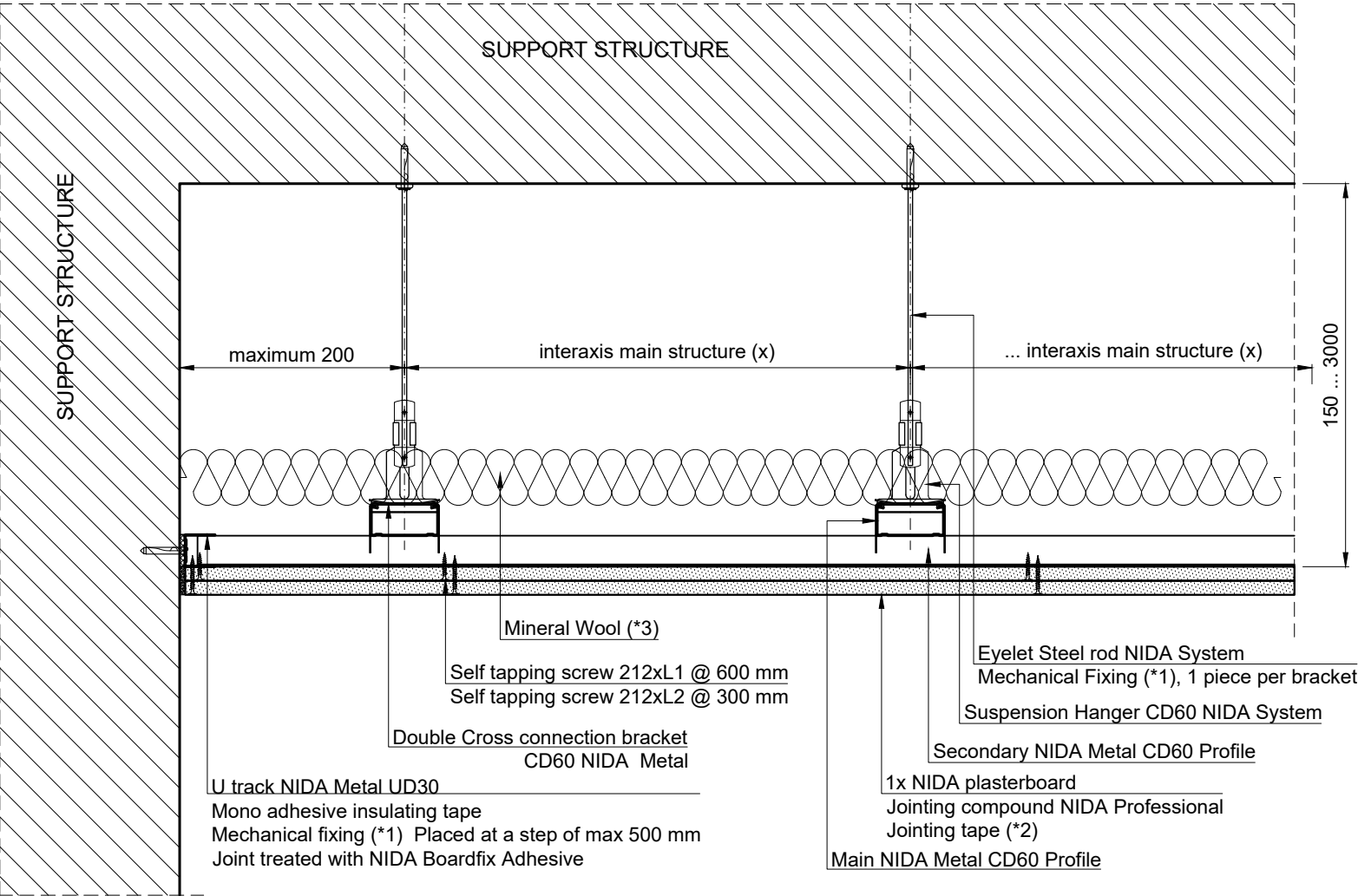


NIDA System Ceiling double lining  
Double frame with Suspension Hanger  
Rigid fixing with massive element  
Cross Section



