

Provide, install, and commission a Honeywell SXB36 Network Power Meter at each of the following electrical services:

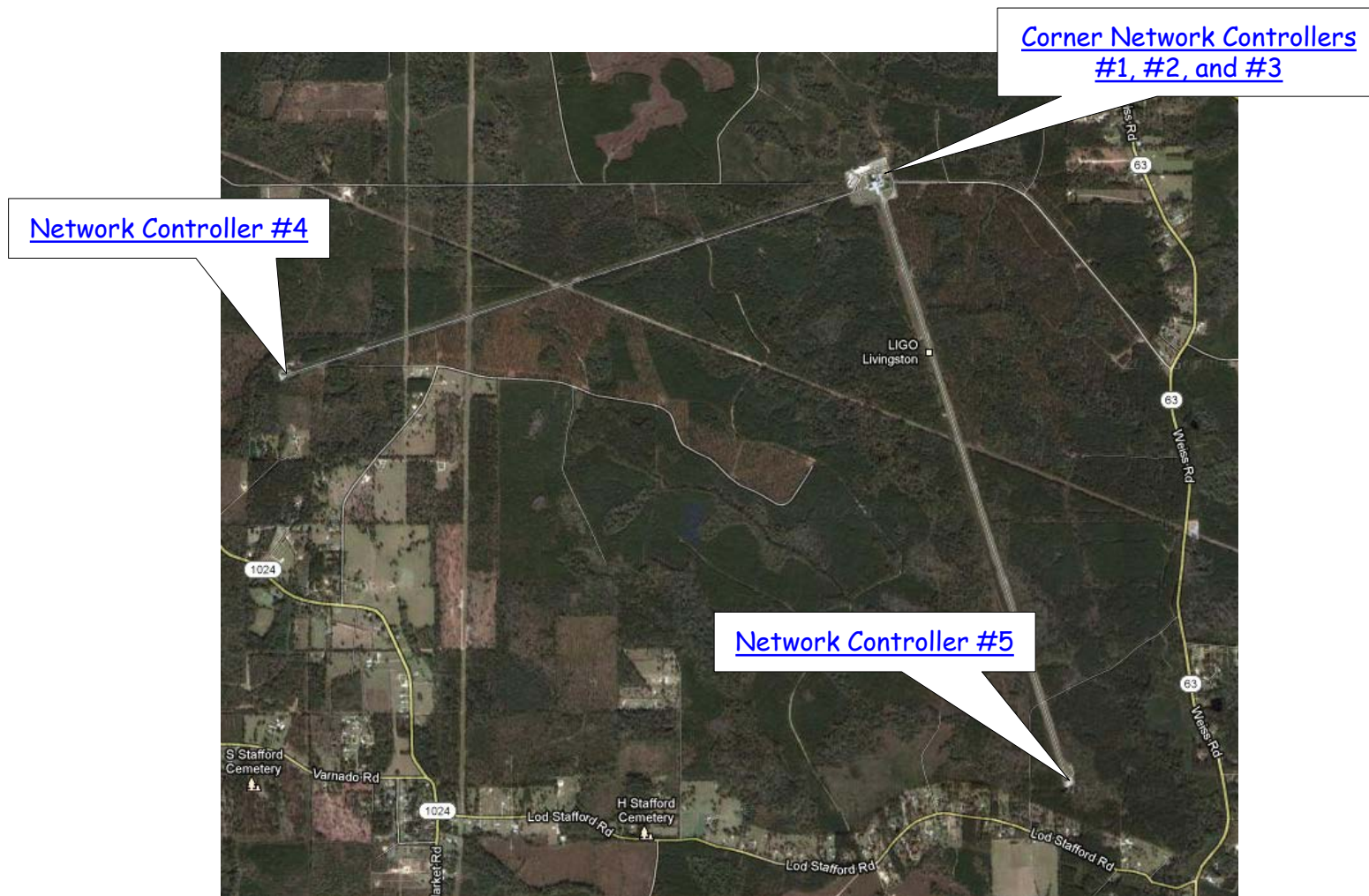
- Corner Station Mechanical Room (2000 amp 480/277 volt)
- Maintenance Building/Chiller (2000 amp 480/277 volt)
- Science Education Center (xxx amp xxx volt)
- X West Tunnel (800 amp 480/277 volt)
- Y South Tunnel (800 amp 480/277 volt)

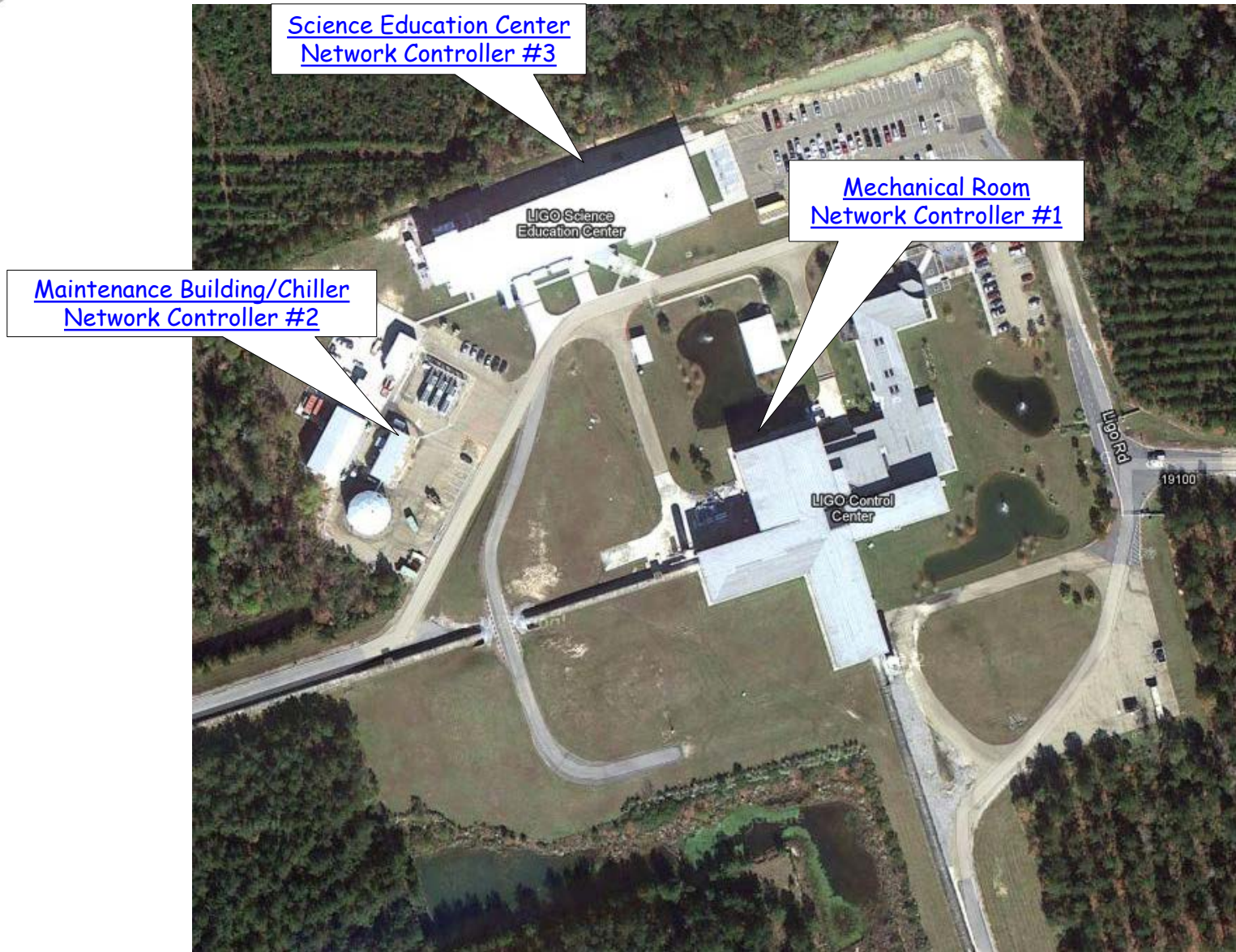
Provide, install, and commission five Honeywell WEBs Network Area Controllers to collect data and provide an operator interface for the power meters as follows:

- Network Area [Controller #1](#): Corner Station Mechanical Room
- Network Area [Controller #2](#): Maintenance Building/Chiller
- Network Area [Controller #3](#): Science Education Center
- Network Area [Controller #4](#): X West Tunnel
- Network Area [Controller #5](#): Y South Tunnel

- * Provide a graphical user interface to allow for real-time data monitoring, historical data trending and report generation, and system critical alarm notification.
(Note: Honeywell WEBs Network Area Controllers provides this user interface.)
- * Provide access to the Network Area Controllers from any computer, smart phone or internet appliance with network connectivity and an internet browser. Note: The Honeywell WEBs system does not require any software to be resident on the local access device. Information can be made accessible through the owner's WAN, LAN or through the internet if desired.
- * Provide and pull network transmission wiring from the Staging Building to the Corner Station Mechanical Room in existing underground conduit.
- * Provide operator training.

- 1) Variations in the peak and RMS voltage
- 2) Spikes, Impulses, or Surges
- 3) Undervoltage events
- 4) Overvoltage events
- 5) Variations in Frequency
- 6) Variations in Harmonic Content
- 7) Non-zero Low- and High-frequency Total Load Impedance
- 8) Total Power Factor

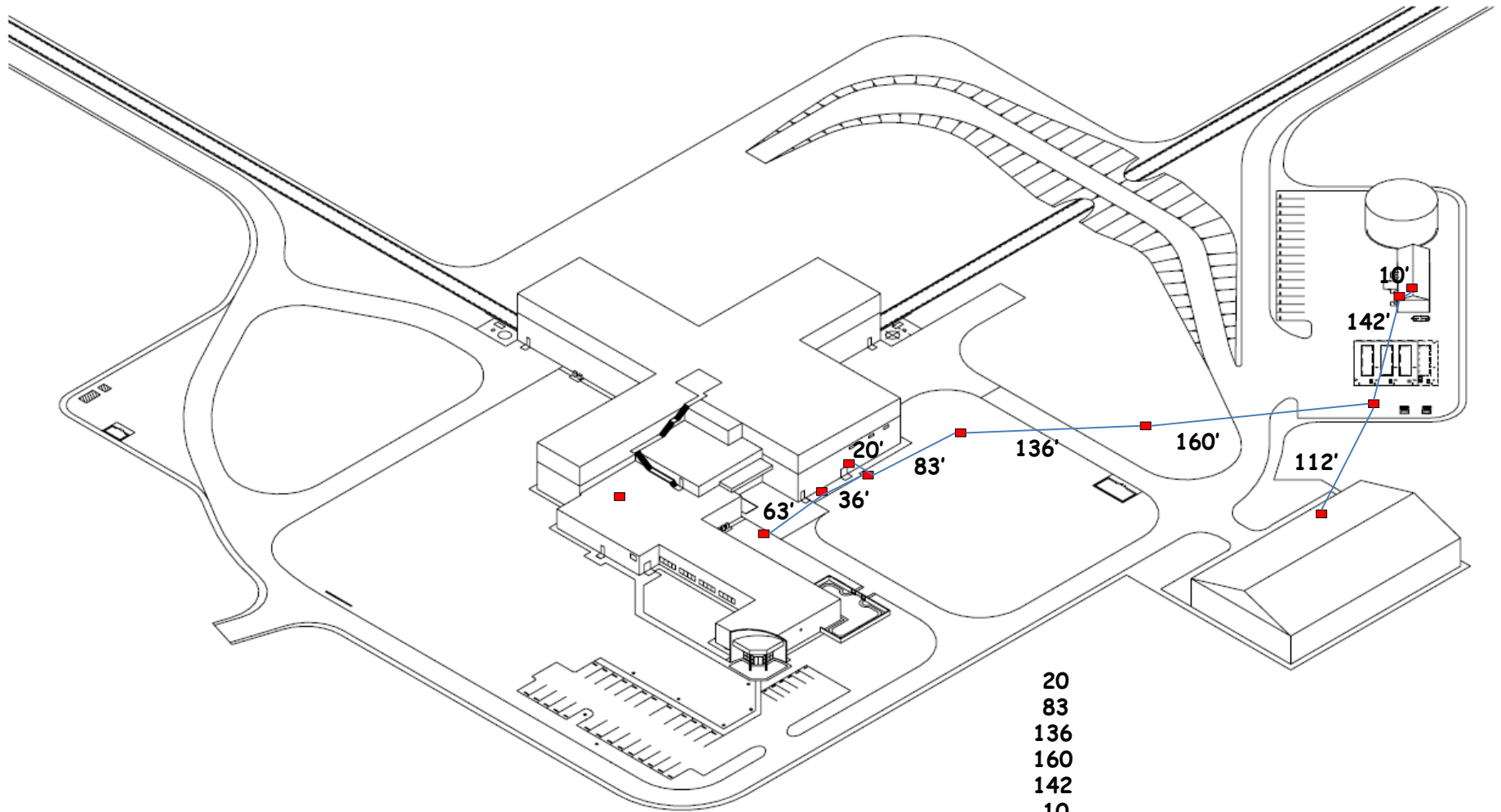




LLO Fiber Optics Cable Run

(If no PULL STRING, use ELECTRICAL SNAKE to fish PULL STRING.)

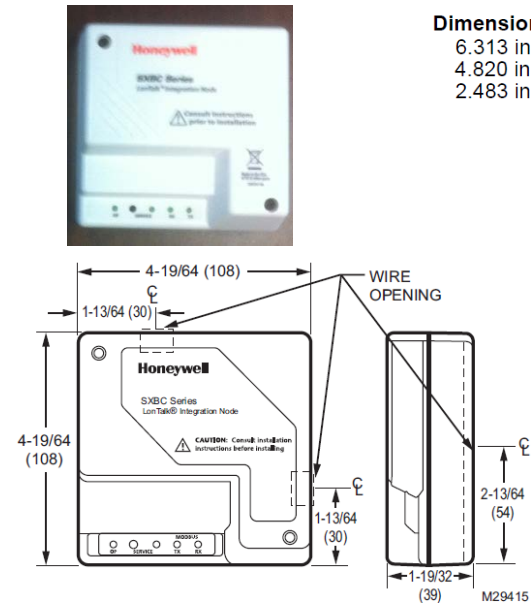
1. Use existing PULL STRING to PULL ROPE.
2. Use PUL ROPE to PULL CABLE and NEW PULL STRING.



