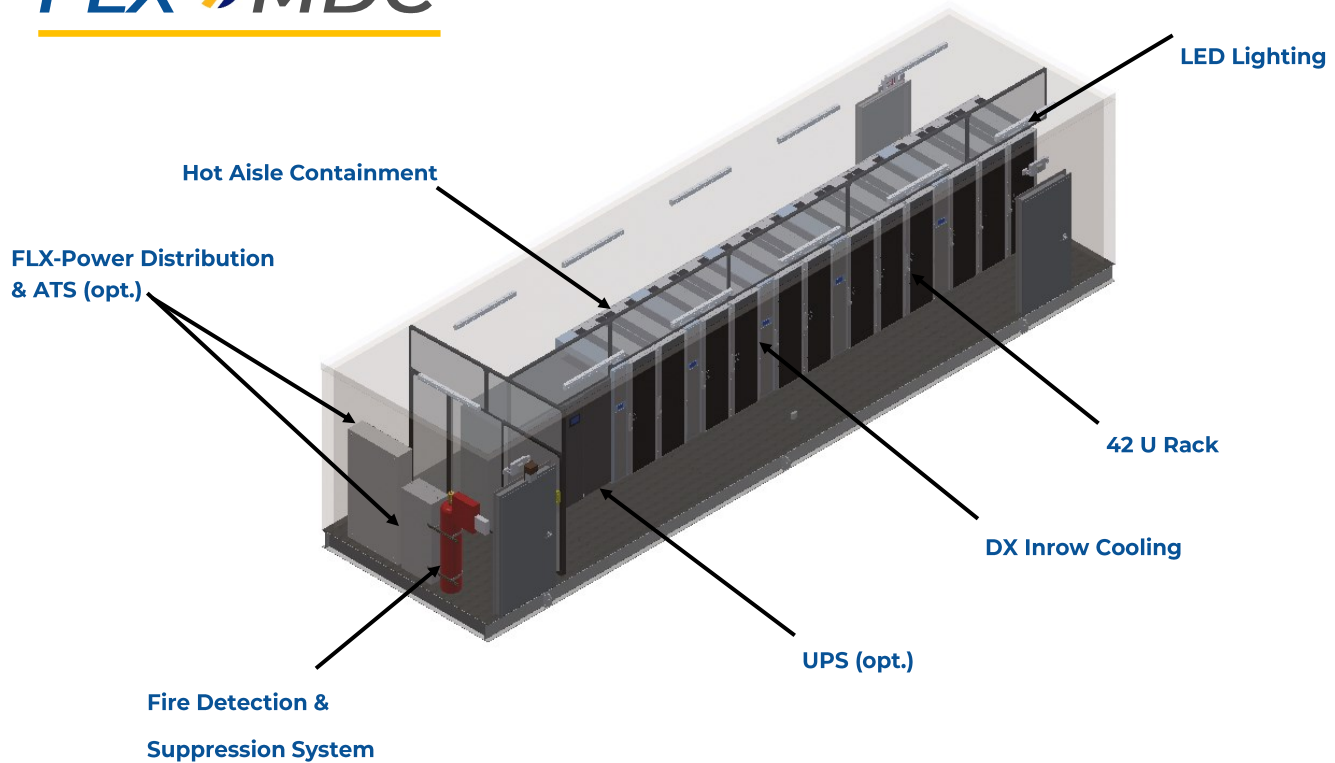


FLX MDC™



Description	Specification	Comments
IT-Load (Total Capacity)	Up to 90 [kW]	Internal UPS N+1 redundancy. DX Inrow Coolers N+1 redundancy
Number of Racks (Total Capacity)	12/14	With UPS/Without UPS
Average Density (kW/Rack)	7.5/6.4	12/14 racks deployed
Maximum Density (kW/Rack)	12	
Operating Min/Max Temp.	-20°F to 95°F	
Module Size (LxWxH)	42'2" x 11'2" x 11'	Outside Dimensions
Module Weight	40,000 lbs./41,500 lbs.	Shipping Wt./Assembled Wt.



