

“VENERE” SYSTEM

SYSTEM TYPE:
VISIBLE HOOKS

CLADDING TILES TYPOLOGY:

- Ceramic tiles, simple or multi-layer;
- Laminate boards;
- Fibercement boards;
- Thin stone slabs, simple or multi-layer;
- Other materials with standard thickness from 6mm to 14 mm.

WORKINGS ON TILE:
NONE

SYSTEM COMPONENTS:

The “Venere” system is made of these components:

- extruded profile type “CV1” in aluminium alloy EN 6060 T5 (or similar, when needed);
- hooks type “V3” and “V4” to support and retain tiles, in stainless steel EN 1.4310 (AISI 301);
- springs type “V2” to fix hooks on “CV1” profile, in stainless steel EN 1.4310 (AISI 301);
- standard supporting stirrups type “A12” e “B12”, from extruded profile in aluminium alloy EN 6060;
- nuts and bolts to fix “CV1” profile on the stirrups, in stainless steel class A2;
- anchors to fix the stirrups on the wall, mechanical or epoxy-resin based, as needed;
- neoprene gasket strips, to gauge the tiles, the hooks and the aluminium profile, in different thickness as needed;
- springs type “Iana” in tempered stainless steel, to support the insulating panels and press them on the wall surface, when thermal insulation is needed.

SYSTEM DESCRIPTION:

The vertical mullion “CV1” is put in place on the wall with a pace depending on the tiles width and the design vertical joint between the tiles.

The “CV1” profile is designed and shaped in order to fit without drillings the following components:

- the stirrups supporting the mullions on the wall, put in place with their design pace;
- the hooks “V3” and “V4” to support the tiles, and their fixing springs “V2”, to be inserted using a small hammer in the proper groove of the vertical profile, put in place with a pace depending on the tiles high and the design horizontal joint;
- the insulation springs, if needed.

This arrangement of the components protects the coatings (oxidation or painting) from corrosion and assure the structure a longer lifetime.

The main characteristic of this “Venere” system is that the tiles can be settled very simply, without any further work on their surfaces or edges, but the supporting hooks are visible from outside the façade. If needed, the hooks can be painted the same colour of the tiles surface so that they are not visible even from a small distance from the façade itself.

Each slab is solidarized with the hooks and the vertical profile using neoprene gasket strips of useful thickness and silicon drops, when needed.

When all the components are put in place, each tile can be set up or dismantled one at a time.

The supporting structure makes possible any type of regulation and it is able to protect from wind action and to allow the thermal expansion of all the components.

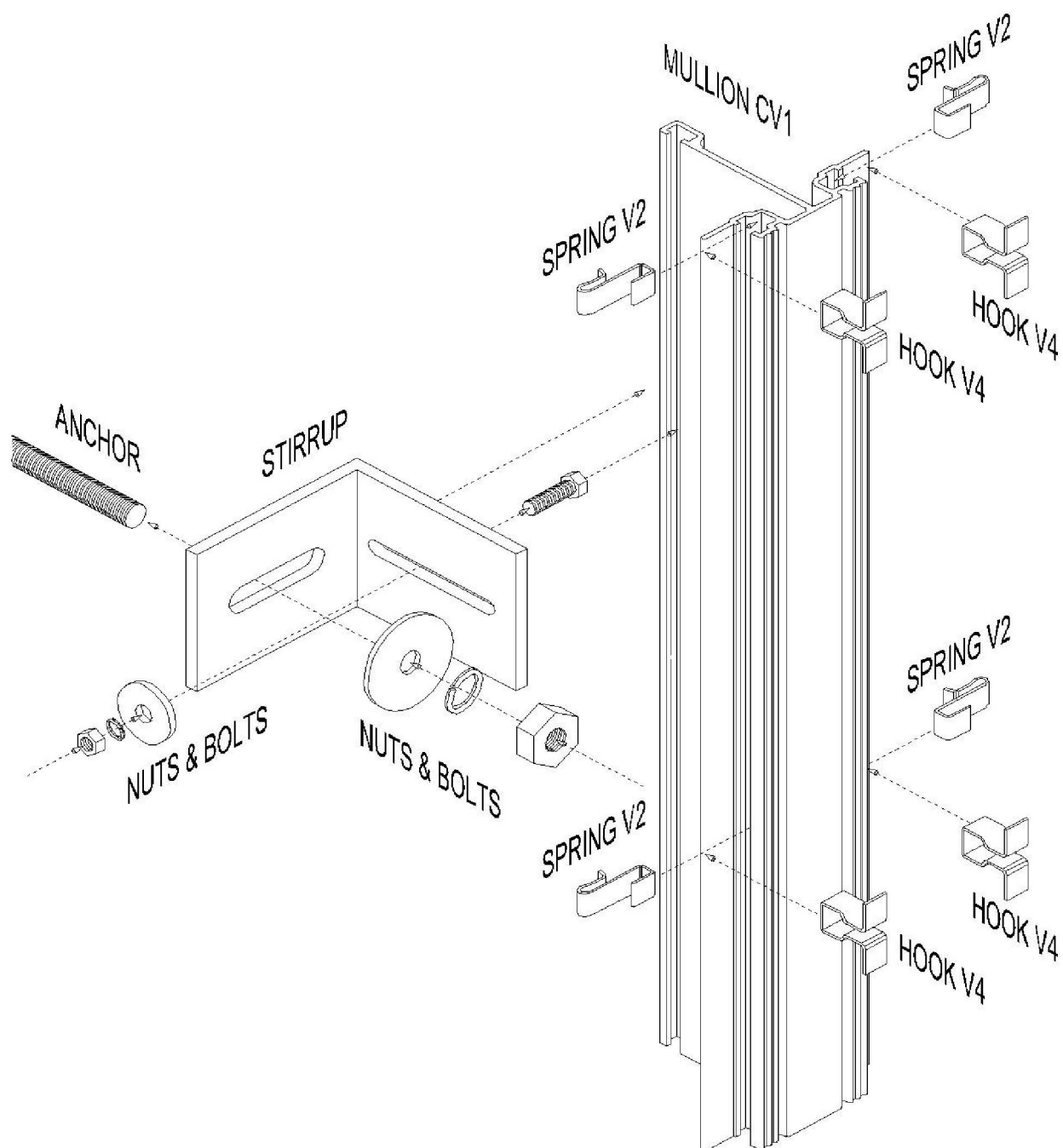
SYSTEM SIZES:

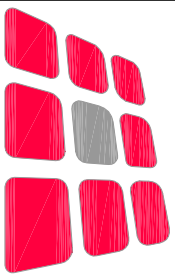
- The standard distance between the wall and the INTERNAL face of the tiles is 110 mm, with a standard regulation of ± 25 mm.
- The standard thickness of the tiles for this system is from 6 mm to 14 mm average.

Standard details of the system in the next page.

“VENERE” SYSTEM

WARNING! THE ACTUAL COMPONENTS MAY CHANGE DEPENDING ON REAL SPECIFICS.





DALLERA
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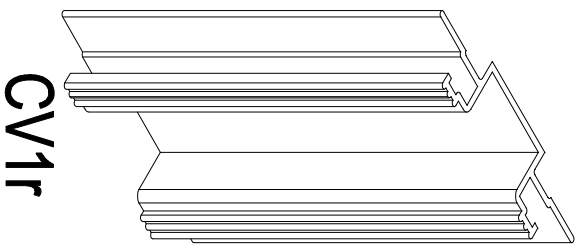
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"VENERE" SYSTEM

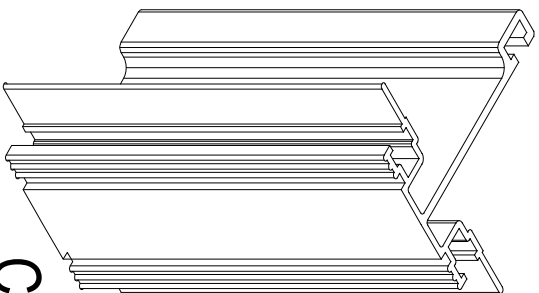
STANDARD COMPONENTS



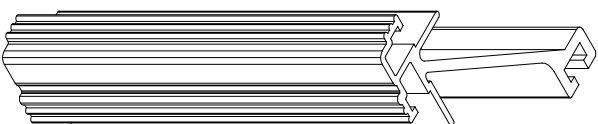
CV1r



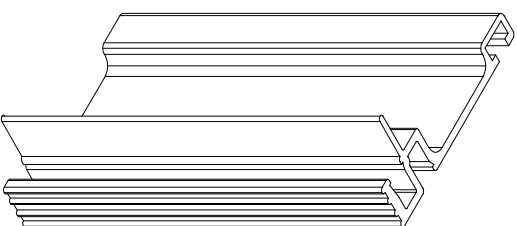
SPRING V2



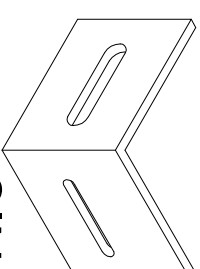
CV1



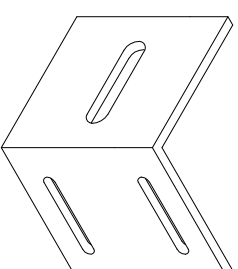
CV1a



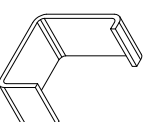
CV1m



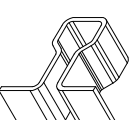
SINGLE BRACKET



DOUBLE BRACKET

