONS

Shortening reverberation time
Double pitched roofs or similar with inclinations ≥1:40

RUUKKI		Contents of drawing Load-bearing sheet Structural detail Double pitched roofs or similar - 4	
Date 15.12.2000	Rev. date 04.08.2021	Work nr.	Drw. nr. IN 24 Rev. 02
Drawn by Ruukki	Rev. ..	.	
Scale :	Building		File nr. IN00A4024



STRUCTURAL LAYERS

1 WATER INSULATION
2 THERMAL INSULATION
3 THERMAL INSULATION, SLOTTED
4 VAPOUR BARRIER, NET REINFORCED ALUMINIUM COATED PLASTIC, OVERLAPPING 200 mm + TAPING
5 THERMAL INSULATION, LOAD BEARING INSULATION, THAT SUPPORTS VAPOUR BARRIER
6 LOAD-BEARING PROFILED SHEET WITH ACOUSTIC PERFORATION ACCORDING TO CONSTRUCTION DRAWING, WOOL BACKFILL IN FLANGES
7 DUST SUPPRESSION CLOTH
8 PERFORATED LOW PROFILE

INSTRUCTIONS

Water insulation is fastened mechanically through thermal insulation to support structure. If the used water insulation requires ventilation ducts in the thermal insulation, it has to be made sure that they are continous. Replacement air is provided to the ventilation ducts at eaves and exthaust ventilation is arranged e.g. with inward relief valves according to construction drawing. Water insulation class in compliance with construction drawing. Counter inclinations ≥ 1:60.

Thickness of the thermal insulation layer is determined by the used insulation material so that the structure conforms to required U-value.

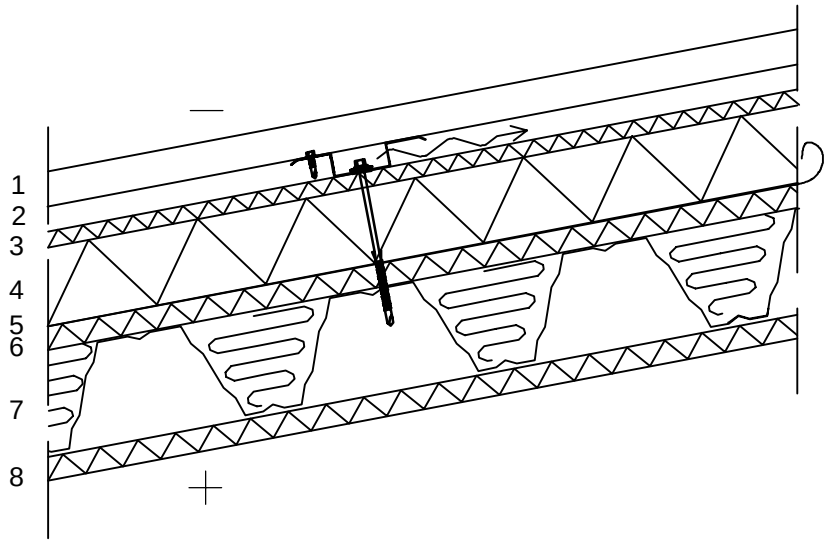
For the acoustic purposes, a load-bearing structure with acoustic perforation can be chosen. Also, acoustic infill is recommended to confirm the required absorption class (A-E). A separate dust suppression cloth is recommended to prevent any insulation wool dust from entering the inside room.

Structure's fire resistance time can be influenced with underneath covering. Structural designer determines the covering according to the required fire resistance time.

APPLICATIONS

Shortening reverberation time
Double pitched roofs or similar with inclinations ≥1:40

RUUKKI		Contents of drawing Load-bearing sheet Structural detail Double pitched roofs or similar - 5		
Date 15.12.2000	Rev. date 04.08.2021	Work nr. .	Drw. nr. IN 25	Rev. 02
Drawn by Ruukki	Rev. ..			
Scale :	Building		File nr. IN00A4025	



STRUCTURAL LAYERS

1 WATER INSULATION, PROFILED SHEET,
ANTI-CONDENSATION COAT ON LOWER SURFACE
2 VENTILATING STEEL BATTEN
3 THERMAL INSULATION
4 THERMAL INSULATION
5 VAPOUR BARRIER, NET REINFORCED ALUMINIUM COATED PLASTIC,
OVERLAPPING 200 mm + TAPING
6 THERMAL INSULATION, LOAD BEARING INSULATION,
THAT SUPPORTS VAPOUR BARRIER
7 LOAD-BEARING PROFILED SHEET ACCORDING TO CONSTRUCTION DRAWING
(ACOUSTIC PERFORATION, WOOL BACKFILL IN FLANGES, WHEN NECESSARY)
8 FIRE PROTECTION, WHEN NECESSARY

INSTRUCTIONS

Water insulation is fastened mechanically through thermal insulation to support structure. If the used water insulation requires ventilation ducts in the thermal insulation, it has to be made sure that they are continous. Replacement air is provided to the ventilation ducts at eaves and exthaust ventilation is arranged e.g. with inward relief valves according to construction drawing. Water insulation class in compliance with construction drawing.

Thickness of the thermal insulation layer is determined by the used insulation material so that the structure conforms to required U-value.

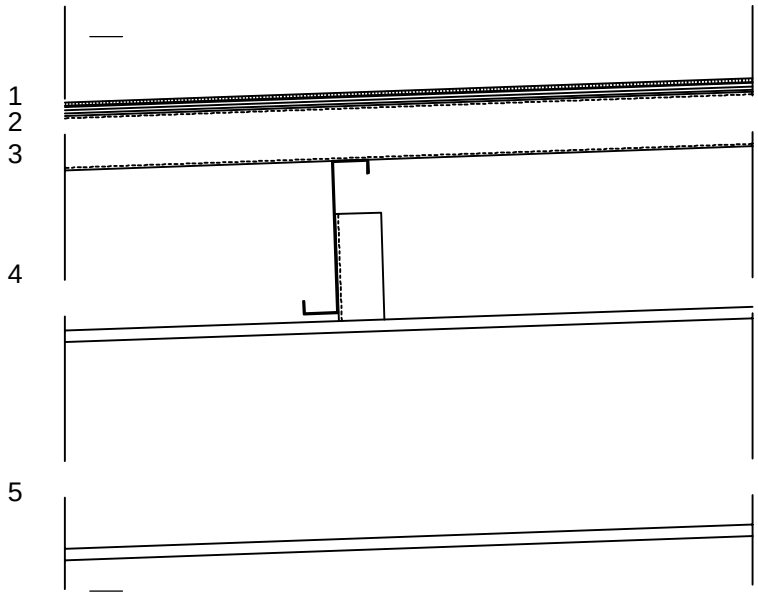
For acoustic purposes a load-bearing structure with acoustic perforation can be chosen. In which case it has to be made sure with a separate dust suppression cloth, that the load-bearing sheet's upper damping insulation is dustless. The fire protection wool also acts like acoustic insulation.

Structure's fire resistance time can be influenced with underneath covering. Also the acoustic infill increases the fire resistance time. Structural designer determines the covering according to the required fire resistance time.

