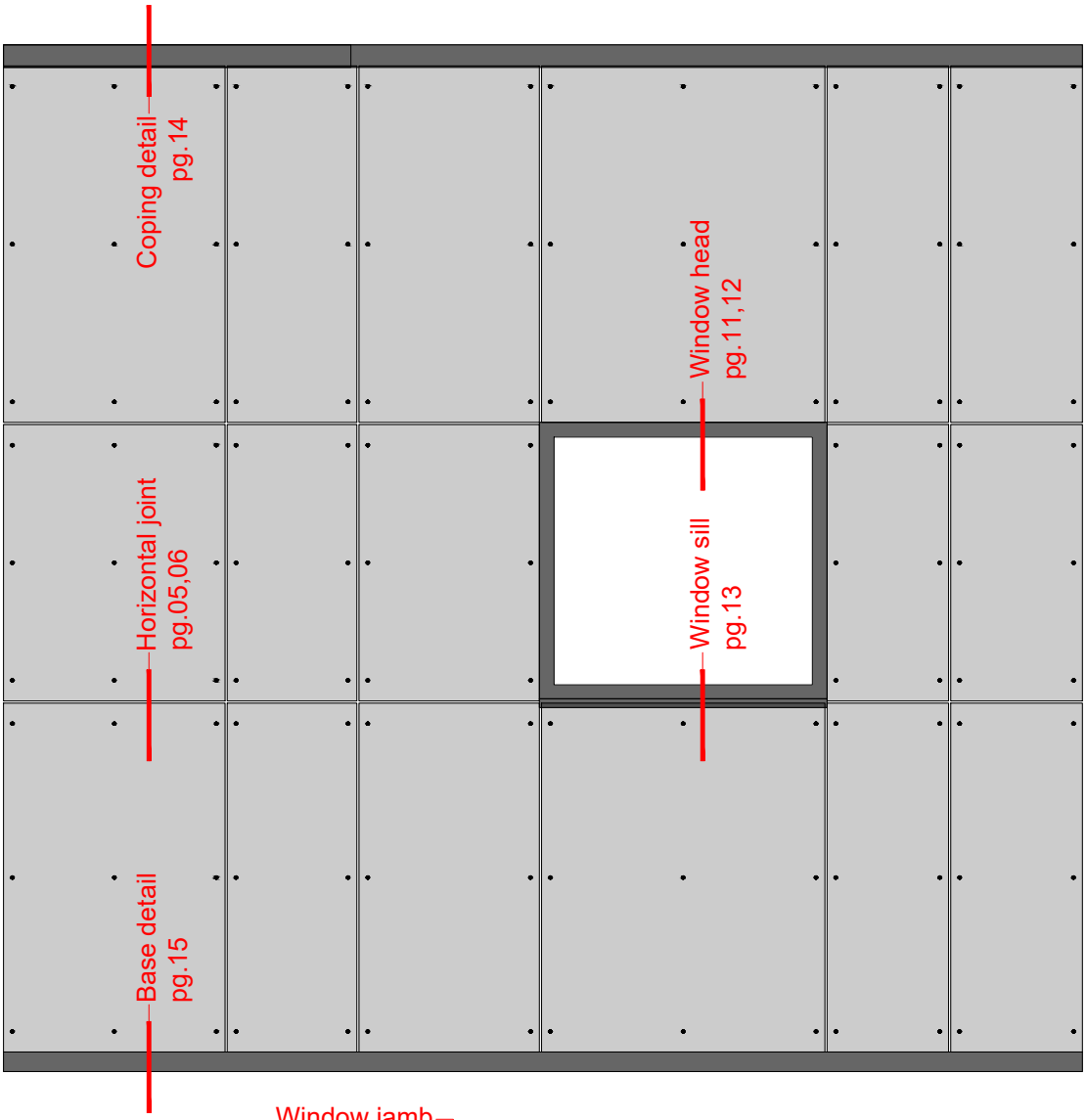
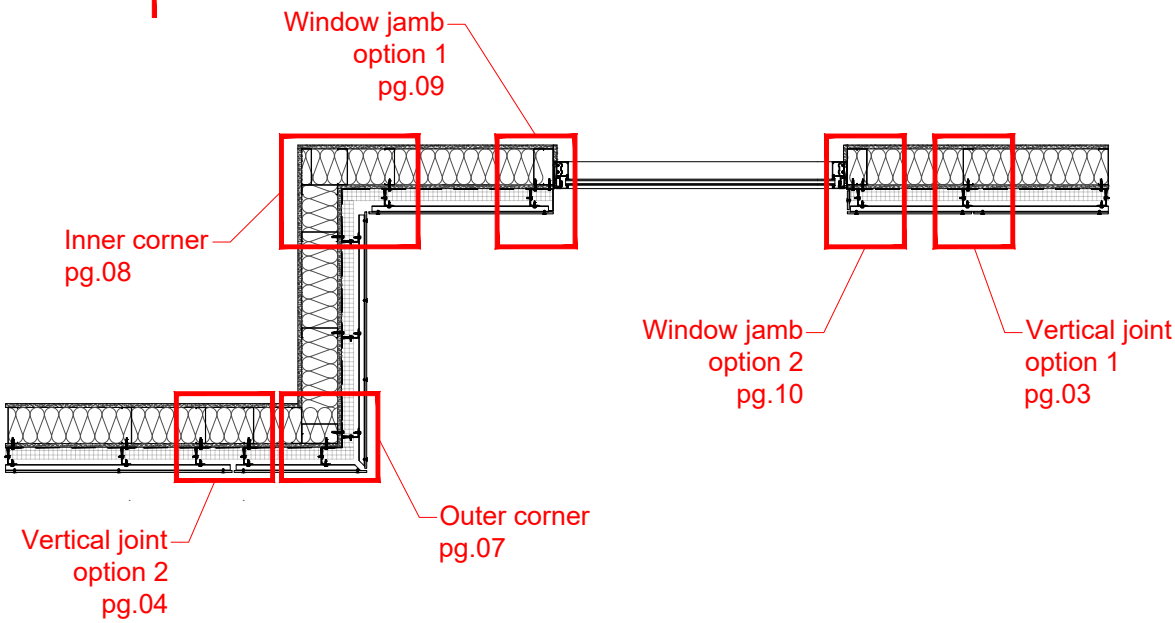
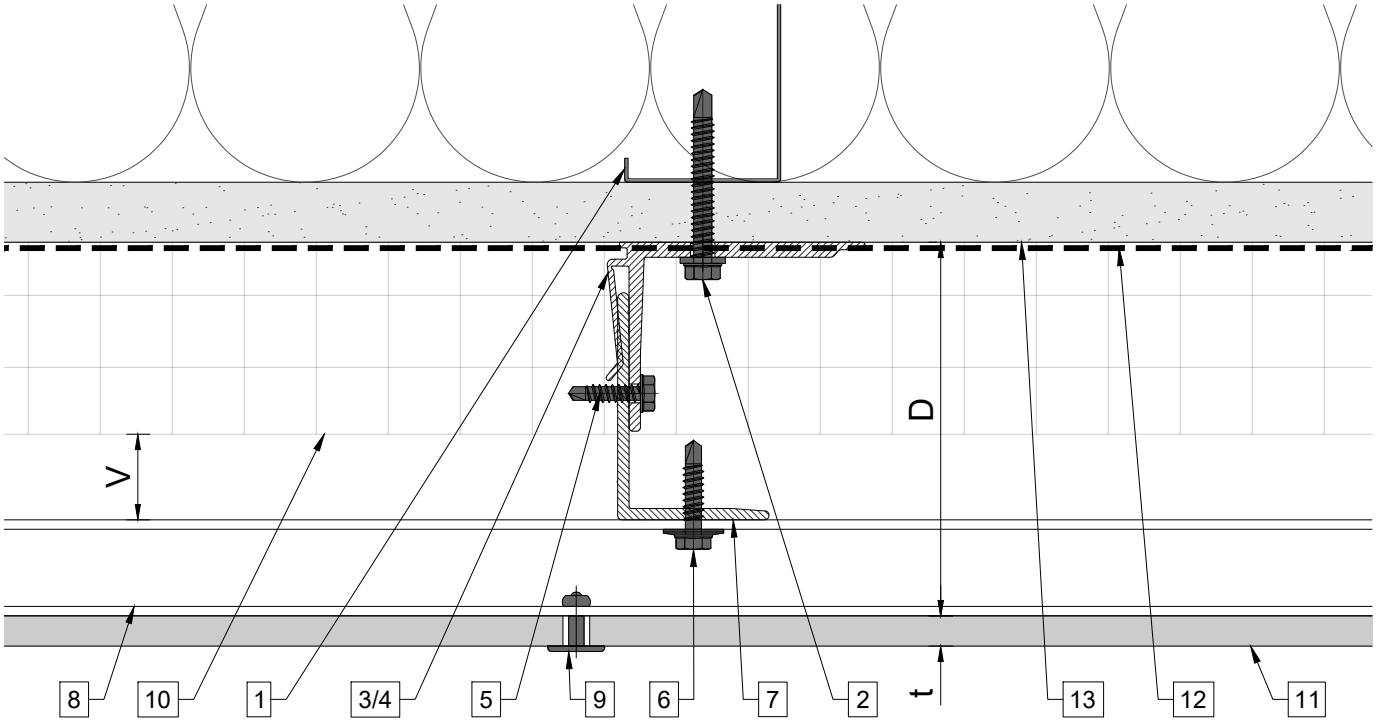
Elevation and floor plan





