HPE6-A49 Q&As

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QUESTION 1

Refer to the exhibit.

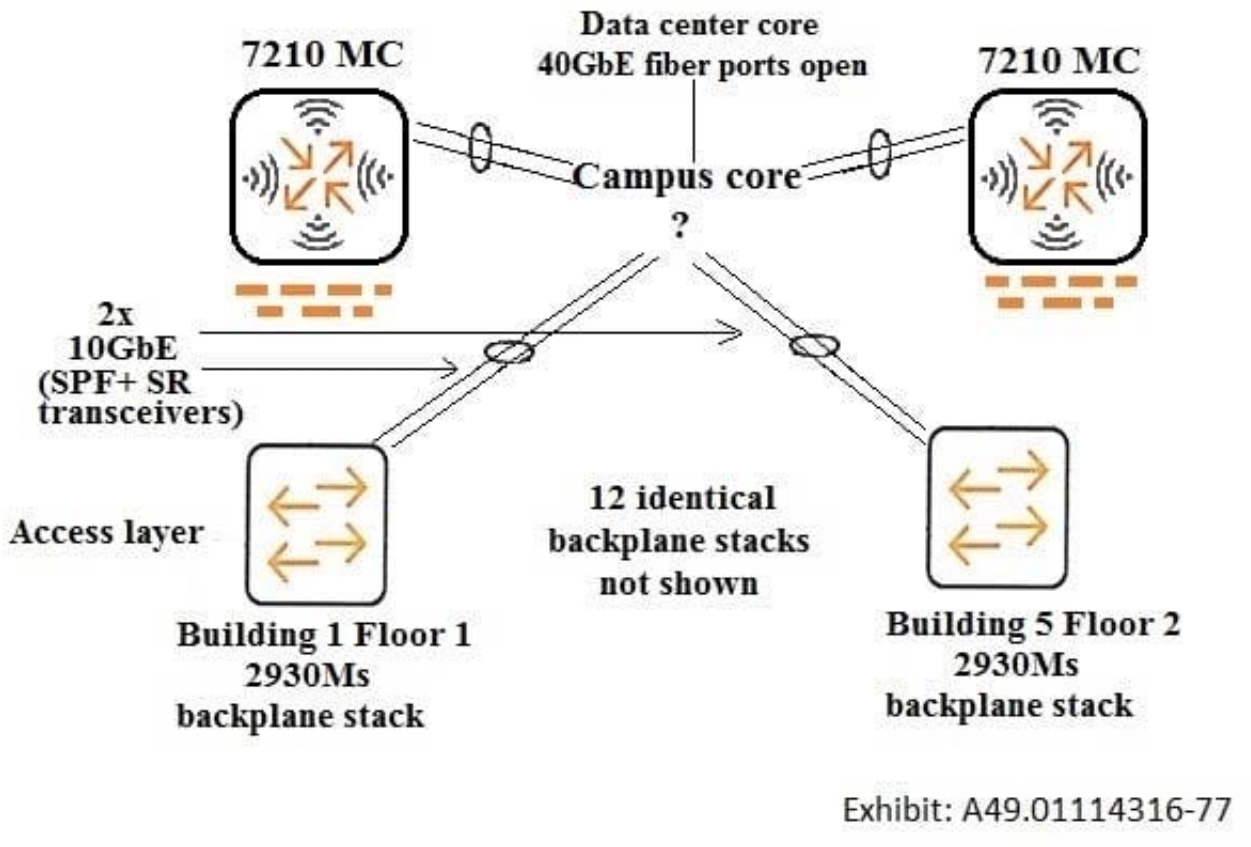


Exhibit: A49.01114316-77

An architect has planned the wireless and wired access layers for a network upgrade. The entire solution

must support 9,000 wireless devices and 2,250 wired endpoints.

