

SERVICE SPECIFICATION / DATA CENTER

Data-center white-space build-out

GHT-SVC-009 · Revision 1.0 · 06 September 2026 · 1 / 3

Racks, pathways, cabling, labels, access, and technology turnover, coordinated with the electrical, cooling, grounding, structural, fire, and security work owned by the responsible trades.

Intended outcome

Cabinet positions, pathways, labels, port plans, and open facility dependencies checked against a rack-ready checklist.

Service scope

White space is the controlled area occupied by IT cabinets and their supporting distribution. A successful build-out coordinates technology with architectural, structural, electrical, mechanical, fire-protection and security scopes.

GHT's role is defined at the project boundary: racks, pathways, cabling, labeling, technology coordination and documentation may be included, while licensed facility work is performed by and verified through the designated trades.

How the system fits together

01 Cabinet row	Equipment locations, rack units, weight and service clearances
02 Connectivity plane	Overhead or underfloor pathways and distribution zones
03 Facility plane	Power, bonding, cooling, fire and structural dependencies
04 Operations plane	Access, labeling, monitoring and change-control handoff

Typical project triggers

- New rows or cages are being added
- Power or cooling density changes with a hardware refresh
- Overhead and underfloor routes compete for space
- Cabinet delivery is ahead of documented readiness



GHT-SVC-009 / DATA-CENTER WHITE-SPACE BUILD-OUT

Delivery and acceptance

Revision 1.0 · 06 September 2026 · 2 / 3

The final project scope identifies quantities, locations, dependencies, and the evidence required at each delivery stage.

01 Basis of design

Confirm cabinet schedule, loads, topology, density, resilience and owner/colo standards.

Acceptance evidence: Requirements matrix and responsibility boundary

02 Multidiscipline layout

Coordinate elevations, aisles, clearances, pathways, power feeds, airflow and security zones.

Acceptance evidence: Coordinated rack/pathway plan and issue log

03 Install and stage

Set approved technology infrastructure, labels and patching in the agreed construction sequence.

Acceptance evidence: Installation inspection sheets and progress photos

04 Readiness turnover

Verify cabinet, path, port, power and facility dependencies before equipment activation.

Acceptance evidence: Rack-ready checklist, as-builts and open-item register

Handover deliverables

- Coordinated rack and pathway layout
- Cabinet/rack-ready checklist
- Technology responsibility matrix
- Label, port and patching schedule
- As-built elevations, photos and open-item log

Closeout: GHT and the customer review the agreed evidence, record unresolved exceptions and owners, and confirm acceptance against the signed project scope.



GHT-SVC-009 / DATA-CENTER WHITE-SPACE BUILD-OUT

Planning and scope boundaries

Revision 1.0 · 06 September 2026 · 3 / 3

Customer and site inputs

- Cabinet, rack-unit, weight and delivery schedule
- Power feed, redundancy and load information
- Cooling design and expected IT heat load
- Network topology and cable-density forecast
- Security, fire, access and construction sequence

Constraints and coordination

- Facility work owned by licensed/designated trades
- Floor loading, anchorage and service clearances
- Power/cooling availability and commissioning sequence
- Live-room access, contamination control and change management

Commercial scope and responsibilities

This specification describes the service framework. The signed statement of work defines included equipment, quantities, software licenses, integrations, access windows, schedule, pricing, warranty, and support coverage. Additional construction, electrical work, recurring subscriptions, and ongoing support require an explicit line item.

The customer appoints an acceptance owner and provides authorized access, required site information, and decisions. GHT records assumptions, coordinates assigned work, and submits changes for agreement before expanding the scope.

Technical references

Telecommunications Industry Association — TIA-942: Telecommunications Infrastructure Standard for Data Centers | Source review: 2026-08-20

BICSI — BICSI Library of ICT Manuals and Standards | Source review: 2026-08-20

ASHRAE — Data Center Resources | Source review: 2026-08-20

Telecommunications Industry Association — TIA-569: Telecommunications Pathways and Spaces | Source review: 2026-08-20

Service guide and project discussion | Source review: 2026-09-06