



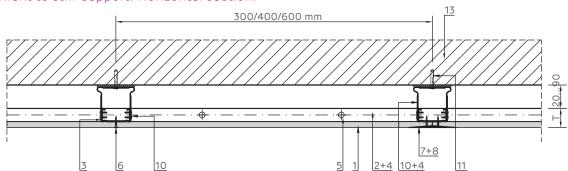
### DETAIL ENGINEERING FOR SHAFT-WALL AND LINING **SYSTEMS**

NIDA System T.CD - lining fixed with intermediate clamps  NIDA System T.CD single-layer lining on NIDA Metal CD/UD structure, with intermediate fixing  NIDA System T.CD double-layer lining on NIDA Metal CD/UD structure, with intermediate fixing  NIDA System T.CD triple-layer lining on NIDA Metal CD/UD structure, with intermediate fixing	8 12 16
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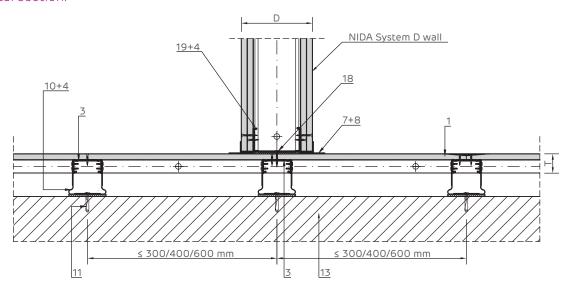
# NIDA System T.CD

NIDA System T.CD single-layer lining on NIDA Metal CD/UD structure, with intermediate fixing

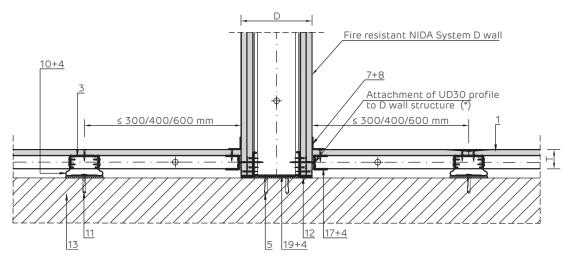
Attachment to stiff support. Horizontal section.



Crossing with D wall less resistant to fire Horizontal section.



Crossing with D wall more resistant to fire Horizontal section.



#### NOTE (\*):

NIDA Metal UD30 end profile may be fixed to NIDA System D wall via:

- Self-tapping screws + flat washer @ 500 mm, for fixing into wall CW profile
- Molly metal dowel @ 500 mm, for fixing into wall plasterboard





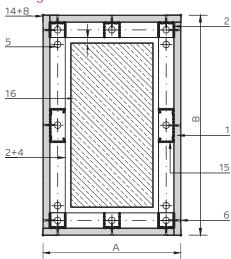




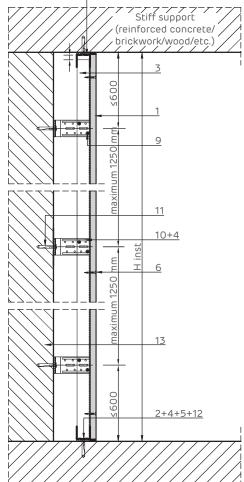
#### Rigid jointing with sturdy item Horizontal section.

# 300/400/600 mm 300/400/600 mm

#### Lining of a wooden item

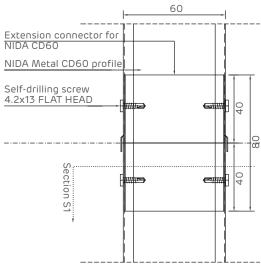


#### Vertical section 2+4+5+12

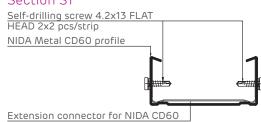


A minimum of 3 fasteners should be fitted along NIDA Metal UD. (\*3) If the lining size (A/B) exceeds the maximum value of 600 mm , an additional upright ( marked with a dotted line in the plan) should be placed.

#### Detail of NIDA Metal CD60 profile jointing.



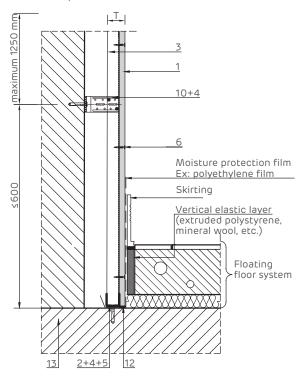
#### Section S1



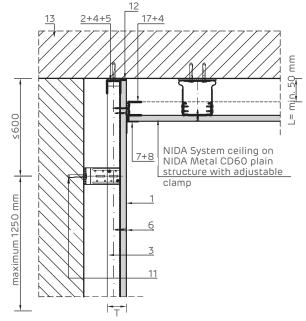
- 1x Siniat plasterboard
- 2 NIDA Metal UD30 runner profile
- 3 NIDA Metal CD60 profile
- 4 Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- 6 Self-tapping screw 212xL1 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- Self-drilling screw 4.2x13 FLAT HEAD 2x2 pcs/fastener
- 10 Adjustable clamp

- 11 Mechanical fixing (\*1) 1 pc/fastening
- 12 NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/
- 14 Corner protection profile
- 15 NIDA Metal CD60 additional profile
- 16 Wooden item
- 17 NIDA Metal UD30 end profile
- 18 Self-tapping screw 212xL2 + flat washer @ 500 mm
- 19 NIDA Metal CW profile
- 20 MOLLY @ 500 mm metal dowel

Detailed crossing with floating floor system. Vertical section at bottom of lining for superior acoustic performance.



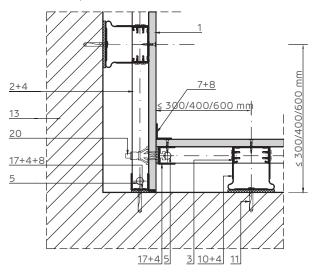
Detailed crossing with suspended ceiling on plain structure with adjustable clamp. Vertical section



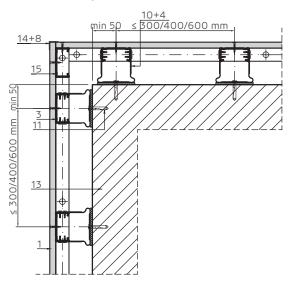
#### NOTE

NIDA Metal UD runner profile may not be fixed to the wall structure in the plasterboard sliding area.

#### 90° corner joint. Horizontal section.



#### 270° corner joint. Horizontal section.



# Expansion joint Horizontal section. 300 mm 11 (iv) \*Note The size of the joint will also be determined by the size of NIDA board strip (Fore-upright on the board

PVC profile

#### NOTE:

- (iv) For the last plasterboard layer, it is not acceptable to make a joint in front of the specified upright.
- (v) In the case of lining longer than 15 m, a vertical joint should be made every 10 m of the system; The joint should also be placed in front of structural joints.



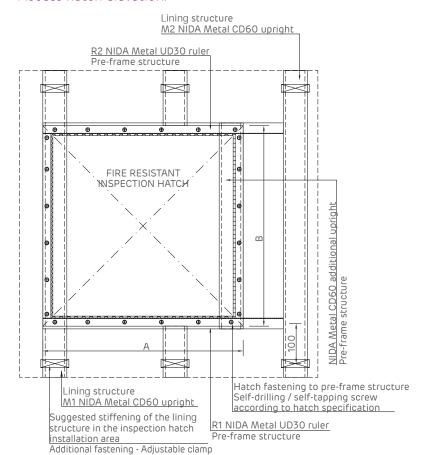


the structural joint, but not less than 20 mm

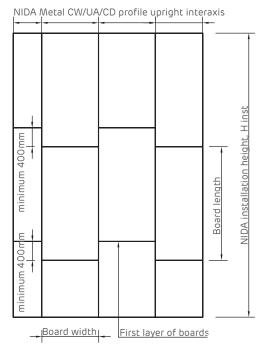




with self-tapping screw 212)



Board staggering. System elevation. Vertical and horizontal joints should be staggered to avoid overlap.

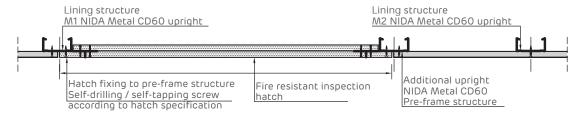


The pre-frame structure (Rulers R1, R2 + Uprights M1, M2) used for fixing the hatch will be sized according to the following points:

- Hatch sizes (A, B)
- Hatch weight
- · Lining height and configuration

If the NIDA System lining is intended to be fire resistant from both directions, then the installed hatch shall also be fire resistant from both directions.

#### NIDA System T - Single-layer lining on NIDA Metal CD profiles with intermediate fixing. Horizontal section of the inspection hatch.



The detail presented is general in nature and focuses on the stiffening of the structure in the hatch installation area. It will be customised according to the model of hatch to be installed in the NIDA system

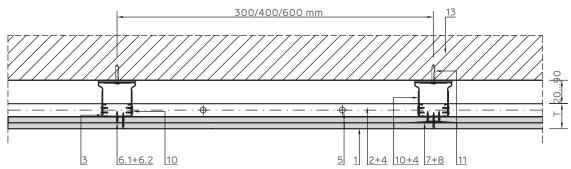
- 1 1x Siniat plasterboard
- 2 NIDA Metal UD30 runner profile
- NIDA Metal CD60 profile
- 4 Single-sided sealing tape
- Mechanical fixing Max. pitch 50 cm (\*1)
- 6 Self-tapping screw 212xL1 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- Self-drilling screw 4.2x13 FLAT HEAD 2x2 pcs/fastener
- Adjustable clamp

- 11 Mechanical fixing (\*1) 1 pc/fastening
- 12 NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- 14 Corner protection profile
- 15 NIDA Metal CD60 additional profile
- 16 Wooden item
- 17 NIDA Metal UD30 end profile
- (8) Self-tapping screw 212xL2 + flat washer @ 500 mm
- 19 NIDA Metal CW profile
- 20 MOLLY @ 500 mm metal dowel

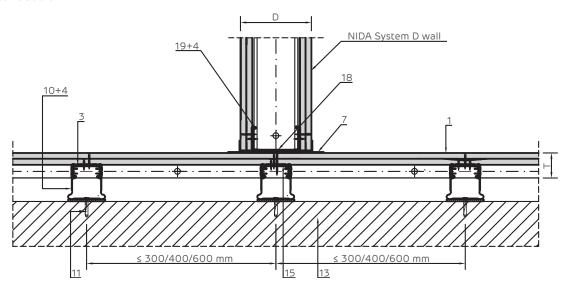
# NIDA System T.CD

NIDA System T.CD double-layer lining on NIDA Metal CD/UD structure, with intermediate fixing

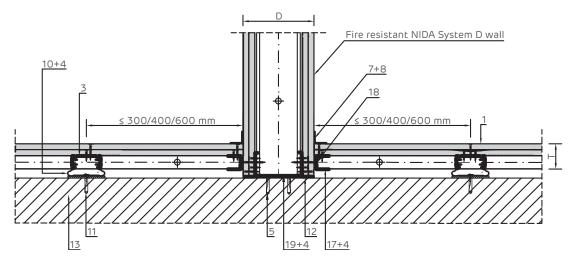
Attachment to stiff support. Horizontal cross-section.



Crossing with D wall less resistant to fire Horizontal section.



Crossing with D wall more resistant to fire Horizontal section.



- NIDA Metal UD30 end profile may be fixed to NIDA System D wall via:

   Self-tapping screws + flat washer @ 500 mm, for fixing into wall CW profile

   Molly metal dowel @ 500 mm, for fastening into wall plasterboard



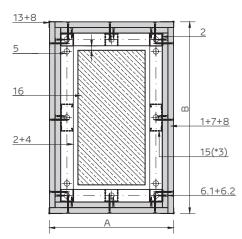




#### Rigid jointing with sturdy item Horizontal section.

# \$\frac{11}{2+4}\$ \$\frac{11}{2}\$ \$\frac{1}{3}\$ \$\frac{300}{400}\frac{600 \text{ mm}}{12}\$ \$\frac{1}{13}\$ \$\frac{6.1+6.2}{2}\$

# Lining of a wooden item Horizontal section.



Attachment to stiff support.

Vertical section

2+4+5+12

Stiff support (reinforced concrete/ brickwork/wood/etc.)

1+7+8

3

11

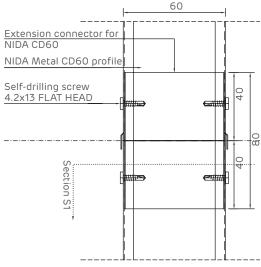
10+4

SEE J 6.1+6.2

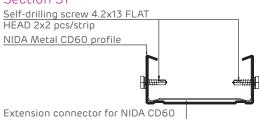
NOTE (\*3):
If the lining

If the lining size (A/B) exceeds the maximum value of 600 mm, an additional upright (shown as a dotted line in the plan) will be placed.

#### Detail of NIDA Metal CD60 profile jointing.



#### Section S1



- 1 2x Siniat plasterboard
- 2 NIDA Metal UD30 runner profile
- 3 NIDA Metal CD60 profile
- 4 Single-sided sealing tape
- 5 Mechanical fixing Max. pitch 500 mm (\*1)
- 61) Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- 9 Self-drilling screw 4.2x13 FLAT HEAD 2x2 pcs/fastener
- Adjustable clamp

- 11 Mechanical fixing (\*1) 1 pc/fastening
- 12 NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- (4) Corner protection profile
- 15 NIDA Metal CD60 additional profile
- 16 Wooden item
- 17 NIDA Metal UD30 end profile
- 8 Self-tapping screw 212xL3 + flat washer @ 500 mm
- 19 NIDA Metal CW profile
- 20 MOLLY @ 500 mm metal dowel

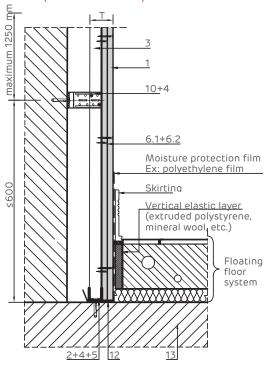
Stiff support (reinforced concrete/

brickwork/wood/etc.)

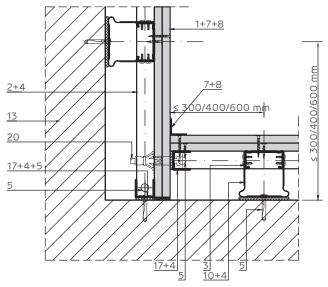


**WORK DETAILS** 10

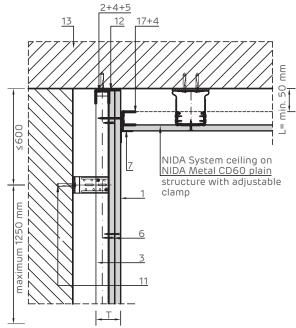
> Detailed crossing with floating floor system. Vertical section at the bottom of the lining. For superior acoustic performance.



#### 90° corner joint. Horizontal cross-section.

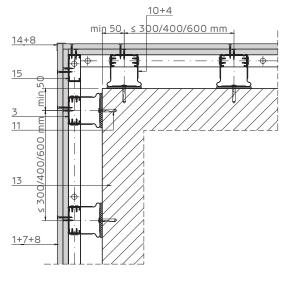


#### Detailed crossing with suspended ceiling on plain structure with adjustable clamp. Vertical section

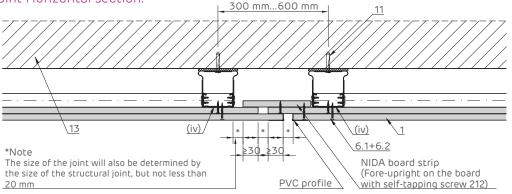


NIDA Metal UD runner profile may not be fixed to the wall structure in the plasterboard sliding area.

#### 270° corner joint. Horizontal section.



Expansion joint Horizontal section.



#### NOTE:

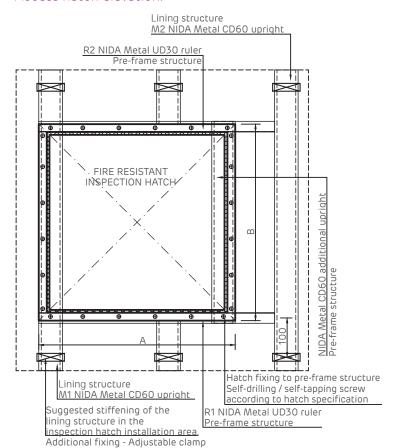
- (iv) For the last plasterboard layer, it is not acceptable to make a joint in front of the specified upright.
- (v) In the case of lining longer than 15 m, a vertical joint should be made every 10 m of the system; The joint should also be placed in front of structural joints.

Info +40 312 240 100

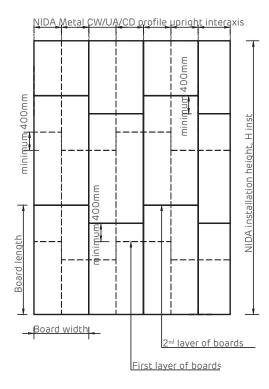








Board staggering. System elevation. Vertical and horizontal joints should be staggered to avoid overlap.



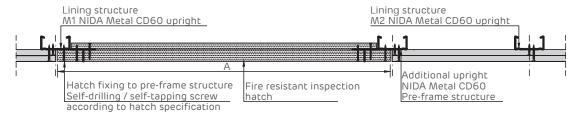
#### NOTE (\*):

The pre-frame structure (Rulers R1, R2 + Uprights M1, M2) used for fixing the hatch will be sized according to the following points:

- Hatch sizes (A, B)
- Hatch weight
- Lining height and configuration

If the NĪDA System lining is intended to be fire resistant from both directions, then the installed hatch shall also be fire resistant from both directions.

# NIDA System T - Double-layer lining on NIDA Metal CD profiles with intermediate fixing. Horizontal section of the inspection hatch.



#### NOTE:

The detail presented is general in nature and focuses on the stiffening of the structure in the hatch installation area. It will be customised according to the model of hatch to be installed in the NIDA system

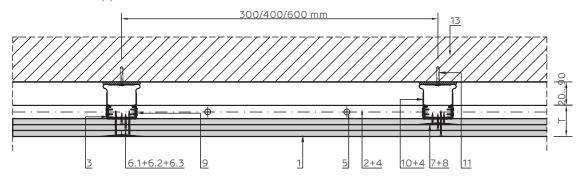
- 1 2x Siniat plasterboard
- 2 NIDA Metal UD30 runner profile
- NIDA Metal CD60 profile
- 4 Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- 6 Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- Self-drilling screw 4.2x13 FLAT HEAD 2x2 pcs/fastener
- 10 Adjustable clamp

- 11 Mechanical fixing (\*1) 1 pc/fastening
- 12 NIDA Boardfix
- 3 Stiff support (reinforced concrete/brickwork/wood/etc.)
- (14) Corner protection profile
- 15 NIDA Metal CD60 additional profile
- 16 Wooden item
- 17 NIDA Metal UD30 end profile
- 18 Self-tapping screw 212xL3 + flat washer @ 500 mm
- 19 NIDA Metal CW profile
- 20 MOLLY @ 500 mm metal dowel

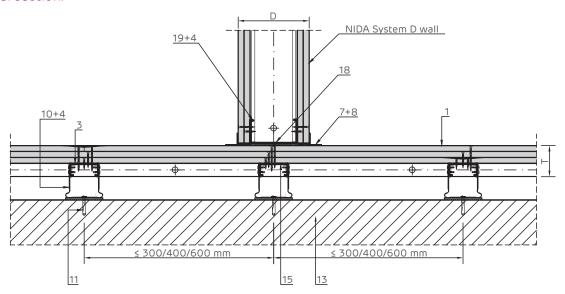
# NIDA System T.CD

NIDA System T.CD triple-layer lining on NIDA Metal CD/UD structure, with intermediate fixing

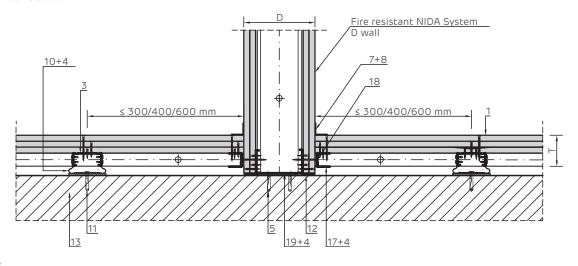
Attachment to stiff support. Horizontal section.



Crossing with D wall less resistant to fire Horizontal section.



Crossing with D wall more resistant to fire Horizontal section.



#### NOTE (\*):

NIDA Metal UD30 end profile may be fixed to NIDA System D wall via:

- Self-tapping screws + flat washer @ 500 mm, for fixing into wall CW profile
- Molly metal dowel @ 500 mm, for fixing into wall plasterboard

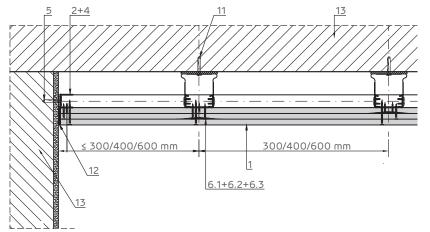




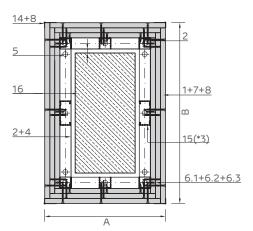




#### Rigid jointing with sturdy item Horizontal section.

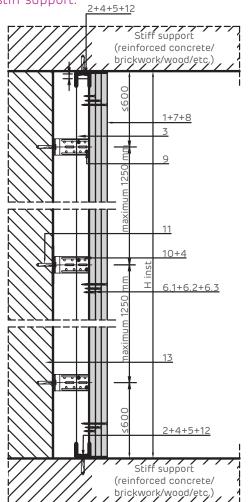


#### Lining of a wooden item Horizontal section.

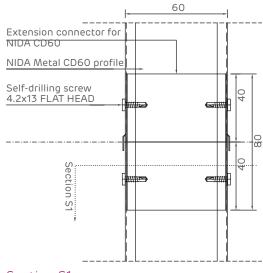


Attachment to stiff support.

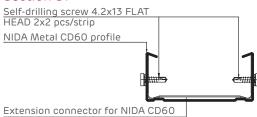
Vertical section



#### Detail of NIDA Metal CD60 profile jointing.



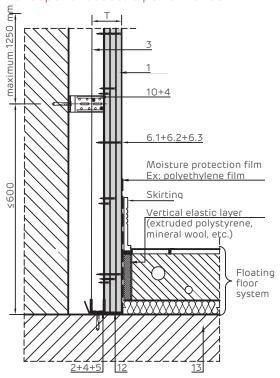
#### Section S1



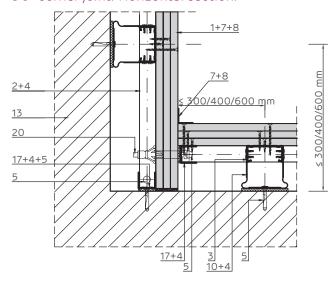
- 1 3x Siniat plasterboard
- NIDA Metal UD30 runner profile
- 3 NIDA Metal CD60 profile
- Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 600
- Self-tapping screw 212xL3 @ 300
- Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- Self-drilling screw 4.2x13 FLAT HEAD 2x2 pcs/fastener

- 10 Adjustable clamp
- 11 Mechanical fixing (\*1) 1 pc/fastening
- NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- Corner protection profile
- NIDA Metal CD60 additional profile
- 16 Wooden item
- NIDA Metal UD30 end profile
- Self-tapping screw 212xL4 + flat washer @ 500 mm
- NIDA Metal CW profile
- 20 MOLLY @ 500 mm metal dowel

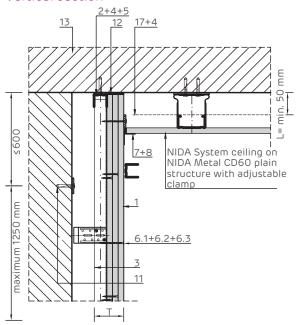
Detailed crossing with floating floor system. Vertical section at the bottom of the lining. For superior acoustic performance.



#### 90° corner joint. Horizontal section.



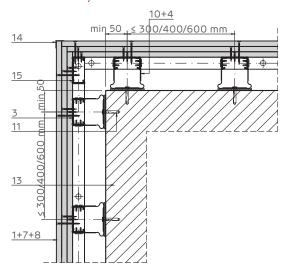
#### Detailed crossing with suspended ceiling on plain structure with adjustable clamp. Vertical section



#### NOTE:

NIDA Metal UD runner profile may not be fixed to the wall structure in the plasterboard sliding area.

#### 270° corner joint. Horizontal section.



#### Expansion joint Horizontal section. 300 mm...600 mm (iv) <u>6.1+6.2+6</u>.3 NIDA board strip The size of the joint will also be determined by the size of the structural joint, but not less than (Fore-upright on the board PVC profile with self-tapping screw 212)

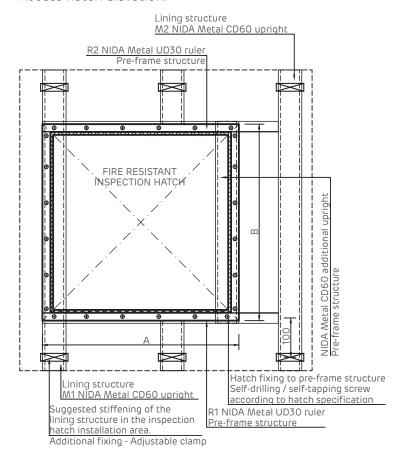
#### NOTE:

- (iv) For the last plasterboard layer, it is not acceptable to make a joint in front of the specified upright.
- (v) In the case of lining longer than 15 m, a vertical joint should be made every 10 m of the system; The joint should also be placed in front of structural joints.

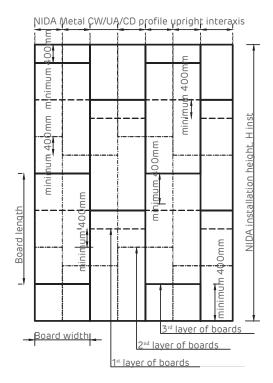








Board staggering. System elevation. Vertical and horizontal joints should be staggered to avoid overlap.



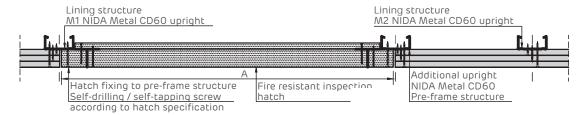
#### NOTE (\*):

The pre-frame structure (Rulers R1, R2 + Uprights M1, M2) used for fixing the hatch will be sized according to the following points:

- Hatch sizes (A, B)
- Hatch weight
- Lining height and configuration

If the NIDA System lining is intended to be fire resistant from both directions, then the installed hatch shall also be fire resistant from both directions.

#### NIDA System T - Triple-layer lining on NIDA Metal CD profiles with intermediate fixing. Horizontal section of the inspection hatch.



#### NOTE:

The detail presented is general in nature and focuses on the stiffening of the structure in the hatch installation area. It will be customised according to the model of hatch to be installed in the NIDA system

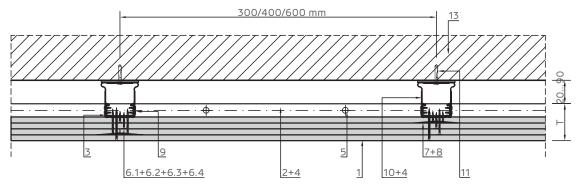
- 1 3x Siniat plasterboard
- 2 NIDA Metal UD30 runner profile
- NIDA Metal CD60 profile
- 4 Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- 6 Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 600
- Self-tapping screw 212xL3 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- Self-drilling screw 4.2x13 FLAT HEAD 2x2 pcs/fastener

- 10 Adjustable clamp
- 11 Mechanical fixing (\*1) 1 pc/fastening
- 12 NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- 14 Corner protection profile
- 15 NIDA Metal CD60 additional profile
- 16 Wooden item
- 17 NIDA Metal UD30 end profile
- 18 Self-tapping screw 212xL4 + flat washer @ 500 mm
- 19 NIDA Metal CW profile
- 20 MOLLY @ 500 mm metal dowel

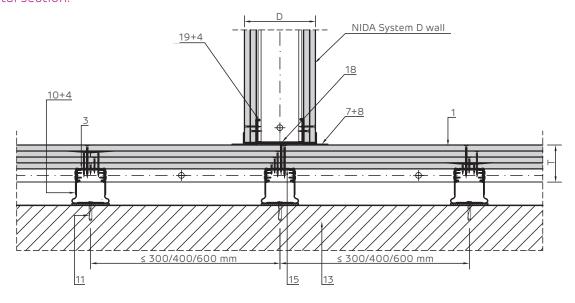
**WORK DETAILS** 16

NIDA System T.CD
NIDA System T.CD four-layer lining on NIDA Metal CD/UD structure, with intermediate fixing

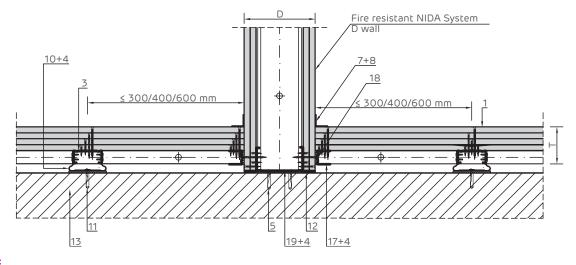
Attachment to stiff support. Horizontal section.



Crossing with D wall less resistant to fire Horizontal section.



Crossing with D wall more resistant to fire Horizontal section.



#### NOTE (\*):

- NIDA Metal UD30 end profile may be fixed to NIDA System D wall via:

   Self-tapping screws + flat washer @ 500 mm, for fixing into wall CW profile
- Molly metal dowel @ 500 mm, for fixing into wall plasterboard





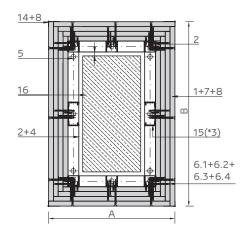




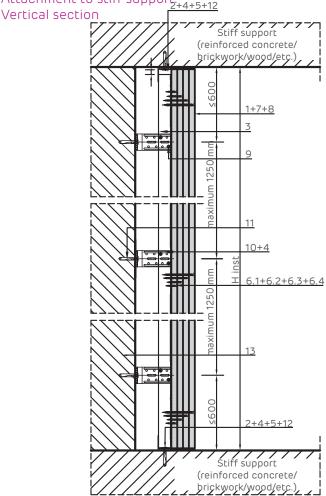
#### Rigid jointing with sturdy item Horizontal section.

# ≤ 300/400/600 mm 300/400/600 mm 6.1+6.2+6.3+6.4

#### Lining of a wooden item Horizontal section.



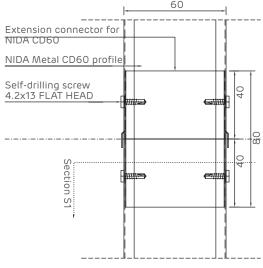
Attachment to stiff support



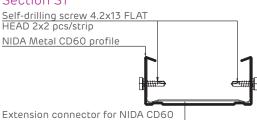
#### NOTE:

A minimum of 3 fasteners should be fitted along NIDA Metal UD. (\*3) If the lining size (A/B) exceeds the maximum value of 600 mm, an additional upright (marked with a dotted line in the plan)should be placed.

#### Detail of NIDA Metal CD60 profile jointing



#### Section S1



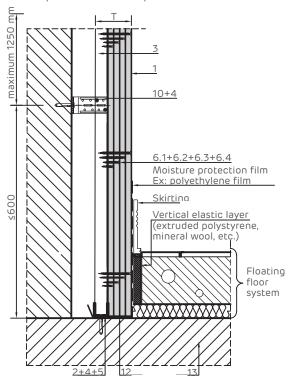
- Adjustable clamp
- Mechanical fixing (\*1) 1 pc/fastening
- NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- Corner protection profile
- NIDA Metal CD60 additional profile
- Wooden item
- NIDA Metal UD30 end profile
- Self-tapping screw 212xL5 + flat washer @ 500 mm
- NIDA Metal CW profile
- 20 MOLLY @ 500 mm metal dowel

#### 4x Siniat plasterboard

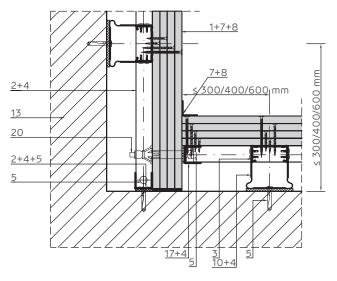
- NIDA Metal UD30 runner profile
- NIDA Metal CD60 profile
- Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 600
- Self-tapping screw 212xL3 @ 600
- Self-tapping screw 212xL4 @ 300
- Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- Self-drilling screw 4.2x13 FLAT HEAD 2x2 pcs/fastener

**WORK DETAILS** 18

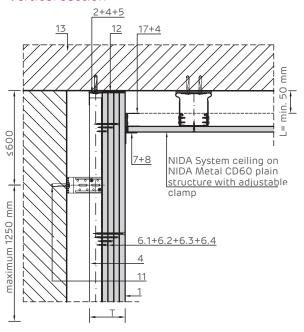
> Detailed crossing with floating floor system. Vertical section at the bottom of the lining. For superior acoustic performance.



#### 90° corner joint. Horizontal section.

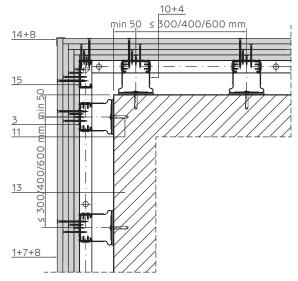


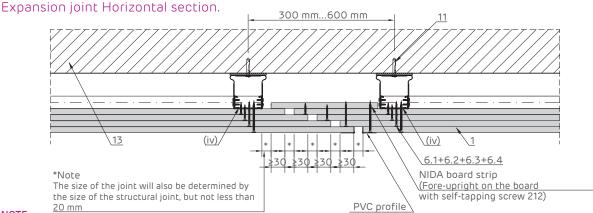
#### Detailed crossing with suspended ceiling on plain structure with adjustable clamp. Vertical section



NIDA Metal UD runner profile may not be fixed to the wall structure in the plasterboard sliding area.

#### 270° corner joint. Horizontal section.

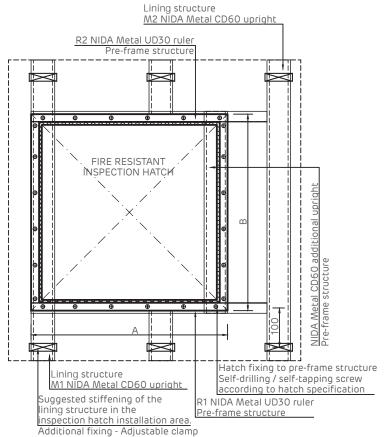




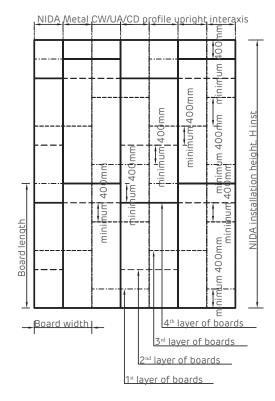
- NOTE:
- (iv) For the last plasterboard layer, it is not acceptable to make a joint in front of the specified upright.
- (v) In the case of lining longer than 15 m, a vertical joint should be made every 10 m of the system;

The joint should also be placed in front of structural joints.





Board staggering. System elevation. Vertical and horizontal joints should be staggered to avoid overlap.



#### NOTE (\*):

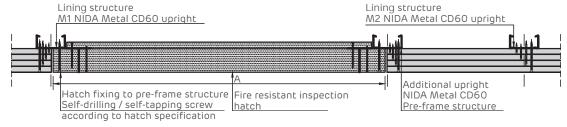
NOTE:

The pre-frame structure (Rulers R1, R2 + Uprights M1, M2) used for fixing the hatch will be sized according to the following points:

- Hatch sizes (A, B)
- Hatch weight
- Lining height and configuration

If the NIDA System lining is intended to be fire resistant from both directions, then the installed hatch shall also be fire resistant from both directions.

