

PROJECT DESIGN INPUT SHEET

Project Design Input Sheet

Site wind profile

Snow zoning

Module datasheet

Corrosion class C3/C4/C5

Railing section

Wall/concrete condition

Module count

Local authority rule

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.
System matching	Accessory compatibility checked against Apex system BOM.

Balcony Model Focus

Railing/wall capacity, clamp interface, module count and local authority limits define the safe installation scope.

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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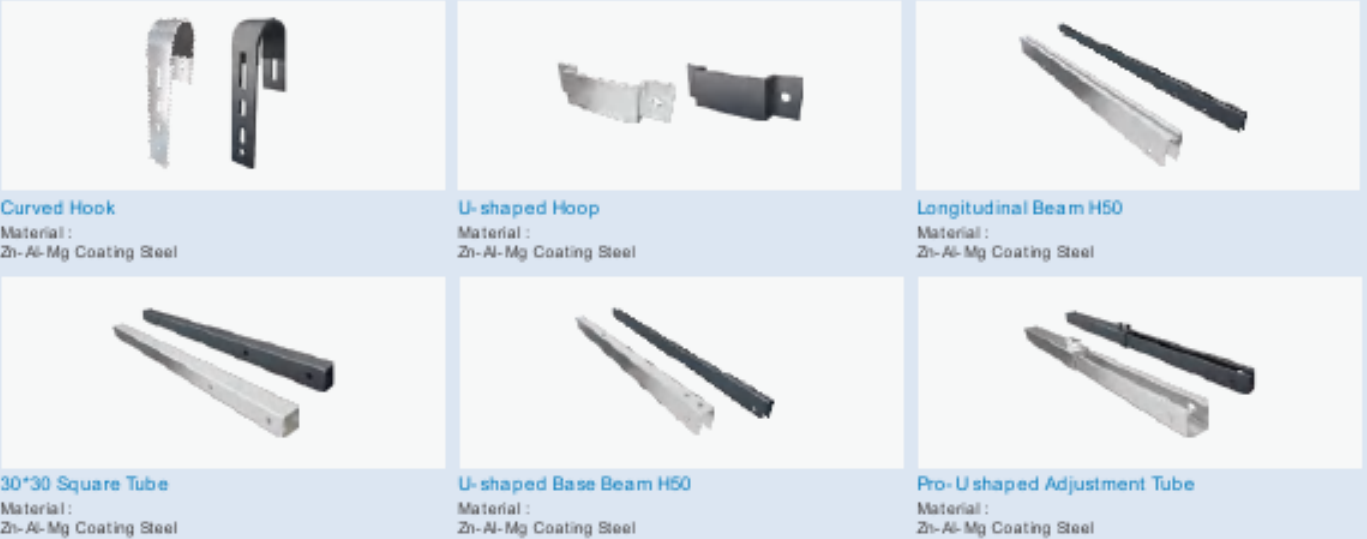
Engineering Technical Controls

Item	Specification
Wind	Up to 30 m/s; railing / wall capacity and local authority review required
Snow	Up to 1.0 kN/m2 by local requirement
Tilt	10-30 deg adjustable installation angle
Material	AL6005-T5 anodized aluminium with SUS304 fasteners
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.

Structure



Component Details



Installation Guide