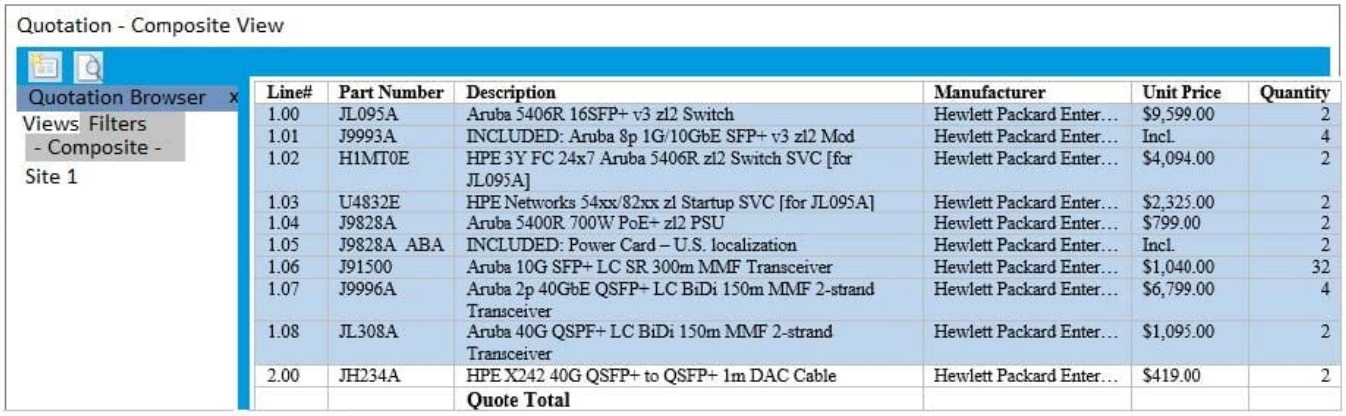
The campus core must meet these requirements:

no more than 4:1 oversubscription on the links to the data center

switch-level redundancy near instant failover if one core switch fails link aggregations between access layer and core same switch software used across the entire campus

Which exhibit shows a campus core that meets the customer needs?

A.

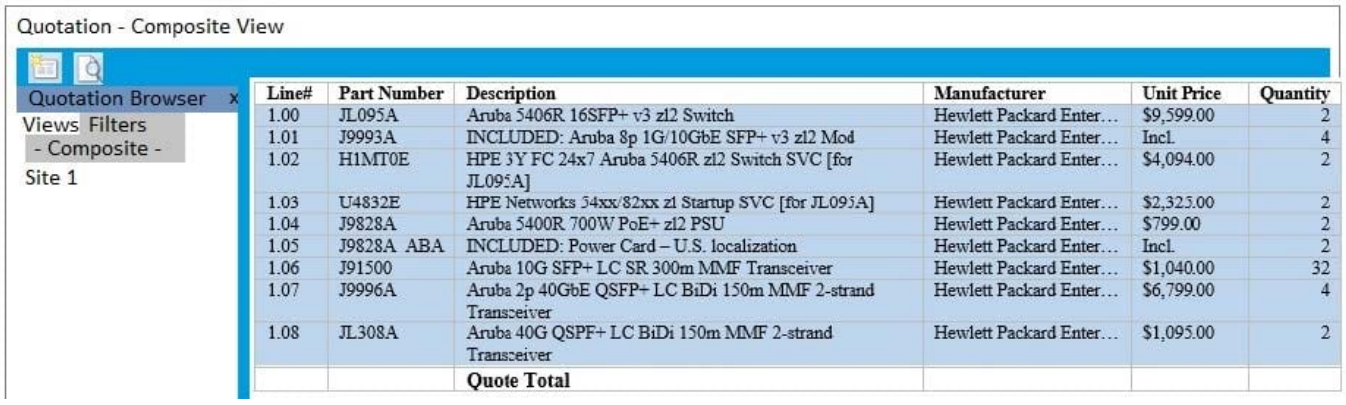

Quotation - Composite View

Quotation Browser x
Views Filters
- Composite -
Site 1

Line#	Part Number	Description	Manufacturer	Unit Price	Quantity
1.00	JL095A	Aruba 5406R 16SFP+ v3 zl2 Switch	Hewlett Packard Enter…	$9,599.00	2
1.01	J9993A	INCLUDED: Aruba 8p 1G/10GbE SFP+ v3 zl2 Mod	Hewlett Packard Enter…	Incl.	4
1.02	H1MT0E	HPE 3Y FC 24x7 Aruba 5406R zl2 Switch SVC [for JL095A]	Hewlett Packard Enter…	$4,094.00	2
1.03	U4832E	HPE Networks 54xx/82xx zl Startup SVC [for JL095A]	Hewlett Packard Enter…	$2,325.00	2
1.04	J9828A	Aruba 5400R 700W PoE+ zl2 PSU	Hewlett Packard Enter…	$799.00	2
1.05	J9828A ABA	INCLUDED: Power Card – U.S. localization	Hewlett Packard Enter…	Incl.	2
1.06	J91500	Aruba 10G SFP+ LC SR 300m MMF Transceiver	Hewlett Packard Enter…	$1,040.00	32
1.07	J9996A	Aruba 2p 40GbE QSFP+ LC BiDi 150m MMF 2-strand Transceiver	Hewlett Packard Enter…	$6,799.00	4
1.08	JL308A	Aruba 40G QSPF+ LC BiDi 150m MMF 2-strand Transceiver	Hewlett Packard Enter…	$1,095.00	2
2.00	JH234A	HPE X242 40G QSFP+ to QSFP+ 1m DAC Cable	Hewlett Packard Enter…	$419.00	2
		Quote Total			

B.