#### NIDA System T - Four-layer lining on NIDA Metal CD profiles with intermediate fixing. Horizontal section of the inspection hatch.



The detail presented is general in nature and focuses on the stiffening of the structure in the hatch installation area. It will be customised according to the model of hatch to be installed in the NIDA system

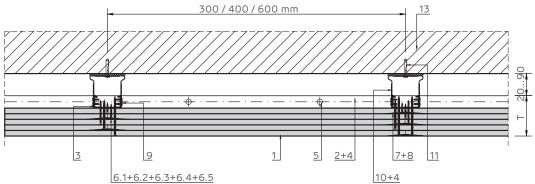
- 4x Siniat plasterboard
- NIDA Metal UD30 runner profile
- 3 NIDA Metal CD60 profile
- 4 Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- 🚮 Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 600
- 🚯 Self-tapping screw 212xL3 @ 600
- Self-tapping screw 212xL4 @ 300
- Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- Self-drilling screw 4.2x13 FLAT HEAD 2x2 pcs/fastener

- Adjustable clamp
- Mechanical fixing (\*1) 1 pc/fastening
- 12 NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- Corner protection profile
- NIDA Metal CD60 additional profile
- 🔞 Wooden item
- NIDA Metal UD30 end profile
- 18 Self-tapping screw 212xL5 + flat washer @ 500 mm
- 19 NIDA Metal CW profile
- MOLLY @ 500 mm metal dowel

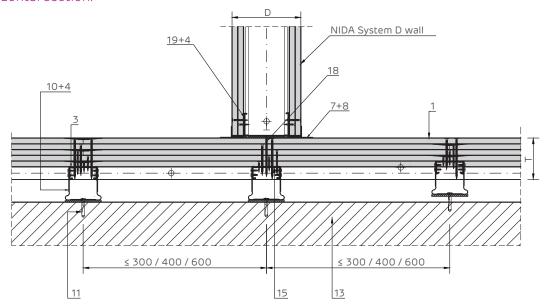
# NIDA System T.CD NIDA System T.CD five-layer lining

on NIDA Metal CD/UD structure, with intermediate fixing

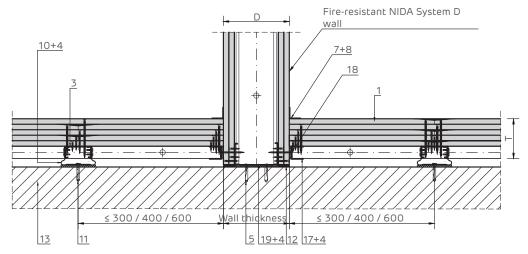
Attachment to stiff support. Horizontal section.



Crossing with D wall less resistant to fire Horizontal section.



Crossing with D wall more resistant to fire Horizontal section.



#### NOTE (\*):

- NIDA Metal UD30 end profile may be fixed to NIDA System D wall via:

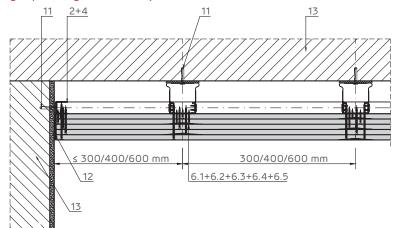
   Self-tapping screws + flat washer @ 500 mm, for fixing into wall CW profile
- Molly metal dowel @ 500 mm, for fixing into wall plasterboard



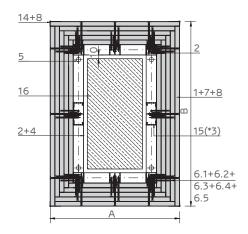


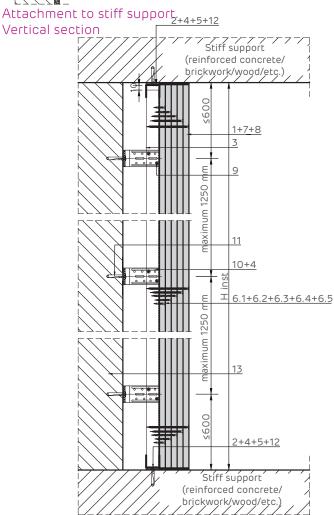


#### Rigid jointing with sturdy item Horizontal section.



#### Lining of a wooden item Horizontal section.

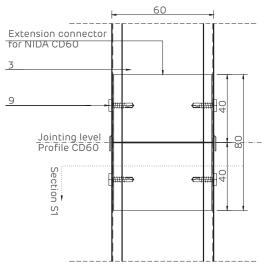




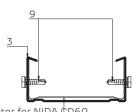
#### NOTE:

A minimum of 3 fasteners should be fitted along NIDA Metal UD. (\*3) If the lining size (A/B) exceeds the maximum value of 600 mm, an additional upright (marked with a dotted line in the plan) should be placed.

#### Detail of NIDA Metal CD60 profile jointing.



#### Section S1



- Extension connector for NIDA ¢D60
- Self-drilling screw 4.2x13 FLAT HEAD 2x2 pcs/fastener
- 10 Adjustable clamp
- Mechanical fixing (\*1) 1 pc/fastening
- NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- Corner protection profile
- NIDA Metal CD60 additional profile
- Wooden item
- NIDA Metal UD30 end profile
- Self-tapping screw 212xL5 + flat washer @ 500 mm
- NIDA Metal CW profile
- 20 MOLLY @ 500 mm metal dowel

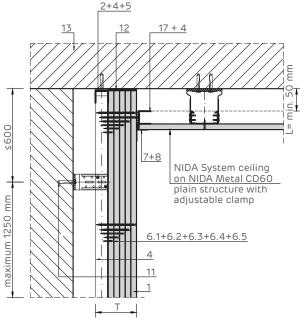
- 5 x Siniat plasterboard
- NIDA Metal UD30 runner profile
- NIDA Metal CD60 stud
- Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 600
- Self-tapping screw 212xL3 @ 600
- Self-tapping screw 212xL4 @ 600
- 🚯 Self-tapping screw 212xL4 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster

Detailed crossing with floating floor system. Vertical section at the bottom of the lining. For superior acoustic performance.

### 1250 maximum 10 + 46.1+6.2+6.3+6.4+6.5 Skirting Vertical elastic layer (extruded polystyrene, mineral wool, etc.) ≥600 Moisture protection film Ex: polyethylene film Floating floor system <u>13</u> 2+4+5 12

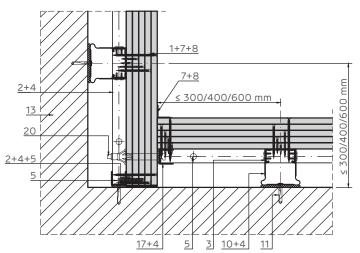
Detailed crossing with suspended ceiling on plain structure with adjustable clamp.

Vertical section

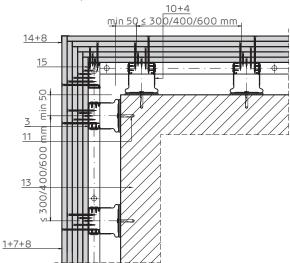


NIDA Metal UD runner profile may not be fixed to the wall structure in the plasterboard sliding area.

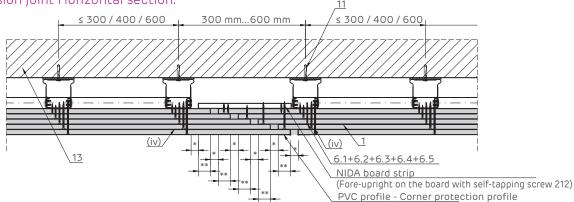
#### 90° corner joint. Horizontal section.



270° corner joint. Horizontal section.



Expansion joint Horizontal section.



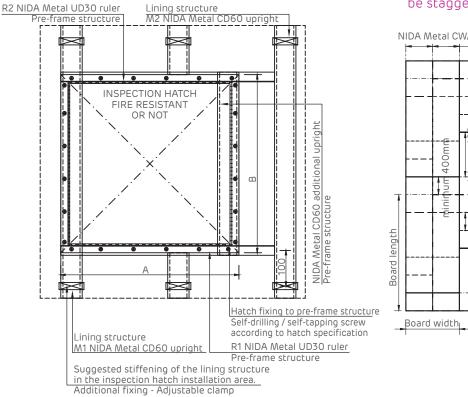
- (iv) For the last plasterboard layer, it is not acceptable to make a joint in front of the specified upright.
- (v) In the case of lining longer than 15 m, a vertical joint should be made every 10 m of the system The joint should also be placed in front of structural joints.
- The size of the joint will also be determined by the size of the structural joint, but not less than 20 mm
- \*\* The overlap of boards should have a minimum size of (\* + 10 mm)



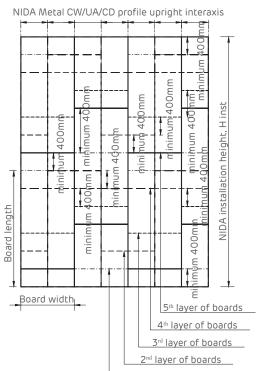








Board staggering. System elevation. Vertical and horizontal joints should be staggered to avoid overlap.



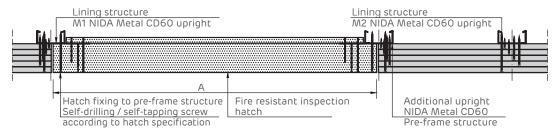
#### NOTE (\*):

The pre-frame structure (Rulers R1, R2 + Uprights M1, M2) used for fixing the hatch will be sized according to the following points:

- Hatch sizes (A. B)
- Hatch weight
- · Lining height and configuration

If the NĪDA System lining is intended to be fire resistant from both directions, then the installed hatch shall also be fire resistant from both

NIDA System T - Five-layer lining on NIDA Metal CD profiles with intermediate fixing. Horizontal section of the inspection hatch.



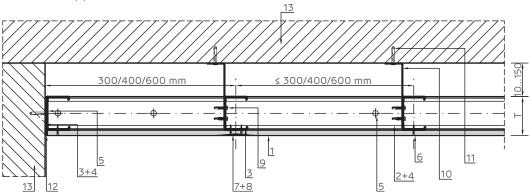
The detail presented is general in nature and focuses on the stiffening of the structure in the hatch installation area. It will be customised according to the model of hatch to be installed in the NIDA system

- 5x Siniat plasterboard
- 2 NIDA Metal UD30 runner profile
- 3 NIDA Metal CD60 profile
- Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- Self-tapping screw 212xL1 @ 600
- 6.2 Self-tapping screw 212xL2 @ 600
- 🚯 Self-tapping screw 212xL3 @ 600
- 6.4 Self-tapping screw 212xL4 @ 600
- 65 Self-tapping screw 212xL5 @ 300
- Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- Self-drilling screw 4.2x13 FLAT HEAD 2x2 pcs/fastener

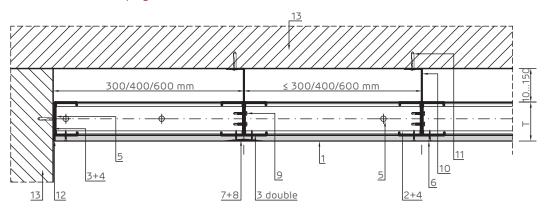
- 10 Adjustable clamp
- 11 Mechanical fixing (\*1) 1 pc/fastening
- 12 NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- 14 Corner protection profile
- 15 NIDA Metal CD60 additional profile
- 16 Wooden item
- 17 NIDA Metal UD30 end profile
- 18 Self-tapping screw 212xL5 + flat washer @ 500 mm
- 19 NIDA Metal CW profile
- MOLLY @ 500 mm metal dowel

NIDA System T.CW.F NIDA System T.CW.F single-layer lining on NIDA Metal CW/UW structure, with intermediate fixing

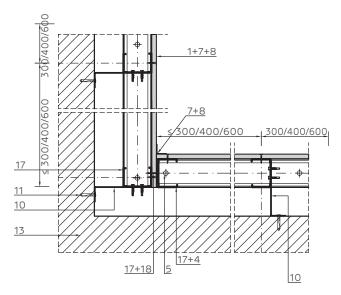
Attachment to stiff support. Horizontal section.



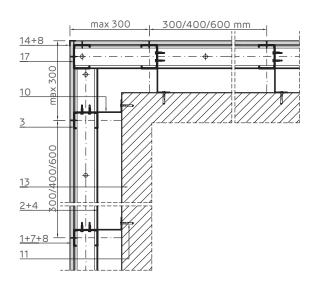
Attachment to stiff support. Horizontal section - double upright



#### 90° corner joint. Horizontal section.

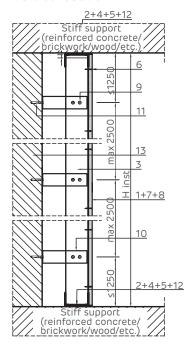


#### 270° corner joint. Horizontal section.

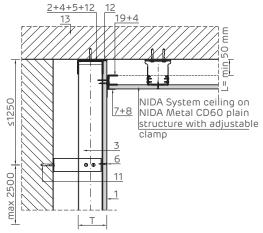




#### Attachment to stiff support. Vertical section



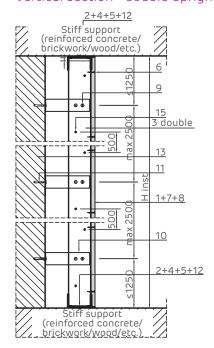
#### Detailed crossing with suspended ceiling on plain structure with adjustable clamp. Vertical section



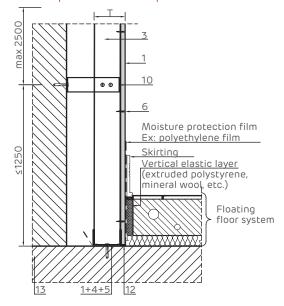
NIDA Metal UD runner profile may not be fixed to the wall structure in the plasterboard sliding area.

- 1x Siniat plasterboard
- 2 NIDA Metal UW runner profile
- NIDA Metal CW stud
- 4 Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- 6 Self-tapping screw 212xL1 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- 9 Self-drilling screw 5.5x25- 2 pcs/fastening
- 10 Corner iron 200x40x40x2 mm

#### Attachment to stiff support. Vertical section - double upright

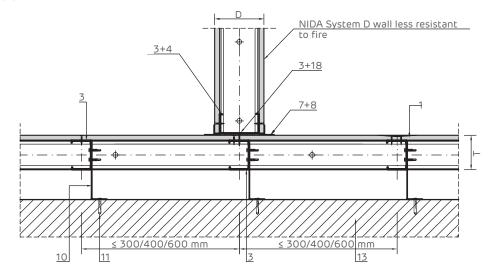


Detailed crossing with floating floor system. Vertical section at the bottom of the lining. For superior acoustic performance.

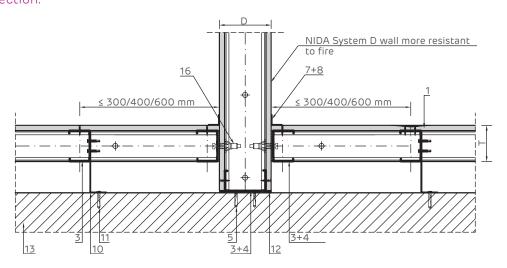


- Mechanical fixing (\*1) 1 pc/fastening
- 12 NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 MOLLY @ 500 mm metal dowel
- NIDA Metal CW end profile
- (8) Self-tapping screw 212xL2 + flat washer @500mm
- 19 NIDA Metal UD30 end profile

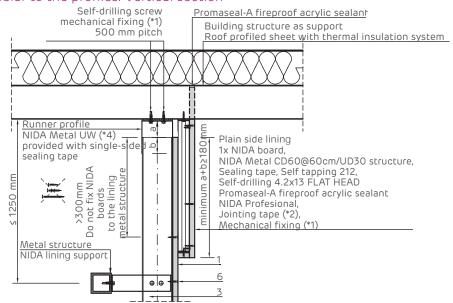
#### Crossing with D wall less resistant to fire Horizontal section.



#### Crossing with D wall more resistant to fire Horizontal section.



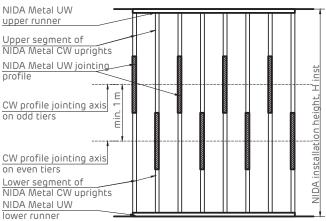
#### Detailed attachment at the top on the roof profiled sheet. System perpendicular to the profiles. Vertical section





Lining structure M2 NIDA Metal CW upright R2 NIDA Metal UW-UA ruler Pre-frame structure X X X FIRE RESISTANT INSPECTION HATCH Pre-frame structu NIDA Metal ining structure Hatch fixing to pre-frame structure M1 NĬDA Metal CW upright Self-drilling / self-tapping screw R1 NIDA Metal UW/UA ruler according to hatch specification Pre-frame structure Suggested stiffening of the lining structure in the inspection hatch

NIDA Metal CW profile joint staggering. System elevation.



Board staggering. System elevation. Vertical and horizontal joints should be staggered to avoid overlap.

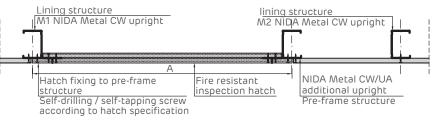
#### installation area. Additional fixing - Adjustable clamp NOTE (\*):

The pre-frame structure (Rulers R1, R2 + Uprights M1, M2) used for fixing the hatch will be sized according to the following points:

- Hatch sizes (A, B)
- Hatch weight
- · Lining height and configuration

M1, M2 uprights design options: CW, CW - H, UA, UA - H, UA strong box type R1, R2 rulers design options: UW, UW strong box type, UA strong box type If the NIDA System lining is intended to be fire resistant from both directions, then the installed hatch shall also be fire resistant from both directions.

#### Horizontal section of the inspection hatch.



NIDA Metal CW/UA/CD profile upright interaxis 400m NIDA installation height, H inst minimum 400mm Board minimum Board width 1st layer of boards

#### NOTE:

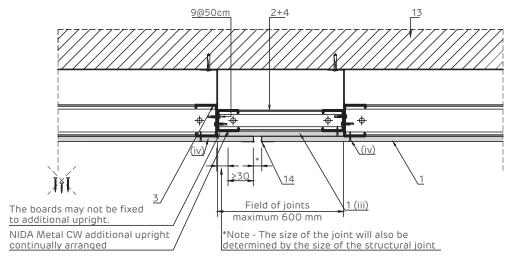
The detail presented is general in nature and focuses on the stiffening of the structure in the hatch installation area. It will be customised according to the model of hatch to be installed in the NIDA system

- 1x Siniat plasterboard
- NIDA Metal UW runner profile
- NIDA Metal CW stud
- 4 Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- 6 Self-tapping screw 212xL1 @ 300
- Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- Self-drilling screw 5.5x25 2 pcs/fastening
- Corner iron 200x40x40x2 mm

- 11 Mechanical fixing (\*1) 1 pc/fastening
- NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- 14 Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 MOLLY @ 500 mm metal dowel
- 17 NIDA Metal CW end profile
- 8 Self-tapping screw 212xL2 + flat washer @ 500 mm
- NIDA Metal UD30 end profile

**WORK DETAILS** 28

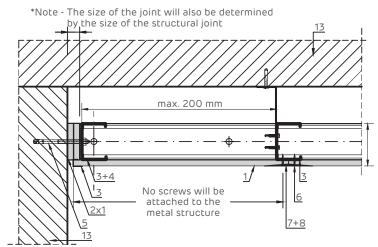
#### Expansion joint Horizontal section.



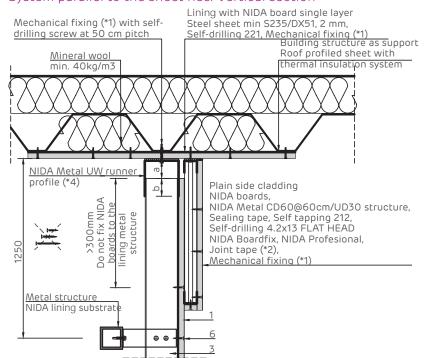
#### NOTE:

(iv) For the last plasterboard layer, it is not acceptable to make a joint in front of the specified upright. (v) In the case of lining longer than 15 m, a vertical joint should be made every 10 m of the system; the joint should also be placed in front of structural joints.

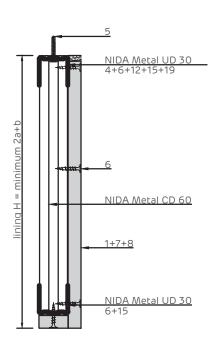
#### Sliding joint with sturdy items. Horizontal section.



#### Detailed attachment at the top on the roof sheet. System parallel to the sheet ribs. Vertical section

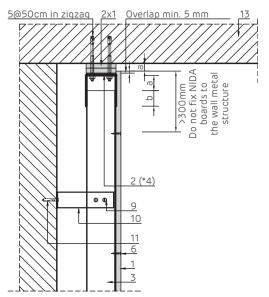


#### Detail of plain side lining. Vertical section

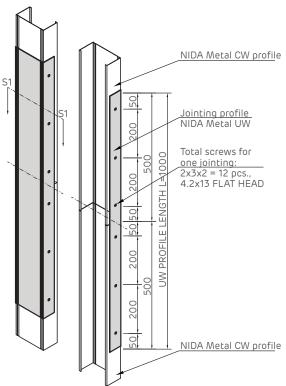




#### Sliding attachment detail at top on reinforced concrete members. Vertical section

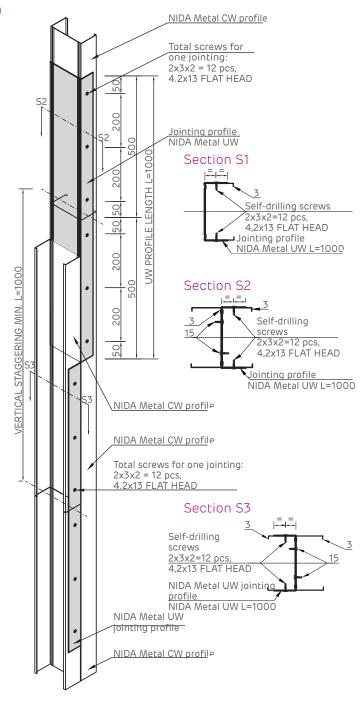


#### Jointing detail of NIDA Metal CW single profiles.



- 1x Siniat plasterboard
- NIDA Metal UW runner profile
- NIDA Metal CW stud
- Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- 6 Self-tapping screw 212xL1 @ 300
- Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- Self-drilling screw 5.5x25 2 pcs/fastening
- Orner iron 200x40x40x2 mm

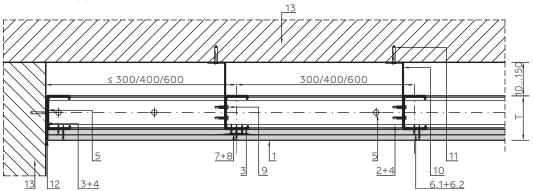
#### Jointing detail of NIDA Metal CW double profiles.



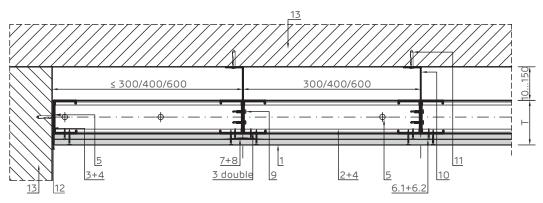
- Mechanical fixing (\*1) 1 pc/fastening
- NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- 14 Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 MOLLY @ 500 mm metal dowel
- 17 NIDA Metal CW end profile
- (8) Self-tapping screw 212xL2 + flat washer @ 500 mm
- 19 NIDA Metal UD30 end profile

NIDA System T.CW.F NIDA System T.CW.F double-layer lining on NIDA Metal CW/UW structure, with intermediate fixing

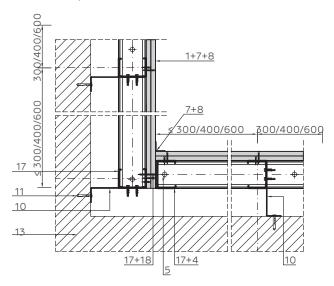
Attachment to stiff support. Horizontal section.



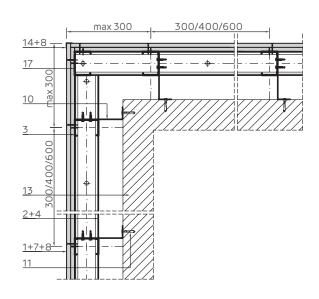
Attachment to stiff support. Horizontal section - double upright



#### 90° corner joint. Horizontal section.

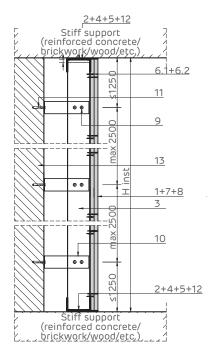


#### 270° corner joint. Horizontal section.

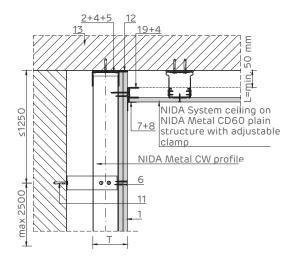




#### Attachment to stiff support. Vertical section



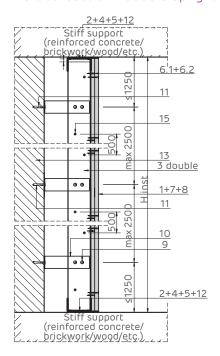
#### Detailed crossing with suspended ceiling on plain structure with adjustable clamp. Vertical section



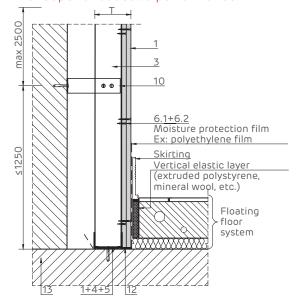
NIDA Metal UD runner profile may not be fixed to the wall structure in the plasterboard sliding area.

- 2x Siniat plasterboard
- NIDA Metal UW runner profile
- NIDA Metal CW stud
- Single-sided sealing tape
- 5 Mechanical fixing Max. pitch 500 mm (\*1)
- 61 Self-tapping screw 212xL1 @ 600
- 62 Self-tapping screw 212xL2 @ 300
- Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- Self-drilling screw 5.5x25- 2 pcs/fastening

#### Attachment to stiff support. Vertical section - double upright

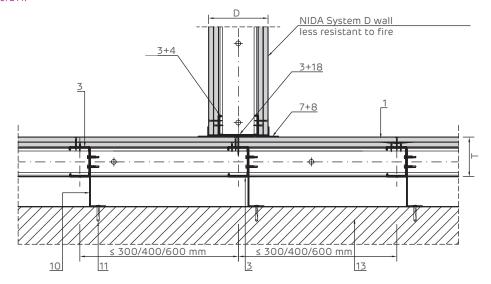


Detailed crossing with floating floor system. Vertical section at the bottom of the lining. For superior acoustic performance.

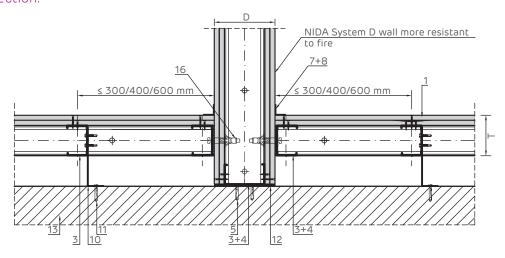


- Corner iron 200x40x40x2 mm
- Mechanical fixing (\*1) 1 pc/fastening
- NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 MOLLY @ 500 mm metal dowel
- NIDA Metal CW end profile
- 🔞 Self-tapping screw 212xL3 + flat washer @500mm
- NIDA Metal UD30 end profile

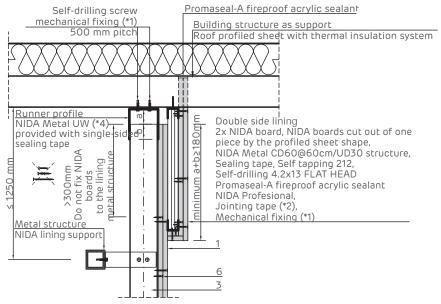
#### Crossing with D wall less resistant to fire Horizontal section.



#### Crossing with D wall more resistant to fire Horizontal section.



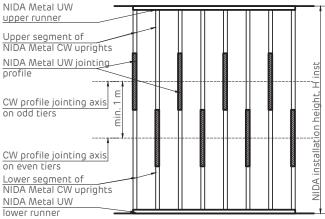
#### Detailed attachment at the top on the roof profiled sheet. System perpendicular to the profiles. Vertical section





Lining structure M2 NIDA Metal CW upright R2 NIDA Metal UW-UA ruler Pre-frame structure X FIRE RESISTANT INSPECTION HATCH CW/UA additional DA MetaT Lining structure Hatch fixing to pre-frame structure Self-drilling / self-tapping screw M1 NĬDA Metal CW upright R1 NIDA Metal UW/UA ruler according to hatch specification Pre-frame structure

NIDA Metal CW profile joint staggering. System elevation.



Board staggering. System elevation. Vertical and horizontal joints should be staggered to avoid overlap.

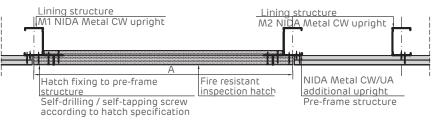
#### Suggested stiffening of the lining structure in the inspection hatch installation area. Additional fixing - Adjustable clamp NOTE (\*):

The pre-frame structure (Rulers R1, R2 + Uprights M1, M2) used for fixing the hatch will be sized according to the following points:

- Hatch sizes (A, B)
- · Hatch weight
- Lining height and configuration

M1, M2 uprights design options: CW, CW - H, UA, UA - H, UA strong box type R1, R2 rulers design options: UW, UW strong box type, UA strong box type If the NIDA System lining is intended to be fire resistant from both directions, then the installed hatch shall also be fire resistant from both directions.

#### Horizontal section of the inspection hatch.



# NIDA Metal CW/UA/CD profile upright interaxis installation height, minimum NIDA i Board length Board width 1st layer of boards of NIDA Metal structure

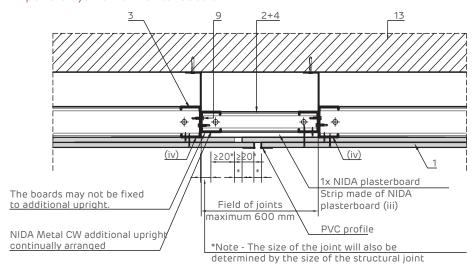
#### NOTE:

The detail presented is general in nature and focuses on the stiffening of the structure in the hatch installation area. It will be customised according to the model of hatch to be installed in the NIDA system

- 1 2x Siniat plasterboard
- NIDA Metal UW runner profile
- NIDA Metal CW stud
- 4 Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- 61 Self-tapping screw 212xL1 @ 600
- 😥 Self-tapping screw 212xL2 @ 300
- 7 Jointing tape (\*2)
- NIDA Profesional jointing plaster
- Self-drilling screw 5.5x25- 2 pcs/fastening

- Orner iron 200x40x40x2 mm
- Mechanical fixing (\*1) 1 pc/fastening
- 12 NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- 14 Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 MOLLY @ 500 mm metal dowel
- 17 NIDA Metal CW end profile
- 8 Self-tapping screw 212xL3 + flat washer @500mm
- 19 NIDA Metal UD30 end profile

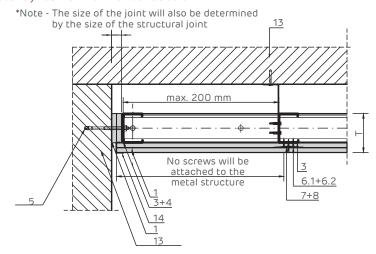
#### Expansion joint Horizontal section.



#### NOTE:

- (iv) For the last plasterboard layer, it is not acceptable to make a joint in front of the specified upright.
- (v)In the case of lining longer than 15 m, a vertical joint should be made every 10 m of the system; the joint should also be placed in front of structural joints.

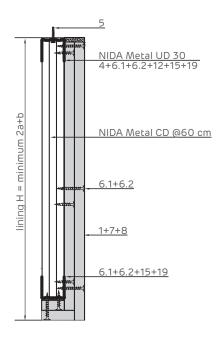
#### Sliding joint with sturdy items. Horizontal section.



#### Detailed attachment at the top on the roof profiled sheet. System parallel to the sheet ribs. Vertical section

#### Lining with NIDA board single layer Side lining with NIDA board double layer Mechanical fixing (\*1) with self-drilling screw at 50 cm pitch Steel sheet min S235/DX51, 2 mm Self-drilling 221, Mechanical fixing (\*1) Building structure as support Roof profiled sheet with Mineral wool min. 40 kg/m<sup>3</sup> thermal insulation system Runner profile NIDA Metal UW (\*4) Double side liningNIDA boards, >300mm not fix NIDA boards o the lining NIDA Metal CD60@60cm/UD30 structure, Sealing tape, Self tapping 212, Self-drilling 4.2x13 FLAT HEAD NIDA Boardfix, NIDA Profesional, Joint tape (\*2), metal Mechanical fixing (\*1) 0 Existing support Metal structure 6.1+6.2

#### Detail of double side lining. Vertical section

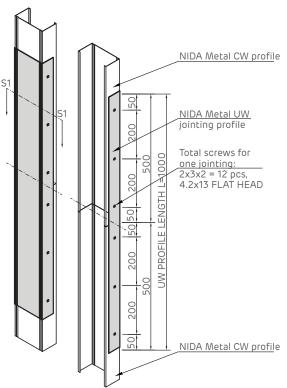




#### Sliding attachment detail at top on reinforced concrete members. Vertical section

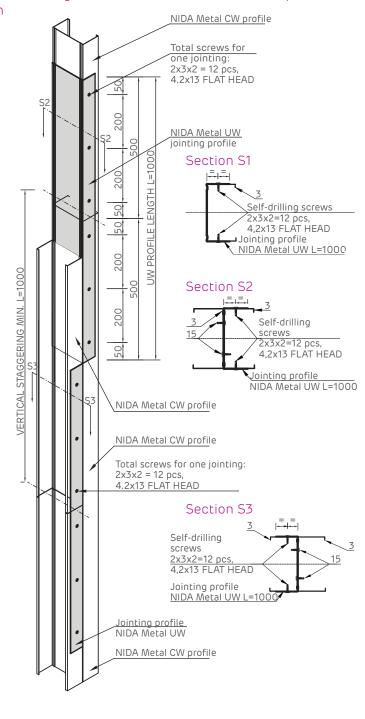
#### Board strip Overlap min. 5 mm 5@50cm in zigzag 13 Do not fix NIDA boards to the wall metal 300mm Q 0 2 (\*4) ⊕ ⊕ 9 10 11 6.1+6.2

#### Jointing detail of NIDA Metal CW single profiles.



- 2x Siniat plasterboard
- NIDA Metal UW runner profile
- NIDA Metal CW stud
- 4 Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- 🚮 Self-tapping screw 212xL1 @ 600
- 😥 Self-tapping screw 212xL2 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- Self-drilling screw 5.5x25- 2 pcs/fastening

#### Jointing detail of NIDA Metal CW doubled profiles.

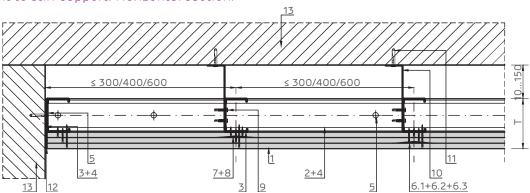


- Orner iron 200x40x40x2 mm
- Mechanical fixing (\*1) 1 pc/fastening
- NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- MOLLY @ 500 mm metal dowel
- NIDA Metal CW end profile
- Self-tapping screw 212xL3 + flat washer @500mm
- NIDA Metal UD30 end profile

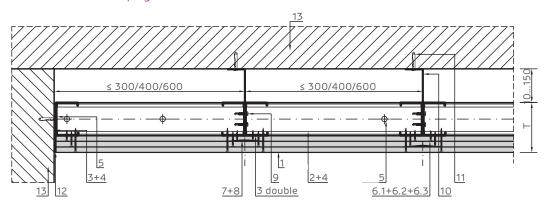
# NIDA System T.CW.F NIDA System T.CW.F triple-layer lining

on NIDA Metal CW/UW structure, with intermediate fixing

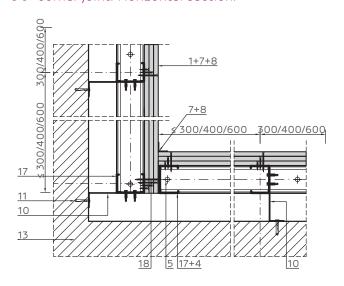
Attachment to stiff support. Horizontal section.



