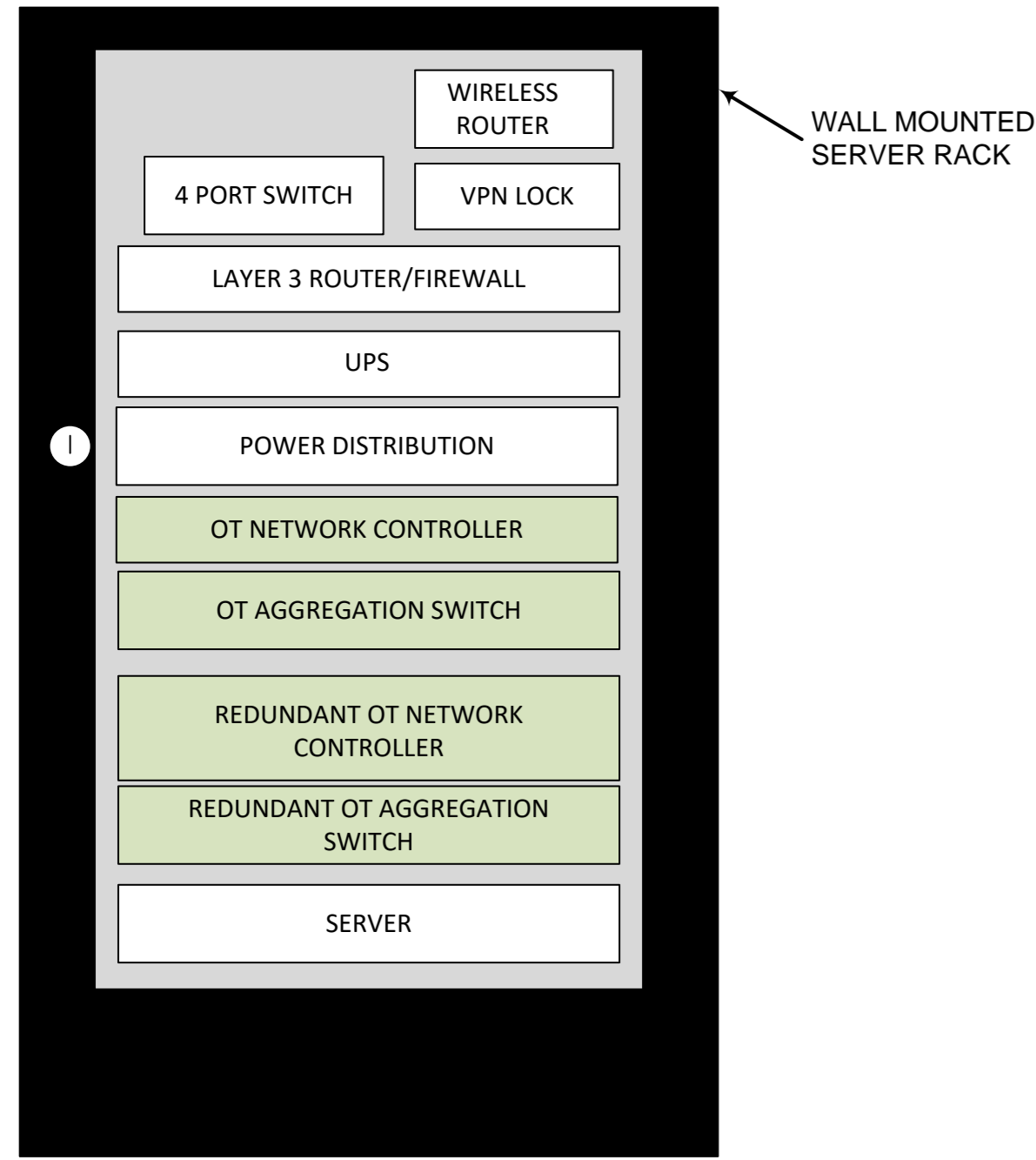


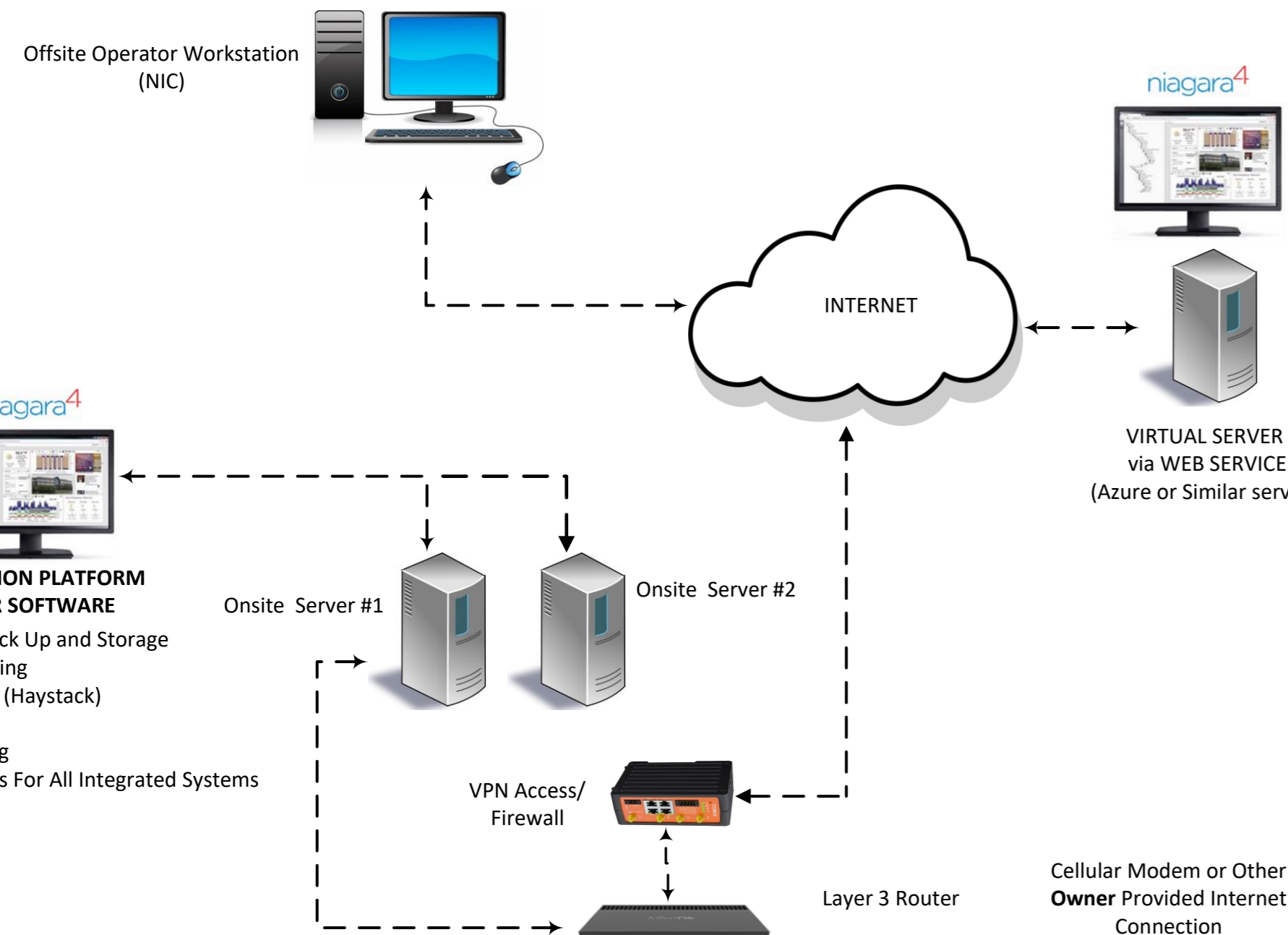