System depth



System depth				
Bracket	min. D system depth	max. D system depth	t panel thickness	V ventilation cavity
Alpha V 035 / Alpha V+ 035	2 $\frac{13}{16}$" (71mm)	3 $\frac{15}{16}$" (100mm)	varies	per manufacturer requirements typ. 1"
Alpha V 050 / Alpha V+ 050	3 $\frac{1}{16}$" (78mm)	4 $\frac{9}{16}$" (115mm)	varies	
Alpha V 080 / Alpha V+ 080	4 $\frac{1}{4}$" (108mm)	5 $\frac{3}{4}$" (145mm)	varies	
Alpha V 100 / Alpha V+ 100	5 $\frac{1}{16}$" (128mm)	6 $\frac{1}{2}$" (165mm)	varies	
Alpha V 115 / Alpha V+ 115	5 $\frac{5}{8}$" (143mm)	7 $\frac{1}{8}$" (180mm)	varies	
Alpha V 135 / Alpha V+ 135	6 $\frac{7}{16}$" (163mm)	7 $\frac{7}{8}$" (200mm)	varies	
Alpha V 150 / Alpha V+ 150	7" (178mm)	8 $\frac{1}{2}$" (215mm)	varies	
Alpha V 170 / Alpha V+ 170	7 $\frac{13}{16}$" (198mm)	9 $\frac{1}{4}$" (235mm)	varies	
Alpha V 185 / Alpha V+ 185	8 $\frac{3}{8}$" (213mm)	9 $\frac{7}{8}$" (250mm)	varies	
Alpha V 200 / Alpha V+ 200	9" (228mm)	10 $\frac{1}{2}$" (265mm)	varies	
Alpha V 220 / Alpha V+ 220	9 $\frac{3}{4}$" (248mm)	11 $\frac{1}{4}$" (285mm)	varies	
Alpha V 255 / Alpha V+ 255	11 $\frac{3}{16}$" (283mm)	12 $\frac{5}{8}$" (320mm)	varies	

Legend

1. Steel stud (16 GA typical)
2. Perimeter anchor
3. Alpha V wall bracket
4. Alpha V+ wall bracket
5. st/st self-drilling screw $\frac{3}{16}$"x$\frac{3}{4}$"
6. st/st self-drilling screw #14x1
7. Vertical L-profile
8. Horizontal 1" Z-profile
9. Blind rivet
10. Insulation
11. Panel
12. A/V barrier
13. Exterior wall
14. Outer corner closure (0.0329" max. thickness)
15. Inner corner closure (0.0329"" max. thickness)
16. Jamb closure
17. Aluminum angle
18. Coping
19. Perforated window head closure
20. Window sill
21. Perforated base closure

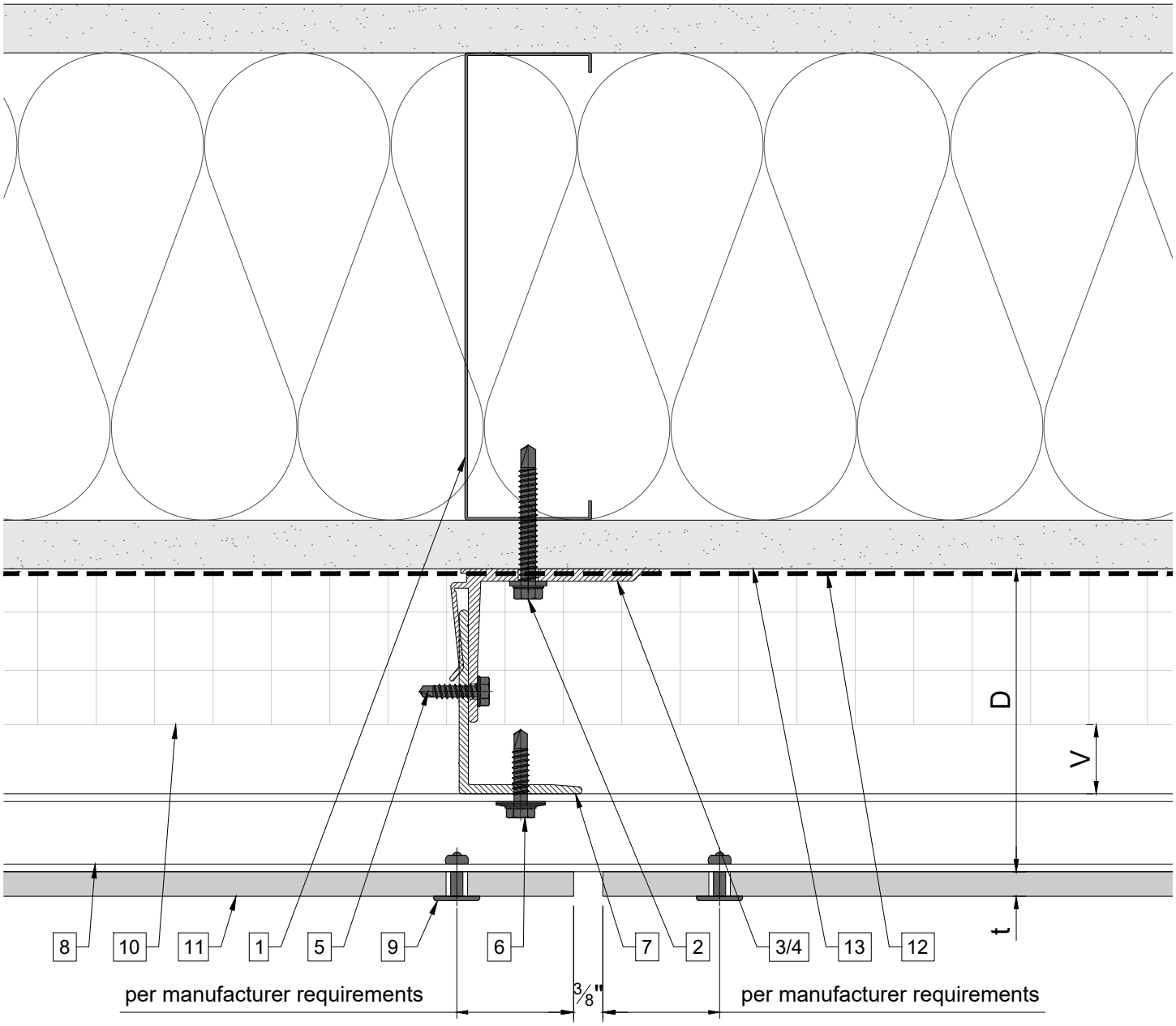
D - System depth

t - Panel thickness

* Ventilation will vary based on insulation depth.