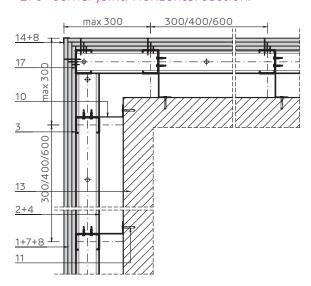
Attachment to stiff support. Horizontal section - double upright



#### 90° corner joint. Horizontal section.



#### 270° corner joint. Horizontal section.

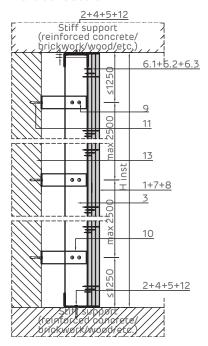




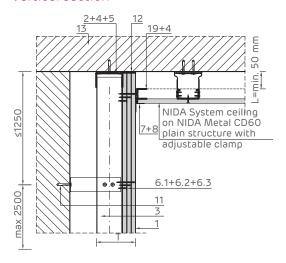




## Attachment to stiff support. Vertical section



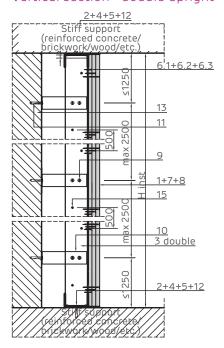
Detailed crossing with suspended ceiling on plain structure with adjustable clamp. Vertical section



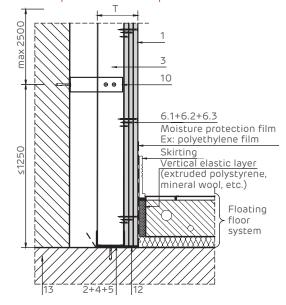
NIDA Metal UD runner profile may not be fixed to the wall structure in the plasterboard sliding area.

- 1 3x Siniat plasterboard
- NIDA Metal UW runner profile
- NIDA Metal CW stud
- Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 600
- 🔂 Self-tapping screw 212xL3 @ 300
- Jointing tape (\*2)
- NIDA Profesional jointing plaster
- Self-drilling screw 5.5x25- 2 pcs/fastening

Attachment to stiff support. Vertical section - double upright

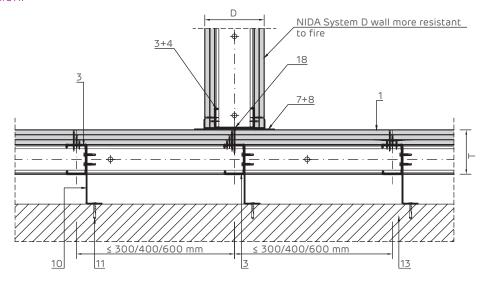


Detailed crossing with floating floor system. Vertical section at the bottom of the lining. For superior acoustic performance.

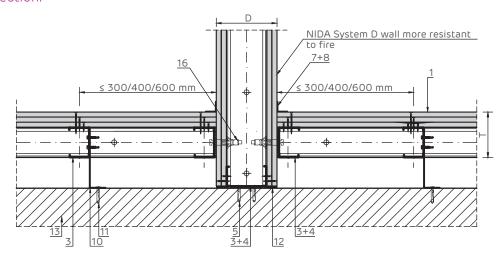


- Orner iron 200x40x40x2 mm
- 1 Mechanical fixing (\*1) 1 pc/fastening
- 12 NIDA Boardfix
- 3 Stiff support (reinforced concrete/brickwork/wood/etc.)
- Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 MOLLY @ 500 mm metal dowel
- 17 NIDA Metal CW end profile
- 18 Self-tapping screw 212xL4 + flat washer @500mm
- 19 NIDA Metal UD30 end profile

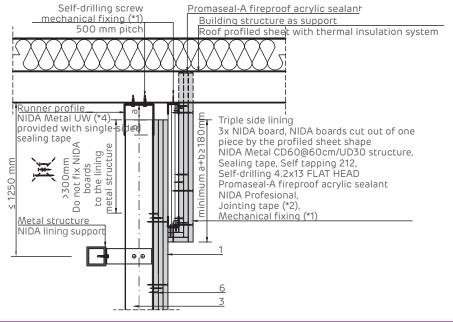
## Crossing with D wall less resistant to fire Horizontal section.



## Crossing with D wall more resistant to fire Horizontal section.



## Detailed attachment at the top on the roof profiled sheet System perpendicular to the profiles. Vertical section

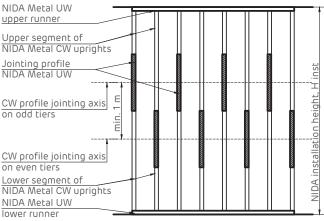




## Access hatch elevation.

Lining structure M2 NIDA Metal CW upright R2 NIDA Metal UW-UA ruler Pre-frame structure X X М FIRE RESISTANT INSPECTION HATCH <u>lid</u> VIDA Metal CW/UA additional Lining structure Hatch fixing to pre-frame structure Self-drilling / self-tapping screw M1 NĬDA Metal CW upright R1 NIDA Metal UW/UA ruler according to hatch specification Pre-frame structure Suggested stiffening of the lining structure in the inspection hatch installation area. Additional fixing - Adjustable clamp

NIDA Metal CW profile joint staggering. System elevation.



Board staggering. System elevation. Vertical and horizontal joints should be staggered to avoid overlap.

NIDA Metal CW/UA/CD profile upright interaxis

3rd layer of boards

of NIDA Metal structure

st layer of boards

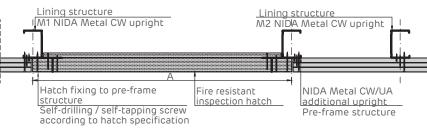
## NOTE (\*):

The pre-frame structure (Rulers R1, R2 + Uprights M1, M2) used for fixing the hatch will be sized according to the following points:

- Hatch sizes (A, B)
- Hatch weight
- Lining height and configuration

M1, M2 uprights design options: CW, CW - H, UA, UA - H, UA strong box type R1, R2 rulers design options: UW, UW strong box type, UA strong box type If the NIDA System lining is intended to be fire resistant from both directions, then the installed hatch shall also be fire resistant from both directions.

## Horizontal section of the inspection hatch



## NOTE:

The detail presented is general in nature and focuses on the stiffening of the structure in the hatch installation area. It will be customised according to the model of hatch to be installed in the NIDA system

- 1 3x Siniat plasterboard
- NIDA Metal UW runner profile
- 3 NIDA Metal CW stud
- 4 Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 600
- 🔂 Self-tapping screw 212xL3 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- Self-drilling screw 5.5x25- 2 pcs/fastening

- Orner iron 200x40x40x2 mm
- Mechanical fixing (\*1) 1 pc/fastening
- NIDA Boardfix
- 3 Stiff support (reinforced concrete/brickwork/wood/etc.)

min

Board width

2nd layer of boards

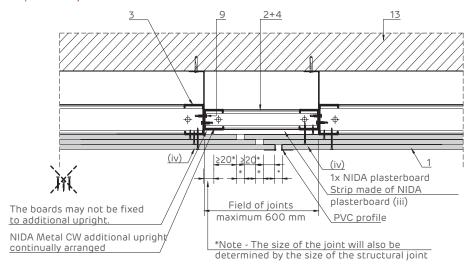
m 400r

Board length

- (4) Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 MOLLY @ 500 mm metal dowel
- 17 NIDA Metal CW end profile
- 18 Self-tapping screw 212xL4 + flat washer @500mm
- 19 NIDA Metal UD30 end profile



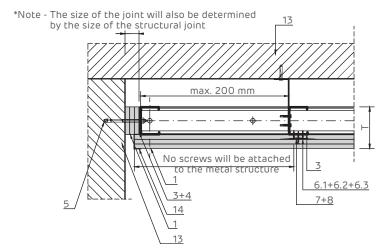
## Expansion joint Horizontal section.



## NOTE:

- (iv) For the last plasterboard layer, it is not acceptable to make a joint in front of the specified upright.
- (v)In the case of lining longer than 15 m, a vertical joint should be made every 10 m of the system; the joint should also be placed in front of structural joints.

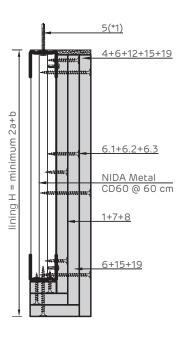
## Sliding joint with sturdy items. Horizontal section.



## Detailed attachment at the top on the roof profiled sheet System parallel to the sheet ribs. Vertical section

## Lining with NIDA board single layer Side lining with NIDA board triple layer Mechanical fixing (\*1) with self-Steel sheet min S235/DX51, 2 mm drilling screw at 50 cm pitch <u> Self-drilling 221, Mechanical fixing (\*1)</u> Building structure as support Roof profiled sheet with Mineral wool min. 40 kg/m<sup>3</sup> thermal insulation system 2 (\*4) Side triple liningNIDA boards, >300mm Jo not fix NIDA boards to the lining metal structur NIDA Metal CD60@60cm/UD30 structure, Sealing tape, Self-tapping 212, Self-drilling 4.2x13 FLAT HEAD NIDA Boardfix, NIDA Profesional Jointing tape (\*2), Mechanical fixing (\*1) Existing support Metal structure ⊕ |⊕ 6.1+6.2+6.3

## Detail of double side lining. Vertical section

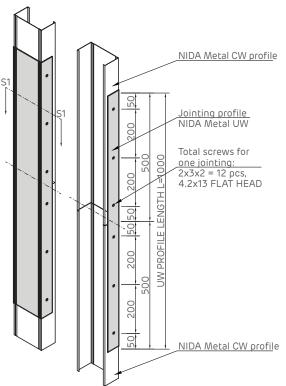




## Sliding attachment detail at top on reinforced concrete members. Vertical section

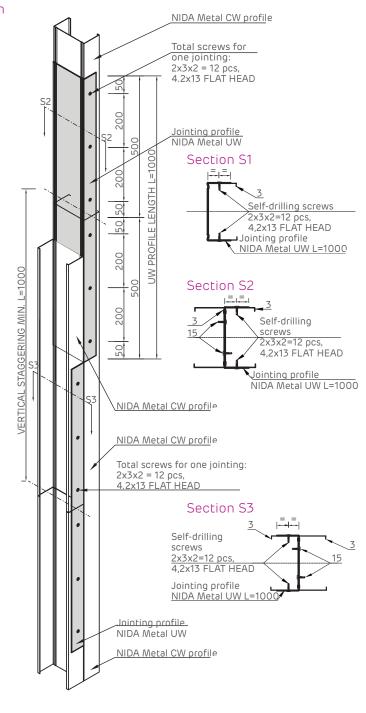
# Overlap min. 5 mm 2x Siniat 12.5/15 mm 5@50cm in zigzag >300mm Do not fix NIDA boards to to the wall metal 2 (\*4) 9 10 11 6.1+6.2+6.3

## Jointing detail of NIDA Metal CW single profiles.



- 3x Siniat plasterboard
- NIDA Metal UW runner profile
- NIDA Metal CW stud
- 4 Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- Self-tapping screw 212xL1 @ 600
- 🔂 Self-tapping screw 212xL2 @ 600
- 🔂 Self-tapping screw 212xL3 @ 300
- Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- Self-drilling screw 5.5x25- 2 pcs/fastening

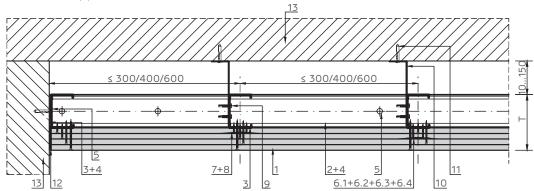
## Jointing detail of NIDA Metal CW double profiles.



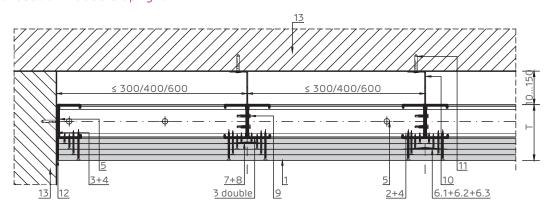
- Orner iron 200x40x40x2 mm
- Mechanical fixing (\*1) 1 pc/fastening
- NIDA Boardfix
- **13** Stiff support (reinforced concrete/brickwork/wood/etc.)
- 14 Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 MOLLY @ 500 mm metal dowel
- 17 NIDA Metal CW end profile
- (8) Self-tapping screw 212xL4 + flat washer @500mm
- 19 NIDA Metal UD30 end profile

NIDA System T.CW.F NIDA System T.CW.F four-layer lining on NIDA Metal CW/UW structure, with intermediate fixing

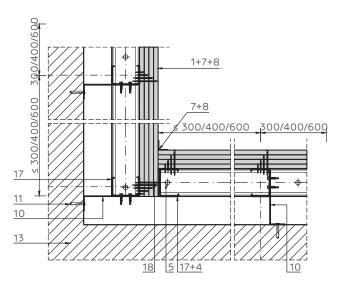
Attachment to stiff support. Horizontal section.



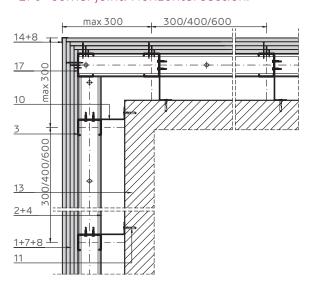
Attachment to stiff support. Horizontal section - double upright



## 90° corner joint. Horizontal section.

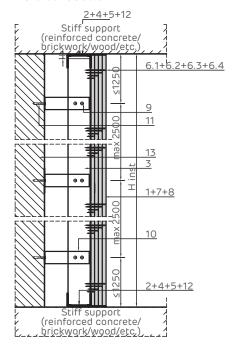


## 270° corner joint. Horizontal section.

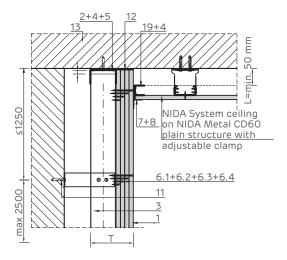




## Attachment to stiff support. Vertical section



Detailed crossing with suspended ceiling on plain structure with adjustable clamp. Vertical section

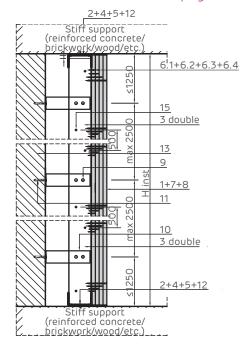


## NOTE:

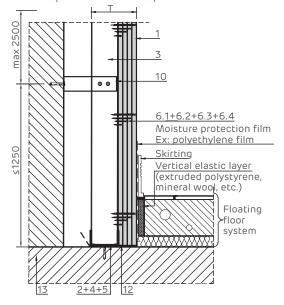
NIDA Metal UD runner profile may not be fixed to the wall structure in the plasterboard sliding area.

- 1 4x Siniat plasterboard
- 2 NIDA Metal UW runner profile
- NIDA Metal CW stud
- 4 Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 600
- Self-tapping screw 212xL3 @ 600
- 6.4 Self-tapping screw 212xL4 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster

## Attachment to stiff support. Vertical section - double upright

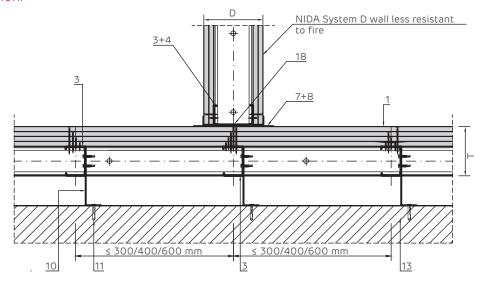


Detailed crossing with floating floor system. Vertical section at the bottom of the lining. For superior acoustic performance.

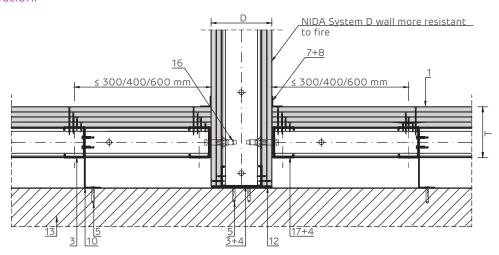


- Self-drilling screw 5.5x25- 2 pcs/fastening
- Corner iron 200x40x40x2 mm
- Mechanical fixing (\*1) 1 pc/fastening
- 12 NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- 14 Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 MOLLY @ 500 mm metal dowel
- 17 NIDA Metal CW end profile
- 8 Self-tapping screw 212xL5 + flat washer @500mm
- 19 NIDA Metal UD30 end profile

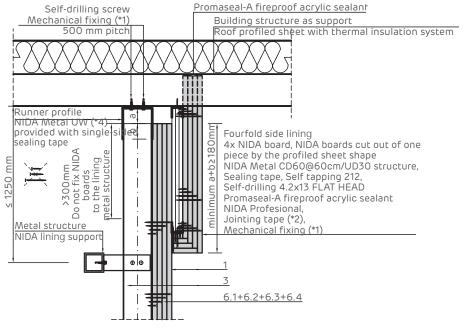
## Crossing with D wall less resistant to fire Horizontal section.



## Crossing with D wall more resistant to fire Horizontal section.



## Detailed attachment at the top on the roof profiled sheet. System perpendicular to the profiles. Vertical section



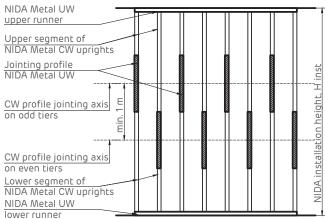
www.sincalculator.com



## Access hatch elevation.

Lining structure M2 NIDA Metal CW upright R2 NIDA Metal UW-UA ruler Pre-frame structure X X X FIRE RESISTANT INSPECTION HATCH Upr Metal CW/UA additional ining structure Hatch fixing to pre-frame structure M1 NĬDA Metal CW upright Self-drilling / self-tapping screw R1 NIDA Metal UW/UA ruler according to hatch specification Pre-frame structure Suggested stiffening of the lining structure in the inspection hatch

NIDA Metal CW profile joint staggering. System elevation.



Board staggering. System elevation. Vertical and horizontal joints should be staggered to avoid overlap.

NIDA Metal CW/UA/CD profile upright interaxis

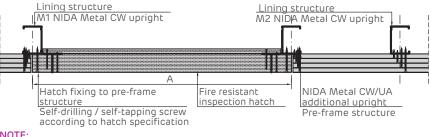
## installation area. Additional fixing - Adjustable clamp NOTE (\*):

The pre-frame structure (Rulers R1, R2 + Uprights M1, M2) used for fixing the hatch will be sized according to the following points:

- Hatch sizes (A, B)
- Hatch weight
- · Lining height and configuration

M1, M2 uprights design options: CW, CW - H, UA, UA - H, UA strong box type R1, R2 rulers design options: UW, UW strong box type, UA strong box type If the NIDA System lining is intended to be fire resistant from both directions, then the installed hatch shall also be fire resistant from both directions.

## Horizontal section of the inspection hatch



installation height, length Ē H. NIDA Board 4th layer of boards Board width 3rd layer of boards 1st layer of boards 2<sup>nd</sup> layer of boards of NIDA Metal structure

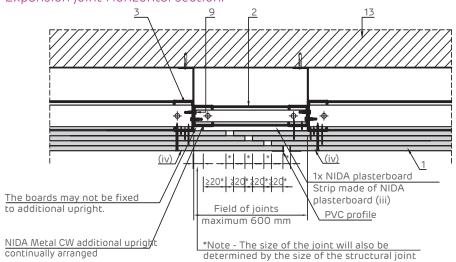
## NOTE:

The detail presented is general in nature and focuses on the stiffening of the structure in the hatch installation area. It will be customised according to the model of hatch to be installed in the NIDA system

- 4x Siniat plasterboard
- NIDA Metal UW runner profile
- NIDA Metal CW stud
- Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 600
- Self-tapping screw 212xL3 @ 600
- 6.4 Self-tapping screw 212xL4 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster

- Self-drilling screw 5.5x25- 2 pcs/fastening
- Corner iron 200x40x40x2 mm
- Mechanical fixing (\*1) 1 pc/fastening
- NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- 14 Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 MOLLY @ 500 mm metal dowel
- 17 NIDA Metal CW end profile
- 8 Self-tapping screw 212xL5 + flat washer @500mm
- 19 NIDA Metal UD30 end profile

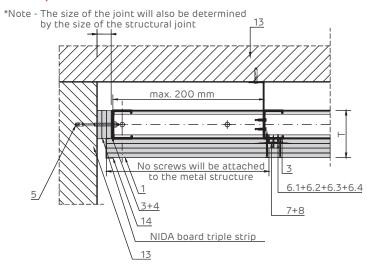
## Expansion joint Horizontal section.



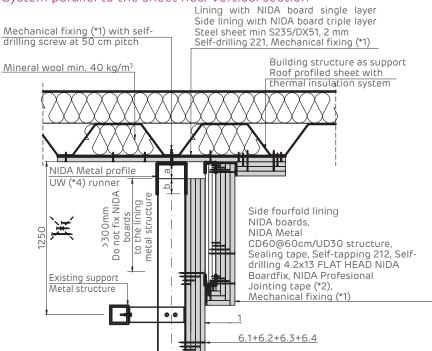
## NOTE:

- (iv) For the last plasterboard layer, it is not acceptable to make a joint in front of the specified upright.
- (v) In the case of lining longer than 15 m, a vertical joint should be made every 10 m of the system; the joint should also be placed in front of structural joints.

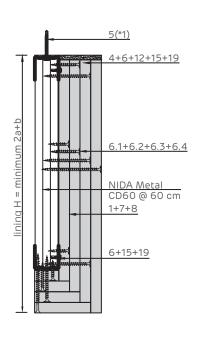
## Sliding joint with sturdy items. Horizontal section.



## Detailed attachment at the top on the roof profiled sheet. System parallel to the sheet ribs. Vertical section



## Detail of double side lining. Vertical section

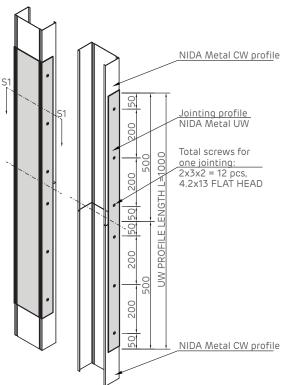




## Sliding attachment detail at top on reinforced concrete members. Vertical section

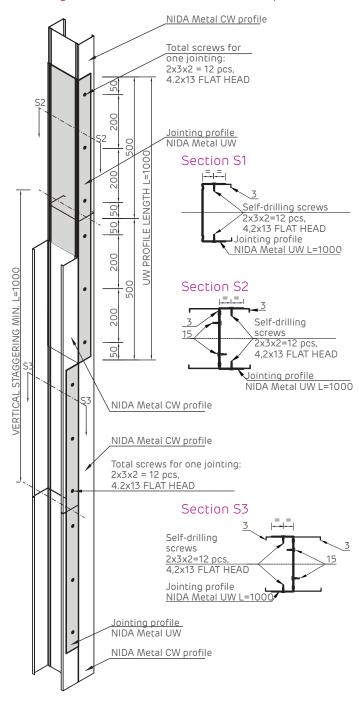
# Board strip 2x Siniat 12.5/15 mm Overlap min. 5 mm 5@50cm in zigzag 13 Do not fix NIDA boards to the wall metal 2 (\*4) 10 11 6.1+6.2+6.3+6.4

## Jointing detail of NIDA Metal CW single profiles.



- 4x Siniat plasterboard
- NIDA Metal UW runner profile
- NIDA Metal CW stud
- Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 600
- Self-tapping screw 212xL3 @ 600
- Self-tapping screw 212xL4 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster

## Jointing detail of NIDA Metal CW double profiles.

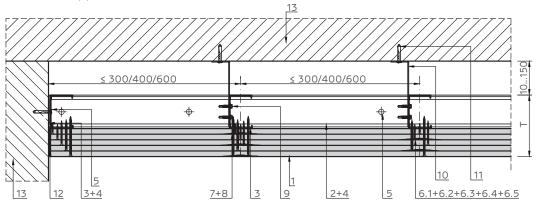


- Self-drilling screw 5.5x25- 2 pcs/fastening
- Corner iron 200x40x40x2 mm
- Mechanical fixing (\*1) 1 pc/fastening
- NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- 14 Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- MOLLY @ 500 mm metal dowel
- 17 NIDA Metal CW end profile
- 8 Self-tapping screw 212xL5 + flat washer @500mm
- 19 NIDA Metal UD30 end profile

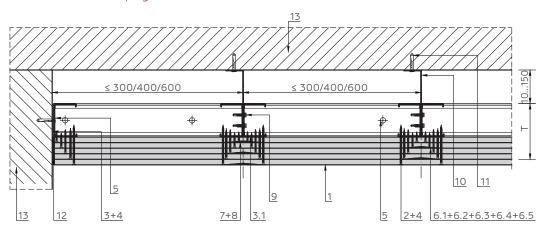
# NIDA System T.CW.F NIDA System T.CW.F five-layer lining

on NIDA Metal CW/UW structure, with intermediate fixing

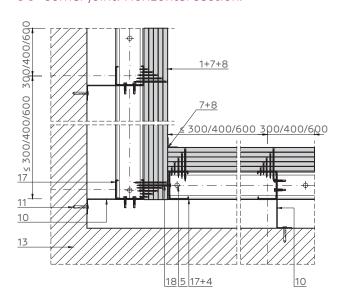
Attachment to stiff support. Horizontal section.



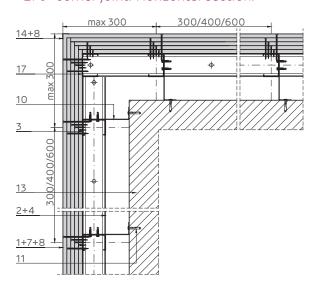
Attachment to stiff support. Horizontal section - double upright



## 90° corner joint. Horizontal section.

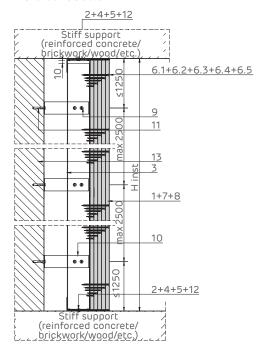


## 270° corner joint. Horizontal section.

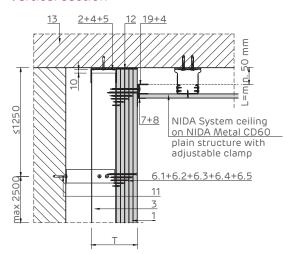




## Attachment to stiff support. Vertical section



Detailed crossing with suspended ceiling on plain structure with adjustable clamp. Vertical section

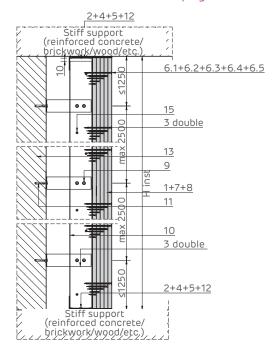


## NOTE:

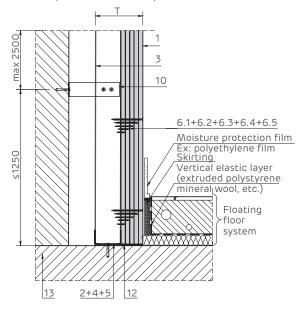
NIDA Metal UD runner profile may not be fixed to the wall structure in the plasterboard sliding area.

- 1 4x Siniat plasterboard
- 2 NIDA Metal UW runner profile
- NIDA Metal CW stud
- 4 Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 600
- Self-tapping screw 212xL3 @ 600
- 6.4 Self-tapping screw 212xL4 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster

## Attachment to stiff support. Vertical section - double upright

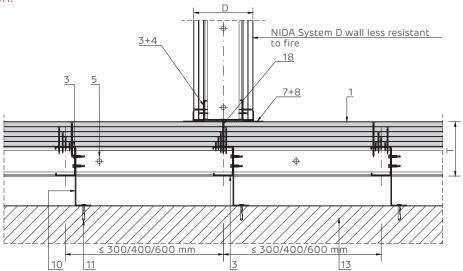


Detailed crossing with floating floor system. Vertical section at the bottom of the lining. For superior acoustic performance.

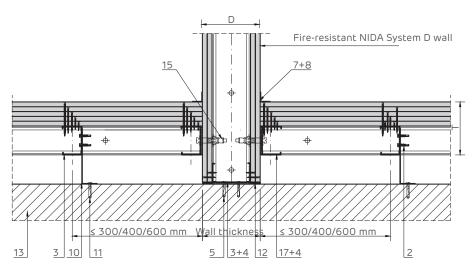


- Self-drilling screw 5.5x25- 2 pcs/fastening
- Corner iron 200x40x40x2 mm
- Mechanical fixing (\*1) 1 pc/fastening
- 12 NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- 14 Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 MOLLY @ 500 mm metal dowel
- 17 NIDA Metal CW end profile
- 8 Self-tapping screw 212xL5 + flat washer @500mm
- 19 NIDA Metal UD30 end profile

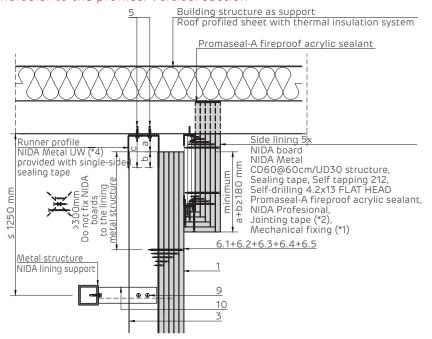
Crossing with D wall less resistant to fire Horizontal section.



Crossing with D wall more resistant to fire. Horizontal section.



Detailed attachment at the top on the roof profiled sheet. System perpendicular to the profiles. Vertical section

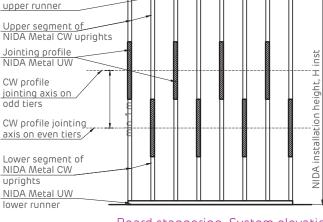




## Access hatch elevation.

R2 NIDA Metal UW-UA ruler Lining structure M2 NIDA Metal CW upright Pre-frame structure NIDA Metal UW **INSPECTION HATCH** FIRE RESISTANT OR NOT additional CW/UA Metal ( Lining structure M1 NĬDA Metal CW upright Hatch fixing to pre-frame structure Self-drilling / self-tapping screw according to hatch specification R1 NIDA Metal UW/UA ruler Pre-frame structure

NIDA Metal CW profile joint staggering. System elevation.



Board staggering. System elevation. Vertical and horizontal joints should be staggered to avoid overlap.

4

5th layer of boards 4<sup>th</sup> layer of boards

3<sup>rd</sup> layer of boards

2<sup>nd</sup> layer of boards

of NIDA Metal structure

1st layer of boards

installation height, H

NIDA Metal CW/UA/CD profile upright interaxis

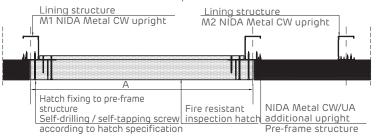
# Suggested stiffening of the lining structure in the inspection hatch installation area. Additional fixing - Adjustable clamp

The pre-frame structure (Rulers R1, R2 + Uprights M1, M2) used for fixing the hatch will be sized according to the following points:

- Hatch sizes (A, B)
- Hatch weight
- Lining height and configuration

M1, M2 uprights design options: CW, CW - H, UA, UA - H, UA strong box type R1, R2 rulers design options: UW, UW strong box type, UA strong box type If the NIDA System lining is intended to be fire resistant from both directions, then the installed hatch shall also be fire resistant from both directions.

## Horizontal section of the inspection hatch.



## NOTE

The detail presented is general in nature and focuses on the stiffening of the structure in the hatch installation area.It will be customised according to the model of hatch to be installed in the NIDA system

- 5x Siniat plasterboard
- 2 NIDA Metal UW runner profile
- NIDA Metal CW stud
- Double NIDA Metal CW-H upright profiles
- 4 Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- 6) Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 600
- Self-tapping screw 212xL3 @ 600
- 6.4 Self-tapping screw 212xL4 @ 600
- 6.5 Self-tapping screw 212xL5 @ 300
- 7 Jointing tape (\*2)

NIDA Profesional jointing plaster

Board length

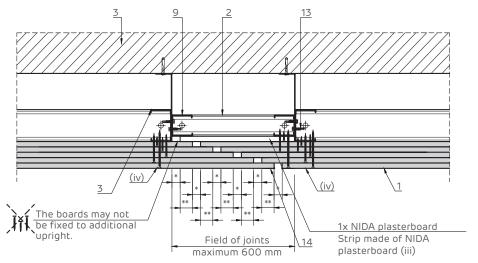
Self-drilling screw 5.5x25- 2 pcs/fastening

Board width

- Corner iron 200x40x40x2 mm
- Mechanical fixing (\*1) 1 pc/fastening
- 12 NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- 14 Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 MOLLY @ 500 mm metal dowel
- 17 NIDA Metal CW end profile
- 8 Self-tapping screw 212xL5 + flat washer @500mm
- 19 NIDA Metal UD30 end profile

**WORK DETAILS** 52

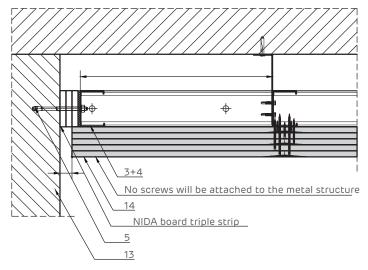
## Expansion joint Horizontal section.



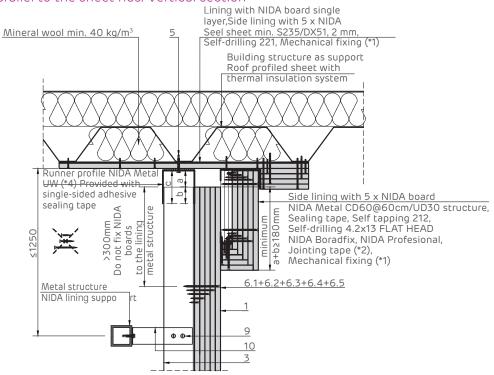
## NOTE:

- (iv) For the last plasterboard layer, it is not acceptable to make a joint in front of the specified upright.
- (v) In the case of lining longer than 15 m, a vertical joint should be made every 10 m of the system; The joint should also be placed in front of structural ioints.
- The size of the joint will also be determined by the size of the structural joint, but not less than 20 mm
- The overlap of boards should have a minimum size of (\* + 10 mm)

## Sliding joint with sturdy items. Horizontal section.



## Detailed attachment at the top on the roof profiled sheet. System parallel to the sheet ribs. Vertical section

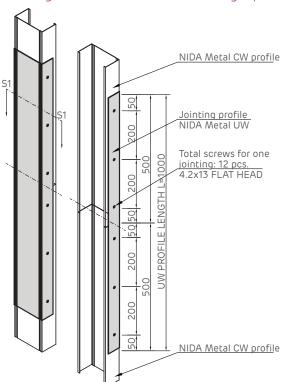




## Sliding attachment detail at top on reinforced concrete members. Vertical section

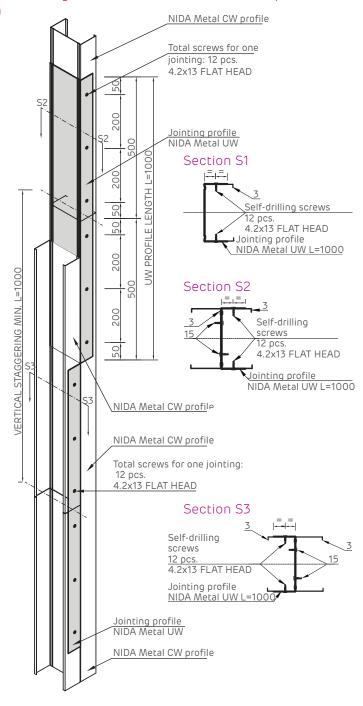
# Board strip 2x Siniat 12.5/15 mm Overlap min. 5 mm NIDA boards to the wall metal structure 2 (\*4) 9 ⊕ ⊕ 10 max 2500 6.1+6.2+6.3+6.4+6.5

Jointing detail of NIDA Metal CW single profiles.