APPLICATIONS

Double pitched roofs or similar with inclinations $\geq$1:10

RUUKKI		Contents of drawing Load-bearing sheet Structural detail Warehouse roofs - 1	
Date 15.12.2000	Rev. date 21.7.2011	Work nr. .	Drw. nr. IN 26
Drawn by Ruukki	Rev. ..		Rev. 01
Scale :	Building		File nr. IN00A4026



STRUCTURAL LAYERS

1 WATER INSULATION
2 WEATHERING PLYWOOD
3 LOAD-BEARING PROFILED SHEET ACCORDING TO CONSTRUCTION DRAWING, ANTI-CONDENSATION COATING ON THE SHEET'S LOWER SURFACE, WHEN NECESSARY
4 PURLIN STRUCTURE ACCORDING TO CONSTRUCTION DRAWING
5 LOAD-BEARING STEEL FRAME ACCORDING TO CONSTRUCTION DRAWING

INSTRUCTIONS

Water insulation class in compliance with construction drawing
Counter inclinations $\geq$1:60

APPLICATIONS

Warehouse roofs, inclinations $\geq$1:40

RUUKKI		Contents of drawing Load-bearing sheet Structural detail Warehouse roofs - 2	
Date 15.12.2000	Rev. date 21.7.2011	Work nr. .	Drw. nr. Rev. IN 27 01
Drawn by Ruukki	Rev. ..		
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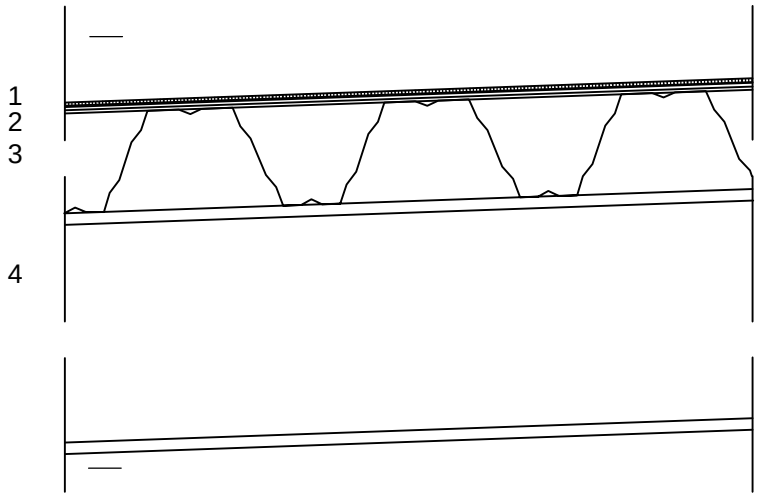


STRUCTURAL LAYERS

1 WATER INSULATION
2 WEATHERING PLYWOOD
3 LOAD-BEARING PROFILED SHEET ACCORDING TO CONSTRUCTION DRAWING, ANTI-CONDENSATION COATING ON THE SHEET'S LOWER SURFACE, WHEN NECESSARY
4 LOAD-BEARING STEEL FRAME ACCORDING TO CONSTRUCTION DRAWING

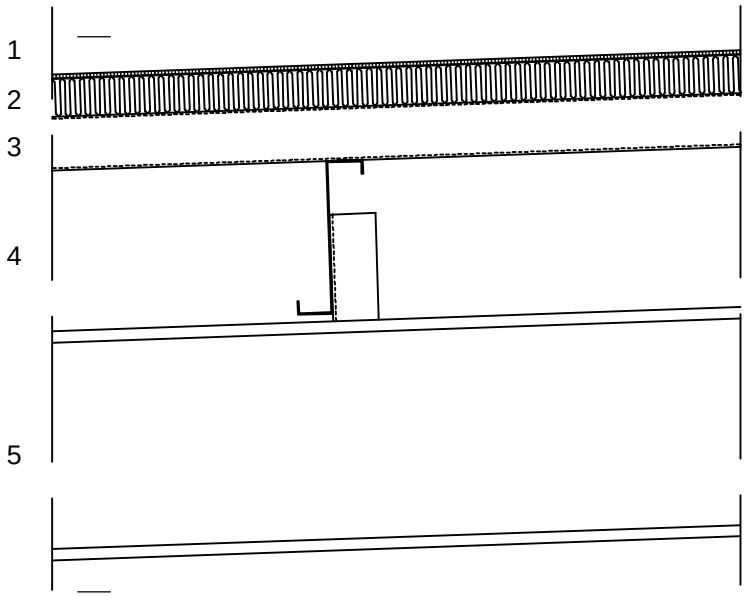
INSTRUCTIONS

Water insulation class in compliance with construction drawing
Counter inclinations ≥1:60

APPLICATIONS

Warehouse roofs, inclinations ≥1:40

RUUKKI		Contents of drawing Load-bearing sheet Structural detail Warehouse roofs - 3	
Date 15.12.2000	Rev. date 21.7.2011	Work nr. .	Drw. nr. Rev. In 28 01
Drawn by Ruukki	Rev. ..		
Scale :	Building		File nr. IN00A4028



STRUCTURAL LAYERS

1 WATER INSULATION
2 THERMAL INSULATION, SUITED FOR WATER INSULATION'S BASE
3 LOAD-BEARING PROFILED SHEET ACCORDING TO CONSTRUCTION DRAWING, ANTI-CONDENSATION COATING ON THE SHEET'S LOWER SURFACE, WHEN NECESSARY
4 PURLIN STRUCTURE ACCORDING TO CONSTRUCTION DRAWING
5 LOAD-BEARING STEEL STRUCTURE ACCORDING TO CONSTRUCTION DRAWING

INSTRUCTIONS

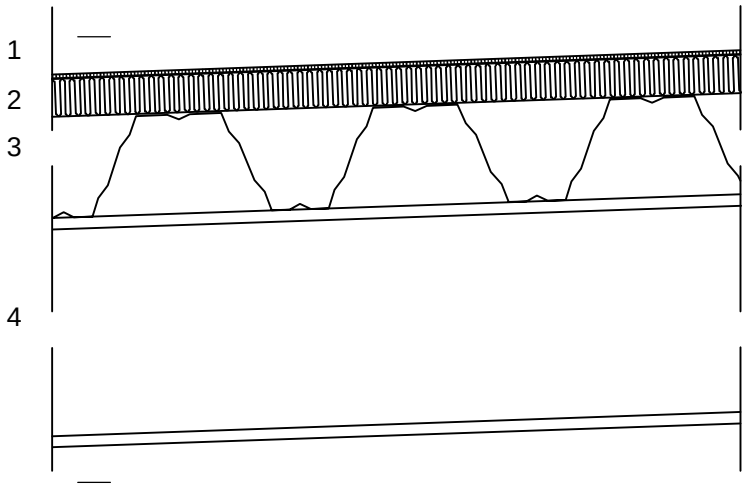
Water insulation is fastened mechanically through thermal insulation to support structure. If the used water insulation requires ventilation ducts in the thermal insulation, it has to be made sure that they are continous. Replacement air is provided to the ventilation ducts at eaves and exthaust ventilation is arranged e.g. with inward relief valves according to construction drawing. Water insulation class in compliance with construction drawing. Counter inclinations ≥ 1:60.

Thickness of the thermal insulation layer is determined by the used insulation material so that the structure conforms to required U-value.