** Minimum ventilation requirement should be qualified by panel manufacturer.

Vertical joint (option 1)



Legend

1. Steel stud (16 GA typical)
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D - System depth

t - Panel thickness

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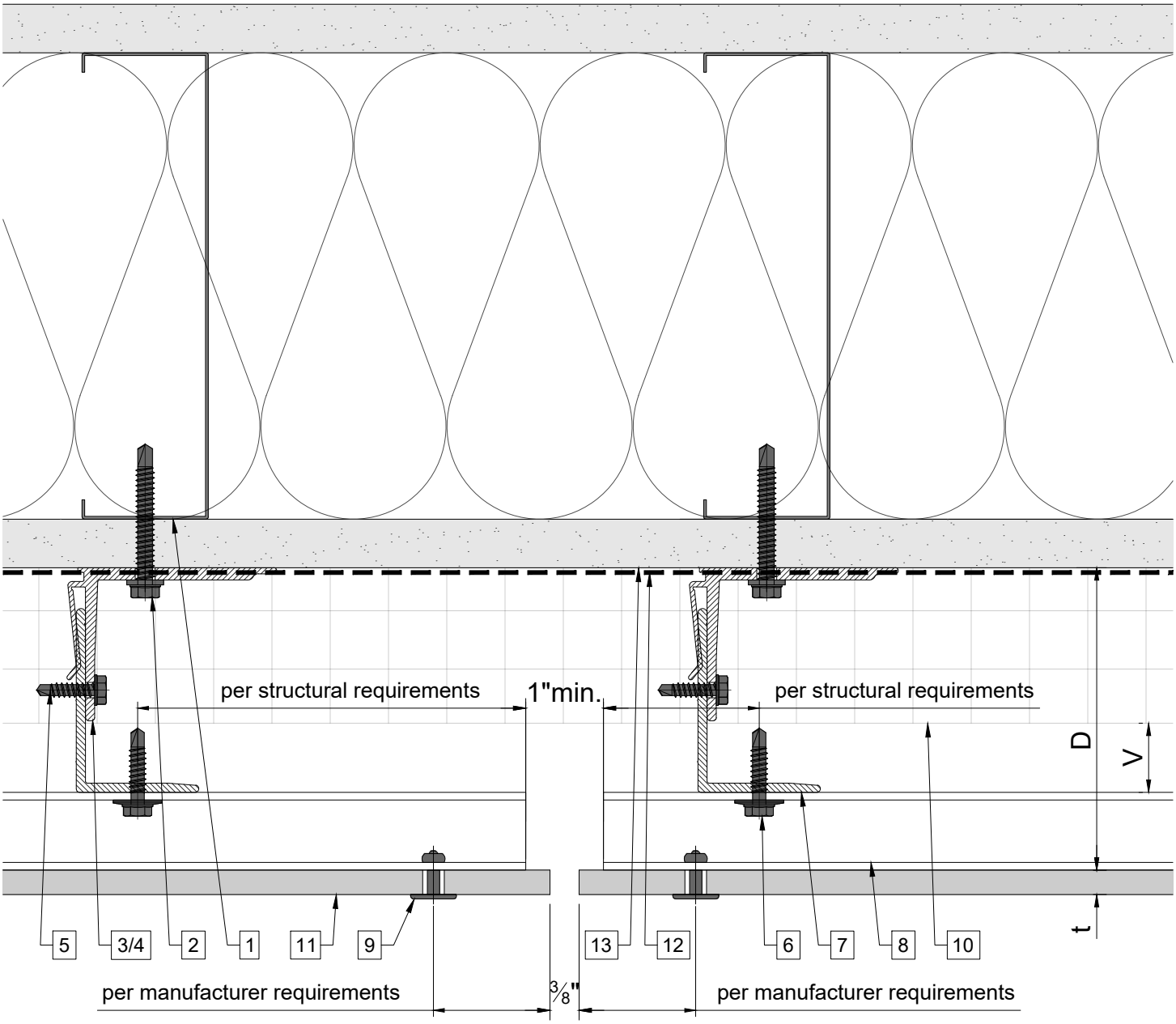
** Minimum ventilation requirement should be qualified by panel manufacturer.

Vertical joint (option 2)



Legend

1. Steel stud (16 GA typical)
2. Perimeter anchor
3. Alpha V wall bracket
4. Alpha V+ wall bracket
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21. Perforated base closure

D - System depth

t - Panel thickness

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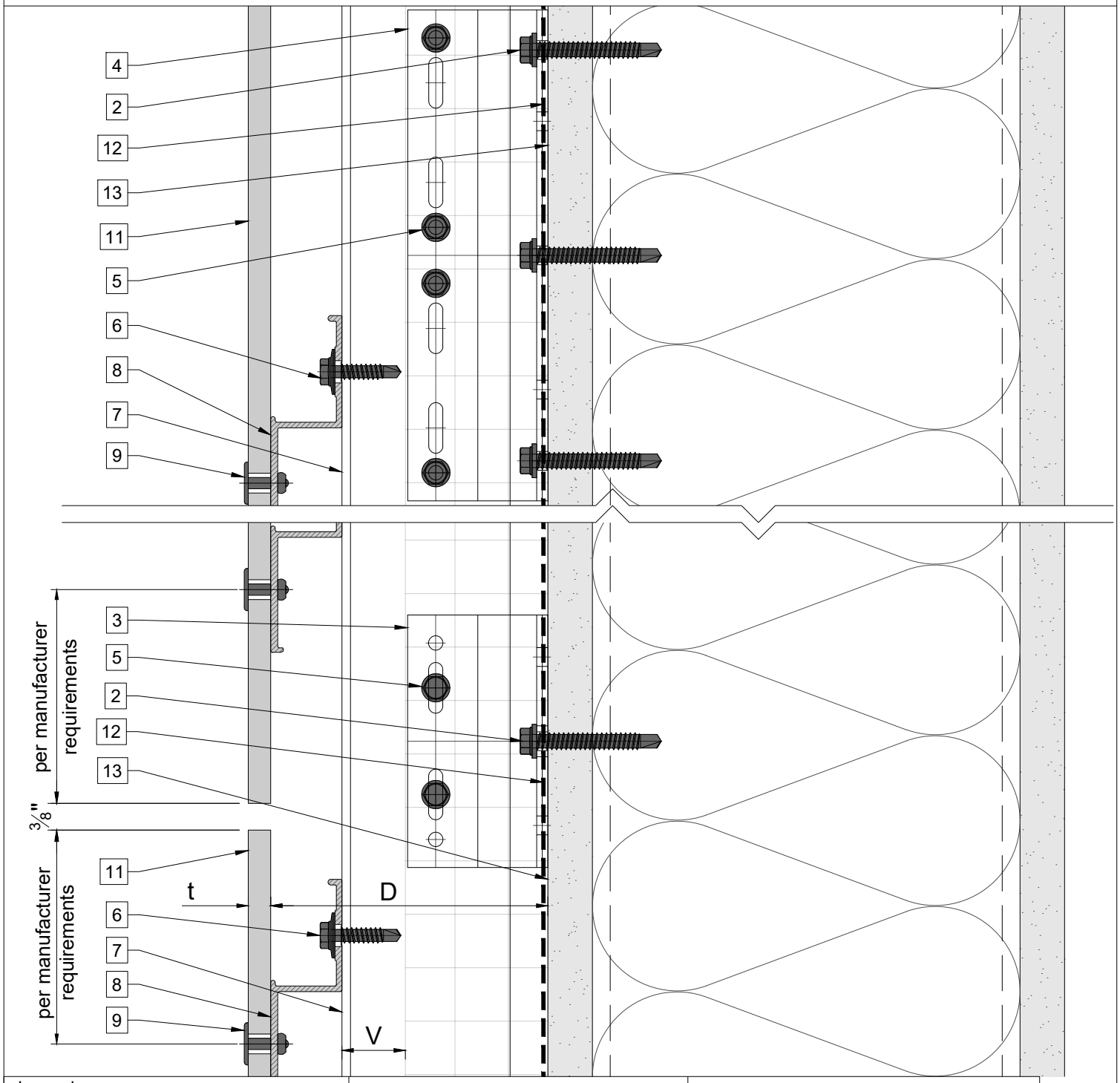
** Minimum ventilation requirement should be qualified by panel manufacturer.

