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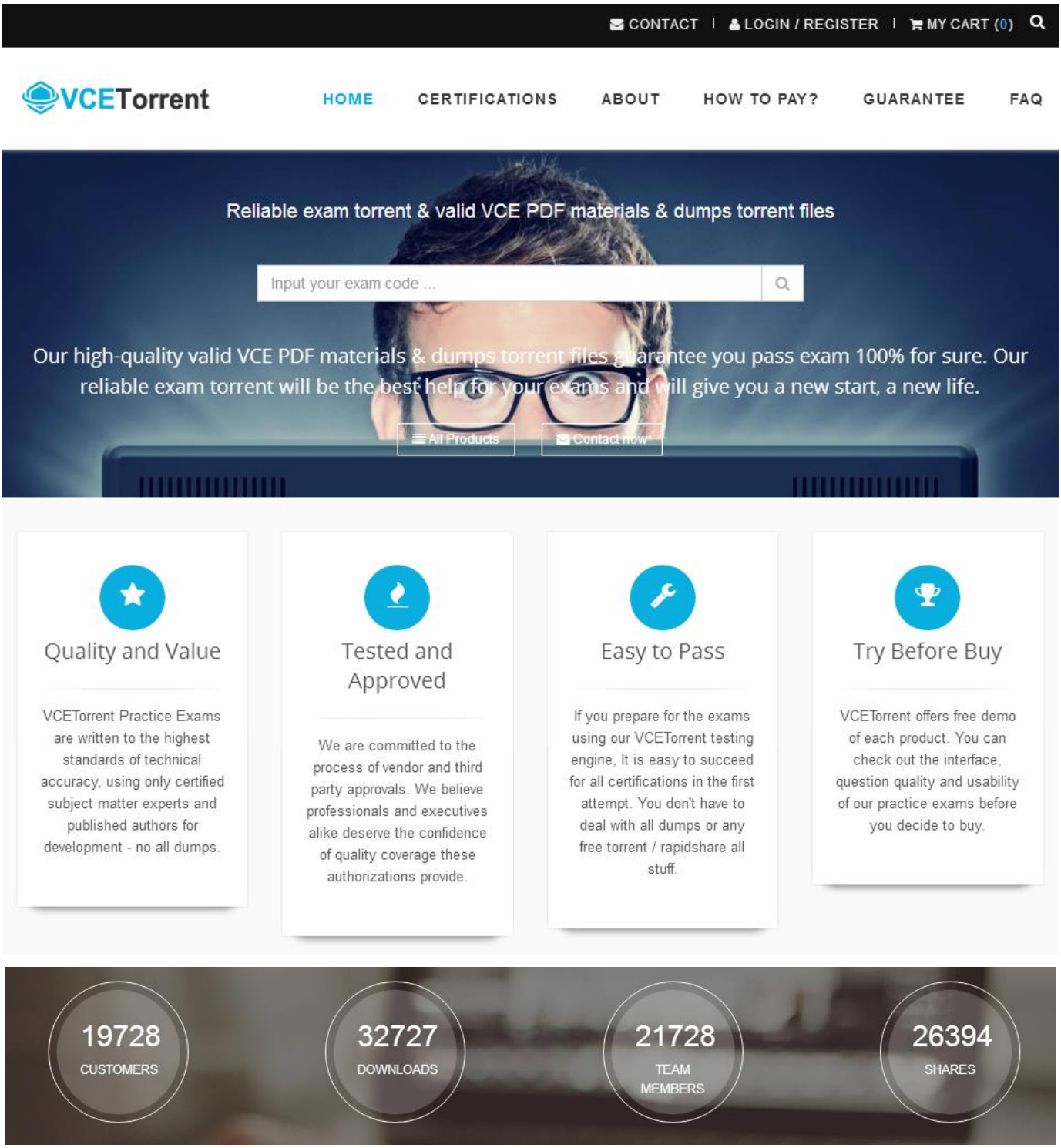

