

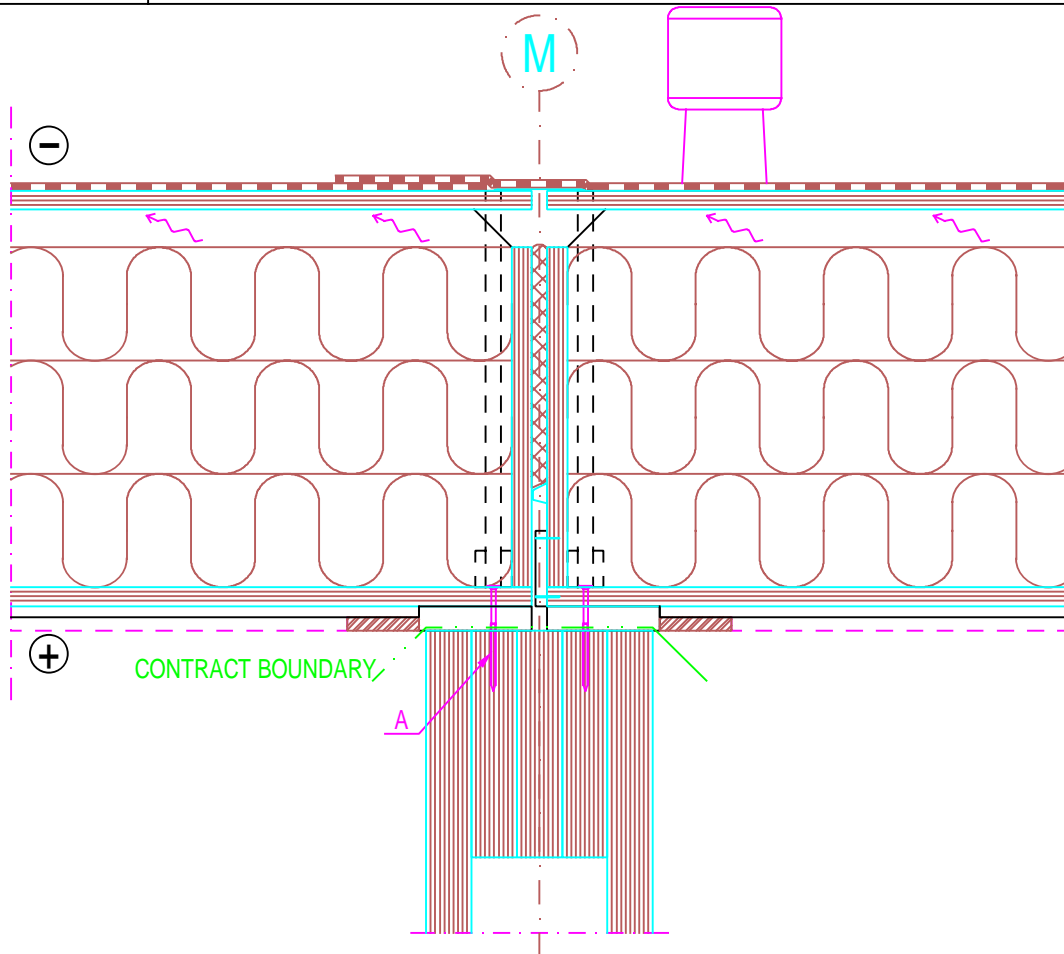
CONTENT
JOINT DETAILS
KERTO-RIPA ROOF ELEMENT
BOX SLAB