APPLICATIONS

Warehouse roofs, inclinations ≥1:40

Contents of drawing Load-bearing sheet Structural detail Warehouse roofs - 4			
Date 15.12.2000	Rev. date 21.7.2011	Work nr. .	Drw. nr. Rev. IN 29 01
Drawn by Ruukki	Rev. ..		
Scale :	Building		File nr. IN00A4029



STRUCTURAL LAYERS

1 WATER INSULATION
2 THERMAL INSULATION, SUITED FOR WATER INSULATION'S BASE
3 LOAD-BEARING PROFILED SHEET ACCORDING TO CONSTRUCTION DRAWING, ANTI-CONDENSATION COATING ON THE SHEET'S LOWER SURFACE, WHEN NECESSARY
4 LOAD-BEARING STEEL STRUCTURE ACCORDING TO CONSTRUCTION DRAWING

INSTRUCTIONS

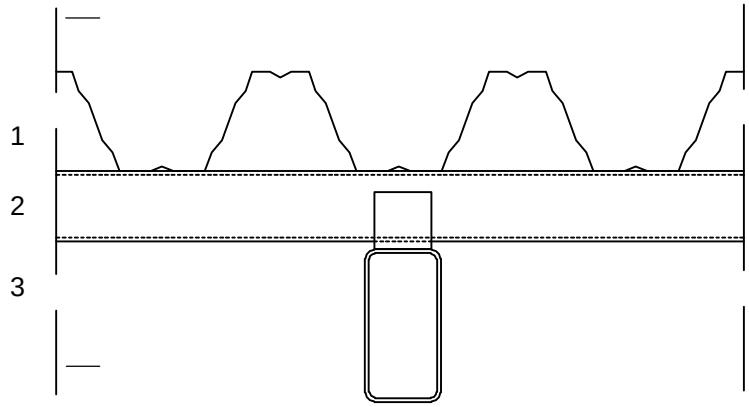
Water insulation is fastened mechanically through thermal insulation to support structure. If the used water insulation requires ventilation ducts in the thermal insulation, it has to be made sure that they are continous. Replacement air is provided to the ventilation ducts at eaves and exthaust ventilation is arranged e.g. with inward relief valves according to construction drawing. Water insulation class in compliance with construction drawing. Counter inclinations ≥ 1:60.

Thickness of the thermal insulation layer is determined by the used insulation material so that the structure conforms to required U-value.

APPLICATIONS

Warehouse roofs, inclinations $\geq$1:40

Contents of drawing Load-bearing sheet Structural detail Canopy and warehouse roofs			
Date 15.12.2000	Rev. date 21.7.2011	Work nr. .	Drw. nr. IN30 Rev. 01
Drawn by Ruukki	Rev. ..		
Scale :	Building		File nr. IN00A4030



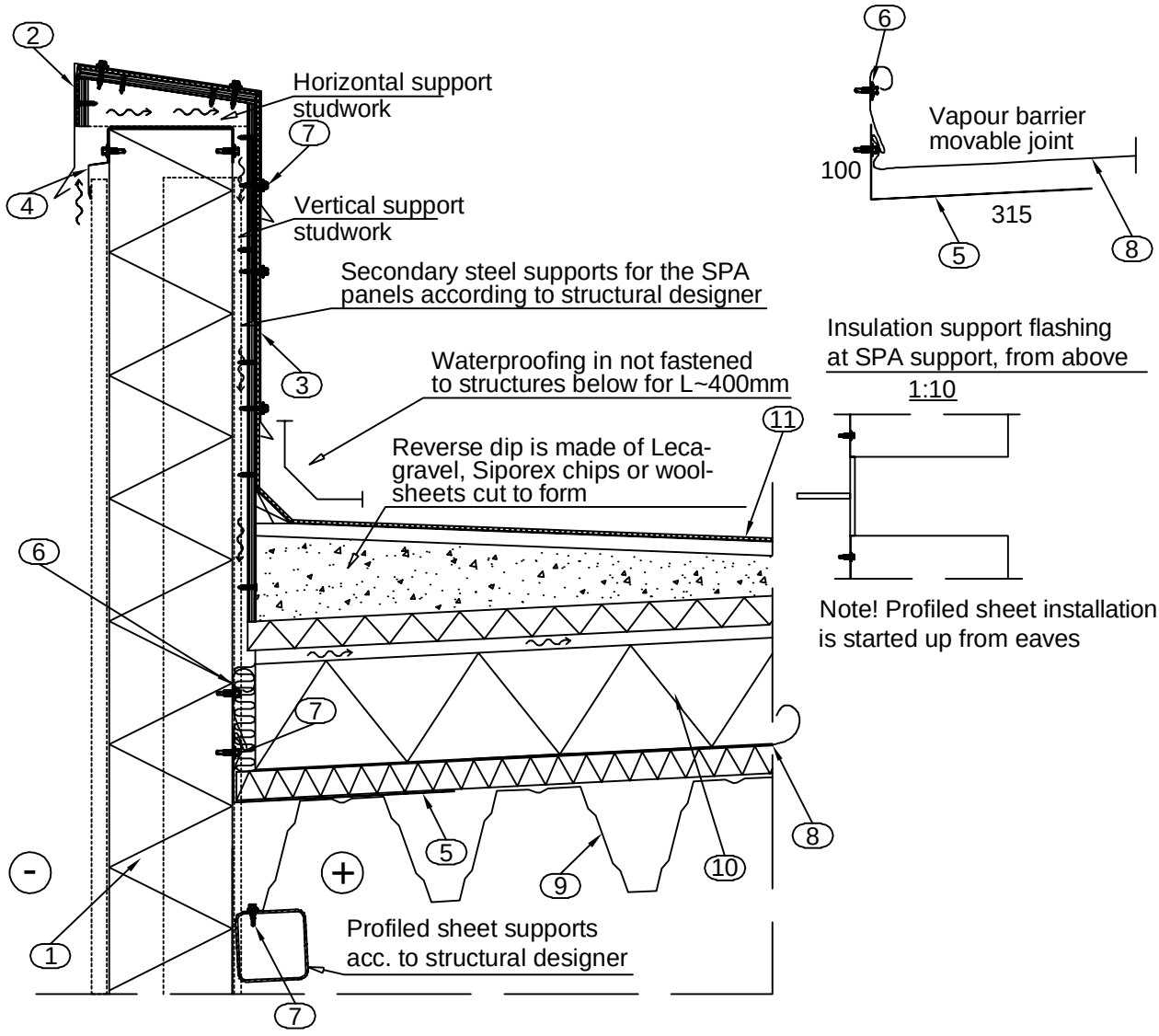
STRUCTURAL LAYERS

1 WATER INSULATION, LOAD-BEARING PROFILED SHEET ACCORDING TO CONSTRUCTION DRAWING, ANTI-CONDENSATION COATING ON THE SHEET'S LOWER SURFACE, WHEN NECESSARY
2 PURLIN STRUCTURE ACCORDING TO CONSTRUCTION DRAWING
3 LOAD-BEARING STRUCTURE ACCORDING TO CONSTRUCTION DRAWING