Horizontal joint (option 1)



Legend

1. Steel stud (16 GA typical)
2. Perimeter anchor
3. Alpha V wall bracket
4. Alpha V+ wall bracket
5. st/st self-drilling screw $\frac{3}{16}$"x$\frac{3}{4}$"
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18. Coping
19. Perforated window head closure
20. Window sill
21. Perforated base closure

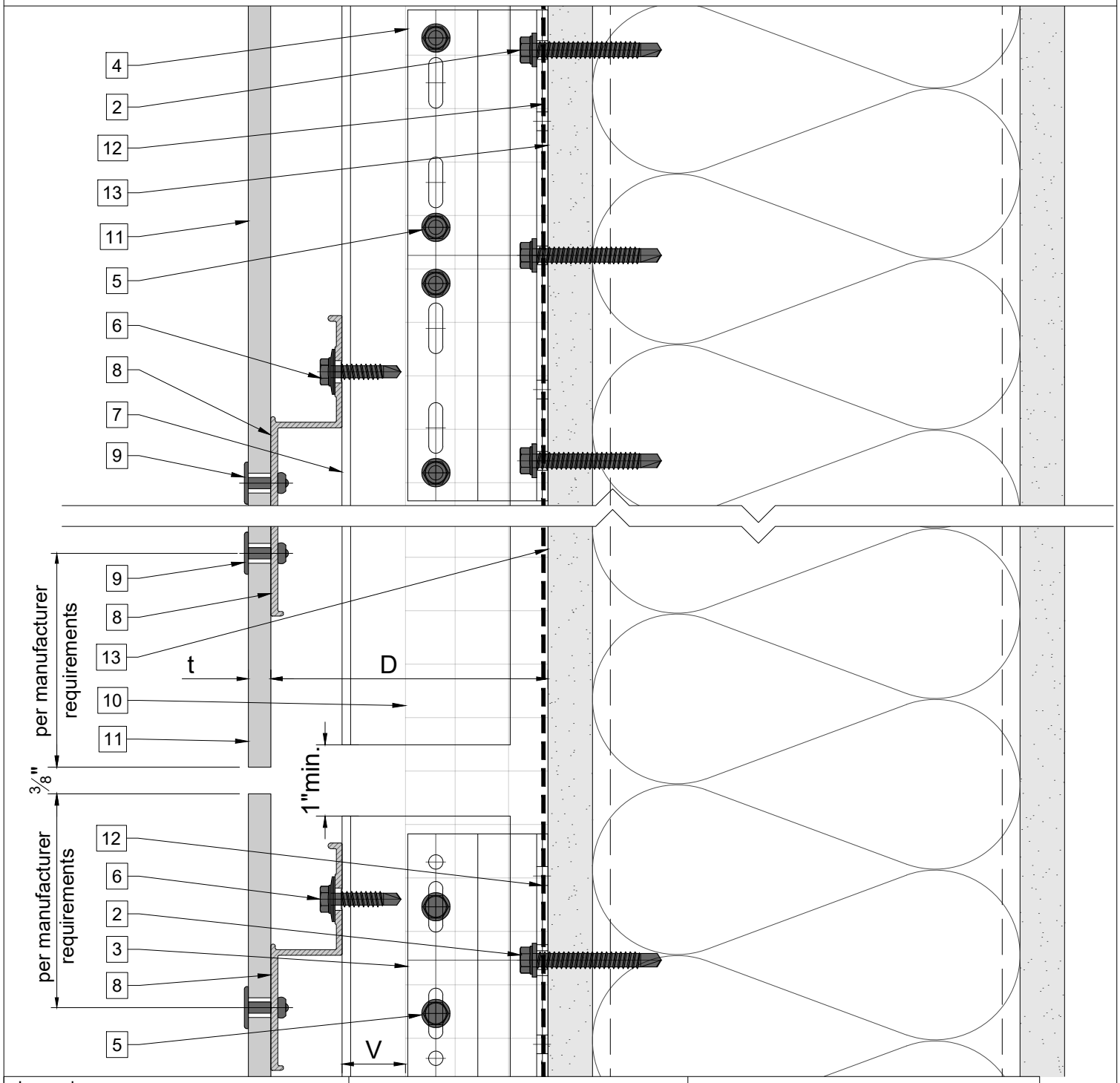
D - System depth

t - Panel thickness

* Ventilation will vary based on insulation depth.

** Minimum ventilation requirement should be qualified by panel manufacturer.

Horizontal joint (option 2)



Legend

1. Steel stud (16 GA typical)
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4. Alpha V+ wall bracket
5. st/st self-drilling screw $\frac{3}{16}$"x$\frac{3}{4}$"
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D - System depth

t - Panel thickness

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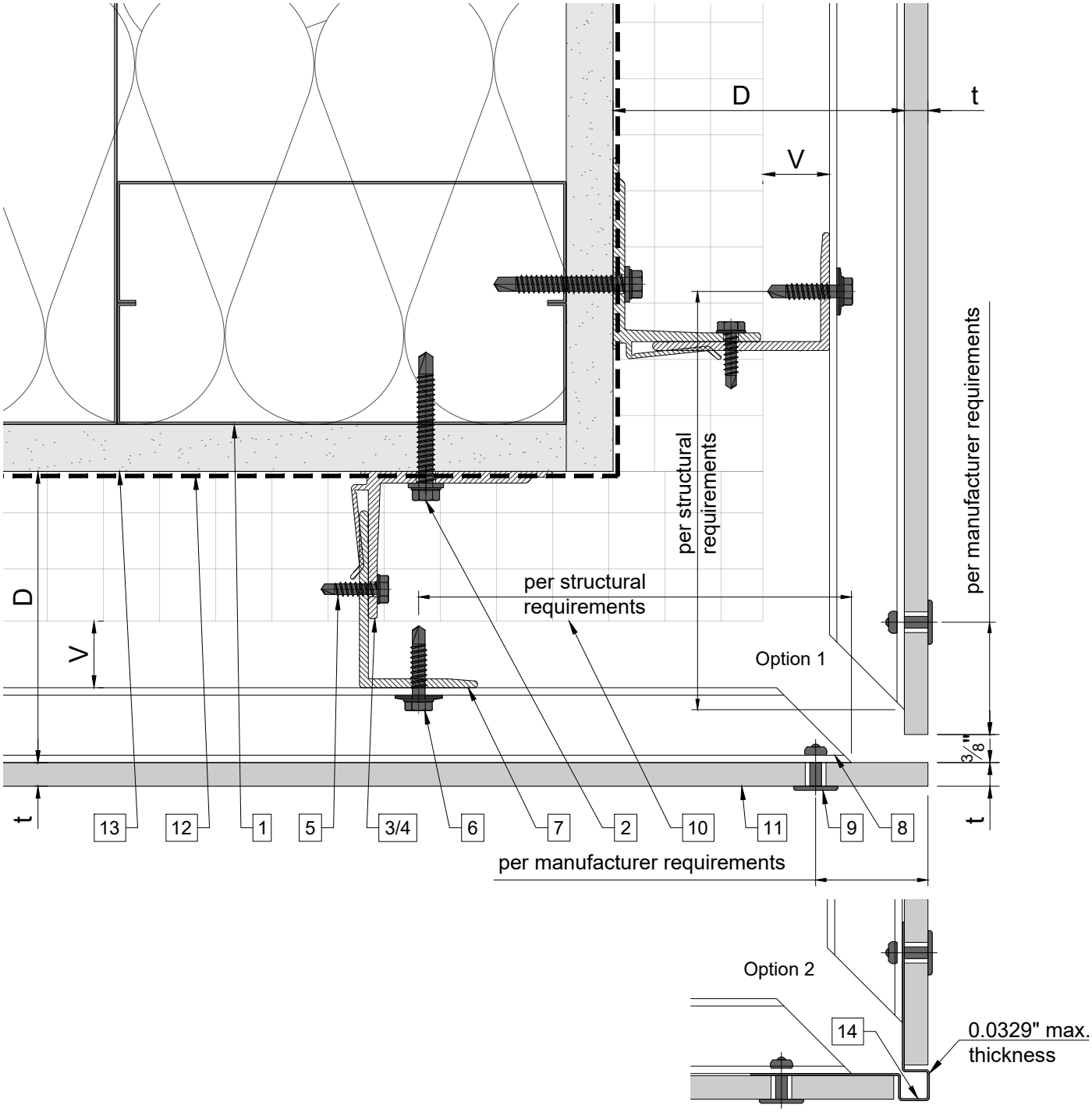
Outer corner