FLX MDC™ 90kw
Prefabricated Modular Data Center

Power

Input Power Voltage (Nominal)	480V AC, 3 Phase, 60Hz
Total IT Load	90Kw (12 racks @ 7.5kW per rack)
Nominal Output Voltage to Rack	120V
Main Distribution	Distribution Panel 800A, 480V
Rack Distribution	EMI304-10 (30 C13; (6) C19)
UPS	Eaton 93PM 90kW

Cooling

Type & Number of Units (N+1)	In-Row DX (5)
Cooling Capacity (N)	104kW
Internal Operating Temperature	64.5°F to 85°F

Racks

Rack Qty -	12
Hot Aisle/Cold Aisle	42"/45"

Additional Features

Management System & Safety

Fire Suppression & Detection	Novec inert gas with smoke/heat detection, auto/manual actuation, & audible strobe alarms
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Environmental Monitoring

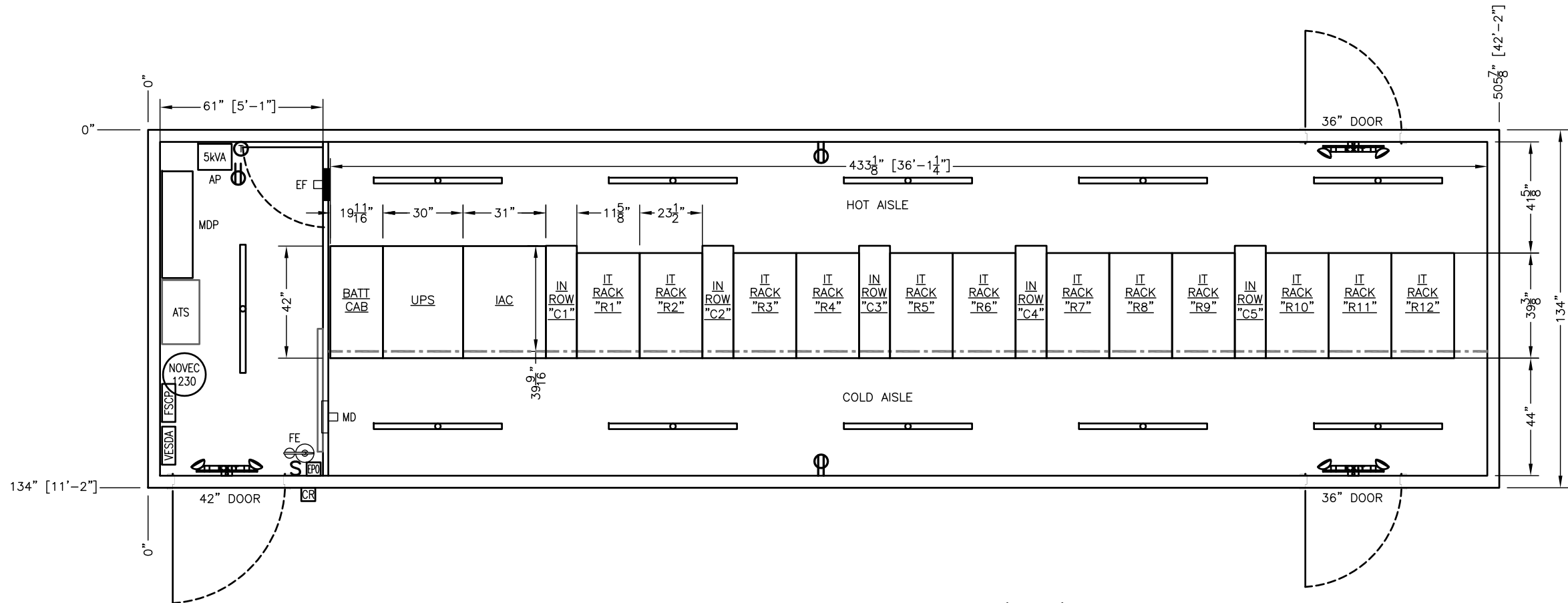
Exits	1 Primary, 2 Emergency
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Physical

