

Aluminium support system for rainscreen cladding

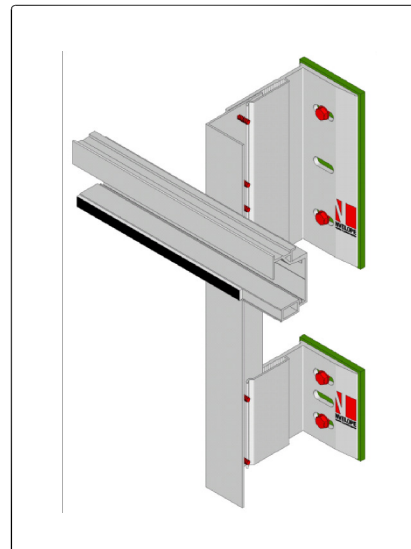
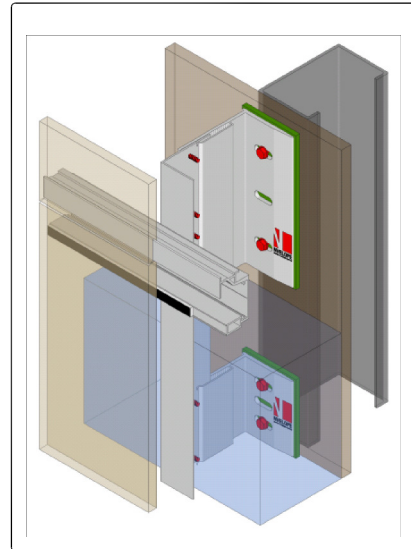
NV5 NVELOPE SYSTEM TRESPA TS300 SYSTEM

LEGEND:

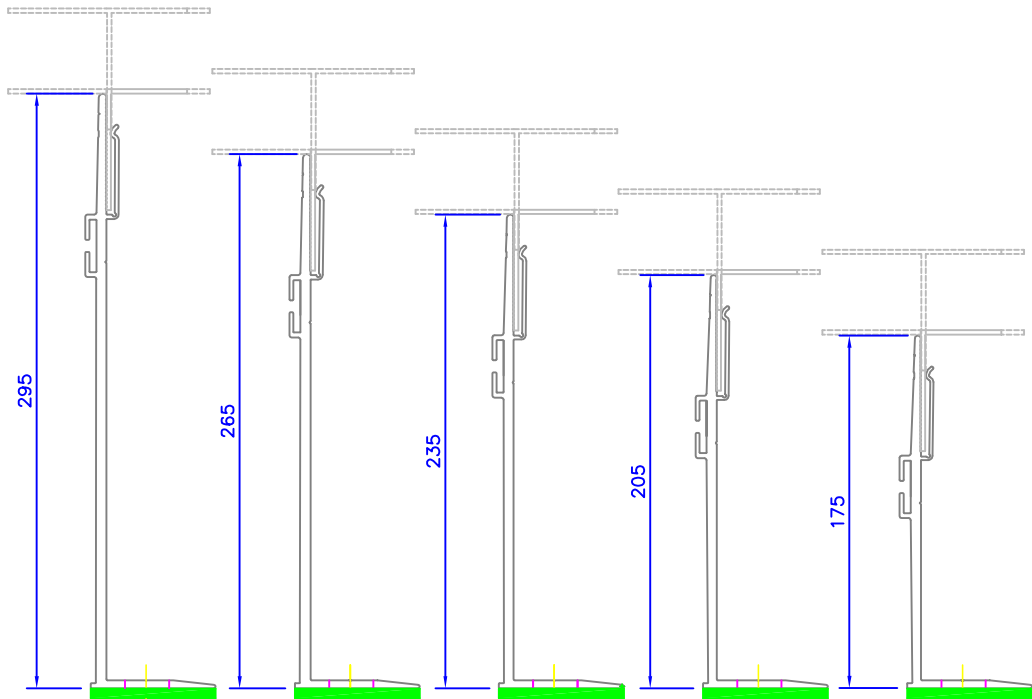
- A - cladding
- B - joint profile
- C - clamp
- D - corner-profile
- F - window profile
- 1 - Wall
- 2 - NVELOPE - support bracket
- 3 - Stainless steel fixing
- 4 - Vertical timber
- 5 - Self drilling stainless steel screw SR2 4.2 x 16
- 6 - Vertical Timber Batten
- 7 - Thermal insulation
- 8 - Ventilation
- 9 - Timber carrier
- 10 - NVELOPE Thermal isolator
- 11 - Timber fixing screw

CONTENTS:

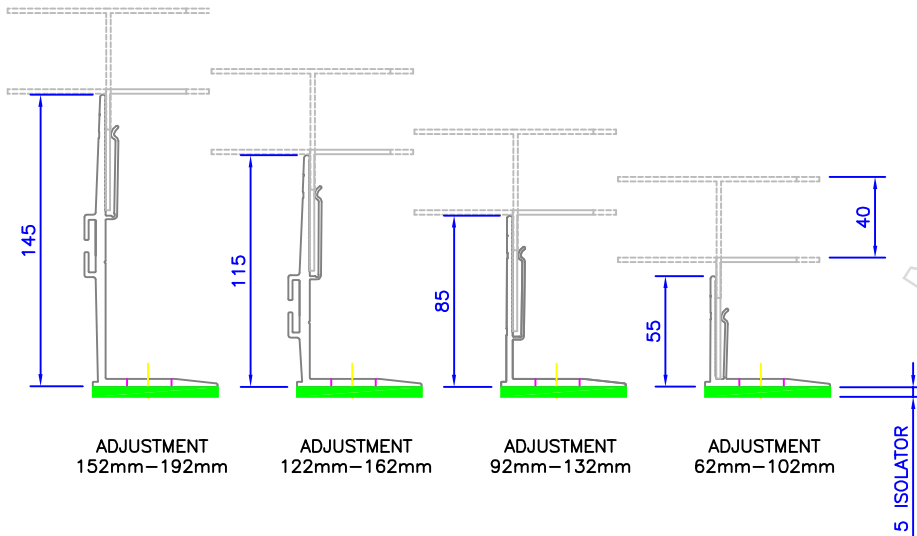
NV5-01	Tolerances for Bracket Adjustment
NV5-02	Cladding View Locations
NV5-03	TS300 Profile Detail
NV5-04	Trespa Machining Details
NV5-05A	Horizontal Section Board Joint
NV5-05B	Horizontal Section Board Joint
NV5-06	Vertical Section Movement Joint
NV5-07A	Vertical Joint
NV5-07B	Vertical Joint
NV5-08	Vertical Section at Base
NV5-09	Vertical Section Parapit
NV5-10	Vertical Section Window sill
NV5-11	Horizontal Section Window Reveal with Trespa
NV5-12	Horizontal Section Window Reveal with trim
NV5-13A	Vertical Section Window head Detail (version A)
NV5-13B	Vertical Section Window head Detail (version B)
NV5-13C	Vertical Section Window head Detail (version C)
NV5-14	Horizontal Section Rail Positions
NV5-15	Horizontal Section Internal Corner
NV5-16	Horizontal Section External Corner



System:- NV5 (TS300 System)



ADJUSTMENT 302mm-342mm ADJUSTMENT 272mm-312mm ADJUSTMENT 242mm-282mm ADJUSTMENT 212mm-252mm ADJUSTMENT 182mm-222mm

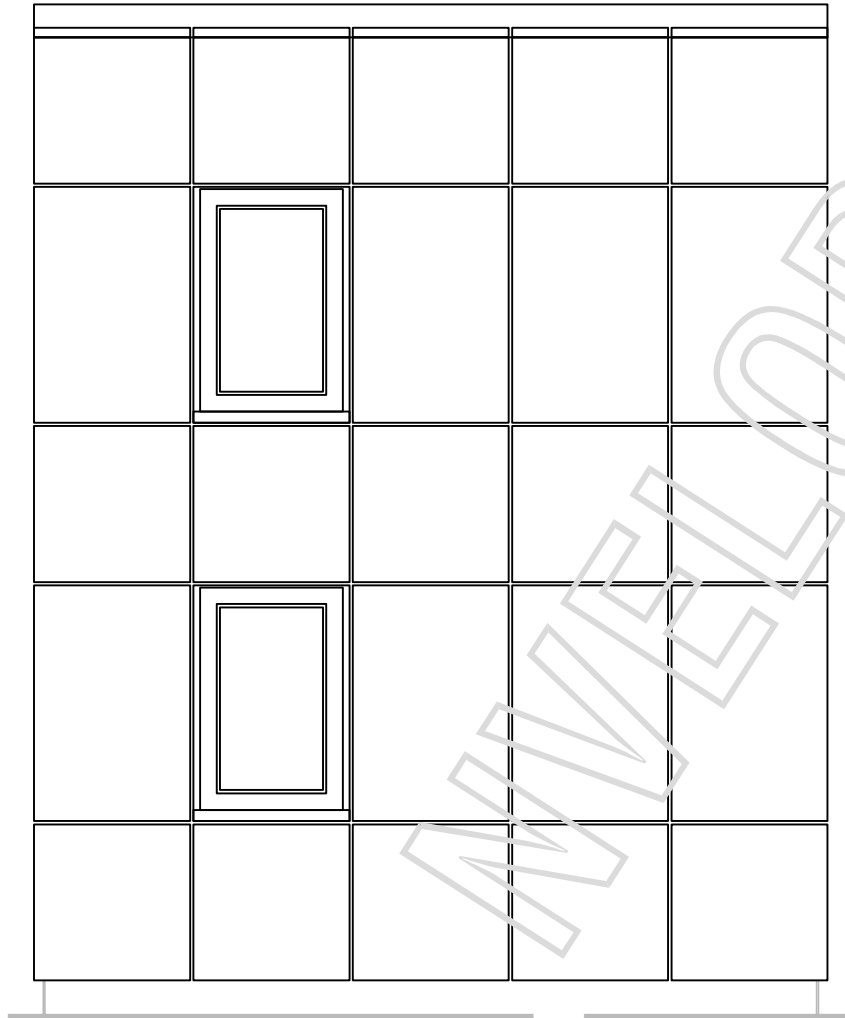


ADJUSTMENT 152mm-192mm ADJUSTMENT 122mm-162mm ADJUSTMENT 92mm-132mm ADJUSTMENT 62mm-102mm

