

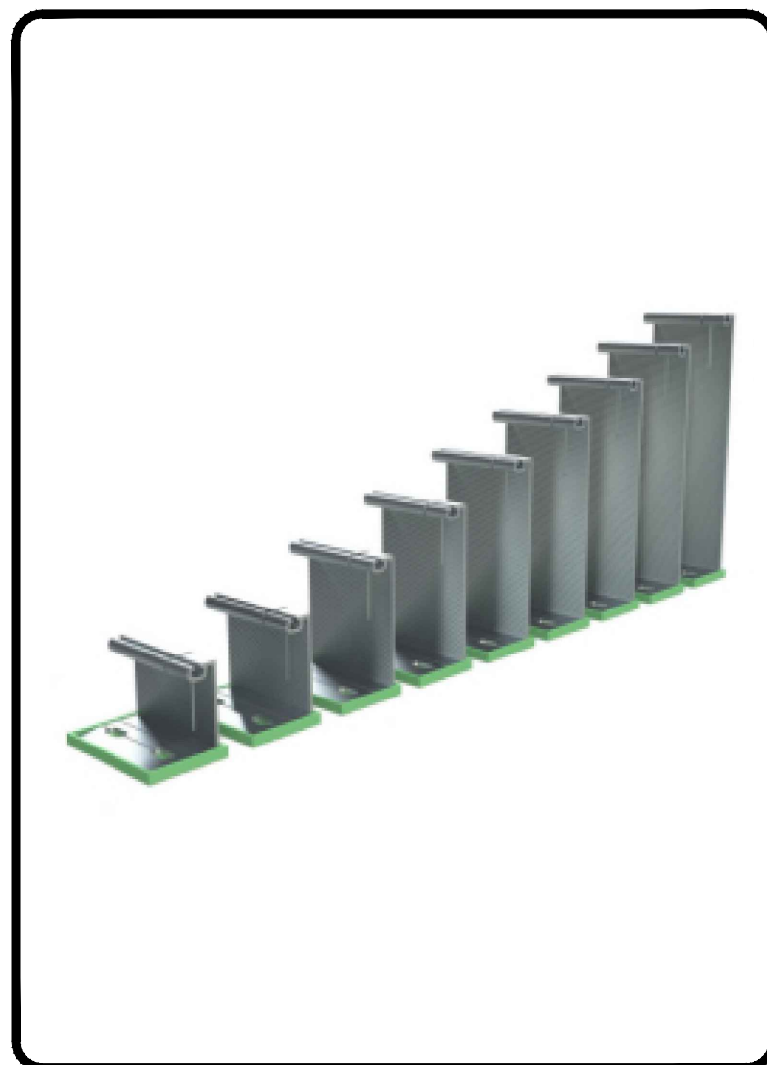
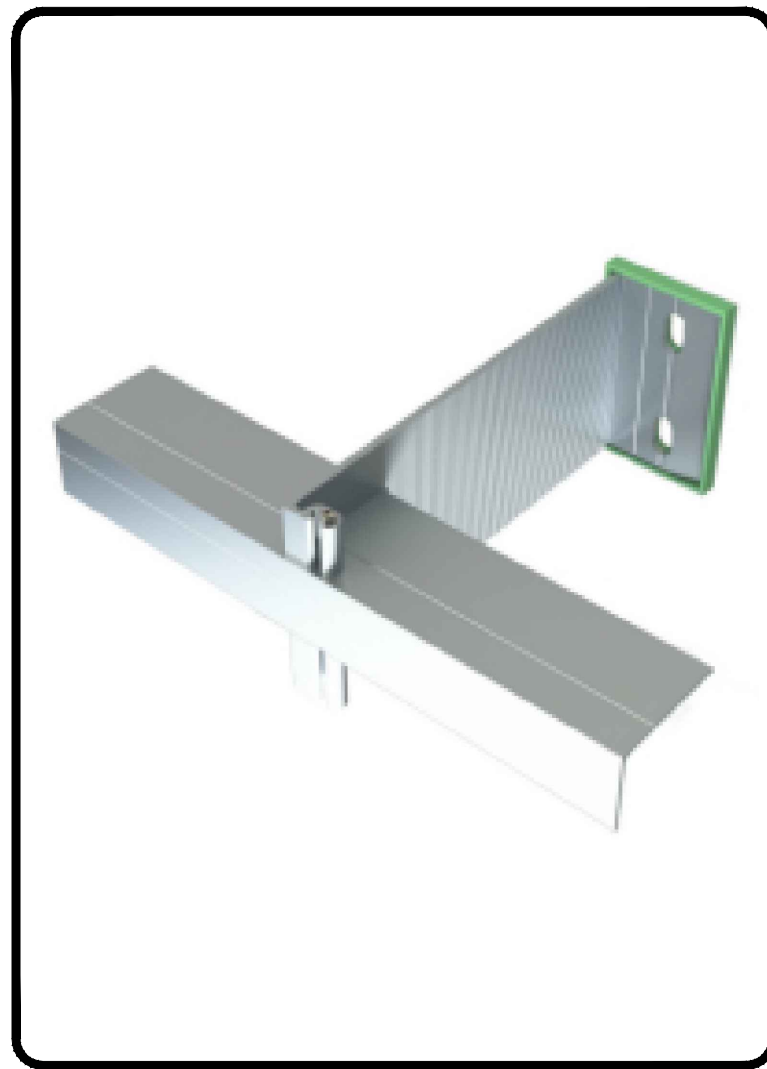
aluminium support system for  
rainscreen cladding



## NVELOPE NH3 SYSTEM

### CONTENTS:

NH3-00	NVELOPE system detail sheet
NH3-01	Tolerances for bracket adjustment
NH3-02	Rail and adaptor overview
NH3-03	System fastener overview
NH3-04	Cladding view locations
NH3-05	Section – Base of Cladding
NH3-06	Section – Horizontal panel joint
NH3-07	Section – Horizontal center panel
NH3-08	Section – Top of cladding
NH3-09	Section – Window sill
NH3-10	Section – Window head
NH3-11	Plan – Window jamb
NH3-12	Plan – External corner
NH3-13	Plan – Vertical panel joint
NH3-14	Plan – Inside corner
NH3-15	Plan – Bracket install guide



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The following detail set was drawn  
and scaled using millimeter units

SHEET

# NH3-01

SHEET TITLE

## Tolerances for Bracket Adjustment



# NH3 DETAIL SET

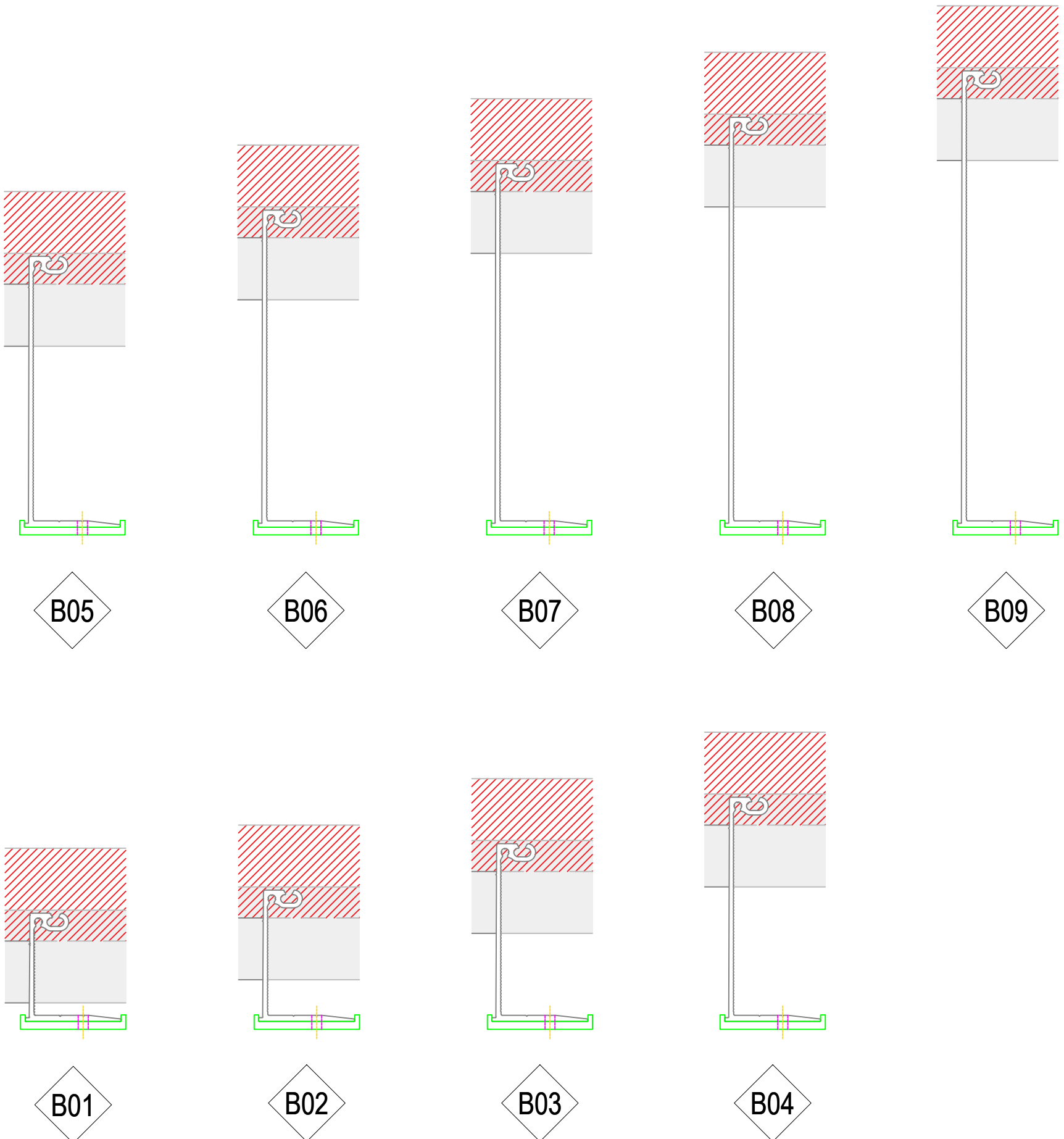
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1:3