551 Mechanical Room to Maintenance Building

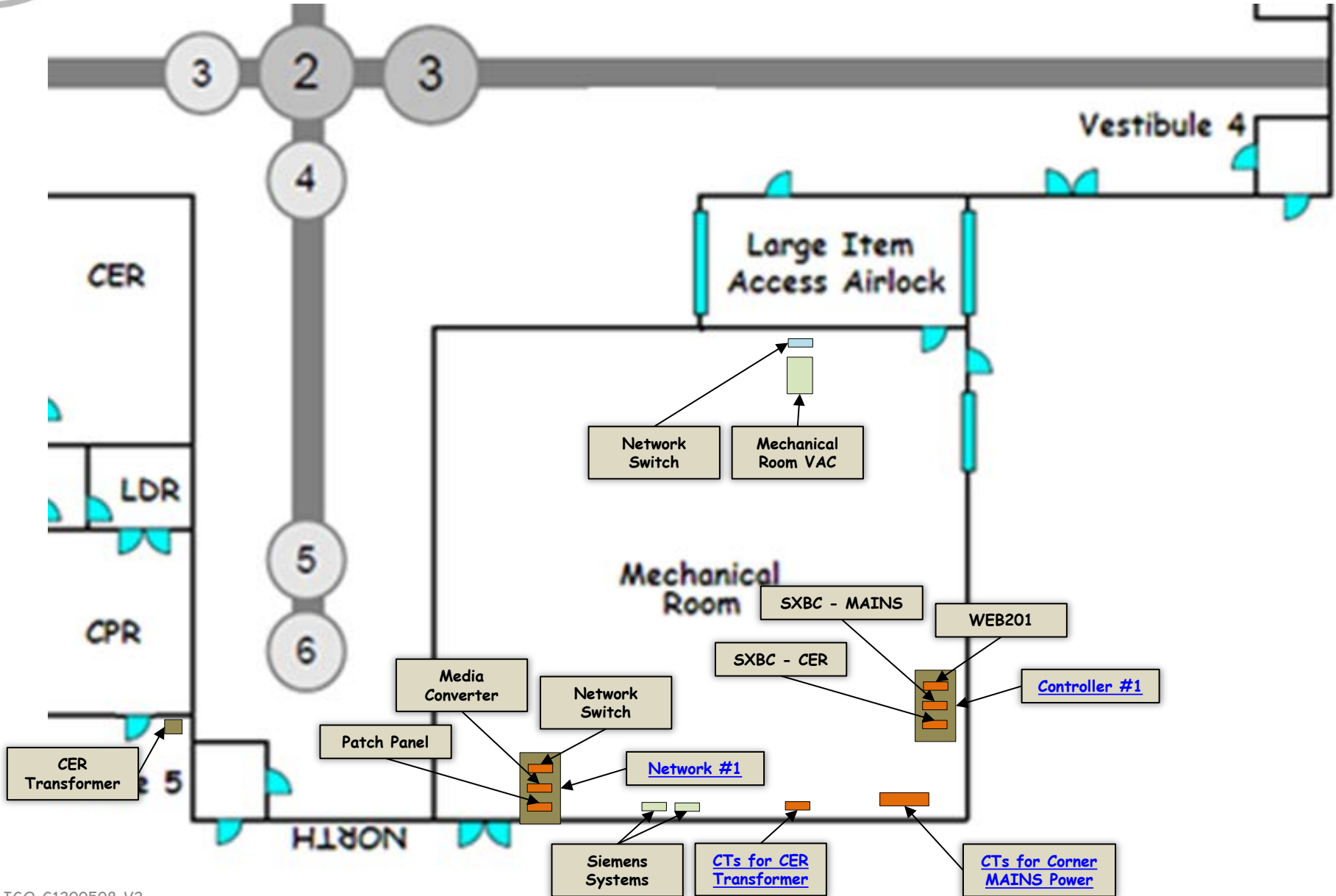


Dimensions (W x H x D):
 6.313 in. (16.04 cm) x
 4.820 in. (12.24 cm) x
 2.483 in. (6.19 cm).



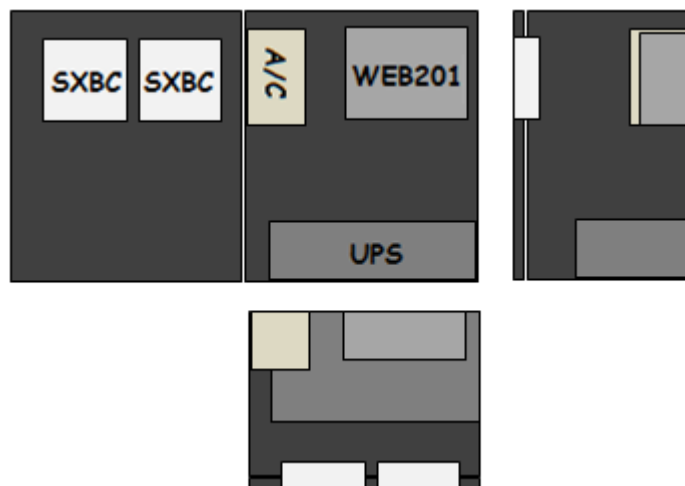
SXBC-1 & SXBC-5 dimensions in in. (mm).

<< LVEA, Corner Station









Controller #1 (at Corner MAINS)



14 x 12 x 8 (plus .5 door depth)



6.313 x 4.82 x 2.483



4.14 x 4.14 x 1.2



3 x 5 x 5



3 x 10.75 x 5.75

Network #1 (at Corner MAINS)



Fiber Patch



Mechanical Room		
Port	Left	Right
1	Blue	Orange
2	Green	Brown
3	Gray	White

Network #1 (at Corner MAINS)



14 x 12 x 8 (plus .5 door depth)