BRACKETS	Adjustment range for each bracket (mm)	
Nvelope 60	from 62	to 102
Nvelope 90	from 92	to 132
Nvelope 120	from 122	to 162
Nvelope 150	from 152	to 192
Nvelope 180	from 182	to 222
Nvelope 210	from 212	to 252
Nvelope 240	from 242	to 282
Nvelope 270	from 272	to 312
Nvelope 300	from 302	to 342

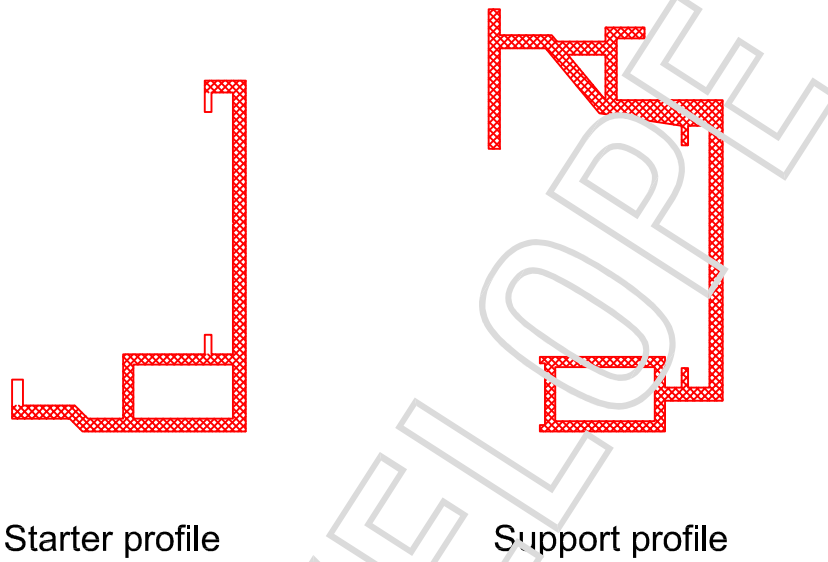
HORIZONTAL SECTIONS
TOLERANCES FOR ADJUSTMENT

System:- NV5 (TS300 system)



View of Cladding

System:- NV5 (TS300 system)

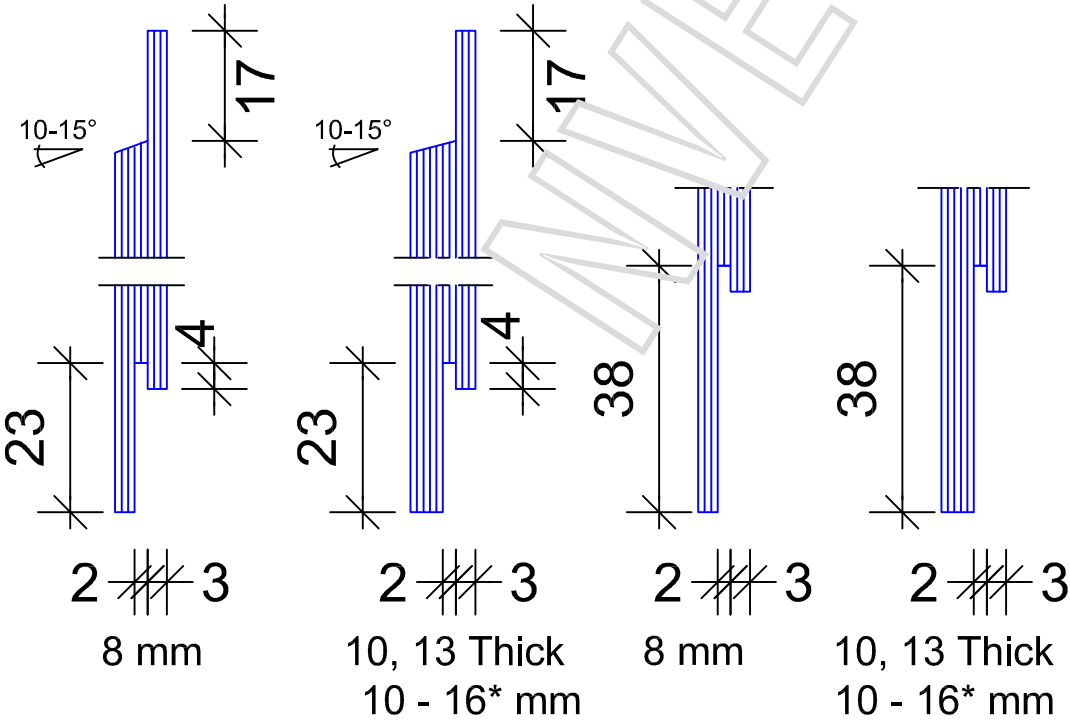


Cladding thickness	wind normal area	wind corner area
8 mm	1,75 m	1,23 m
10 mm	1,56 m	1,10 m
13 mm	1,15 m	0,98 m

Windloads: Dynamic pressure $q = 0,80 \text{ kN} / \text{m}^2$ (in acc. to DIN 0-20 m)
Vertical distances of start- and support profiles are equal !

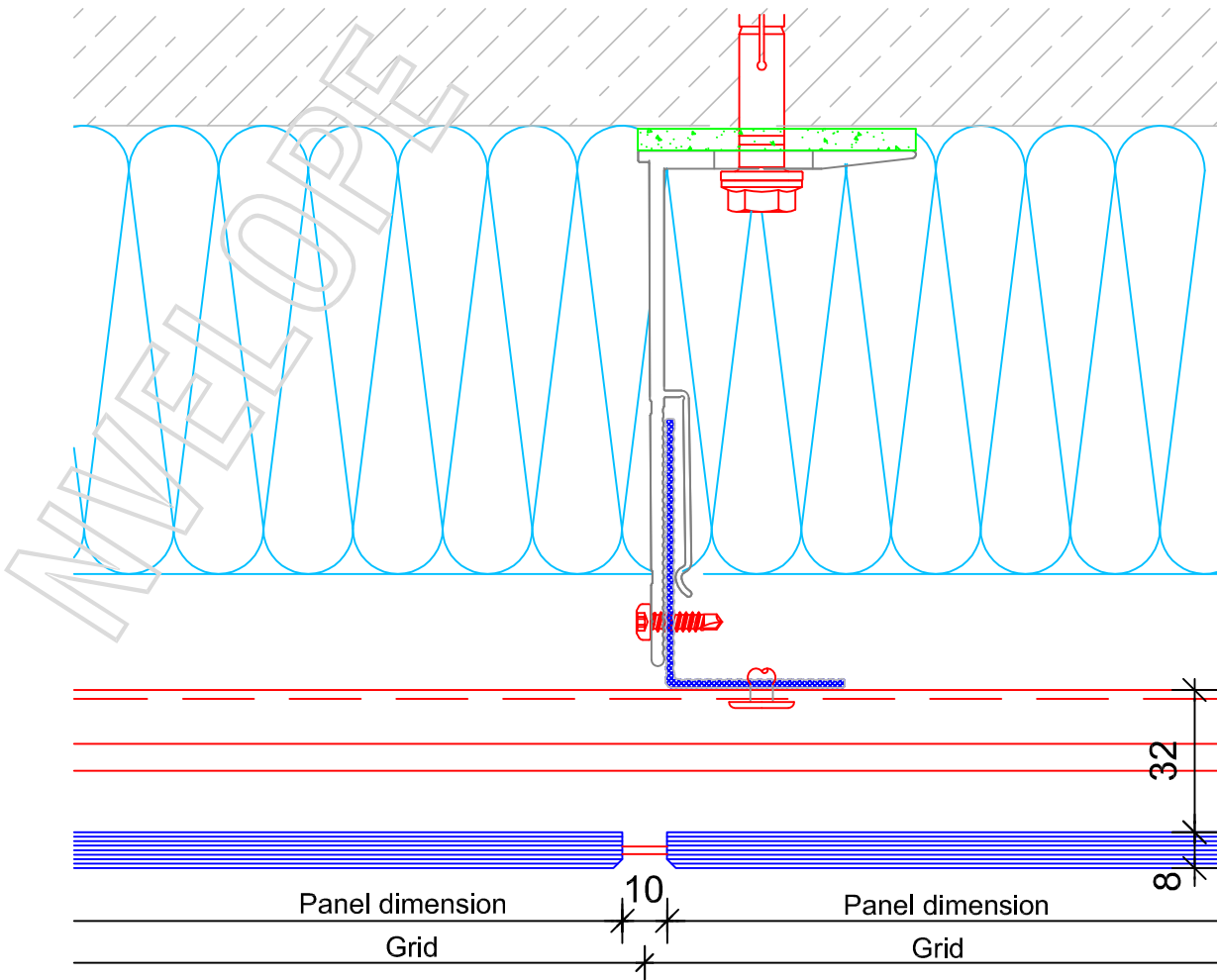
Thickness	Panel height	Panel length
8 mm	650 mm	3000 mm
10 mm	750 mm	3000 mm
13 mm	950 mm	3000 mm