NO:	BRACKET HEIGHT	MIN CAVITY	MAX CAVITY
B01	2.95" (75mm)	3.03" (77mm)	4.61" (117mm)
B02	3.54" (90mm)	3.62" (92mm)	5.19" (132mm)
B03	4.72" (120mm)	4.80" (122mm)	6.37" (162mm)
B04	5.91" (150mm)	5.98" (152mm)	7.56" (192mm)
B05	7.09" (180mm)	7.16" (182mm)	8.74" (222mm)
B06	8.27" (210mm)	8.35" (212mm)	9.92" (252mm)
B07	9.45" (240mm)	9.52" (242mm)	11.10" (282mm)
B08	10.63" (270mm)	10.70" (272mm)	12.26" (312mm)
B09	11.81" (300mm)	11.89" (302mm)	13.46" (342mm)

Brackets are made for specific substrates. The following depicts brackets for steel/wood stud installation. See installation instructions for more details.



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# NH3-02

SHEET TITLE

## Rail and Adaptor Overview



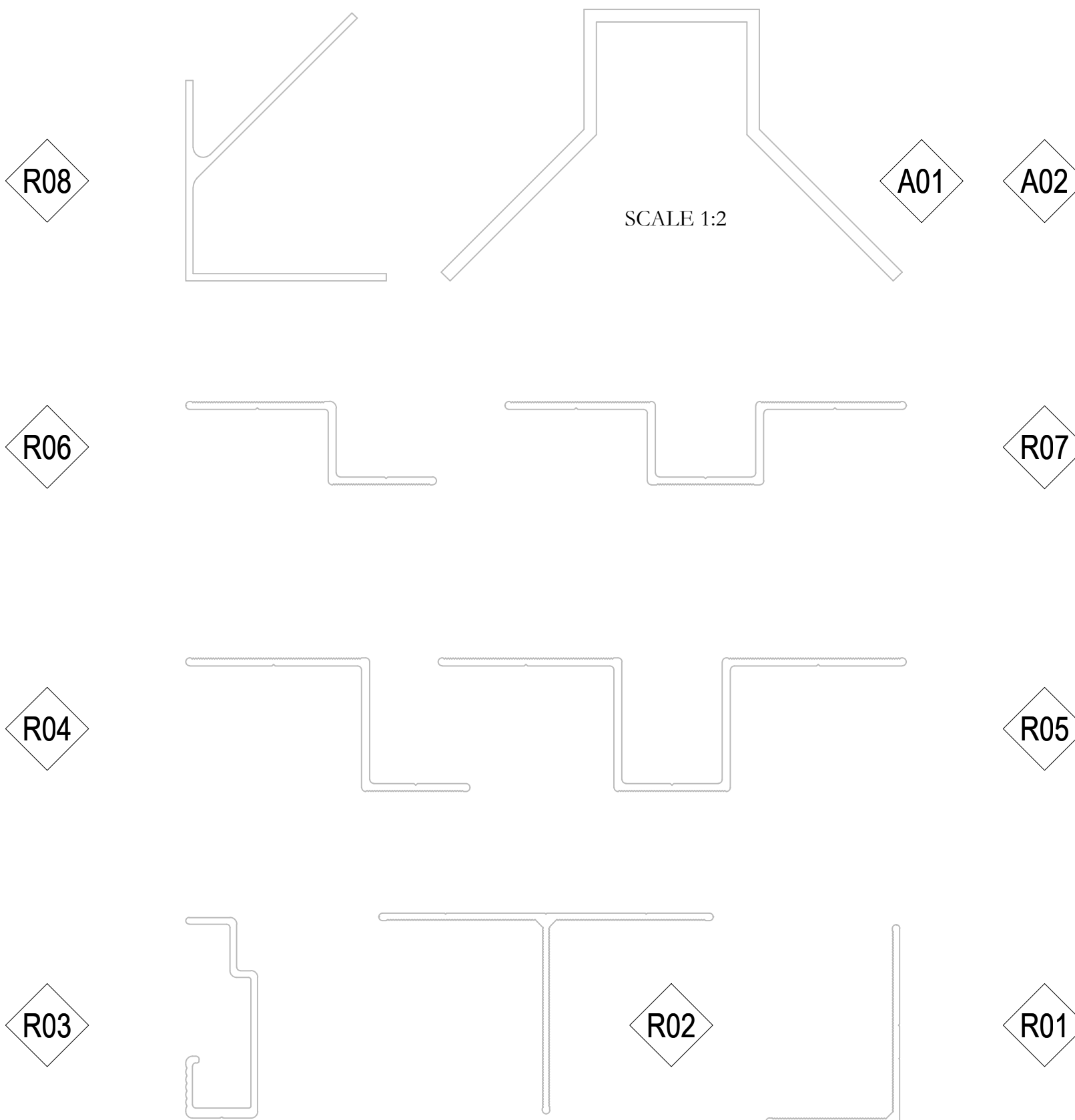
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NO:	DESCRIPTION	HEIGHT	FACE WIDTH (S)	THICKNESS	LENGTH
R01	L Rail	2 3/8" (60mm)	1 1/2" (40mm)	0.087" (2.2mm)	9' 10 1/8" (3m)
R02	T Rail	2 3/8" (60mm)	3 7/8" (100mm)	0.087" (2.2mm)	9' 10 1/8" (3m)
R03	NV3 Rail	2 3/8" (60mm)	27/32" (21.5mm)	0.079" (2mm)	9' 10 1/8" (3m)
R04	1 1/2" Zed Rail	1 1/2" (40mm)	2 1/8" & 1 1/8" (55mm / 30mm)	0.094" (2.4mm)	9' 10 1/8" (3m)
R05	1 1/2" Omega Rail	1 1/2" (40mm)	2 1/8" & 1 1/8" (55mm / 30mm)	0.094" (2.4mm)	9' 10 1/8" (3m)
R06	1" Zed Rail	1" (25mm)	1 3/4" & 1 1/8" (45mm / 30mm)	0.094" (2.4mm)	9' 10 1/8" (3m)
R07	1" Omega Rail	1" (25mm)	1 3/4" & 1 1/8" (45mm / 30mm)	0.094" (2.4mm)	9' 10 1/8" (3m)
R08	Corner Rail	2 13/16" (71mm)	2 3/8" & 2 3/8" (60mm / 60mm)	0.087" (2.2mm)	9' 10 1/8" (3m)
A01	Single Corner Bracket	4 1/4" (108mm)	2 3/4" (70mm)	0.197" (5mm)	2 15/16" (75mm)
A02	Double Corner Bracket				5 29/32" (150mm)



