

Apex engineering support: layout drawing, structural calculation basis, optimized BOM, packing list and material documentation.

PROJECT DESIGN INPUT SHEET

Project Design Input Sheet

Site wind profile

Snow zoning

Module datasheet

Corrosion class C3/C4/C5

Roof profile

Purlin/rafter layout

Roof zone

Waterproofing condition

Engineering Output Definition

Item	Specification
Design load envelope	Wind, snow and seismic basis defined for project review.
MTO / BOM	Material take-off and component list prepared by layout.
Drawing pack	Layout, section/detail drawings and installation reference by order scope.
Fixing schedule	Roof zone, clamp/hook spacing and waterproofing interface reviewed.

Roof Model Focus

Uplift load path, roof interface, rail span, purlin/rafter spacing and waterproofing detail control final fixing schedule.

Engineering calculation entry

Submit design inputs to define load envelope, model assumptions, MTO and drawing pack.

Request Apex EPC review for load envelope, structural assumptions, MTO and drawing pack.

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Engineering Technical Controls

Item	Specification
Wind	Up to 60 m/s; clamp spacing, screw pattern and roof zone by review
Snow	Up to 1.6 kN/m2; final span by rail layout and roof structure
Tilt	Flush mount or 0-15 deg low-tilt configuration by product
Material	AL6005-T5 anodized aluminium; SUS304 fasteners; EPDM sealing interface
Design Basis	ASCE 7-16 / 7-22; IBC 2021 / 2024; EN 1991 / EN 1993 / EN 1999; AS/NZS 1170; JIS C8955 / GB 50009 by project
Warranty Profile	Mechanical structure: 12-year limited; corrosion protection and design life target by exposure class and order scope.

Components



Adjustable Trapezoidal Roof Support



End Clamp Kit



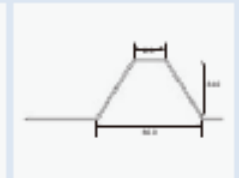
U20 Inter Clamp Kit



Splice for Light Symmetrical Rail



Light Symmetrical Rail



Tile's Structure

Applicable Standing Seam Support



Trimdeck Roof Hook- 07- A



Trimdeck Roof Hook



Trimdeck Roof Hook- 07- B



Trimdeck Roof Clamp



Trapezoidal Roof Support E



Trapezoidal Roof Support F



Trapezoidal Roof Support G



Trapezoidal Roof Support I



Trapezoidal Roof Support J



Trapezoidal Roof Support K



Trapezoidal Roof Support L



Trapezoidal Roof Support N



Trapezoidal Roof Support M



Trapezoidal Roof Support P



Adjustable Trapezoidal Roof Support



Trapezoidal Roof Support A