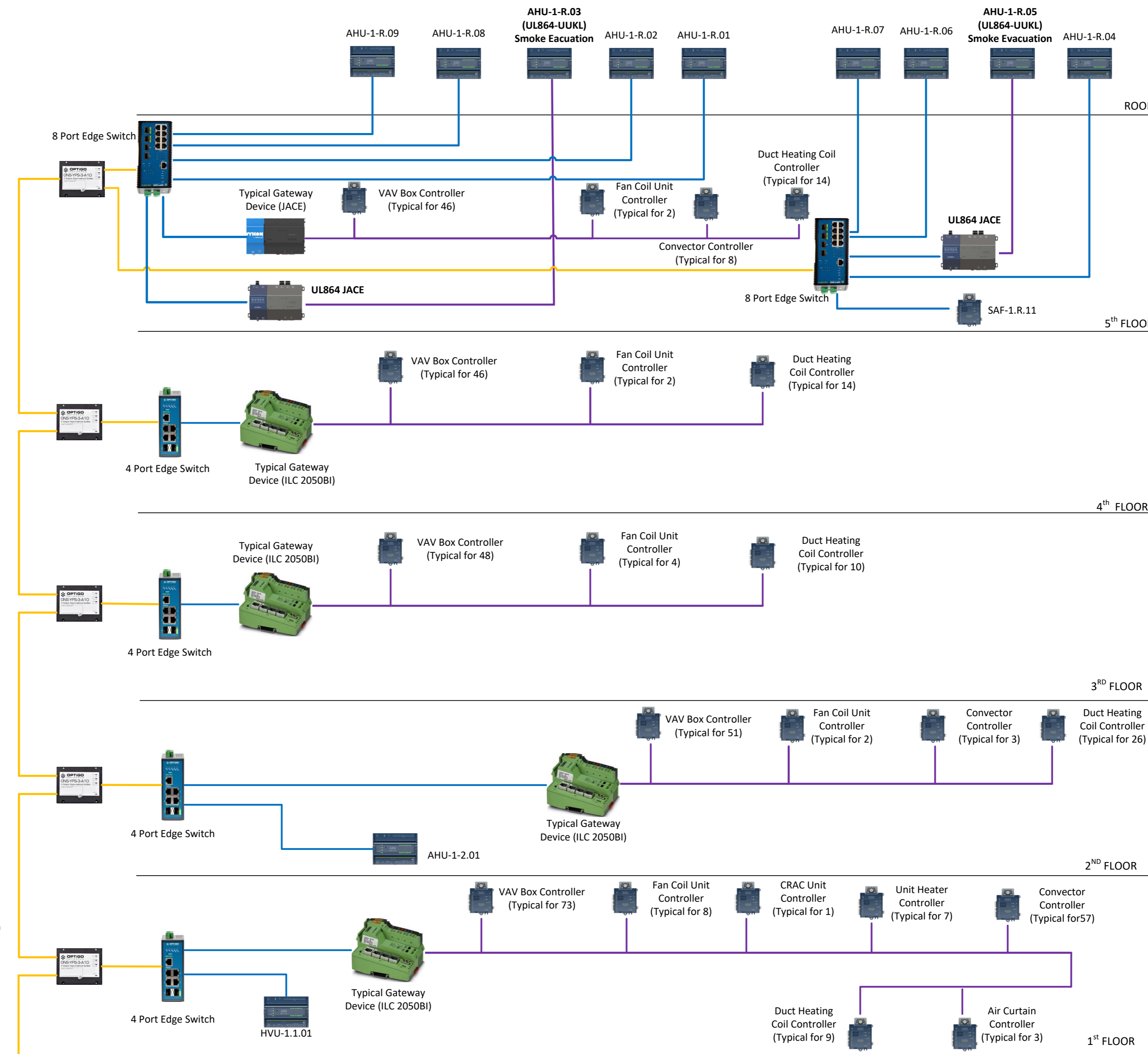
SYSTEMS INTEGRATION TOPOLOGY