Legend

1. Steel stud (16 GA typical)
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5. st/st self-drilling screw $\frac{3}{16}$"x$\frac{3}{4}$"
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D - System depth

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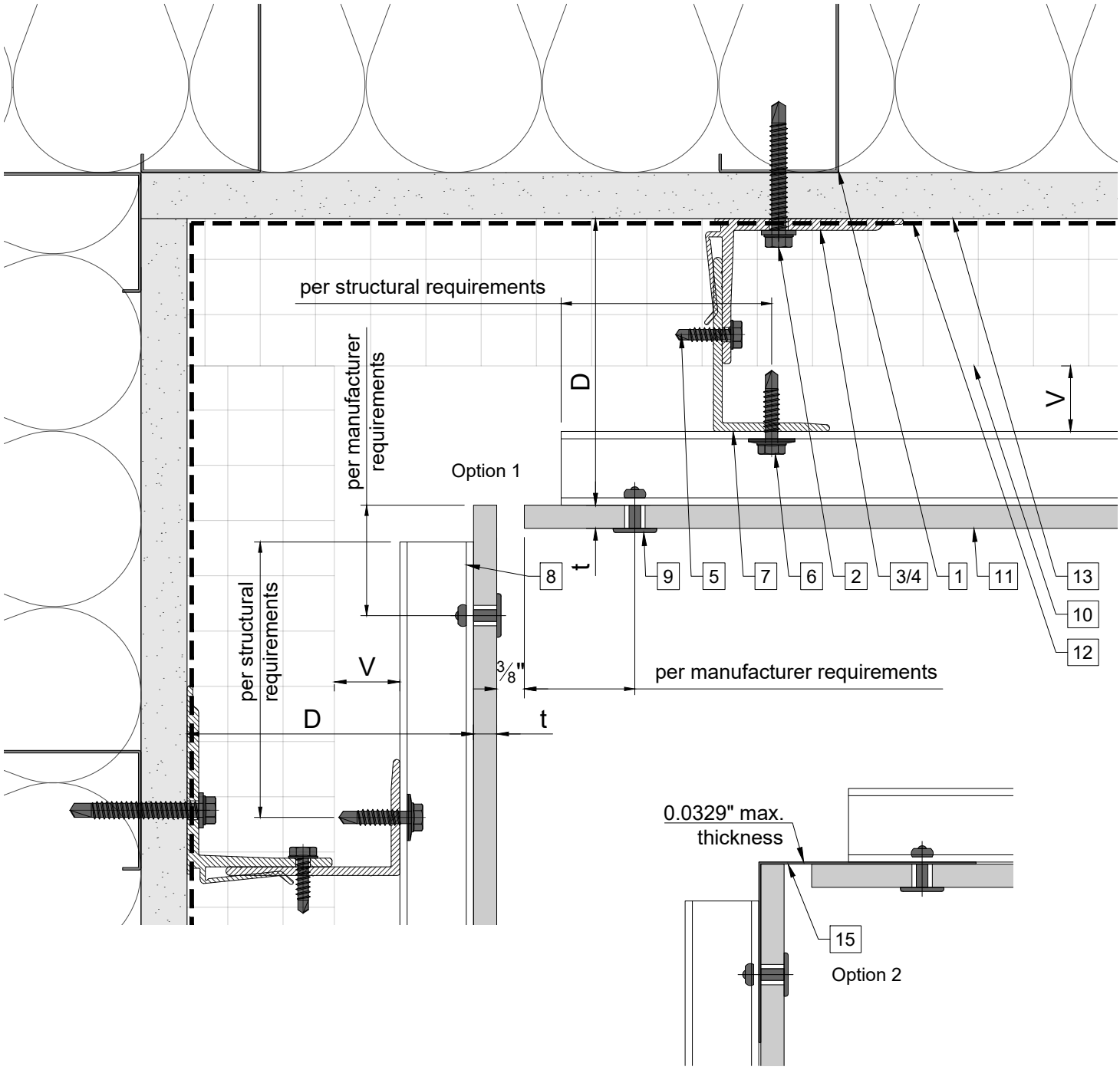
Inner corner



Legend

1. Steel stud (16 GA typical)
2. Perimeter anchor
3. Alpha V wall bracket
4. Alpha V+ wall bracket
5. st/st self-drilling screw $\frac{3}{16}$"x$\frac{3}{4}$"
6. st/st self-drilling screw #14x1
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9. Blind rivet
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17. Aluminum angle
18. Coping
19. Perforated window head closure
20. Window sill
21. Perforated base closure

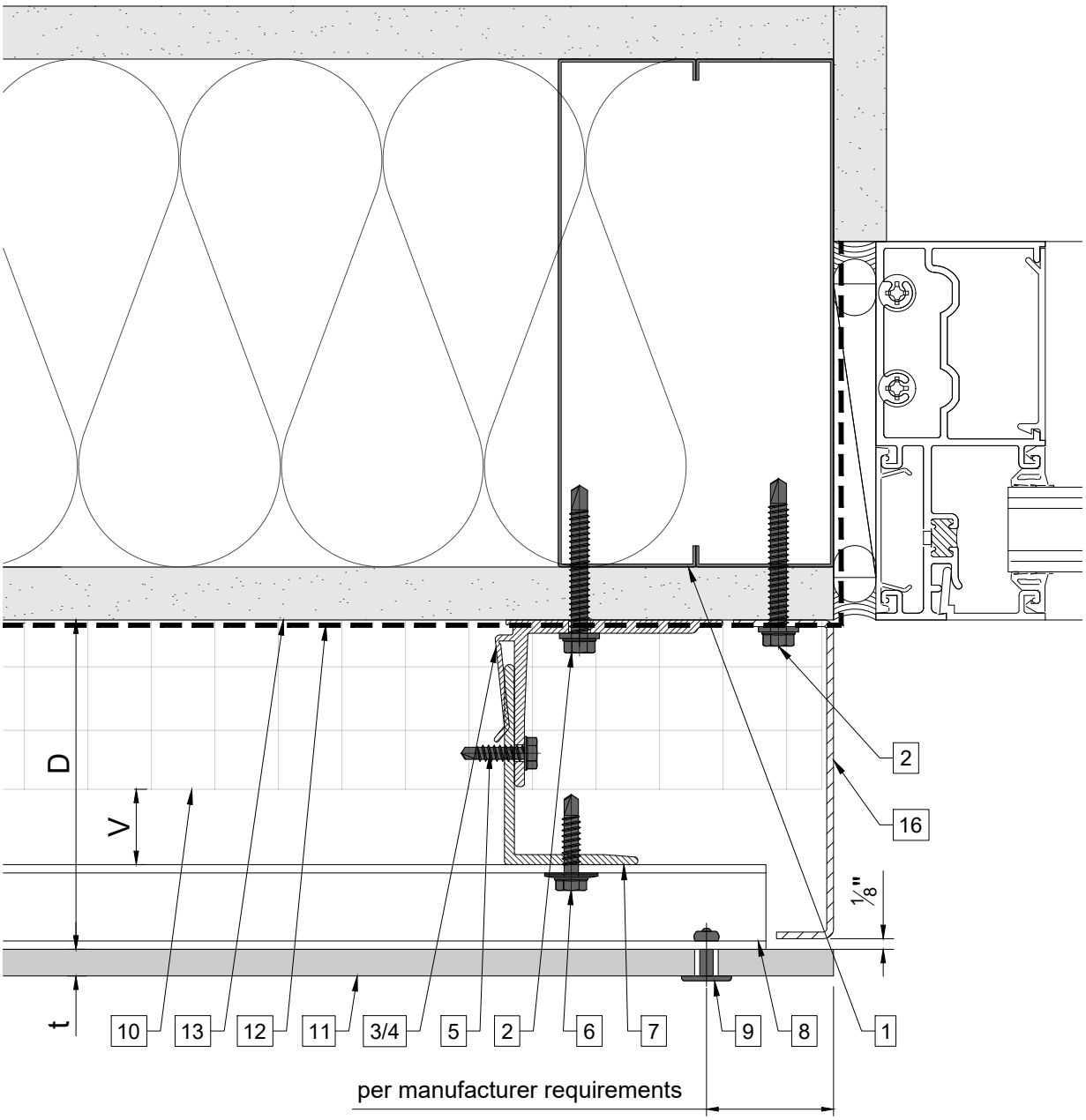
D - System depth

t - Panel thickness

* Ventilation will vary based on insulation depth.