APPLICATIONS

Canopy and warehouse roofs inclinations $\geq$1:10

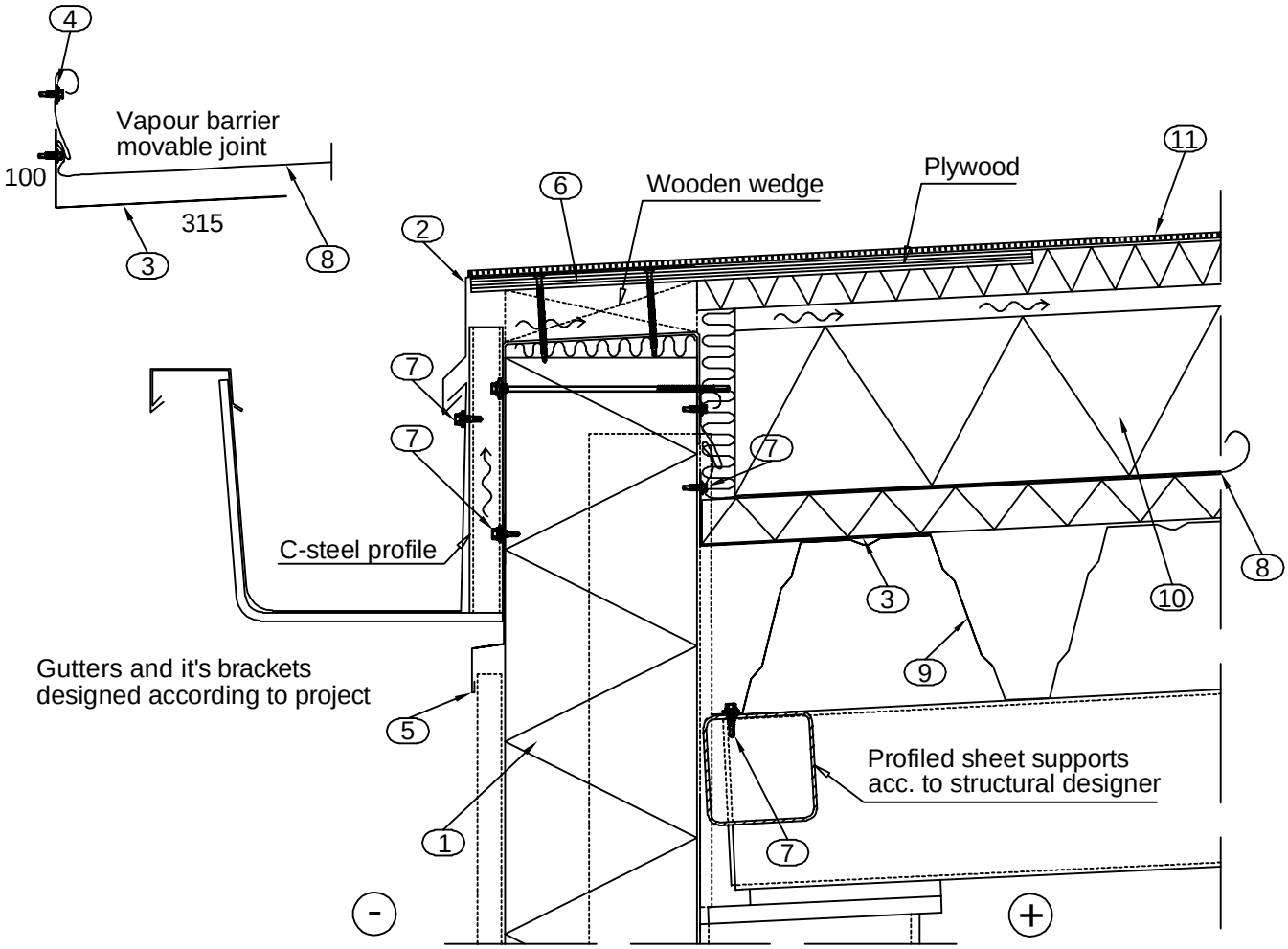
RUUKKI		Contents of drawing Load-bearing sheet Structural detail - 1	
Date 15.12.2000	Rev. date 04.08.2021	Work nr. .	Drw. nr. IN 31 Rev. 02
Drawn by Ruukki	Rev. ..		
Scale :	Building		File nr. IN00A4031



1. RUUKKI SANDWICH PANEL, HORIZONTAL MOUNTING
2. EAVE FLASHING
3. PROTECTIVE FLASHING
4. STORM FLASHING
5. INSULATION SUPPORT FLASHING, T=0.6MM
6. FLAT STEEL FOR VAPOUR BARRIER FIXING, T=0.6MM
7. FASTENER
8. VAPOUR BARRIER
9. LOAD-BEARING PROFILED SHEET
10. THERMAL INSULATION
11. WATER INSULATION

SEE ALSO SANDWICH PANEL SPA DETAIL: SPA06-1E-FI

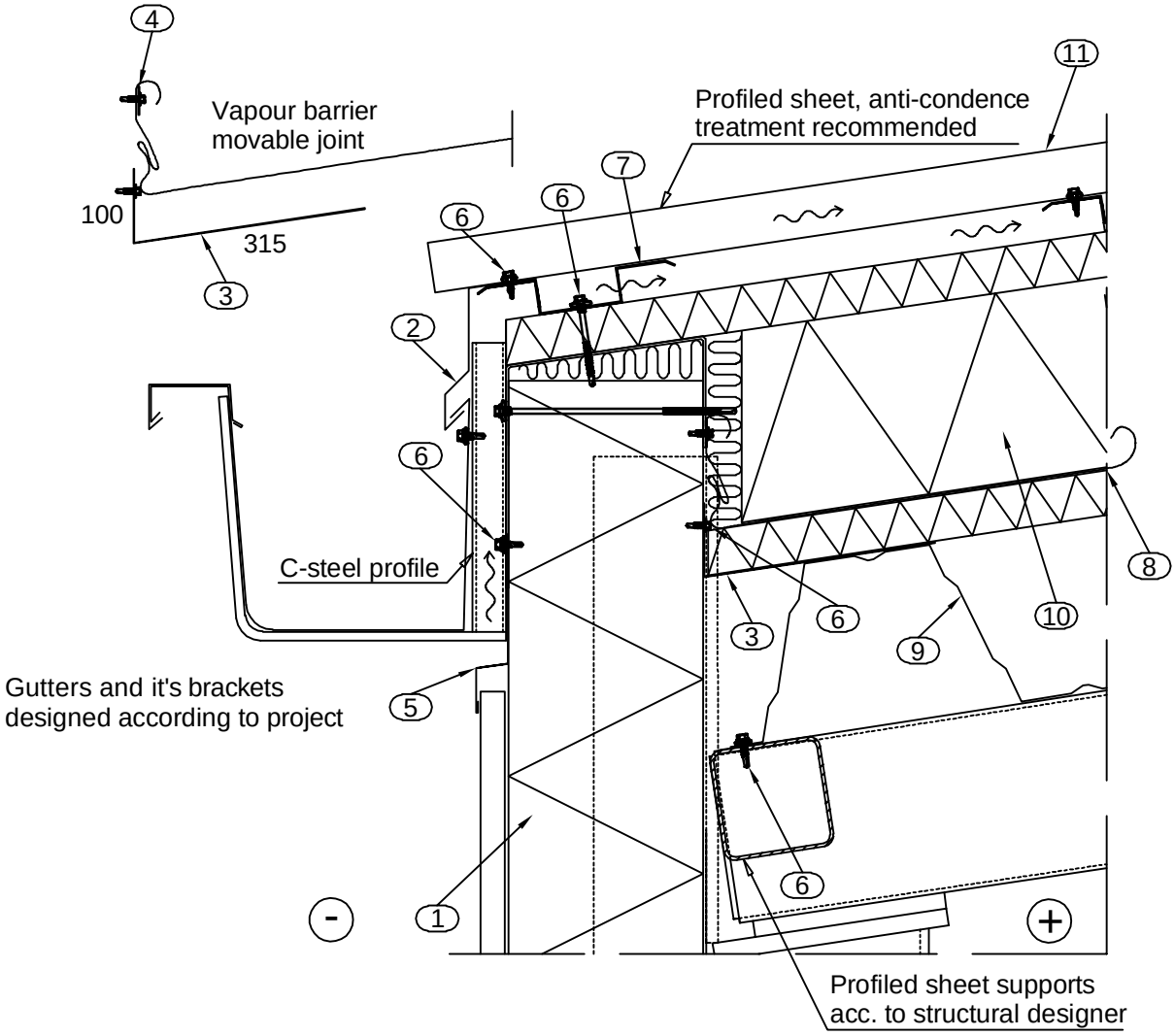
RUUKKI		Contents of drawing Load-bearing sheet Structural detail - 2	
Date 15.12.2000	Rev. date 04.08.2021	Work nr. .	Drw. nr. Rev. IN 32 02
Drawn by Ruukki	Rev. ..		
Scale :	Building		File nr. IN00A4032