SCALE
1:10

DATE 20.12.2013 DRAWING NUMBER **114**

114-01 KERTO MULTIPLE GLUED LVL FRAME
BOX SLAB REI60 AND REI30

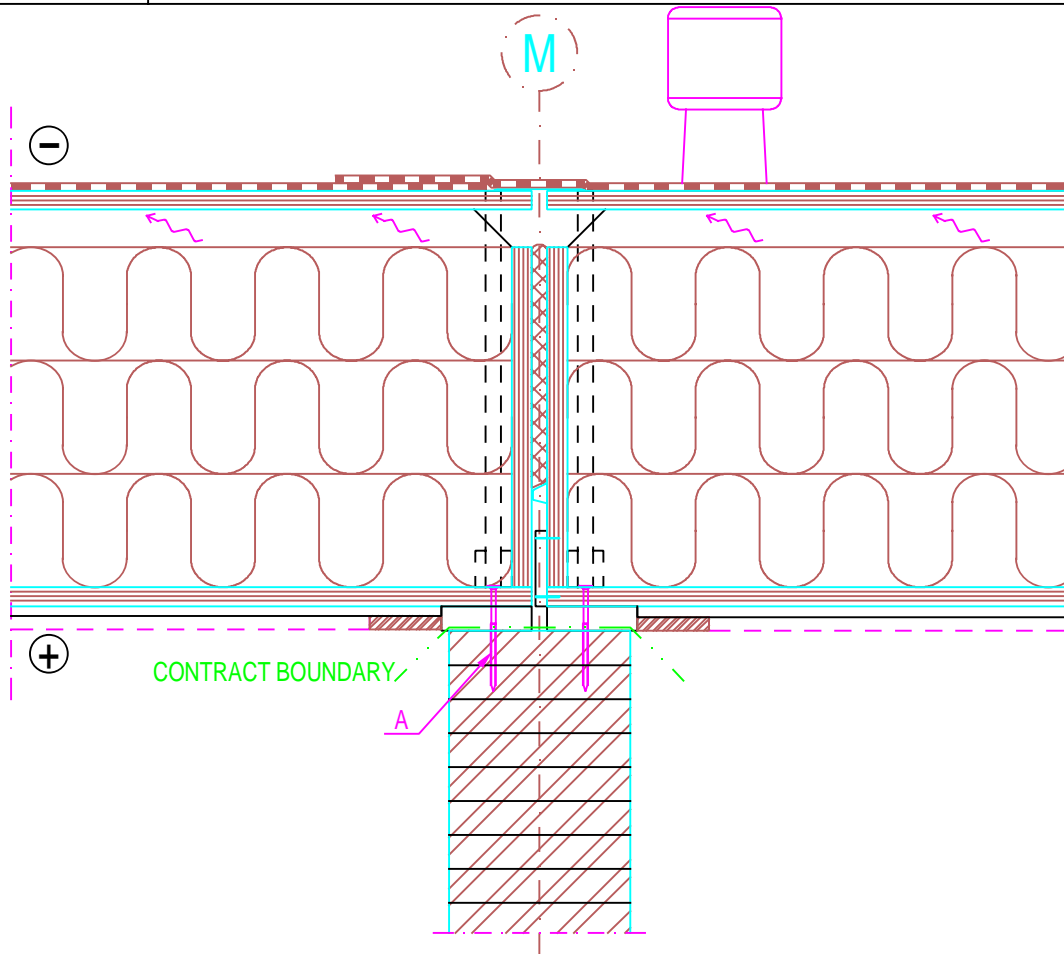
20.12.2013



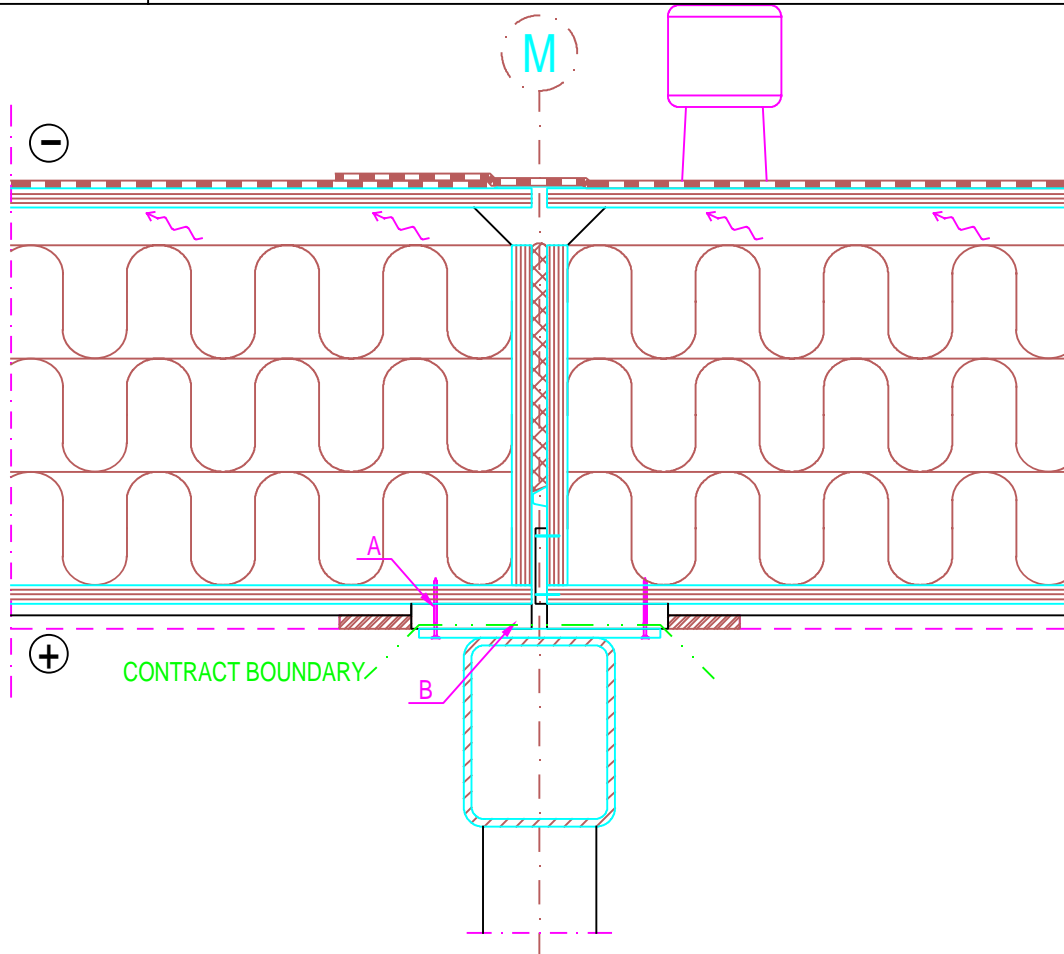
ROOF ELEMENT INSTALLATION:
A. SCREW FASTENING