Length	42'-2" (506")
Width	Assembled: 17'-0" (204") with condensers; Shipping: 11'-2" (134")
Height	11'-0" (132")
Weight (Estimated)	Assembled: 41,500 lbs.; Shipping: 40,000 lbs

Environmental (External)

Operating Min/Max Temp.	-20°F to 95°F
Seismic & Wind Loading	Site Specific



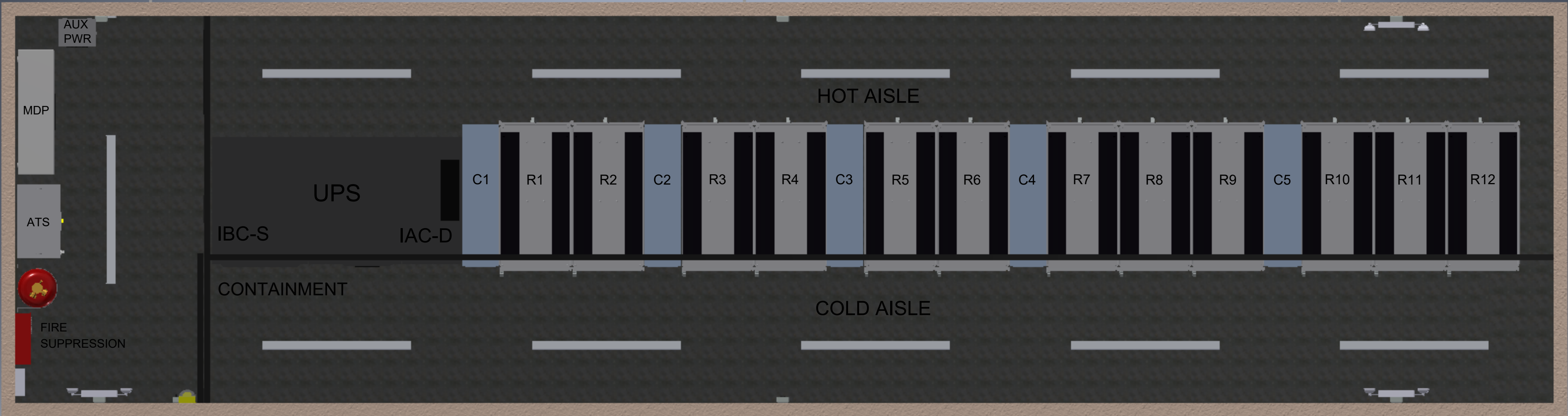
PLAN VIEW – MODULAR DATA CENTER (MDC)

WEIGHT (LBS):
MDC (SHIPPING): 50,000 (TBD)

HEIGHT:
BUILDING: 11"–0" (HI); 10'–9" (LOW)
[12" BASE; 5" ROOF (SLOPE 1/4"/FT)]

LEGEND:
AP–AUXILLIARY POWER
ATS–AUTOMATIC TRANSFER SWITCH
CR–CARD READER
EF–EXHAUST FAN
EPO–EMERGENCY POWER OFF
FE–FIRE EXTINGUISHER
FSCP–FIRE SUPPRESSION CONTROL PANEL
MDP–MAIN DISTRIBUTION PANEL
MD–MOTORIZED DAMPER
T–THERMOSTAT
UPS–UNITERRUPTIBLE POWER SUPPLY

REVISION HISTORY:
A–[7/15/19]: INITIAL REVIEW
B–[7/22/19]: ZERO POINT; ADD 2FT. LENGTH; LOAD CENTER; (2) HIGH–CAPACITY IRC; RACK ARRANGEMENT; CONTAINMENT WALL WITH SLIDER & SWING DOOR; MOMENT FRAME; TOTAL WT TBD
C–[7/23/19]: OMIT KPS & MOMENT FRAME; ADD COMPOSITE ENCLOSURE; SHIFT UPS TO CENTER
D–[7/30/19]: OMIT IAC CABINET; DIMENSION ADJUSTMENTS
E–[7/31/19]: 480V SYSTEM; UPS; IRC DESIGN; CARD READER
F–[8/5/19]: RENAME LC TO AP; REARRANGE ELEC; OMIT WINGWALL; ADD EF, EPO, FE, MD, LEGEND