1. RUUKKI SANDWICH PANEL, HORIZONTAL MOUNTING
2. EAVE FLASHING
3. INSULATION SUPPORT FLASHING, T=0.6MM
4. FLAT STEEL FOR VAPOUR BARRIER FIXING, T=0.6MM
5. STORM FLASHING
6. WOOD
7. FASTENER
8. VAPOUR BARRIER
9. LOAD-BEARING PROFILED SHEET
10. THERMAL INSULATION
11. WATER INSULATION

SEE ALSO SANDWICH PANEL SPA DETAIL: SPA06-11E-FI

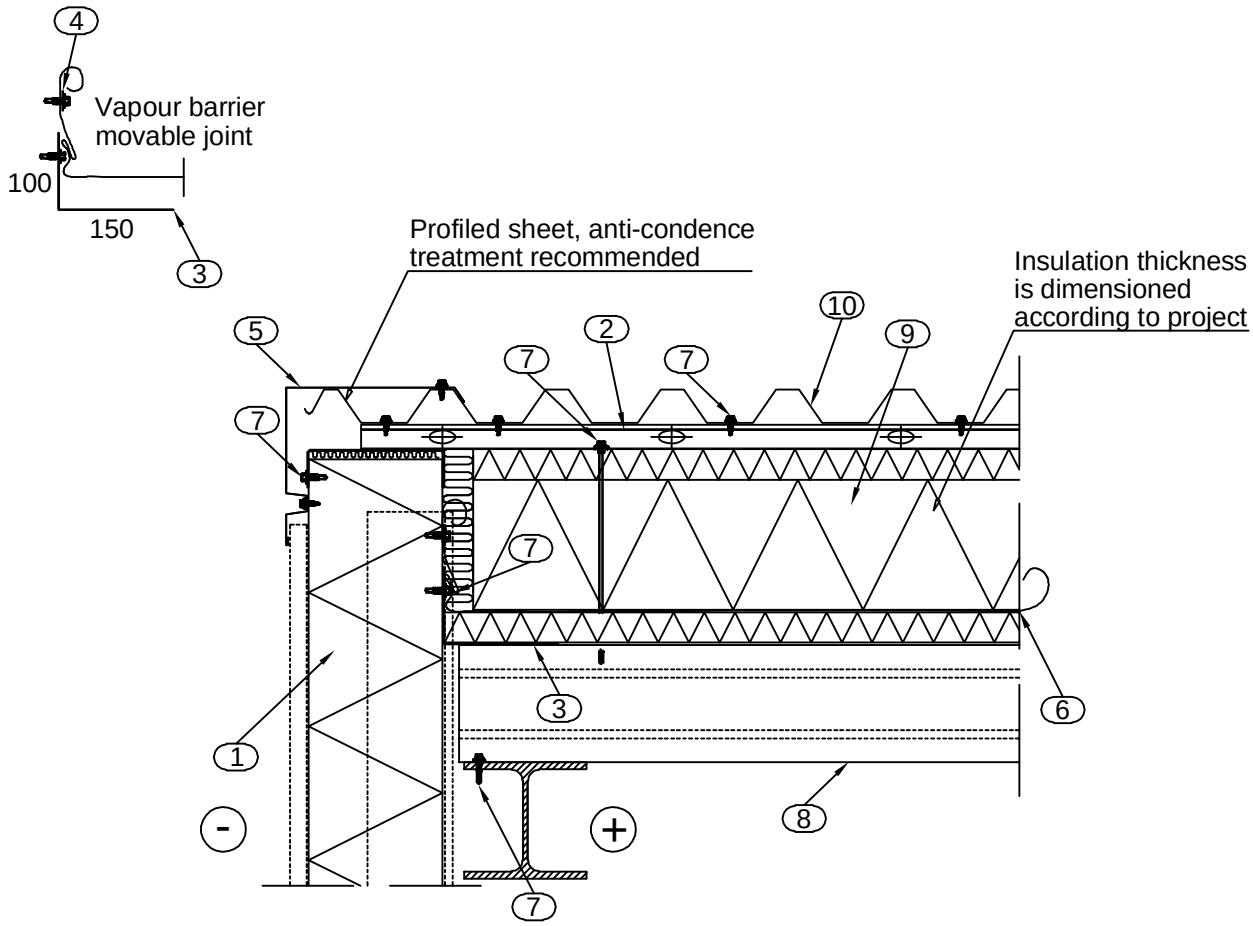
RUUKKI	Contents of drawing Load-bearing sheet Structural detail - 3		
Date 15.12.2000	Rev. date 04.08.2021	Work nr. .	Drw. nr. Rev. IN 33 02
Drawn by Ruukki	Rev. ..		
Scale :	Building		File nr. IN00A4033



1. RUUKKI SANDWICH PANEL, HORIZONTAL MOUNTING
2. EAVE FLASHING
3. INSULATION SUPPORT FLASHING, T=0.6MM
4. FLAT STEEL FOR VAPOUR BARRIER FIXING, T=0.6MM
5. STORM FLASHING
6. FASTENER
7. VENTILATING STEEL BATTEN
8. VAPOUR BARRIER
9. LOAD-BEARING PROFILED SHEET
10. THERMAL INSULATION
11. WATER INSULATION, PROFILED SHEET