C.


Quotation - Composite View

Quotation Browser x
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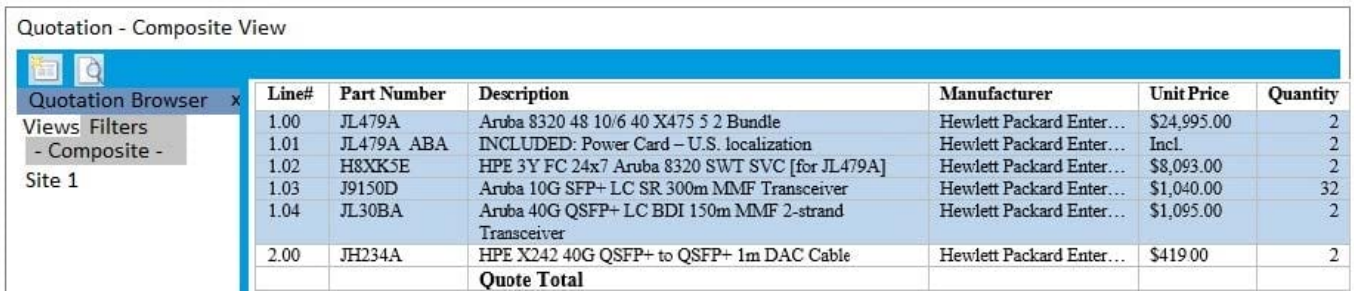
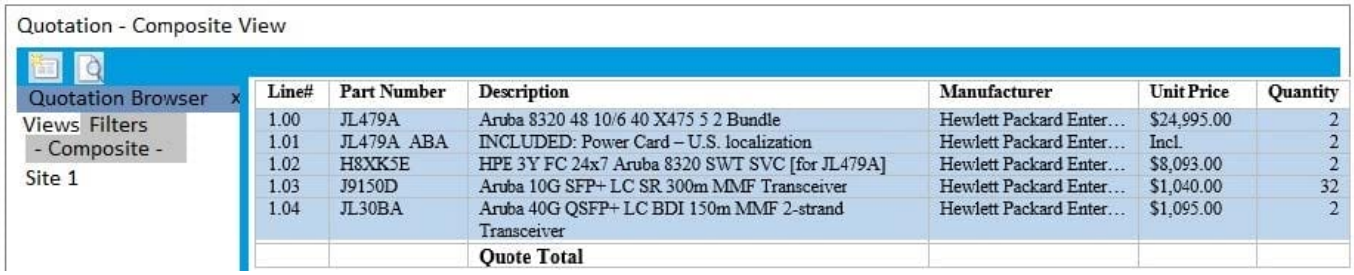

Quotation - Composite View

Quotation Browser x
Views Filters
- Composite -
Site 1

Line#	Part Number	Description	Manufacturer	Unit Price	Quantity
1.00	JL479A	Aruba 8320 48 10/6 40 X475 5 2 Bundle	Hewlett Packard Enter…	$24,995.00	2
1.01	JL479A ABA	INCLUDED: Power Card – U.S. localization	Hewlett Packard Enter…	Incl.	2
1.02	H8XK5E	HPE 3Y FC 24x7 Aruba 8320 SWT SVC [for JL479A]	Hewlett Packard Enter…	$8,093.00	2
1.03	J9150D	Aruba 10G SFP+ LC SR 300m MMF Transceiver	Hewlett Packard Enter…	$1,040.00	32
1.04	JL30BA	Aruba 40G QSFP+ LC BDI 150m MMF 2-strand Transceiver	Hewlett Packard Enter…	$1,095.00	2
2.00	JH234A	HPE X242 40G QSFP+ to QSFP+ 1m DAC Cable	Hewlett Packard Enter…	$419.00	2
		Quote Total			