- 5 x Siniat plasterboard
- 2 NIDA Metal UW runner profile
- NIDA Metal CW stud
- Double NIDA Metal CW-H upright profiles
- Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- 6 Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 600
- Self-tapping screw 212xL3 @ 600
- Self-tapping screw 212xL4 @ 600
- 6.5 Self-tapping screw 212xL5 @ 300
- 7 Jointing tape (\*2)

## Jointing detail of NIDA Metal CW double profiles.

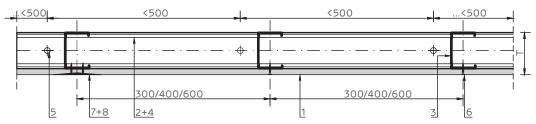


- 8 NIDA Profesional jointing plaster
- Self-drilling screw 5.5x25- 2 pcs/fastening
- Corner iron 200x40x40x2 mm
- Mechanical fixing (\*1) 1 pc/fastening
- NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- (4) Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 MOLLY @ 500 mm metal dowel
- 17 NIDA Metal CW end profile
- 8 Self-tapping screw 212xL5 + flat washer @500mm
- 19 NIDA Metal UD30 end profile

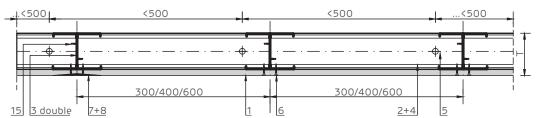
# NIDA System SH.CW.I

Shaft-walls with NIDA System SH.CW.I single-layer lining on NIDA Metal CW/UW independent support structure

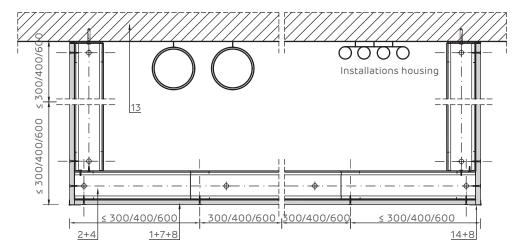
Single NIDA Metal CW upright Horizontal section.



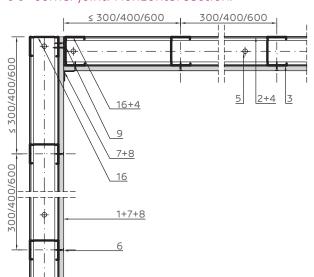
Double NIDA Metal CW upright Horizontal section.



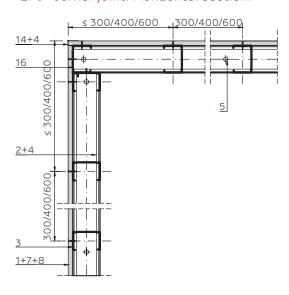
Three-sided enclosing of installations housing Horizontal section.



90° corner joint. Horizontal section.

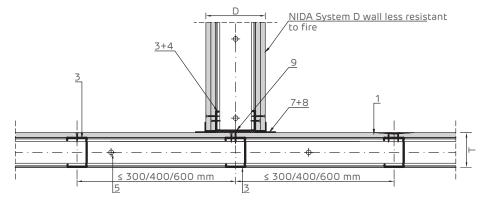


270° corner joint. Horizontal section.

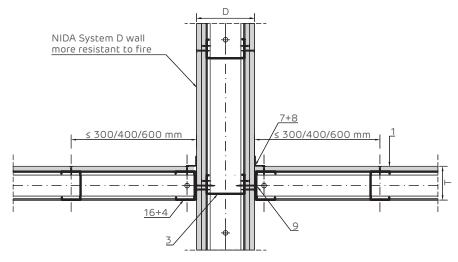




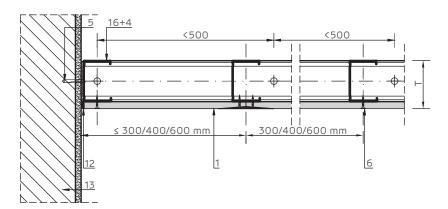
## Crossing with D wall less resistant to fire Horizontal section.



## Crossing with D wall more resistant to fire. Horizontal section.



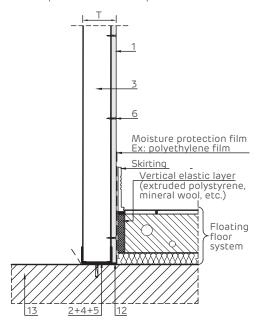
## Rigid jointing with sturdy item Horizontal section.



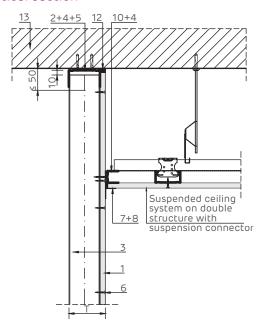
- 1 1x Siniat plasterboard
- 2 NIDA Metal UW runner profile
- 3 NIDA Metal CW stud
- 4 Single-sided sealing tape
- 5 Mechanical fixing Max. pitch 500 mm (\*1)
- 6 Self-tapping screw 212xL1 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- 9 Self-tapping screw 212xL2 + flat washer @500mm
- 10 NIDA Metal UD30 end profile

- 11 Wooden item
- 12 NIDA Boardfix
- 3 Stiff support (reinforced concrete/brickwork/wood/etc.)
- 14 Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 NIDA Metal CW end profile
- 17 NIDA Metal CW additional upright
- 18 Strip made of Siniat plasterboards
- 19 Special NIDA Metal UW runner profile (\*4)
- 20 NIDA Metal Cd@60cm profile

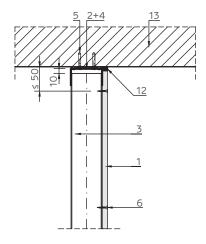
Detailed crossing with floating floor system. Vertical section at the bottom of the lining. For superior acoustic performance.



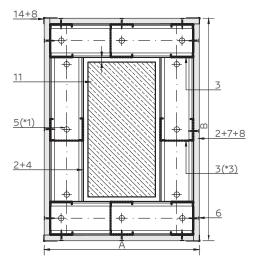
Detailed crossing with suspended ceiling on double structure with adjustable clamp. Vertical section



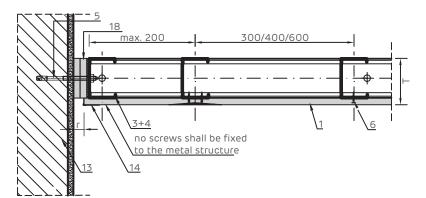
Detailed attachment at the top on reinforced concrete members. Installation height:  $H \le 5$  m. Vertical section.



Lining of a wooden item Horizontal section.



- (\*1) A minimum of 3 fasteners should be fitted along NIDA Metal UD. (\*3) If the lining size (A/B) exceeds the maximum value of 600 mm, an additional upright (marked with a dotted line in the plan) should be placed.
- Sliding joint with sturdy items. Horizontal section.



## Joint (r) size:

20 mm for 2xSiniat 12.5 mm; 25 mm for 2x Siniat 15; 30 mm for 3x Siniat 12.5; 35 mm for 3x Siniat 12.5; 40 mm for 4x Siniat 12.5; 3+4 50 mm for 4x Siniat 15;

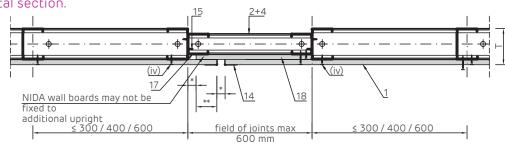


## Expansion joint Horizontal section.

### NOTE:

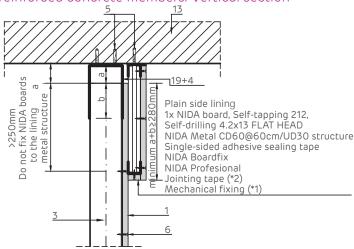
- (iv) For the last plasterboard layer, it is not acceptable to make a ioint in front of the specified upright.
- (v) In the case of lining longer than 15 m, a vertical joint should be made every 10 m of the system;

The joint should also be placed in front of structural joints.

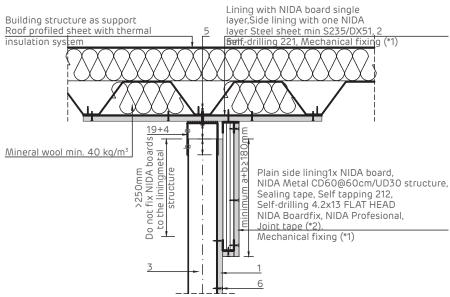


- \*) The size of the joint will also be determined by the size of the structural joint, but not less than 20 mm
- (\*\*) The overlap of boards should have a minimum size of (\* + 10 mm)

## Detailed attachment at the top on reinforced concrete members. Vertical section

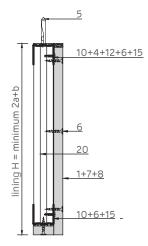


## Detailed attachment at the top to the roof profiled sheet. Direct fixing. System parallel to the sheet ribs. Vertical section

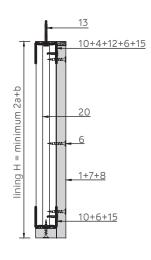


- 1 1x Siniat plasterboard
- 2 NIDA Metal UW runner profile
- 3 NIDA Metal CW stud
- 4 Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- 6 Self-tapping screw 212xL1 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- 9 Self-tapping screw 212xL2 + flat washer @500mm
- 10 NIDA Metal UD30 end profile

## Detail of plain side lining. Vertical section



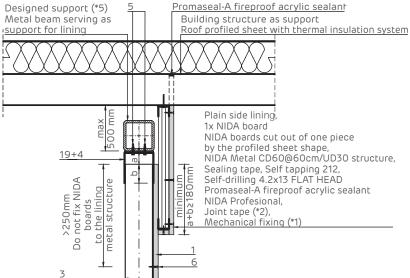
Detail of single side lining. Vertical section

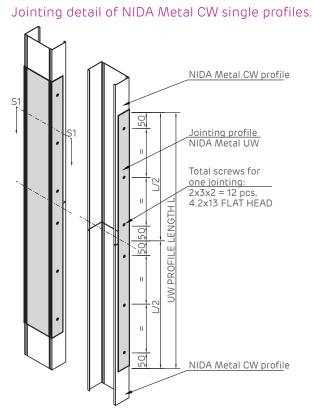


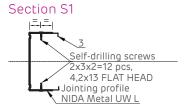
- 11 Wooden item
- 12 NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- 14 Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 NIDA Metal CW end profile
- 17 NIDA Metal CW additional upright
- 18 Strip made of Siniat plasterboards
- 19 Special NIDA Metal UW runner profile (\*4)
- 20 NIDA Metal Cd@60cm profile

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## Detailed attachment at the top on the roof profiled sheet. Fixing on designed support (\*5). System perpendicular to the profiles. Vertical section

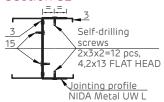






N°	NIDA Metal jointing profile	UW jointing profile length (mm)
1	UW 50	L=1000
2	UW 75	L=1500
3	UW 100	L=2000

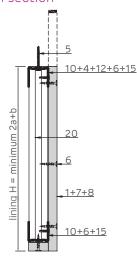
## Section S2



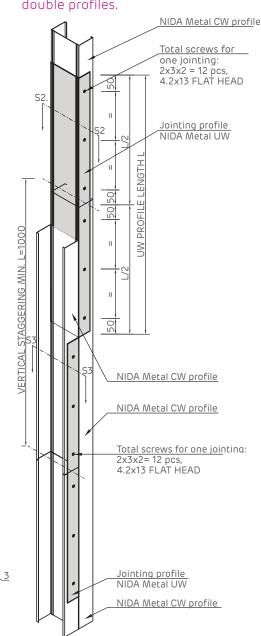
# Section S3

Self-drilling screws 2x3x2=12 pcs., 4,2x13 FLAT HEAD Jointing profile NIDA Metal UW

## Detail of single side lining. Vertical section



Jointing detail of NIDA Metal CW double profiles.

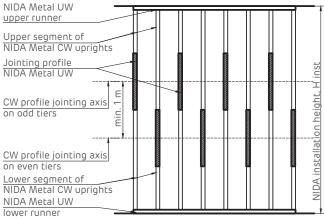




## Access hatch elevation.

Lining structure M2 NIDA Metal CW upright R2 NIDA Metal UW-UA ruler Pre-frame structure X X FIRE RESISTANT INSPECTION HATCH idn Metal CW/UA additional Lining structure latch fixing to pre-frame structure M1 NĬDA Metal CW upright Self-drilling / self-tapping screw R1 NIDA Metal UW/UA ruler according to hatch specification Pre-frame structure Suggested stiffening of the lining structure in the inspection hatch

NIDA Metal CW profile joint staggering. System elevation.



Board staggering. System elevation. Vertical and horizontal joints should be staggered to avoid overlap.

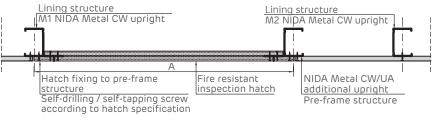
## installation area. Additional fixing - Adjustable clamp NOTE (\*):

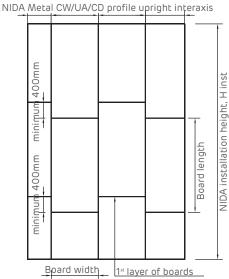
The pre-frame structure (Rulers R1, R2 + Uprights M1, M2) used for fixing the hatch will be sized according to the following points:

- · Hatch sizes (A, B)
- Hatch weight
- · Lining height and configuration

M1, M2 uprights design options: CW, CW - H, UA, UA - H, UA strong box type R1, R2 rulers design options: UW, UW strong box type, UA strong box type If the NIDA System lining is intended to be fire resistant from both directions, then the installed hatch shall also be fire resistant from both directions.

## Horizontal section of the inspection hatch.





## NOTE:

The detail presented is general in nature and focuses on the stiffening of the structure in the hatch installation area.lt will be customised according to the model of hatch to be installed in the NIDA system

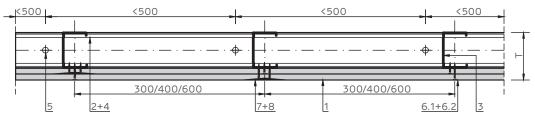
- 1 1x Siniat plasterboard
- 2 NIDA Metal UW runner profile
- NIDA Metal CW stud
- 4 Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- 6 Self-tapping screw 212xL1 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- Self-tapping screw 212xL2 + flat washer @500mm
- 10 NIDA Metal UD30 end profile

- 11 Wooden item
- 12 NIDA Boardfix
- B Stiff support (reinforced concrete/brickwork/wood/etc.)
- 14 Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 NIDA Metal CW end profile
- 17 NIDA Metal CW additional upright
- 18 Strip made of Siniat plasterboards
- 19 Special NIDA Metal UW runner profile (\*4)
- 20 NIDA Metal Cd@60cm profile

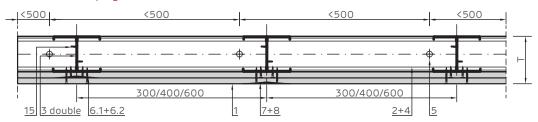
# NIDA System SH.CW.I

Shaft-walls with NIDA System SH.CW.I double-layer lining on NIDA Metal CW/UW independent support structure

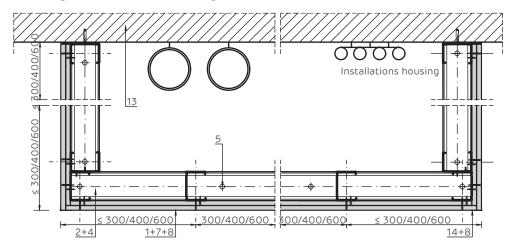
Single NIDA Metal CW upright Horizontal section.



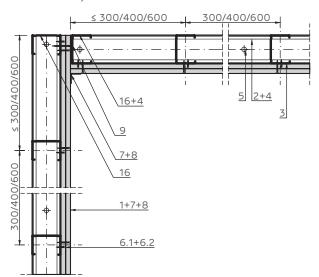
Double NIDA Metal CW upright Horizontal section.



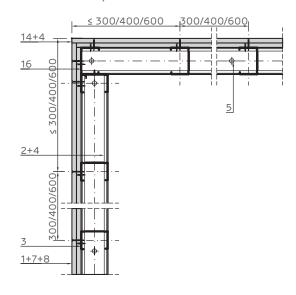
Three-sided enclosing of installations housing Horizontal section.



90° corner joint. Horizontal section.

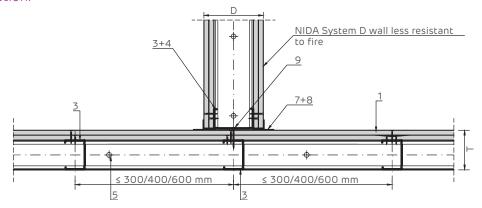


270° corner joint. Horizontal section.

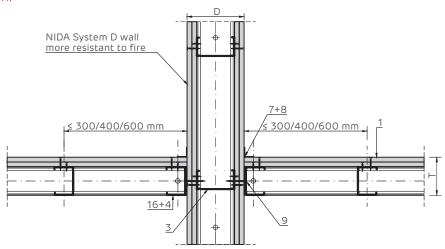




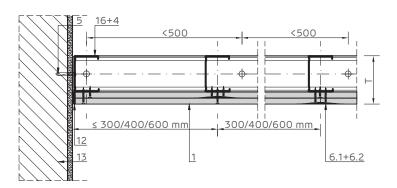
## Crossing with D wall less resistant to fire Horizontal section.



Crossing with D wall more resistant to fire Horizontal section.



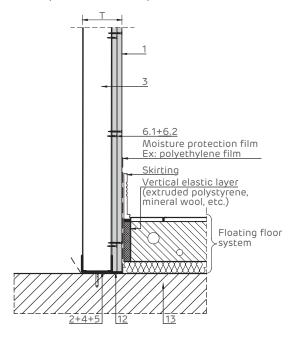
## Rigid jointing with sturdy item Horizontal section.



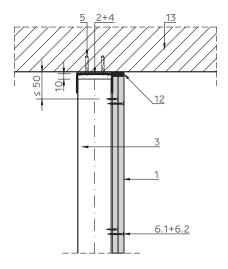
- 1 2x Siniat plasterboard
- 2 NIDA Metal UW runner profile
- 3 NIDA Metal CW stud
- 4 Single-sided sealing tape
- 5 Mechanical fixing Max. pitch 500 mm (\*1)
- 6 Self-tapping screw 212xL1 @ 600
- 62 Self-tapping screw 212xL2 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- 9 Self-tapping screw 212xL3 + flat washer @500mm
- 10 NIDA Metal UD30 end profile

- 11 Wooden item
- 12 NIDA Boardfix
- 3 Stiff support (reinforced concrete/brickwork/wood/etc.)
- 14 Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 NIDA Metal CW end profile
- 17 NIDA Metal CW additional upright
- 18 Strip made of Siniat plasterboards
- 19 Special NIDA Metal UW runner profile (\*4)
- 20 NIDA Metal Cd@60cm profile

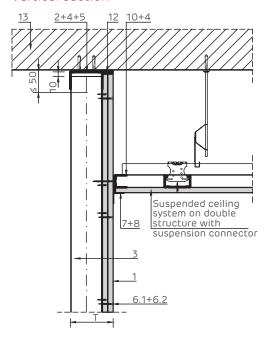
Detailed crossing with floating floor system. Vertical section at the bottom of the lining. For superior acoustic performance.



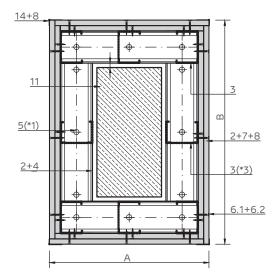
Detailed attachment at the top on reinforced concrete members. Installation height:  $H \le 5$  m. Vertical section.



Detailed crossing with suspended ceiling on double structure with suspension connector. Vertical section

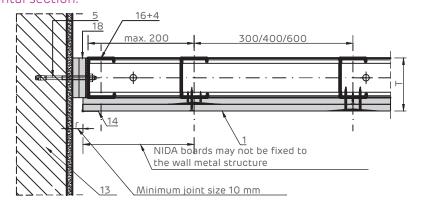


Lining of a wooden item Horizontal section.



(\*1) A minimum of 3 fasteners should be fitted along NIDA Metal UD. (\*3) If the lining size (A/B) exceeds the maximum value of 600 mm, an additional upright (marked with a dotted line in the plan) should be placed.

Sliding joint with sturdy items. Horizontal section.

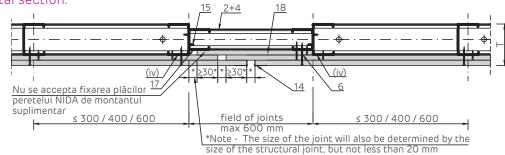




## Expansion joint Horizontal section.

- (iv) For the last plasterboard layer, it is not acceptable to make a joint in front of the specified upriaht.
- (v) In the case of lining longer than 15 m, a vertical joint should be made every 10 m of

The joint should also be placed in front of structural joints.

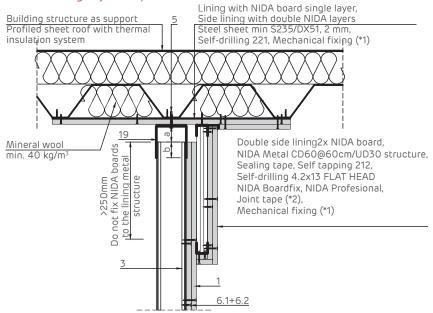


- (\*) The size of the joint will also be determined by the size of the structural joint, but not less than 20 mm
- (\*\*) The overlap of boards should have a minimum size of (\* + 10 mm)

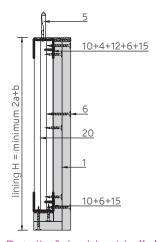
## Detailed attachment at the top on reinforced concrete members. Vertical section

## NIDA Metal profile Do not fix NIDA boards UW (\*4) runner to the lining metal Double side lining NIDA boards cut out of one piece by the profiled sheet shape, Structura NIDA Metal CD60@60cm/UD30 structure, Sealing tape, Self tapping 212, Self-drilling 4.2x13 FLAT HEAD NIDA Boardfix, NIDA Profesional, Joint tape (\*2), Mechanical fixing (\*1) 6.1+6.2

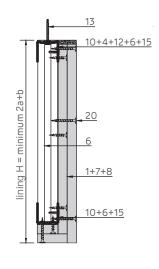
## Detailed attachment at the top to the roof profiled sheet. Direct fixing. System parallel to the sheet ribs. Vertical section



## Detail of double side lining. Vertical section



Detail of double side lining. Vertical section

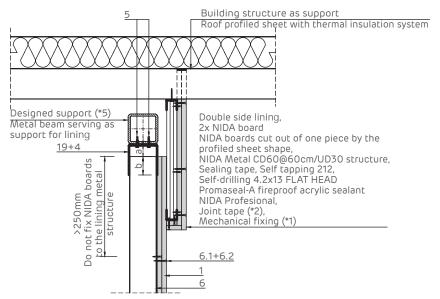


- 1 2x Siniat plasterboard
- NIDA Metal UW runner profile
- 3 NIDA Metal CW stud
- 4 Single-sided sealing tape
- 5 Mechanical fixing Max. pitch 500 mm (\*1)
- 6) Self-tapping screw 212xL1 @ 600
- 62 Self-tapping screw 212xL2 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- 9 Self-tapping screw 212xL3 + flat washer @500mm
- NIDA Metal UD30 end profile

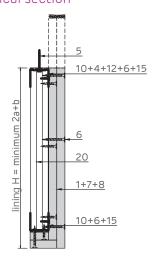
- 11 Wooden item
- 12 NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- 14 Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 NIDA Metal CW end profile
- 17 NIDA Metal CW additional upright
- 18 Strip made of Siniat plasterboards
- 19 Special NIDA Metal UW runner profile (\*4)
- 20 NIDA Metal Cd@60cm profile

WORK DETAILS

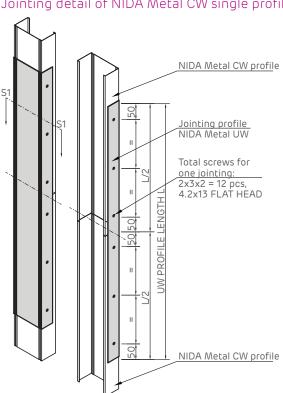
Detailed attachment at the top on the roof profiled sheet. Fixing on designed support (\*5). System perpendicular to the profiles. Vertical section



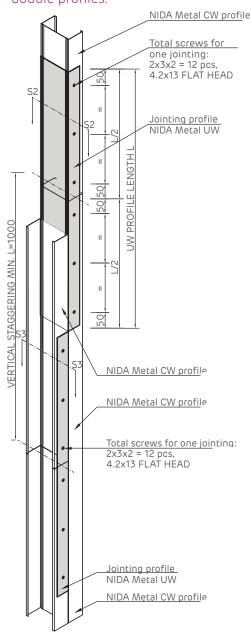
## Detail of double side lining. Vertical section



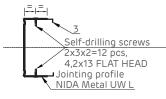
Jointing detail of NIDA Metal CW single profiles.

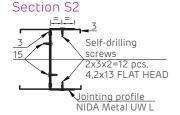


Jointing detail of NIDA Metal CW double profiles.



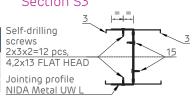






## Section S3

	NIDA Metal jointing profile	UW jointing profile length (mm)
1	UW 50	L=1000
2	UW 75	L=1500
3	UW 100	L=2000

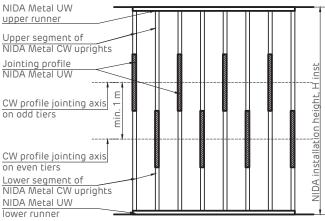




## Access hatch elevation.

Lining structure M2 NIDA Metal CW upright R2 NIDA Metal UW-UA ruler Pre-frame structure X X X FIRE RESISTANT INSPECTION HATCH upright Metal CW/UA additional ining structure Hatch fixing to pre-frame structure M1 NĬDA Metal CW upright Self-drilling / self-tapping screw R1 NIDA Metal UW/UA ruler according to hatch specification Pre-frame structure Suggested stiffening of the lining structure in the inspection hatch

NIDA Metal CW profile joint staggering. System elevation.



Board staggering. System elevation. Vertical and horizontal joints should be staggered to avoid overlap.

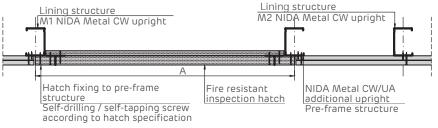
## installation area. Additional fixing - Adjustable clamp NOTE (\*):

The pre-frame structure (Rulers R1, R2 + Uprights M1, M2) used for fixing the hatch will be sized according to the following points:

- · Hatch sizes (A, B)
- Hatch weight
- Lining height and configuration

M1, M2 uprights design options: CW, CW - H, UA, UA - H, UA strong box type R1, R2 rulers design options: UW, UW strong box type, UA strong box type If the NIDA System lining is intended to be fire resistant from both directions, then the installed hatch shall also be fire resistant from both directions.

## Horizontal section of the inspection hatch.



## NIDA Metal CW/UA/CD profile upright interaxis 40 H inst min 400mm Ë installation height, Board length NIDA i Board width 2<sup>nd</sup> layer of boards 1st layer of boards of NIDA Metal structure

## NOTE:

The detail presented is general in nature and focuses on the stiffening of the structure in the hatch installation area. It will be customised according to the model of hatch to be installed in the NIDA system

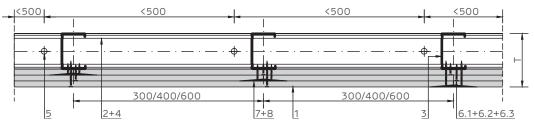
- 1 2x Siniat plasterboard
- NIDA Metal UW runner profile
- 3 NIDA Metal CW stud
- 4 Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- 6) Self-tapping screw 212xL1 @ 600
- 6.2 Self-tapping screw 212xL2 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- 9 Self-tapping screw 212xL3 + flat washer @500mm
- NIDA Metal UD30 end profile

- 11 Wooden item
- 12 NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- 14 Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 NIDA Metal CW end profile
- 17 NIDA Metal CW additional upright
- 18 Strip made of Siniat plasterboards
- 19 Special NIDA Metal UW runner profile (\*4)
- 20 NIDA Metal Cd@60cm profile

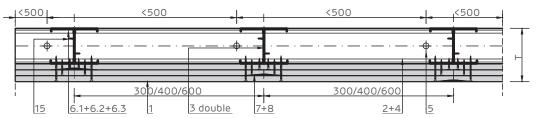
# NIDA System SH.CW.I

Shaft-walls with NIDA System SH.CW.I triple-layer lining on NIDA Metal CW/UW independent support structure

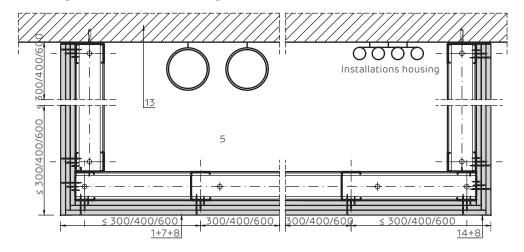
Single NIDA Metal CW upright Horizontal section.



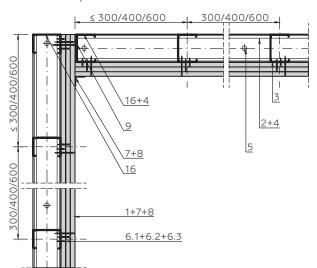
Double NIDA Metal CW upright Horizontal section.



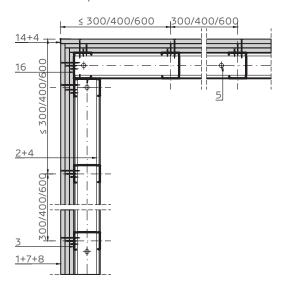
Three-sided enclosing of installations housing Horizontal section.



## 90° corner joint. Horizontal section.

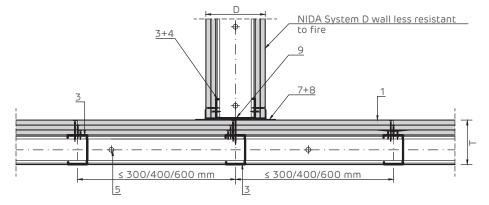


## 270° corner joint. Horizontal section.

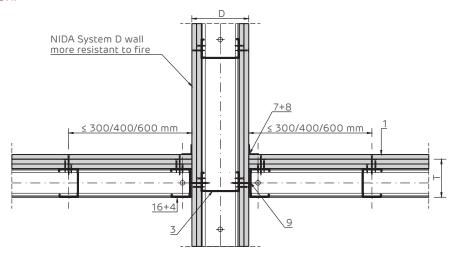




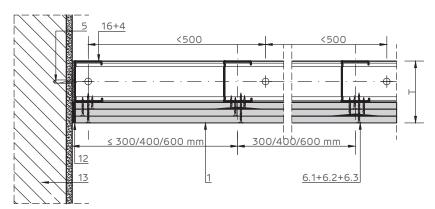
## Crossing with D wall less resistant to fire Horizontal section.



## Crossing with D wall more resistant to fire Horizontal section.



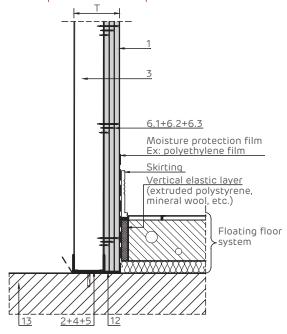
## Rigid jointing with sturdy item Horizontal section.



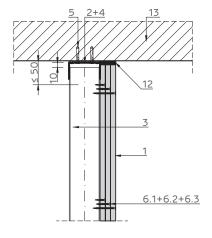
- 1 3x Siniat plasterboard
- 2 NIDA Metal UW runner profile
- 3 NIDA Metal CW stud
- 4 Single-sided sealing tape
- 5 Mechanical fixing Max. pitch 500 mm (\*1)
- 6 Self-tapping screw 212xL1 @ 600
- 62 Self-tapping screw 212xL2 @ 600
- 63 Self-tapping screw 212xL3 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- 9 Self-tapping screw 212xL4 + flat washer @500mm

- NIDA Metal UD30 end profile
- 11 Wooden item
- 12 NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- 14 Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 NIDA Metal CW end profile
- 17 NIDA Metal CW additional upright
- 18 Strip made of Siniat plasterboards
- Special NIDA Metal UW runner profile (\*4)
- 20 NIDA Metal Cd@60cm profile

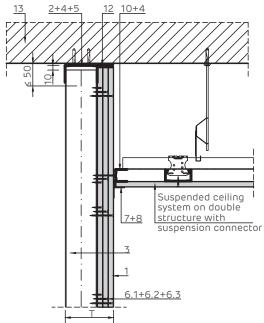
Detailed crossing with floating floor system. Vertical section at the bottom of the lining. For superior acoustic performance.



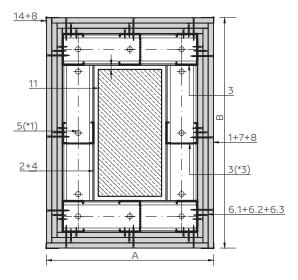
Detailed attachment at the top on reinforced concrete members. Installation height:  $H \le 5$  m. Vertical section.



Detailed crossing with suspended ceiling on double structure with adjustable clamp. Vertical section

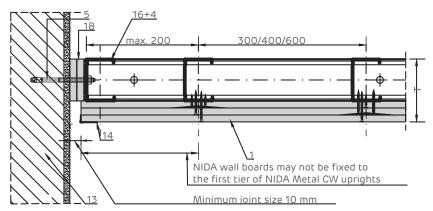


Lining of a wooden item Horizontal section.



(\*1) A minimum of 3 fasteners should be fitted along NIDA Metal UD. (\*3) If the lining size (A/B) exceeds the maximum value of 600 mm, an additional upright (marked with a dotted line in the plan) should be placed.

Sliding joint with sturdy items. Horizontal section.



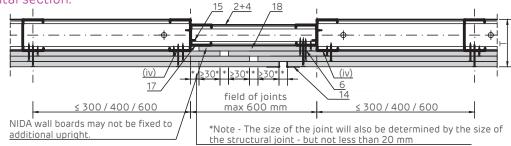


## Expansion joint Horizontal section.

## NOTE:

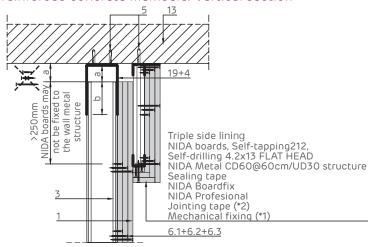
- (iv) For the last plasterboard layer, it is not acceptable to make a joint in front of the specified upright.
- (v) In the case of lining longer than 15 m, a vertical joint should be made every 10 m of the system;

The joint should also be placed in front of structural joints.