114-02 GLULAM FRAME
BOX SLAB REI60 AND REI30

20.12.2013



ROOF ELEMENT INSTALLATION:
A. SCREW FASTENING

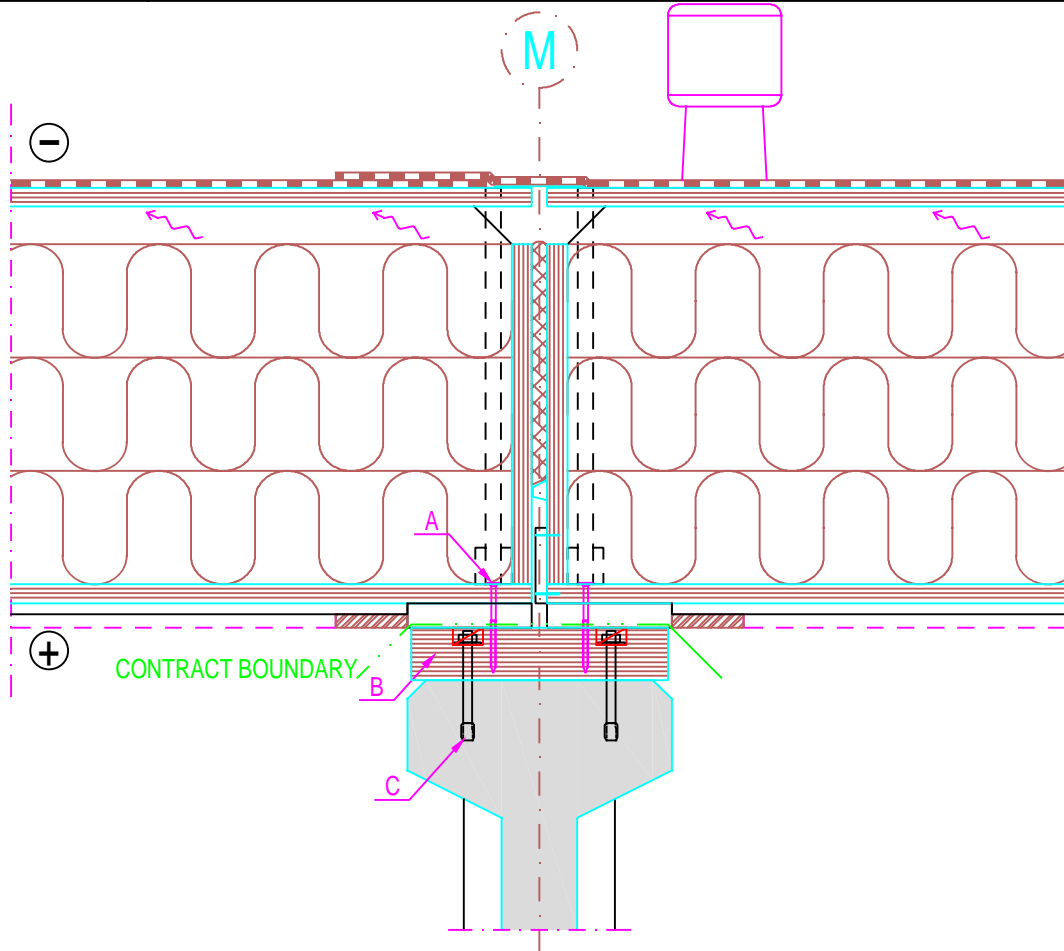


ROOF ELEMENT INSTALLATION:

- A. BOTTOM FASTENING WITH NAILS OR SCREWS

BUILDING CONSTRUCTOR:

- B. STEEL PLATE ON THE STEEL FRAMES TOP SURFACE, FIRE PROTECTION IF NEEDED



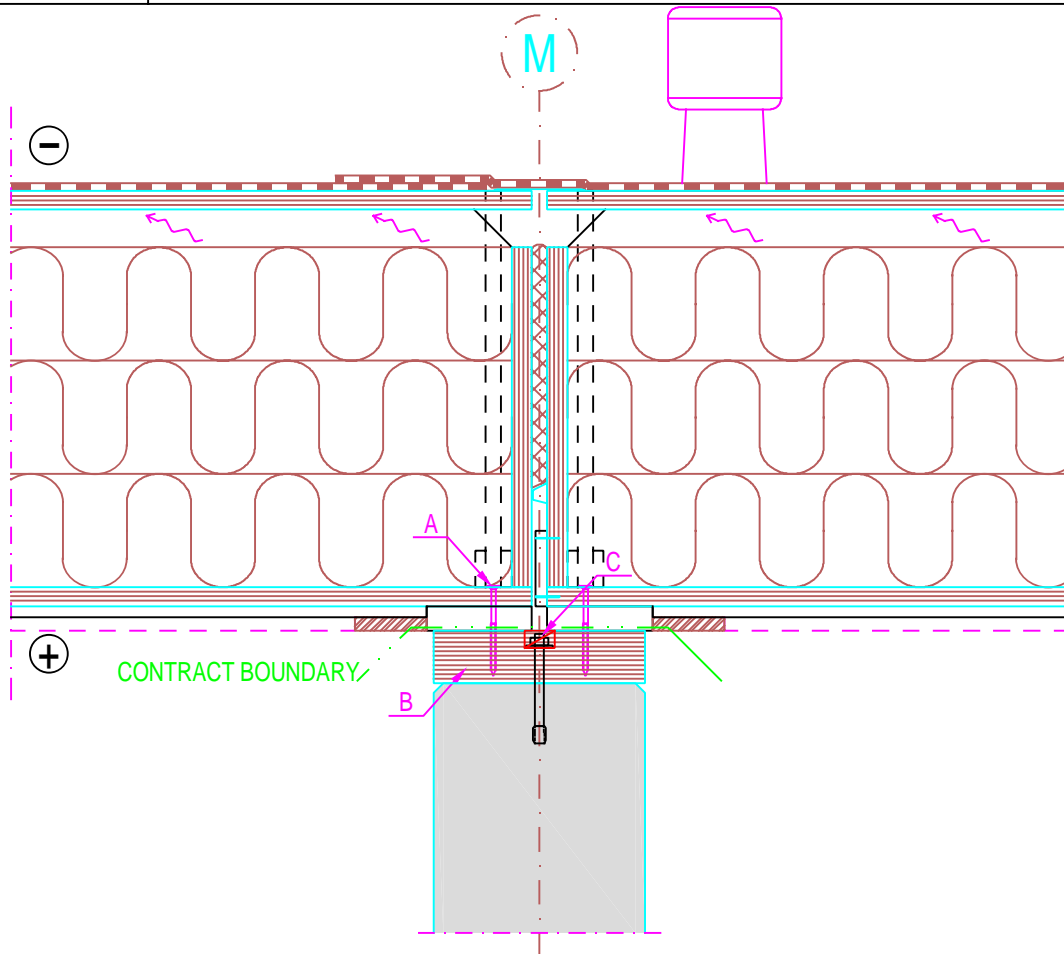
ROOF ELEMENT INSTALLATION:

A. SCREW

BUILDING CONSTRUCTOR:

B. KERTO-Q -PANEL

C. WEDGE ANCHOR , EMBEDDED INTO THE KERTO-Q PANEL



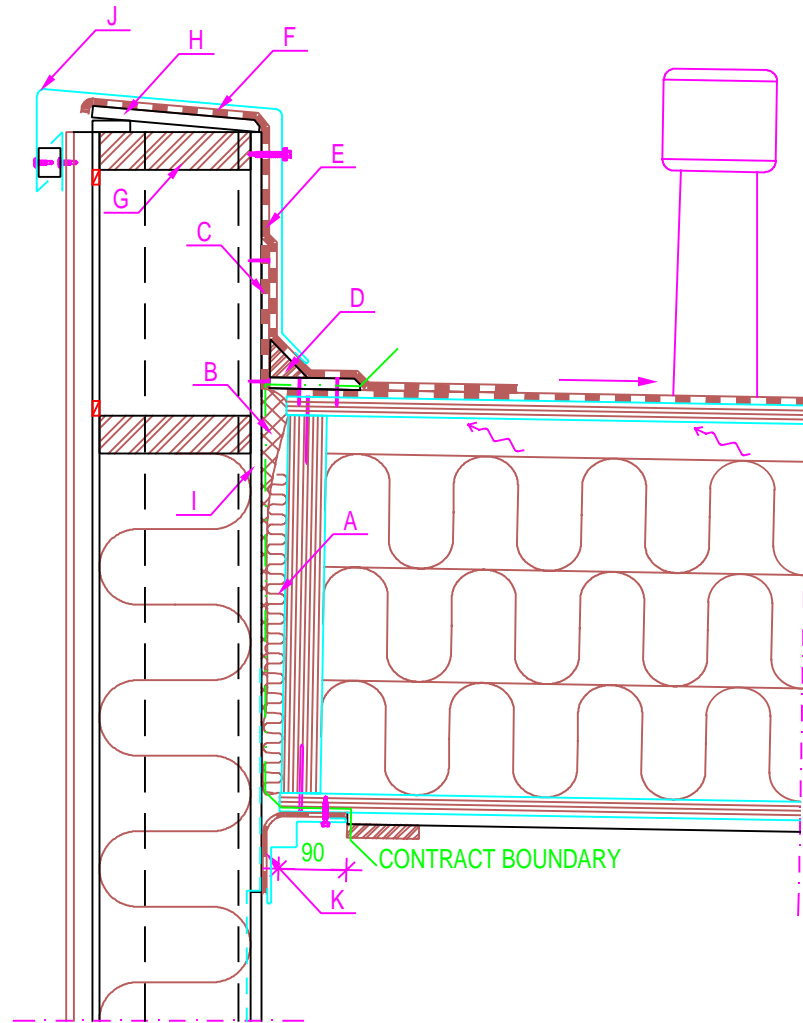
ROOF ELEMENT INSTALLATION:

A. SCREW

BUILDING CONSTRUCTOR:

B. KERTO-Q -PANEL

C. WEDGE ANCHOR , EMBEDDED INTO THE KERTO-Q PANEL



ROOF ELEMENT MANUFACTURING:

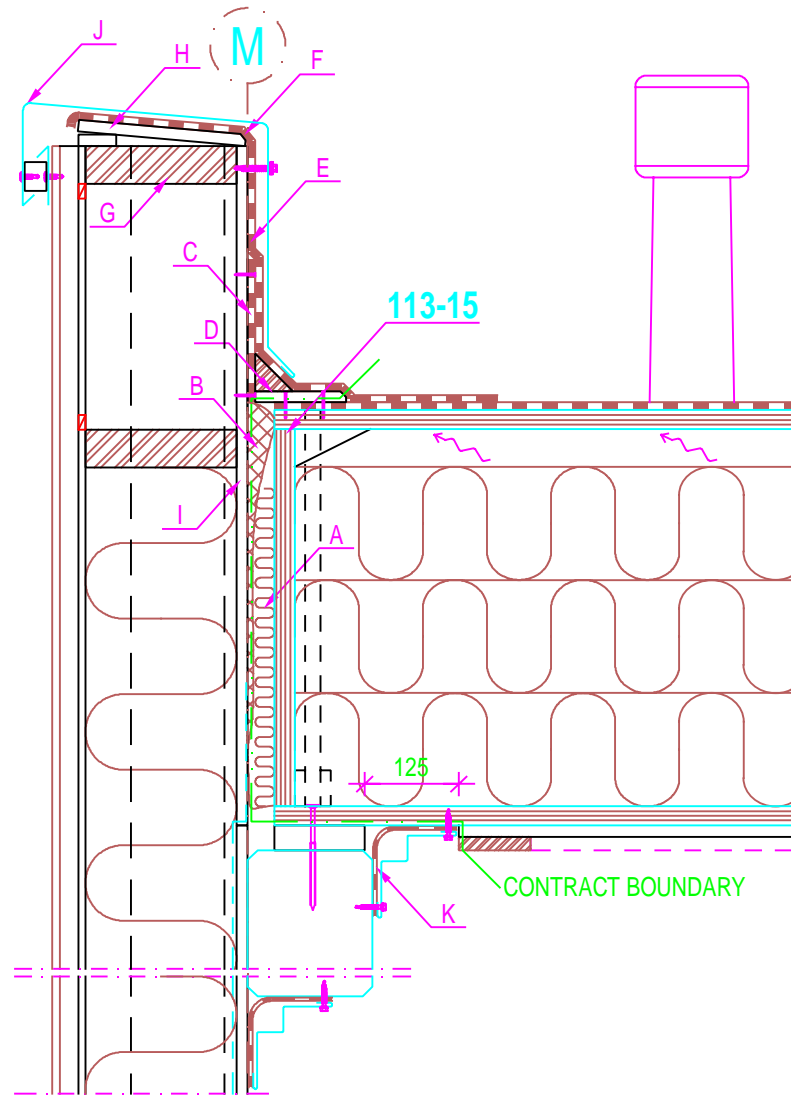
- A. VAPOUR BARRIER STRIP, MINERAL WOOL INSIDE $t = 50$ mm

ROOF ELEMENT INSTALLATION:

- B. POLYURETHANE FOAMING
- C. FLEXIBLE STRIP FOR THE ROOF ELEMENTS VERTICAL MOVEMENT
- D. METSÄ WOOD SPRUCE PLYWOOD , EDGE CHAMFERED $t = 15$ mm AND TRIANGLE BATTENS 45×45 mm, IN CASE OF BITUMINOUS MEMBRANE COVER
- E. WATER PROOFING

BUILDING CONSTRUCTOR:

- F. WATER PROOFING UPLIFTED OVER 600 mm
- G. WALLS UPPER CORD
- H. SLOPE OF WALLS TOP SURFACE, EDGES CHAMFERED ON THE MEMBRANES SIDE
- I. BASE PANEL OF WATER PROOFING, METSÄ WOOD SPRUCE PLYWOOD $t = 15$ mm
- J. COVER SHEETING AND STORM COVER
- K. EXTRA SEALING IF NEEDED, VAPOUR BARRIER JOINT ALLOWING VERTICAL MOVEMENT, BUTYLE RUBBER JOINT AND COVER SHEET, MECHANICAL FASTENING



ROOF ELEMENT MANUFACTURING:

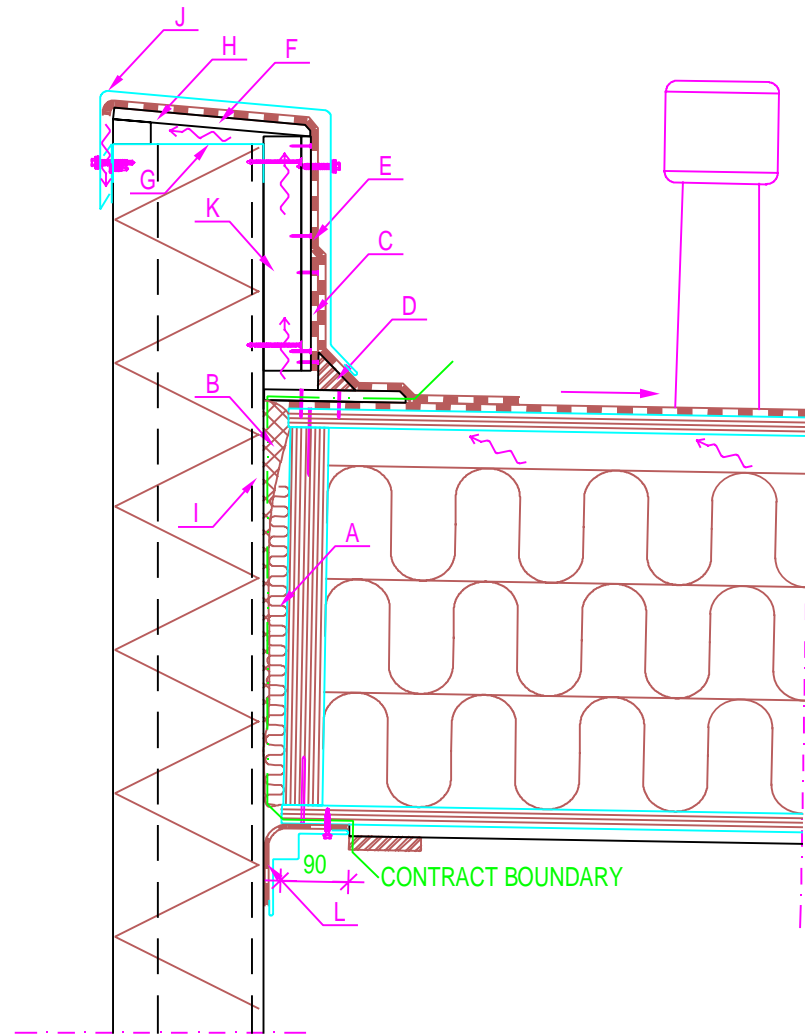
- A. VAPOUR BARRIER STRIP, MINERAL WOOL INSIDE $t = 50 \text{ mm}$

ROOF ELEMENT INSTALLATION:

- B. POLYURETHANE FOAMING
- C. ROOF COVERS FLEXIBLE STRIP FOR THE ROOF BEAMS VERTICAL MOVEMENT
- D. METSÄ WOOD SPRUCE PLYWOOD , EDGE CHAMFERED $t = 15 \text{ mm}$ AND TRIANGLE BATTENS $45 \times 45 \text{ mm}$, IN CASE OF BITUMINOUS MEMBRANE COVER
- E. WATER PROOFING UPLIFTED UP TO 600 mm

BUILDING CONSTRUCTOR:

- F. WATER PROOFING UPLIFTED OVER 600 mm
- G. WALLS UPPER CORD
- H. SLOPE OF WALLS TOP SURFACE, EDGES CHAMFERED ON THE MEMBRANES SIDE
- I. BASE PANEL OF WATER PROOFING, METSÄ WOOD SPRUCE PLYWOOD $t = 15 \text{ mm}$
- J. COVER SHEETING AND STORM COVER
- K. EXTRA SEALING IF NEEDED, VAPOUR BARRIER JOINT, BUTYLE RUBBER STRIP AND COVER SHEET, MECHANICAL FASTENING, WALLS VAPOUR BARRIER BONDING $\text{MAX} = 200 \text{ mm}$



ROOF ELEMENT MANUFACTURING:

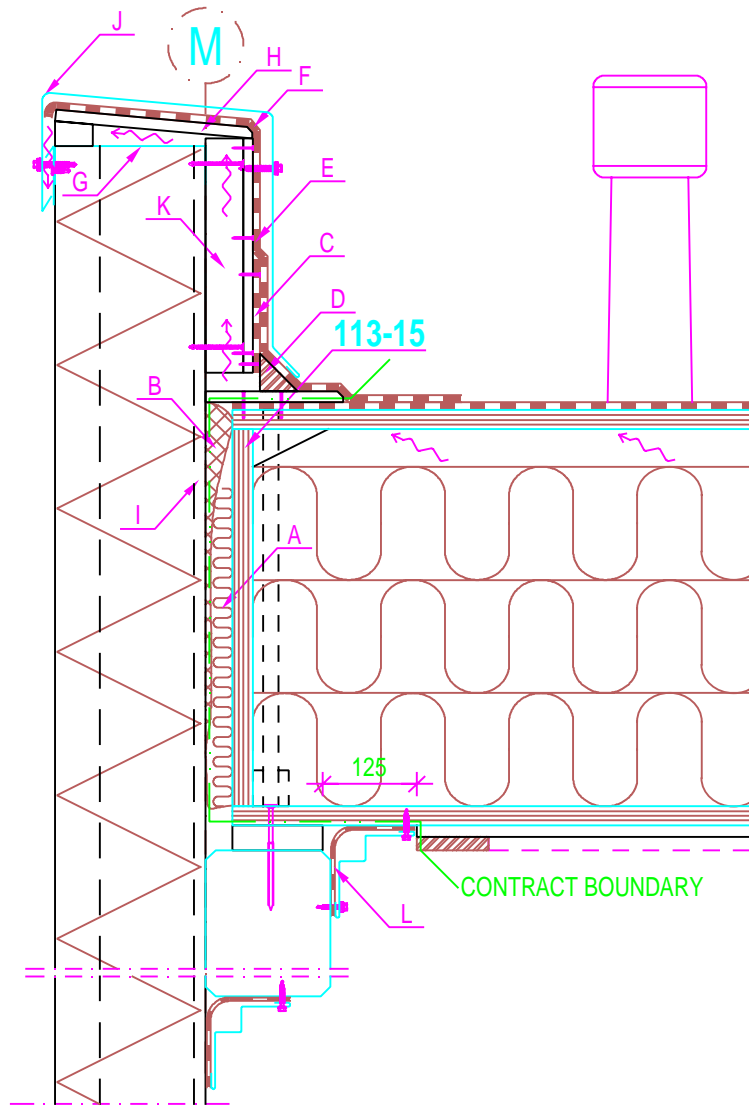
- A. VAPOUR BARRIER STRIP, MINERAL WOOL INSIDE $t = 50$ mm

ROOF ELEMENT INSTALLATION:

- B. POLYURETHANE FOAMING
- C. ROOF COVERS FLEXIBLE STRIP FOR THE ROOF ELEMENTS VERTICAL MOVEMENT
- D. METSÄ WOOD SPRUCE PLYWOOD , EDGE CHAMFERED $t = 15$ mm AND TRIANGLE BATTENS 45×45 mm, IN CASE OF BITUMINOUS MEMBRANE COVER
- E. WATER PROOFING UPLIFTED UP TO 600 mm

BUILDING CONSTRUCTOR:

- F. WATER PROOFING UPLIFTED OVER 600 mm
- G. WALLS UPPER CORD
- H. SLOPE OF WALLS TOP SURFACE, EDGES CHAMFERED ON THE MEMBRANES SIDE
- I. BASE PANEL OF WATER PROOFING, METSÄ WOOD SPRUCE PLYWOOD $t = 15$ mm
- J. COVER SHEETING AND STORM COVER
- K. STUDWORK AND VENTILATING SLOT + METSÄ WOOD SPRUCE PLYWOOD $t = 12$ mm IN CASE OF BITUMINOUS MEMBRANE COVER
- L. EXTRA SEALING IF NEEDED, VAPOUR BARRIER JOINT ALLOWING VERTICAL MOVEMENT, BUTYLE RUBBER STRIP AND COVER SHEET, MECHANICAL FASTENING



ROOF ELEMENT MANUFACTURING:

- A. VAPOUR BARRIER STRIP, MINERAL WOOL INSIDE $t = 50$ mm

ROOF ELEMENT INSTALLATION:

- B. POLYURETHANE FOAMING
 C. ROOF COVERS FLEXIBLE STRIP FOR THE ROOF BEAMS VERTICAL MOVEMENT
 D. METSÄ WOOD SPRUCE PLYWOOD, EDGE CHAMFERED $t = 15$ mm AND TRIANGLE BATTENS 45×45 mm, IN CASE OF BITUMINOUS MEMBRANE COVER
 E. WATER PROOFING UPLIFTED UP TO 600 mm

BUILDING CONSTRUCTOR:

- F. WATER PROOFING UPLIFTED OVER 600 mm
 G. WALLS UPPER CORD
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 L. EXTRA SEALING IF NEEDED, VAPOUR BARRIER JOINT, BUTYLE RUBBER STRIP AND COVER SHEET, MECHANICAL FASTENING