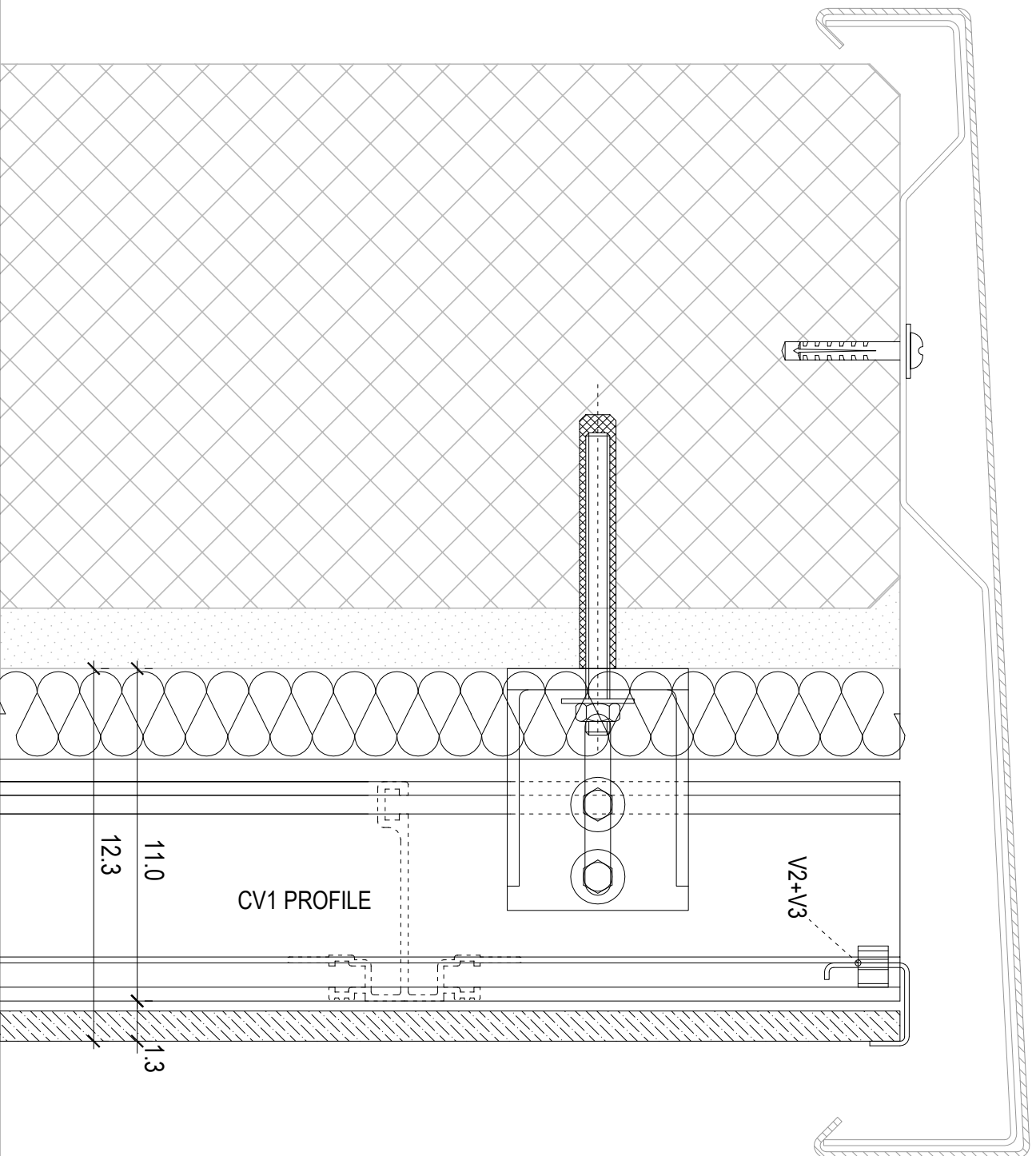


HOOK V3



HOOK V4

TOP TIN-PLATE

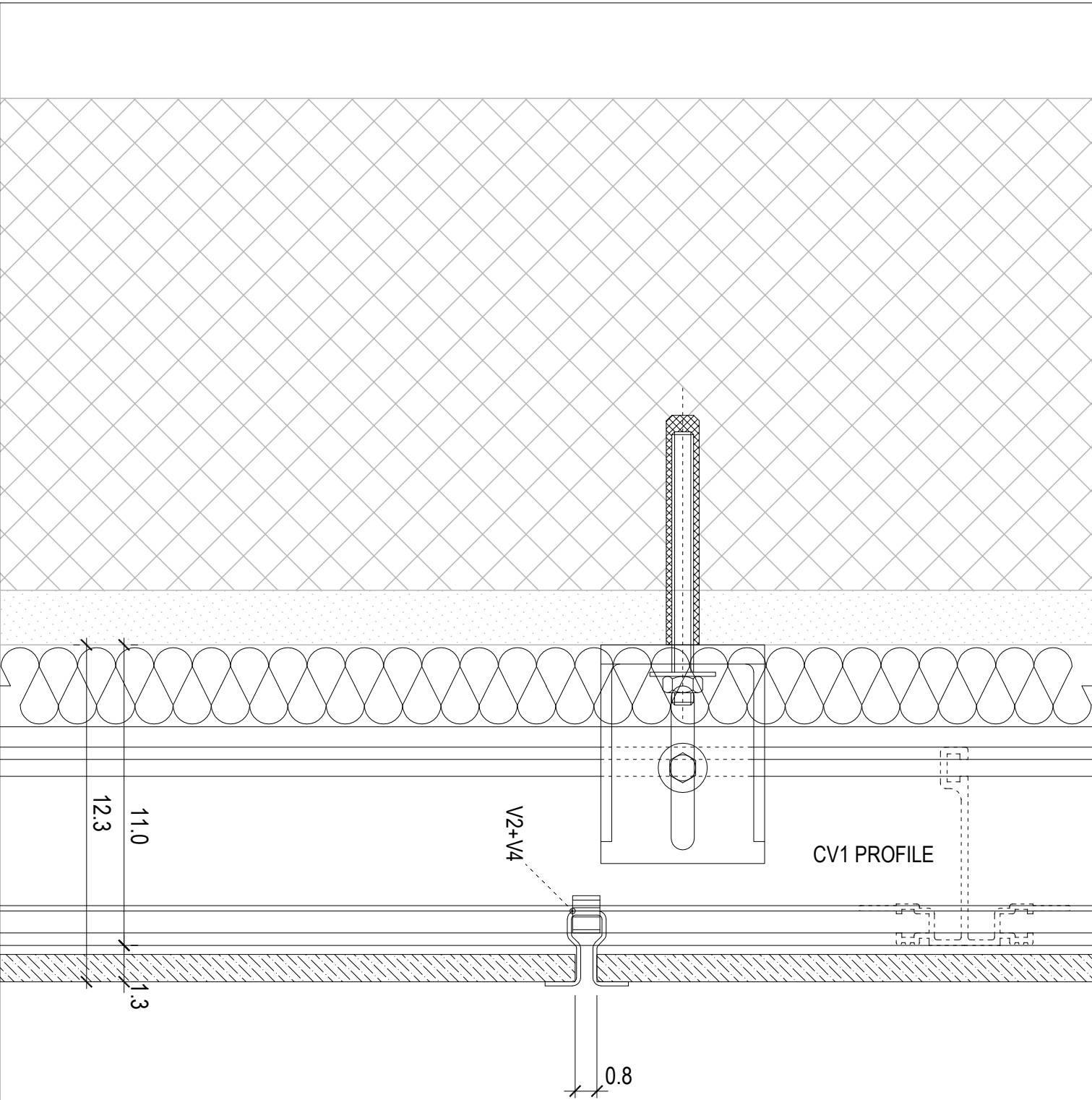


"VENERE" SYSTEM

STANDARD DETAIL FOR

FACADE TOP

vertical cross-section - SCALE 1:2



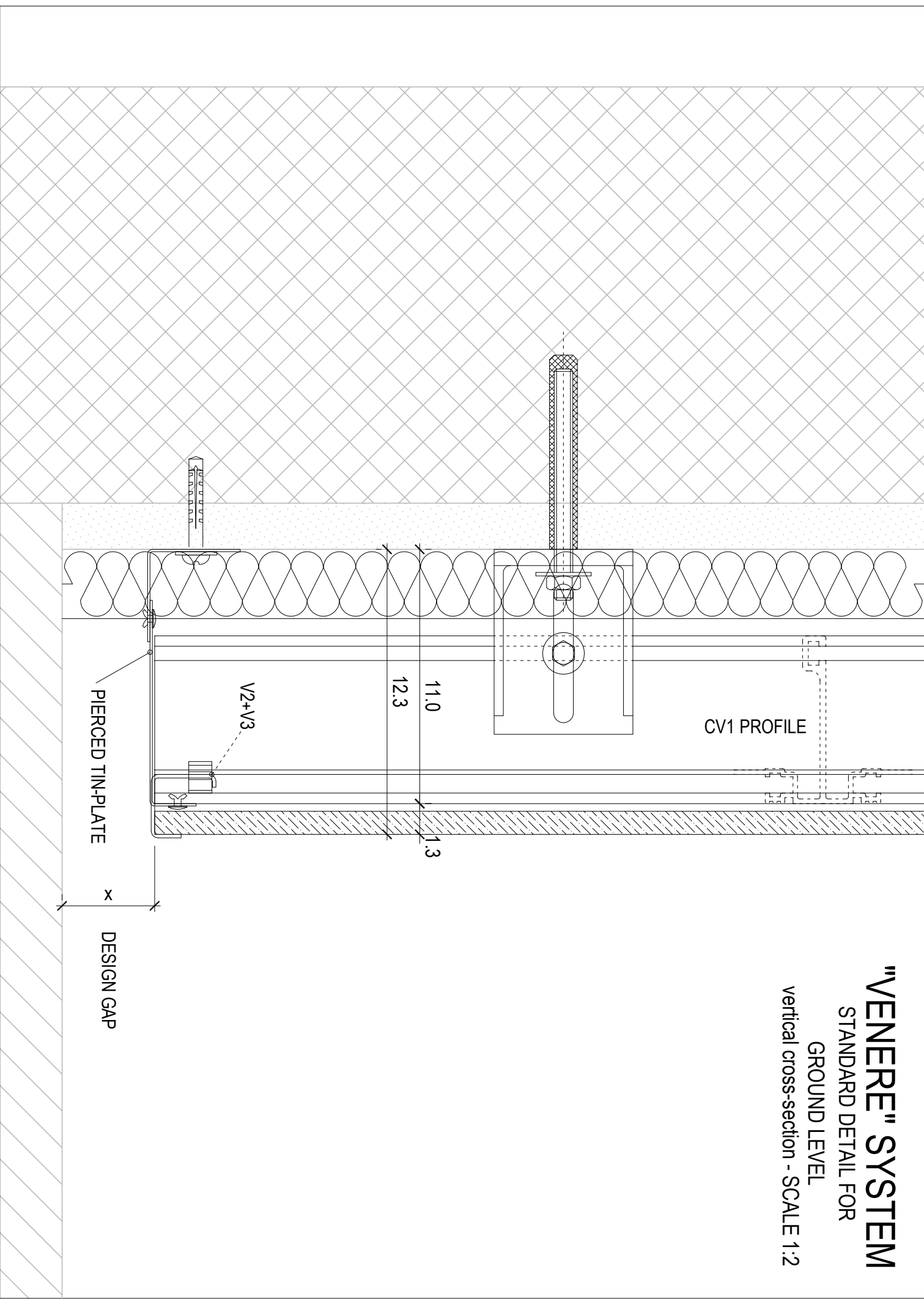
CV1 PROFILE

V2+V4

STANDARD HORIZONTAL JOINT

"VENERE" SYSTEM
 STANDARD DETAIL FOR
 HORIZONTAL JOINT
 vertical cross-section - SCALE 1:2

"VENERE" SYSTEM
STANDARD DETAIL FOR
GROUND LEVEL
vertical cross-section - SCALE 1:2



