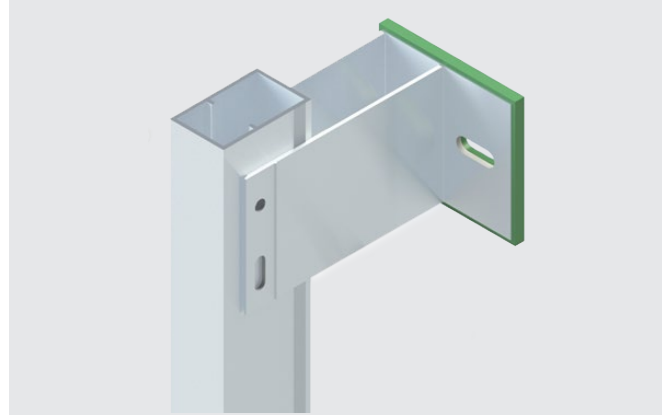


# NVELOPE™ Floor 2 Floor Bracket



### Features and Benefits

- Bracket design allows for rail retainment without additional tools
- Up to 1-1/2" adjustment range eliminates the need for shims
- Corrosion resistant and 100% recyclable
- Fastener guide marks and integrated thermal isolator to aid up constructability
- Up to a quarter inch of thermal movement
- Engineered to meet thermal code requirements

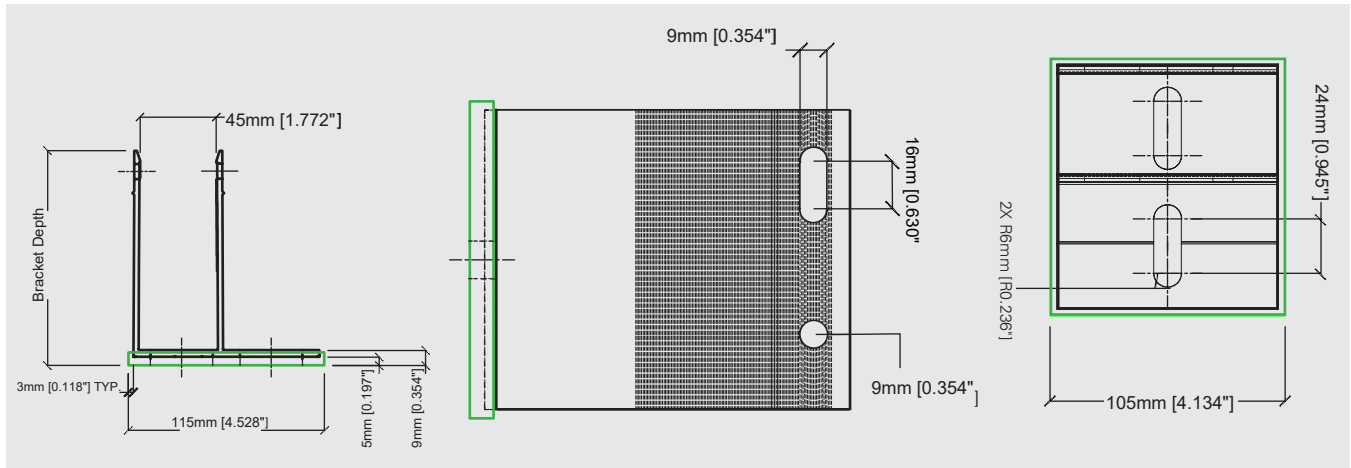
### Application

- Creates a cavity between the architectural cladding and the building for the inclusion of exterior insulation
- Installs directly onto concrete floor slabs
- Brackets are components of the F2F thermally broken subframe system which is used to attach architectural cladding materials utilizing vertically oriented extrusions

### Product Selection

Component	Material No.	Bracket height		Range of Adjustment				2 x 12.5 mm slot
		mm	in	Minimum		Maximum		
				mm	in	mm	in	
Floor to floor bracket 72 mm with isolator	1600061	72	2.82	94	3.70	127	5.00	
Floor to floor bracket 122 mm with isolator	1600062	122	4.80	125	4.92	177	6.97	
Floor to floor bracket 172 mm with isolator	1600063	172	6.77	175	6.89	227	8.94	
Floor to floor bracket 222 mm with isolator	1600065	222	8.74	225	8.86	277	10.91	
Floor to floor bracket 272 mm with isolator	1649538	272	10.71	275	10.83	327	12.87	

# NVELOPE™ Floor 2 Floor Bracket



### Product Specifications

Bracket material: 6005A-T6 aluminum  
 Isolator material: Polypropylene  
 Isolator thickness: 5mm

\*1. Imperial dimensions are an approximation rounded to the nearest thousandths of an inch.

### Performance Data

#### Bracket Material Strength

Young Modulus	10,100 ksi / 70 Gpa
Tensile Strength	38 ksi / 260 Mpa
Shear Strength	24 ksi / 165 Mpa
Tensile Yield	35 ksi / 240 Mpa

#### Material Thermal Transmittance

Bracket Conductivity:	1339 Btu-in/ft <sup>2</sup> -hr-°F (193W/m-K)
Isolator Conductivity:	0.81 Btu-in/ft <sup>2</sup> -hr-°F (0.117 w/M-k)

#### Bracket Structural Values ( Raw Ultimate )

Bracket Size	Vertical Load	Inward Horizontal Load	Outward Horizontal Load
72mm	5894.256 lbf / 26.22 kN	7409.408 lbf / 32.96 kN	2357.3 lbf / 10.486 kN
122mm	4286.936 lbf / 19.07 kN	6559.664 lbf / 29.18 kN	2357.3 lbf / 10.486 kN
172mm	2785.272 lbf / 12.39 kN	3318.048 lbf / 14.76 kN	2357.3 lbf / 10.486 kN
222mm	2054.672 lbf / 9.14 kN	4718.552 lbf / 20.99 kN	2357.3 lbf / 10.486 kN