4.7 x 3.5 x 1



3.7 x 4.1 x 1.1



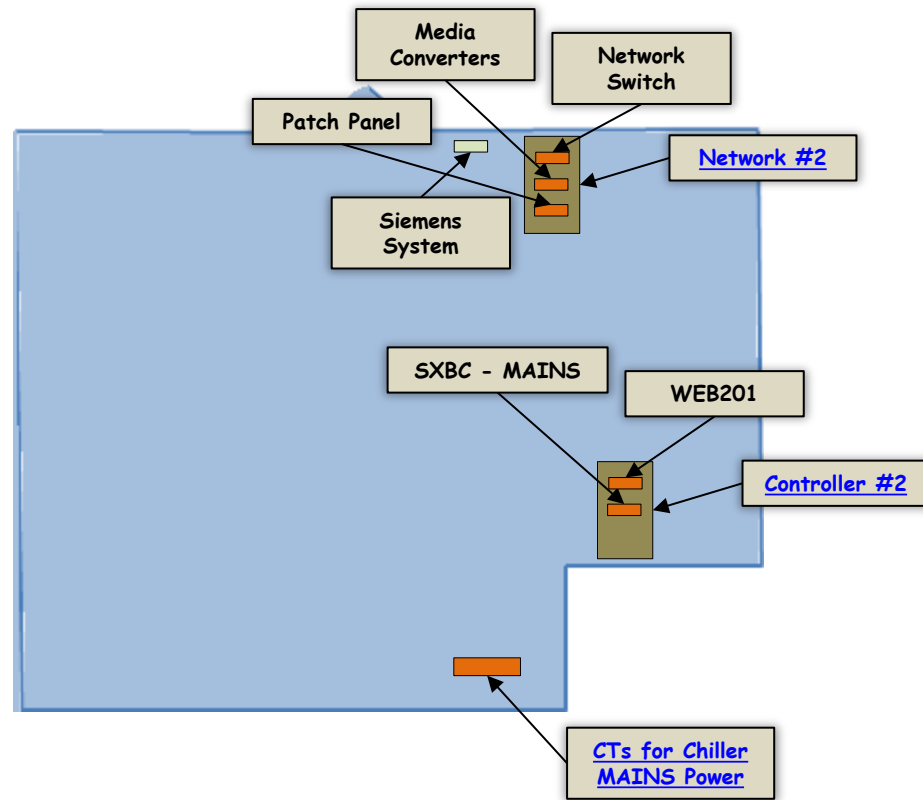
6.3 x 5.5 x 2

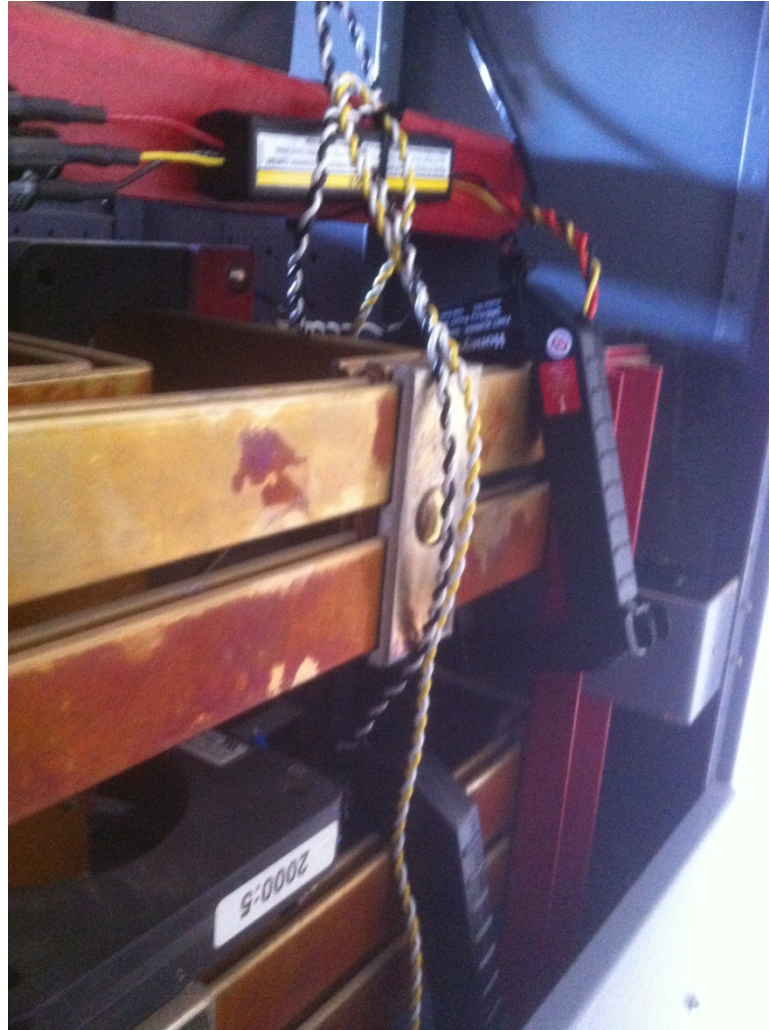


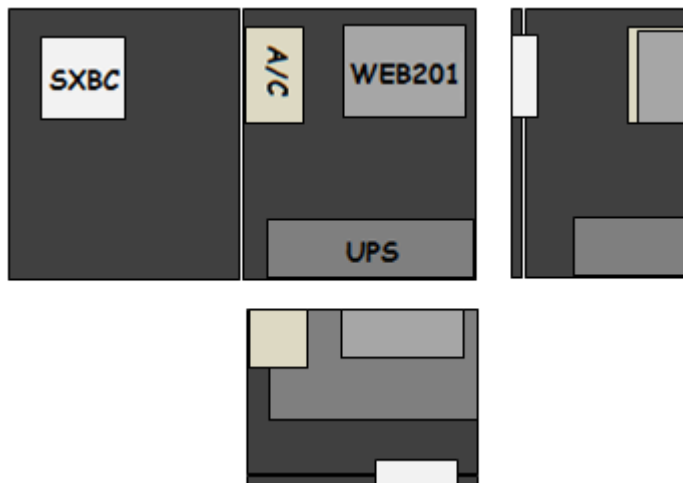
3 x 5 x 5



3 x 10.75 x 5.75







Controller #2 (at Chiller MAINS)



14 x 12 x 8 (plus .5 door depth)



6.313 x 4.82 x 2.483



4.14 x 4.14 x 1.2



3 x 5 x 5



3 x 10.75 x 5.75

Network #2 (at Chiller MAINS)



Fiber Patch



Chiller Room		
Port	Left	Right
1	Blue	Orange
2	Green	Brown
3	Gray	White

Network #2 (at Chiller MAINS)



14 x 12 x 8 (plus .5 door depth)