GENERAL NOTES

- THIS DRAWING IS DIAGRAMATIC IN NATURE AND IS NOT FOR CONSTRUCTION. THIS DRAWING MERELY DEPICTS THE DESIGN INTENT AND GENERAL TOPOLOGY FOR THE OPERATIONAL TECHNOLOGY NETWORK (OTN). CONNECTED SYSTEMS AND SUBNETWORKS WILL BE DETERMINED BY THE OWNER AND RESPECTIVE SUBCONTRACTORS.
- ALL VLANS FOR SEGMENTING OT TO BE DETERMINED AT A LATER DATE.
- THE NUMBER AND TYPE OF OTN EDGE SWITCHES WILL BE BASED ON FINAL IP CONTROLLERS AND DEVICE CONNECTIONS AT EACH FLOOR AND WILL BE DETERMINED AT A LATER DATE.
- THE FINAL COUNT AND CONFIGURATION OF THE SPLITTERS WILL BE DETERMINED DURING THE AS-BUILT DRAWING PHASE.
- REDUNDANT FRONT END AGGREGATION SWITCH WILL REMAIN IN "STAND-BY MODE". IN THE EVENT OF A FAILURE, THE REDUNDANT SWITCH WILL AUTOMATICALLY BE ACTIVATED.
- IF IT IS DECIDED THAT OTHER OPERATIONAL TECHNOLOGY WILL RESIDE ON THIS NETWORK, THE QUANTITY OF GATEWAY DEVICES (JACES) MAY CHANGE.
- THE LOCATION OF THE SERVER RACK, FRONT END EQUIPMENT AND ETHERNET DROPS FOR NETWORK ACCESS SHALL BE DETERMINED AT A LATER DATE.
- THE FIBER FOR THE OTN (FROM BUILDING TO BUILDING) SHALL BE RUN IN THE TUNNEL.



OT NETWORK MDF
NOT TO SCALE



- INTEGRATION PLATFORM SERVER SOFTWARE**
- Data Back Up and Storage
 - Scheduling
 - Tagging (Haystack)
 - Alarms
 - Trending
 - Graphics For All Integrated Systems

- NETWORK COMM LEGEND**
- Single Mode Fiber
 - CAT 6 CABLE
 - RS 485
 - CAT 5 CABLE

- Single Mode Fiber to BUILDING 2
- Single Mode Fiber to BUILDING 3
- Single Mode Fiber to BUILDING 4
- Tunnel

Key Plan:	
Facility:	
Project:	
Drawing Title: OT NETWORK TOPOLOGY	
Drawn By:	Drawing No.
Checked By:	SI-1
Issue Date:	