Panel forms

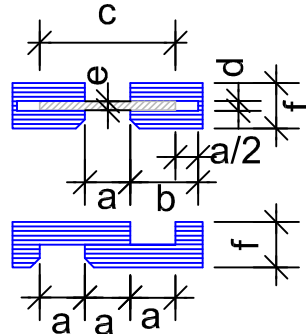


* Originals panels

System:- NV5 (TS300 System)



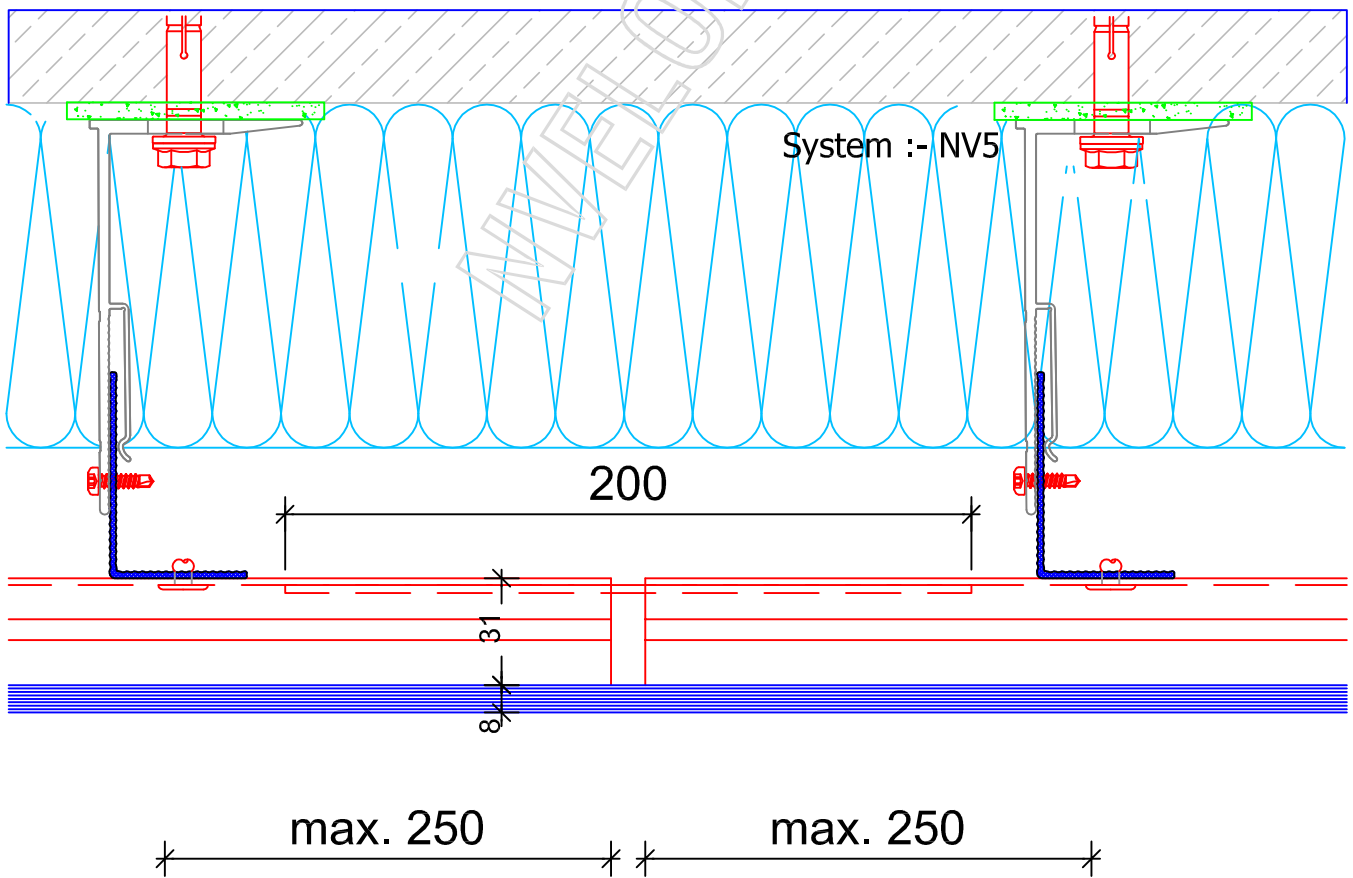
Variants Vertical joint



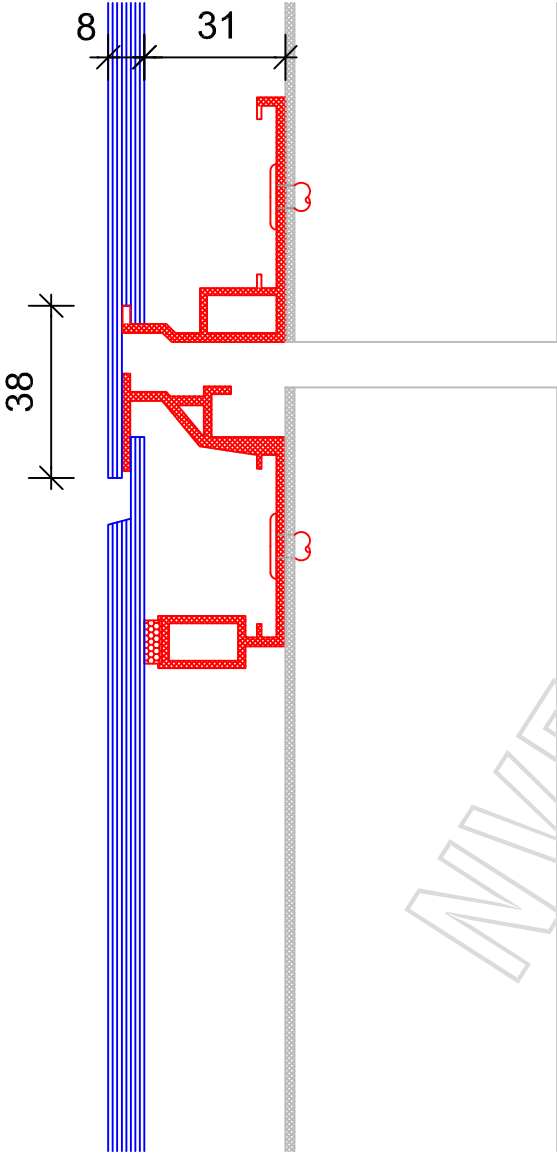
- a. 10 mm
- b. 15 mm
- c. 30 mm
- d. 2,2 mm Al / 3,2 mm Trespa
- e. 2,0 mm Al / 3,0 mm Trespa
- f. 8 mm or 10 mm

Horizontal section - NVELOPE 120

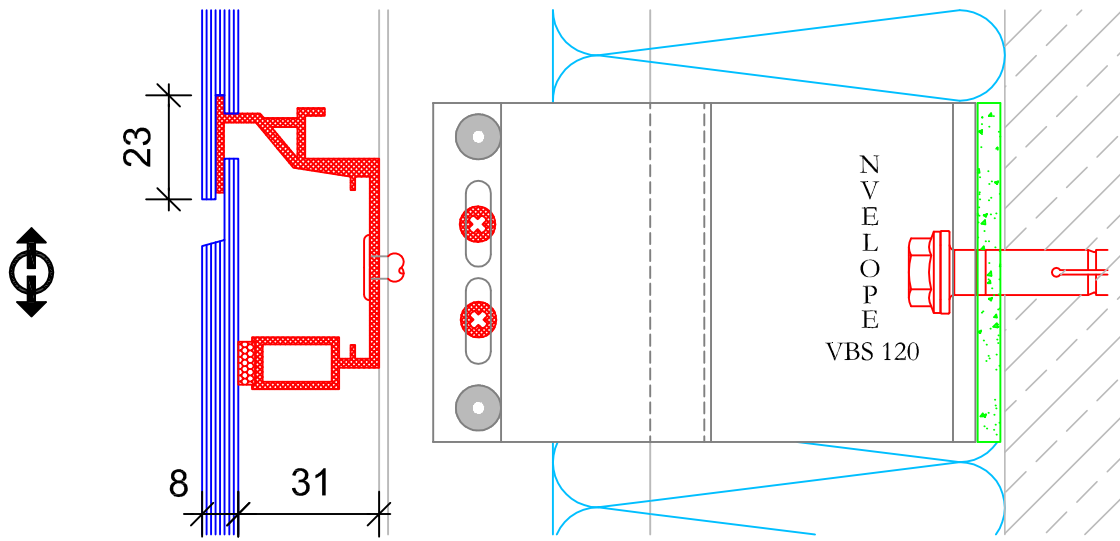
System :- NV5 (TS300 System)