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# NH3-03

SHEET TITLE

## System Fastener Overview



# NH3 DETAIL SET

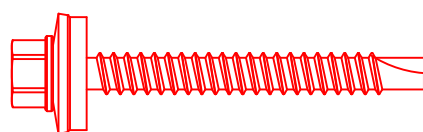
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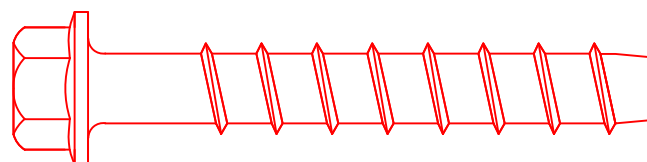
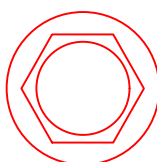
SCALE  
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NO:	TYPICAL USE & APPLICATION	LENGTH	DIAMETER	HEAD/DRIVE	POINT STYLE
F01	Nvelope Bracket to Steel Stud Framing	2" (50mm)	#14 (6.5mm)	5/16" (8mm) HWH	SD2 Self Drill
F02	Nvelope Bracket to CMU Substrate	3" (75mm)	3/8" (10mm)	9/16" (14mm) HWH	Type B
F03	Nvelope Bracket to Concrete Wall	3 1/8" (80mm)	3/8" (10mm)	33/64" (13mm) HWH	Type B
F04	Nvelope Bracket to Wood Stud Framing	2 1/16" (52mm)	#14" (6.5mm)	5/16" (8mm) HWH	SD2 Self Drill
F05	Bracket to Rail Connections	1 3/4" (45mm)	#12 (5.5mm)	5/16" (8mm) HWH	SD3 Self Drill
F06	NV3 Hanger Securing Screw	1 5/8" (41mm)	#12 (5.4mm)	5/16" (8mm) HWH	SD3 Self Drill
F07	NV3 Hanger Adjusting Screw	3/4" (20mm)	1/4" (6mm)	3/8" (10mm) HH	NA
F08	Facade Panel to Rail	1 1/8" (29mm)	#12 (5.8mm)	5/8" (16mm) Dome	TYPE A
F09	Facade Panel to Rail	1 3/16" (30mm)	#12 (5.3mm)	5/8" (16mm) Dome	SD2 Self Drill
F10	Facade Panel to Rail	23/32" (18mm)	3/16" (5mm)	RIVET	NA

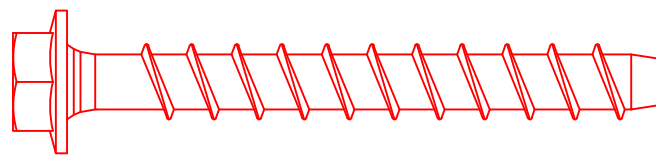
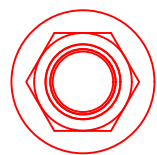
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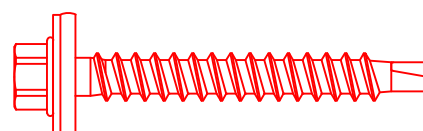
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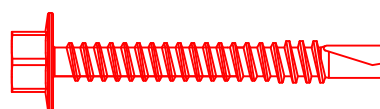
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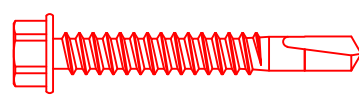
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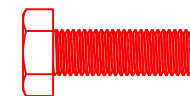
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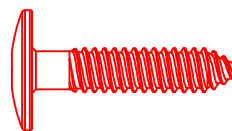
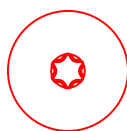
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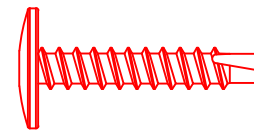
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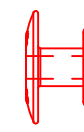
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F09