4.7 x 3.5 x 1



3.7 x 4.1 x 1.1



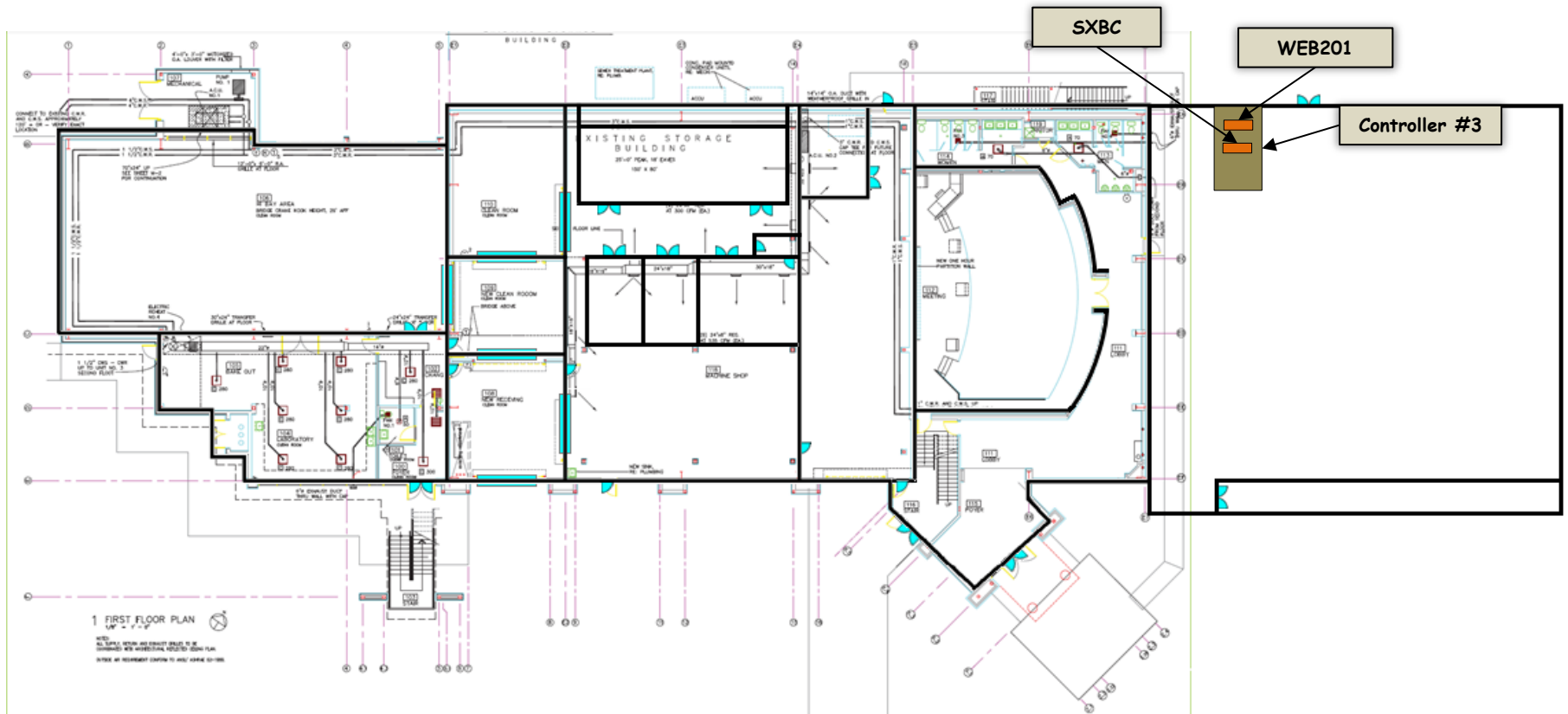
6.3 x 5.5 x 2

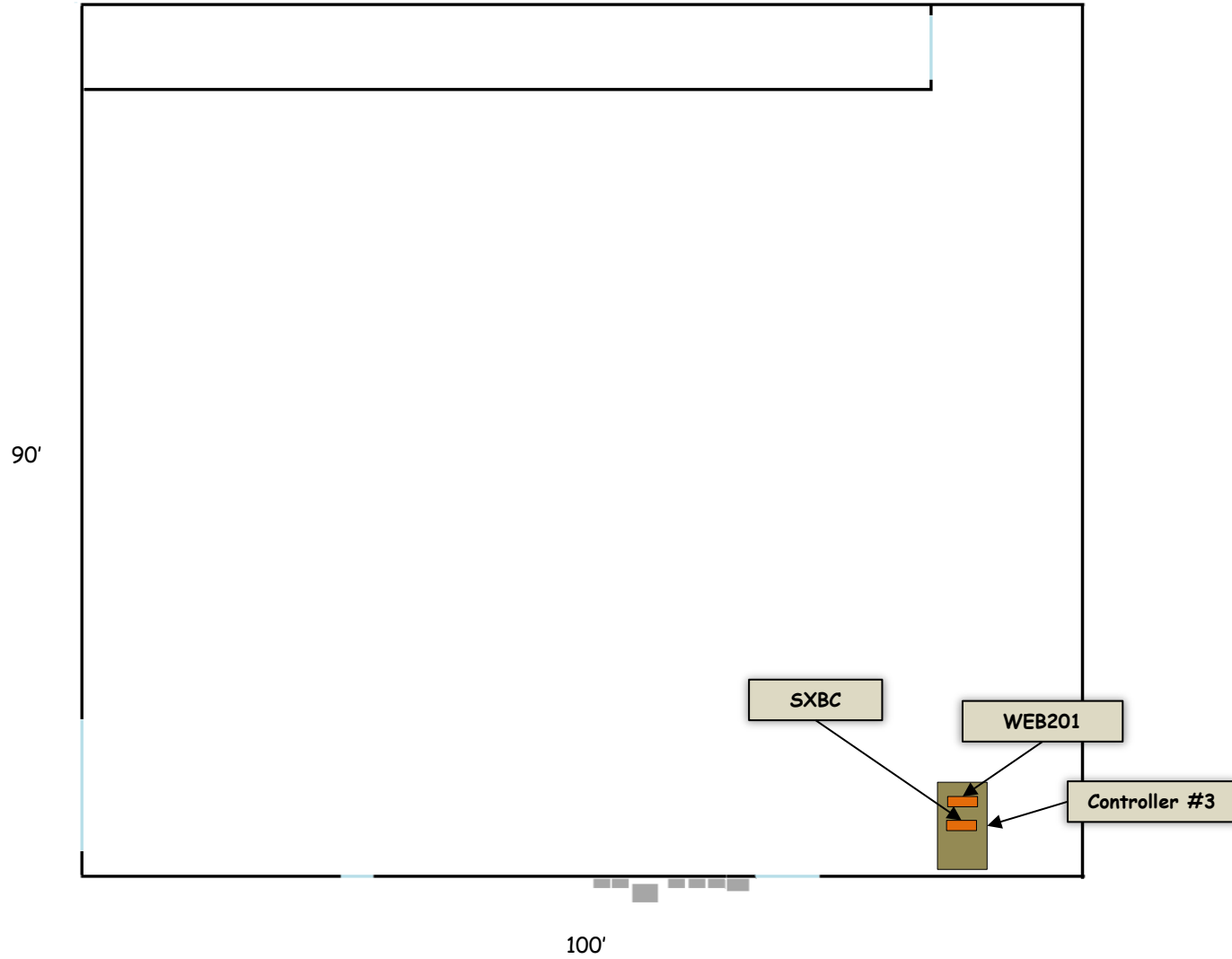


3 x 5 x 5



3 x 10.75 x 5.75





Controller #3 (at SEC)



14 x 12 x 8 (plus .5 door depth)