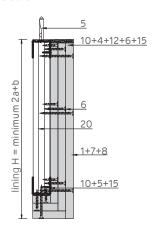


- (\*) The size of the joint will also be determined by the size of the structural joint, but not less than 20 mm
- (\*\*) The overlap of boards should have a minimum size of (\* + 10 mm)

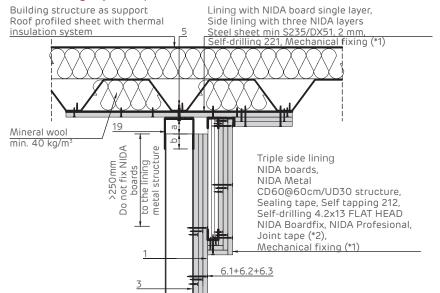
## Detailed attachment at the top on reinforced concrete members. Vertical section



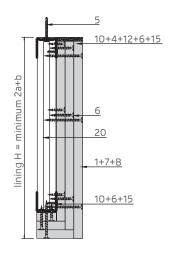
## Detail of triple side lining. Vertical section



## Detailed attachment at the top to the roof profiled sheet. Direct fixing. System parallel to the sheet ribs. Vertical section



## Detail of triple side lining. Vertical section

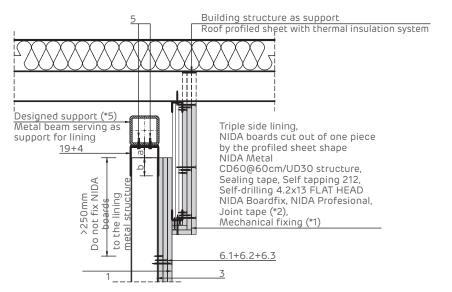


- 3x Siniat plasterboard
- 2 NIDA Metal UW runner profile
- 3 NIDA Metal CW stud
- 4 Single-sided sealing tape
- 5 Mechanical fixing Max. pitch 500 mm (\*1)
- 6 Self-tapping screw 212xL1 @ 600
- 🔂 Self-tapping screw 212xL2 @ 600
- ß Self-tapping screw 212xL3 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- 9 Self-tapping screw 212xL4 + flat washer @500mm

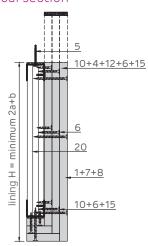
- NIDA Metal UD30 end profile
- 11 Wooden item
- 12 NIDA Boardfix
- **13** Stiff support (reinforced concrete/brickwork/wood/etc.)
- 14 Corner protection profile
- 5 Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 NIDA Metal CW end profile
- 17 NIDA Metal CW additional upright
- 18 Strip made of Siniat plasterboards
- Special NIDA Metal UW runner profile (\*4)
- 20 NIDA Metal Cd@60cm profile

WORK DETAILS 70

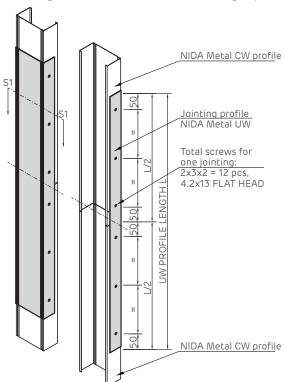
> Detailed attachment at the top on the roof profiled sheet. Fixing on designed support (\*5). System perpendicular to the profiles. Vertical section



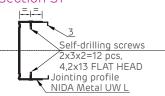
## Detail of triple side lining. Vertical section



## Jointing detail of NIDA Metal CW single profiles.





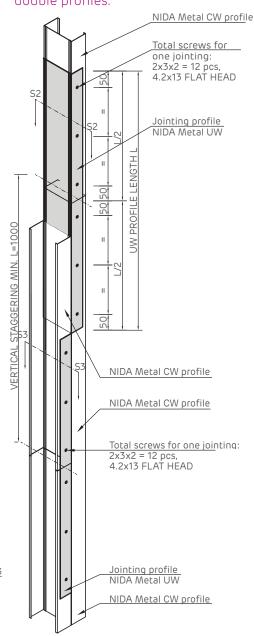


N°	NIDA Metal jointing profile	UW jointing profile length (mm)
1	UW 50	L=1000
2	UW 75	L=1500
3	UW 100	L=2000



## Section S3 Self-drilling screws 2x3x2=12 pcs, 4,2x13 FLAT HEAD Jointing profile NIDA Metal UW

## Jointing detail of NIDA Metal CW double profiles.

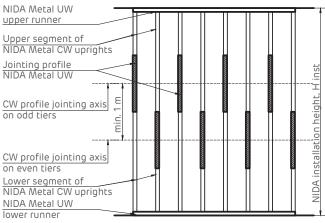




## Access hatch elevation.

Lining structure M2 NIDA Metal CW upright R2 NIDA Metal UW-UA ruler Pre-frame structure X FIRE RESISTANT INSPECTION HATCH <u>lid</u> CW/UA additional VIDA MetaT Lining structure Hatch fixing to pre-frame structure M1 NĬDA Metal CW upright Self-drilling / self-tapping screw R1 NIDA Metal UW/UA ruler according to hatch specification Pre-frame structure

NIDA Metal CW profile joint staggering. System elevation.



Board staggering. System elevation. Vertical and horizontal joints should be staggered to avoid overlap.

NIDA Metal CW/UA/CD profile upright interaxis

40

3<sup>rd</sup> layer of boards

2<sup>nd</sup> layer of boards

of NIDA Metal structure

1st layer of boards

I

nstallation height.

NIDA

## installation area. Additional fixing - Adjustable clamp NOTE (\*):

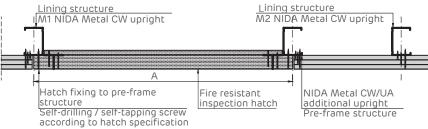
The pre-frame structure (Rulers R1, R2 + Uprights M1, M2) used for fixing the hatch will be sized according to the following points:

Suggested stiffening of the lining structure in the inspection hatch

- · Hatch sizes (A, B)
- Hatch weight
- Lining height and configuration

M1, M2 uprights design options: CW, CW - H, UA, UA - H, UA strong box type R1, R2 rulers design options: UW, UW strong box type, UA strong box type If the NIDA System lining is intended to be fire resistant from both directions, then the installed hatch shall also be fire resistant from both directions.

## Horizontal section of the inspection hatch.



## NOTE:

The detail presented is general in nature and focuses on the stiffening of the structure in the hatch installation area.lt will be customised according to the model of hatch to be installed in the NIDA system

- NIDA Metal UD30 end profile
- 11 Wooden item
- 12 NIDA Boardfix
- 3 Stiff support (reinforced concrete/brickwork/wood/etc.)

Board width

400m

MOM

Ē

length

Board

- 14 Corner protection profile
- **15** Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 NIDA Metal CW end profile
- 17 NIDA Metal CW additional upright
- B Strip made of Siniat plasterboards
- Special NIDA Metal UW runner profile (\*4)
- 20 NIDA Metal Cd@60cm profile

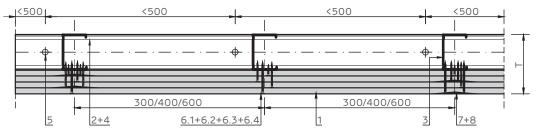
- 1 3x Siniat plasterboard
- 2 NIDA Metal UW runner profile
- 3 NIDA Metal CW stud
- 4 Single-sided sealing tape
- 5 Mechanical fixing Max. pitch 500 mm (\*1)
- 6.1 Self-tapping screw 212xL1 @ 600
- 62 Self-tapping screw 212xL2 @ 600
- 63 Self-tapping screw 212xL3 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- 9 Self-tapping screw 212xL4 + flat washer @500mm



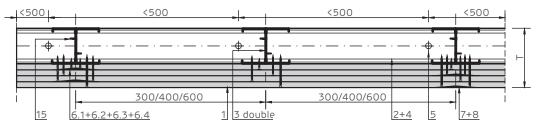
# NIDA System SH.CW.I

Shaft-walls with NIDA System SH.CW.I four-layer lining on NIDA Metal CW/UW independent support structure

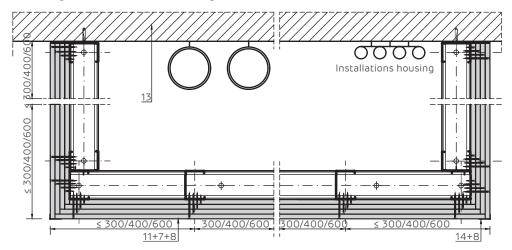
Single NIDA Metal CW upright Horizontal section.



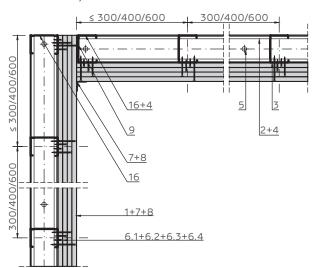
Double NIDA Metal CW upright Horizontal section.



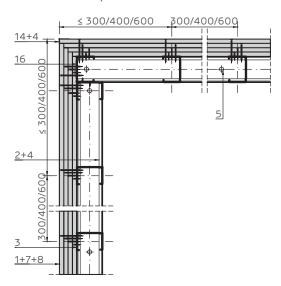
Three-sided enclosing of installations housing Horizontal section.



## 90° corner joint. Horizontal section.

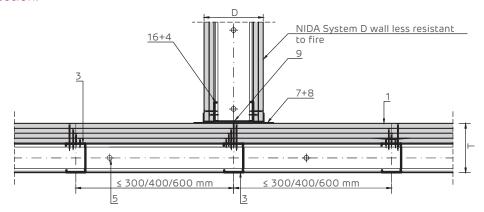


270° corner joint. Horizontal section.

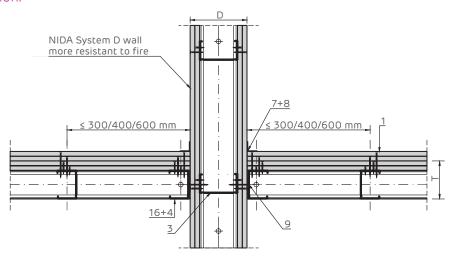




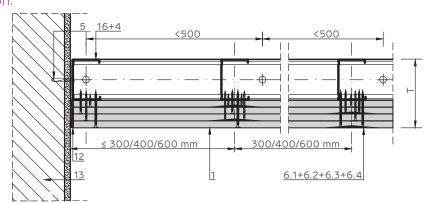
#### Crossing with D wall less resistant to fire Horizontal section.



#### Crossing with D wall more resistant to fire Horizontal section.



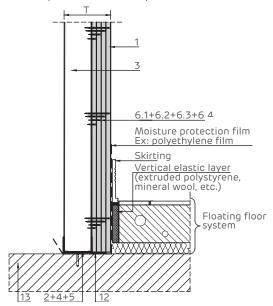
### Rigid jointing with sturdy item Horizontal section.



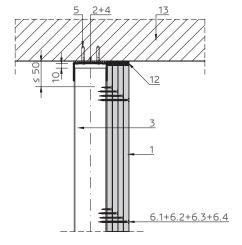
- 1 4x Siniat plasterboard
- 2 NIDA Metal UW runner profile
- 3 NIDA Metal CW stud
- 4 Single-sided sealing tape
- 5 Mechanical fixing Max. pitch 500 mm (\*1)
- 6 Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 600
- Self-tapping screw 212xL3 @ 600
- 64 Self-tapping screw 212xL4 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- 9 Self-tapping screw 212xL5 + flat washer @500mm

- NIDA Metal UD30 end profile
- 11 Wooden item
- 12 NIDA Boardfix
- 3 Stiff support (reinforced concrete/brickwork/wood/etc.)
- 14 Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 NIDA Metal CW end profile
- 17 NIDA Metal CW additional upright
- 18 Strip made of Siniat plasterboards
- 19 Special NIDA Metal UW runner profile (\*4)
- 20 NIDA Metal Cd@60cm profile

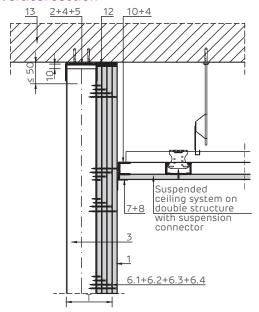
Detailed crossing with floating floor system. Vertical section at the bottom of the lining. For superior acoustic performance.



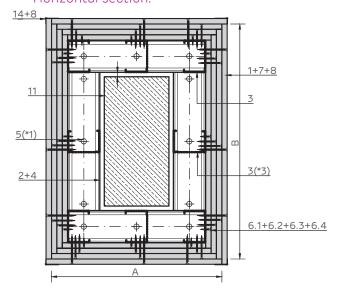
Detailed attachment at the top on reinforced concrete members. Installation height: H ≤ 5 m. Vertical section.



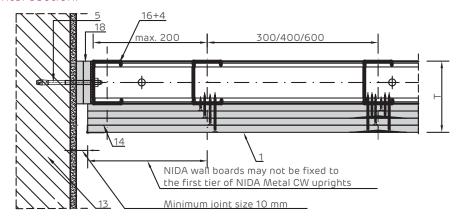
Detailed crossing with suspended ceiling on double structure with adjustable clamp. Vertical section



Lining of a wooden item Horizontal section.



- (\*1) A minimum of 3 fasteners should be fitted along NIDA Metal UD. (\*3) If the lining size (A/B) exceeds the maximum value of 600 mm, an additional upright (marked with a dotted line in the plan) should be placed.
- Sliding joint with sturdy items. Horizontal section



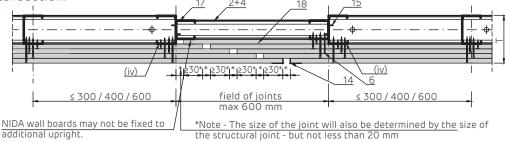


### Expansion joint Horizontal section.

#### NOTE:

- (iv) For the last plasterboard layer, it is not acceptable to make a joint in front of the specified upright.
- (v) In the case of lining longer than 15 m, a vertical joint should be made every 10 m of the system

The joint should also be placed in front of structural joints.

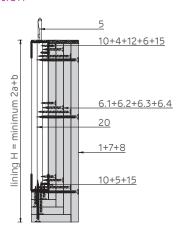


- (\*) The size of the joint will also be determined by the size of the structural joint, but not less than 20 mm (\*\* The overlap of boards should have a minimum size of (\* + 10 mm)

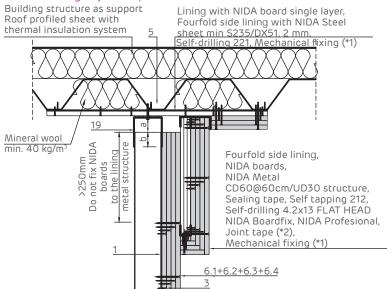
#### Detailed attachment at the top on reinforced concrete members. Vertical section

# NIDA boards may not be fixed to the wall metal Fourfold side lining structure NIDA boards, Self-tapping 212, Self-4.2x13 FLAT HEAD NIDA Metal CD60@60cm/UD30 structure Sealing tape NIDA Boardfix NIDA Profesional Jointing tape (\*2) Mechanical fixing (\*1) 6.1+6.2+6.3+6.4

#### Detail of fourfold side lining. Vertical section

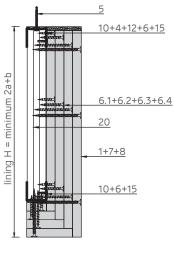


### Detailed attachment at the top to the roof profiled sheet. Direct fixing. System parallel to the sheet ribs. Vertical section



# Detail of fourfold side lining

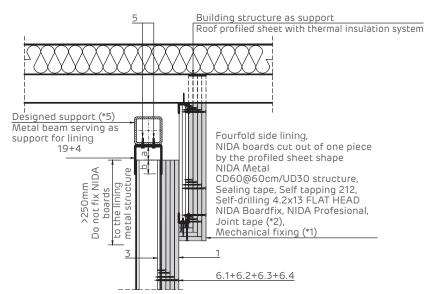
Vertical section



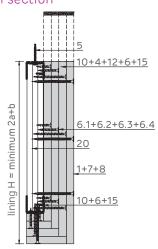
- 1 4x Siniat plasterboard
- 2 NIDA Metal UW runner profile
- 3 NIDA Metal CW stud
- 4 Single-sided sealing tape
- 5 Mechanical fixing Max. pitch 500 mm (\*1)
- 60 Self-tapping screw 212xL1 @ 600
- 6.2 Self-tapping screw 212xL2 @ 600
- 63 Self-tapping screw 212xL3 @ 600
- 6.4 Self-tapping screw 212xL4 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- 9 Self-tapping screw 212xL5 + flat washer @500mm

- NIDA Metal UD30 end profile
- 11 Wooden item
- 12 NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- 14 Corner protection profile
- **1** Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 NIDA Metal CW end profile
- 17 NIDA Metal CW additional upright
- 18 Strip made of Siniat plasterboards
- Special NIDA Metal UW runner profile (\*4)
- 20 NIDA Metal Cd@60cm profile

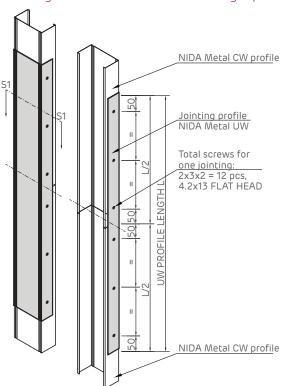
> Detailed attachment at the top on the roof profiled sheet. Fixing on designed support (\*5). System perpendicular to the profiles. Vertical section



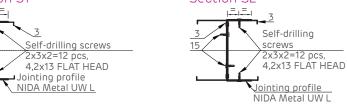
#### Detail of fourfold side lining Vertical section



### Jointing detail of NIDA Metal CW single profiles.



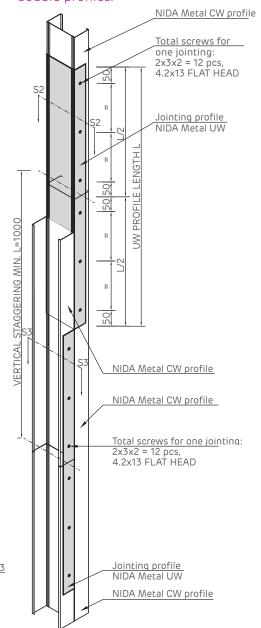




# NIDA Metal UW jointing profile

	jointing profile	length (mm)
1	UW 50	L=1000
2	UW 75	L=1500
3	UW 100	L=2000

# Jointing detail of NIDA Metal CW double profiles.



Section S3

Self-drilling

2x3x2=12 pcs 4,2x13 FLAT HEAD

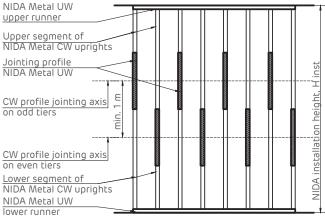
Jointing profile NIDA Metal UW

screws

#### Access hatch elevation.

Lining structure M2 NIDA Metal CW upright R2 NIDA Metal UW-UA ruler Pre-frame structure X M FIRE RESISTANT INSPECTION HATCH idn CW/UA additional VIDA Metal Lining structure Hatch fixing to pre-frame structure Self-drilling / self-tapping screw M1 NIDA Metal CW upright R1 NIDA Metal UW/UA ruler according to hatch specification Pre-frame structure Suggested stiffening of the lining structure in the inspection hatch installation area. Additional fixing - Adjustable clamp

NIDA Metal CW profile joint staggering. System elevation.



Board staggering. System elevation. Vertical and horizontal joints should be staggered to avoid overlap.

NIDA Metal CW/UA/CD profile upright interaxis

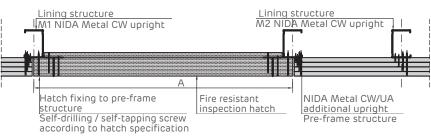
#### NOTE (\*):

The pre-frame structure (Rulers R1, R2 + Uprights M1, M2) used for fixing the hatch will be sized according to the following points:

- Hatch sizes (A, B)
- Hatch weight
- · Lining height and configuration

M1, M2 uprights design options: CW, CW - H, UA, UA - H, UA strong box type R1, R2 rulers design options: UW, UW strong box type, UA strong box type If the NIDA System lining is intended to be fire resistant from both directions, then the installed hatch shall also be fire resistant from both directions.

#### Horizontal section of the inspection hatch.



The detail presented is general in nature and focuses on the stiffening of the structure in the hatch installation area. It will be customised according to the model of hatch to be installed in the NIDA system

Ë 400 length Ξ 100mm 4th layer of boards Board width 3<sup>rd</sup> layer of boards 2<sup>nd</sup> layer of boards 1st layer of boards of NIDA Metal structure

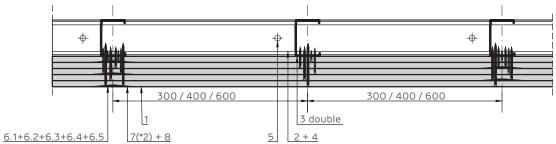
- 1 4x Siniat plasterboard
- 2 NIDA Metal UW runner profile
- 3 NIDA Metal CW stud
- 4 Single-sided sealing tape
- 5 Mechanical fixing Max. pitch 500 mm (\*1)
- 6) Self-tapping screw 212xL1 @ 600
- 6.2 Self-tapping screw 212xL2 @ 600
- 63 Self-tapping screw 212xL3 @ 600
- 6.4 Self-tapping screw 212xL4 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster
- 9 Self-tapping screw 212xL5 + flat washer @500mm

- 10 NIDA Metal UD30 end profile
- 11 Wooden item
- NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- 14 Corner protection profile
- 15 Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 NIDA Metal CW end profile
- 17 NIDA Metal CW additional upright
- 18 Strip made of Siniat plasterboards
- Special NIDA Metal UW runner profile (\*4)
- 20 NIDA Metal Cd@60cm profile

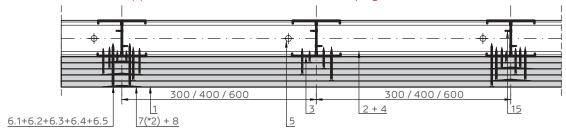
# NIDA System SH.CW.I

Shaft-walls with NIDA System SH.CW.I five-layer lining on NIDA Metal CW/UW independent support structure

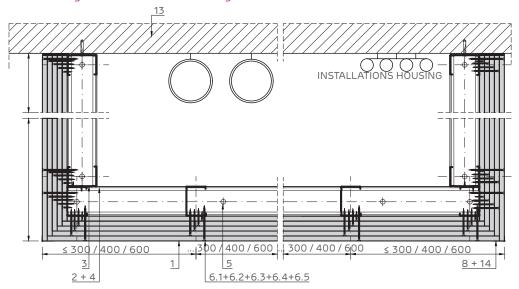
Attachment to stiff support. Horizontal section.



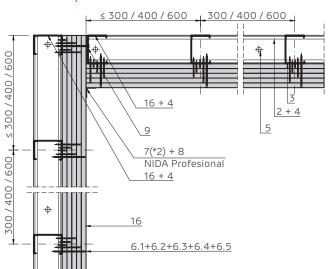
Attachment to stiff support. Horizontal section - double upright



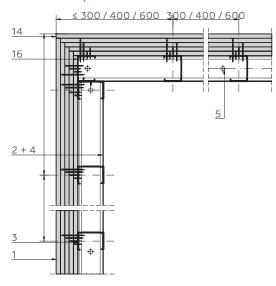
Three-sided enclosing of installations housing Horizontal section.



90° corner joint. Horizontal section.

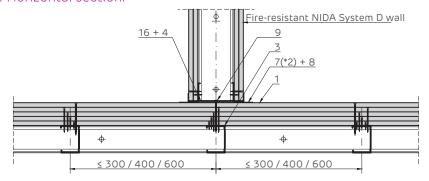


270° corner joint. Horizontal section.

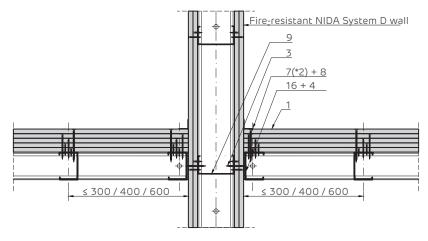




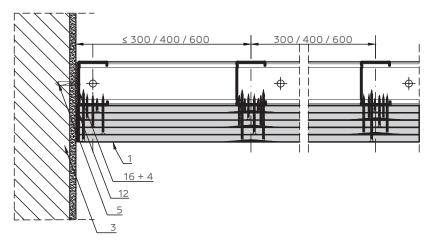
#### Crossing with D wall less resistant to fire. Horizontal section.



### Crossing with D wall more resistant to fire Horizontal section.



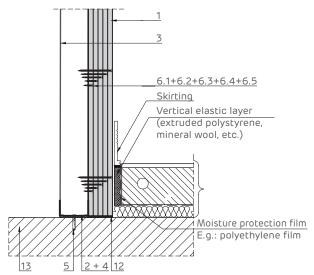
### Rigid jointing with sturdy item Horizontal section.



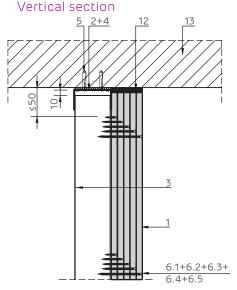
- 1 5x Siniat plasterboard
- 2 NIDA Metal UW runner profile
- 3 NIDA Metal CW stud
- 4 Single-sided sealing tape
- 5 Mechanical fixing Max. pitch 500 mm (\*1)
- 6 Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 600
- 63 Self-tapping screw 212xL3 @ 600
- 64 Self-tapping screw 212xL4 @ 600
- 65 Self-tapping screw 212xL5 @ 300
- 7 Jointing tape (\*2)

- 8 NIDA Profesional jointing plaster
- Self-drilling screw 5.5x25- 2 pcs/fastening
- Corner iron 200x40x40x2 mm
- 11 Mechanical fixing (\*1) 1 pc/fastening
- 12 NIDA Boardfix
- 3 Stiff support (reinforced concrete/brickwork/wood/etc.)
- 14 Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 MOLLY @ 500 mm metal dowel
- 17 NIDA Metal CW end profile
- 8 Self-tapping screw 212xL5 + flat washer @500mm
- 19 NIDA Metal UD30 end profile

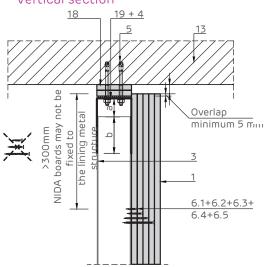
Detailed crossing with floating floor system. Vertical section at the bottom of the lining. For superior acoustic performance.



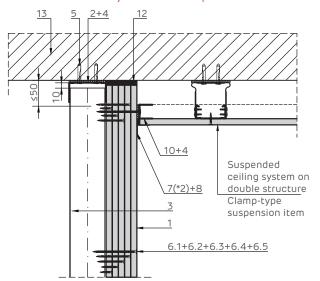
Detailed attachment at the top on reinforced concrete members. Installation height:  $H \le 5$  m.



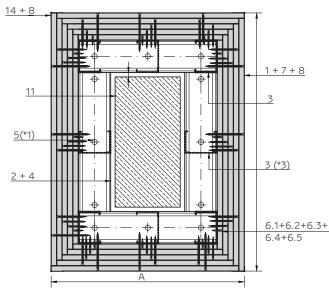
Detailed attachment at the top on reinforced concrete members. Installation height:  $H \le 5$  m. Vertical section



Detailed crossing with suspended ceiling on double structure with adjustable clamp. Vertical section

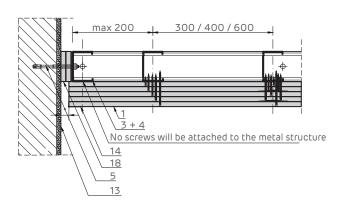


Lining of a wooden item Horizontal section.



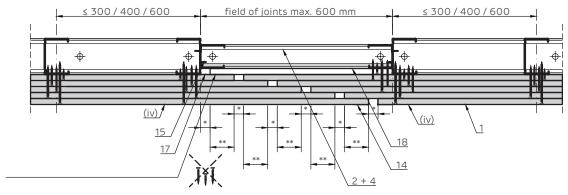
(\*1) A minimum of 3 fasteners should be fitted along NIDA Metal UW profile (\*3) If the lining size (A/B) exceeds the maximum value of 600 mm, an additional upright (marked with a dotted line in the plan) should be placed

Sliding joint with sturdy items. Horizontal section.





#### Expansion joint Horizontal section.



#### NOTE:

(iv) For the last plasterboard layer, it is not acceptable to make a joint in front of the specified upright. (v) In the case of lining longer than 15 m, a vertical joint should be made every 10 m of the system; The joint should also be placed in front of structural joints.

Detailed attachment at the top on roof profiled sheet - Direct fixing. System parallel to the sheet ribs. Vertical section

Lining with NIDA board single layer,Side lining with 5x NIDA Seel sheet min. S235/DX51, 2 mm, 19 + 4 Promaseal-A fireproof 19 + 4Self-drilling 221, Mechanical fixing (\*1) Mineral wool acrylic sealant 5 min. 40 kg/m Side lining 5x Designed support (\*5) NIDA board Metal beam serving be fixed to the lining lining NIDA Metal NIDA boards may not as support for lining 5x NIDA board CD60@60cm/UD30 profiles, structure NIDA Metal structure Sealing tape >300mm CD60@60cm /UD30 profiles not be fixed to the Ining metal Self-tapping 212, NIDA boards may Self-drilling Sealing tape Self-tapping 212 4.2x13 FLAT HEAD metal Auto-drilling NIDA Boradfix 4.2x13 FLAT HEAD NIDA Profesional 6.1+6.2+6.3+ NIDA Boradfix Jointing tape (\*2) 6.4+6.5 NIDA Profesional Mechanical fixing (\*1) Jointing tape (\*2) .1+6.2+6.3+6.4+6.5 Mechanical fixing (\*1)

- 1 5x Siniat plasterboard
- NIDA Metal UW runner profile
- NIDA Metal CW stud
- Double NIDA Metal CW-H upright profiles
- 4 Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 600
- Self-tapping screw 212xL3 @ 600
- Self-tapping screw 212xL4 @ 600
- 65 Self-tapping screw 212xL5 @ 300
- 7 Jointing tape (\*2)

- 8 NIDA Profesional jointing plaster
- Self-drilling screw 5.5x25- 2 pcs/fastening
- Corner iron 200x40x40x2 mm
- Mechanical fixing (\*1) 1 pc/fastening
- NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)

Detailed attachment at the top to the roof profiled

sheet - Attachment to designed support (\*5).

System perpendicular to the profiles.

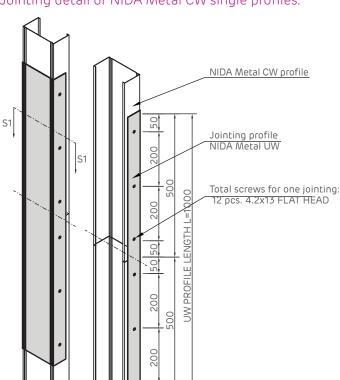
Vertical section

- 14 Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 MOLLY @ 500 mm metal dowel
- NIDA Metal CW end profile
- (8 Self-tapping screw 212xL5 + flat washer @500mm
- 19 NIDA Metal UD30 end profile

<sup>\*</sup>The size of the joint will also be determined by the size of the structural joint

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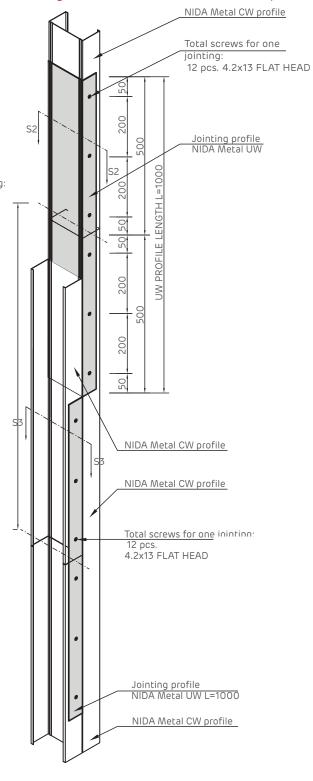
#### Jointing detail of NIDA Metal CW single profiles.



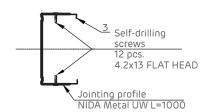
20

N°	NIDA Metal jointing profile	UW jointing profile length (mm)
1	UW 50	L=1000
2	UW 75	L=1500
3	UW 100	L=2000

#### Jointing detail of NIDA Metal CW double profiles.

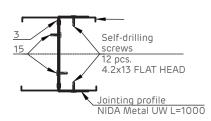




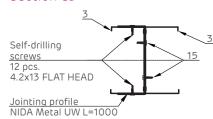


#### Section S2

NIDA Metal CW profile



Section S3

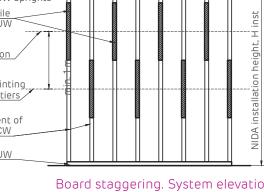




#### Access hatch elevation.

R2 NIDA Metal UW-UA ruler Lining structure M2 NIDA Metal CW upright Pre-frame structure NIDA Metal UW upper runner Upper segment of NIDA Metal CW uprights **INSPECTION HATCH** FIRE RESISTANT Jointing profile NIDA Metal UW OR NOT CW profile jointing axis on odd tiers CW profile jointing additional axis on even tiers Lower segment of NIDA Metal CW CW/UA uprights NIDA Metal UW lower runner Metal ( Lining structure M1 NĬDA Metal CW upright Hatch fixing to pre-frame structure Self-drilling / self-tapping screw according to hatch specification R1 NIDA Metal UW/UA ruler Pre-frame structure

NIDA Metal CW profile joint staggering. System elevation.



Board staggering. System elevation. Vertical and horizontal joints should be staggered to avoid overlap.

4

5th layer of boards

4<sup>th</sup> layer of boards

3<sup>rd</sup> layer of boards

2<sup>nd</sup> layer of boards

of NIDA Metal structure

1st layer of boards

installation height, H

NIDA Metal CW/UA/CD profile upright interaxis

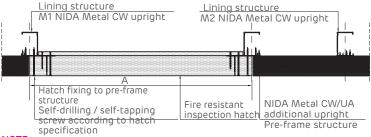
# Suggested stiffening of the lining structure in the inspection hatch installation area. Additional fixing - Adjustable clamp

The pre-frame structure (Rulers R1, R2 + Uprights M1, M2) used for fixing the hatch will be sized according to the following points:

- Hatch sizes (A, B)
- Hatch weight
- Lining height and configuration

M1, M2 uprights design options: CW, CW - H, UA, UA - H, UA strong box type R1, R2 rulers design options: UW, UW strong box type, UA strong box type If the NIDA System lining is intended to be fire resistant from both directions, then the installed hatch shall also be fire resistant from both directions.

#### Horizontal section of the inspection hatch.



NOTE:

The detail presented is general in nature and focuses on the stiffening of the structure in the hatch installation area.It will be customised according to the model of hatch to be installed in the NIDA system

- 5x Siniat plasterboard
- 2 NIDA Metal UW runner profile
- NIDA Metal CW stud
- Double NIDA Metal CW-H upright profiles
- 4 Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- 6) Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 600
- Self-tapping screw 212xL3 @ 600
- 6.4 Self-tapping screw 212xL4 @ 600
- 6.5 Self-tapping screw 212xL5 @ 300
- 7 Jointing tape (\*2)

NIDA Profesional jointing plaster

Board length

Self-drilling screw 5.5x25- 2 pcs/fastening

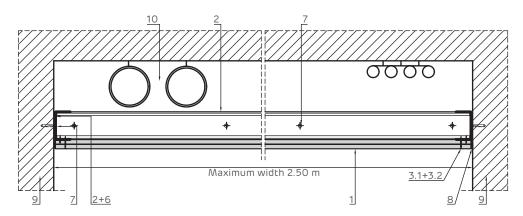
Board width

- Corner iron 200x40x40x2 mm
- Mechanical fixing (\*1) 1 pc/fastening
- 12 NIDA Boardfix
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- 14 Corner protection profile
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 16 MOLLY @ 500 mm metal dowel
- 17 NIDA Metal CW end profile
- 8 Self-tapping screw 212xL5 + flat washer @500mm
- 19 NIDA Metal UD30 end profile

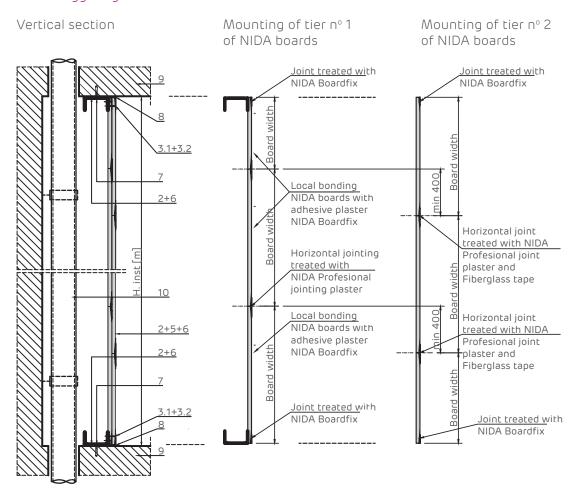
# NIDA System SH.W250

Shaft-walls with NIDA System SH.W250 double-layer lining on NIDA Metal CW/UW independent support structure

Horizontal section.