F10



SHEET

# NH3-04

SHEET TITLE

## Cladding View Locations

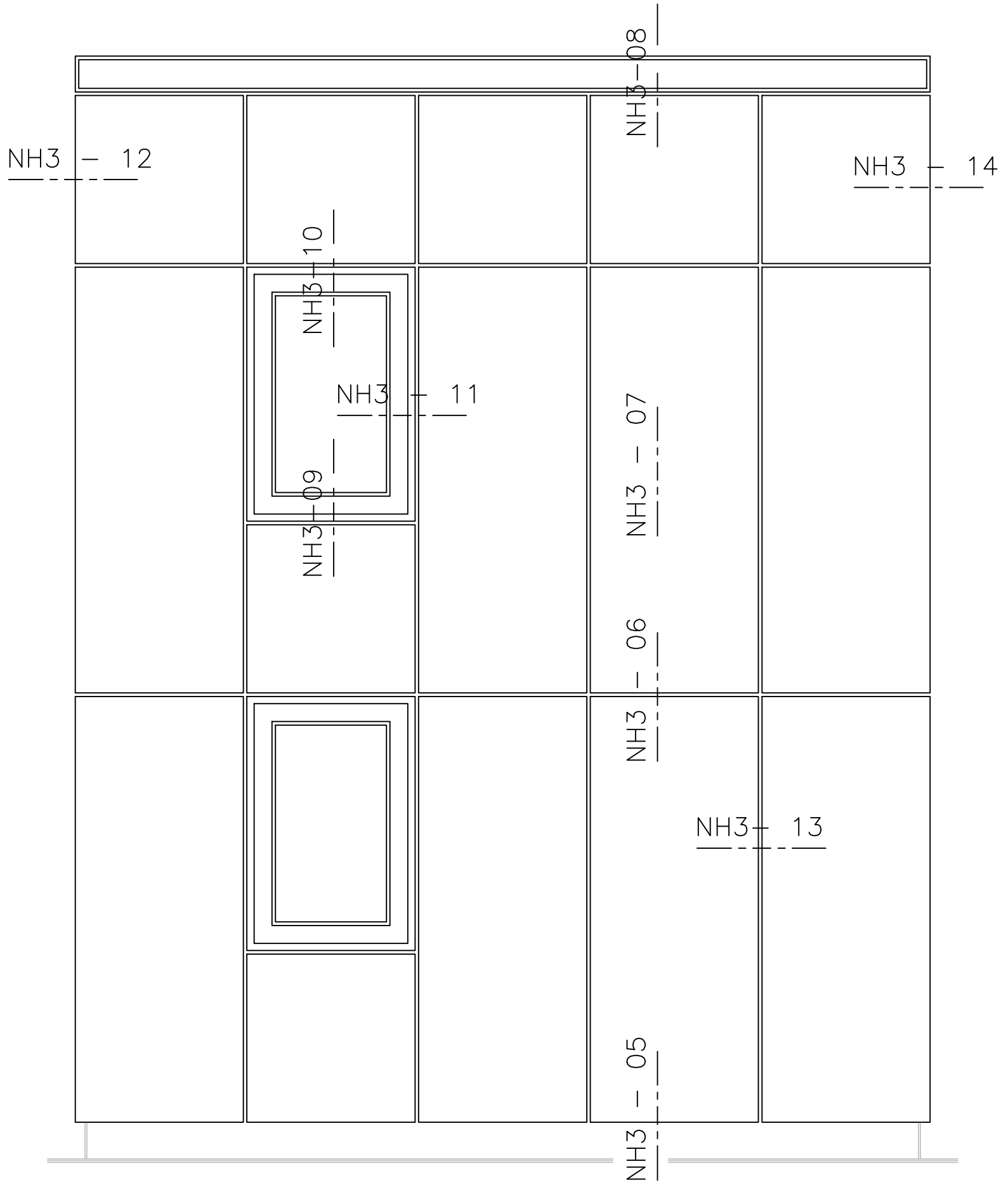


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SHEET

# NH3-05

SHEET TITLE

## Section - Base of Cladding

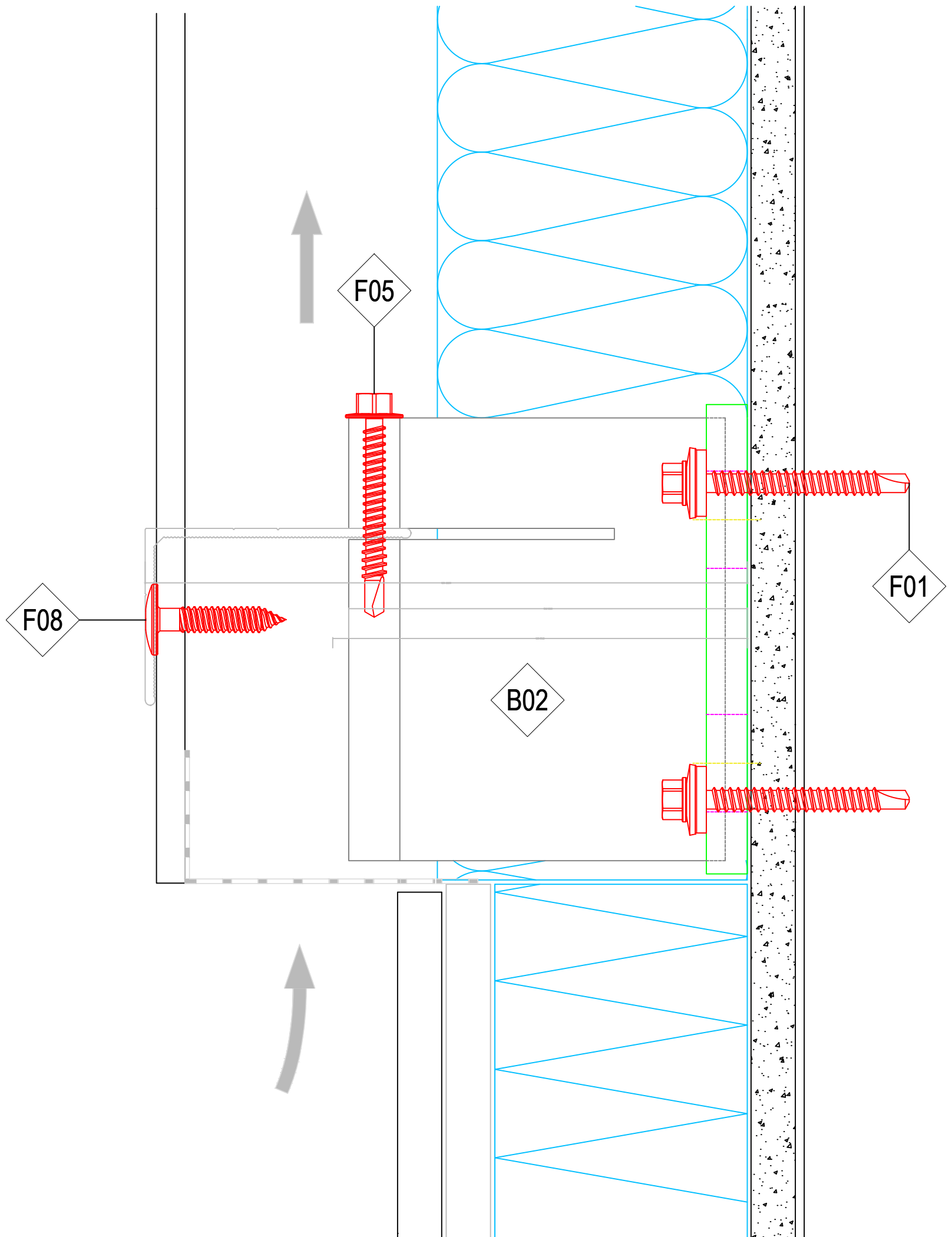


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SHEET

# NH3-06

SHEET TITLE

## Section - Horizontal Panel Joint

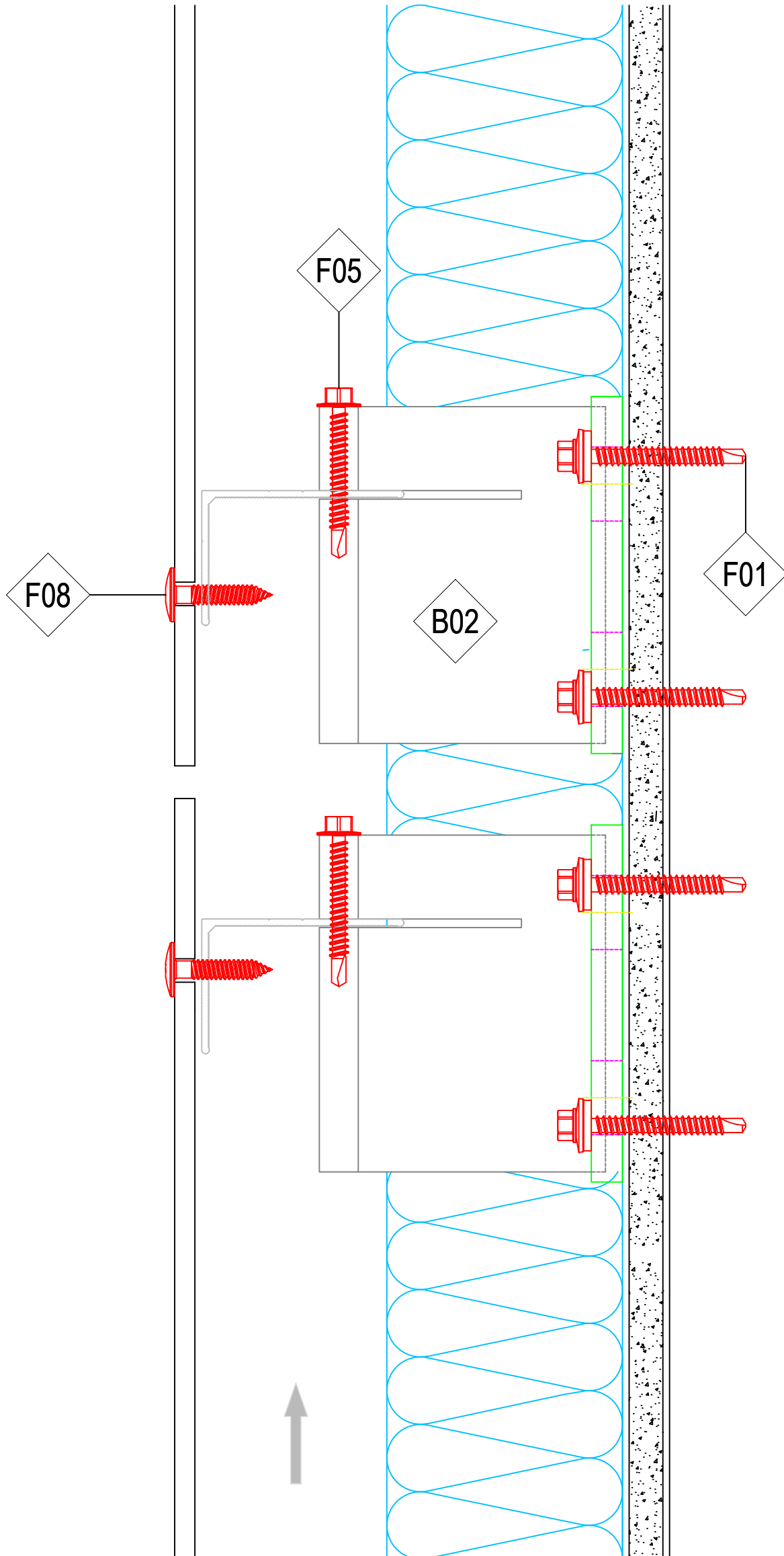


