

AXIOM

METAL PLATE ARCHITECTURAL PANELS

TECHNICAL INFORMATION

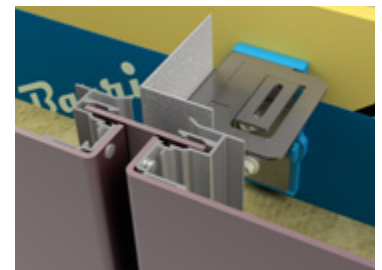
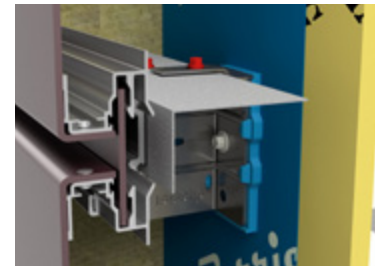
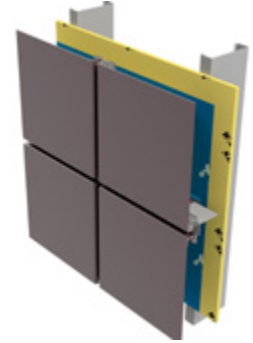
MATERIAL

AXIOM panels are fabricated from tension-leveled, architectural grade aluminum plate, pre-finished or post painted, complete with shop installed stiffening ribs (if required). Panels are typically 1/8" (3mm) plate pressed formed with miter jointed corners or welded to provide a seamless finish, then post painted. 2mm prepainted panel corners are mitred and provide a sharper return edge.

Post painting allows for limitless colour applications and ultimate design flexibility including perforated plate. Pre-finished material typically 2mm opens up a world of possible custom finishes, patterns and printing subject to minimum order limitations. Axiom is also available in zinc and stainless steel.

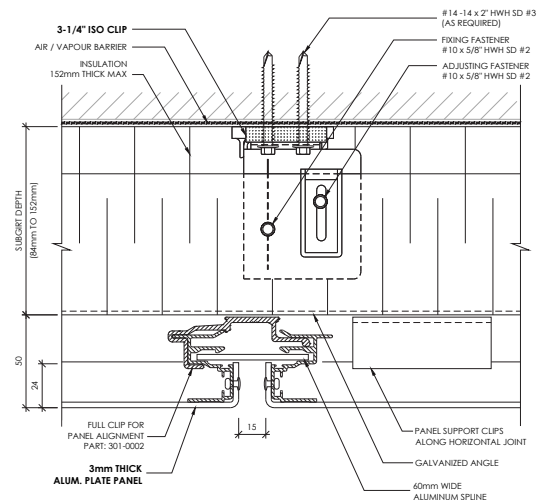
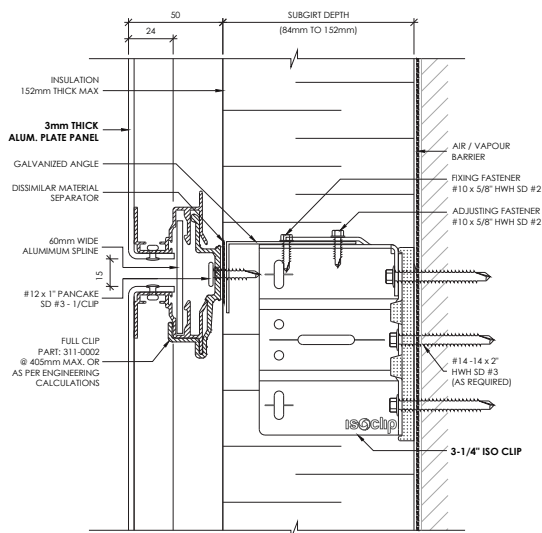
SYSTEM

AXIOM is a solid metal plate rain screen panel system. The Axiom System meets all of the requirements of the latest edition of the National Building Code for non-combustible construction and is considered a true dry-joint system. Where code requires the use of non-combustible construction and cladding, Axiom is a clear choice for leading architects and designers.



Horizontal joint

Vertical joint



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BENEFITS

- Non-combustible
- Dry joint rain screen -(DBVR) (PER)
- Designed for thermal expansion and contraction
- Limitless design flexibility including curves and corners
- Available 2mm pre-finished or 3mm post-painted
- SB10, ASHRAE 90.1 compliant with inclusion of ISO Clip
- Variety of colours and finishes

AVAILABILITY & PRICING

- Fabricated by Northern Facades in Ontario, Canada
- Project estimating, engineering, design assistance and 3D laser scanning service available
- Project-specific pricing
- Average material lead time 5-6 weeks

PANEL SIZING

The AXIOM series is available in standard panel widths up to 60” and length up to a maximum of 144”. The standard and most cost effective panel module is 20-25 sq.ft in area. Larger size panels can be accommodated, with maximum dimensions of 72” wide by 168” in length, please consult with your representative for availability and pricing.

The system has a depth of 2” nominal with horizontal and vertical joints both nominally 0.6” for 3mm and 0.7” for 2mm.

PERFORMANCE

ASTM E84-18b – Standard Test Method for Surface Burning Characteristics of Building Materials

AAMA 501.1 – Standard Test Method for Water Penetration of Windows, Curtain Wall and Doors Using Dynamic Pressure

AAMA 508-09 – Voluntary Test Method and Specification for Pressure Equalized Rain Screen Wall Cladding System

AAMA 509-14 – Voluntary Test and Classification Method for Drained and Back Ventilated Rain Screen Wall Cladding Systems

ASTM E283-04(2012) – Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Difference Across the Specimen

ASTM E330/E330M-14 – Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference

ASTM E331-00(2016) – Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference



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