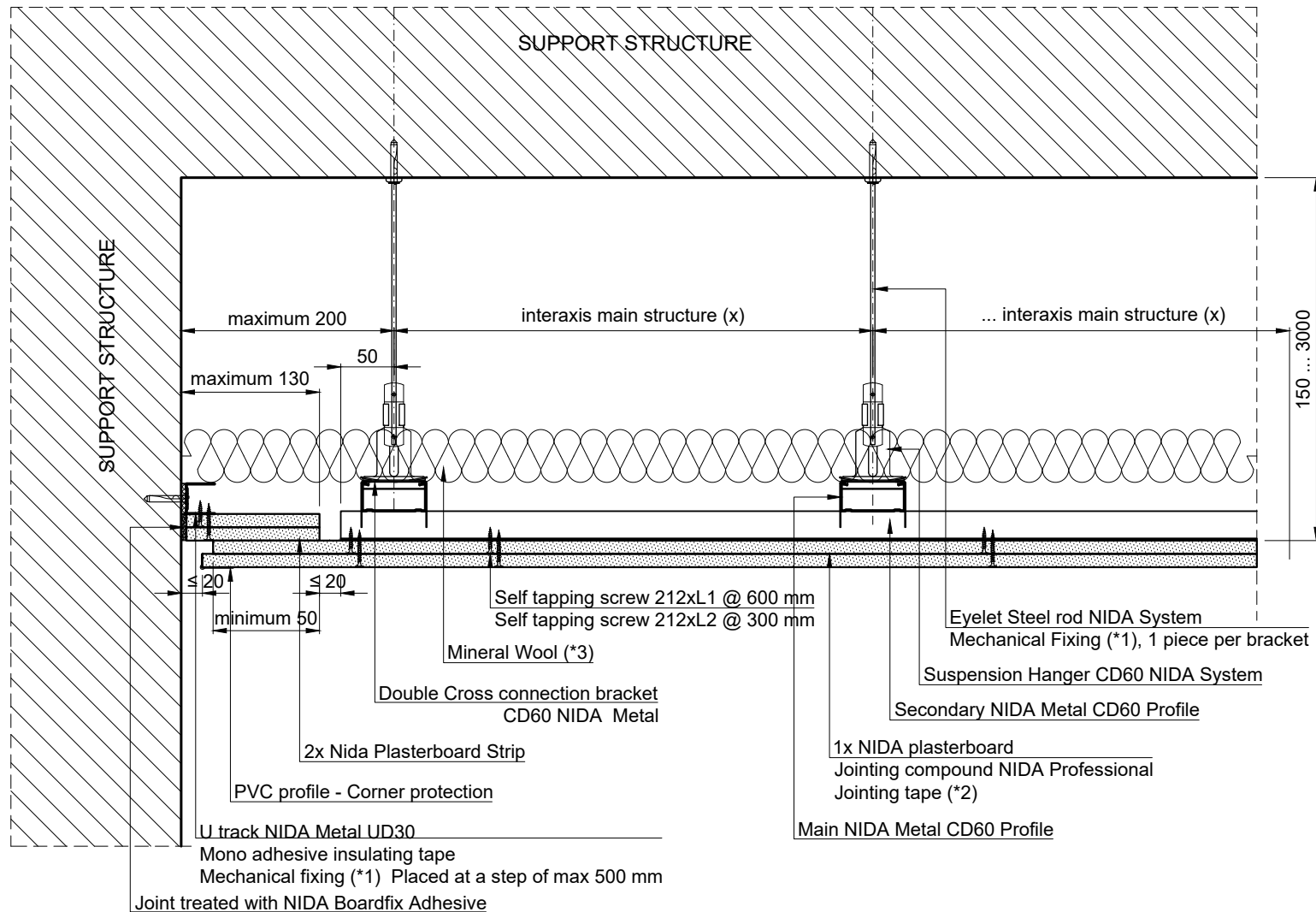
The technical details presented in this documentation represent System Type details, their adaptation to the project will be done by the specialised designer of the building in collaboration with the SINIAT technical department.

**NIDA System P**

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|--|------------------|---------------|---------------|
| Chapter title:<br>NIDA System Ceiling double lining. Double frame with Suspension Hanger |                  |               |               |
| Subchapter title:<br>Rigid fixing with massive elements. Cross Section                   |                  |               |               |
| Drawing no:<br>P2.S2.T.001   | Edition no:<br>1 | Scale:<br>1:5 | Date:<br>2019 |



NIDA System Ceiling double lining  
Double frame with Suspension Hanger  
Sliding fixing with massive elements  
Cross Section



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## NIDA System P

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|--|------------------|---------------|---------------|
| Chapter title:<br>NIDA System Ceiling double lining. Double frame with Suspension Hanger |                  |               |               |
| Subchapter title:<br>Sliding fixing with massive elements. Cross Section                 |                  |               |               |
| Drawing no:<br>P2.S2.T.002   | Edition no:<br>1 | Scale:<br>1:5 | Date:<br>2019 |



The diagram illustrates a detailed cross-section of a suspended ceiling assembly. At the top, a hatched area represents the 'SUPPORT STRUCTURE'. Below it, vertical 'interaxis Suspension Hanger (R)' rods are shown, with a maximum horizontal distance of 200 units between them. These hangers connect to a 'Secondary NIDA Metal CD60 Profile' which supports a layer of 'Mineral Wool (\*3)'. The width of the mineral wool section is labeled as 'maximum 150'. Below the mineral wool is the 'interaxis secondary structure (y)'. This secondary structure is supported by 'Double Cross connection bracket CD60 NIDA Metal' components. The main ceiling surface consists of '1x NIDA plasterboard' held in place by 'Self tapping screw 212xL1 @ 600 mm' and 'Self tapping screw 212xL2 @ 300 mm'. A 'Jointing compound NIDA Professional' and 'Jointing tape (\*2)' are used at the joints. The entire assembly is supported by a 'Main NIDA Metal CD60 Profile' which is attached to the 'U track NIDA Metal UD30' via 'Eyelet Steel rod NIDA System' and 'Mechanical Fixing (\*1), 1 piece per bracket'. The total height from the support structure to the bottom of the plasterboard is indicated as '150 ... 3000'. Various other components like 'Mono adhesive insulating tape', 'NIDA Boardfix Adhesive', and 'Suspension Hanger CD60 NIDA System' are also labeled.