CV1 PROFILE

V2+V3

PIERCED TIN-PLATE

DESIGN GAP

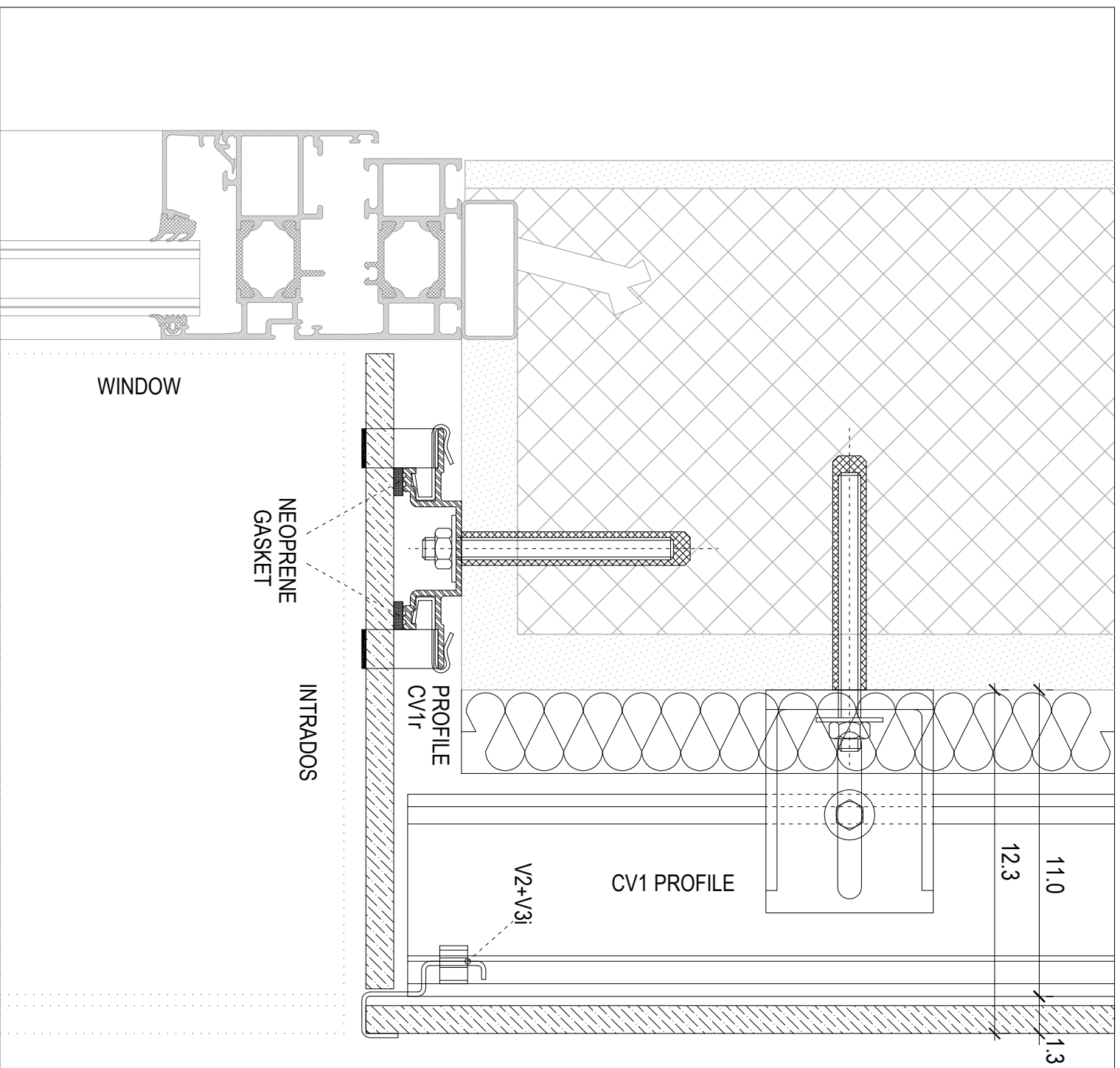
12.3

11.0

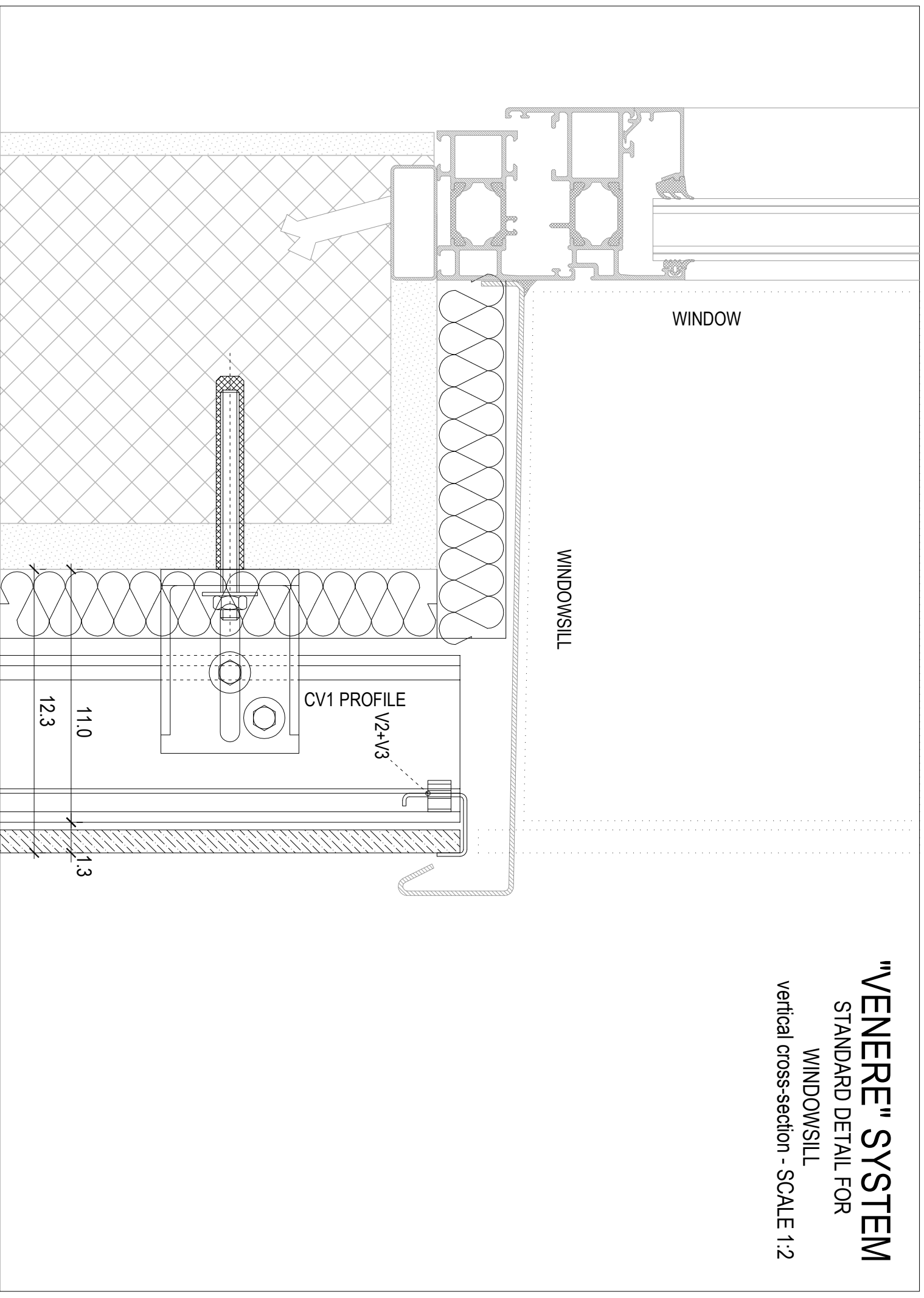
1.3

x

"VENERE" SYSTEM
STANDARD DETAIL FOR
WINDOW INTRADOS
vertical cross-section - SCALE 1:2