SEE ALSO SANDWICH PANEL SPA DETAIL: SPA06-9E-FI

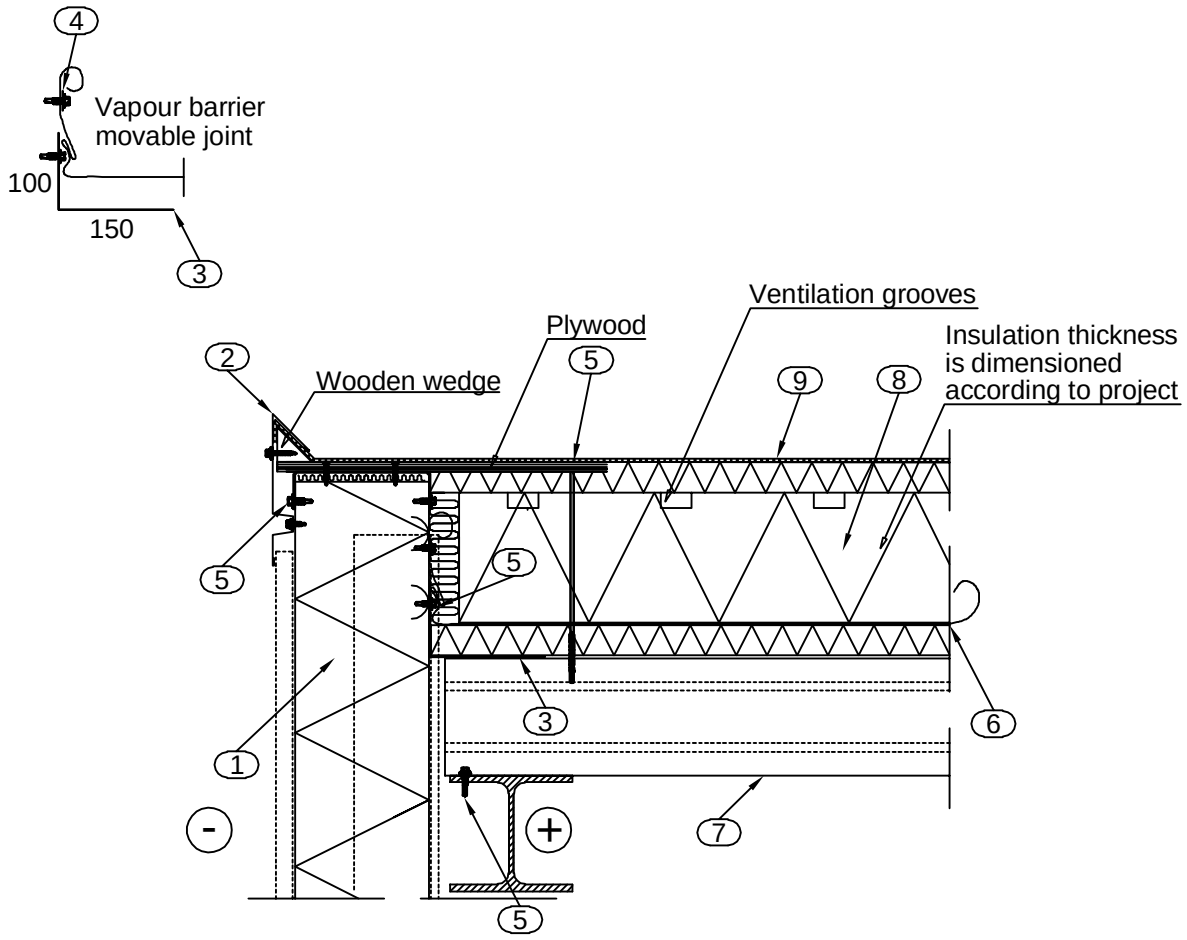
RUUKKI		Contents of drawing Load-bearing sheet Structural detail - 4	
Date 15.12.2000	Rev. date 04.08.2021	Work nr. .	Drw. nr. IN 34 Rev. 02
Drawn by Ruukki	Rev. ..		
Scale :	Building		File nr. IN00A4034



1. RUUKKI SANDWICH PANEL, HORIZONTAL MOUNTING
2. VENTILATING STEEL BATTEN
3. INSULATION SUPPORT FLASHING, T=0.6MM
4. FLAT STEEL FOR VAPOUR BARRIER FIXING, T=0.6MM
5. EAVE FLASHING
6. VAPOUR BARRIER
7. FASTENER
8. LOAD-BEARING PROFILED SHEET
9. THERMAL INSULATION
10. WATER INSULATION, PROFILED SHEET

SEE ALSO SANDWICH PANEL SPA DETAIL: SPA06-10E-FI

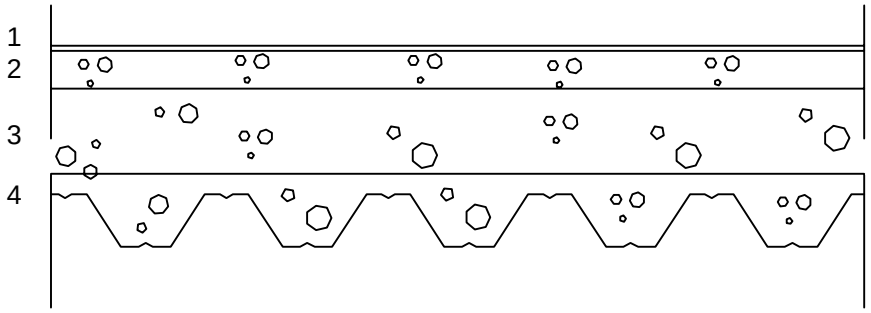
RUUKKI		Contents of drawing Load-bearing sheet Structural detail - 5	
Date 15.12.2000	Rev. date 04.08.2021	Work nr. .	Drw. nr. IN 35 Rev. 02
Drawn by Ruukki	Rev. ..		
Scale :	Building		File nr. rIN00A4035



1. RUUKKI SANDWICH PANEL, HORIZONTAL MOUNTING
2. EAVE FLASHING
3. INSULATION SUPPORT FLASHING, T=0.6MM
4. FLAT STEEL FOR VAPOUR BARRIER FIXING, T=0.6MM
5. FASTENER
6. VAPOUR BARRIER
7. LOAD-BEARING PROFILED SHEET
8. THERMAL INSULATION
9. WATER INSULATION, PROFILED SHEET

SEE ALSO SANDWICH PANEL SPA DETAIL: SPA06-12E-FI

RUUKKI		Contents of drawing Load-bearing sheet Structural detail Intermediate floor	
Date 15.12.2000	Rev. date 21.7.2011	Work nr. .	Drw. nr. Rev. IN 36 01
Drawn by Ruukki	Rev. ..		
Scale :	Building		File nr. IN00A4036



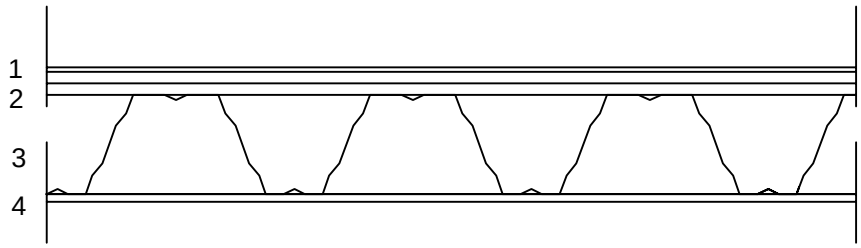
STRUCTURAL LAYERS

1 SURFACE MATERIAL ACCORDING TO DESIGNER SPECIFICATION
2 TOPPING
3 REINFORCED CONCRETE SLAB
ACCORDING TO CONSTRUCTION DRAWING
4 LOAD-BEARING PROFILED SHEET MOULD
ACCORDING TO CONSTRUCTION DRAWING
REINFORCEMENTS ACCORDING TO CONSTRUCTION DRAWING