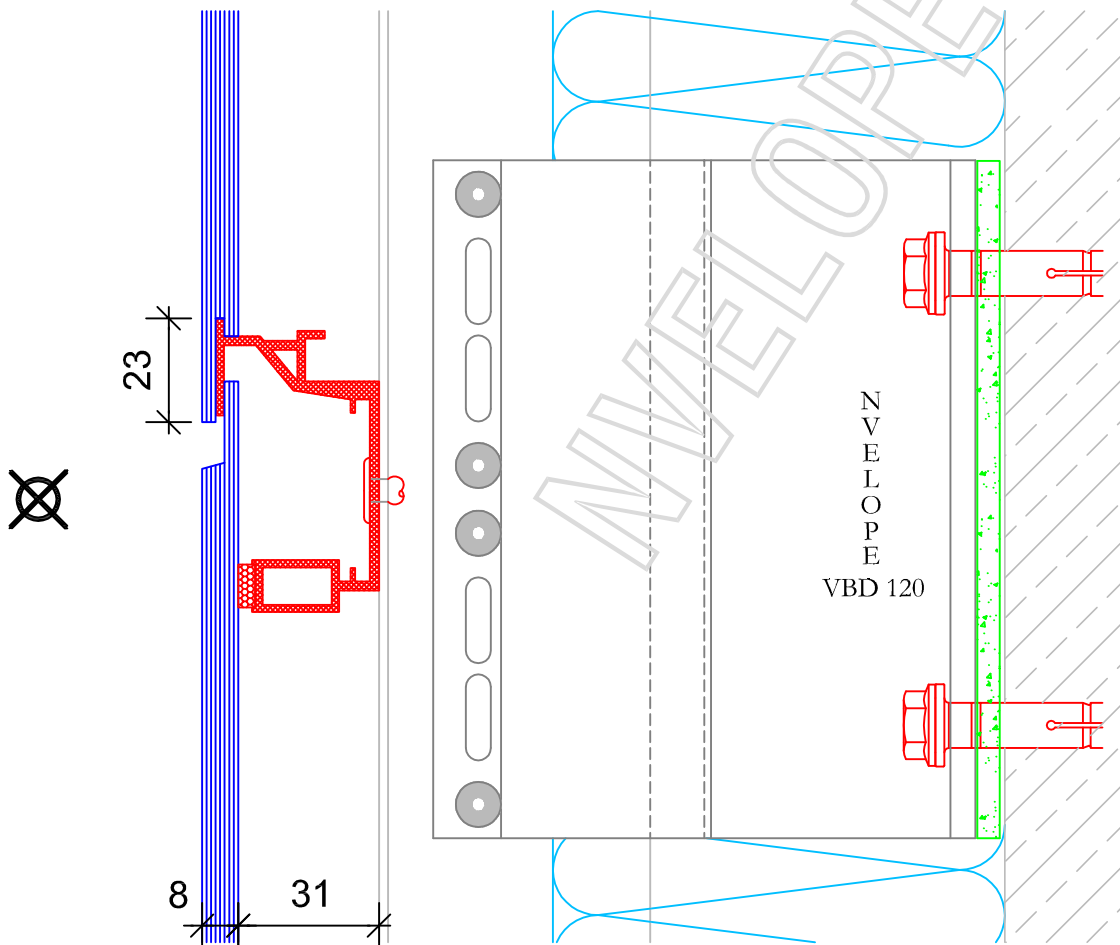
Horizontal section - NVELOPE 120 - joint of profile



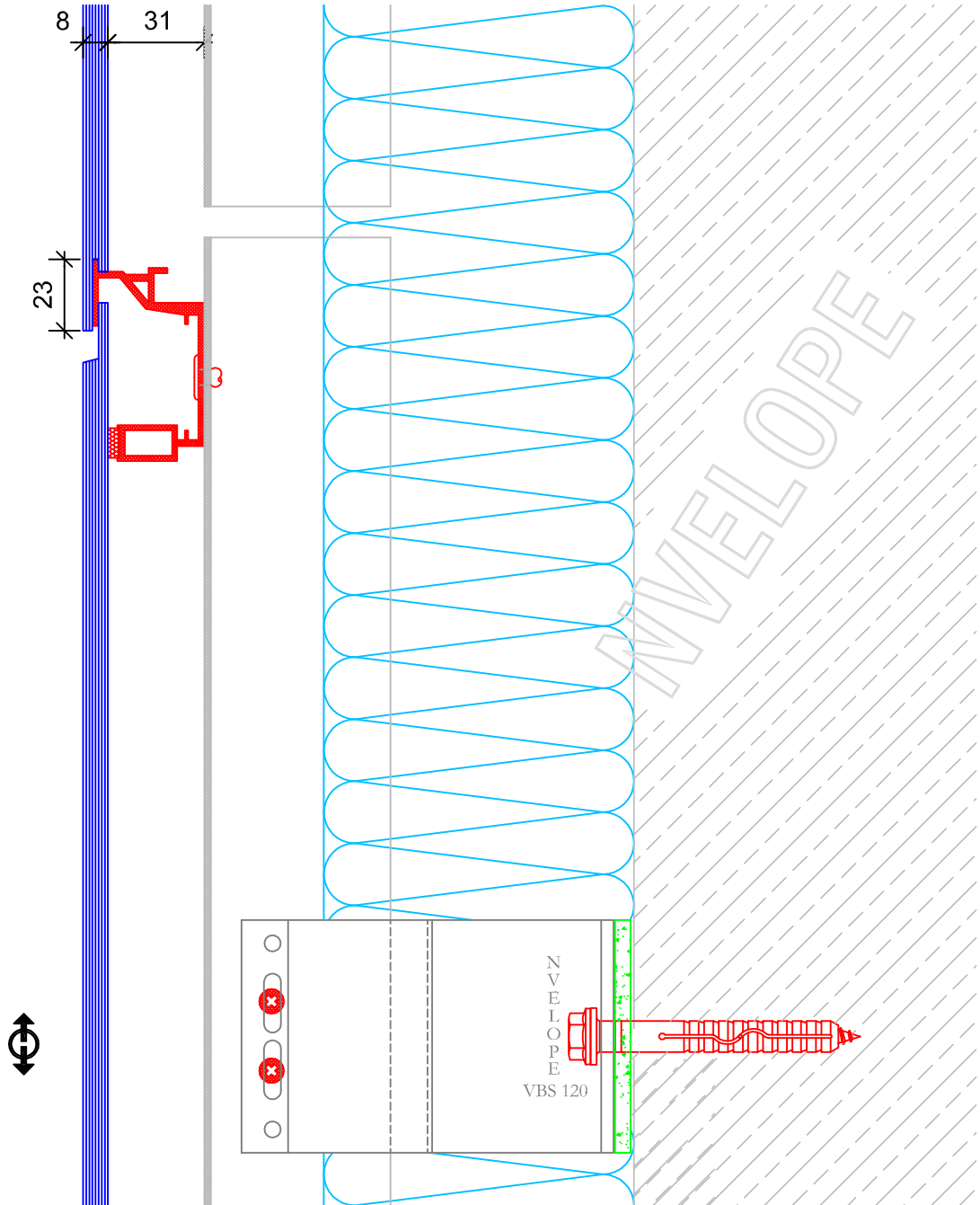
Vertical section - at joint of profile/ board