ELECTRICAL LOBBY

DATA HALL

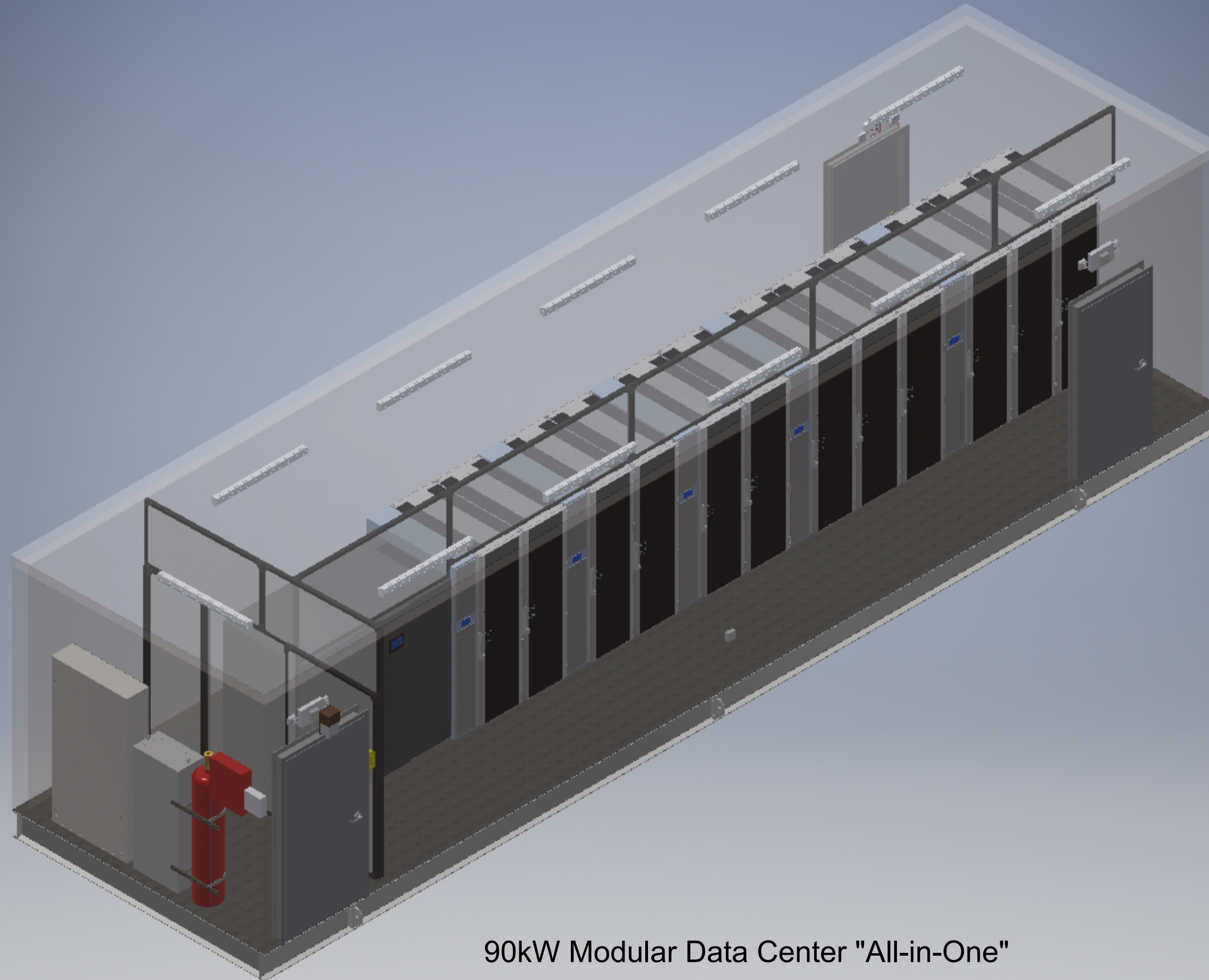
90kW Modular Data Center "All-in-One"