** Minimum ventilation requirement should be qualified by panel manufacturer.

Window jamb (option 1)



Legend

1. Steel stud (16 GA typical)
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D - System depth

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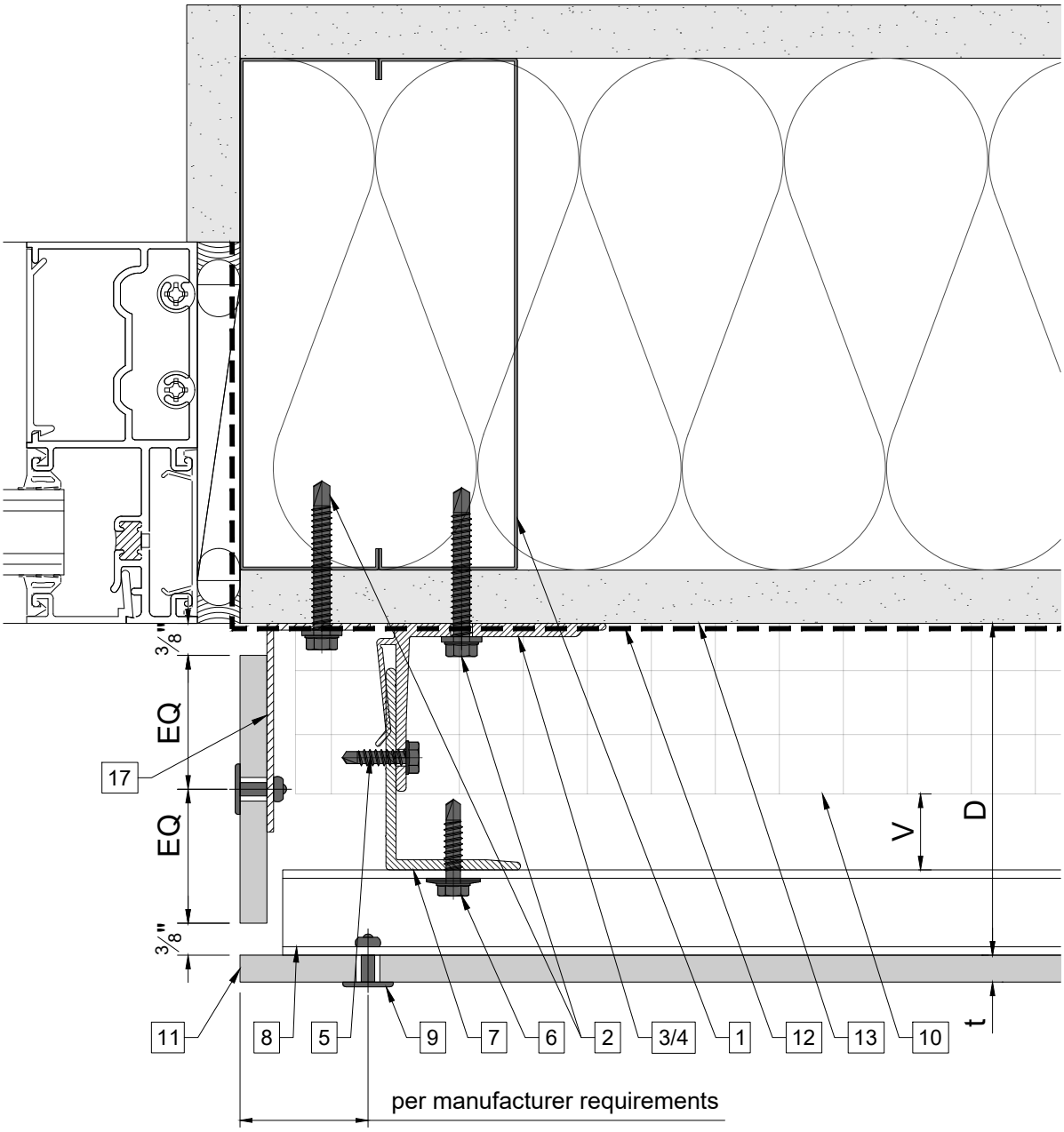
* Ventilation will vary based on insulation depth.

** Minimum ventilation requirement should be qualified by panel manufacturer.

Window jamb (option 2)



Legend

1. Steel stud (16 GA typical)
2. Perimeter anchor
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5. st/st self-drilling screw $\frac{3}{16}$"x$\frac{3}{4}$"
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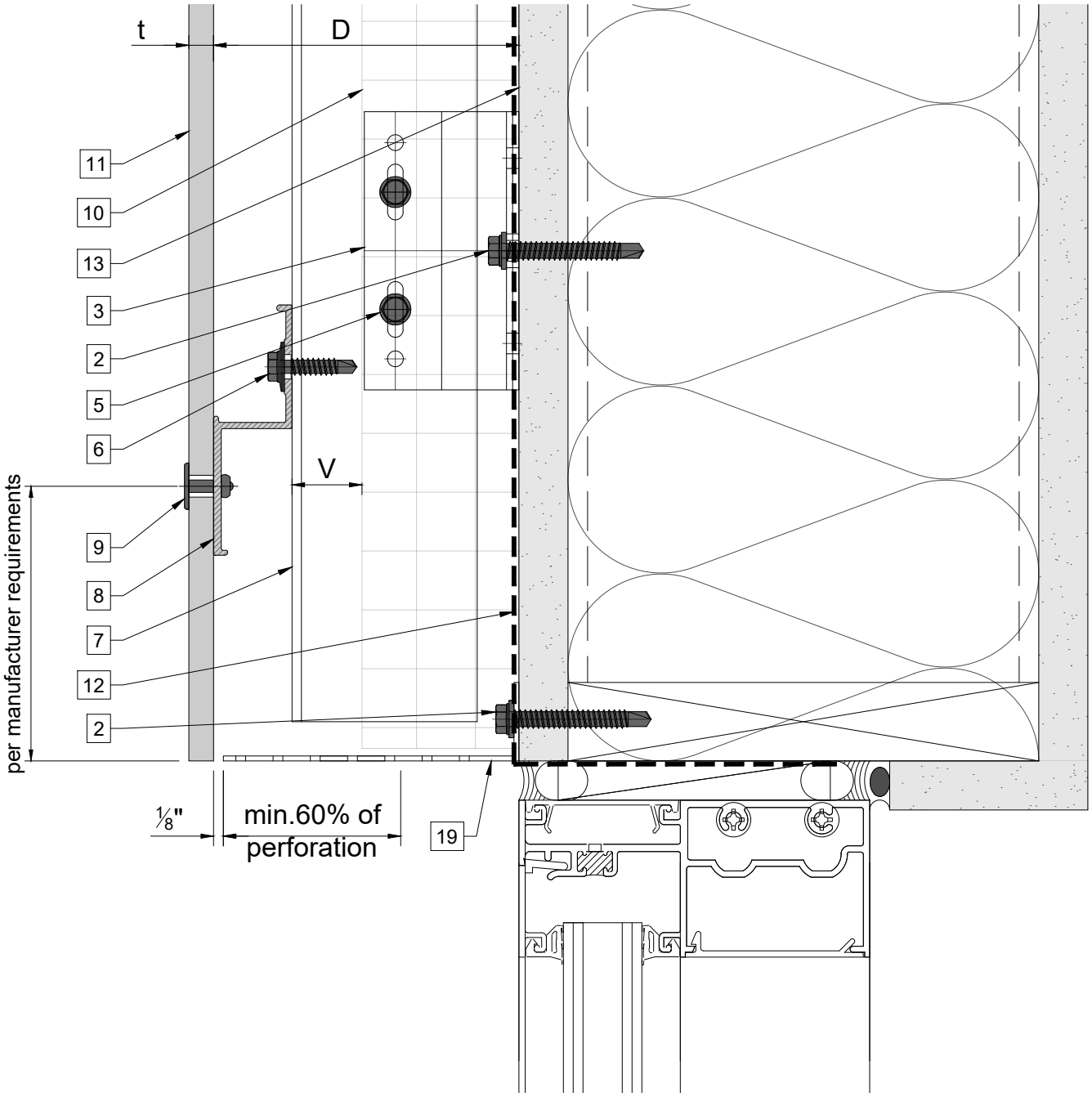
D - System depth

t - Panel thickness

* Ventilation will vary based on insulation depth.