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SHEET

# NH3-07

SHEET TITLE

## Section - Horizontal Center Panel

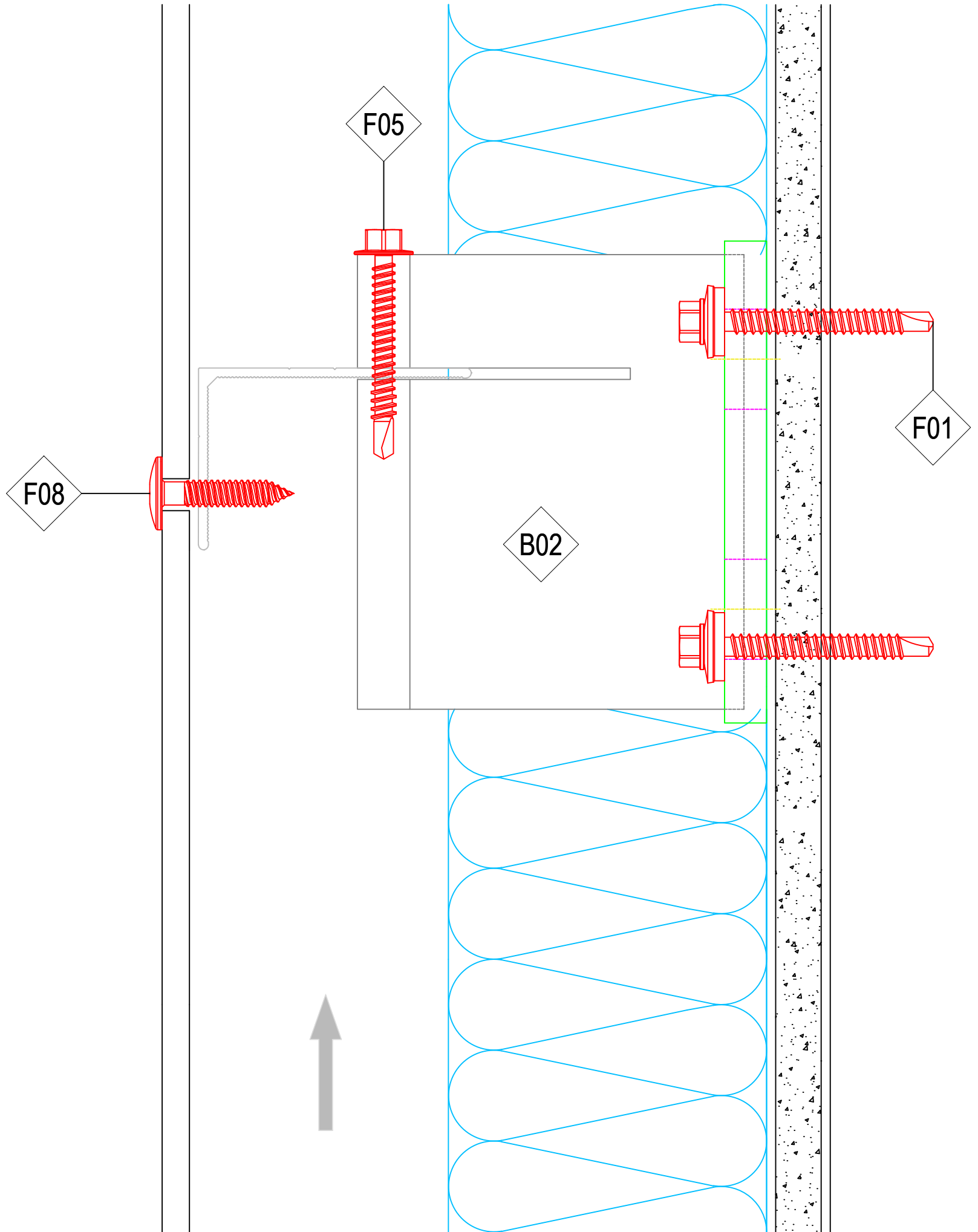


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SHEET

# NH3-08

SHEET TITLE

Section - Top of Cladding

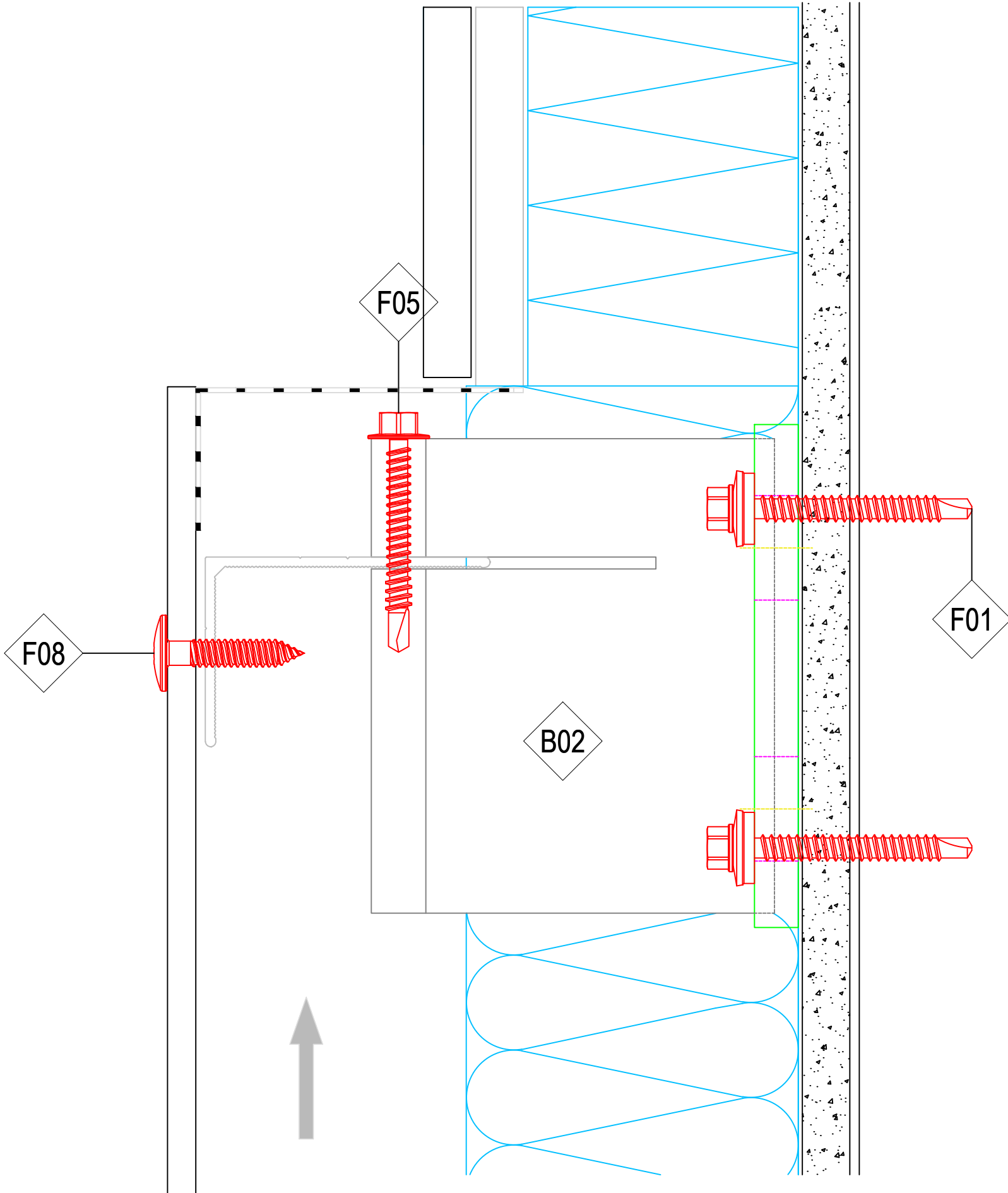


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SHEET

# NH3-09

SHEET TITLE

Section - Window Sill