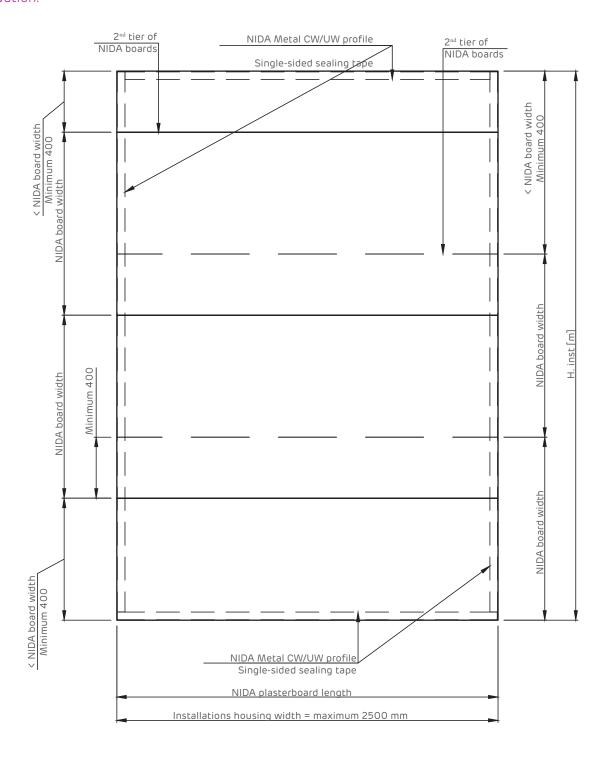
NIDA plasterboard mounting details. Joint staggering - Vertical section.







#### NIDA plasterboard mounting details. Joint stagger. Elevation.



- 1 2x Siniat plasterboard
- 2 NIDA Metal CW/UW profile
- Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 300
- 4 Jointing tape (\*2)
- 5 NIDA Profesional jointing plaster

- 6 Single-sided sealing tape
- Mechanical fastening (\*1) maximum pitch 500 mm (zigzag to the central axis of the profile)
- 8 NIDA Boardfix adhesive
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- Technical space/installations housing

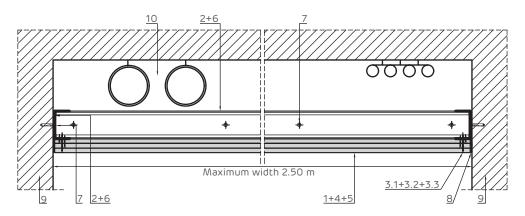
86

**WORK DETAILS** 

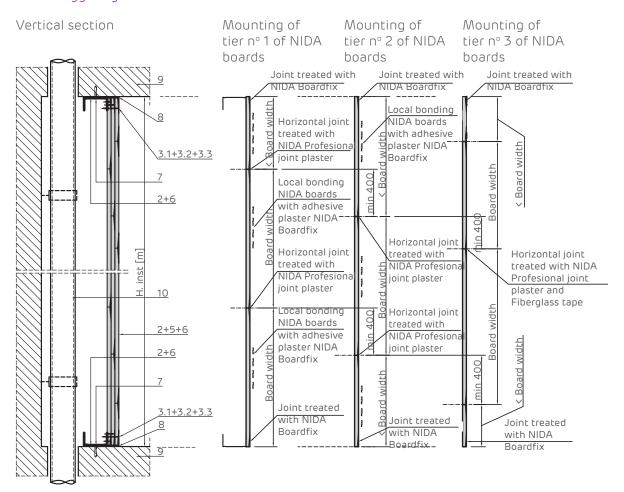
# NIDA System SH.W250

Shaft-walls with NIDA System SH.W250 triple-layer lining on NIDA Metal CW/UW independent support structure

#### Horizontal section.



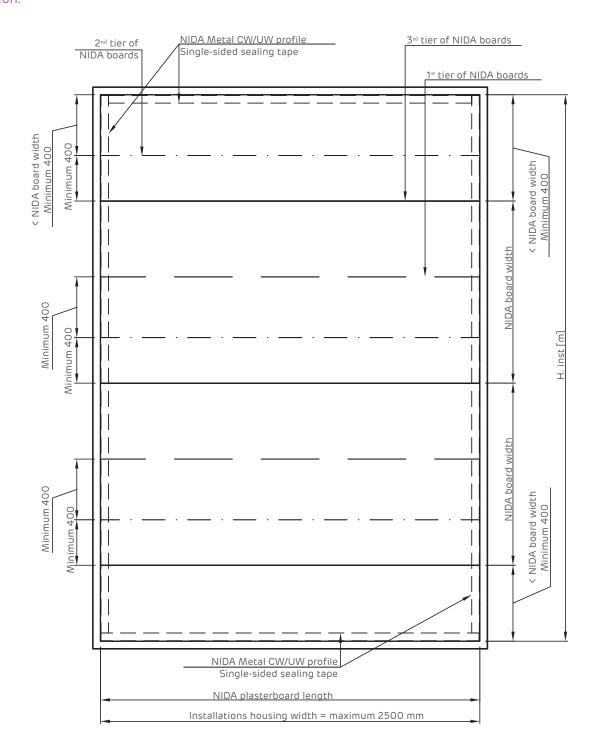
### NIDA plasterboard mounting details. Joint staggering - Vertical section.







### NIDA plasterboard mounting details. Joint stagger. Elevation.

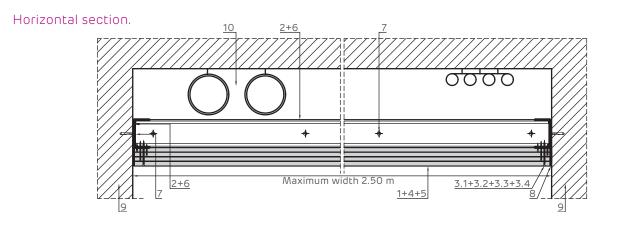


- 1 3x Siniat plasterboard
- NIDA Metal CW/UW profile
- Self-tapping screw 212xL1 @ 600
- 😥 Self-tapping screw 212xL2 @ 600
- Self-tapping screw 212xL3 @ 300
- Jointing tape (\*2)
- NIDA Profesional jointing plaster

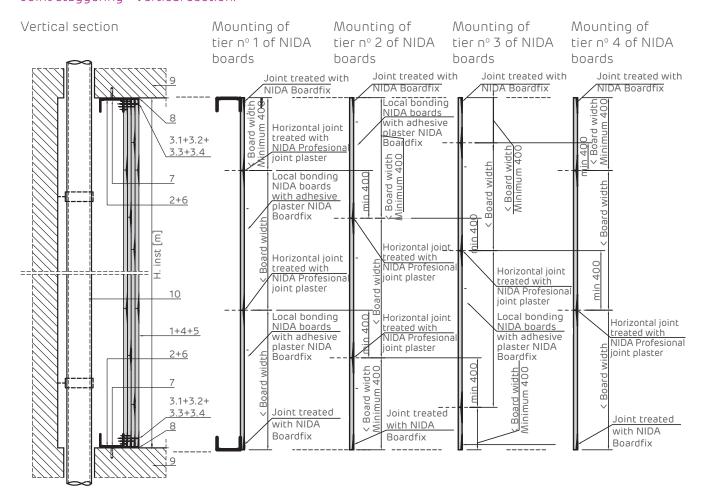
- 6 Single-sided sealing tape
- Mechanical fastening (\*1) maximum pitch 500 mm (zigzag to the central axis of the profile)
- 8 NIDA Boardfix adhesive
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- Technical space/installations housing

# NIDA System SH.W250

Shaft-walls with NIDA System SH.W250 four-layer lining on NIDA Metal CW/UW independent support structure



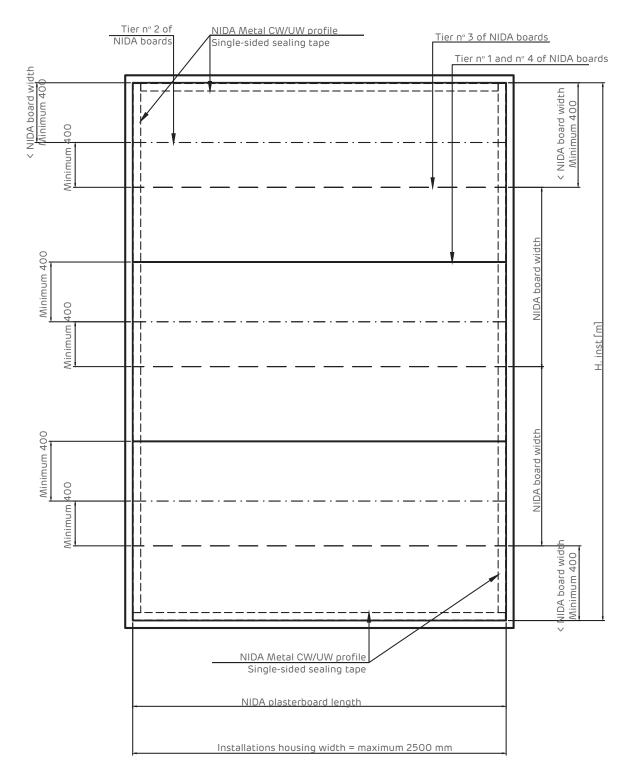
NIDA plasterboard mounting details. Joint staggering - Vertical section.







### NIDA plasterboard mounting details. Joint stagger. Elevation.



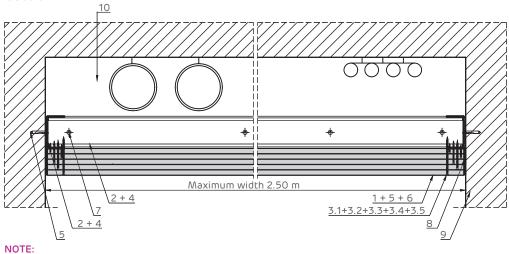
- 4x Siniat plasterboard
- 2 NIDA Metal CW/UW profile
- 🚮 Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 600
- Self-tapping screw 212xL3 @ 600
- 3.4 Self-tapping screw 212xL4 @ 300
- 4 Jointing tape (\*2)

- 5 NIDA Profesional jointing plaster
- 6 Single-sided sealing tape
- Mechanical fastening (\*1) maximum pitch 500 mm (zigzag to the central axis of the profile)
- 8 NIDA Boardfix adhesive
- Stiff support (reinforced concrete/brickwork/wood/etc.)
- Technical space/installations housing

# NIDA System SH.W250

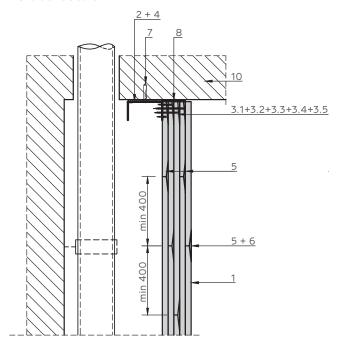
## NIDA System SH.W250 five-layer lining on NIDA Metal CW/UW structure

#### Horizontal section.

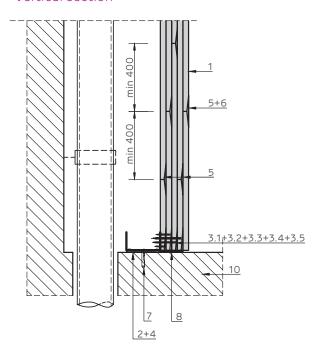


NIDA plasterboards are to be mounted long-sided horizontally, using one-piece boards!!! Vertical joints between plasterboards are not allowed in the field area of the lining!!!

#### Mounting details Attachment at the top Vertical section



#### Mounting details Attachment at the bottom. Vertical section



NIDA plasterboards are to be mounted long-sided horizontally, using one-piece boards!!! Vertical joints between plasterboards are not allowed in the field area of the lining!!!

- 5x Siniat plasterboard locally bonded with Boardfix
- NIDA Metal CW/UW profile
- Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 600
- Self-tapping screw 212xL3 @ 600
- Self-tapping screw 212xL4 @ 600
- Self-tapping screw 212xL5 @ 300
- Jointing tape (\*2)

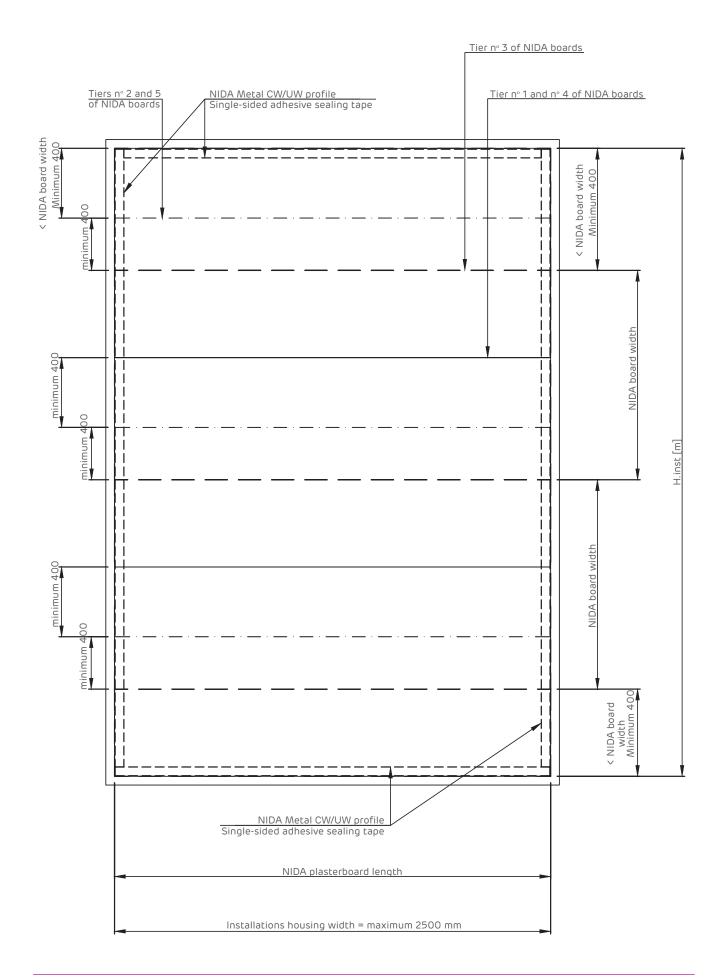
- NIDA Profesional jointing plaster
- 6 Single-sided adhesive sealing tape
- Mechanical fixing(\* 1) maximum 500 mm pitch (In zigzag to the profile centerline)
- 8 NIDA Boardfix adhesive
- Stiff support (reinforced concrete/brickwork/wood/ metal structure, ACC)
- Technical space/installations housing







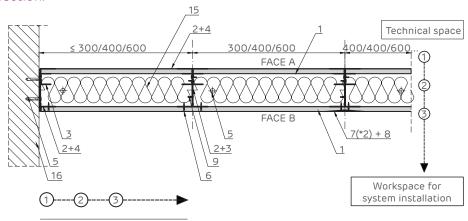
NIDA plasterboard mounting details. Joint stagger. Elevation.



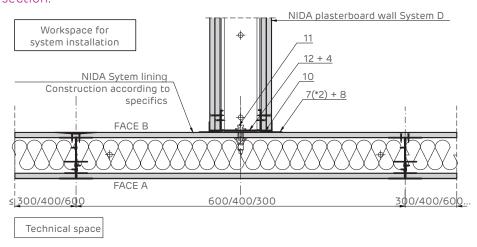
# NIDA System SH.UU

Shaft-walls with NIDA System SH.UU single-layer lining inwards and outwards on NIDA Metal UW/UD independent support structure

Horizontal section.

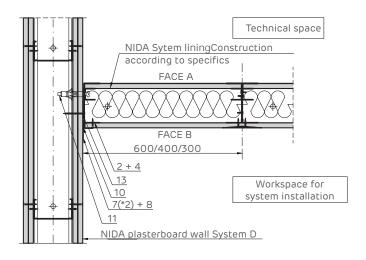


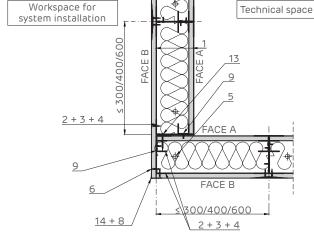
NIDA System T - Acoustic lining in wall system lining with single board layer on NIDA Metal UW/UD structure Horizontal section.



Lining crossing with D wall more resistant to fire. Horizontal section.

Corner detail Horizontal section.

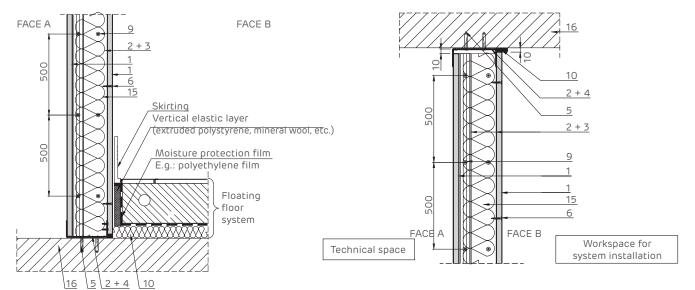




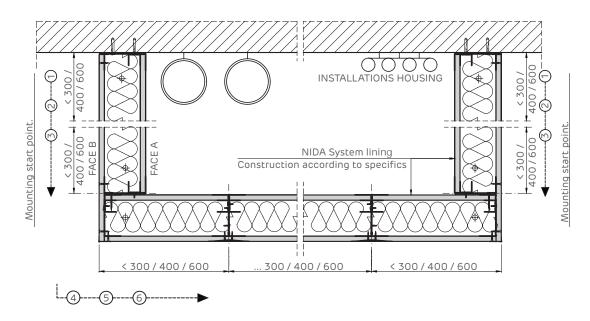


#### Detail of crossing with floating floor Vertical section

#### Detail of upper attachment to reinforced concrete slab Vertical section



Three-sided enclosing of installations housing. Horizontal section.

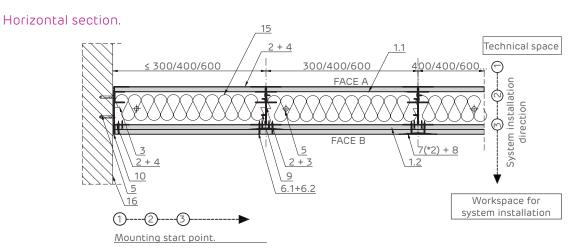


- 1x Siniat plasterboard
- NIDA Metal UW profile
- NIDA Metal UD profile
- Single-sided adhesive sealing tape
- Mechanical fixing (\*1) Layout at maximum 500 mm pitch
- 6 Self-tapping screw 212xL1 @ 300
- Jointing tape (\*2)
- NIDA Profesional jointing plaster

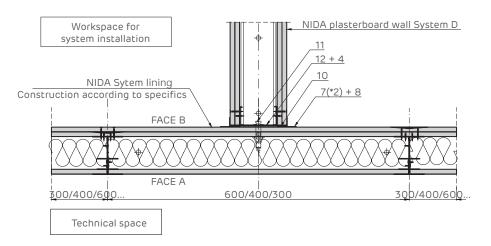
- Self-drilling screw 4.2x13 FLAT HEAD laid out in zigzag at 500 mm pitch
- 10 NIDA Boardfix
- 11 MOLLY @ 50 cm metal dowel
- 12 NIDA Metal CW upright
- 13 Self-tapping screw 212xL3 + flat washer @ 500 mm
- 14 Corner protection profile
- 15 Mineral wool
- Stiff support (reinforced concrete/brickwork/wood/ etc.)

# NIDA System SH.UU

Shaft-wall with NIDA System SH.UU single-layer lining inwards and double-layer lining outwards on NIDA Metal UW/UD independent support structure

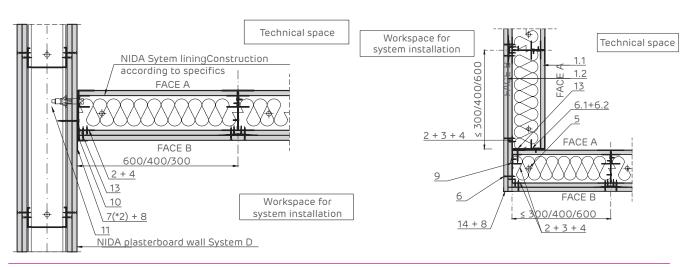


Lining crossing with D wall less resistant to fire or not resistant at all Horizontal section.



Lining crossing with D wall more resistant to fire. Horizontal section.

Corner detail Horizontal section.





Detail of attachment at the top

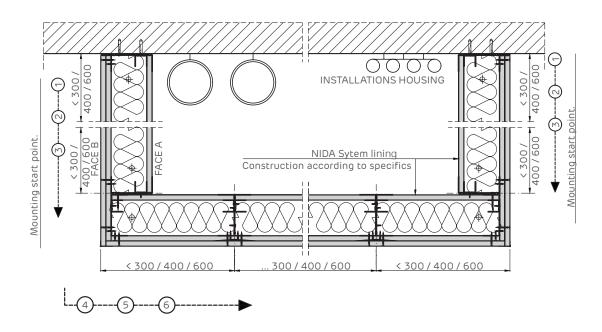
on reinforced concrete slab

Vertical section

#### Detail of crossing with floating floor Vertical section

#### FACE A FACE B 500 6.1+6.2 Skirting Vertical elastic layer (extruded polystyrene, mineral wool, etc.) 9 1.1 Moisture protection film 500 1.2 E.g.: polyethylene film 15 6.1+6.2 Floating FACE B floor Workspace for Technical space system system installation

Three-sided enclosing of installations housing. Horizontal section.



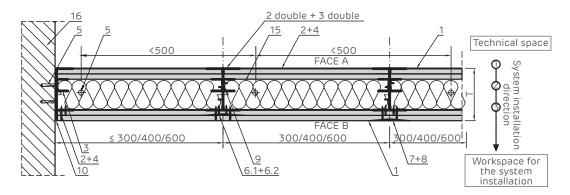
- 11 1x Siniat plasterboard
- 2x Siniat plasterboard
- NIDA Metal UW profile
- NIDA Metal UD profile
- Single-sided adhesive sealing tape
- Mechanical fixing (\*1)
  - Layout at maximum 500 mm pitch
- Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 300
- Jointing tape (\*2)

- 8 NIDA Profesional jointing plaster
- Self-drilling screw 4.2x13 FLAT HEAD laid out in zigzag at 500 mm pitch
- 10 NIDA Boardfix
- 11 MOLLY @ 50 cm metal dowel
- 12 NIDA Metal CW upright
- 3 Self-tapping screw 212xL3 + flat washer @ 500 mm
- 14 Corner protection profile
- 15 Mineral wool
- 6 Stiff support (reinforced concrete/brickwork/wood/etc.)

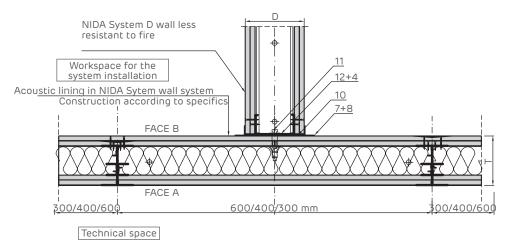
# NIDA System SH.UU

Shaft-wall with NIDA System SH.UU double-layer lining inwards and outwards on NIDA Metal UW/UD independent support structure

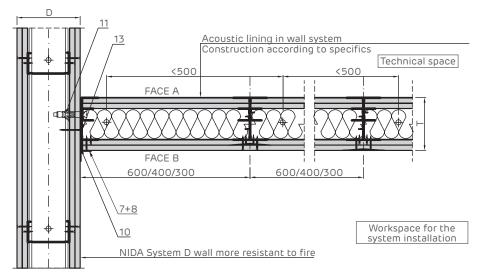
#### Horizontal section.



Lining crossing with D wall less resistant to fire. Horizontal section.



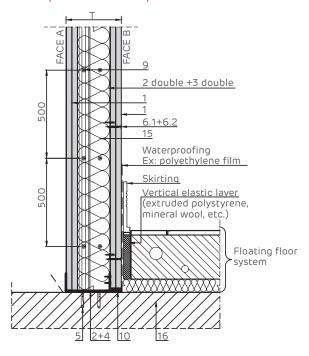
Lining crossing with D wall more resistant to fire. Horizontal section.



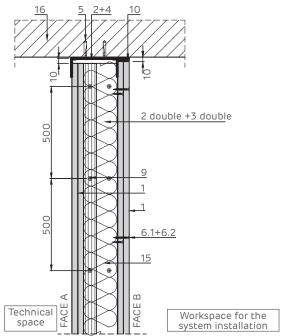




Detailed crossing with floating floor system. Vertical section at the bottom of the lining. For superior acoustic performance.

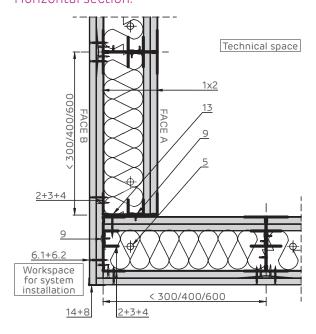


Upper fastening detail on reinforced concrete slab.

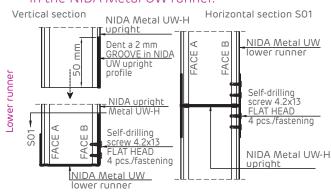


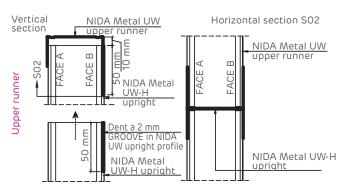
- 2x Siniat plasterboard
- 2 NIDA Metal UW profile
- 3 NIDA Metal UD profile
- Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- 6 Self-tapping screw 212xL1 @ 600
- 62 Self-tapping screw 212xL2 @ 300
- Jointing tape (\*2)
- NIDA Profesional jointing plaster

#### Corner detail Horizontal section.



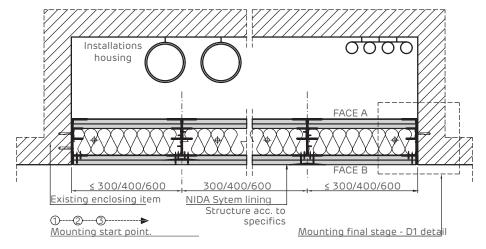
### Details of fixing UW-H NIDA Metal uprights in the NIDA Metal UW runner.



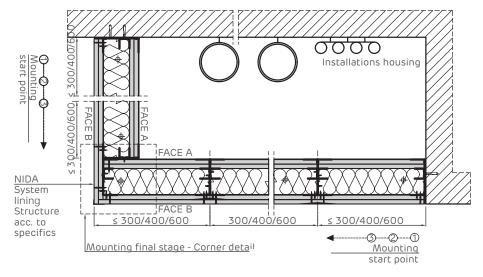


- 9 Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 10 NIDA Boardfix
- 11 MOLLY @ 500 mm metal dowel
- NIDA Metal CW upright
- 3 Self-tapping screw 212xL3 + flat washer @500mm
- 14 Corner protection profile
- Mineral wool
- Stiff support (reinforced concrete/brickwork/wood/ etc.)

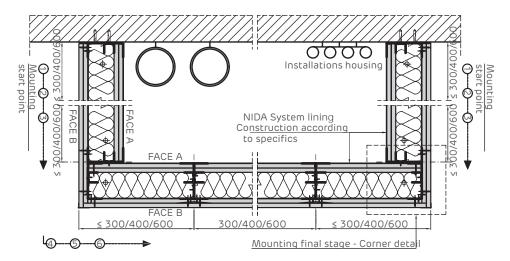
#### One-sided enclosing of installations housing Horizontal section.



### Two-sided enclosing of installations housing Horizontal section.



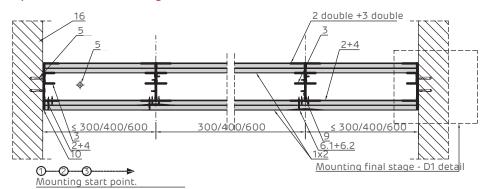
Two-sided enclosing of installations housing Horizontal section.





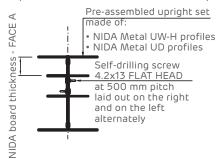


#### System installation stages Horizontal section.



The system should be mounted from one end in the case of linear lining, fixed between two enclosing elements (e.g. brick wall, reinforced concrete). In the case of lining of technical spaces which are L-shaped or U-shaped, the system should be mounted in such a way that it closes at all times in the corner area

#### Implementation of the UW-UD upright set.



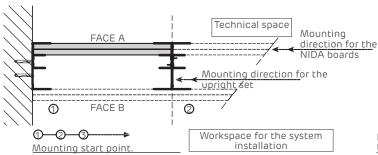
#### D1 det. Horizontal section. Profile L1\*\* L1\*\* profile NIDA Metal UW 2x NIDA plasterboard Cutting plan Mechanical fixing(\*1) Pitch max. 500 mm Profile L2\*\* Profile L2\*\* + NIDA Metal UD30 NIDA Metal JD30 profile fixed together with Profile L2\* mechanical fasteners (\*1) laid at 50 mm pitch

#### NOTE \*\*:

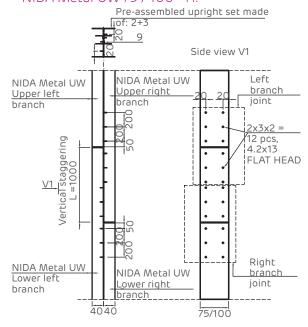
NIDA Metal UW runner profile will be cut in two L pieces as follows: • L1 profile and L2 profile

Profile L1 shall be cut according to the thickness and number of layers of NIDA boards so that they will cover the width of the profile  $% \left( 1\right) =\left( 1\right) \left( 1\right) +\left( 1\right) \left( 1\right) \left( 1\right)$ as shown in the plan. After cutting the L1 profile, another piece will result, namely L2; this will be fixed together with the NIDA Metal UD profile to the existing support using mechanical fasteners (\*1).

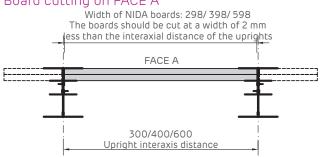
## Mounting instructions.



### Detail of upright set jointing NIDA Metal UW 75 / 100 - H.



#### Board cutting on FACE A

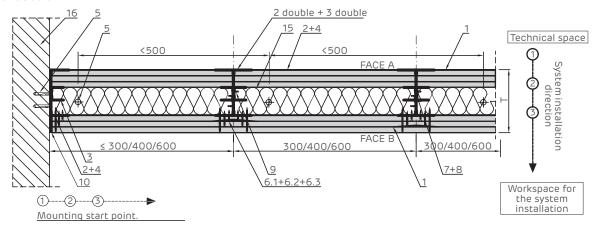


- 1 2x Siniat plasterboard
- NIDA Metal UW profile
- NIDA Metal UD profile
- 4 Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster

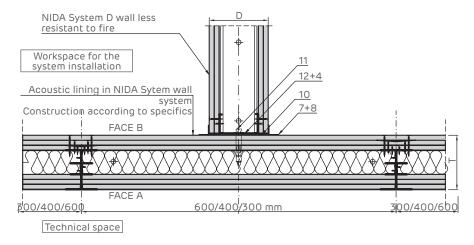
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 10 NIDA Boardfix
- MOLLY @ 500 mm metal dowel
- NIDA Metal CW upright
- Self-tapping screw 212xL3 + flat washer @ 500 mm
- 14 Corner protection profile
- Mineral wool
- Stiff support (reinforced concrete/brickwork/wood/ etc)

NIDA System SH.UU Shaft-wall with NIDA System SH.UU triple-layer lining inwards and outwards on NIDA Metal UW/UD independent support structure

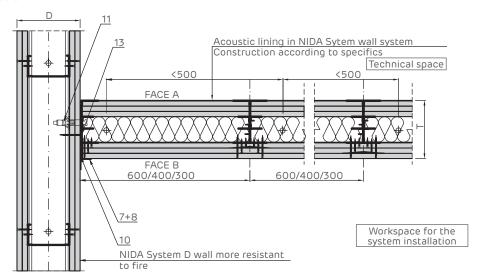
#### Horizontal section.



Lining crossing with D wall less resistant to fire. Horizontal section.

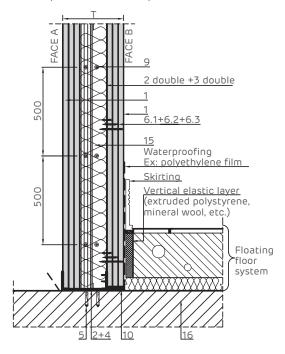


Lining crossing with D wall more resistant to fire. Horizontal section.

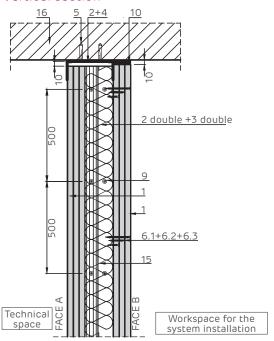




Detailed crossing with floating floor system. Vertical section at the bottom of the lining. For superior acoustic performance.

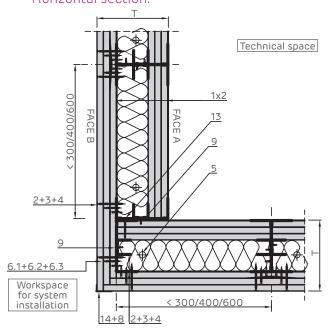


Upper fastening detail on reinforced concrete slab.

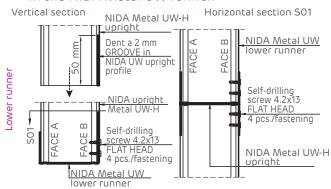


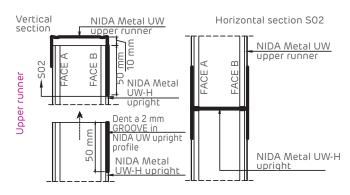
- 3x Siniat plasterboard
- NIDA Metal UW profile
- 3 NIDA Metal UD profile
- Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- Self-tapping screw 212xL1 @ 600
- 🔂 Self-tapping screw 212xL2 @ 600
- 🚯 Self-tapping screw 212xL3 @ 300
- Jointing tape (\*2)

#### Corner detail Horizontal section.



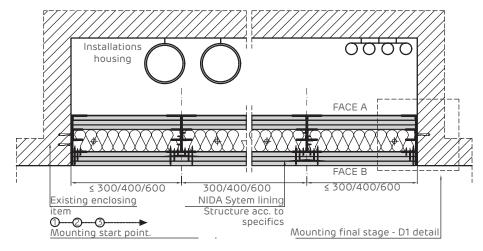
#### Details of fixing UW-H NIDA Metal uprights in the NIDA Metal UW runner.



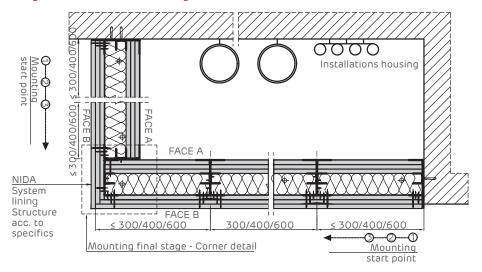


- 8 NIDA Profesional jointing plaster
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- NIDA Boardfix
- 11 MOLLY @ 500 mm metal dowel
- NIDA Metal CW upright
- Self-tapping screw 212xL4 + flat washer @500mm
- Corner protection profile
- Mineral wool
- Stiff support (reinforced concrete/brickwork/wood/ etc.)