D.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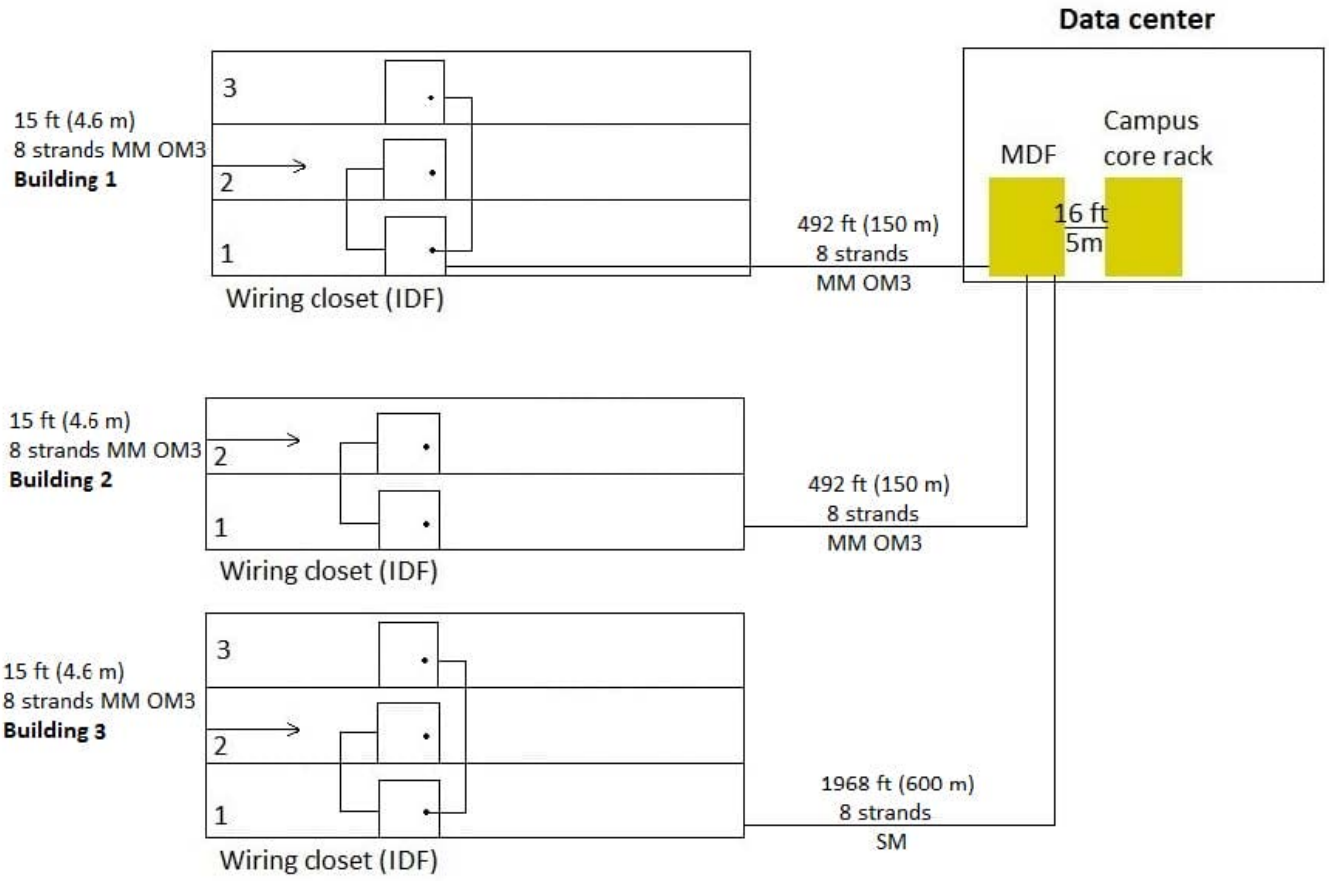
		Quote Total			

Correct Answer: B

QUESTION 2

Refer to the exhibit.



An architect needs to design the topology for a new wired network at a campus with three buildings. The exhibit above shows the cabling layout. The customer requires link redundancy at all layers, up to one switch-to-switch link can fail without an effect on client connectivity. The architect has determined that the closet of each floor should have three Aruba 2930M switches, and the core will use Aruba 5406 switches. The aggregation layer, if used, will use Aruba 3810M switches. However, the customer prefers the elimination of the aggregation layer and has asked the architect to advise the impact of the elimination of this layer.

Where would the elimination of the aggregation layer require rewriting?

A. All of the buildings

B. Building 1 and Building 2 only

C. Building 1 and Building 3 only

D. Building 3 only

Correct Answer: C

QUESTION 3

A writing closet needs to support 20 APs and 110 wired endpoints. It has four strands of OM3 fiber to the network core 150 feet (45 m) away. The customer wants the links to the network core to support at least 10GbE. The customer also requires no loss in connectivity for the switches in the closet, even with the loss of one link. The architect plans to recommend three 2930M 40G 8SR PoE+ switches, two 4-port SFP+ modules, and two SFP+ SR transceivers.

What should the architect change about the plan?

