

Aluminum Extrusions

Extruded aluminum components for the Feeney DesignRail® system are manufactured from various aluminum alloys. Alloys used meet chemical composition and minimum strengths based on industry referenced standards.

Extrusion Type	Alloy	Referenced Standard
Posts	6005A-T5	ASTM B221
RCBs		
Splice Tubes		
Fascia Brackets		
Top Rail	6063-T6	ASTM B221 AMSQQA200/9
Bottom Rail		
Intermediate Rail		
Snap Cap		
Top Rail Inserts		
Pickets	6063-T52	ASTM B221 ASTM B429
Handrail Extrusion		

Powder Coating

The Feeney DesignRail® system features a high-performance powder-coated finish ensuring excellent weather and UV resistance.

Finish	Type	Referenced Standard
Powder Coating	Super-Durable	AAMA 2604 (10 Years)

Fasteners

Fasteners used to assemble the Feeney DesignRail® system are manufactured from various stainless-steel alloy, as needed to meet corrosion resistance requirements and strength performance.

Fastener	Alloy	Referenced Standard
Lag Screws	Type 18-8 Stainless Steel	ANSI/ASME B18.2.1-2012
Thru-bolts/Cap Screws	Type 18-8 Stainless Steel	ASTM F593-17 CW
Expansion Anchors	Type 18-8 Stainless Steel	FF-S-325: Group II, Type 4, Class 1
Expansion Anchors (Hilti)	Type 316 Stainless Steel	AISI Type 316 ASTM F594 ICC-ESR 1917
Assembly Screws, RCB Screws, Picket Screws	Type 410 Stainless Steel	ANSI/ASME B18.6.4