



ARCHER DATACENTERS

Archer NSH I-1 - 1398 Gateway Dr., Gallatin, TN 37066

New purpose-built wholesale datacenter featuring flexible and customizable solutions for hybrid IT architecture powered by 100% cost-efficient renewable energy.

Building/Site

- Total Building - 82,950 SF single story under construction for 2020 completion
- Planned Data Center Space - 59,800 SF (36 inches raised floor or slab fit-out)
- 30 acres, expandable to 60 acres.
- Outside FEMA flood hazard zone, approximately 600 ft. above sea level.
- Fire Suppression - multi-zone double interlocked pre-action for data hall and interior power / cooling rooms
- Floor Load Capacity - 300 PSF (Data Hall), 250 PSF (power / cooling rooms)
- Ceiling Height - 14 feet from raised floor (23 feet for slab design)

Power

- 4.8 MW critical power planned
- Density - 160+ watts/SF
- PUE - 1.2 (expected)
- Dual feeds from 50MW substation that shares lot line with site
- Additional feed from separate nearby substation available

Fiber

- Dual Fiber Entrances
- AT&T, Comcast, CEMC, Century Link, GDE Fiber and Zayo available onsite with 10Gb connectivity
- Dark fiber or dedicated optical wavelength fiber available for cross-connects at Nashville Internet Hub
- SDN solutions available for on-ramp to public cloud providers

Infrastructure

- Up to 6 x 1200kVA UPS systems; can be configured in either block redundant (N+1) OR 2N arrangements
- Up to 6 x 2500kVA generators with integrated belly tanks; can be configured in either block redundant (N+1) OR 2N arrangements
- Up to 24 air cooled DX CRAC units with refrigerant economizers in a hot aisle / cold aisle arrangement with hot aisle containment
- Block redundant PDU and CRAH units configured in either (N+1) OR 2N arrangements
- Modular fit-out capabilities to serve initial loads below 250 kW

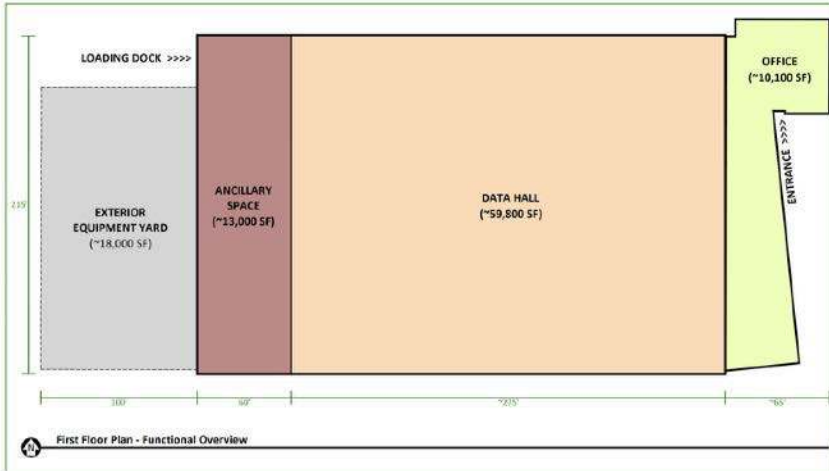
Compliance/Security

- Facility planned for Uptime Tier III design.
- Biometric Scanners
- Card Key Access
- CCTV
- Man Trap Security
- Perimeter Fencing
- Anti-tailgating systems
- Layering systems
- Ongoing training

Services

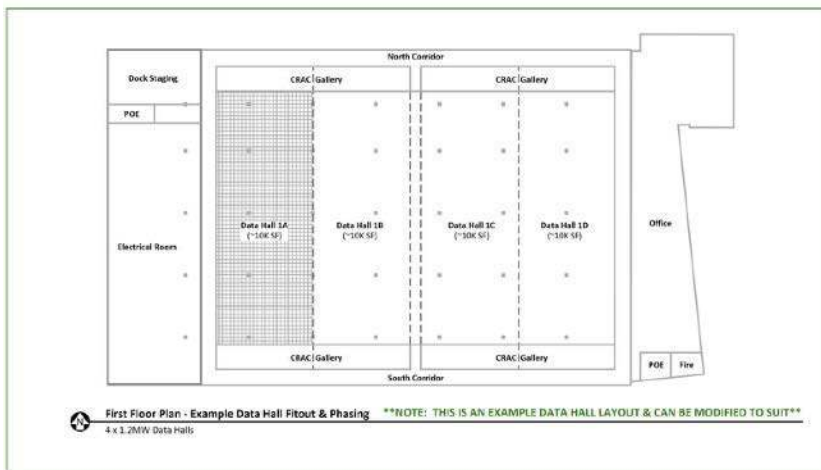
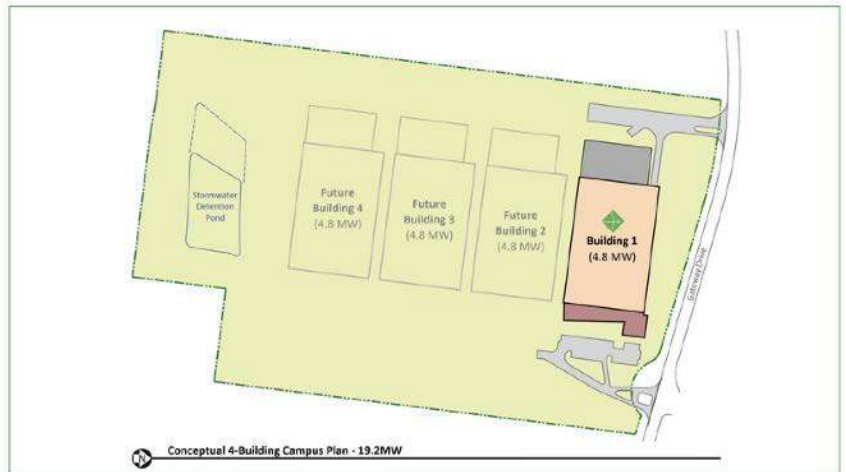
- Single or Multi-tenant Private Suites
- Cages
- Dedicated infrastructure capabilities
- Remote hands

Design Flexibility



Powered shell under construction with core and shell scheduled for completion August 2020. Designed for power and fiber delivery by Q1 2021. Fit out of data halls may begin concurrent with construction of the core and shell. This configuration serves 4.8 MW of critical IT load and available for lease in its entirety with client input on the design.

Campus development available serving up to 19.6 MW of critical load available immediately served from a 50 MW substation that shares our property line. Entire campus available for lease. Archer holds an option on an adjacent 30+ acres with power expansion options to serve over 100 MW.



Leases available for 10,000 square feet data halls serving 1.2 MW of critical IT load. Modular fit out options are also available within each data hall for critical demand of as low as 200 kW.



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