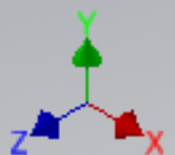


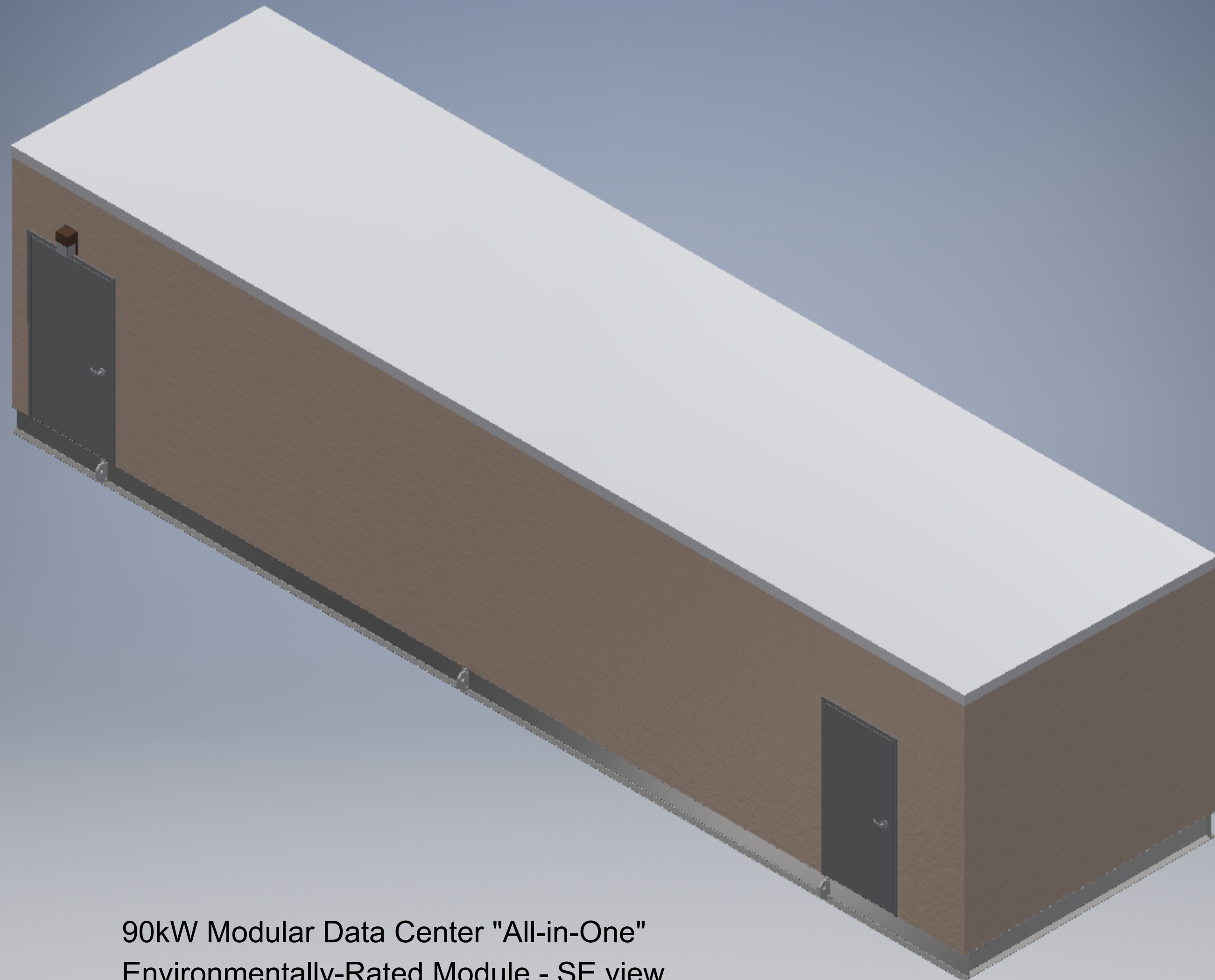
90kW Modular Data Center "All-in-One"
Interior Equipment Layout - SE view