APPLICATIONS

Concrete floors

		Contents of drawing Load-bearing sheet Structural detail Light-weight intermediate floor	
Date 15.12.2000	Rev. date 21.7.2011	Work nr. .	Drw. nr. Rev. IN 37 01
Drawn by Ruukki	Rev. ..		
Scale :	Building		File nr. IN00A4037



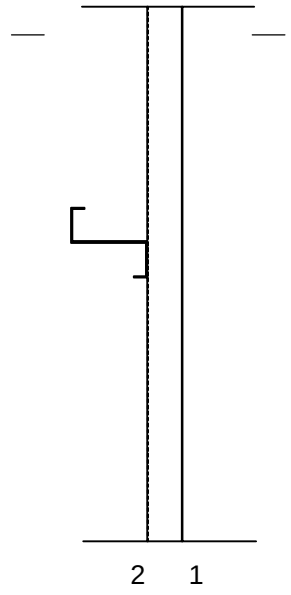
STRUCTURAL LAYERS

1 SURFACE MATERIAL ACCORDING TO DESIGNER SPECIFICATION
2 BUILDING BOARD(S), FASTENING ACCORDING TO CONSTRUCTION DRAWING
3 LOAD-BEARING PROFILED SHEET ACCORDING TO CONSTRUCTION DRAWING
4 FIRE PROTECTION, WHEN NECESSARY
CLADDING ACCORDING TO DESIGN

APPLICATIONS

Lightly stressed intermediate floors

		Contents of drawing Load-bearing sheet Structural detail Uninsulated walls - 1	
Date 15.12.2000	Rev. date 21.7.2011	Work nr. .	Drw. nr. Rev. IN 38 01
Drawn by Ruukki	Rev. ..		
Scale :	Building		File nr. IN00A4038



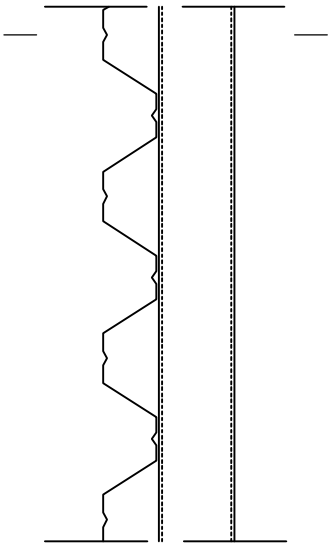
STRUCTURAL LAYERS

1 PROFILED SHEET ACCORDING TO CONSTRUCTION DRAWING
2 PURLIN STRUCTURE ACCORDING TO CONSTRUCTION DRAWING

APPLICATIONS

Uninsulated walls

		Contents of drawing Load-bearing sheet Structural detail Uninsulated walls - 2	
Date 15.12.2000	Rev. date 21.7.2011	Work nr. .	Drw. nr. Rev. IN 39 01
Drawn by Ruukki	Rev. ..		
Scale :	Building		File nr. IN00A4039



STRUCTURAL LAYERS

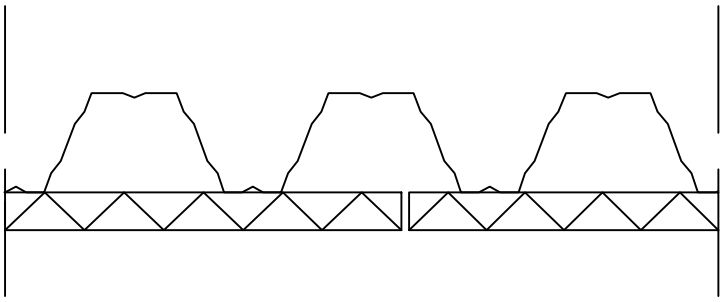
1 PROFILED SHEET ACCORDING TO CONSTRUCTION DRAWING
2 STEEL STRUCTURE ACCORDING TO CONSTRUCTION DRAWING

APPLICATIONS

Uninsulated walls

ruukki		Contents of drawing Load-bearing sheet Structural detail Fastening of acoustic insulation wool - 1	
Date 15.12.2000	Rev. date 04.08.2021	Work nr. .	Drw. nr. IN 40 Rev. 02
Drawn by Ruukki	Rev. ..		
Scale :	Building		File nr. IN00A4040

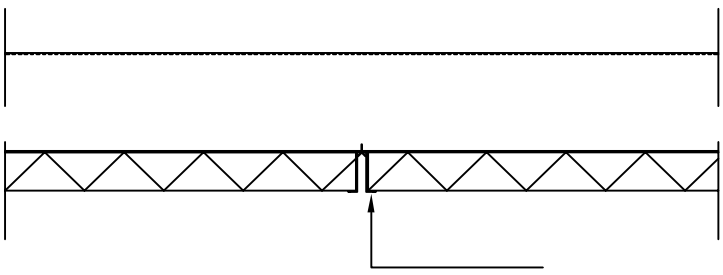
FASTENING OF ACOUSTIC INSULATION WOOL ADHESIVE INSTALLATION



ACOUSTIC INSULATION WOOL IS GLUED TO PROFILED SHEET E.G. WITH ACOUSTIC GLUE.

IN OPEN JOINT INSTALLATION APPROX. 10 mm GAP IS LEFT BETWEEN SHEETS.

FASTENING OF ACOUSTIC INSULATION WOOL BARREL RIDGE INSTALLATION

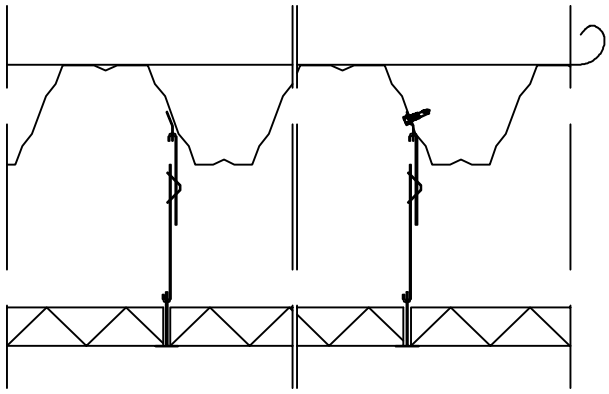


FASTENING OF BARREL RIDGE TO PROFILED SHEET

E.G. WITH HIDDEN RIVETS

RUUKKI		Contents of drawing Load-bearing sheet Structural detail Fastening of acoustic insulation wool - 2	
Date 15.12.2000	Rev. date 04.08.2021	Work nr. .	Drw. nr. IN 41
Drawn by Ruukki	Rev. ..		Rev. 02
Scale :	Building		File nr. IN00A4041