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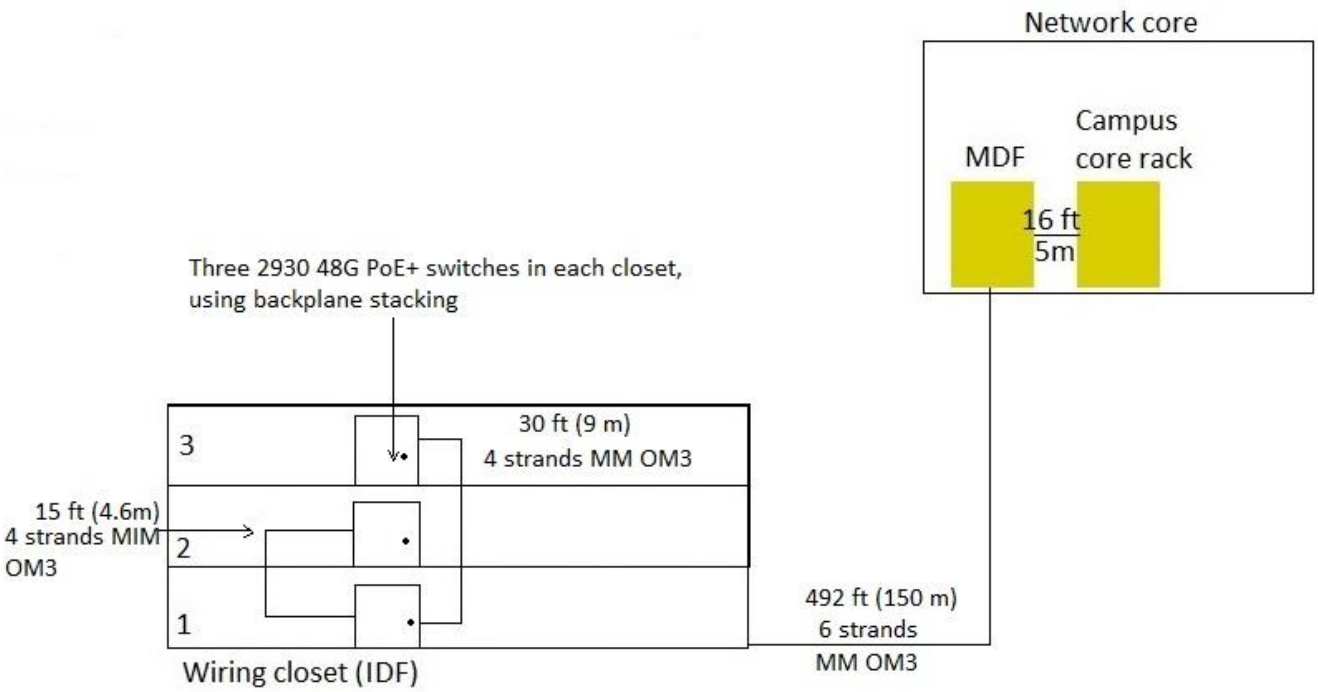
Exam : **HPE6-A49**

Title : Aruba Certified Design Expert 8 Written Exam

Vendor : HP

Version : DEMO

NO.1 Refer to the exhibit.



A customer needs a wired upgrade for a building on its main campus. The exhibit shows the switches that architect has selected for each closet and the existing cabling. The customer is not open to changing the cabling.

The customer requires link redundancy for the uplinks from each closet and for the links from the building to the core. In non link failure situations, the uplinks from each closet must support at least 20 Gbps, and the building as a whole must have at least 20 Gbps to the core in non link failure situations.

Which options for connecting the closets to the network core are valid? (Select two.)

A. Combine the nine switches on all three floors into a single switch stack with stacking cables in a ring topology. Connect two Floor 1 members to the network core with one fiber connection each.

B. Connect the switch stack on each floor directly to the network core on two fiber connections per floor.

Achieve this by patching the inter-floor fiber through the inter-building fiber.

C. Connect the Floor 2 switch stack to Floor 1 with two fiber connections. Do the same for Floor 3. Connect the Floor 1 switch stack to the network core with two fiber connections.

D. Combine the nine switches on all three floors into a single switch stack with the MM OM3 fiber cables in a ring topology. Connect two Floor 1 members to the network core with one fiber connection each.

E. Add two aggregation switches in the Floor 1 closet. Connect the switch stack for each closet to the aggregation switches on two fiber links each and the aggregation switches to the core on two fiber links.

Answer: A,E

NO.2 Refer to the exhibits.

Exhibit 1. Existing wiring plan:

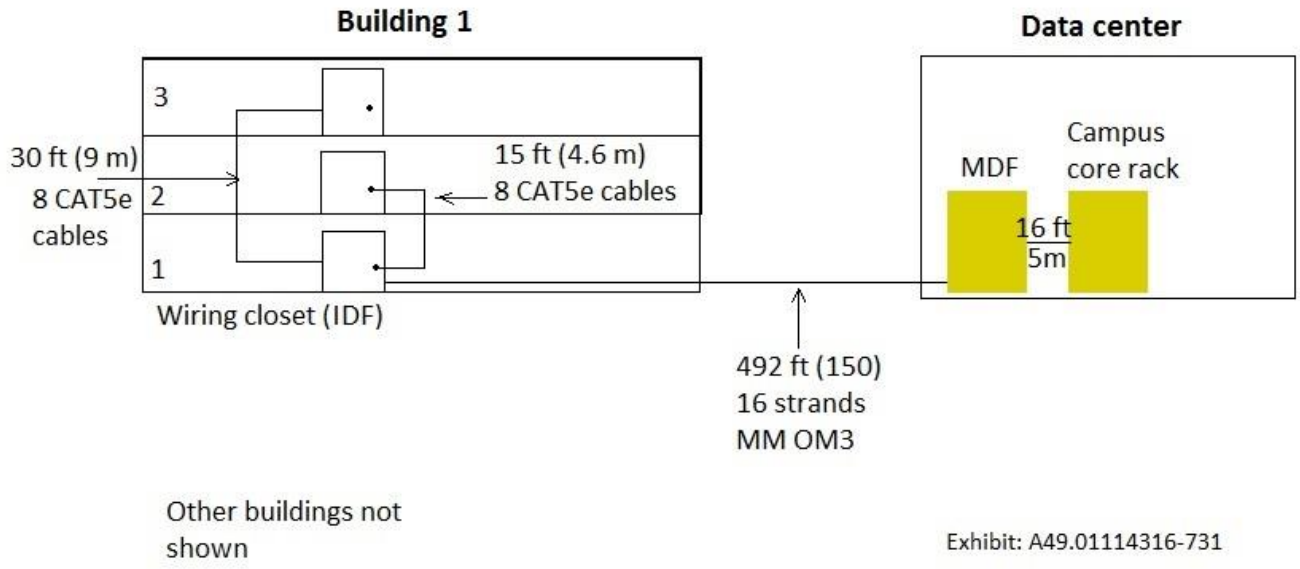
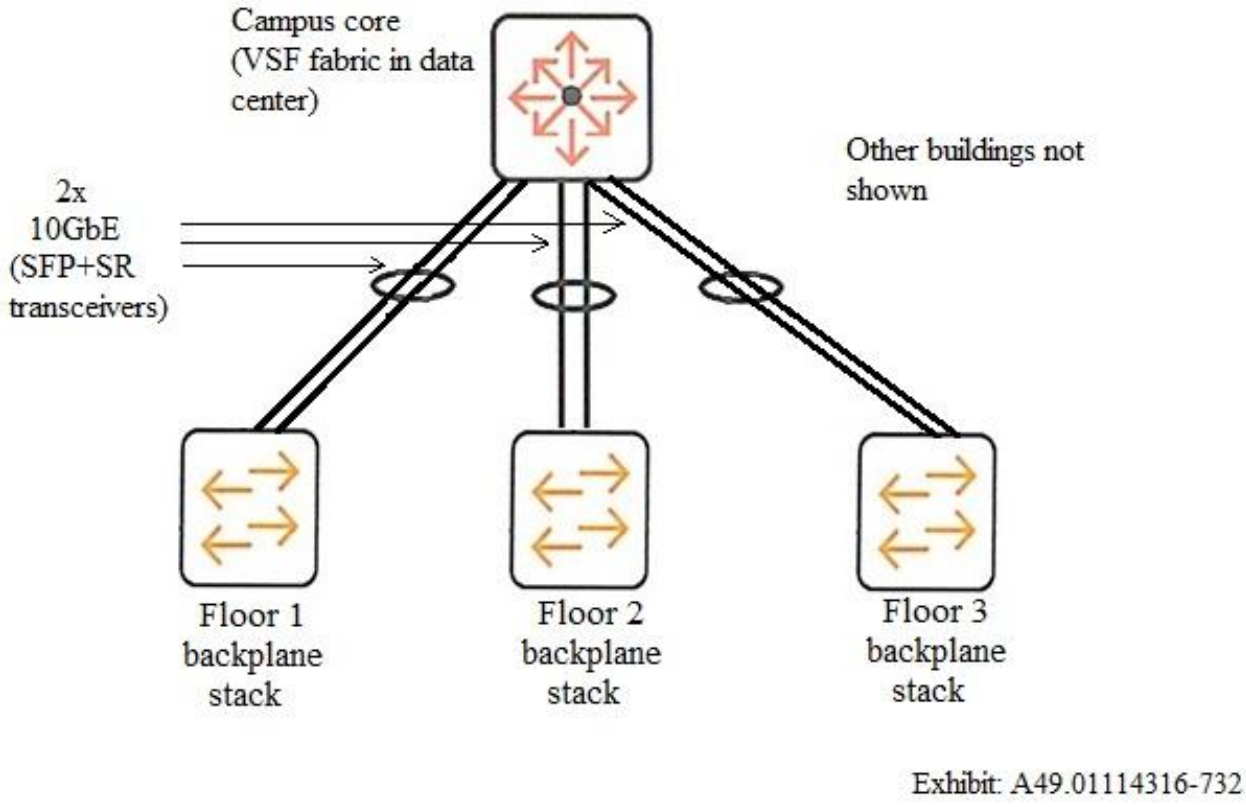


Exhibit 2. Current proposal:



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

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

SR transceivers.