**SUPPORT STRUCTURE**

maximum 200

interaxis Suspension Hanger (R)

maximum 150

interaxis secondary structure (y)

Mineral Wool (\*3)

Double Cross connection bracket  
CD60 NIDA Metal

Secondary NIDA Metal CD60 Profile

U track NIDA Metal UD30

Mono adhesive insulating tape

Mechanical fixing (\*1) Placed at a step of max 500 mm

Joint treated with NIDA Boardfix Adhesive

Self tapping screw 212xL1 @ 600 mm

Self tapping screw 212xL2 @ 300 mm

1x NIDA plasterboard

Jointing compound NIDA Professional

Jointing tape (\*2)

Main NIDA Metal CD60 Profile

Eyelet Steel rod NIDA System

Mechanical Fixing (\*1), 1 piece per bracket

Suspension Hanger CD60 NIDA System

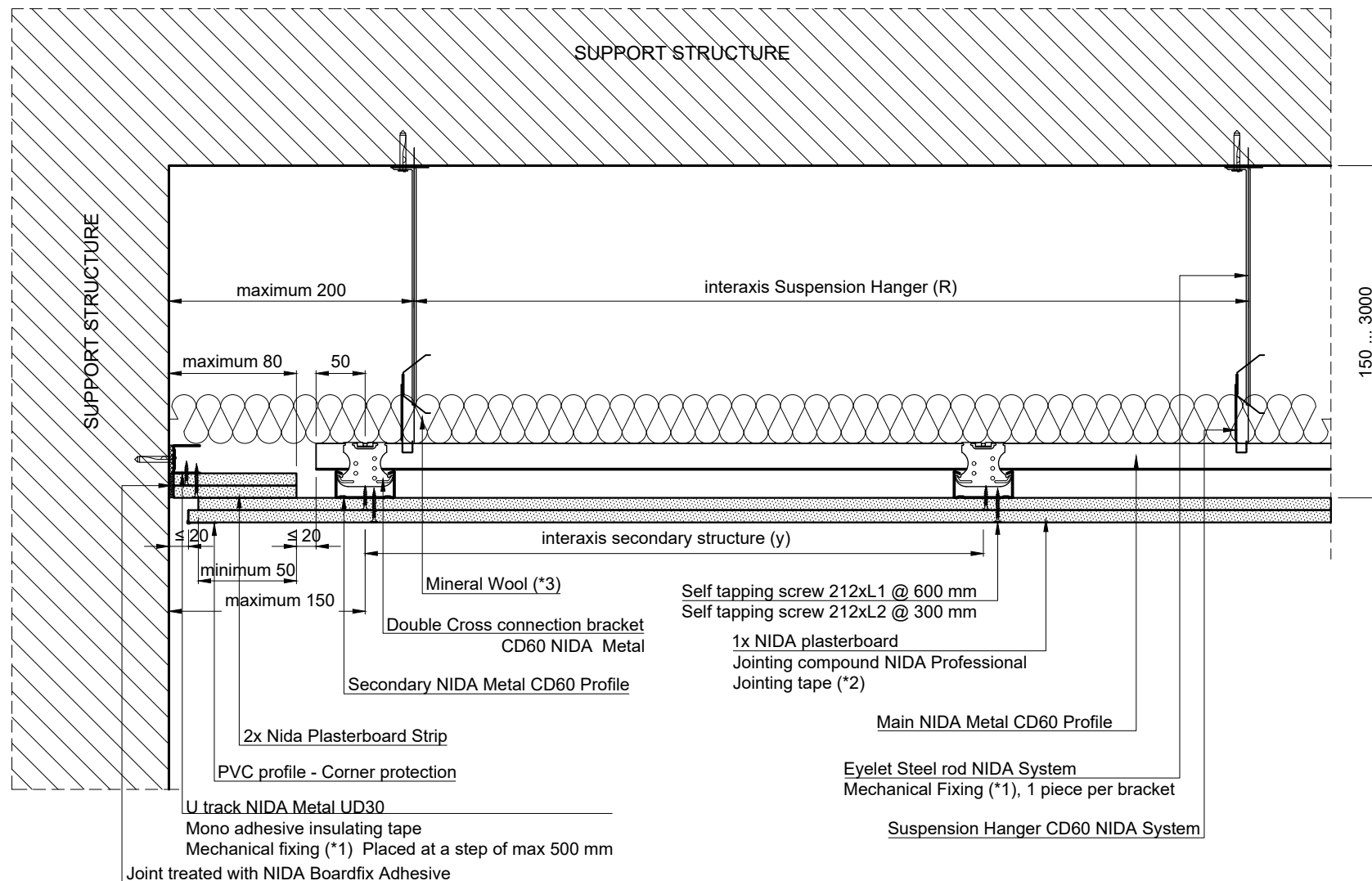
150 ... 3000

## NIDA System P

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| Drawing no: | Edition no: | Scale: | Date: |
| P2.S2.T.003 | 1           | 1:5    | 2019  |



