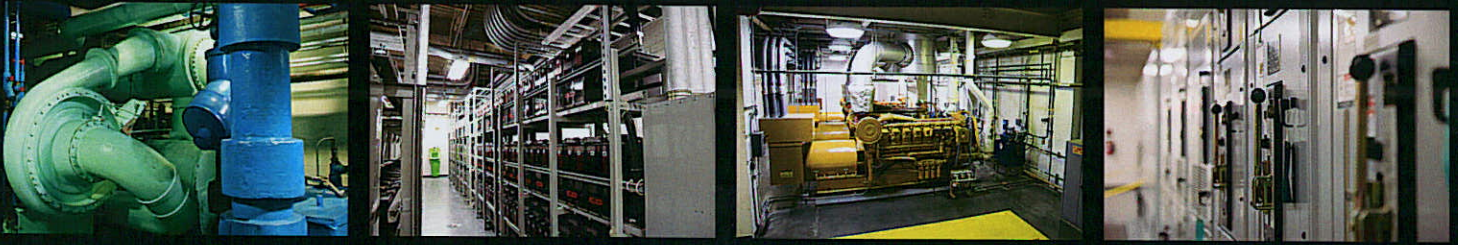




**KANBAR  
PROPERTIES**

PHILCADE

# DATA CENTER



## POWER

### Critical Power

Base System redundant A feed 4 x 750kVA UPS (N+1)  
Redundant Battery Strings and Capacity  
Separate (B) UPS feed capacity for A + B at suite level (2N)  
Third (C) Utility feed to each suite for local customized UPS power (N+N+1)  
7/24 Emergency on site Service, Multiple Tulsa Grid Power Redundancies

### Customer Power Distribution Options

Single (A) Feed to suite (N+1 power)  
Dual Fed Power supply (A) + (B) UPS feeds – (2N power)  
Utility (C) to suite (N power)  
Redundant (A) + (C) Utility to suite (N + (N+1) power)  
Redundant (A) + (C) Utility through Static Switch to suite (N and (N+1) + 1 power)

### Generator Power

Base System redundant A feed 4 x 750kVA UPS (N+1)  
Redundant Battery Strings and Capacity  
Separate (B) UPS feed capacity for A + B at suite level (2N)  
Third (C) Utility feed to each suite for local customized UPS power (N+N+1)  
7/24 Emergency on site Service, Multiple Tulsa Grid Power Redundancies

### Suite or Rack Level Distribution

Multiple Zero U PDU's  
Rack PDU's monitored with static IP addresses  
Suite Remote Power Panels contain branch circuit monitoring reporting  
Floor users monitored at step down PDU level contain branch level monitoring  
Floor Power Codes (A) Red, (B) Blue, (C) Green

## COOLING

### Cooling

Qty 108 redundant and independent cooling systems  
DX down-flow CRAC (Computer Room Air Conditioning)  
Mixed and Flexible densities per customer requirement  
Oversized base building chiller systems and site capacity cooling to 2700 tons  
7/24/365 Emergency on site Service

### High Density Cooling

Dedicated dense load/water cooled applications available to individual clients needs  
In rack Cooling to 15kW per rack  
Multiple redundant chilled water loops for capacity and redundancy  
Custom cooling modifications for ongoing customer technology conversions. Future watt density changes and suite modifications may be amortized into lease.

## COLOCATION

### Cage Level Suites (100 sq ft – 5000 sq ft)

Disaster Recovery or Cage suite production clients  
Flexible space planning available. Use by power or square footage requirements.

### Floor Section Suites (5000 sq ft - 17,000 sq ft)

Larger Production Clients requiring private access or own private floor. Complete customizable use plans for current watt density and changing requirements for future.

### Engineering Rooms

Shared or private burn in areas available. Packaged workspaces dedicated to your company employees in shared areas. Private employee workspaces available. NOC build outs available.

### Private Network

Private network entrance areas and NOC operations areas available.

### Workspace Recovery

Separate floors and building workspace recovery operations available for up to 10,000 people.

## DATA CENTER SECURITY

### Cage Level Suites (100 sq ft – 5000 sq ft)

Key Card Access Control  
Controlled space access by Secure front entrance and data center Facility Security Personnel  
7/24/365 on site entrance security  
7/24/365 intrusion detection monitoring, cameras, and access controls  
Wholly automated failure detection system for all critical components.  
7/24/365 Critical Facility Staff

### Customer Access Support

Rapid response help ticket system  
Full access through secure ticketing system for customers and suites.  
Network monitoring available, Managed Services, or embedded technician support systems  
"Remote Hands" services

## FIBER NETWORK PROVIDERS