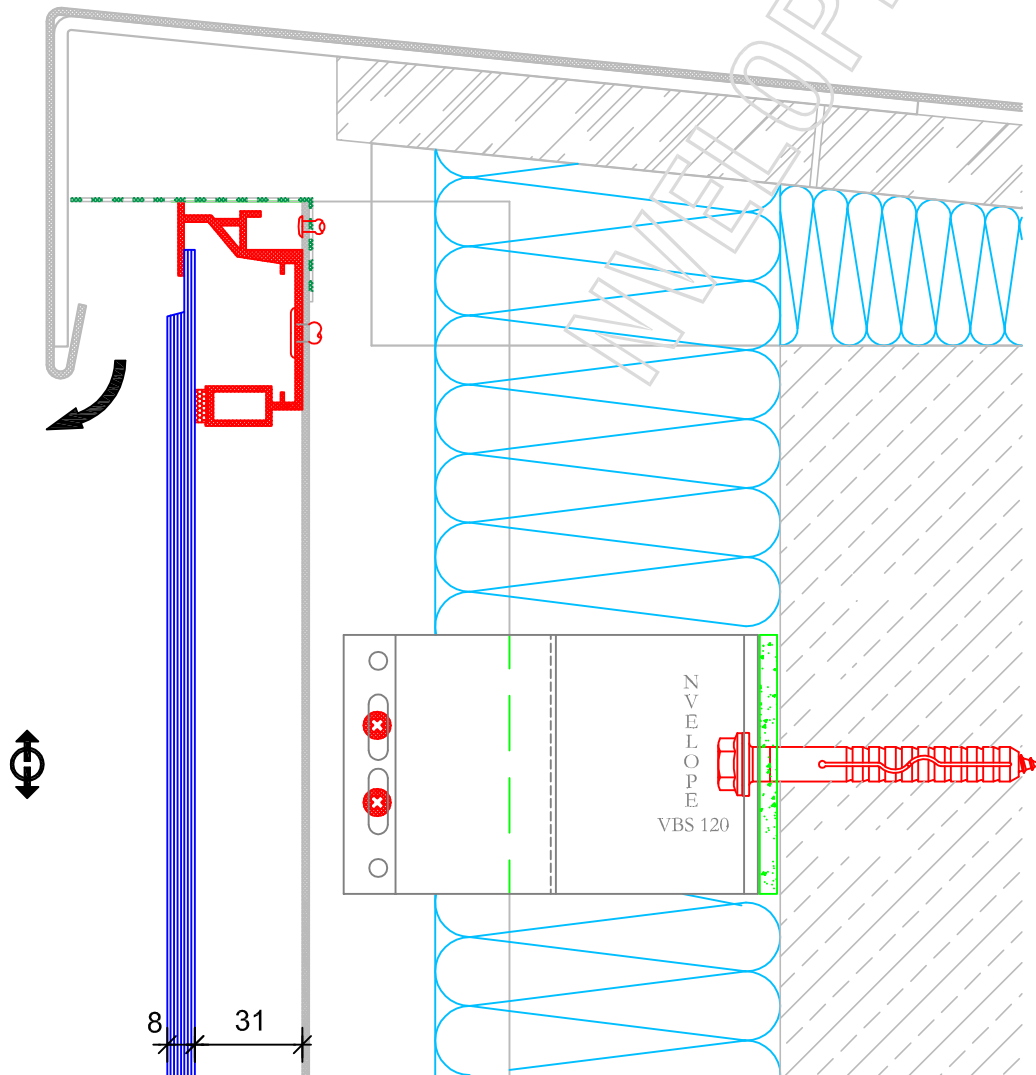
Vertical section-flexible point



Vertical section-fixed point

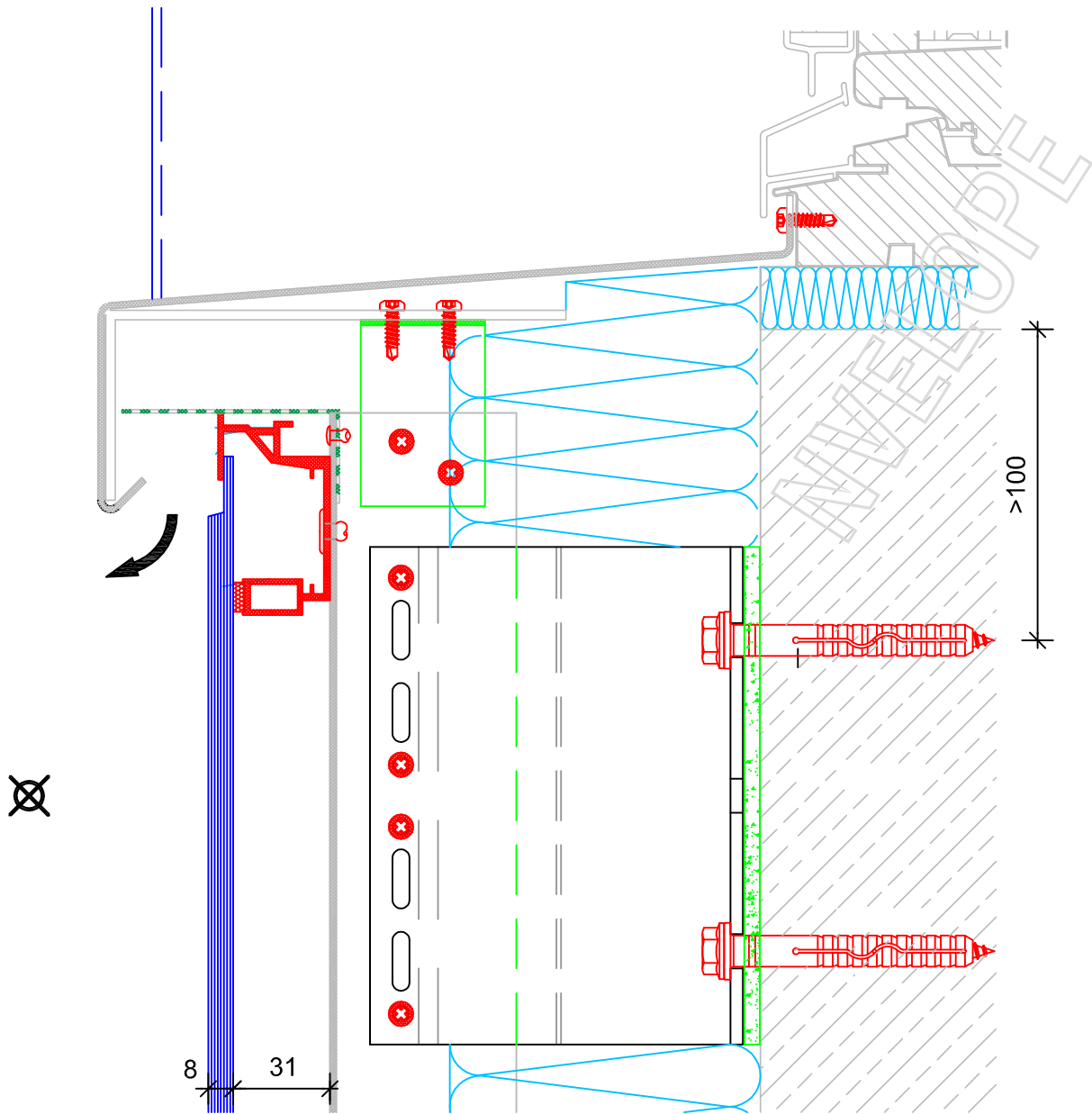


Vertical section - NVELOPE 120 - joint of profile

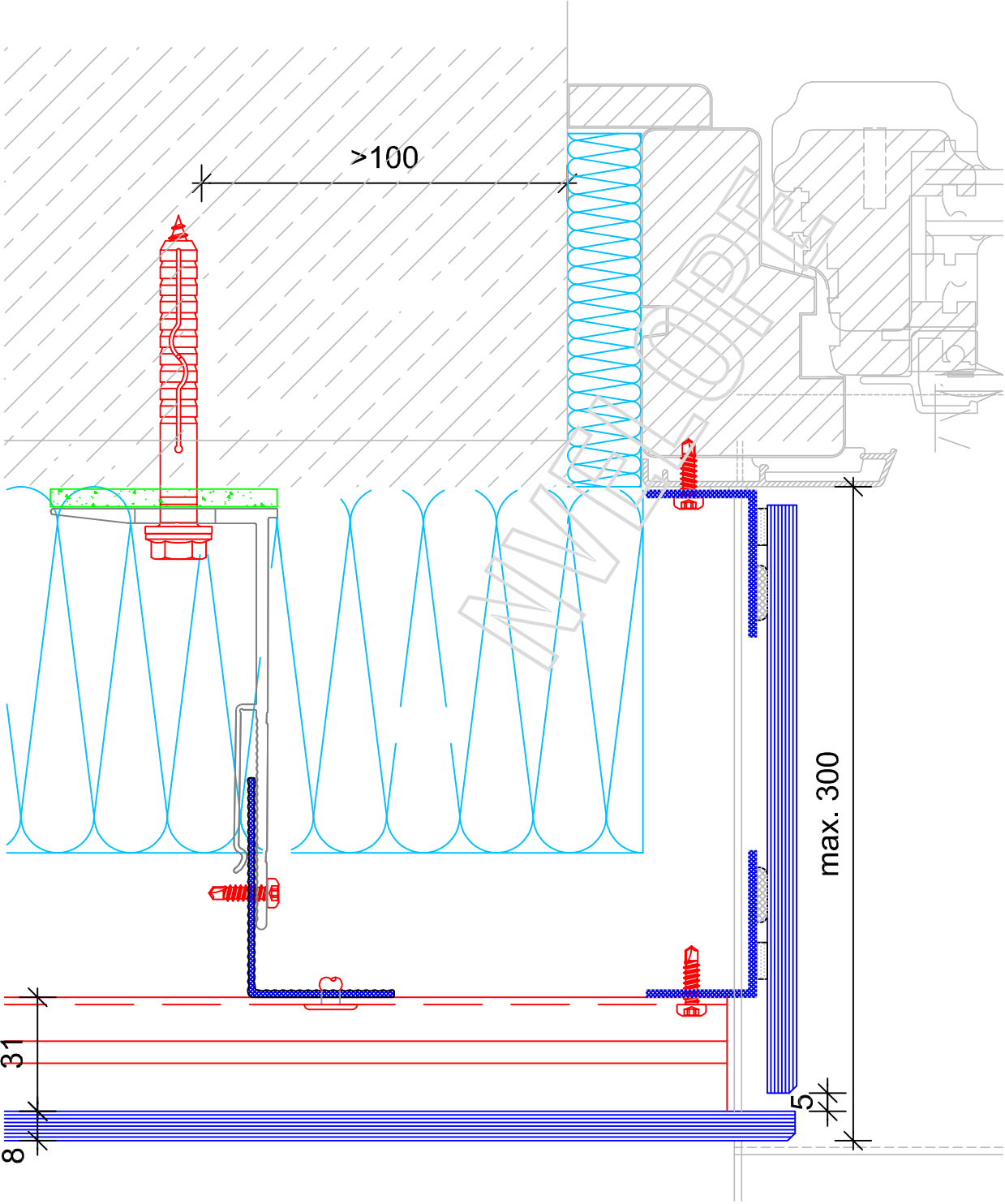


Vertical section

System :- NV5 (TS300 System)