NIDA System Ceiling double lining  
Double frame with Suspension Hanger  
Sliding fixing with massive elements  
Longitudinal Section



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## NIDA System P

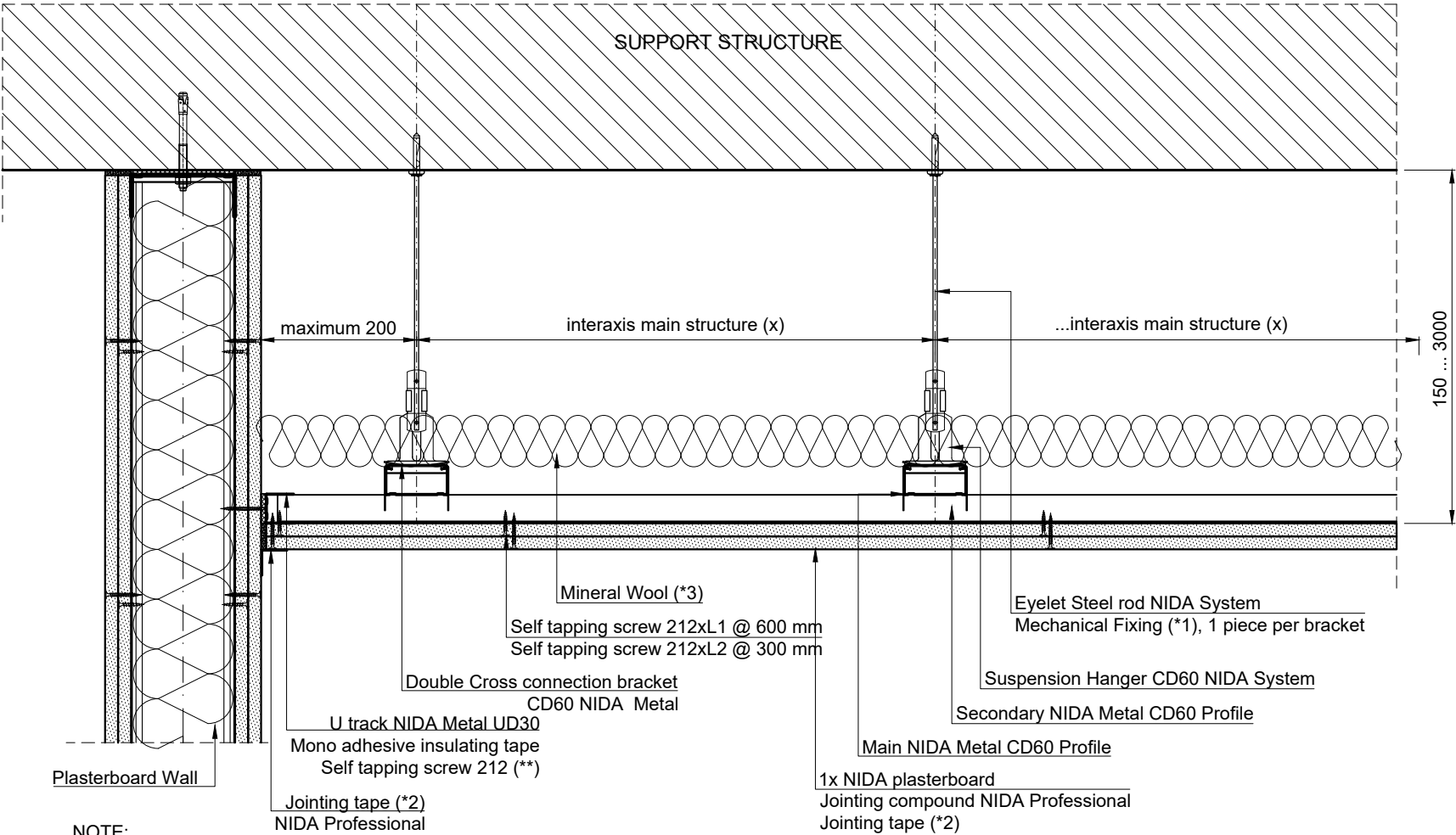
Chapter title:  
NIDA System Ceiling double lining. Double frame with Suspension Hanger

Subchapter title:  
Sliding fixing with massive elements. Longitudinal Section

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| Drawing no:<br>P2.S2.T.004 | Edition no:<br>1 | Scale:<br>1:5 | Date:<br>2019 |
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NIDA System Ceiling double lining  
Double frame with Suspension Hanger  
Intersection with Plasterboard Wall Partition  
Cross Section



NOTE:  
(\*\*) The self tapping screw shall be fixed on the metal structure of the Plasterboard Wall, the lenght of the screw will be according to the thikness of the fixing package (Wall boards thikness of layers)