A. Add three 10GbE direct attach cables (DACs) or three stacking cables.

B. Add a stacking module for each switch and three stacking cables.

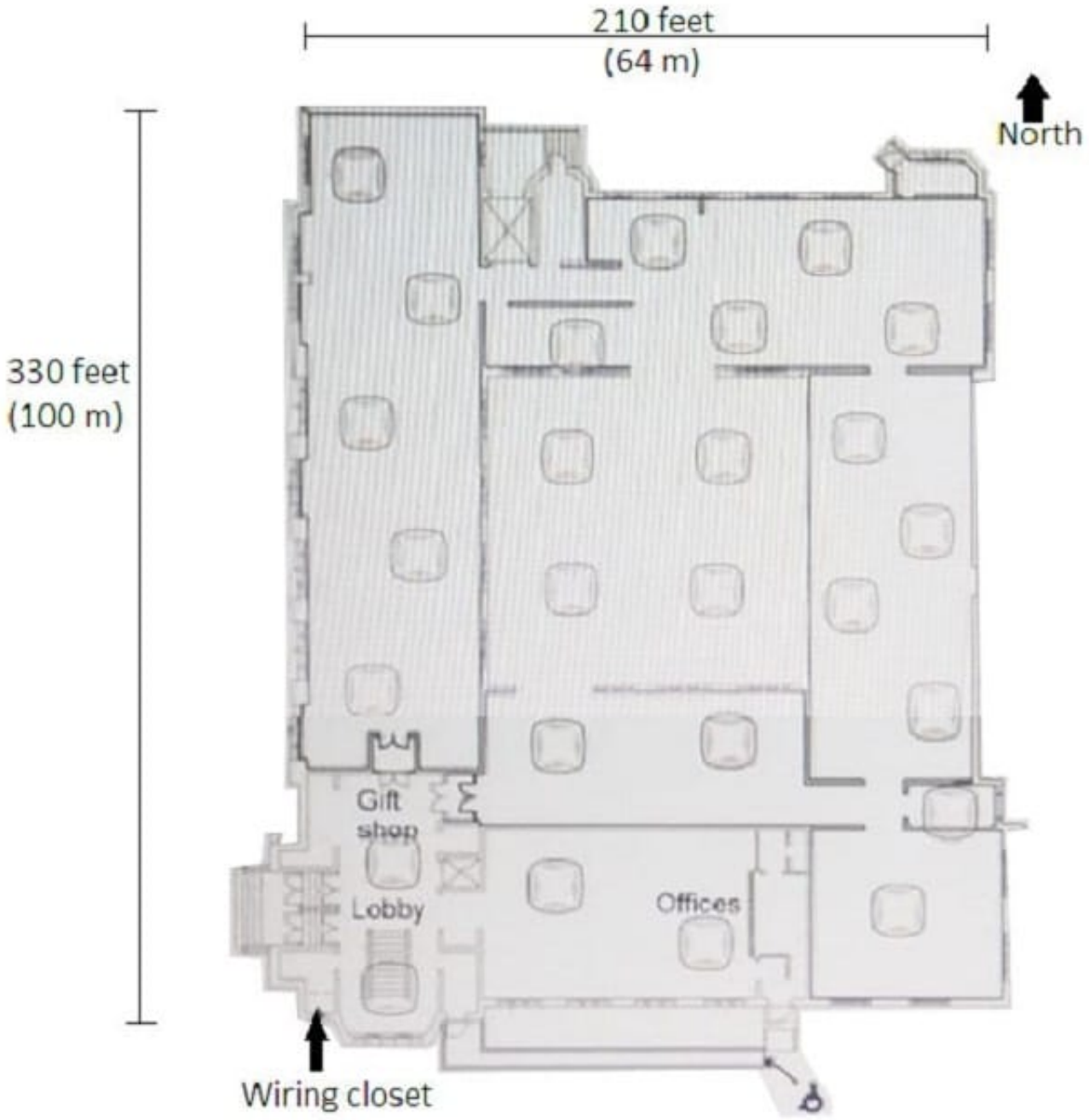
C. Change the two SFP+ SR transceivers to SFP+ LRM transceivers.

D. Add one 4-port SFP+ module and one SFP+ SR transceiver.

Correct Answer: A

QUESTION 4

Refer to the exhibit.



A museum wants to add full 802.11ac wireless coverage across the building, which is about 210 feet (64 m) by 330 feet (100m). The museum has 15-foot (4,6 m) ceilings and stone interior walls. The network needs to support up to 600 wireless guest devices. The exhibit also shows a preliminary plan for AP locations. The museum has eight Ethernet drops in the lobby and gift shop, but has otherwise not been wired.

What is one recommendation that the architect should make to ensure a successful deployment?