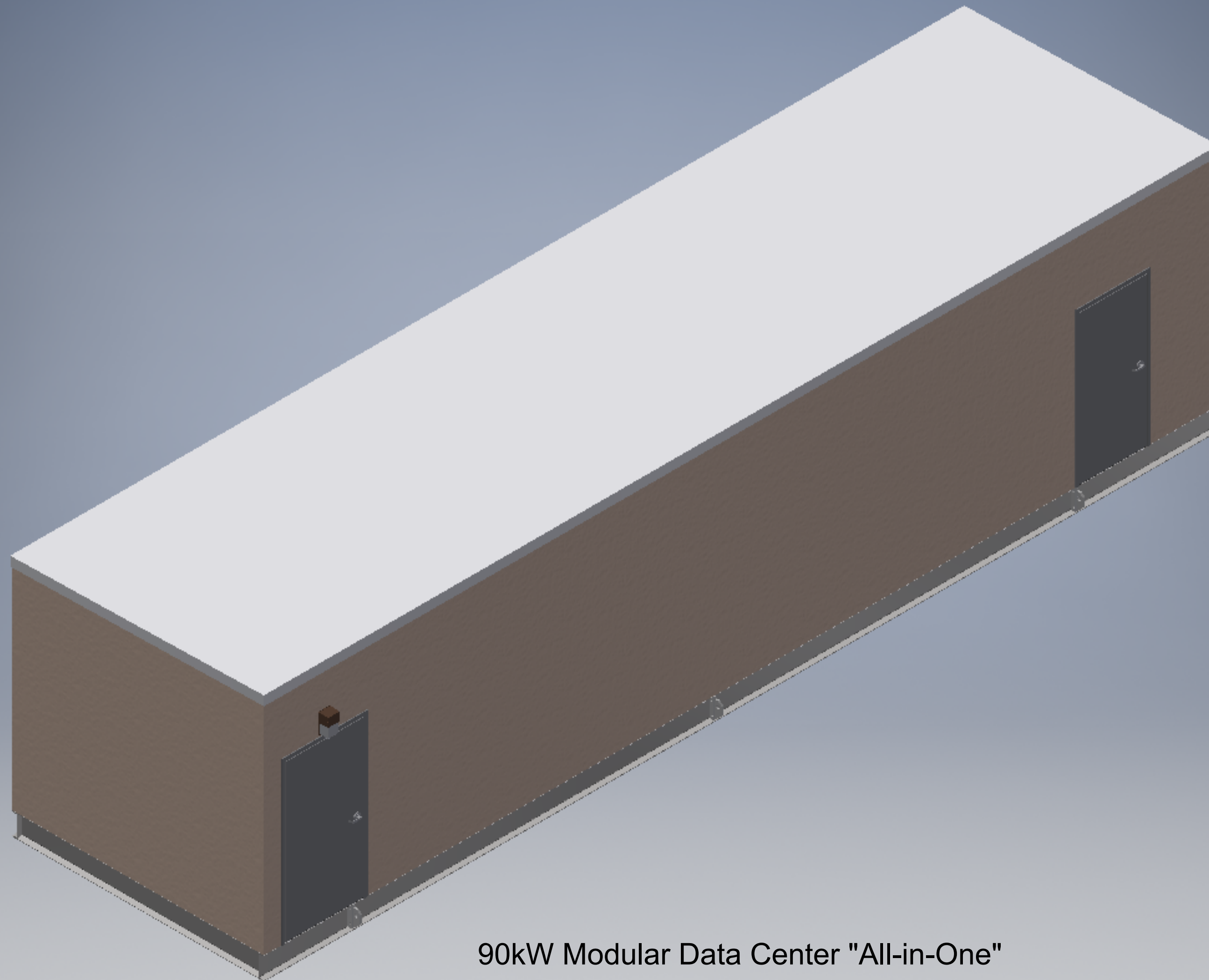
90kW Modular Data Center "All-in-One"
Interior Equipment Layout - SW view





90kW Modular Data Center "All-in-One"
Environmentally-Rated Module - SE view





90kW Modular Data Center "All-in-One"
Environmentally-Rated Module - SW view