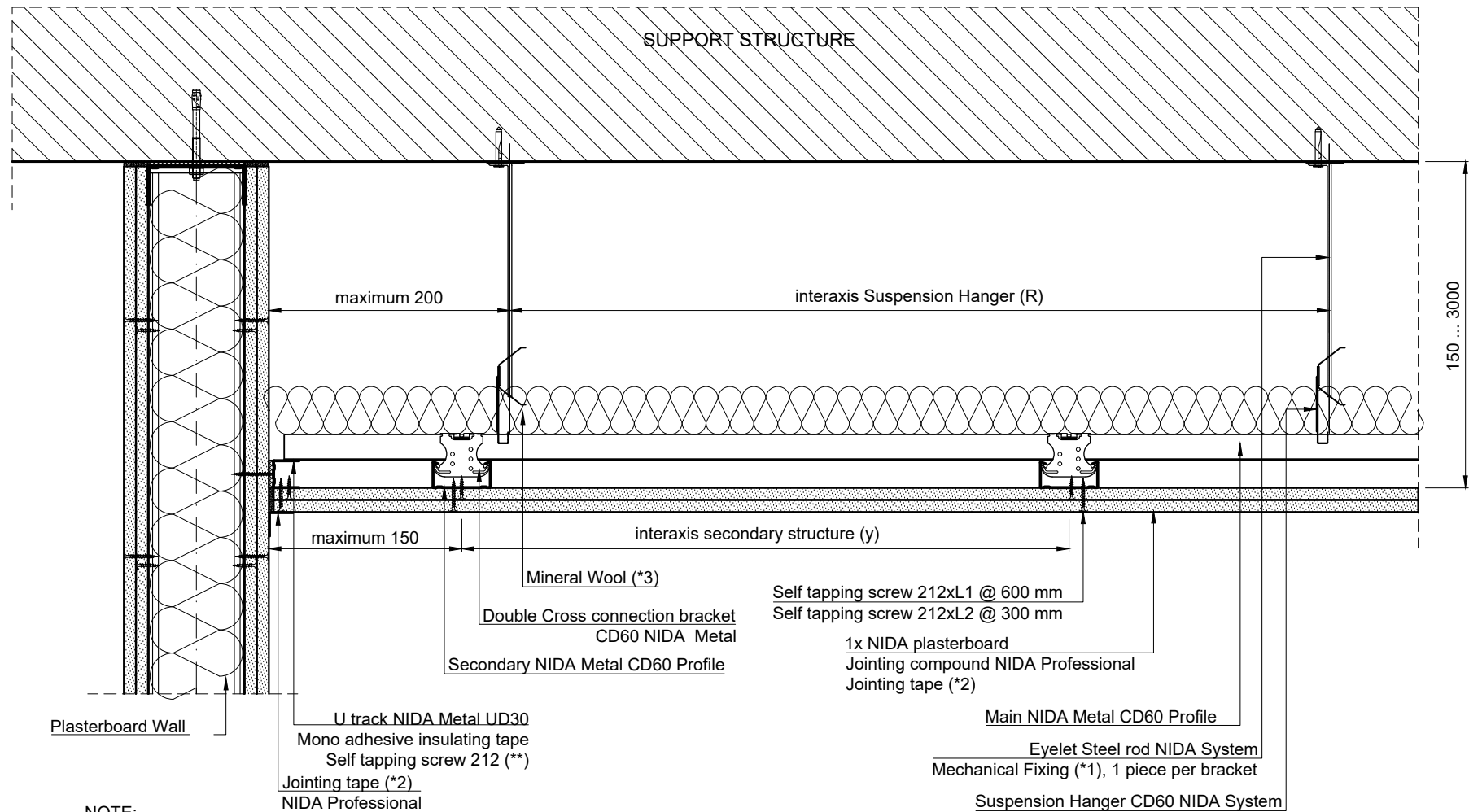
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NIDA System P

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| Chapter title:<br>NIDA System Ceiling double lining. Double frame with Suspension Hanger |                  |               |               |
| Subchapter title:<br>Intersection with Plasterboard Wall Partition. Cross Section        |                  |               |               |
| Drawing no:<br>P2.S2.T.005   | Edition no:<br>1 | Scale:<br>1:5 | Date:<br>2019 |



NIDA System Ceiling double lining  
Double frame with Suspension Hanger  
Intersection with Plasterboard Wall Partition  
Longitudinal Section



NOTE:

(\*\*) The self tapping screw shall be fixed on the metal structure of the Plasterboard Wall, the length of the screw will be according to the thickness of the fixing package (Wall boards thickness of layers)