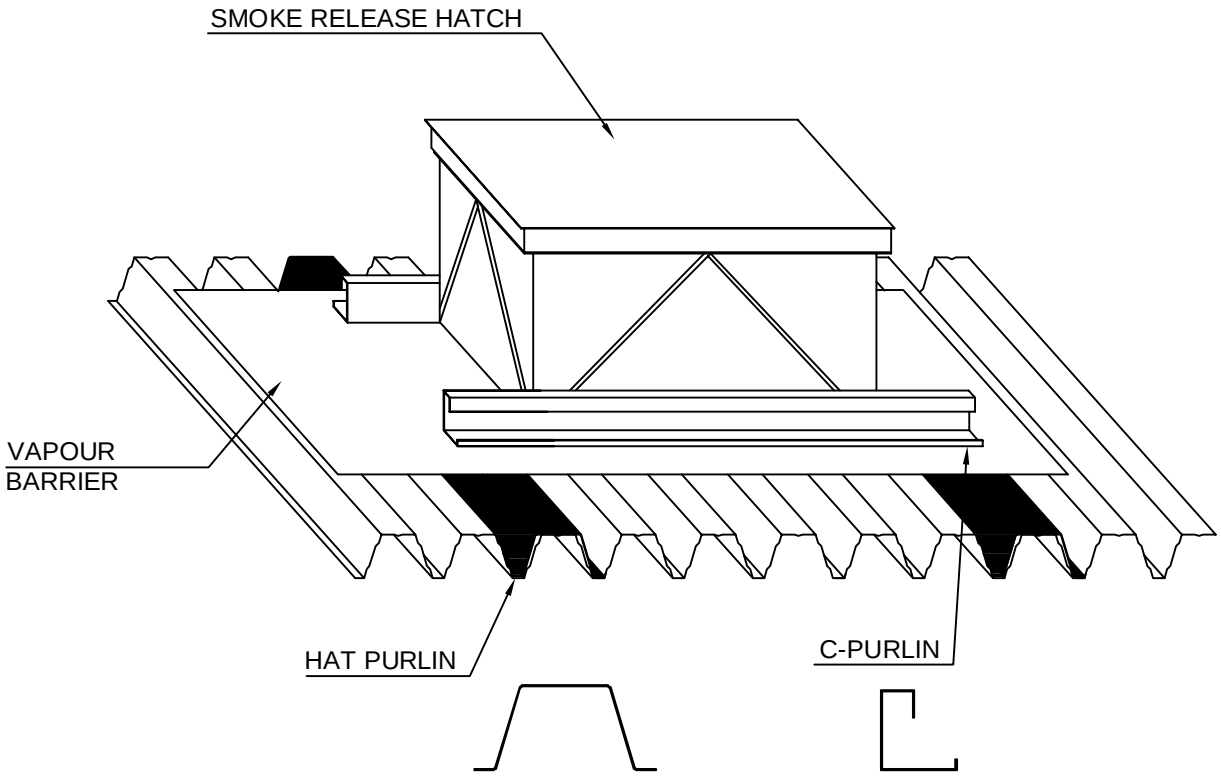
FASTENING OF ACOUSTIC INSULATION WOOL
T-FLASNING / SUSPENDED CEILING



BRACKETS ARE FASTENED FROM FLANGES' BOTTOM OR SIDE.

IF VAPOUR BARRIER IS USED DIRECTLY ON TOP OF PROFILED SHEET,
BRACKET SHALL NOT BE FASTENED TO FLANGE'S CROWN.

RUUKKI		Contents of drawing Load-bearing sheet Structural detail Opening	
Date 15.12.2000	Rev. date 21.7.2011	Work nr. .	Drw. nr. Rev. IN 42 01
Drawn by Ruukki	Rev. ..		
Scale :	Building		File nr. IN00A4042

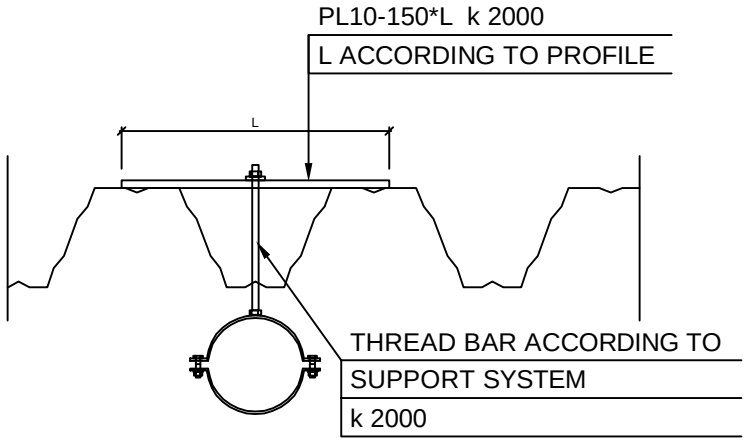


A FRAME AROUND THE OPENING IS MADE OF C- AND HAT PURLINS
WHICH SUPPORTS HOLE'S EDGES.

STEEL SUPPORTS AND FASTENING SCREWS ACCORDING TO
CONSTRUCTION DESIGNER SPECIFICATION.

RUUKKI		Contents of drawing Load-bearing sheet Structural detail Supporting - 1	
Date 15.12.2000	Rev. date 21.7.2011	Work nr. .	Drw. nr. Rev. IN 43 01
Drawn by Ruukki	Rev. ..		
Scale :	Building		File nr. IN00A4043

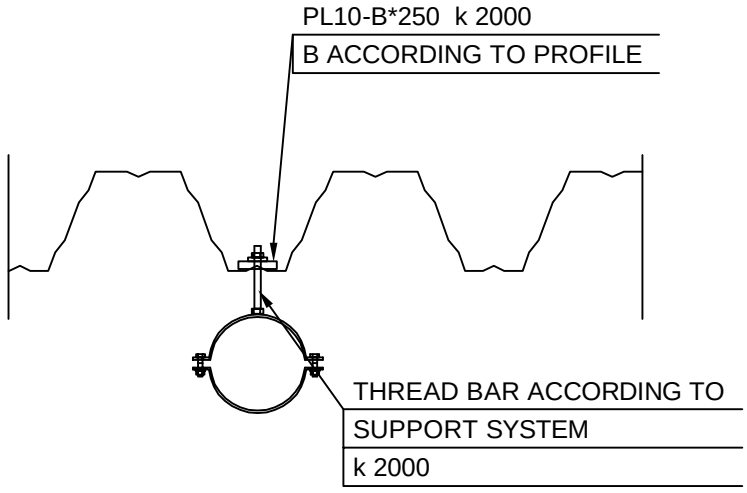
SUPPORTING FROM ABOVE



DISTANCE BETWEEN SUPPORTS HAS TO BE CHECKED ACCORDING TO
LOAD-BEARING SHEET AND STRUCTURE TO BE SUPPORTED.
SUPPORTS ARE TO BE INSTALLED BEFORE INSULATION AND VAPOUR BARRIER.

ruukki		Contents of drawing Load-bearing sheet Structural detail Supporting - 2	
Date 15.12.2000	Rev. date 21.7.2011	Work nr. .	Drw. nr. Rev. IN 44 01
Drawn by Ruukki	Rev. ..		
Scale :	Building		File nr. IN00A4044

SUPPORTING FROM FLANGE



DISTANCE BETWEEN SUPPORTS HAS TO BE CHECKED ACCORDING TO
LOAD-BEARING SHEET AND STRUCTURE TO BE SUPPORTED.
SUPPORTS ARE TO BE INSTALLED BEFORE INSULATION AND VAPOUR BARRIER.