** Minimum ventilation requirement should be qualified by panel manufacturer.

Window head (option 1)



Legend

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D - System depth

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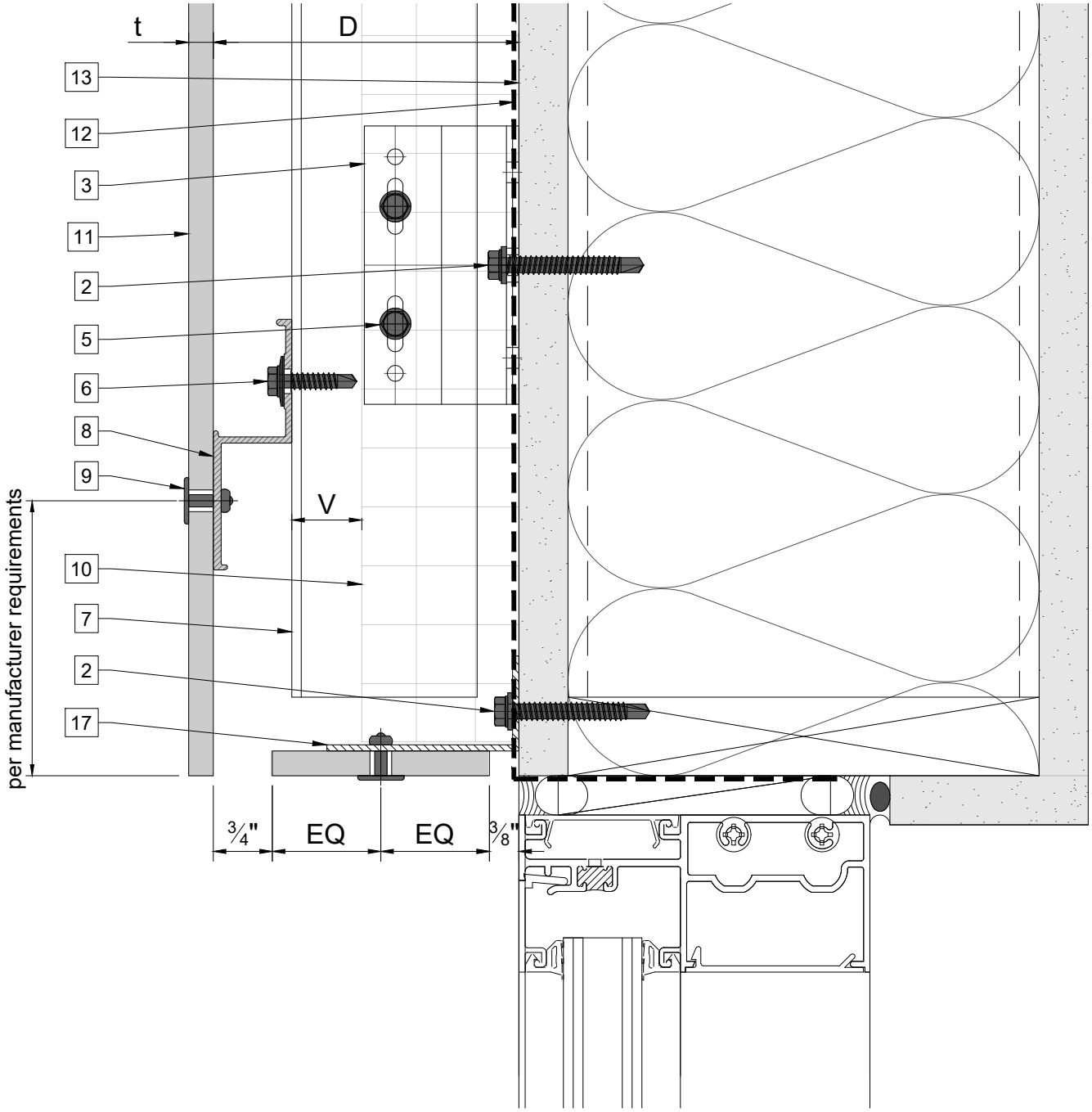
Window head (option 2)



Legend

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D - System depth

t - Panel thickness

* Ventilation will vary based on insulation depth.

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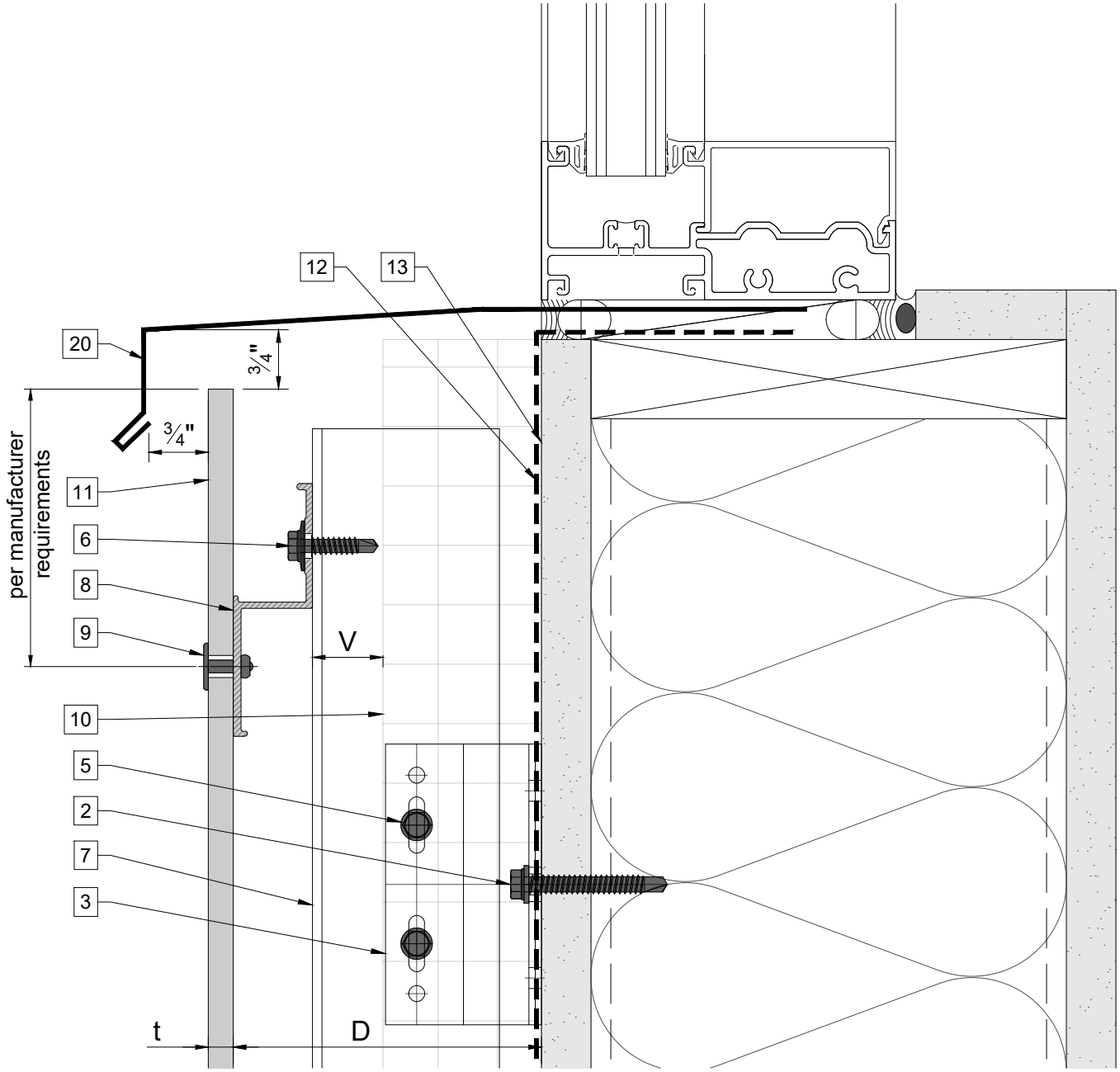
Window sill