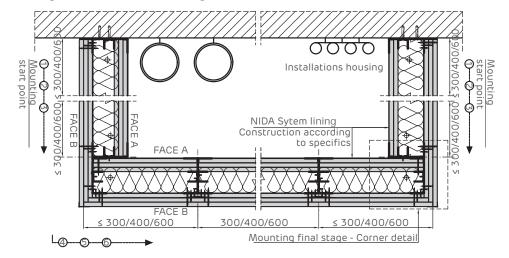
#### One-sided enclosing of installations housing Horizontal section.



#### Two-sided enclosing of installations housing Horizontal section.



Two-sided enclosing of installations housing Horizontal section.

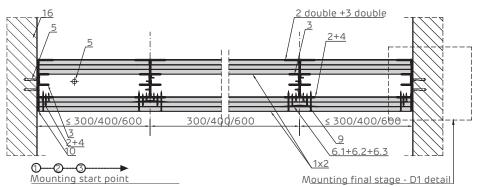






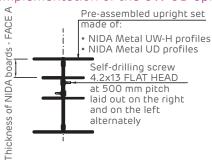


#### System installation stages Horizontal section.



The system should be mounted from one end in the case of linear lining, fixed between two enclosing elements (e.g. brick wall, reinforced concrete). In the case of lining of technical spaces which are L-shaped or U-shaped, the system should be mounted in such a way that it closes at all times in the corner area

#### Implementation of the UW-UD upright set



D1 det. Horizontal section
Profile L1\*\* Profile L1\*\* NIDA Metal UW Cutting plan 3x NIDA plasterboard Mechanical fixing(\*1) Pitch max. 500 mm Profile L2\*\*-Profile L2\*\* + NIDA Metal UD30 NIDA Metal UD30 profile fixed Profile L2<sup>3</sup> together with mechanical fasteners (\*1) laid at 50 mm pitch

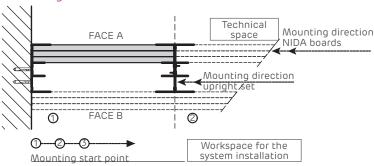
#### NOTE \*\*:

NIDA Metal UW runner profile will be cut in two L pieces as follows:

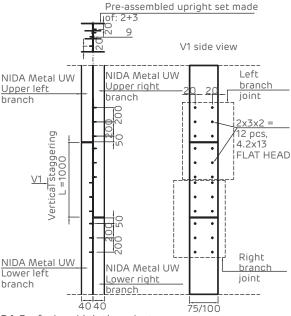
• Profile L1 and Profile L2

Profile L1 will be cut according to the thickness and number of layers of NIDA boards so that they will cover the width of the profile as shown in the drawing. After cutting the L1 profile, another piece will result, namely the L2 profile; this will be fixed together with the NIDA Metal UD profile to the existing support using mechanical fasteners (\*1).

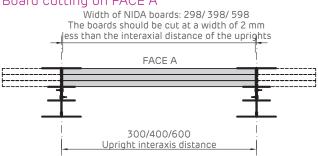
#### Mounting instructions



#### Detail of upright set jointing NIDA Metal UW 75 / 100 - H



### Board cutting on FACE A



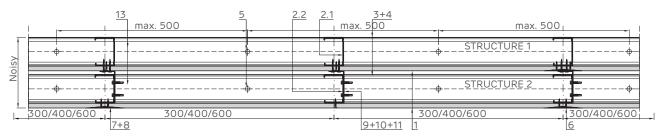
- 3x Siniat plasterboard
- 2 NIDA Metal UW profile
- 3 NIDA Metal UD profile
- Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- Self-tapping screw 212xL1 @ 600
- 🔂 Self-tapping screw 212xL2 @ 600
- 😚 Self-tapping screw 212xL3 @ 300
- 7 Jointing tape (\*2)

- 8 NIDA Profesional jointing plaster
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- NIDA Boardfix
- 11 MOLLY @ 500 mm metal dowel
- NIDA Metal CW upright
- Self-tapping screw 212xL4 + flat washer @500mm
- 14 Corner protection profile
- 15 Mineral wool
- Stiff support (reinforced concrete/brickwork/wood/ etc.)

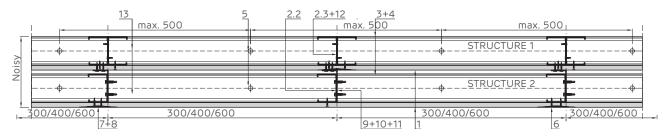
# NIDA System N.CW.I

Shaft-wall with NIDA System N.CW.I single-layer lining inwards and outwards on NIDA Metal CW/UW independent double structure

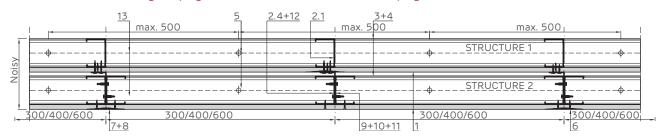
### Horizontal section: Single upright for Structure 1 and Structure 2



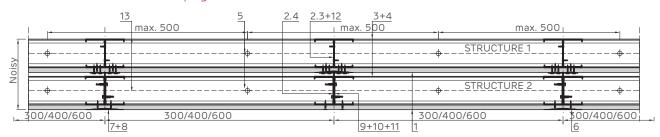
#### Horizontal section: Double upright for Structure 1 and single upright for Structure 2



#### Horizontal section: Single upright for Structure 1 and double upright for Structure 2



#### Horizontal section: Double upright for Structure 1 and Structure 2

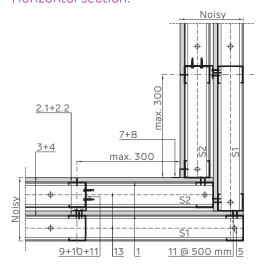




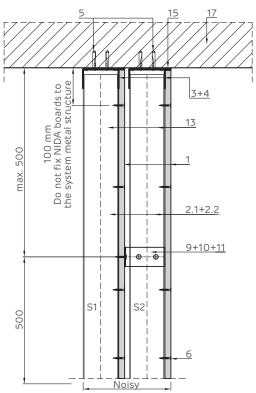




#### 90° corner joint.. Horizontal section.

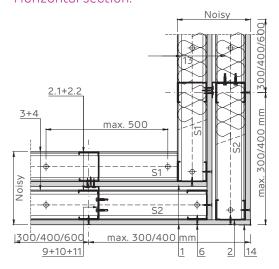


### Detailed attachment at the top on reinforced concrete members. Vertical section

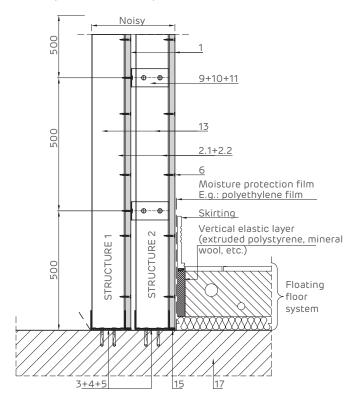


- 1 2x 1 Siniat plasterboard
- 21 NIDA Metal CW @ Structure 1 single upright
- NIDA Metal CW @ Structure 2 single upright
- 🔼 NIDA Metal CW @ Structure 1 double upright
- 🚁 NIDA Metal CW @ Structure 2 double upright
- 3 NIDA Metal UW runner profile
- 4 Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- 6 Self-tapping screw 212xL1 @ 300
- 7 Jointing tape (\*2)

#### 270° corner joint.. H. inst < 6 m. Horizontal section.

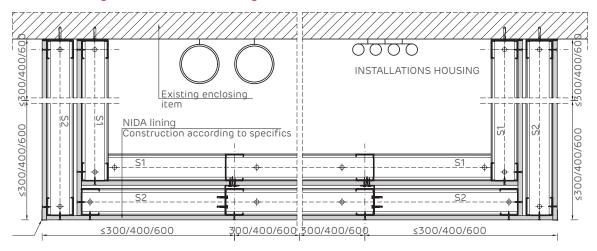


Detailed crossing with floating floor system. Vertical section at the bottom of the lining. For superior acoustic performance.

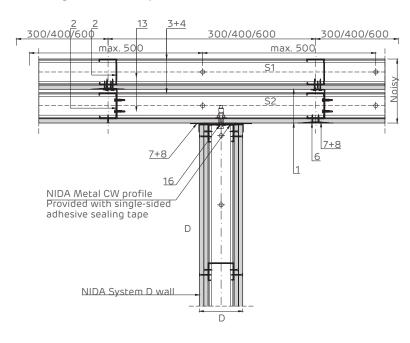


- 8 NIDA Profesional jointing plaster
- 9 200x40x40x2 mm corner iron Laid out vertically @ 500 mm
- Self-drilling 5.5x25 2 pcs./fastening
- Self-tapping screw 212xL2 + flat washer @500mm
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- Mineral wool
- 14 NIDA Profesional corner protection profile
- 15 NIDA Boardfix adhesive
- MOLLY @ 500 mm metal dowel
- 17 Rigid (concrete) support

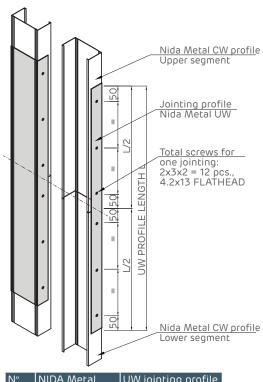
#### Three-sided enclosing of installations housing Horizontal section.



## Horizontal section: Crossing with NIDA System D distribution wall.

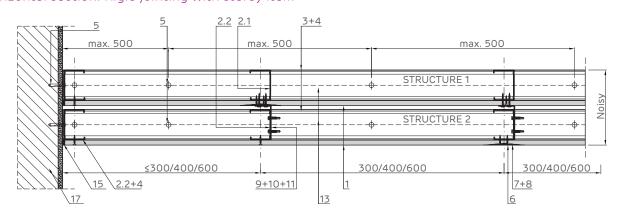


### Jointing detail of NIDA Metal CW single profiles.



	NIDA Metal jointing profile	UW jointing profile length (mm)
1	UW 50	L=1000
2	UW 75	L=1500
3	UW 100	L=2000

#### Horizontal section: Rigid jointing with sturdy item

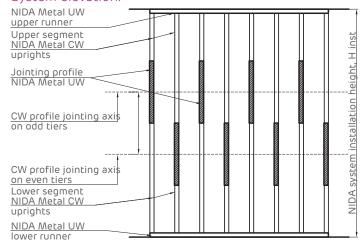




### Jointing detail of NIDA Metal CW double profiles.

# Nida Metal CW profile Upper - right segment Total screws for one jointing: 2x3x2 = 12 pcs. 4.2x13 FLAT HEAD Jointing profile NIDA Metal UW E 1000 ENGTH PROFILE $\leq$ N N STAGGERING 50 Vertical NIDA Metal CW profile Upper - left segment NIDA Metal CW profile Lower - right segment Total screws for one jointing: 2x3x2 = 12 pcs4.2x13 FLAT HEAD Jointing profile NIDA Metal UW NIDA Metal CW profile Lower - left segment

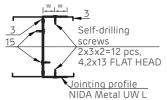
#### NIDA Metal CW profile joint staggering System elevation.



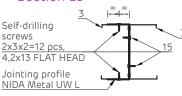
Board staggering. System elevation. Vertical and horizontal joints should be staggered to avoid overlap

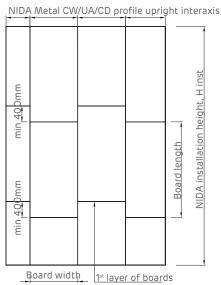
## Section S1 Self-drilling screws 2x3x2=12 pcs 4,2x13 FLAT HEAD Jointing profile NIDA Metal UW L

### Section S2



#### Section S3





	NIDA Metal jointing profile	UW jointing profile length (mm)
1	UW 50	L=1000
2	UW 75	L=1500
3	UW 100	L=2000

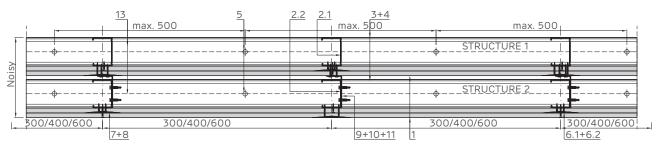
- 1 2x 1 Siniat plasterboard
- NIDA Metal CW @ Structure 1 single upright
- NIDA Metal CW @ Structure 2 single upright
- NIDA Metal CW @ Structure 1 double upright
- 2.4 NIDA Metal CW @ Structure 2 double upright
- NIDA Metal UW runner profile
- Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- Self-tapping screw 212xL1 @ 300
- Jointing tape (\*2)

- 8 NIDA Profesional jointing plaster
- 9 200x40x40x2 mm corner iron Laid out vertically @ 500 mm
- Self-drilling 5.5x25 2 pcs./fastening
- 11 Self-tapping screw 212xL2 + flat washer @500mm
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- Mineral wool
- NIDA Profesional corner protection profile
- NIDA Boardfix adhesive
- MOLLY @ 500 mm metal dowel
- 17 Rigid (concrete) support

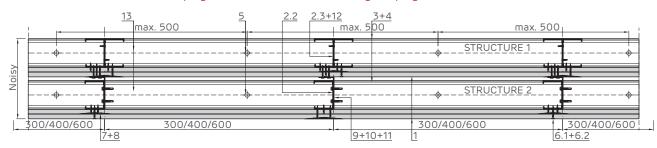
# NIDA System N.CW.I

Shaft-wall with NIDA System N.CW.I double-layer lining inwards and outwards on NIDA Metal CW/UW independent double structure

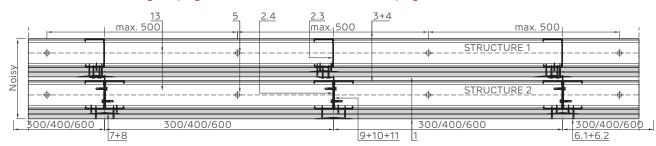
### Horizontal section: Single upright for Structure 1 and Structure 2



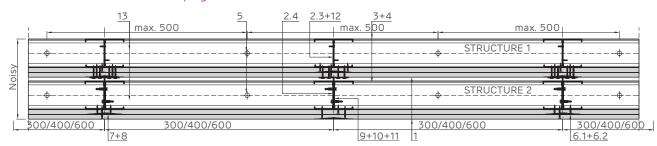
#### Horizontal section: Double upright for Structure 1 and single upright for Structure 2



#### Horizontal section: Single upright for Structure 1 and double upright for Structure 2



#### Horizontal section: Double upright for Structure 1 and Structure 2

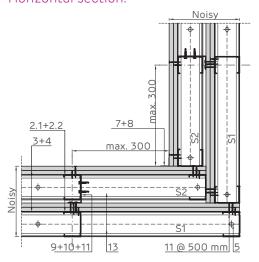




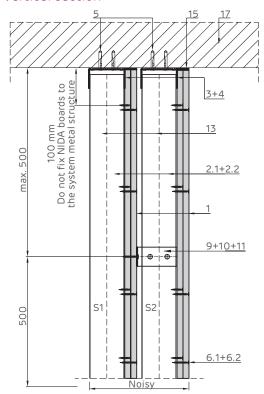




#### 90° corner joint.. Horizontal section.

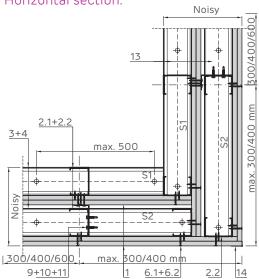


Detailed attachment at the top on reinforced concrete members. Vertical section

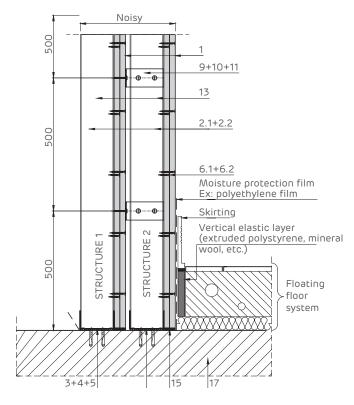


- 1 2x2 Siniat plasterboard
- NIDA Metal CW @ Structure 1 single upright
- NIDA Metal CW @ Structure 2 single upright
- NIDA Metal CW @ Structure 1 double upright
- 2 NIDA Metal CW @ Structure 2 double upright
- NIDA Metal UW runner profile
- 4 Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 300
- Jointing tape (\*2)

#### 270° corner joint.. H. inst < 6 m. Horizontal section.



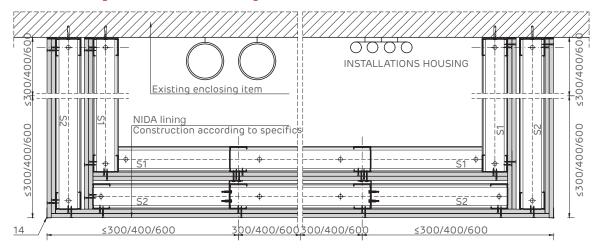
Detailed crossing with floating floor system. Vertical section at bottom of lining for superior acoustic performance.



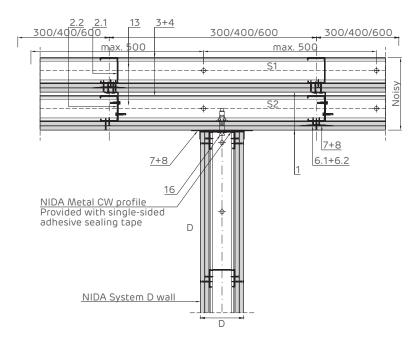
- 8 NIDA Profesional jointing plaster
- 200x40x40x2 mm corner iron Laid out vertically @ 500 mm
- Self-drilling 5.5x25 2 pcs./fastening
- Self-tapping screw 212xL3 + flat washer @500mm
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- Mineral wool
- NIDA Profesional corner protection profile
- NIDA Boardfix adhesive
- MOLLY @ 500 mm metal dowel
- Rigid (concrete) support

**WORK DETAILS** 110

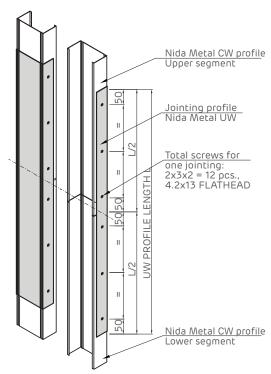
#### Three-sided enclosing of installations housing Horizontal section.



# Horizontal section: Crossing with NIDA System D distribution wall.

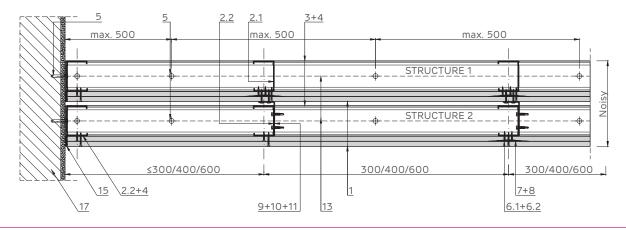


# Jointing detail of NIDA Metal CW single profiles.



Nº	NIDA Metal jointing profile	UW jointing profile length (mm)
1	UW 50	L=1000
2	UW 75	L=1500
3	UW 100	L=2000

### Horizontal section: Rigid jointing with sturdy item

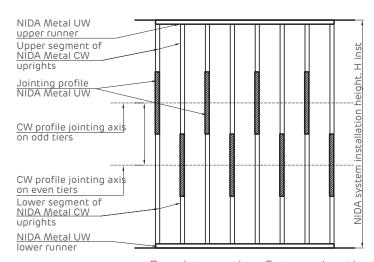




### Jointing detail of NIDA Metal CW double profiles.

# Nida Metal CW profile Upper - right segment Total screws for one jointing: 2x3x2 = 12 pcs. 4.2x13 FLAT HEAD Jointing profile NIDA Metal UW L = 100PROFILE LENGTH I $\leq$ Vertical STAGGERING MIN. Section S1 50 NIDA Metal CW profile Upper - left segment NIDA Metal CW profile Lower - right segment Total screws for one jointing: 2x3x2 = 12 pcs., 4.2x13 FLAT HEAD Jointing profile NIDA Metal UW NIDA Metal CW profile Lower - left segment

### NIDA Metal CW profile joint staggering System elevation.

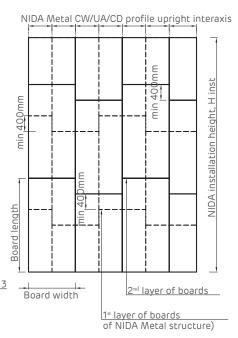


Board staggering. System elevation. Vertical and horizontal joints should be staggered to avoid overlap

# Self-drilling screws 2x3x2=12 pcs. 4,2x13 FLAT HEAD Jointing profile NIDA Metal UW L

# Section S2 Self-drilling screws 2x3x2=12 pcs 4,2x13 FLAT HEAD Jointing profile NIDA Metal UW L





		UW jointing profile length (mm)
1	UW 50	L=1000
2	UW 75	L=1500
3	UW 100	L=2000

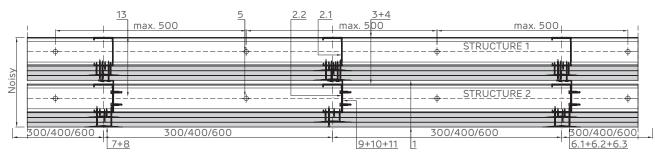
- 1 2x2 Siniat plasterboard
- NIDA Metal CW @ Structure 1 single upright
- NIDA Metal CW @ Structure 2 single upright
- NIDA Metal CW @ Structure 1 double upright
- NIDA Metal CW @ Structure 2 double upright
- NIDA Metal UW runner profile
- Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 300
- Jointing tape (\*2)

- 8 NIDA Profesional jointing plaster
- 200x40x40x2 mm corner iron Laid out vertically @ 500 mm
- Self-drilling 5.5x25 2 pcs./fastening
- Self-tapping screw 212xL3 + flat washer @500mm
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- Mineral wool
- NIDA Profesional corner protection profile
- NIDA Boardfix adhesive
- MOLLY @ 500 mm metal dowel
- Rigid (concrete) support

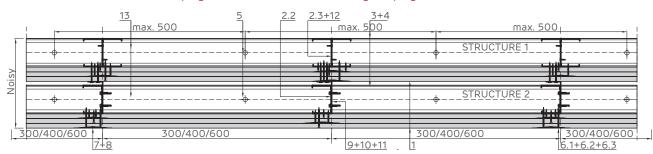
# NIDA System N.CW.I

Shaft-wall with NIDA System N.CW.I triple-layer lining inwards and outwards on NIDA Metal CW/UW independent double structure

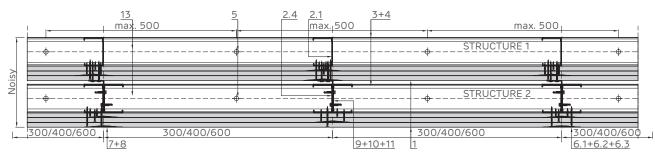
## Horizontal section: Single upright for Structure 1 and Structure 2



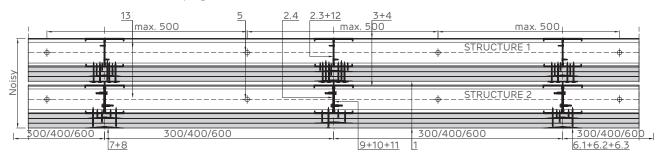
### Horizontal section: Double upright for Structure 1 and single upright for Structure 2



# Horizontal section: Single upright for Structure 1 and double upright for Structure 2



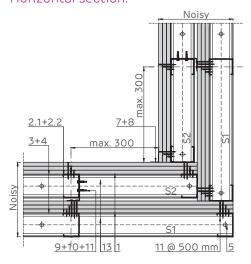
#### Horizontal section: Double upright for Structure 1 and Structure 2



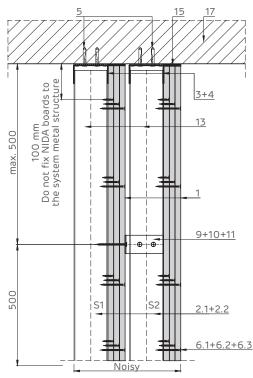




### 90° corner joint.. Horizontal section.

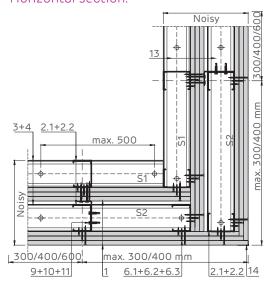


### Detailed attachment at the top on reinforced concrete members. Vertical section

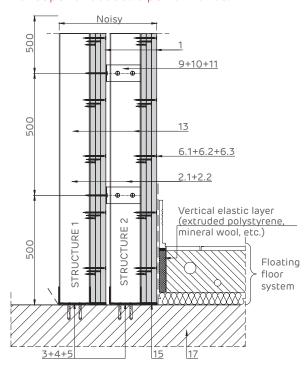


- 1 2x3 Siniat plasterboard
- 🗿 NIDA Metal CW @ Structure 1 single upright
- NIDA Metal CW @ Structure 2 single upright
- NIDA Metal CW @ Structure 1 double upright
- 2 NIDA Metal CW @ Structure 2 double upright
- NIDA Metal UW runner profile
- 4 Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 600
- 🚯 Self-tapping screw 212xL3 @ 300

### 270° corner joint.. H. inst < 6 m. Horizontal section.



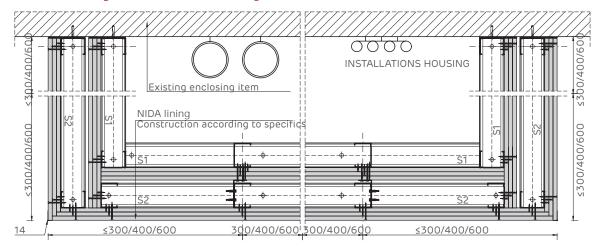
Detailed crossing with floating floor system. Vertical section at the bottom of the lining. For superior acoustic performance.



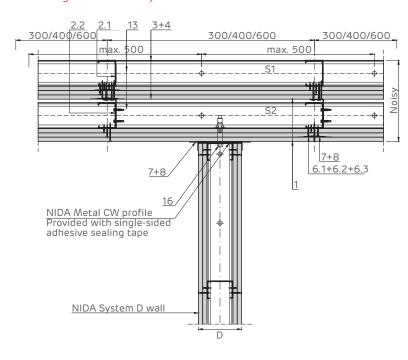
- 7 Jointing tape (\*2)
- NIDA Profesional jointing plaster
- $200x40x40x2\ mm$  corner iron Laid out vertically @ 500 mm
- Self-drilling 5.5x25 2 pcs./fastening
- Self-tapping screw 212xL4 + flat washer @500mm
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- Mineral wool
- 14 NIDA Profesional corner protection profile
- NIDA Boardfix adhesive
- MOLLY @ 500 mm metal dowel
- 17 Rigid (concrete) support

**WORK DETAILS** 114

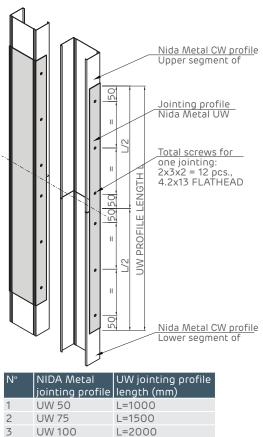
#### Three-sided enclosing of installations housing Horizontal section.



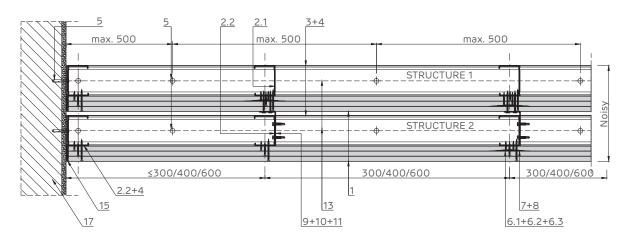
# Horizontal section: Crossing with NIDA System D distribution wall.



Jointing detail of NIDA Metal CW single profiles.



# Horizontal section: Rigid jointing with sturdy item





NIDA system installation height, H inst

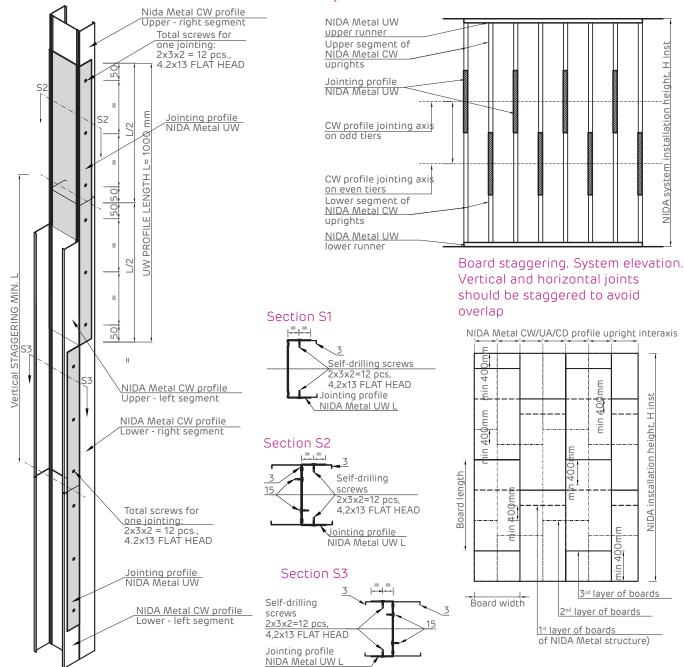
H inst

installation height,

NIDA

#### Jointing detail of NIDA Metal CW double profiles.

#### NIDA Metal CW profile joint staggering System elevation.



N°	NIDA Metal jointing profile	UW jointing profile length (mm)
1	UW 50	L=1000
2	UW 75	L=1500
3	UW/ 100	1=2000

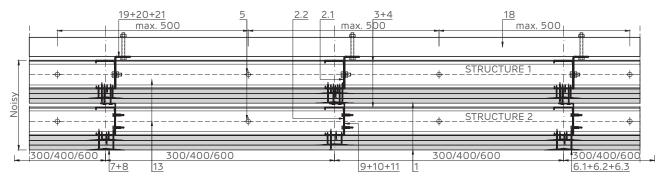
- 2x3 Siniat plasterboard
- NIDA Metal CW @ Structure 1 single upright
- NIDA Metal CW @ Structure 2 single upright
- NIDA Metal CW @ Structure 1 double upright
- NIDA Metal CW @ Structure 2 double upright
- 3 NIDA Metal UW runner profile
- Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- Self-tapping screw 212xL1 @ 600
- Self-tapping screw 212xL2 @ 600
- Self-tapping screw 212xL3 @ 300

- 7 Jointing tape (\*2)
- NIDA Profesional jointing plaster
- 200x40x40x2 mm corner iron Laid out vertically @ 500 mm
- Self-drilling 5.5x25 2 pcs./fastening
- Self-tapping screw 212xL4 + flat washer @500mm
- 2 Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- Mineral wool
- NIDA Profesional corner protection profile
- NIDA Boardfix adhesive
- MOLLY @ 500 mm metal dowel
- 17 Rigid (concrete) support

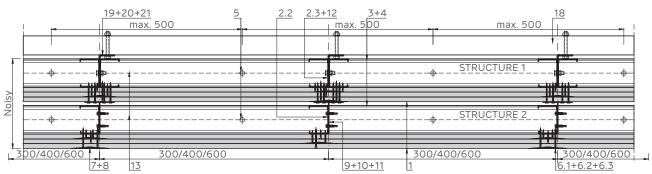
# NIDA System N.CW.F

NIDA System Noisy triple-layer lining inwards and outwards with N.CW.F intermediate fixing on NIDA Metal CW/UW double sructure

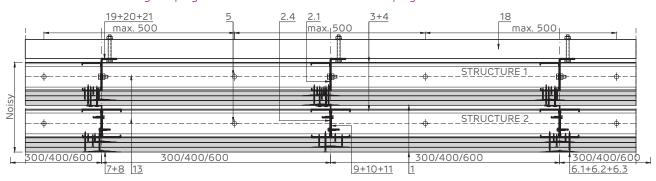
## Horizontal section: Single upright for Structure 1 and Structure 2



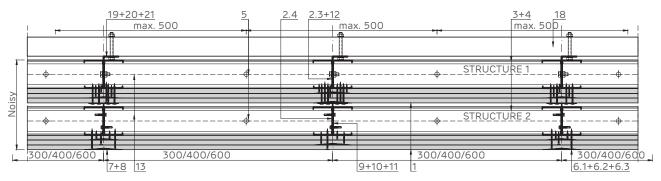
# Horizontal section: Double upright for Structure 1 and single upright for Structure 2



#### Horizontal section: Single upright for Structure 1 and double upright for Structure 2

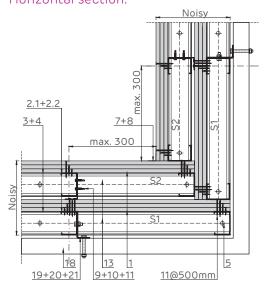


# Horizontal section: Double upright for Structure 1 and Structure 2

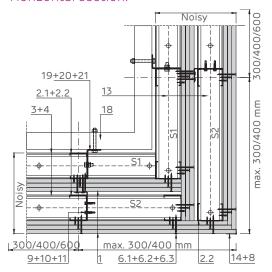




### 90° corner joint.. Horizontal section.



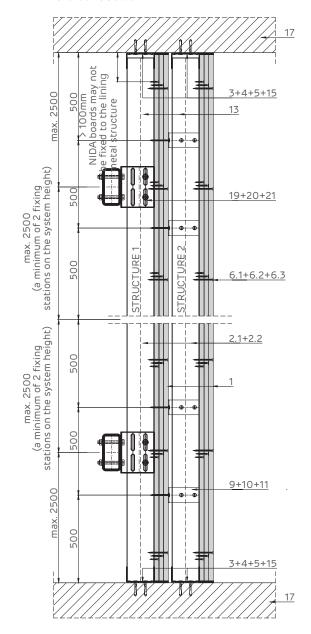
### 270° corner joint.. H. inst < 6 m. Horizontal section.



- 1 2x3 Siniat plasterboard
- 🗿 NIDA Metal CW @ Structure 1 single upright
- NIDA Metal CW @ Structure 2 single upright
- 🔼 NIDA Metal CW @ Structure 1 double upright
- 2 NIDA Metal CW @ Structure 2 double upright
- NIDA Metal UW runner profile
- Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- Self-tapping screw 212xL1 @ 600
- 🔂 Self-tapping screw 212xL2 @ 600
- 🔂 Self-tapping screw 212xL3 @ 300
- Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster

# Fastening detail at the system bottom and top.

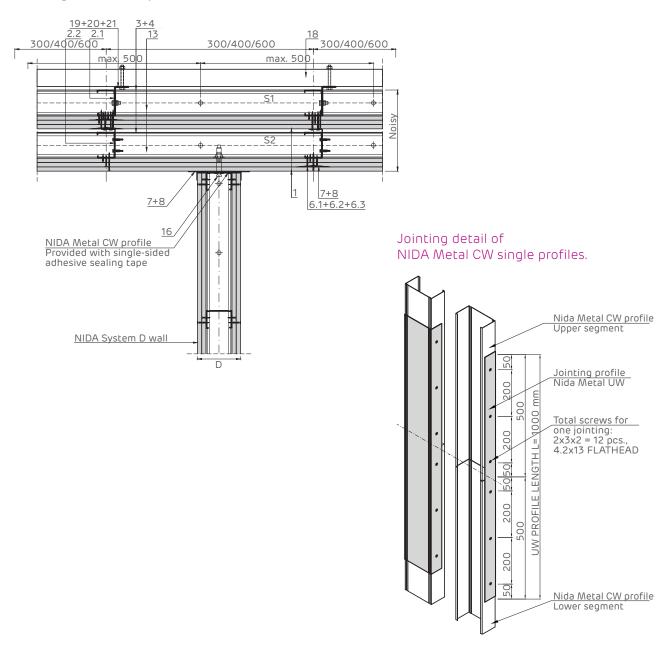
#### Vertical section



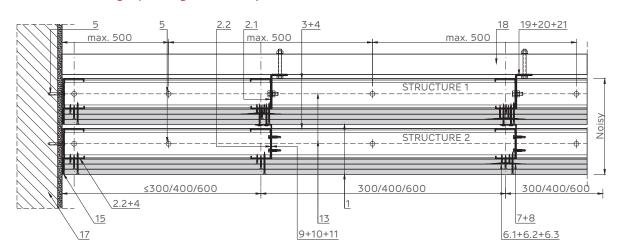
- 200x40x40x2 mm corner iron Laid out vertically @ 500 mm
- Self-drilling 5.5x25 2 pcs./fastening
- Self-tapping screw 212xL4 + flat washer @500mm
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- Mineral wool
- NIDA Profesional corner protection profile
- NIDA Boardfix adhesive
- MOLLY @ 500 mm metal dowel
- Rigid (concrete) support
- Intermediate horizontal beam of the building structure
- NIDA Metal angle 2 mm
- Mechanical fixing (\*1) 2 pcs/attachment
- M8 screws 2 pcs/attachment

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## Horizontal section: Crossing with NIDA System D distribution wall.



