



COORDINATION DOCUMENT

Technical sheet for designers

Screening, survey, MEP, accessibility, comfort, control and commissioning for Soma Reale Room and Dome 6.

ROOM INDOOR

DOME 6 DEDICATED SITE

FAT + SAT REQUIRED

These are screening criteria. Models, loads, power and performance are frozen for the actual configuration.

SCREENING

Dimensions alone do not establish feasibility.

Field of view, optical distances, maintenance, climate control, exit, accessibility and staff flow can reduce capacity or exclude a site. These figures open the survey; they do not replace it.

Item	Room	Dome 6
Location	Indoor	Outdoor or dedicated covered area
Area	From about 12 m²; ideally 15-18 m²	28.3 m² gross dome area
Envelope	From about 3 x 4 m; usable height from about 2.40 m	Six-metre diameter; indicative 8 x 8 m site
Capacity	1-3 guests	4-6 guests
Network	Stable Ethernet	Stable Ethernet or data link
Base projection	2-3 panoramic channels	Fulldome projector and convex mirror
Installation	2-3 days after site readiness	3-5 days after base, permits and site readiness

Times and dimensions are screening estimates, not commitments. Compliance of individual components does not automatically establish compliance of the installed system.

SURVEY

One survey for space, guest, staff and maintenance.

The survey produces a dimensioned plan, controlled photographs, constraints, routes, MEP interfaces and a responsibility matrix. Customer measurements may begin discovery but do not replace the approved survey.

Geometry and optics Length, width, height, out-of-square conditions, openings, columns, ceiling, reflections, residual light and maintenance clearance.	Acoustics and comfort Background noise, transmission, seating, posture, temperature, humidity, air change and thermal load at planned capacity.
Power and data Panel, circuits, earth, protection, isolation, cable routes, Ethernet, VLAN, IT policy and remote access.	Flow and safety Entry, exit, normal and emergency light, alarms, staff position, cleaning, textiles, reset and accessible route.



Coordinated site survey.



Approved layout and interfaces before production.

SITE READINESS

The site must be ready before the system arrives.

Every requirement has an owner, evidence and date. An incomplete critical item suspends installation or opening; it is not converted into a generic proposal note.

Room	Additional Dome 6 requirements
Room clear, dry, clean and available	Site right and approved layout
Geometry, blackout and acoustics ready	Foundation or platform verified by a professional
Climate control for people and equipment	Wind, snow, drainage, anchoring and lightning checks
Circuits, earth, protection and isolation	Local permits, fire strategy and public access
Ethernet and IT policy available	Accessible, illuminated and drained route
Exit and emergency light independent of TholusOS	Protected power, data, HVAC and drainage

Minimum deliverables

- approved layout and final as-built
- load schedule and MEP interfaces
- RACI across customer, designers, contractors and the usual neXt
- assumption, deviation and change-request register

COMFORT AND CONTROL

Every programme must reduce, stop and return to a readable state.

Each programme is tested on real hardware and guest positions. A session does not depend on the Internet to end safely and does not resume automatically after stop, fault or power loss.

Gate	Public criterion
Visual	No hazardous flash or pattern; Reduced Motion profile available
Audio	LAeq and LAFmax measured; maximum locked; voice can be omitted
Stimuli	No fragrance; vibroacoustics optional, off by default and opt-in
Stop	Sound and vibration off within 1 s; stable scene within 1 s; readable light within 2 s
Fault	Media, projection, sound, lighting, HVAC, control, stop and power fallback tested
Emergency	Alarm, emergency lighting and exit independent; Soma control subordinate to site systems

Stop times are design and SAT criteria. Until the configuration demonstrates them in a recorded test, the stop cannot be accepted and the room cannot open to guests.

FAT, SAT AND HANDOVER

Opening is a measured result, not only a date.

FAT verifies configuration and programmes before site delivery. SAT repeats the tests in the actual installation, includes the staff routine and creates an acceptance record or a punch list to close.

Test	Required result
Identity	Inventory, firmware, configuration, programmes and checksums consistent
AV quality	Geometry, blend, focus, sound, lighting and positions approved
States and cues	READY - BOARDING - PREFLIGHT - RUNNING - RETURN - COMPLETE - RESET
Stop and fault	Results and times recorded; no automatic resume
Comfort	Standard, Reduced Motion and Essential profiles available
Staff	Opening, preflight, stop, assistance, reset, ticket and closure tested
Documents	As-built, manual, backup, SLA contacts, test record and responsibilities

- [IEC 62471-5 - photobiological safety of projectors](#)
- [ISO 21542 - accessibility of the built environment](#)
- [ISO 7730 - thermal comfort](#)
- [EU General Product Safety Regulation](#)

[Request technical screening](#)