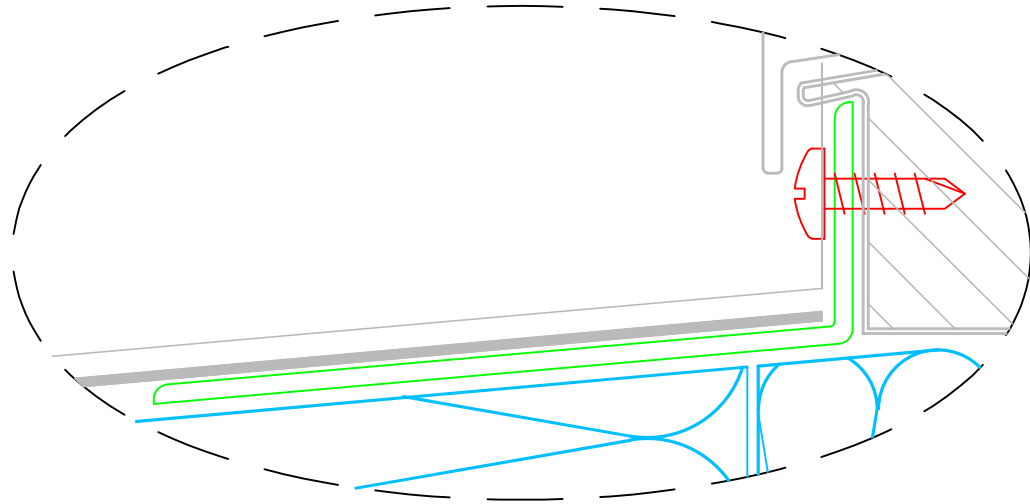


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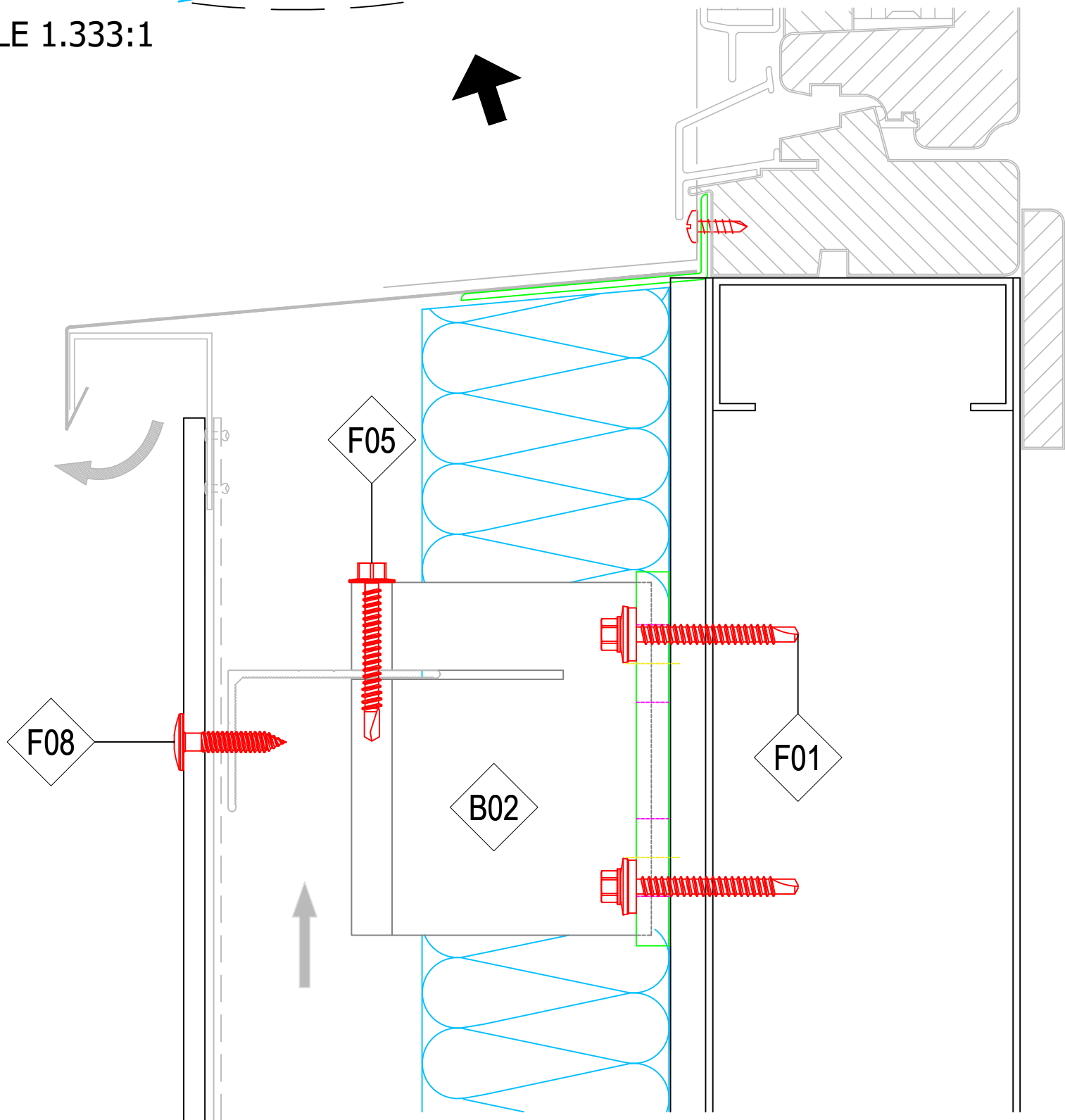
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SHEET

# NH3-10

SHEET TITLE

Section - Window Head

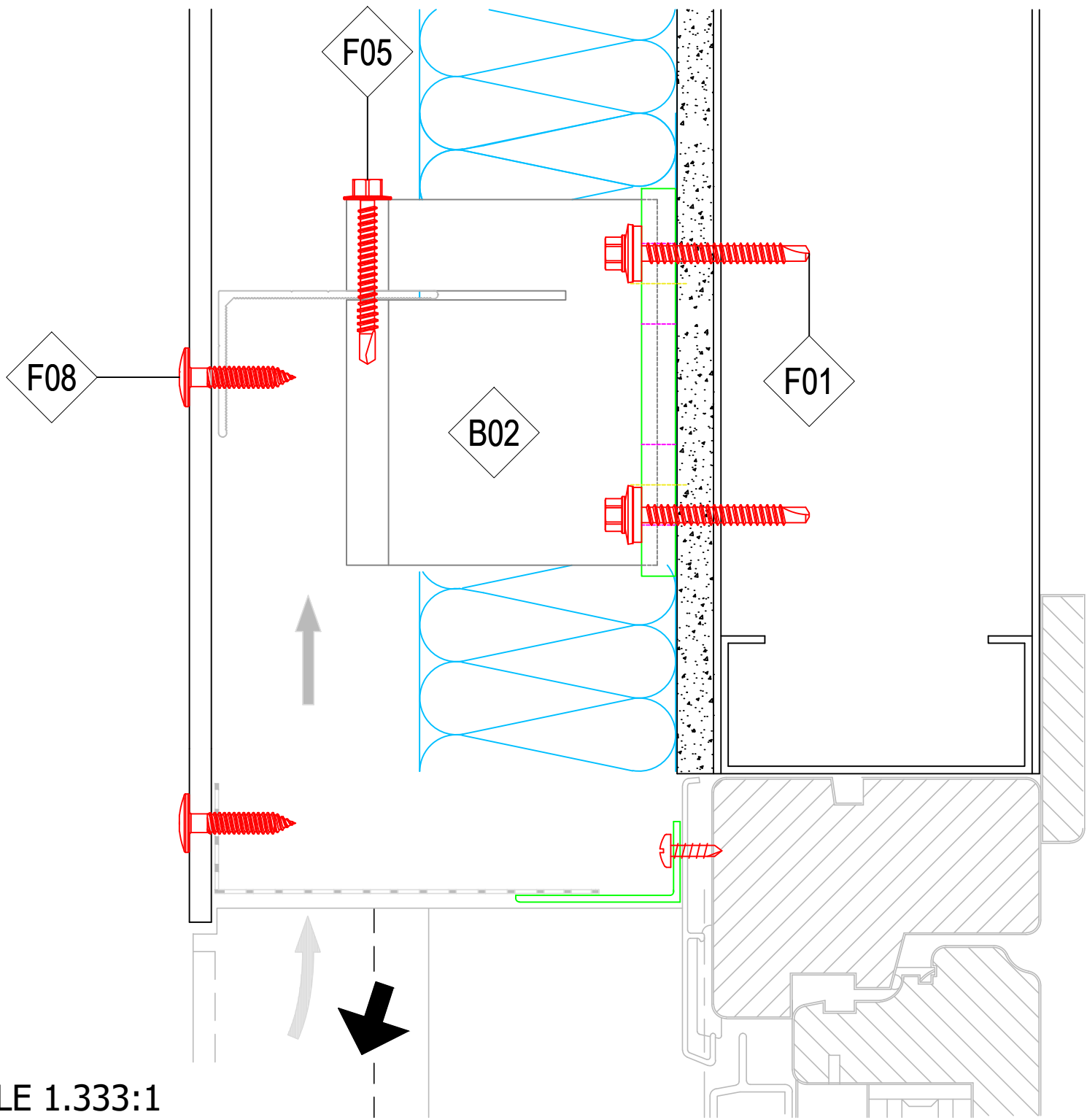


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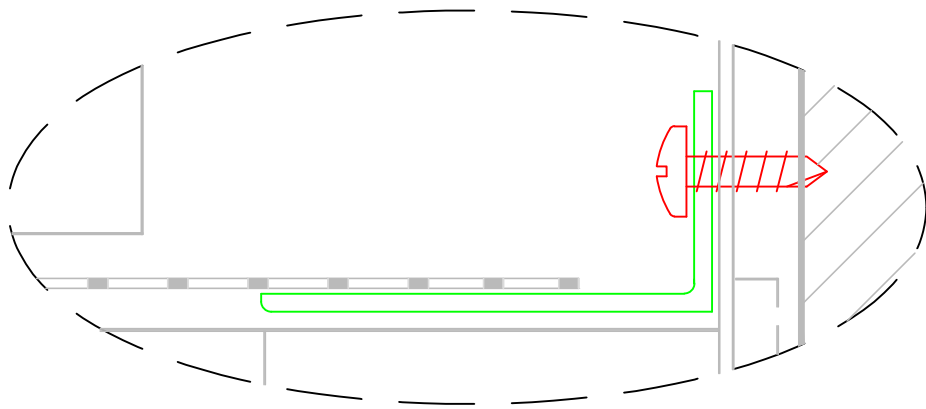
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SHEET