A. use of directional antennas to avoid lost signal

B. addition of a writing closet closer to the north side

C. use of at least CAT5 cable to connect to the APs

D. addition of about 10 APs to achieve adequate density

Correct Answer: C

QUESTION 5

A hospital needs a better way to track its inventory, including wireless medical devices that are moved

around the site a lot.

Which solution meets these needs?

A. Aruba asset tags and beacons

B. Aruba asset tags, APs, and Meridian

C. Aruba beacons, APs, and AirWave

D. Aruba beacons and Meridian

Correct Answer: A

QUESTION 6

A customer has phones used as wireless Voice over IP (VoIP) devices. Which is one implication for the design?

A. Plan policies for the phone role on MCs to give the phones a high QoS priority.

B. Ensure a -75 GHz signal in both the 2.4GHz band and the 5GHz band across the entire site.

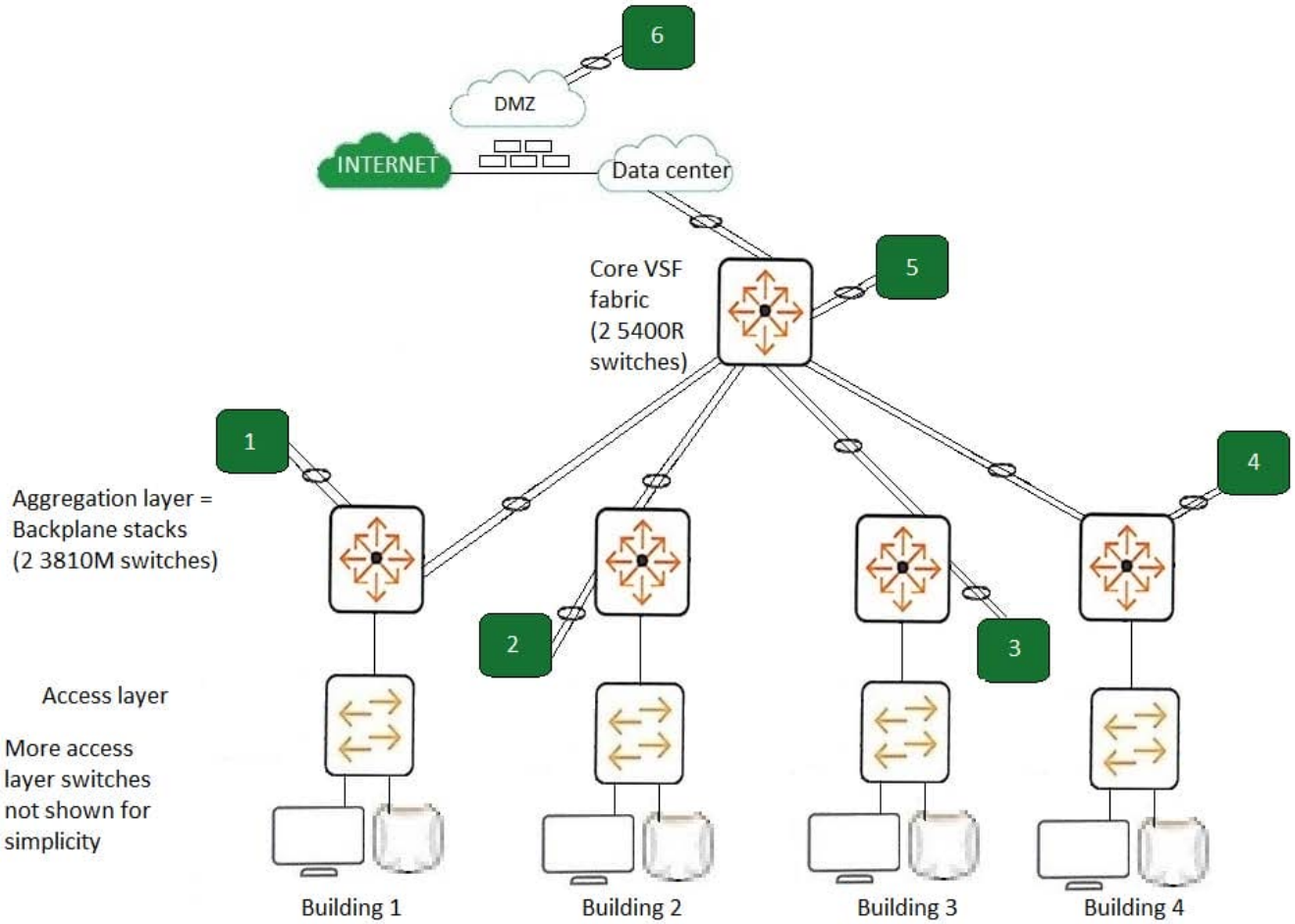
C. Ensure that APs connect on Smart Rate ports to support the high bandwidth demands of the phones.

