

## GENERAL INFORMATION

- » Data Center Floor: 18,000 Sq. Ft. raised floor
- » Total Floor: 23,475 Sq. Ft.
- » Design: Fault tolerant topology
- » Structural: Seismic hardening (Zone 4 rated)
- » Monitoring: Full concurrent maintenance; 24/7 support staff
- » Parking: 34 spaces

## MAIN POWER

- » Redundant city utility power supply
- » Dual 2,500 KVA transformers

## STANDBY POWER SYSTEM

- » Two 2000 KW, 480 V generators supply back-up power
- » Dual on-site fuel storage system of 6,674 gallon capacity
- » Full capacity on-site generator plant with redundancy
- » Distributed system – Eliminates single points of failure
- » Open-transition operation – Closed transfer capability
- » Two day on-site fuel supply (Two on-call fuel suppliers)

## UNINTERRUPTIBLE POWER SUPPLY (UPS)

- » 5 Powerware 750 KVA UPS provide “S + S” redundancy
- » Static switched UPS equipment
- » Dedicated batteries per UPS module
- » Redundant UPS to replace any failed unit
- » Dual power inputs to cabinets

## ELECTRICAL PROTECTION

- » Lightning protection system
- » Transient voltage surge suppression system
- » Raised floor signal reference grid
- » Comprehensive equipment grounding system
  - » Full building loop ground
- » Static transfer switches to parallel automatically

## FIRE/WATER PROTECTION

- » Double interlock dry line pre-action fire suppression system and Halon extinguishers
- » Very Early Smoke Detection Apparatus (VESDA)
- » Smoke purging system
- » Full perimeter water detection plus HVAC leak detection
- » Smoke and heat detection on ceiling, above ceiling and below raised floors
- » Smoke and heat fire alarm system

## SECURITY

- » Card and biometric access
- » 20+ surveillance cameras with 30 days storage capacity
- » Motion sensors and security alarms monitored 24/7

## COOLING SYSTEM

- » 17 Liebert 30 ton water cooled air conditioning systems
- » 2 Liebert 20 ton water cooled air conditioning systems
- » “System + System” redundancy
- » 25% loss without impact on operations at peak capacity
- » No single point of failure in the mechanical system
- » Trane HEPA rated air supply & building pressurization system
- » On-site 11,000 gallon reserve water supply
- » End-to-end essential raised floor area cooling
- » Complete 18” to 36” raised floor environment
- » Floor served by air cooled chillers

## NETWORK

- » Multiple telecom service providers available
- » 600 pairs of copper available
- » Multiple T-1’s to multiple OC-192’s
- » Redundant Cisco systems core network
- » Dual redundant Cisco gigabit switch routers (GSR) and Catalyst 6509 switches
- » Fast ethernet or gigabit ethernet to customer cabinets
- » 99.995%+ uptime (Equals Uptime Institute Tier 4 rating)