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NIDA System P

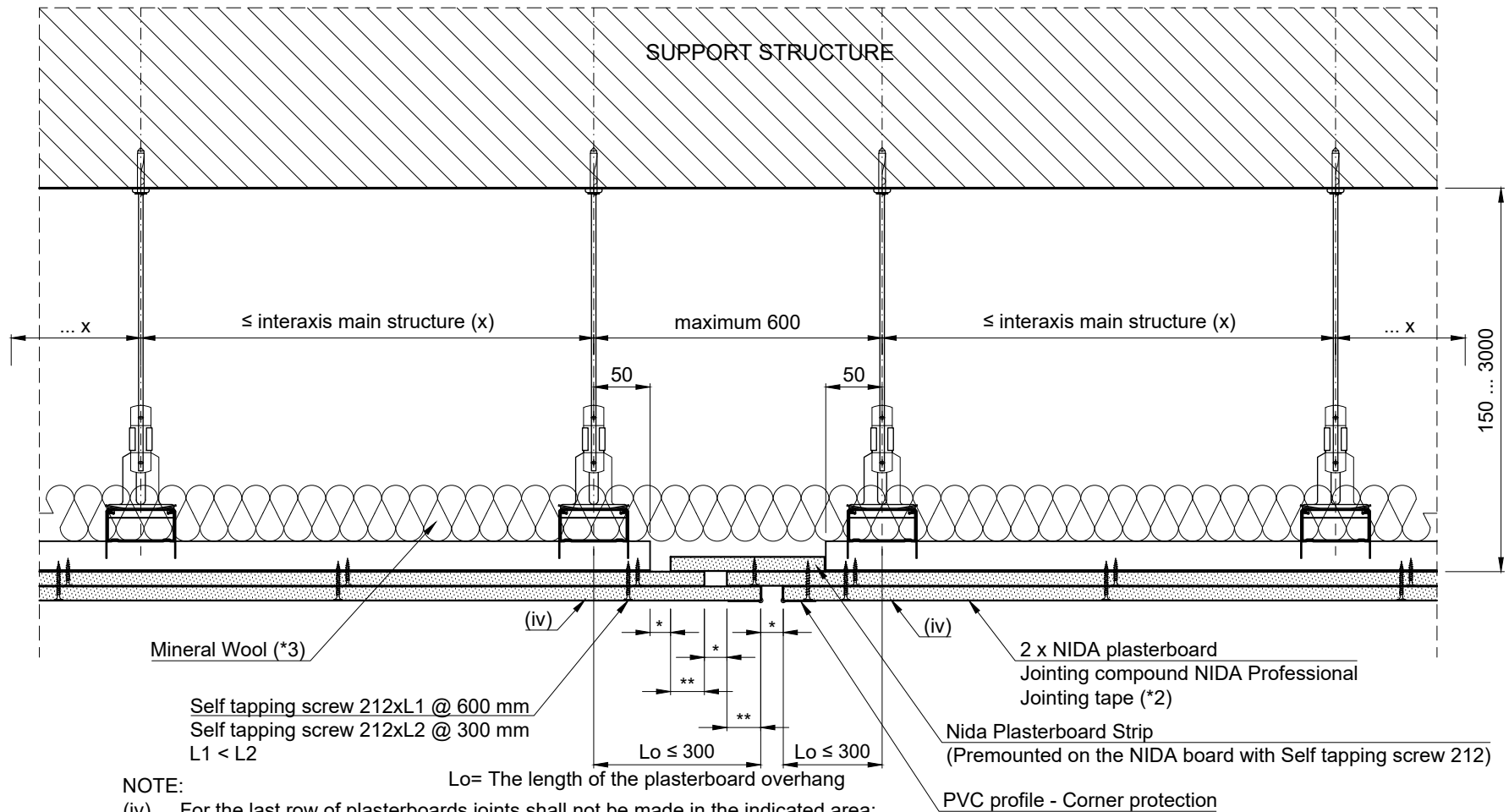
Chapter title:  
NIDA System Ceiling double lining. Double frame with Suspension Hanger

Subchapter title:  
Intersection with Plasterboard Wall Partition. Longitudinal section

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| Drawing no: | Edition no: | Scale: | Date: |
| P2.S2.T.006 | 1           | 1:5    | 2019  |



NIDA System Ceiling double lining  
Double frame with Suspension Hanger  
Expansion joint  
Cross Section



NOTE:

- (iv) For the last row of plasterboards joints shall not be made in the indicated area;  
The joint shall also be placed right to the structural joints;
- \* The size of the joint's gap will be established considering the size of the structural joint's gap but not less than 20 mm;
- \*\* Boards overlap shall have a value of minimum (\* + 10 mm)