6.313 x 4.82 x 2.483



4.14 x 4.14 x 1.2



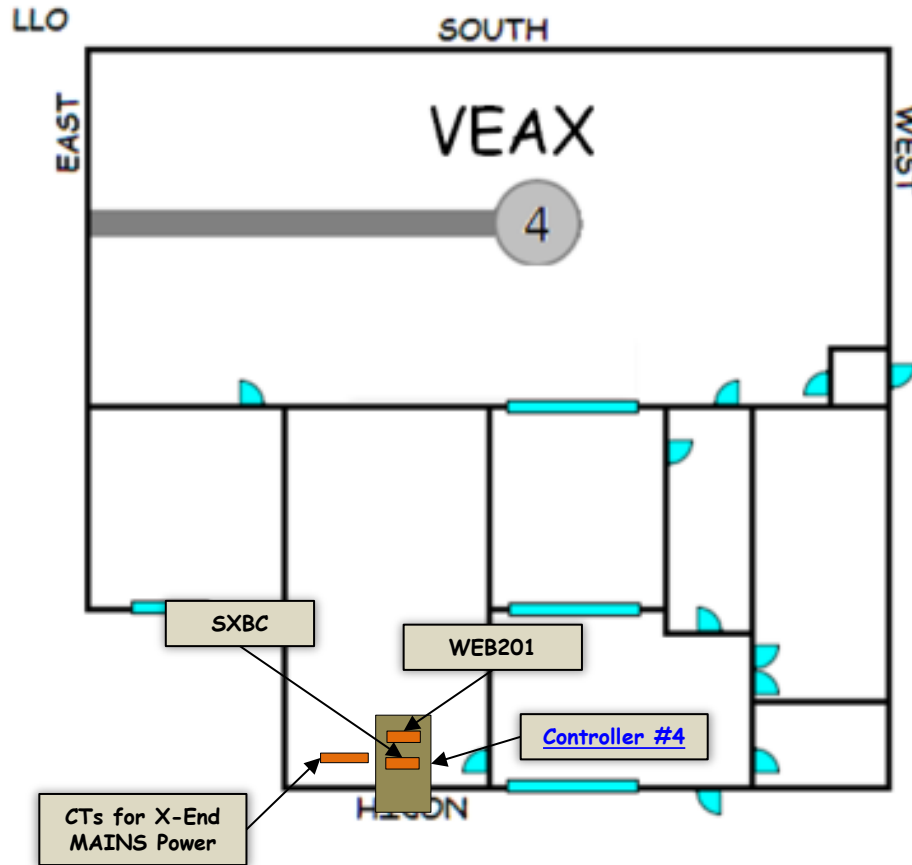
3 x 5 x 5



3 x 10.75 x 5.75

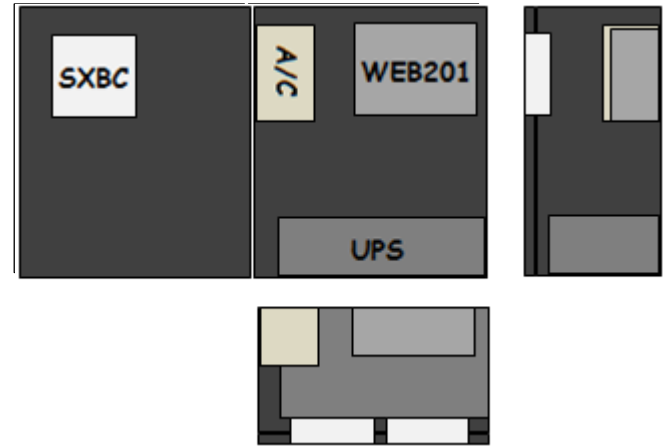


<< X-End, VEAX

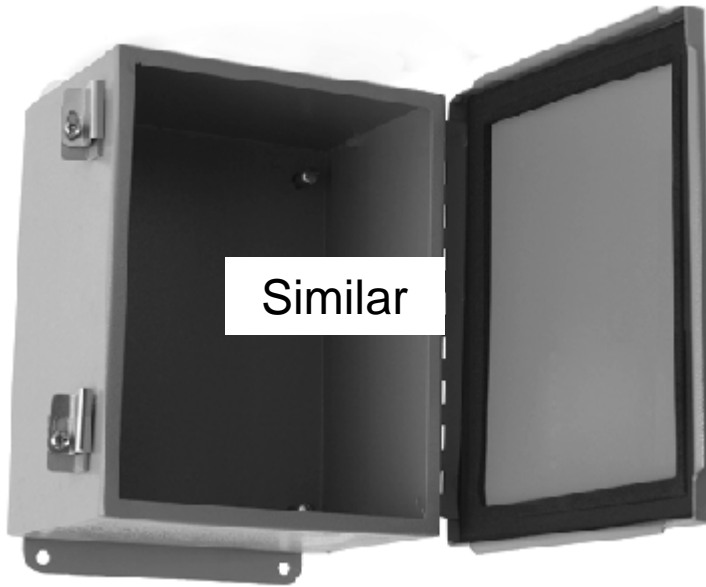




Controller #4 (at X-End MAINS)



Controller #4 (at X-End MAINS)



Similar

12 x 14 x 6.5 (plus .5 door depth)