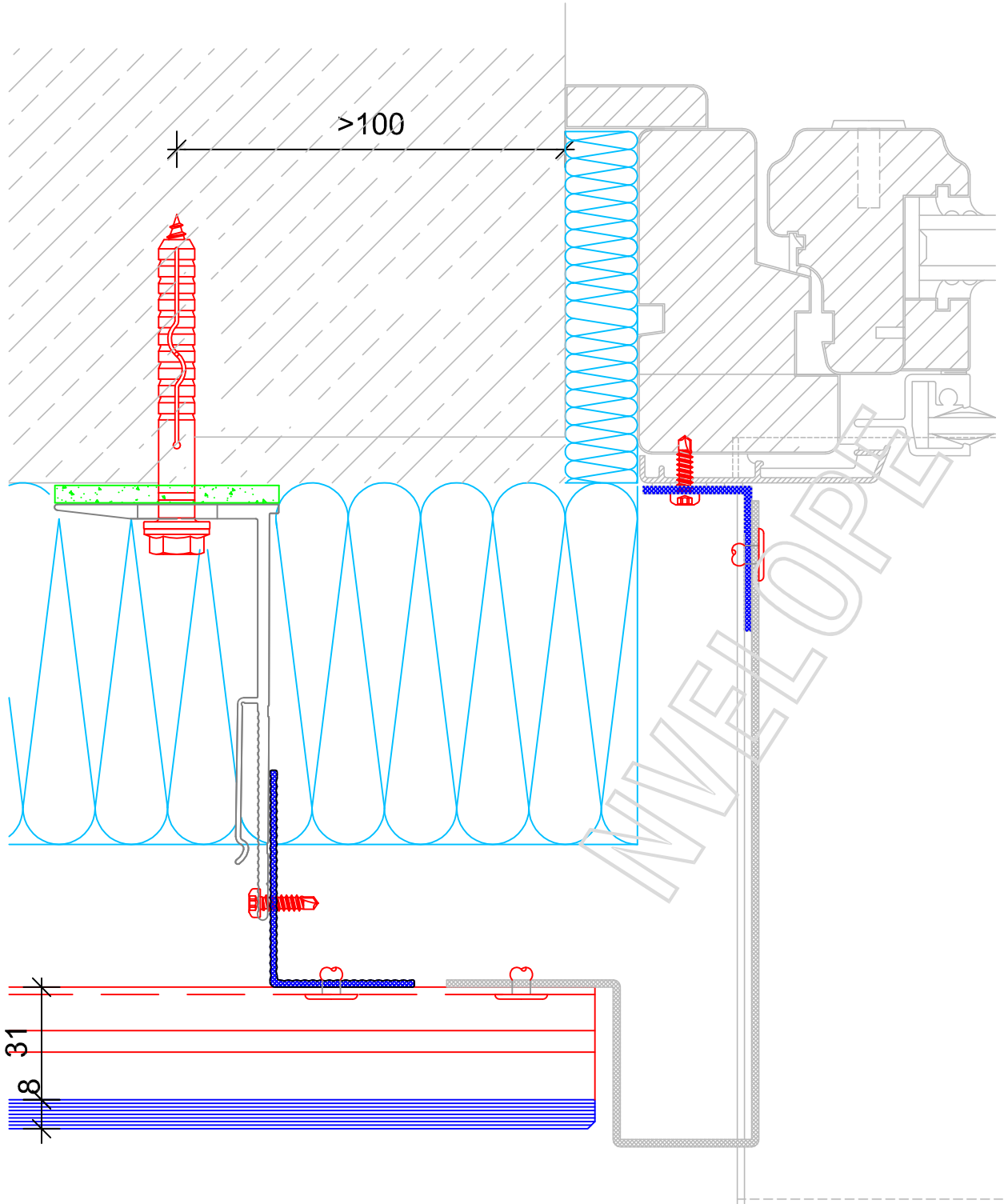


Vertical section - window sill detail

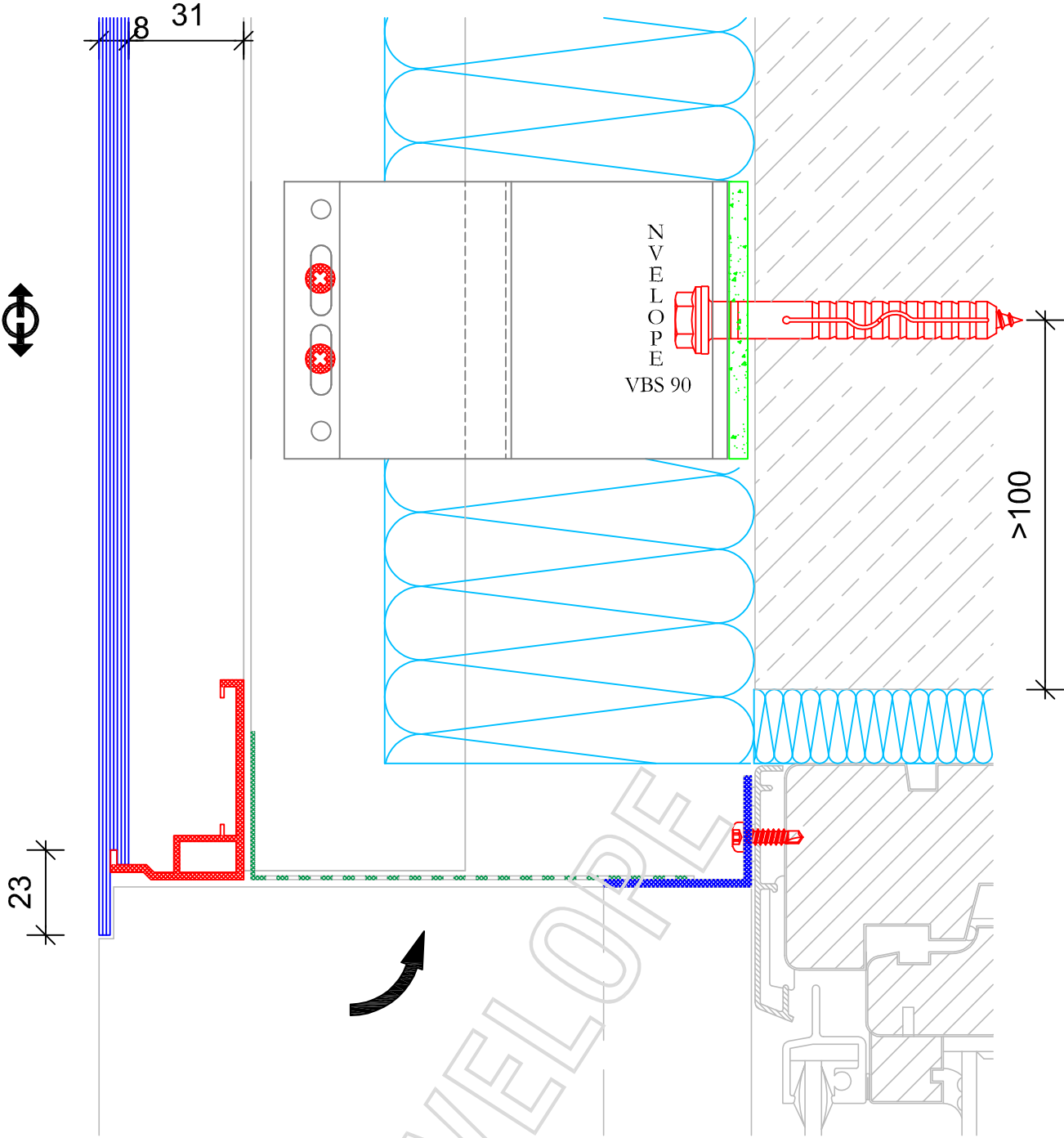


Horizontal section - window - reveal

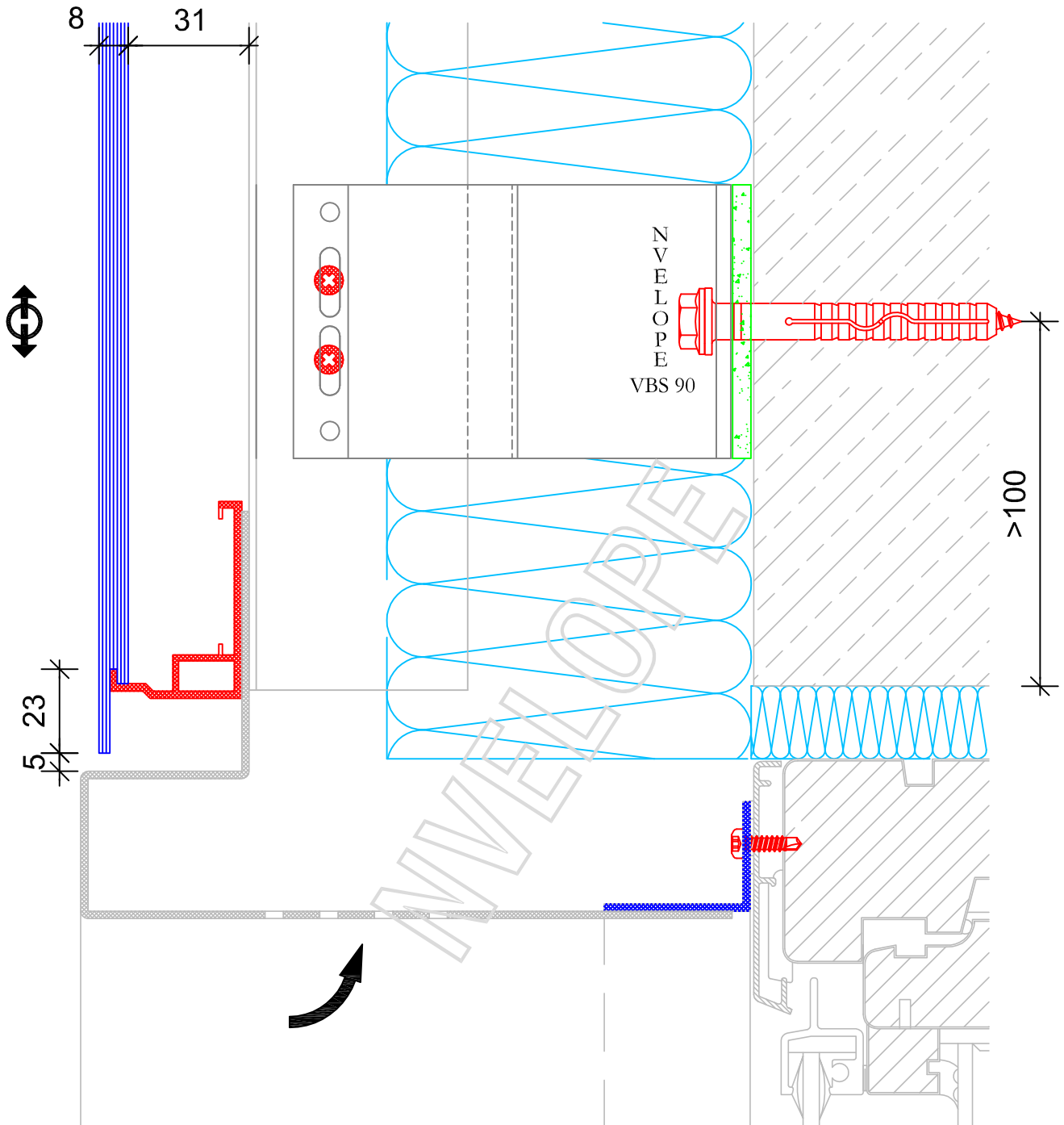
System:- NV5 (TS300 System)