"VENERE" SYSTEM
STANDARD DETAIL FOR
WINDOWSILL
vertical cross-section - SCALE 1:2



"VENERE" SYSTEM
STANDARD DETAIL FOR
WINDOW REVEAL

horizontal cross-section - SCALE 1:2

WINDOW

REVEAL

NEOPRENE
GASKET

CV1a PROFILE

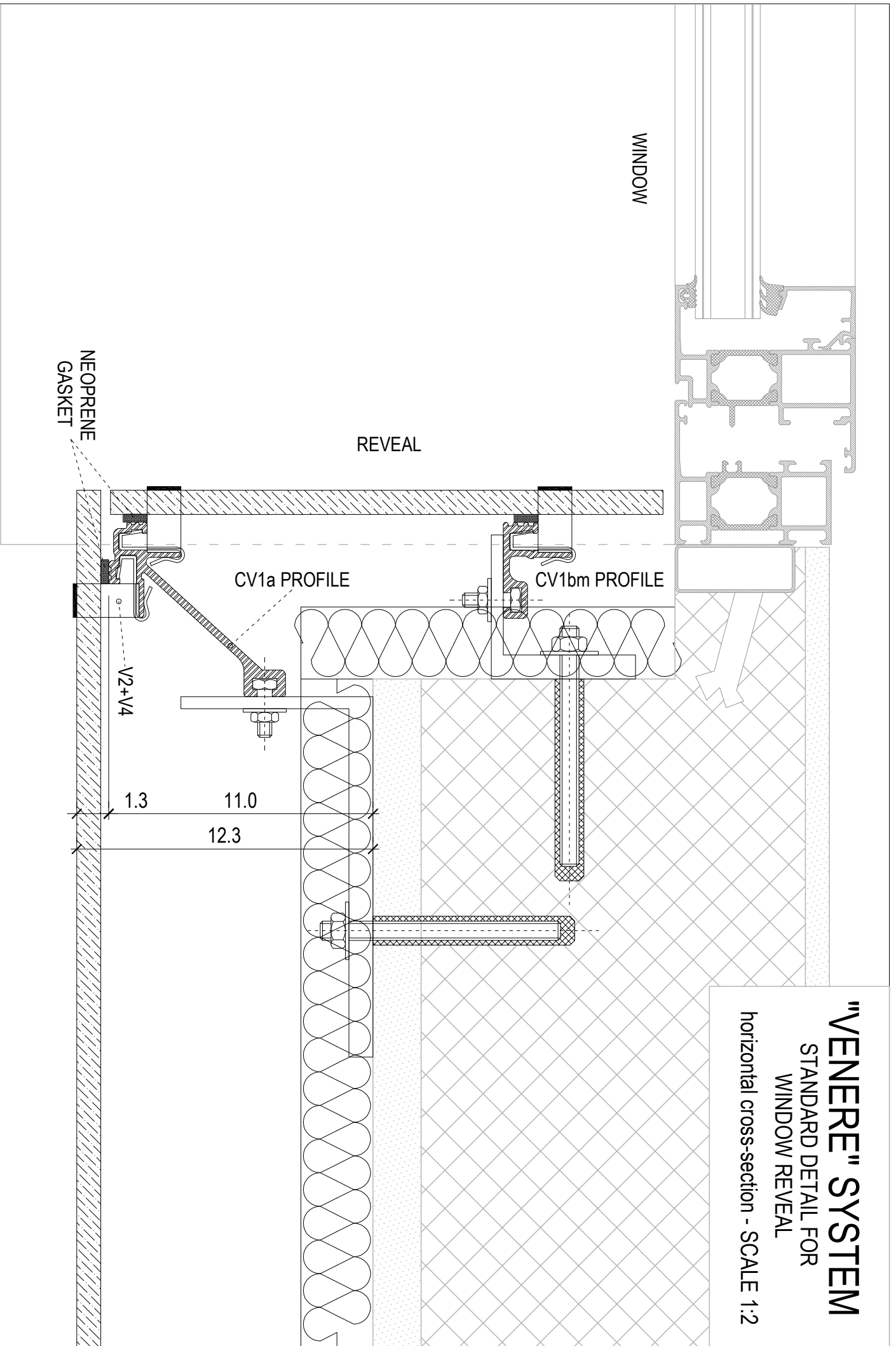