# NH3-11

SHEET TITLE

## Plan - Window Jamb

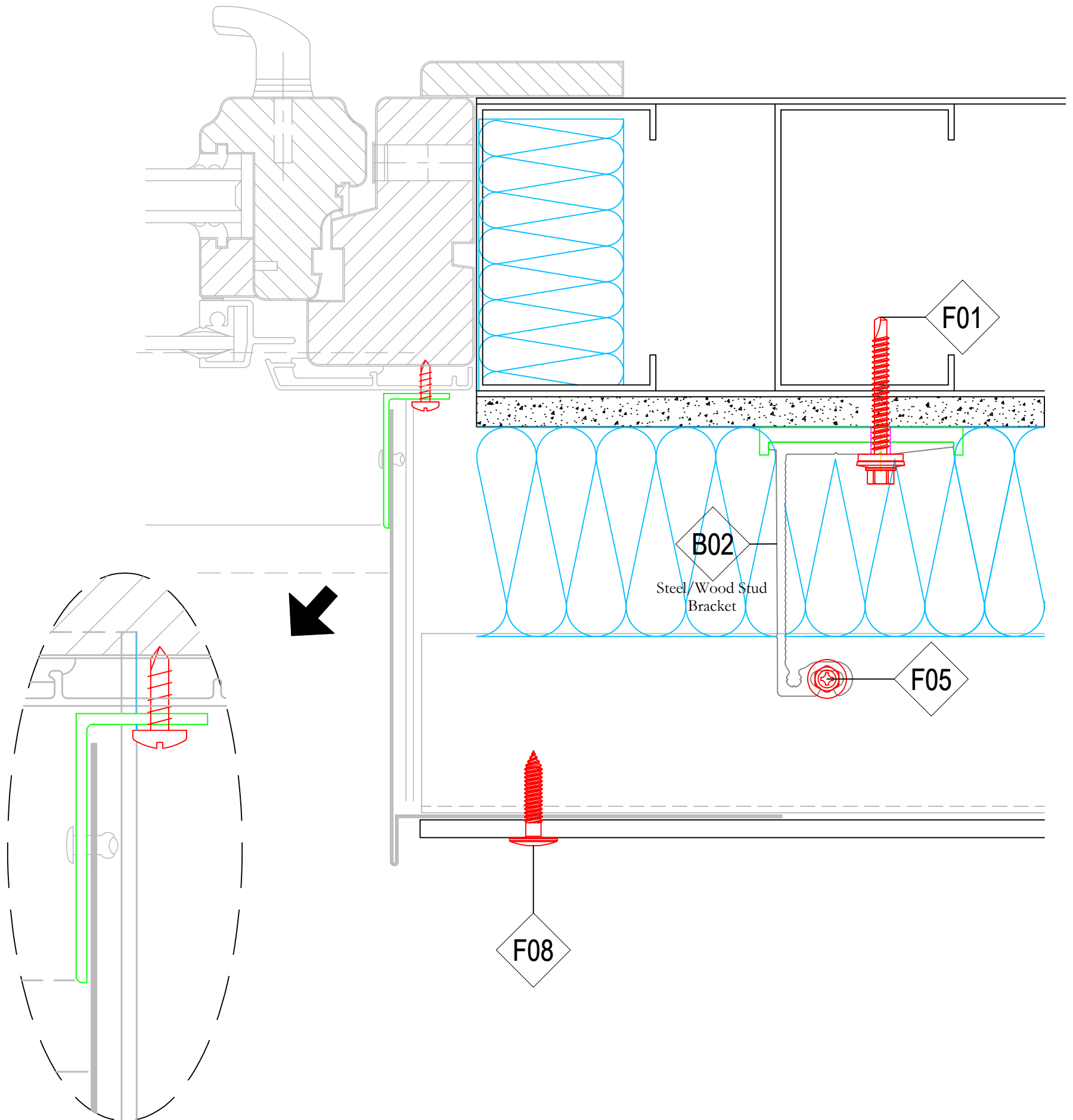


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SHEET

# NH3-12

SHEET TITLE

## Plan - Internal Corner

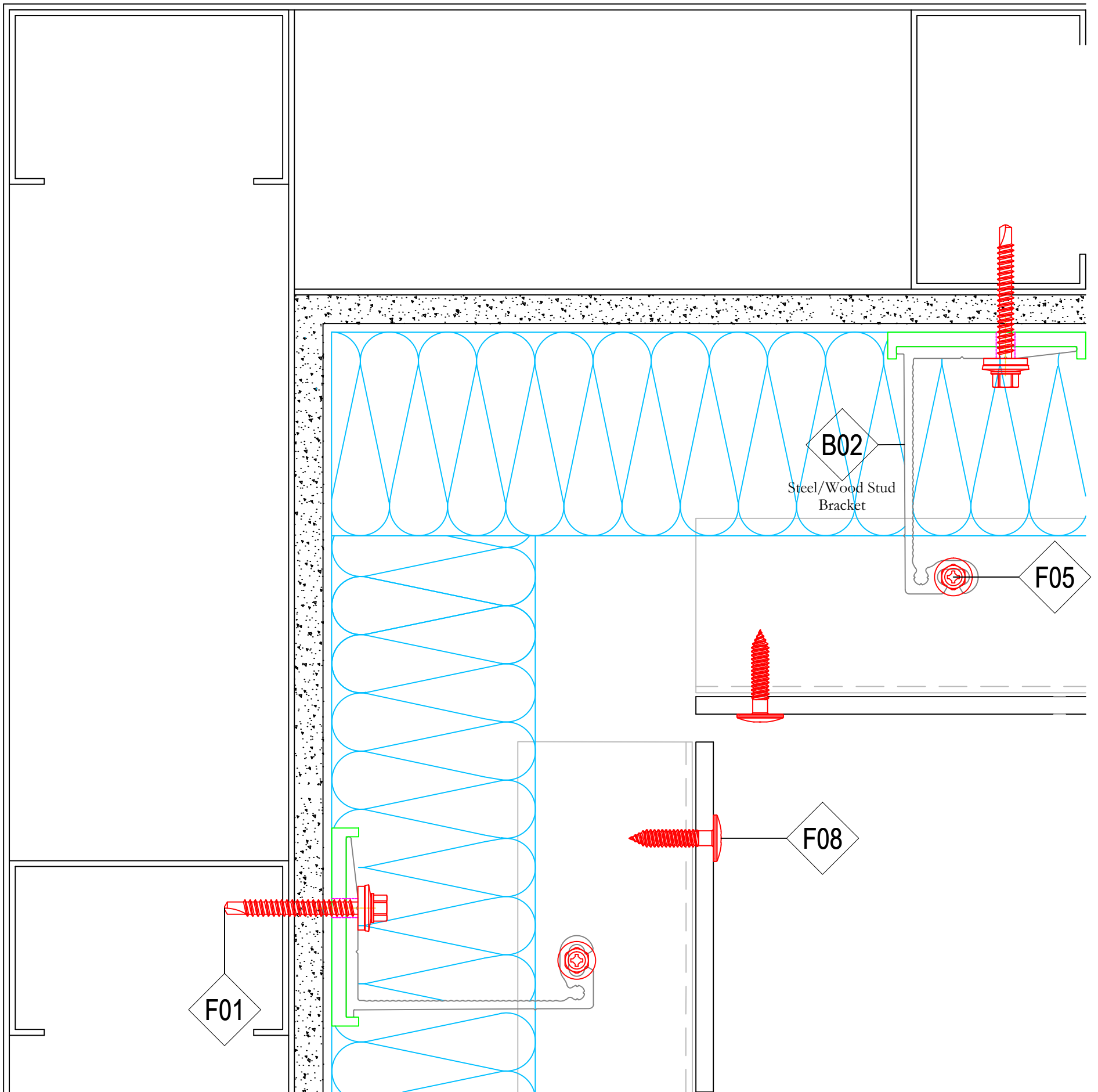


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# NH3-13

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## Plan - Vertical Panel Joint