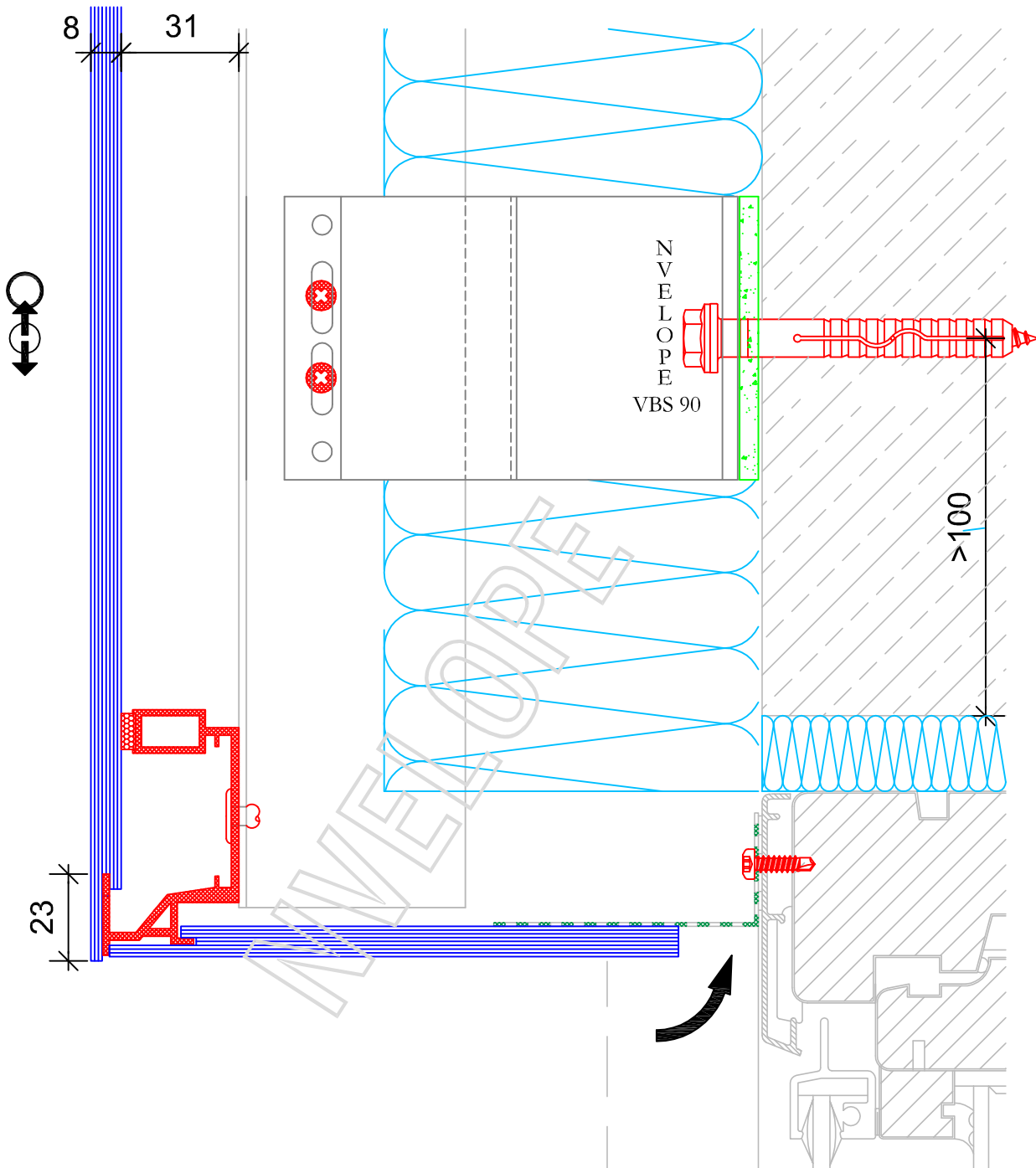
Horizontal section - window - reveal



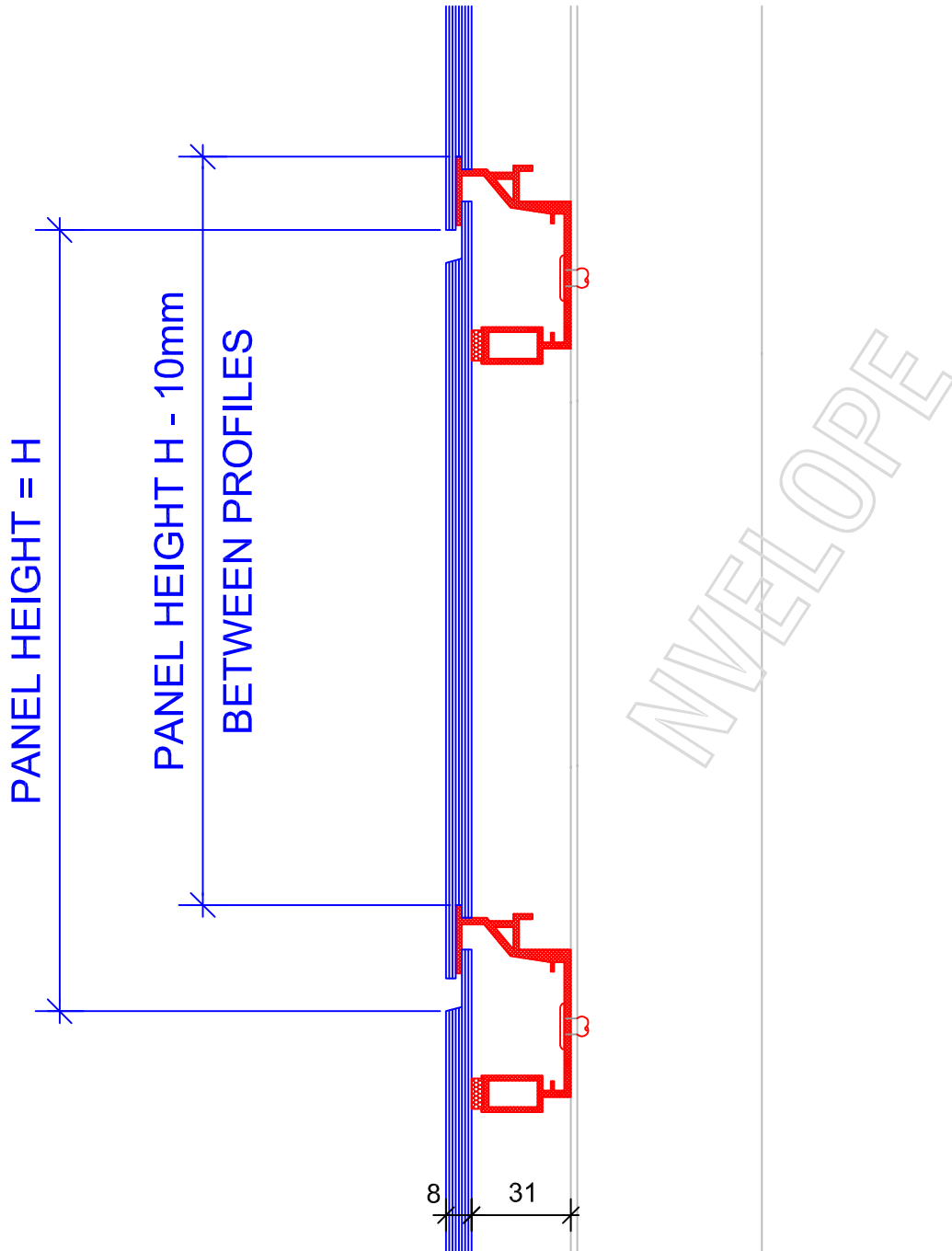
Vertical section - window head detail

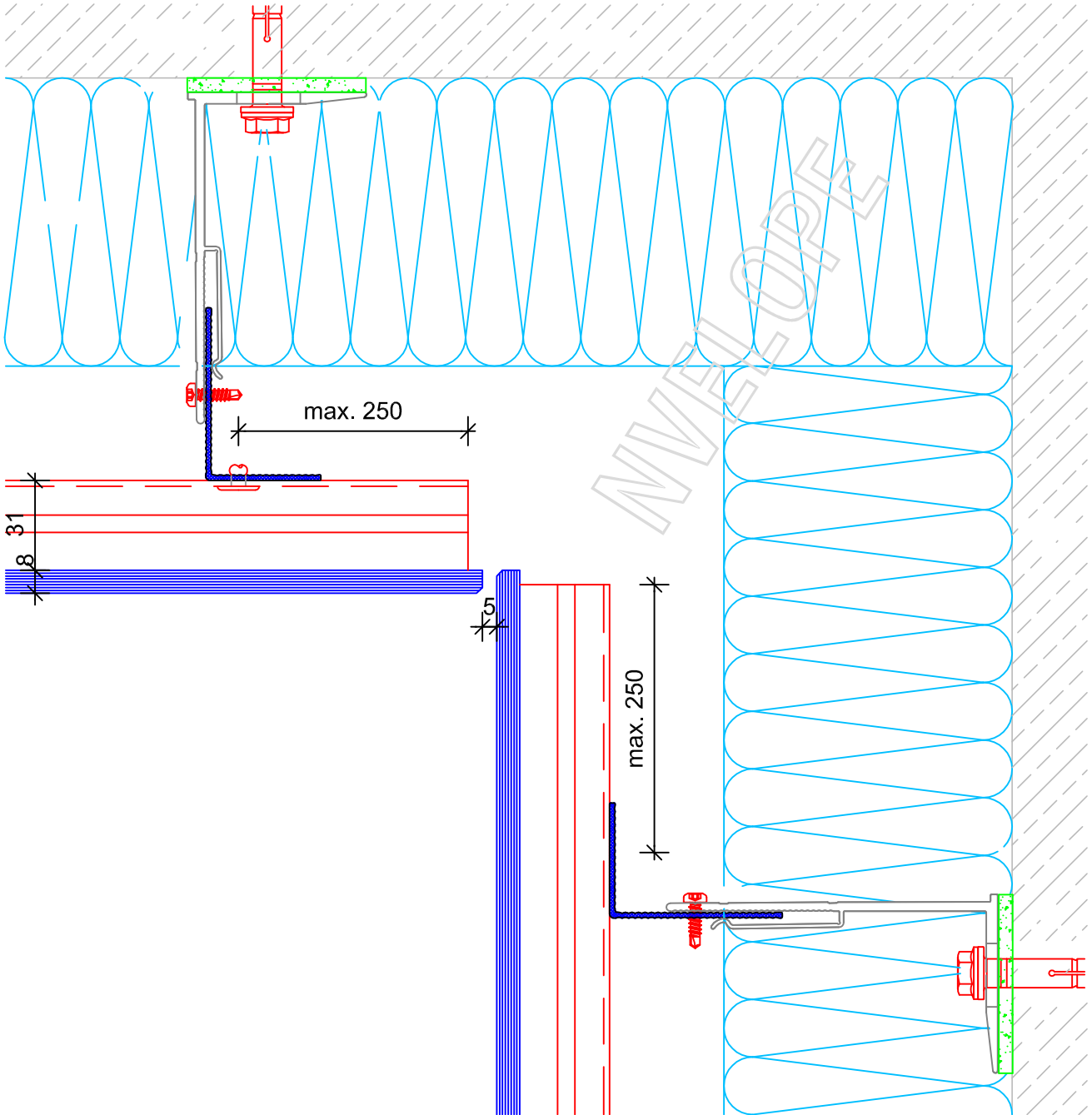


