



RAWNARA

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DESTINATION LANDMARKS & IMMERSIVE ART SYSTEMS

RESOURCE PACK 02 / GULF PROJECTS

GCC Environmental & Technical Evidence

An evidence-led review for outdoor, illuminated and interactive destination installations.

A technical qualification worksheet, not a code compliance certificate. The appointed project designers determine the applicable rules in the actual destination.

INSIDE THIS RESOURCE

HEAT & DUST WIND & COAST ELECTRICAL EVIDENCE

01 / CLIMATE DESIGN BASIS

Specify the exposure before the finish

Supplier evidence must be linked to exact materials, systems, locations and applications.

Heat & solar radiation

Record project-specific ambient and surface-temperature design criteria, shade exposure and potential thermal expansion or controller derating.

Sand, dust and UV

Define particulate exposure, ingress protection objectives, coating/weathering expectations and cleaning access.

Wind and structural loading

Appointed engineers specify the load basis, anchorage criteria, structural movement, vibration and safety factors.

Coastal and humid zones

Establish salt exposure, material/coating system, galvanic isolation, drainage, accessible fixings and cleaning regime.

Public safety

Address pedestrian separation, climbing risk, sharp edges, impact, evacuation routes and maintenance closures.

APPROVALS

This pack intentionally provides no universal wind, temperature, material or protection rating. Requirements vary by site, design, authority and installation type.

02 / MATERIALS AND GEOMETRY

Ask for traceable fabrication evidence

The factory should distinguish prototypes, similar completed works and production-ready methods.

Material schedule	Grade, thickness, finish and traceable sourcing for the actual design.
Welding and connections	Methods, joint details, finishing, QA/inspection scope and repairs.
Large-format segmentation	Module envelope, weights, seams and concealed connections.
Structural calculations	Scope, responsible engineer and assumptions for project-specific review.
Corrosion and cleaning	Coating evidence, compatible chemicals and maintenance frequency.
Mock-up and sample approval	Colour, gloss, tactile surface, joinery and lighting prototypes.
Impact / durability records	Evidence relevant to the project; avoid unsupported all-purpose claims.

HOLD POINTS

HP-1	Approve concept dimensions and material intent before detailed fabrication.
HP-2	Review engineer-of-record requirements and fabrication/shop drawing interfaces.
HP-3	Approve representative finish and lighting samples before full production.

03 / LIGHT, SENSORS & MOTION

Safety-critical interfaces need documentation

Apply only to the systems in the actual project scope.

Electrical design

Rated supply, protective devices, earthing, wiring, local electrical approvals and separations.

Ingress & weather protection

Evidence for enclosures and connectors including access, condensation and replacement strategy.

Show controls and software

Control topology, network security, offline/fail-safe behaviour, future support and spares.

Kinetic movement

Drive limits, guarding, sensor failure modes, public separation and emergency stop arrangements.

Water-linked elements

Pump and water chemistry, corrosion, leak control, interface boundaries and safe inspection access.

Maintenance mode

Isolation, lockout, lift/MEWP access, spare parts and trained operator instructions.

RESPONSIBILITY

The appointed local engineers and specialist contractors assess engineering and operational conformity. Apollo does not represent that it installs, commissions or certifies these systems locally.

04 / EVIDENCE ACCEPTANCE MATRIX

Classify what the supplier supplies

Track accepted documents instead of general statements in catalogues.

Actual completed project	Role, location, dimensions, date, owner reference and photographic rights.
Factory production evidence	Facilities, equipment, dated production photographs and QA procedures.
Materials / protective system	Model-specific traceable data, samples and maintenance advice.
Structural interface	Drawings, connection reactions and calculations within agreed scope.
Lighting / motor / controls	Datasheets, schematics, protection claims, control diagrams and tests.
Factory test / inspection	Proposed witness points, acceptance criteria and recorded exceptions.
Export and handling	Piece weights, packing, lifting, preservation and assembly guides.
Warranty and aftercare	Coverage, exclusions, spare parts, response pathway and replacement method.

DECISION CODES

Use: Accepted with project-specific evidence / Conditional pending information / Not supplied / Outside factory scope. A catalogue image alone is not accepted evidence.

05 / DESIGN REVIEW

GCC technical hold-point schedule

No entry here substitutes for locally appointed design and authority review.

Location and authority / governing standards

Structural wind and interface calculations

Thermal movement and material selection

Coating / corrosion regime

Electrical / controls / ingress documentation

Public access and safety strategy

Factory inspection and mock-up sign-off

Manuals, spares, cleaning and operators

Specialist local engineer approval

RELEASE CONSTRAINT

Technical claims remain private until verified against the actual manufacturer, model and destination.
Brand/domain/trademark and native Arabic checks are also separate pre-publication gates.