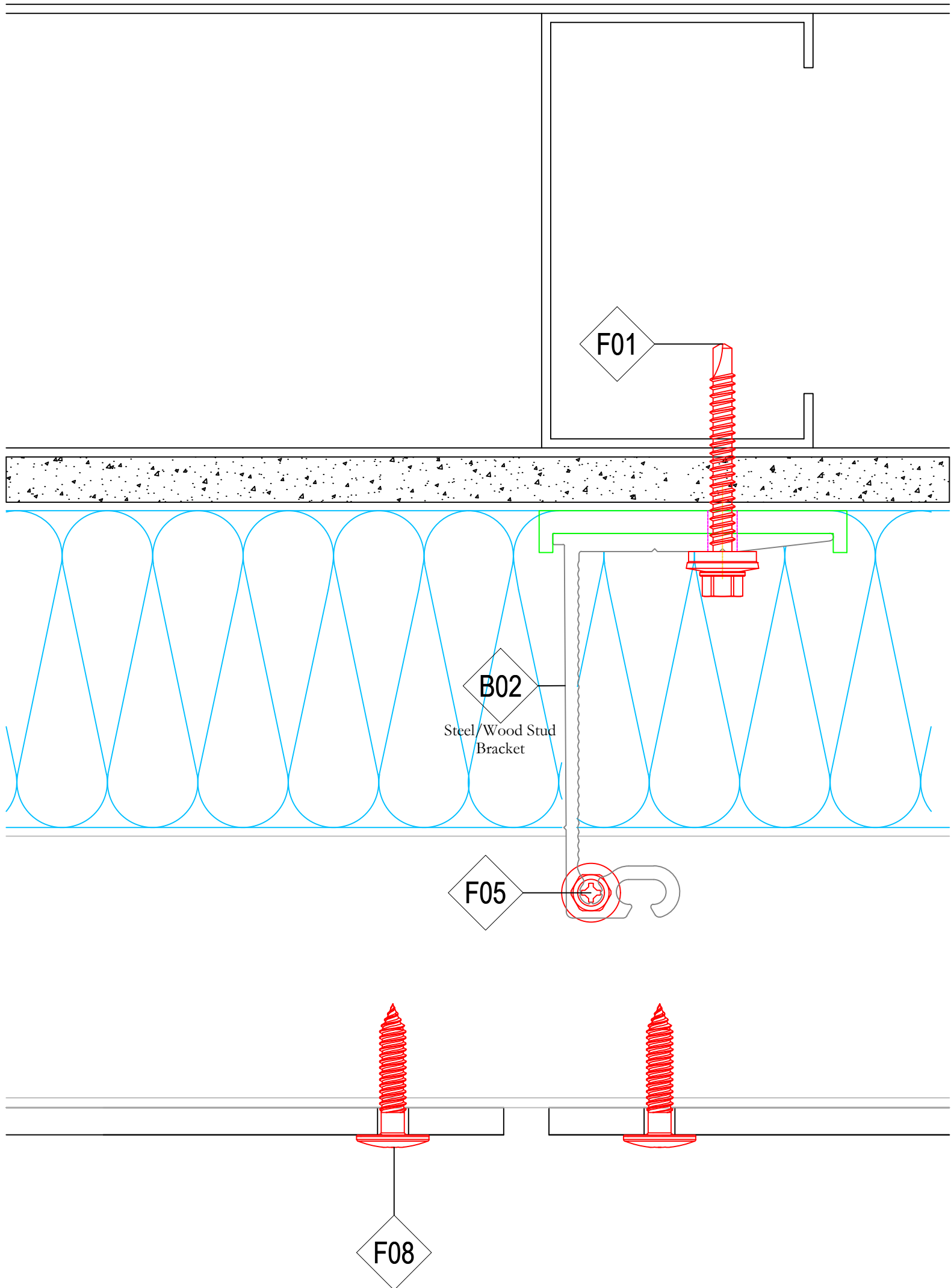


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# NH3-14

SHEET TITLE

## Plan - External Corner

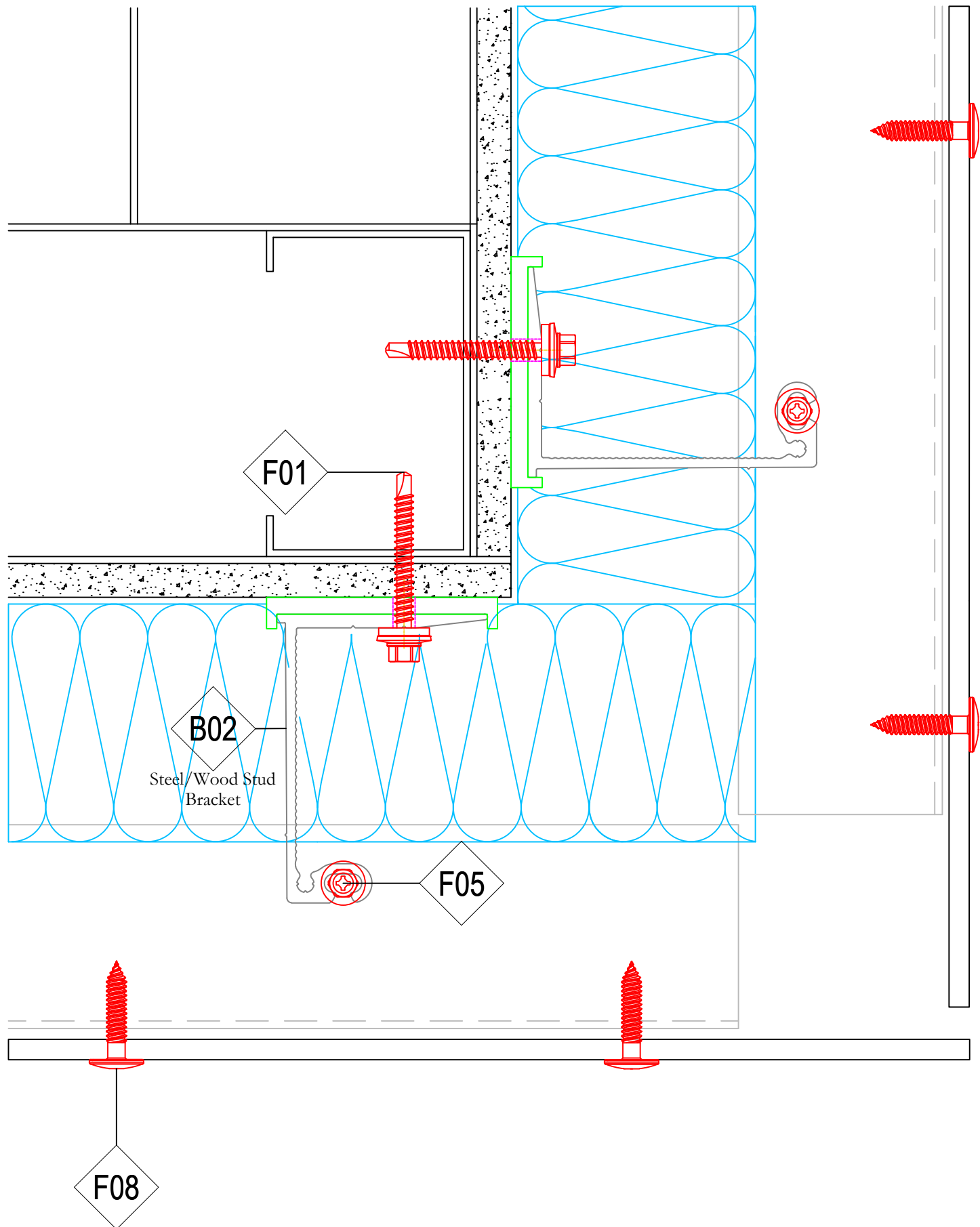


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# NH3-15

SHEET TITLE

## Plan - Bracket Install Guide

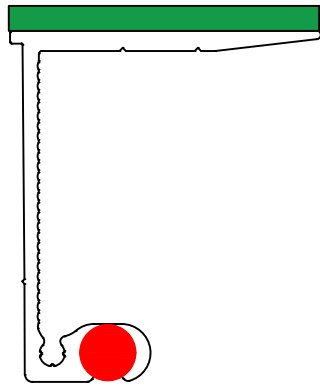


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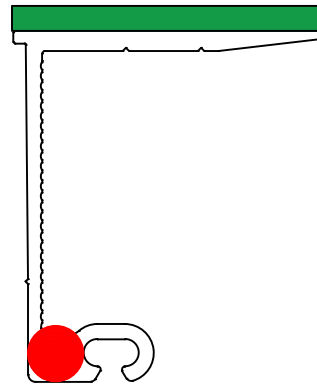
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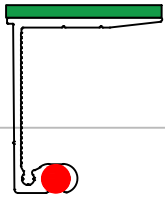
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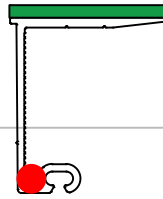
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 SDA5-5.5-45 Rail Fastener

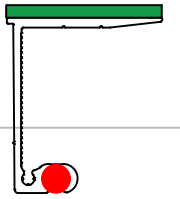
### Typical Rail Configurations



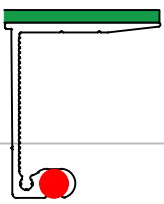
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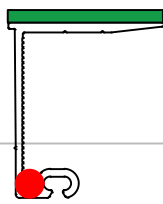
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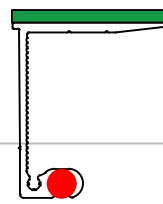
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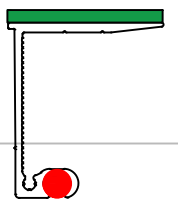
Sliding Point



Fixed Point



Sliding Point



Sliding Point

The following are a representation of installation best practices and are not replacements for project specific engineering. Shop drawings take precedence.