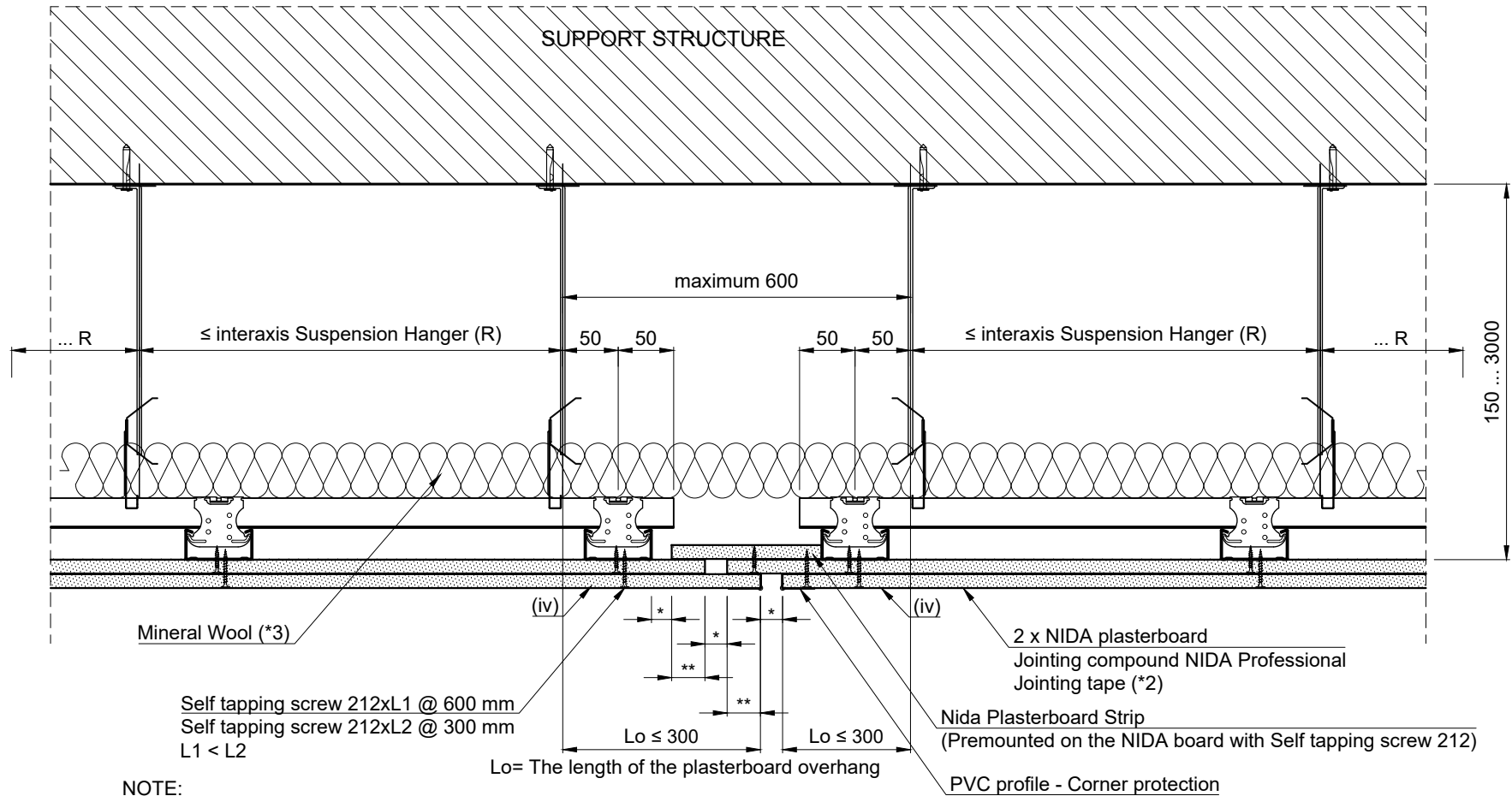
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NIDA System P

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| Chapter title:<br>NIDA System Ceiling double lining. Double frame with Suspension Hanger |                  |               |               |
| Subchapter title:<br>Expansion joint. Cross Section                                      |                  |               |               |
| Drawing no:<br>P2.S2.T.007   | Edition no:<br>1 | Scale:<br>1:5 | Date:<br>2019 |



NIDA System Ceiling double lining  
Double frame with Suspension Hanger  
Expansion joint  
Longitudinal Section



NOTE:

- (iv) For the last row of plasterboards joints shall not be made in the indicated area;  
The joint shall also be placed right to the structural joints;
- \* The size of the joint's gap will be established considering the size of the structural joint's gap but not less than 20 mm;
- \*\* Boards overlap shall have a value of minimum (\* + 10 mm)