6.313 x 4.82 x 2.483



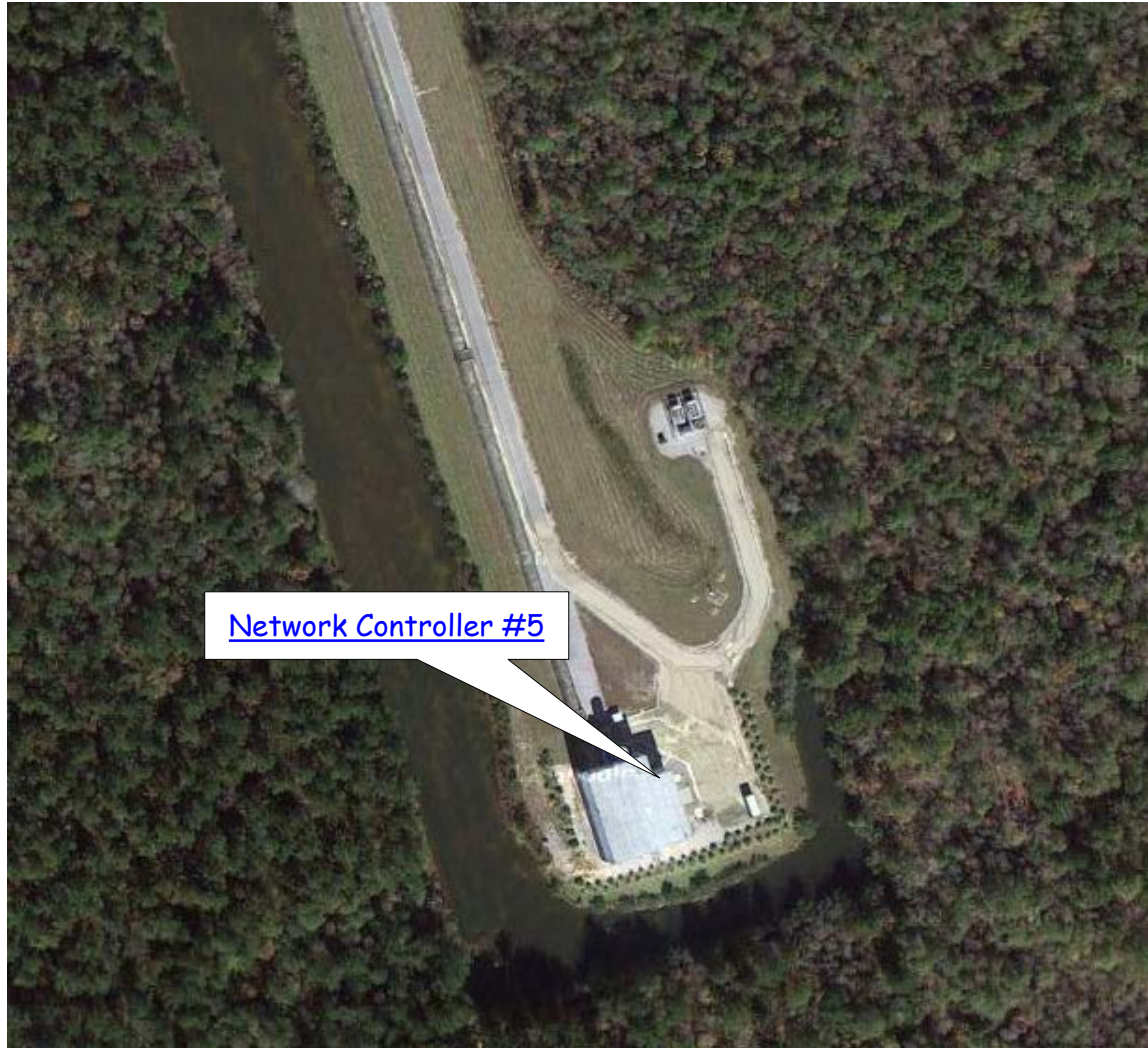
4.14 x 4.14 x 1.2

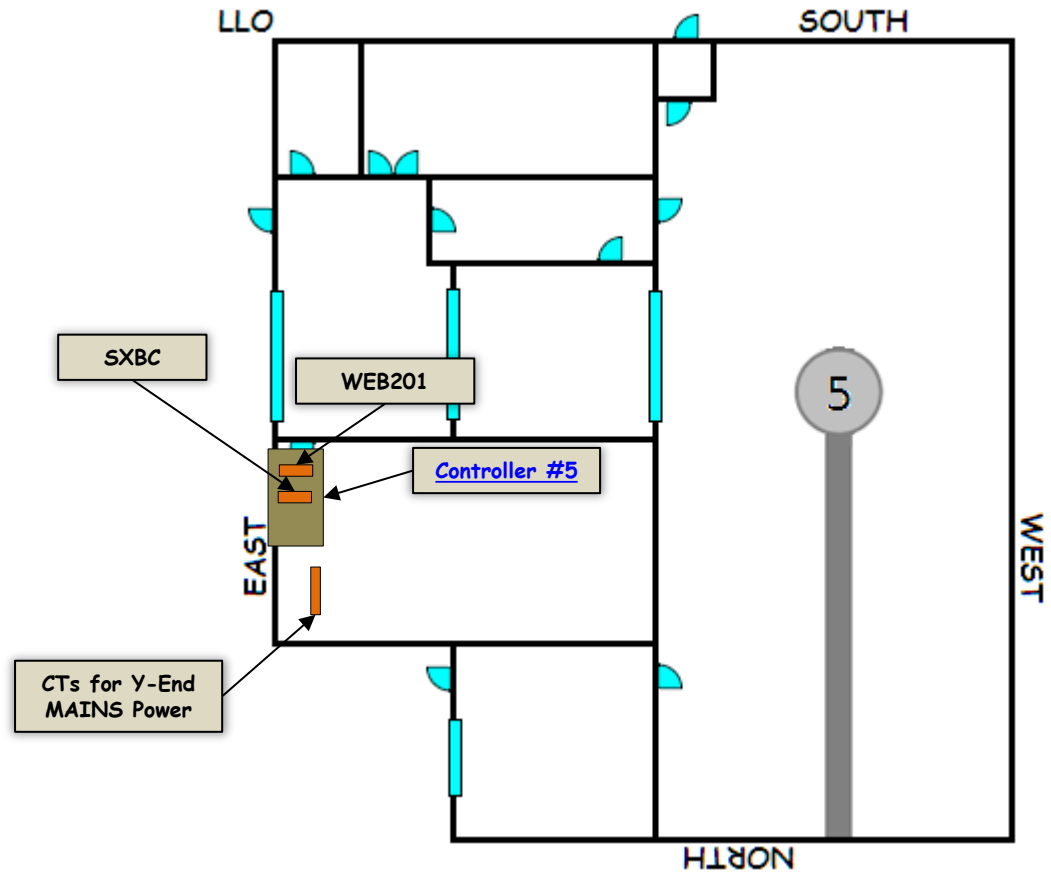


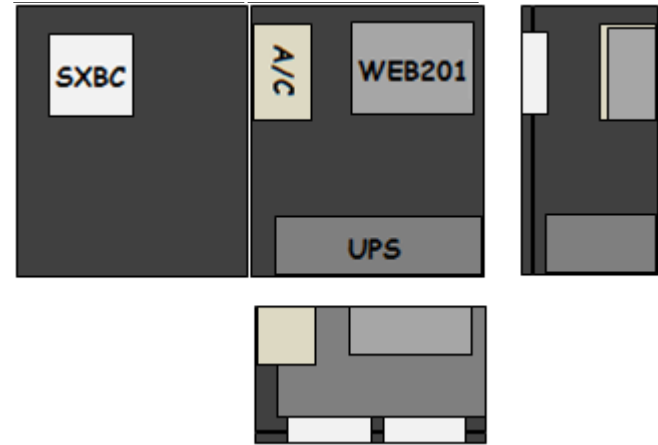
3 x 5 x 5



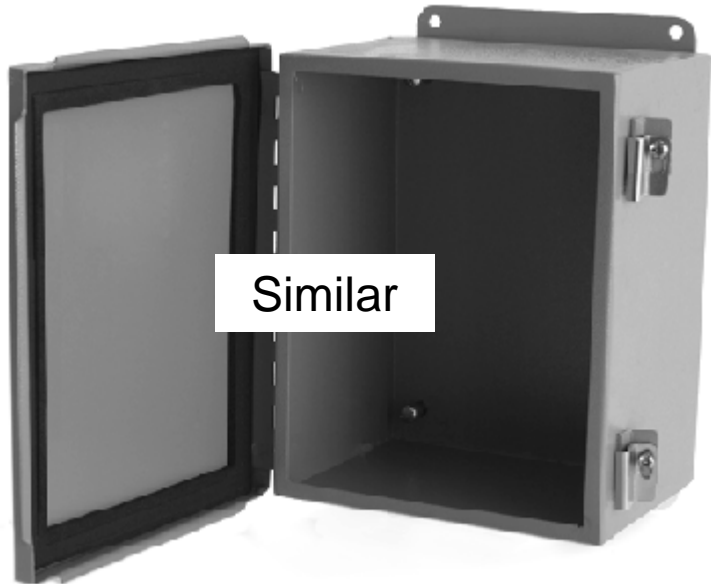
3 x 10.75 x 5.75







Controller #5 (at Y-End MAINS)



Similar

12 x 14 x 6.5 (plus .5 door depth)