D. Apply a bandwidth contract to the phone VLAN to limit broadcast and multicast traffic.

Correct Answer: C

QUESTION 7

Refer to the exhibit.



A company needs a new wireless solution for its large campus with multiple buildings. The campus has 8,000 users, and the company also has 1000 users who use VIA concurrently. The customer requires full redundancy for the Mobility Controllers (MC), including seamless roaming and stateful failover for the main site. Buildings are close enough together for users to roam between them. The exhibit shows the existing wired network. The architect plans to propose: 500 APs (100 each in Building 1 and 2, 200 each in Buildings 3 and 4). two 7030 MCs two 7220 MCs one MM appliance

The exhibit shows the existing wired network at the main site.

Where should the architect plan to connect the MCs? (Potential locations are numbered in the exhibit.)

A. two 7030 MCs at 6; two 7220 MCs at 5

B. one 7030 MC at 1 and one at 2; one 7220MC at 3 and one at 4

C. two 7030 MCs at 5; one 7220 MC at 3 and one at 4

D. all of the MCs at 6

Correct Answer: A

QUESTION 8

Refer to the exhibits.

Exhibit 1. Existing wiring plan:

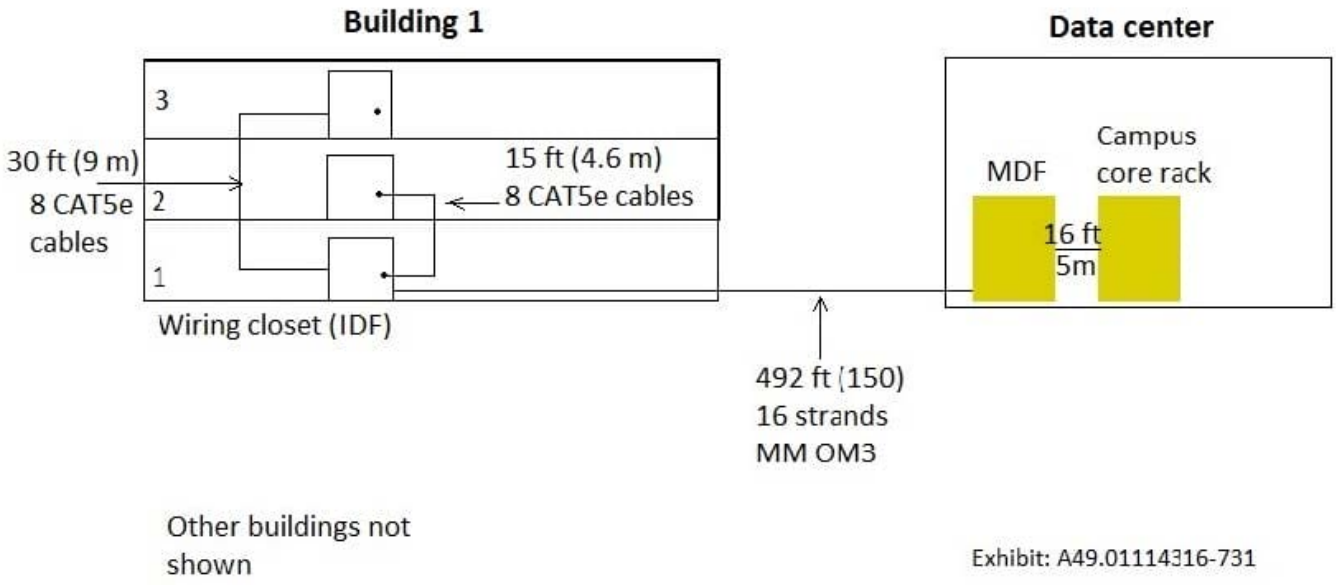
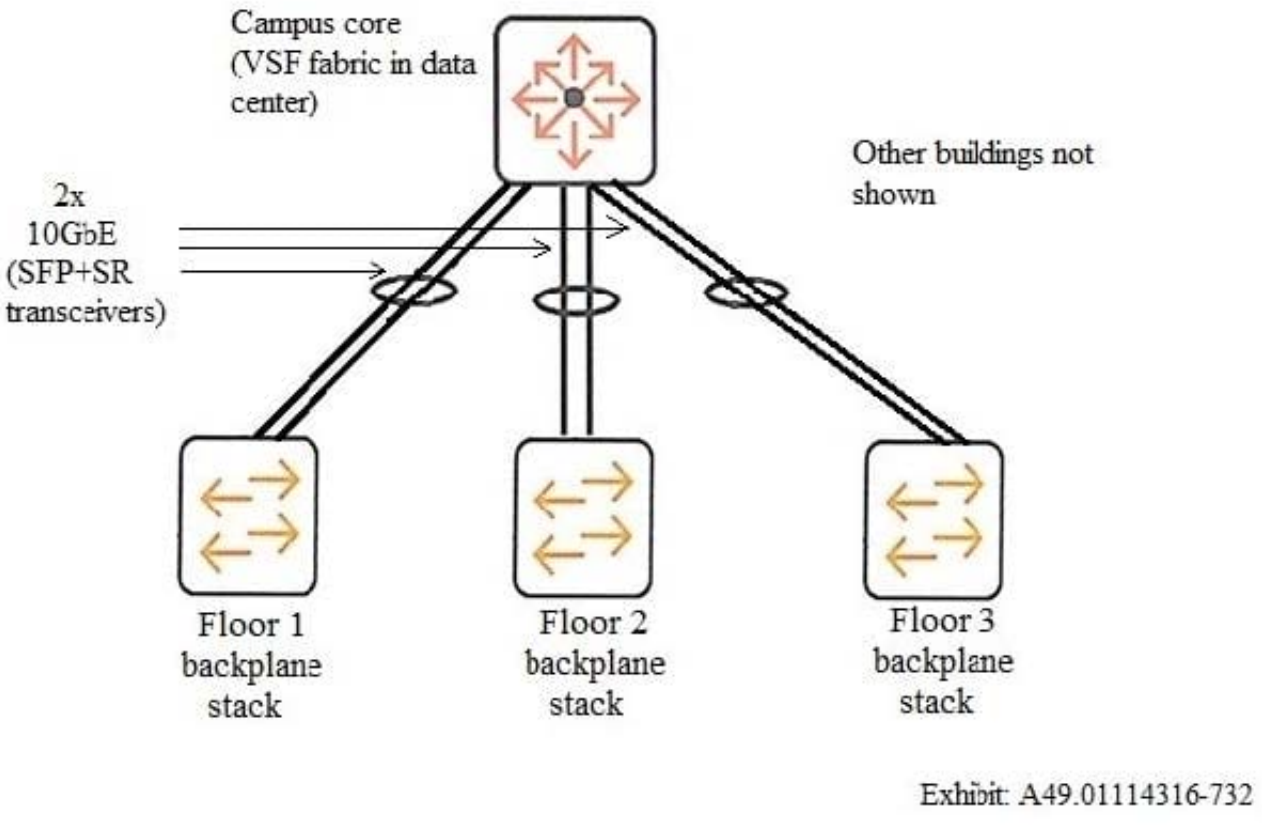