### Horizontal section: Rigid jointing with sturdy item

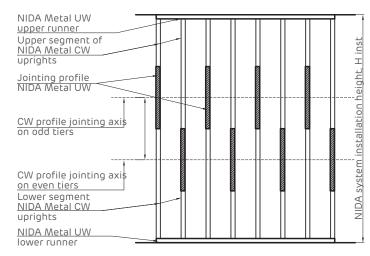




### Jointing detail of NIDA Metal CW double profiles.

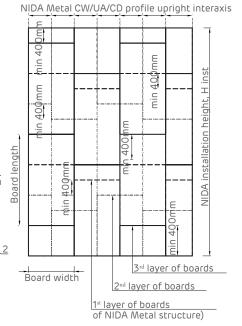
# Nida Metal CW profile Upper - right segment Total screws for one jointing: 2x3x2 = 12 pcs., 4.2x13 FLAT HEAD Jointing profile NIDA Metal UW 200 PROFILE LENGTH NIDA Metal CW profile Upper - left segment NIDA Metal CW profile Lower - right segment Total screws for one jointing: 2x3x2 = 12 pcs.,4.2x13 FLAT HEAD Jointing profile NIDA Metal UW NIDA Metal CW profile Lower - left segment

# NIDA Metal CW profile joint staggering System elevation.

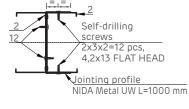


#### Section S1

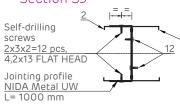
|=|=| Self-drilling screws 2x3x2=12 pcs 4,2x13 FLAT HEAD Jointing profile NIDA Metal UW L=1000 mm Board staggering. System elevation. Vertical and horizontal joints should be staggered to avoid overlap



#### Section S2



# Section S3

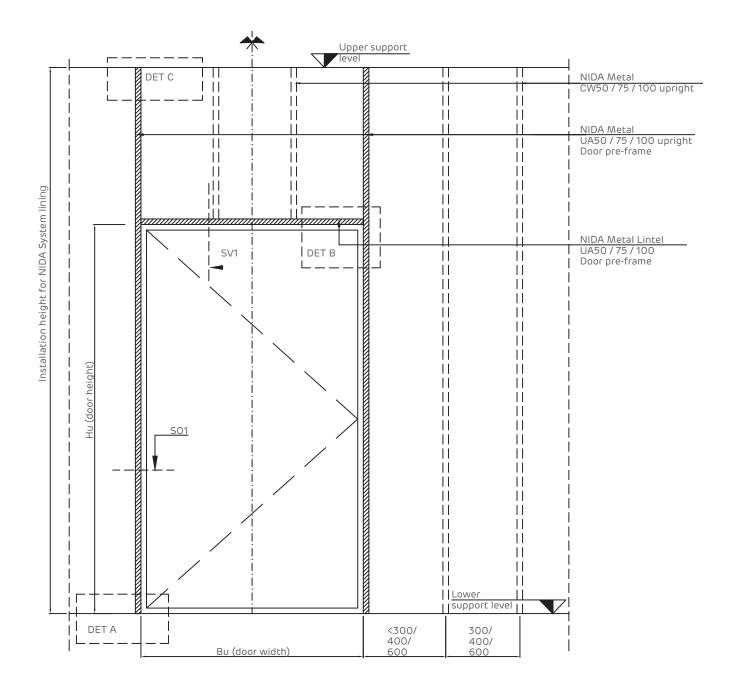


- 2x3 Siniat plasterboard
- NIDA Metal CW @ Structure 1 single upright
- NIDA Metal CW @ Structure 2 single upright
- NIDA Metal CW @ Structure 1 double upright
- NIDA Metal CW @ Structure 2 double upright
- NIDA Metal UW runner profile
- Single-sided sealing tape
- Mechanical fixing Max. pitch 500 mm (\*1)
- Self-tapping screw 212xL1 @ 600
- 62 Self-tapping screw 212xL2 @ 600
- 6.3 Self-tapping screw 212xL3 @ 300
- 7 Jointing tape (\*2)
- 8 NIDA Profesional jointing plaster

- 9 200x40x40x2 mm corner iron Laid out vertically @ 500 mm
- Self-drilling 5.5x25 2 pcs./fastening
- 11 Self-tapping screw 212xL4 + flat washer @500mm
- Self-drilling screw 4.2x13 FLAT HEAD in zigzag@500mm
- 13 Mineral wool
- MIDA Profesional corner protection profile
- NIDA Boardfix adhesive
- 16 MOLLY @ 500 mm metal dowel
- Rigid (concrete) support
- Intermediate horizontal beam of the building structure
- 19 NIDA Metal angle 2 mm
- Mechanical fixing (\*1) 2 pcs/attachment
- 21 M8 screws 2 pcs/attachment

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NIDA System - Door Pre-Frame NIDA Metal UA 50 / 75 / 100 Structure Elevation of partition wall structure and door pre-frame

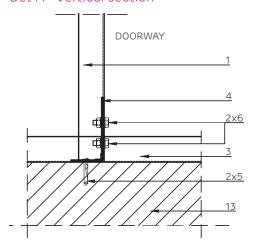




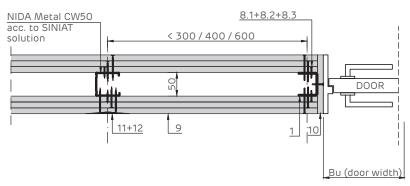


# NIDA System - Door Pre-Frame NIDA Metal UA50 Structure

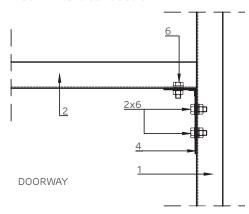
Det A - Vertical section



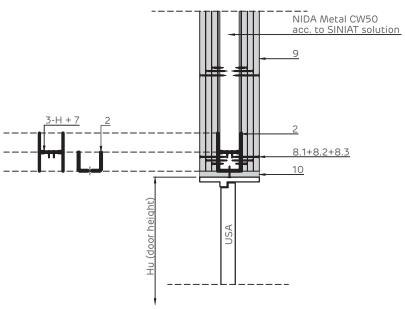
S01.horizontal section



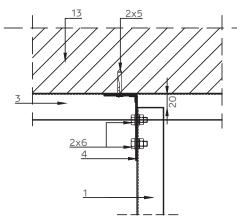
Det B - Vertical section



Horizontal section SV1.



Det C - Vertical section

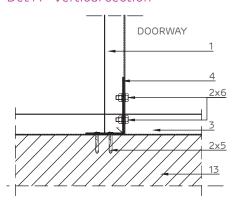


- (iii) The best performing wallboard with superior fire resistance should be chosen.
  - Example: If the wall is composed of NIDA Standard 12.5 mm and NIDA Flam 12.5 mm, NIDA Flam 12.5 mm should be chosen.

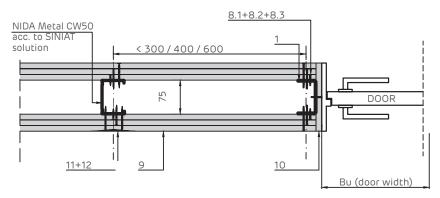
- 1 NIDA Metal UA50 upright Door pre-frame
- 2 NIDA Metal UA50 lintel Door pre-frame
- 3 NIDA Metal UW50 runner profile
- 4 Angle bracket for UA50
- Metal dowel / Conexpand (\*1)
- 6 M8 screw with washer and nut
- 7 Self-drilling screws 4.2x13 FLAT HEAD
- 8. Self-drilling screw 221x25 @ 600
- 8.2 Self-drilling screw 221x45 @ 600
- 83 Self-drilling screw 221x55 @ 300
- 9 1/2/3 x Siniat plasterboard
- 10 Siniat board strip (iii)
- MIDA Profesional jointing plaster
- 12 Fiberglass tape
- (Reinforced concrete) bearing support

# NIDA System - Door Pre-Frame NIDA Metal UA75 Structure

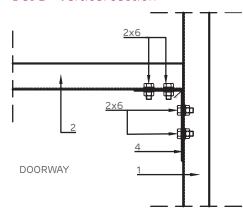
#### Det A - Vertical section



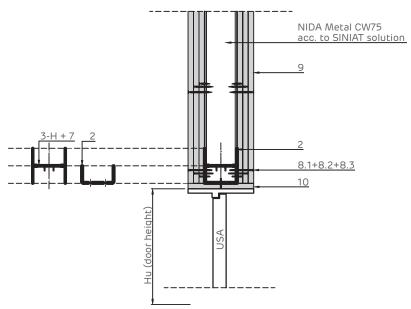
### S01.horizontal section



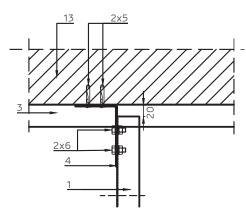
Det B - Vertical section



Horizontal section SV1.



Det C - Vertical section



(iii) The best performing wallboard with superior fire resistance should be chosen. Example: If the wall is composed of NIDA Standard 12.5 mm and NIDA Flam 12.5 mm, NIDA Flam 12.5 mm should be chosen.

- NIDA Metal UA75 upright Door pre-frame
- NIDA Metal UA75 lintel Door pre-frame
- NIDA Metal UW75 runner profile
- Angle bracket for UA75
- Metal dowel / Conexpand (\*1)
- M8 screw with washer and nut
- Self-drilling screws 4.2x13 FLAT HEAD
- Self-drilling screw 221x25 @ 600
- Self-drilling screw 221x45 @ 600
- Self-drilling screw 221x55 @ 300
- 1/2/3 x Siniat plasterboard
- Siniat board strip (iii)
- NIDA Profesional jointing plaster
- Fiberglass tape
- (Reinforced concrete) bearing support

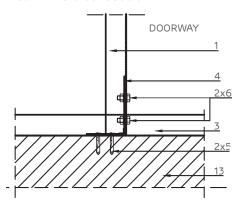




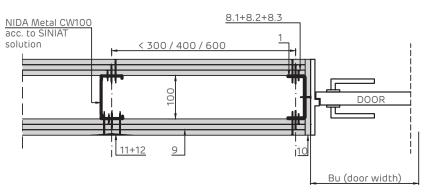


# NIDA System - Door Pre-Frame NIDA Metal UA100 Structure

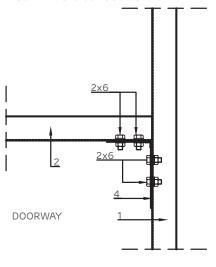
#### Det A - Vertical section



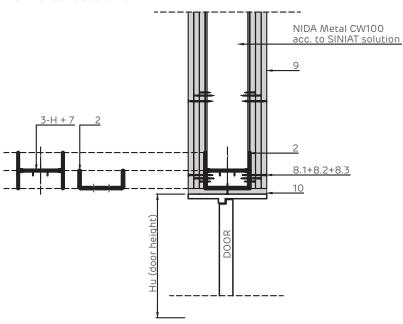
#### S01.horizontal section



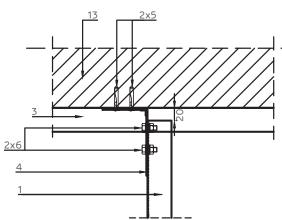
Det B - Vertical section



#### Horizontal section SV1.



Det C -Vertical section.



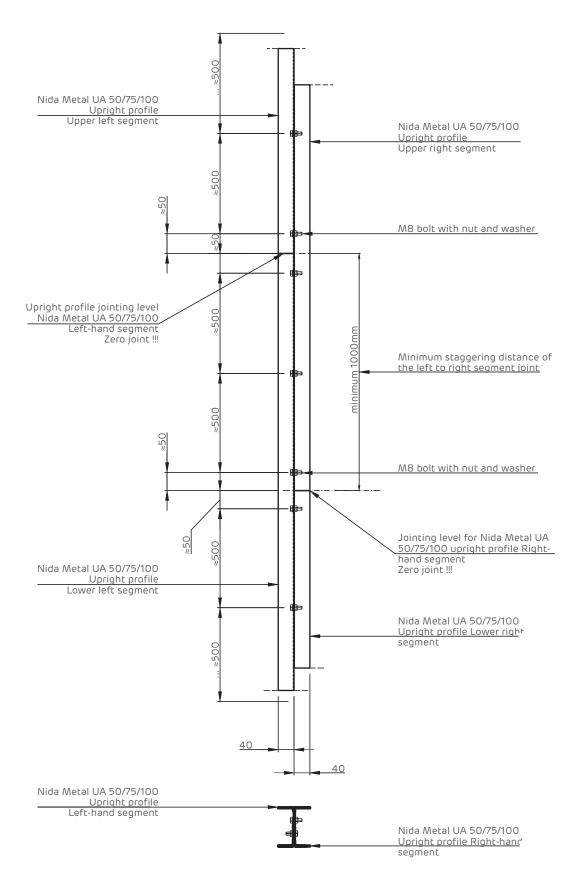
(iii) The best performing wallboard with superior fire resistance should be chosen. Example: If the wall is composed of NIDA Standard 12.5 mm and NIDA Flam 12.5 mm, NIDA Flam 12.5 mm should be chosen.

- NIDA Metal UA 100 upright Door pre-frame
- NIDA Metal UA 100 lintel Door pre-frame
- NIDA Metal UW 100 runner profile
- Angle bracket for UA100
- Metal dowel / Conexpand (\*1)
- M8 screw with washer and nut
- Self-drilling screws 4.2x13 FLAT HEAD
- Self-drilling screw 221x25 @ 600
- Self-drilling screw 221x45 @ 600
- Self-drilling screw 221x55 @ 300
- 1/2/3 x Siniat plasterboard
- Siniat board strip (iii)
- NIDA Profesional jointing plaster
- Fiberglass tape
- (Reinforced concrete) bearing support

**WORK DETAILS** 124

# NIDA System - UA50/75/100 profile jointing details

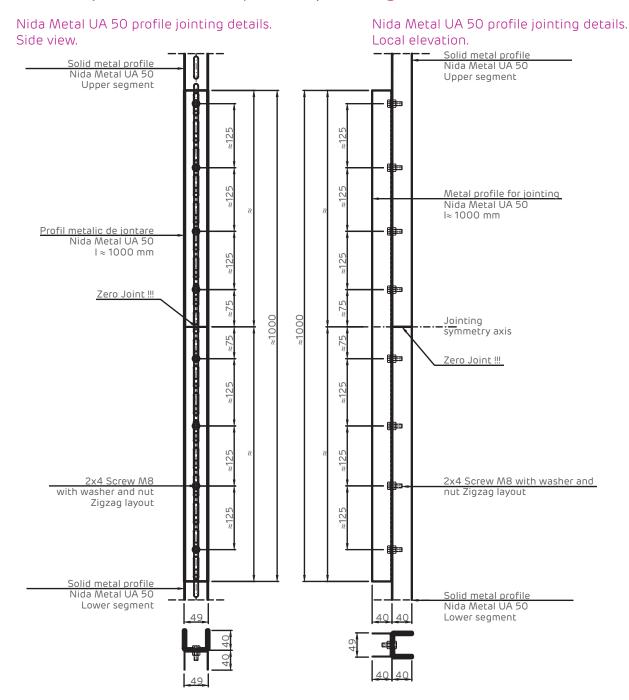
Jointing details for NIDA Metal UA50/75/100-H double upright profiles Local elevation.



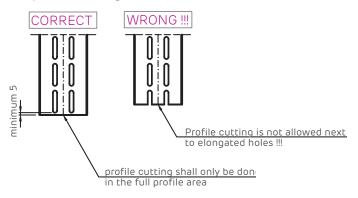




# NIDA System - UA50 profile jointing details

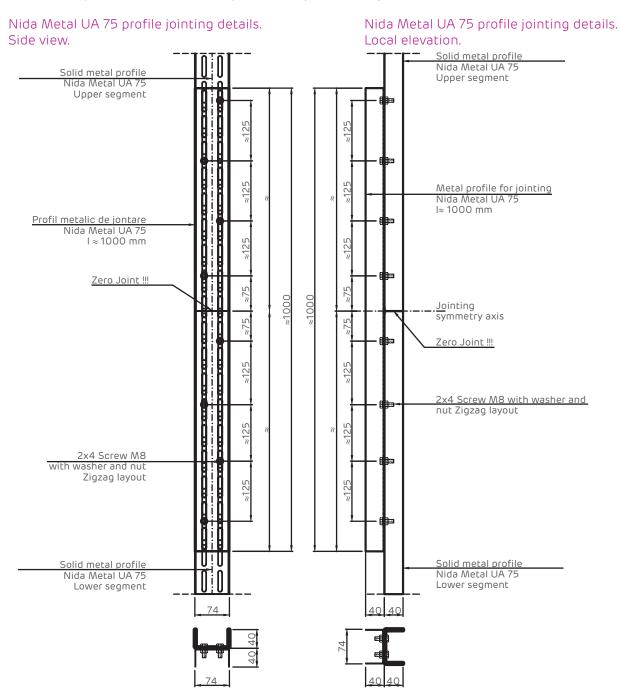


### UA profile cutting method.

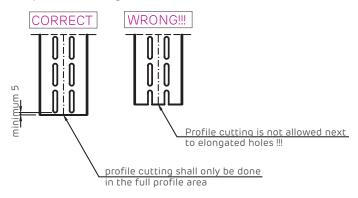


**WORK DETAILS** 126

# NIDA System - UA75 profile jointing details



### UA profile cutting method.

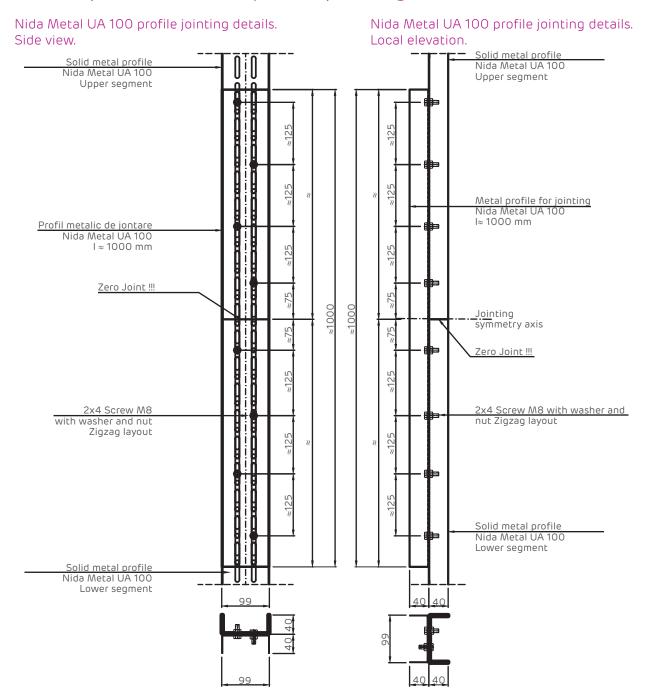




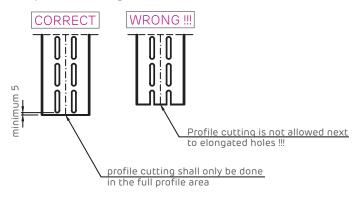




# NIDA System - UA100 profile jointing details



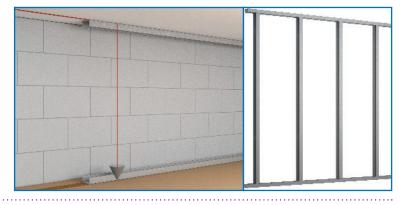
### UA profile cutting method.



# Stage 1: Marking and mounting the metal structures

### Step 1

Mark out the position of the UW/UD runners on the floor, taking into account the thickness and number of plasterboards to be set up.



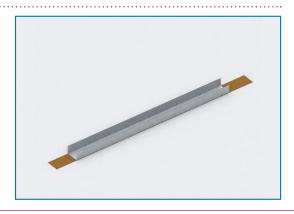
#### Step 2

Cut the CW/CD uprights to a length 10 mm less than the distance between the floor and the ceiling



## Step 3

Apply sealing tape to the runner profile to improve the acoustic properties.

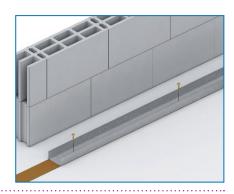




Fix the runner profile to the floor and anchor it by one of the following methods:

- · Mechanically at 50 cm pitch with dowel screws;
- Bonding if the substrate is clean and smooth;
- Dowel driving

Only non-combustible or fire certified fasteners (e.g. metal dowel, mechanical anchor, etc.) shall be used for fire resistant systems.



#### Step 5

Mark the position of the upright profiles inside the runners (at 60, 40 or 30 cm intervals as appropriate) on both the floor and the ceiling.



# Stage 2: Mounting of uprights and intermediate fasteners (adjustable clamps / Corner irons)

#### Step 1

#### Applies only to NIDA System T.CD and T.CW.F type systems

Mark the locations of the intermediate fasteners on the supporting wall. They are fixed to the supporting element using metal dowels.

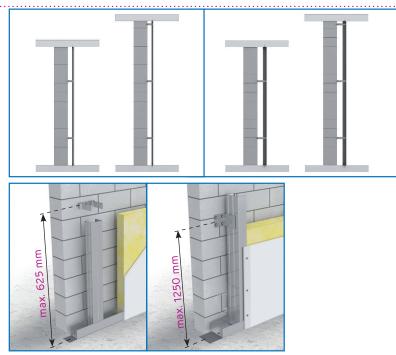


#### Step 2

#### Applies only to NIDA System T.CD and T.CW.F type systems

The maximum distances between the fasteners, clamp or corner irons at the ends of the uprights towards the floor and ceiling respectively must not exceed the values of: 625 mm in the case of clamps with CD profiles and 1250 mm in the case of corner irons with CW profiles.

A minimum of two fasteners (clamp or corner iron) must be used per upright (CD or CW profile).



#### Step 3

Mounting of vertical uprights

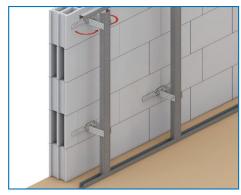


#### Step 4

#### Applies only to NIDA System T.CD type systems

Adjustable clamps:

Place the vertical uprights inside the adjustable metal clamps. Slightly tilt the upright profile when inserting it into the runner. Bring the adjustable clamp arms into position and fix them to the upright profile using the selfdrilling screws;

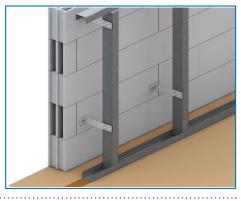


#### Step 5

#### Applies only to NIDA System T.CW.F type systems

Corner irons:

Cut the wing of the corner iron to the desired length. Insert the upright profile into the runner and position it next to the corner iron. Secure with self-drilling screws.



# Step 6

After fixing the uprights to the intermediate fasteners, check the flatness and verticality of the metal structure thus created using specific tools (water level)







# Stage 3: Thermal and sound insulation

### Step 1

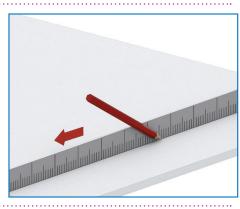
- · Position the glass wool insulation layer between the supporting wall and the metal structure before fixing the plasterboards.
- · Lay electrical wiring and any installations



# Stage 4: Cut-out of NIDA plasterboards

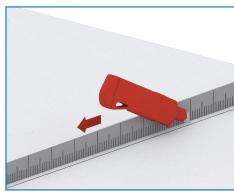
#### Step 1

Using the pencil and metal ruler, mark the part to be cut out



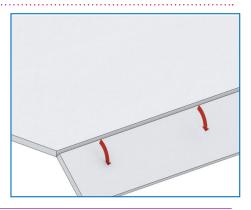
#### Step 2

Cut the cardboard from the face of the board with a retractable knife guided by a metal ruler



### Step 3

Tear the board by applying a short stroke



#### Step 4

Cut the cardboard from the opposite side.



# Stage 5: Mounting of NIDA plasterboards

#### Step 1

Position the boards in a vertical position, glued to the uprights and secured up to the ceiling. If it is necessary to cut out the electrical sockets, it is advisable to do this before mounting the boards, using a pendulum saw.



#### Step 2

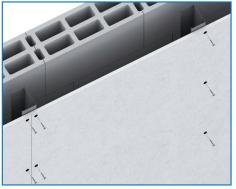
Fix the boards to the metal profiles using NIDA System screws:

- The vertical distance between them should be 300 mm maximum, the recommended distance is 250 mm;
- The distance to the edge of the board should be 10 mm;
- Fix to both upright and runner profiles, screwing from bottom to top at constant intervals.



# Step 3

If several layers of boards are installed, the first layers of boards starting from the metal structure are installed with screws at a maximum distance of 60 cm and the last layer with screws at 25-30 cm.





# Fitting the metal structure for door pre-frames

#### Step 1

Attach a corner bracket for the UA to the end of the UW runner profile mounted on the floor and ceiling. It is fixed by means of mechanical fasteners



#### Step 2

Position the UA upright profile that will form the door pre-frame and fix it to the previously mounted corners with two M8 screws, both at the bottom and top.



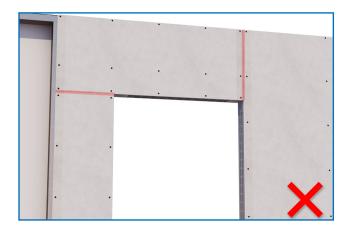
### Step 3

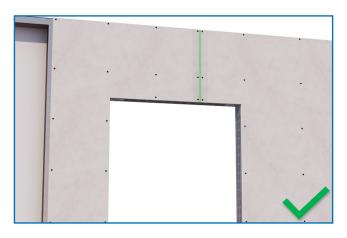
Mark on the AU uprights the position at which the horizontal profile is to be mounted at the top. Fit two UA corner brackets with one wing downwards and fix them to the upright profiles with two M8 screws each. The UA profile is to be mounted onto these two corner brackets and secured to them with two M8 screws.



# Correct plasterboard lining in the doorway area

In the doorway area, in order to avoid cracks at the joints, the plasterboards should be installed in such a way that there is no horizontal or vertical joint between the boards in continuation of the doorway sides.







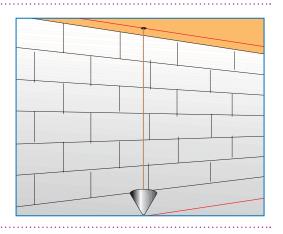
# Stage 1: Mark out the lining

### Step 1

Mark out the locations of the boards on the slab taking into account the thickness of the lining.

In the case of old surfaces, check the adhesion conditions by removing the existing plaster that "sounds", degreasing and washing the surfaces thoroughly.

If the surfaces are already covered with wet plaster, it is necessary to clean the entire surface or at least in the area of the bonding points.



# Stage 2: Preparation of NIDA Boardfix adhesive plaster

# Step 1

Pour water into a clean pot according to the dosage indicated on the NIDA Boardfix adhesive plaster bag.



# Step 2

Sprinkle the adhesive plaster powder into the water (see quantities indicated on the bag).









## Step 3

Mix until you have a homogeneous and consistent

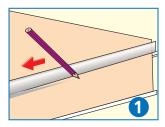


Mixing must be done in a perfectly clean plastic or rubber pot and the water must be clean and come from, for example, the drinking water supply. The temperature of the water and the environment must be above 5°C. NIDA Boardfix adhesive plaster should be prepared according to the instructions on the back of the bag and in the data sheet.

# Stage 3: Cutting out NIDA plasterboards

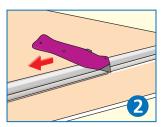
#### Step 1

Using the pencil and metal ruler, mark the part to be cut out.



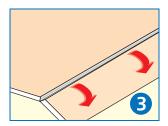
#### Step 2

Cut the cardboard from the face of the board with a retractable knife guided by a metal ruler.



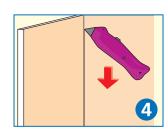
#### Step 3

Tear the board by applying a short stroke.



#### Step 4

Cut the cardboard from the other side.



# Stage 4: Bonding of NIDA plasterboards

### Step 1

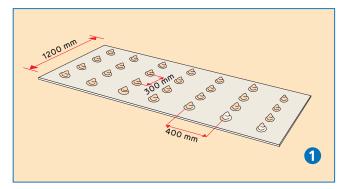
#### New walls

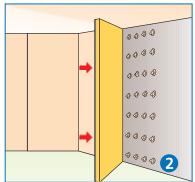
Apply the adhesive plaster as "dots on lines" on the boards or directly on the walls 2 (10 dots of 100 mm/m2  $\phi$ diameter).

#### Old walls

Apply the adhesive plaster to the wall after first smoothing and priming the existing wall.

NIDA Boardfix adhesive plaster consumption				
SUPPORT TYPE	kg/m²			
Raw concrete	1.50 - 2.00			
Brickwork	2.00 - 2.50			
Uneven renders 1÷ 2 cm	2.50 - 3.00			



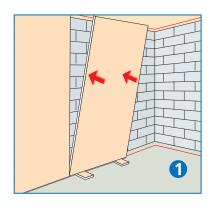


# Stage 5: Mounting of NIDA plasterboards

#### Step 1

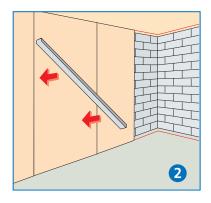
Position 2 plasterboard strips 10 mm thick at the base of the wall and place the board vertically.

Press the board firmly against the backing wall until you reach the marks drawn previously.



## Step 1

Check the flatness of the surfaces obtained by making the necessary corrections







# General considerations

- The method of fixing Siniat's NIDA plasterboard system to the structure of the building, at the bottom, top and sides, will be chosen in consultation with the specialist designer of the work. The mechanical fixing (connections) will be sized taking into account the nature of the supporting material (plain concrete, reinforced concrete, screeds, metal structures, wood...), the maximum effective forces computed in accordance with the legislation in force, the load-bearing capacities of the chosen fixing elements and the mounting possibilities. In the case of fire-resistant systems, only steel fasteners should be used.
- The fixing methods shown in the Siniat documentation are for illustrative purposes only. Wrong choice of fixing methods is likely to significantly affect the performance of the plasterboard system.
- The maximum recommended heights of partitioning systems, walls, take into account a H/240 maximum allowable deformation:
- The plasterboard systems should be configured by the specialist designer who must take into account the specifics of the project (heights, location, wind pressure, fire resistance, sound insulation, etc.).
- The construction solutions presented herein are given as examples. The works will only be carried out with the
  agreement of the specialist designer of the works, following their adaptation to the specific characteristics of the
  project.
- The final construction solutions to be implemented during construction will be submitted for verification and approval to the project verifiers.
- Penetration of fire-resistant systems shall be avoided as closely as possible. Penetration means any joint or gap
  that passes partially or completely through the plasterboard system. If such a solution is nevertheless required, we
  recommend treating them with materials that meet the essential requirements of the system (fire resistance, acoustic
  performance...) and the project specifications. Final solutions dealing with such situations will be submitted for
  verification and endorsement to the project verifiers.
- NIDA Metal UW runner profiles will be fixed to the supporting structure (floor slab, floor, concrete/metal pillars/beams, roof structure, etc.) by means of fasteners arranged at 500 mm pitch (mechanical fixing) or by other mutually agreed methods in case of special details.
- For high acoustic performance we recommend filling the structural cavity of plasterboard systems with mineral wool. We recommend consulting a specialist (engineer, architect, etc.) for the implementation of technical solutions in projects.
- The structural joints of the building must also be maintained in the finishes, where the structural conformity of plasterboard systems must allow one side to slide independently of the other. The size of the joints shall be greater than the maximum deformation that may occur in the structure.
- In the case of walls longer than 15 m, vertical expansion joints should be provided at 10 m intervals.
- In case of deformations of structural elements (ceiling, columns, anchor beams, etc.) a sliding joint between the plasterboard system and the structural element should be implemented. For this detail, please refer to SINIAT Technical Assistance Department.
- The recommendations for joint treatment are a code of good practice and do not completely rule out the risk of
  cracking, which can be influenced by external factors such as vibration, wide temperature variations to which the
  plasterboard system is exposed, etc.
- The average quantities given in the documentation are indicative and represent an estimate of the system's material requirements per square metre. The loss coefficient is not included in the calculation, as it will be determined by the builder according to the specific characteristics of the work.
- The declared performances of the systems/products are obtained using only SINIAT products.
- The information should always be used by adapting the systems to the specifics of the project.
- Errors may occur in the technical documentation as a result of the editing and printing process. We strive for zero errors. We are grateful for any suggestions for improving this documentation and we look forward to hearing from you at: office@siniat.com.
- The indications contained in the presentation materials do not exempt the buyer or seller from verifying on their own responsibility the conformity of the scope of the product or system on site.
- Modifications, edits and photocopies of the documentation require SINIAT written approval and SINIAT accepts no liability for the consequences of their use.
- It is recommended that the mounting of SINIAT plasterboard systems be carried out only by specialised personnel trained by the manufacturer.
- The work safety rules must be strictly observed when setting up SINIAT plasterboard systems.
- The information presented inthis brochure is based on laboratory tests, calculations and technical estimates.
   Information may be changed and updated without prior notice. Check the current version by visiting www.siniat.ro section "Documentation".

#### Contact



# Croatia Bosnia and Herzegovina

Milenko Dadić - SALES MANAGER +385 (0)99 20 28 000 milenko.dadic@etexgroup.com

**Igor Jakšić** - SALES REPRESENTATIVE +385 (0)91 40 30 165 igor.jaksic@etexgroup.com

**Mario Stjepanović** - TECHNICAL REPRESENTATIVE +385 (0)91 20 00 153 mario.stjepanovic@etexgroup.com

#### Office

Podružnica Zagreb Kovinska 4a, 10090 Zagreb, Croatia +385 1 3496 324

+ 385 1 3794 154 siniat.hr@etexgroup.com

# Slovenia

**Milenko Dadić** - SALES MANAGER +385 (0)99 20 28 000 milenko.dadic@etexgroup.com

**Mohor Lotrič** - SALES REPRESENTATIVE +386 4 29 27 142 mohor.lotric@etexgroup.com

#### Office

Kidričeva 56b4220 Škofja Loka, Slovenia +386 4 51 51 451 +386 4 51 51 450 siniat.si@etexgroup.com

### General contact information

Romania (central)
Etex Building Performance S.A.

Str. Vulturilor 98, et. 5-6, code 030857, Sector 3, Bucharest +40 312 240 100 siniat.ro@etexgroup.com



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Str. Vulturilor nr. 98, et. 5-6 sector 3, Bucharest Tel.: (+4) 031 224 01 00 siniat.ro@etexgroup.com



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