CV1bm PROFILE

V2+V4

1.3

11.0

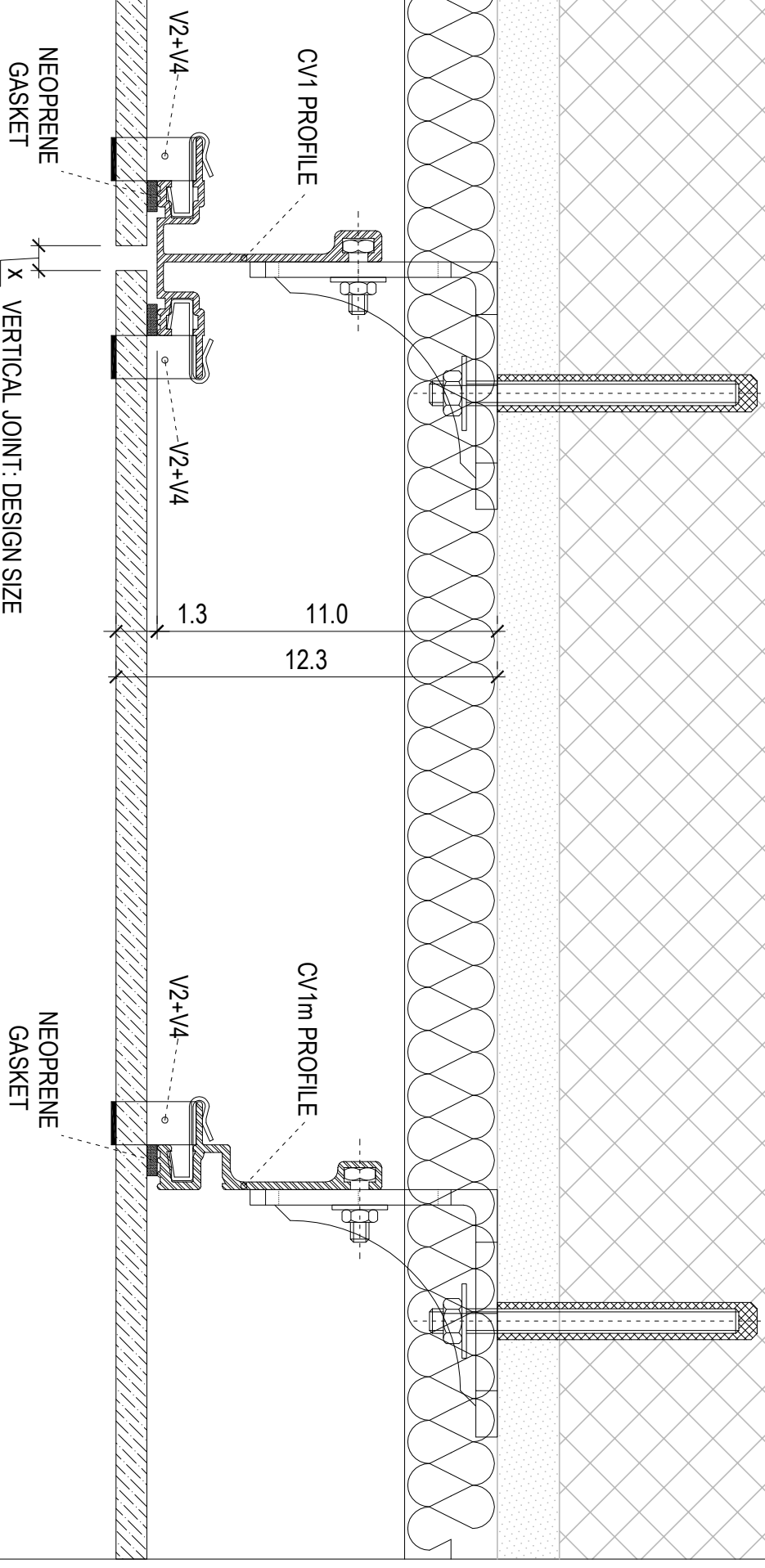
12.3



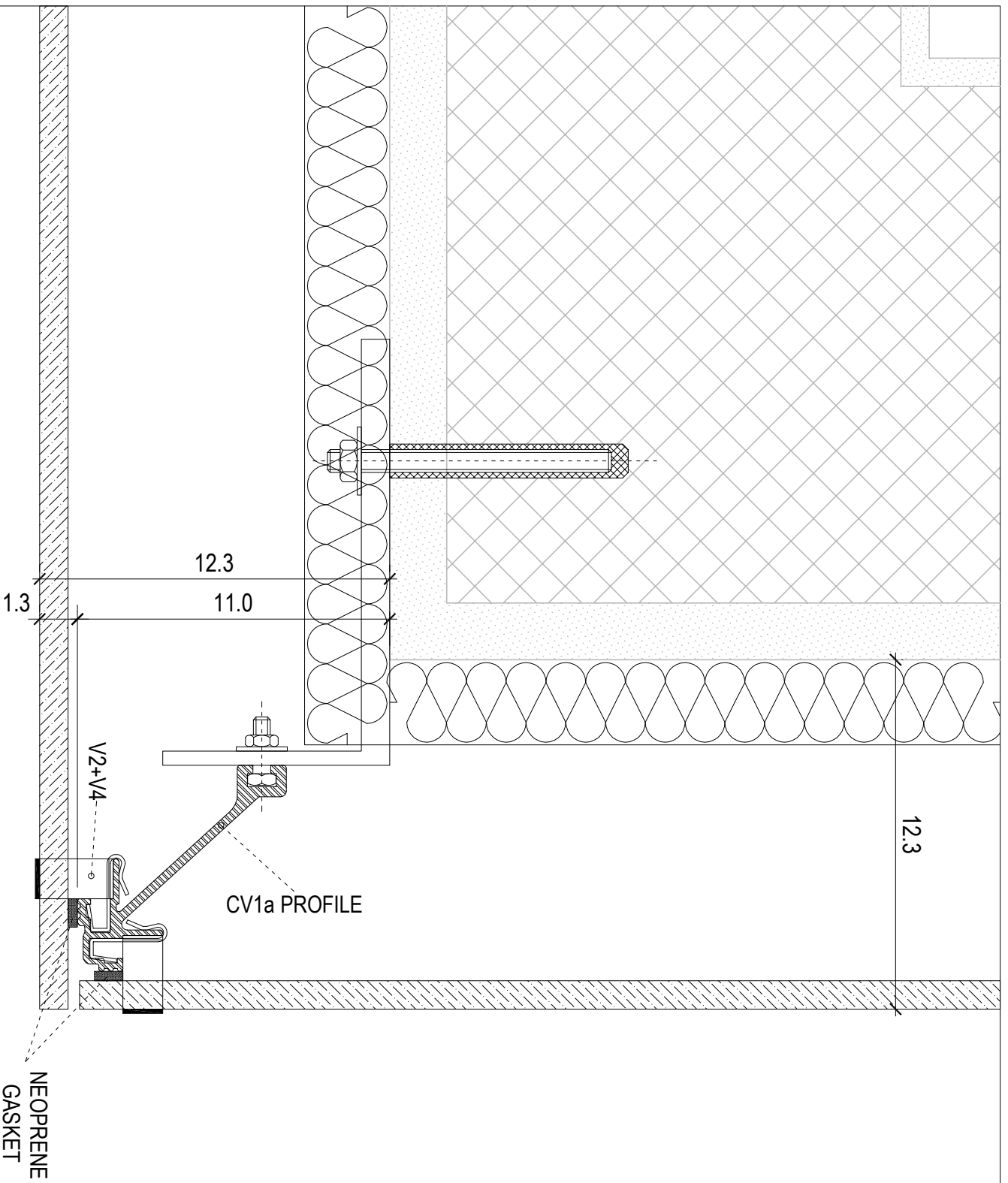
"VENERE" SYSTEM

STANDARD DETAIL FOR
VERTICAL JOINT

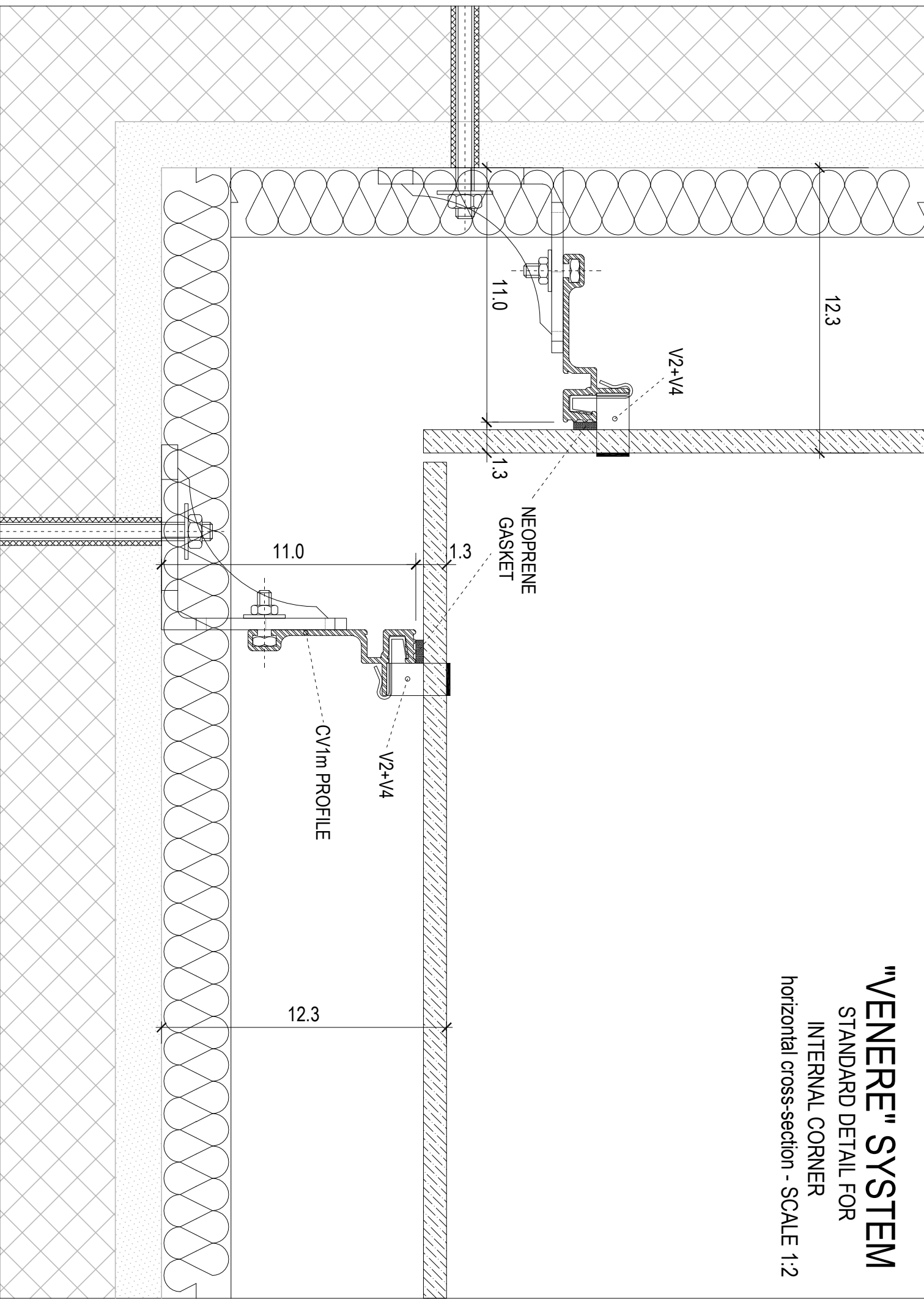
horizontal cross-section - SCALE 1:2



"VENERE" SYSTEM
STANDARD DETAIL FOR
EXTERNAL CORNER
horizontal cross-section - SCALE 1:2



"VENERE" SYSTEM
STANDARD DETAIL FOR
INTERNAL CORNER
horizontal cross-section - SCALE 1:2



"VENERE" SYSTEM

TILE SET-UP

vertical cross-section - SCALE 1:2