Exhibit 2. Current proposal:



A customer has a building that needs a switch upgrade. The customer would like at least 20Gbps for the uplink bandwidth out of each closet. The building writing plan is shown in Exhibit 1. The customer will not

consider any cable upgrades at this point. The current proposal is shown in Exhibit 2.

Which correction must architect make to the proposal to meet the customer requirements?

A. Change the SR transceivers for each link between the writing closet switches and the network core to LRM transceivers.

B. Add an aggregation layer, and connect writing closet switches to the aggregation layer on Smart Rate ports.

C. Add an aggregation layer, and connect writing closet switches to the aggregation layer with SFP+ SR transceivers.

D. Add a mode conditioning cable for each link between the writing closet switches and the network core.

Correct Answer: D

QUESTION 9

What is one requirement for ensuring that MCs can update their software without the need for a maintenance window?

A. MCs must be managed by an MM and connected to the same switch.

B. MCs must be in a cluster and connected in the same VLANs.

C. MCs must be directly connected on at least one port.

D. MCs must have AP licenses assigned to them in a dedicated local pool.

Correct Answer: D

QUESTION 10

A hospital needs an upgrade to 802.11ac for its wireless network. The wireless network supports: wireless medical devices medical staff voice communicators laptops in nurse stations medical staff tablets visitor and patient personal devices

All of these devices support both the 2.4GHz and 5GHz band. Assuming about a max throughput of 150 Mbps per AP, the hospital would like to support about 4 Mbps per client. The architect has used VisualRF to plan the AP placement on one of the floors, which the hospital expects will need to support about 800 wireless devices. The exhibits show heatmaps from this plan. The architect also plans to deploy APs in stairwells between floors.

How well does the plan meet the requirements?

A. The current AP placement fails to account for the lead-lined walls that are common in patient and exam rooms.

B. The current AP placement fails to provide adequate signal for the voice communicators in several areas.

C. The current AP placement meets coverage requirements, but does not meet capacity requirements.

D. The current AP placement meets the customer requirements in terms of coverage and capacity.

Correct Answer: D