6.313 x 4.82 x 2.483



4.14 x 4.14 x 1.2



3 x 5 x 5



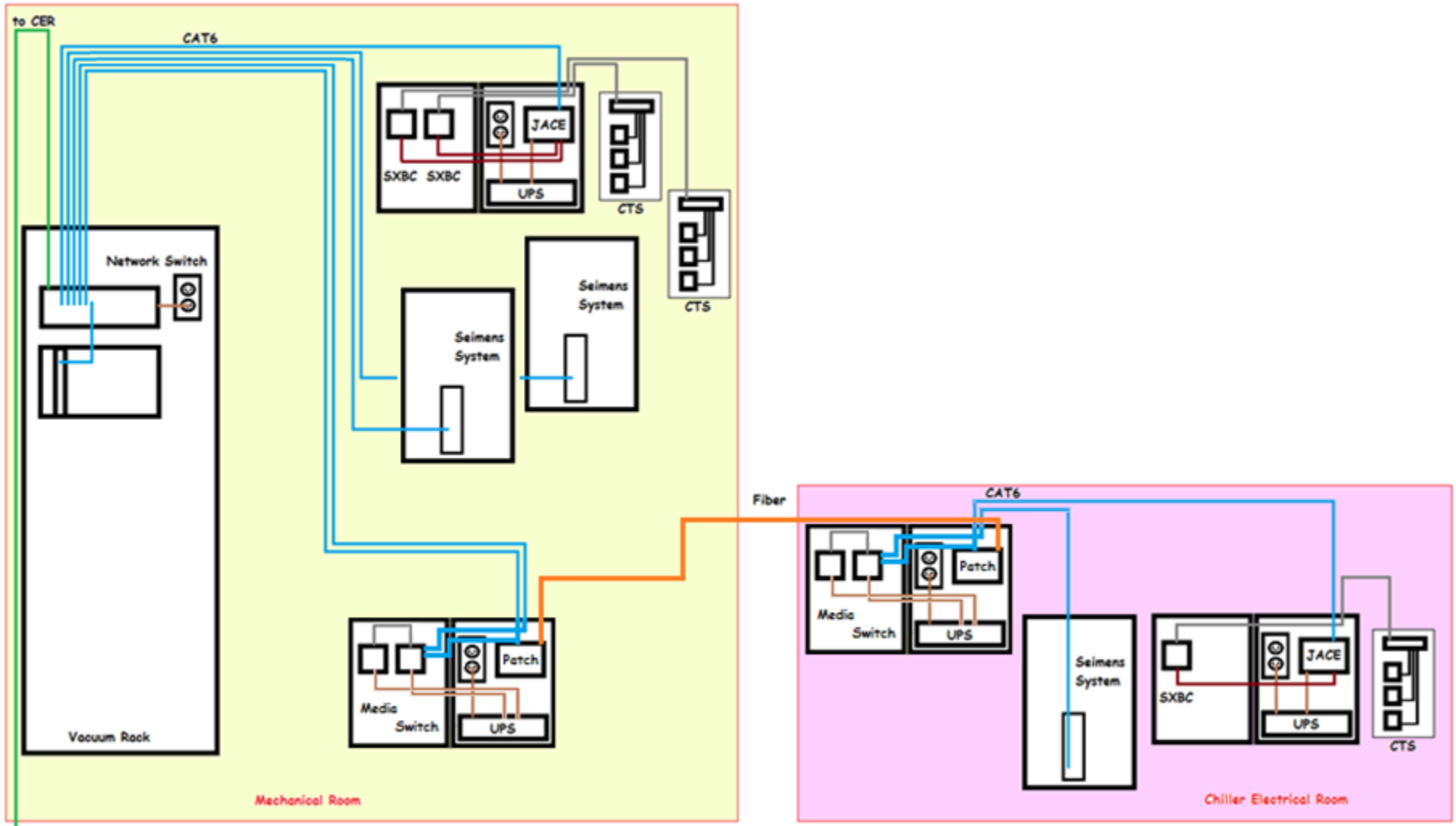
3 x 10.75 x 5.75

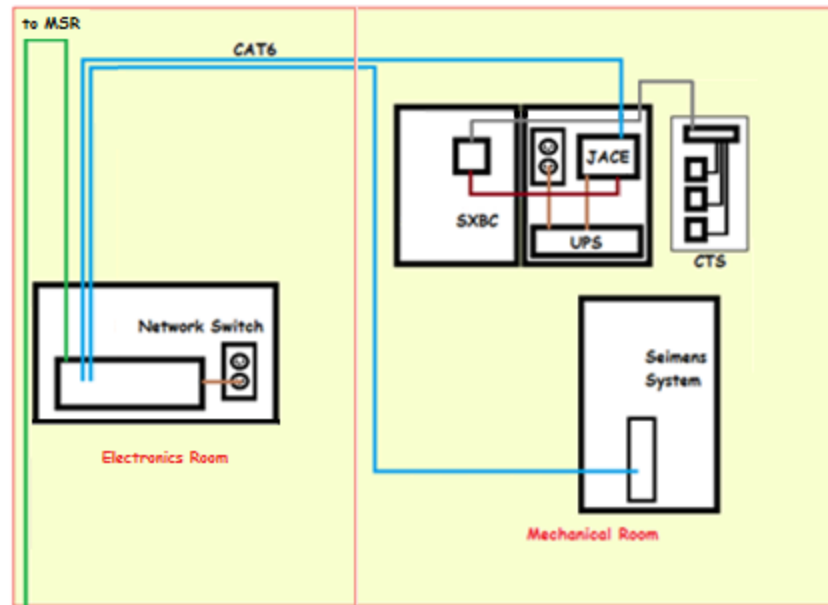
Tripp-Lite ECO650LCD

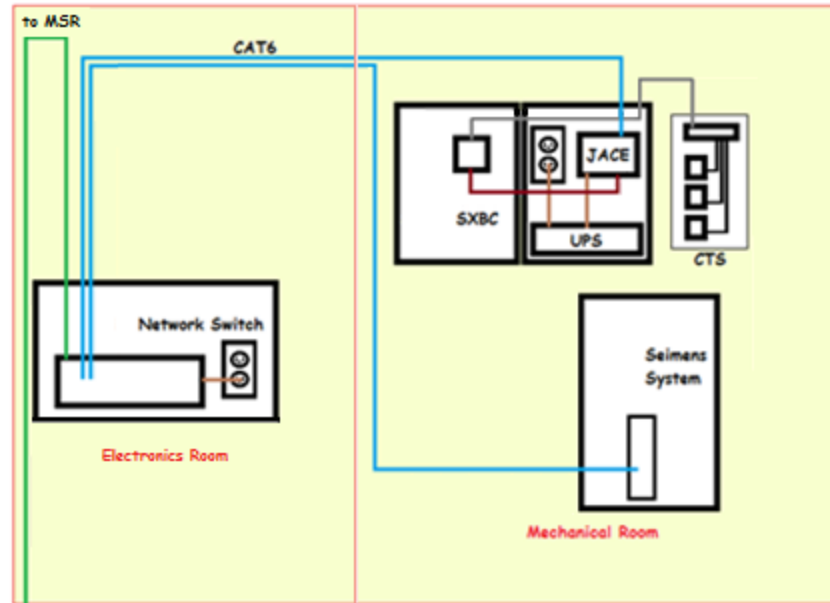


Model:	ECO650LCD
Voltage compatibility:	120 VAC
Frequency compatibility:	60 Hz
VA/Wattage Capacity:	650/325
Battery runtimes (half/full):	10 min./3 min.
Outlet quantity/type:	8 x 5-15R (4 UPS/surge, 3 ECO/surge, 1 surge only)
Signal line protection:	RJ11 tel/modem jacks (1 set)
Communications ports:	1 x HID-compliant USB
Input cord:	6 ft.
Input plug:	5-15P right-angle
Switches/LEDs/alarms:	On/Off switch Mute/Select Switch LCD Display Audible alarm
Dimensions (HWD):	3.5 x 10.75 x 5.75 in.
Weight:	6.25 lb.
UPS housing material:	Plastic
Agency approvals:	UL 1778 (US) / CSA (Canada) NOM (Mexico) FCC Part 15 Category B (EMI) FCC Part 68 / Industrie Canada (telecom) RoHS

Location	Model	Serial Number
Corner MAINS	ECO650LCD	2225EYOBC794100399
Corner Network	ECO650LCD	2225EYOBC7941xxxxx
Chiller MAINS	ECO650LCD	2225EYOBC794100055
Chiller Network	ECO650LCD	2225EYOBC7941xxxxx
X-End MAINS	ECO650LCD	2225EYOBC794100400
Y-End MAINS	ECO650LCD	2225EYOBC794100386







Entity	IP Address
WEB201 - Mechanical Room	
WEB201 - Maintenance Building	
WEB201 - Science Education Center	
WEB201 - End X Mechanical Room	10.110.70.10
WEB201 - End Y Mechanical Room	10.110.70.30
Mechanical Room Siemens 1	
Mechanical Room Siemens 2	
Maintenance Building Siemens	
End X Siemens	10.110.70.11
End Y Siemens	10.110.70.31
Gateway	10.110.70.1
Network	255.255.255.6