Legend

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D - System depth

t - Panel thickness

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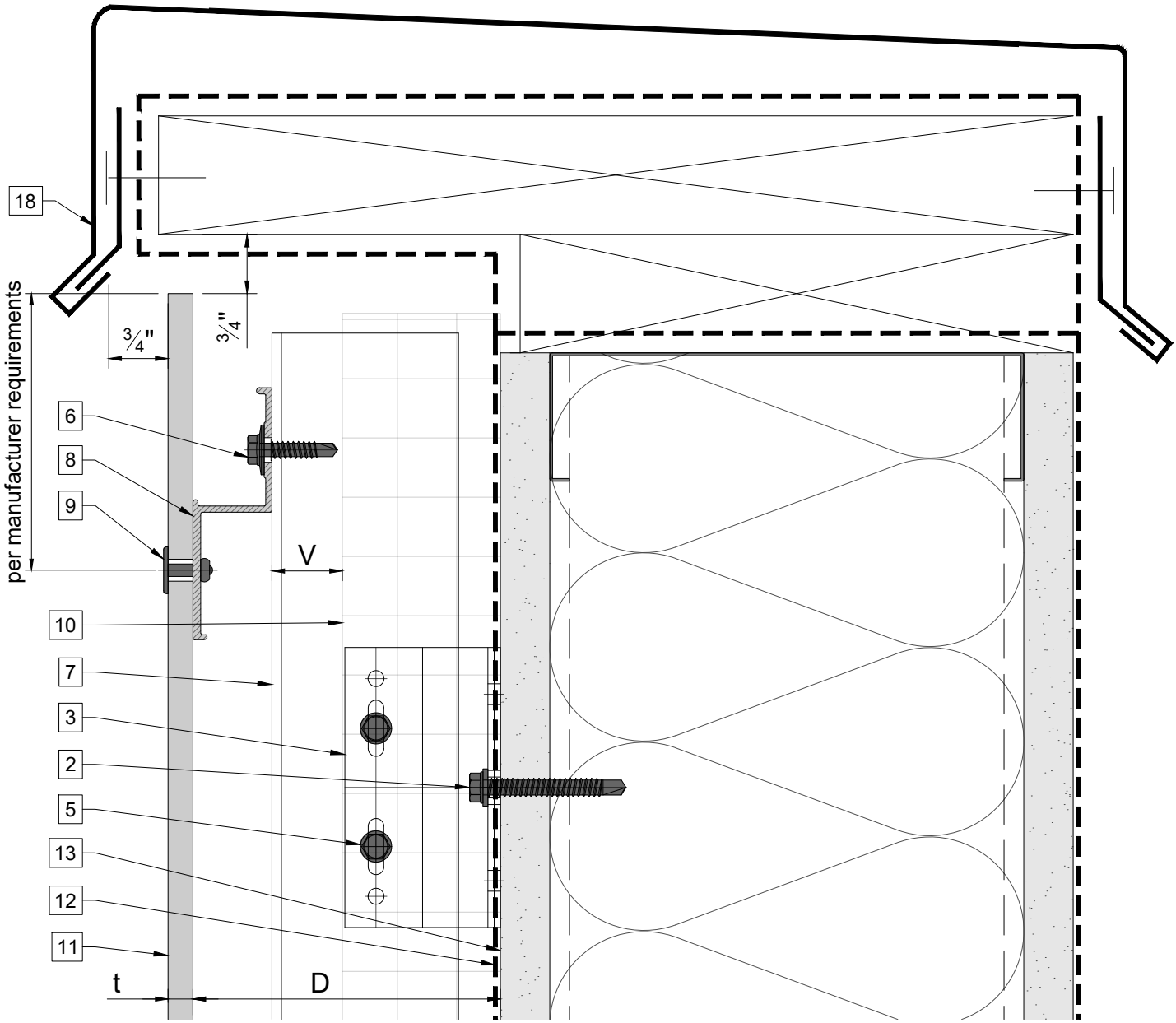
Coping detail



Legend

1. Steel stud (16 GA typical)
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D - System depth

t - Panel thickness

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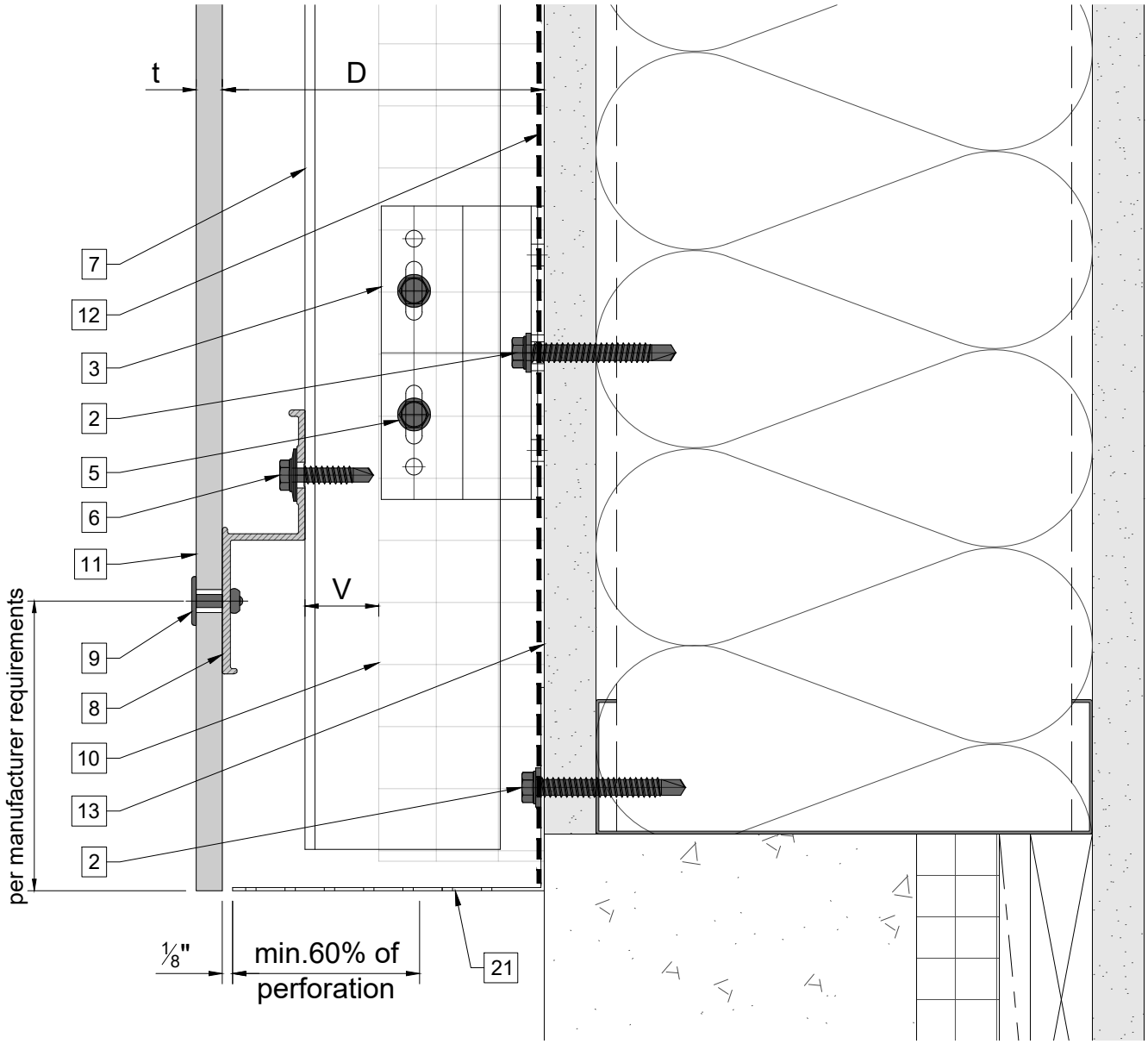
Base detail



Legend

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