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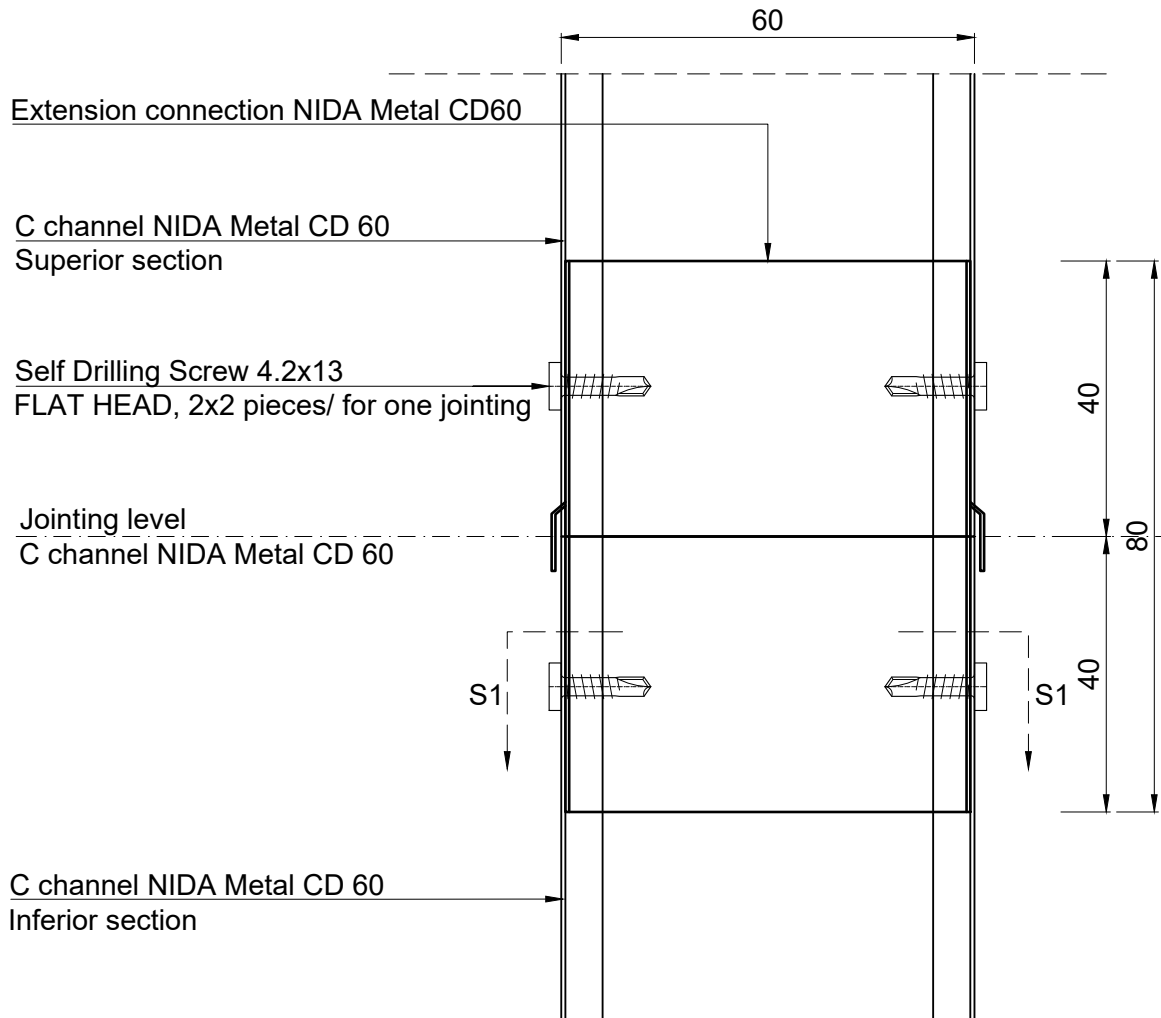
NIDA System P

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| Chapter title:<br>NIDA System Ceiling double lining. Double frame with Suspension Hanger |                  |               |               |
| Subchapter title:<br>Expansion joint. Longitudinal Section                               |                  |               |               |
| Drawing no:<br>P2.S2.T.008   | Edition no:<br>1 | Scale:<br>1:5 | Date:<br>2019 |

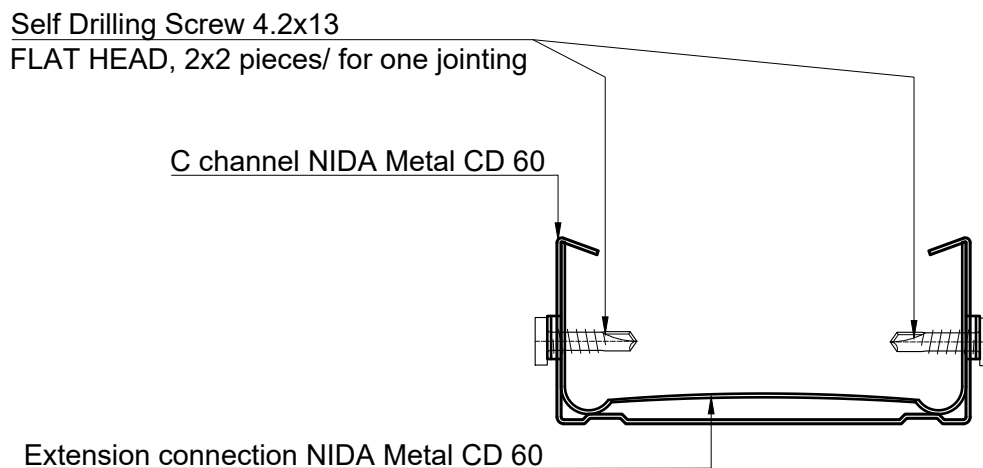




## Jointing Detail NIDA Metal CD60 Profile



### Section S1-S1



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#### NIDA System P

Chapter title:  
NIDA System Ceiling double lining. Double frame with Suspension Hanger

Subchapter title:  
Jointing Detail NIDA Metal CD60 Profile

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| Drawing no:<br>P2.S2.T.009 | Edition no:<br>1 | Scale:<br>1:5 | Date:<br>2019 |
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