Vertical section - window head detail

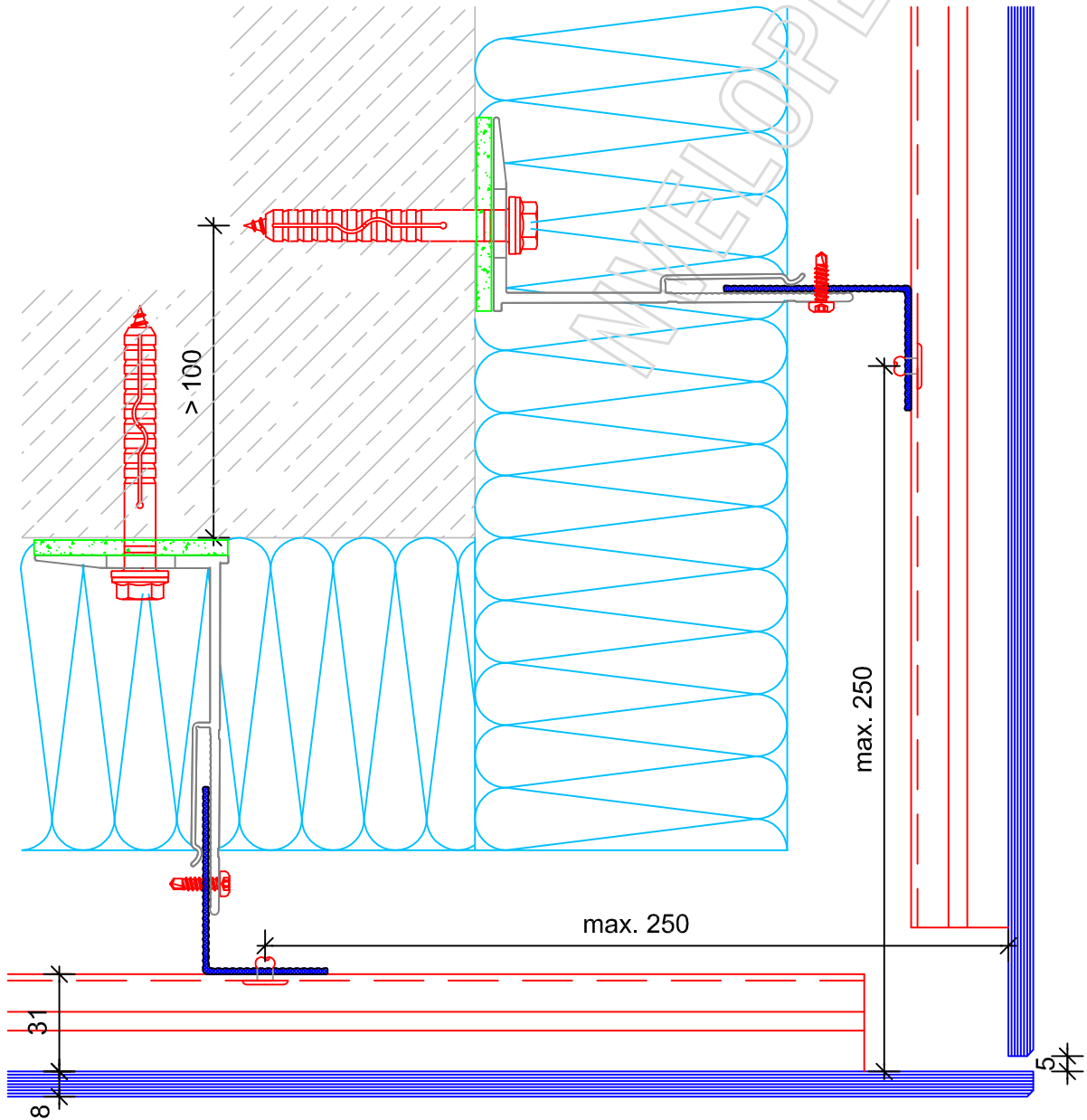


Vertical section - window detail -head





Horizontal section - internal corner



Horizontal section - external corner