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

Answer: B

NO.3 Case study

A customer needs a wireless network upgrade for 802.11ac and possibly an upgrade to the wired network. The customer requires dual-radio 802.11ac APs, each radio of which can support 4x4 MIMO at full feature set.

The customer has given architects this information about their wireless devices:

The architect also has collected information about the existing wired network.

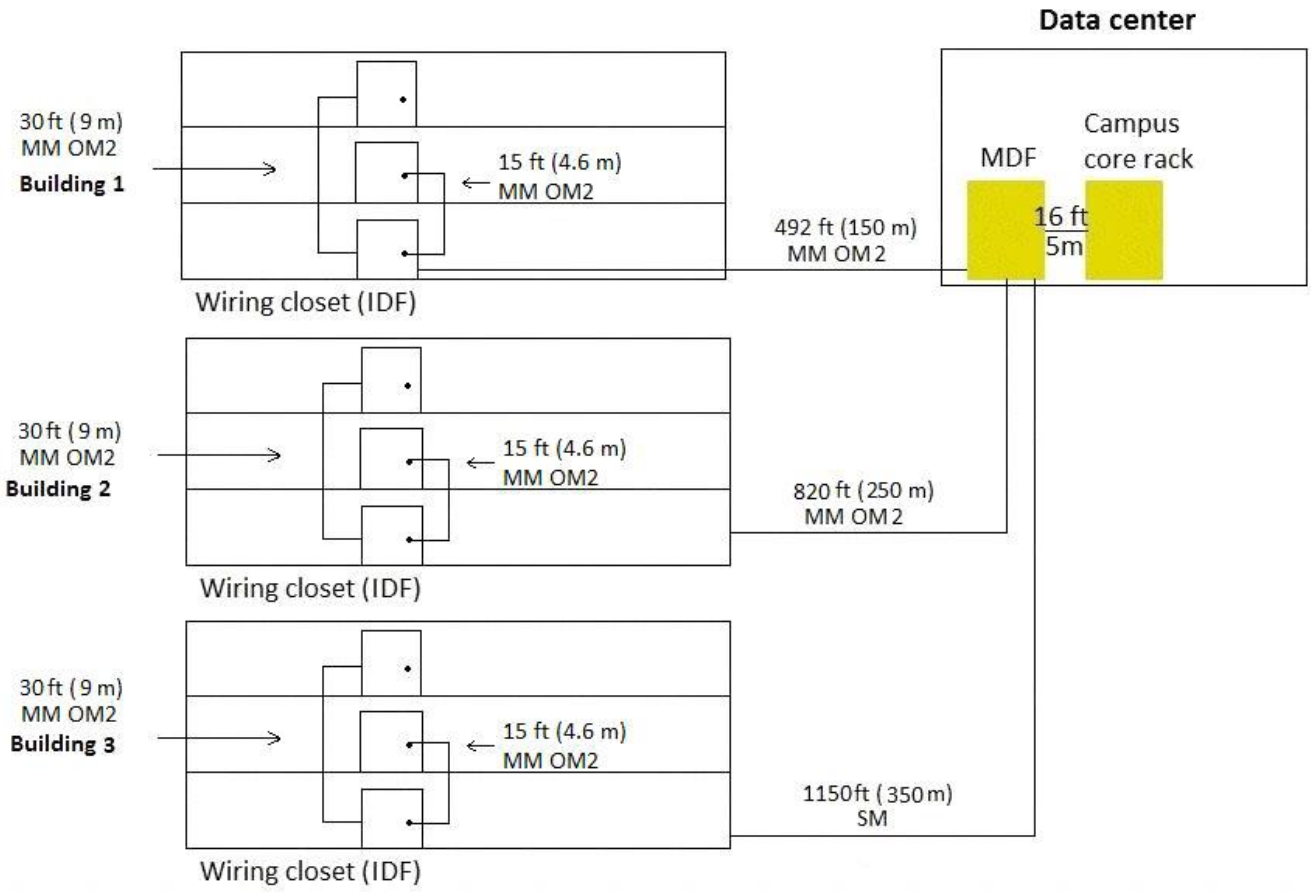
The existing access layer switches support these features:

* 10/100/1000 edge ports
* PoE (802.3af)
* 1GbE fiber uplinks

The existing aggregation switches support these features:

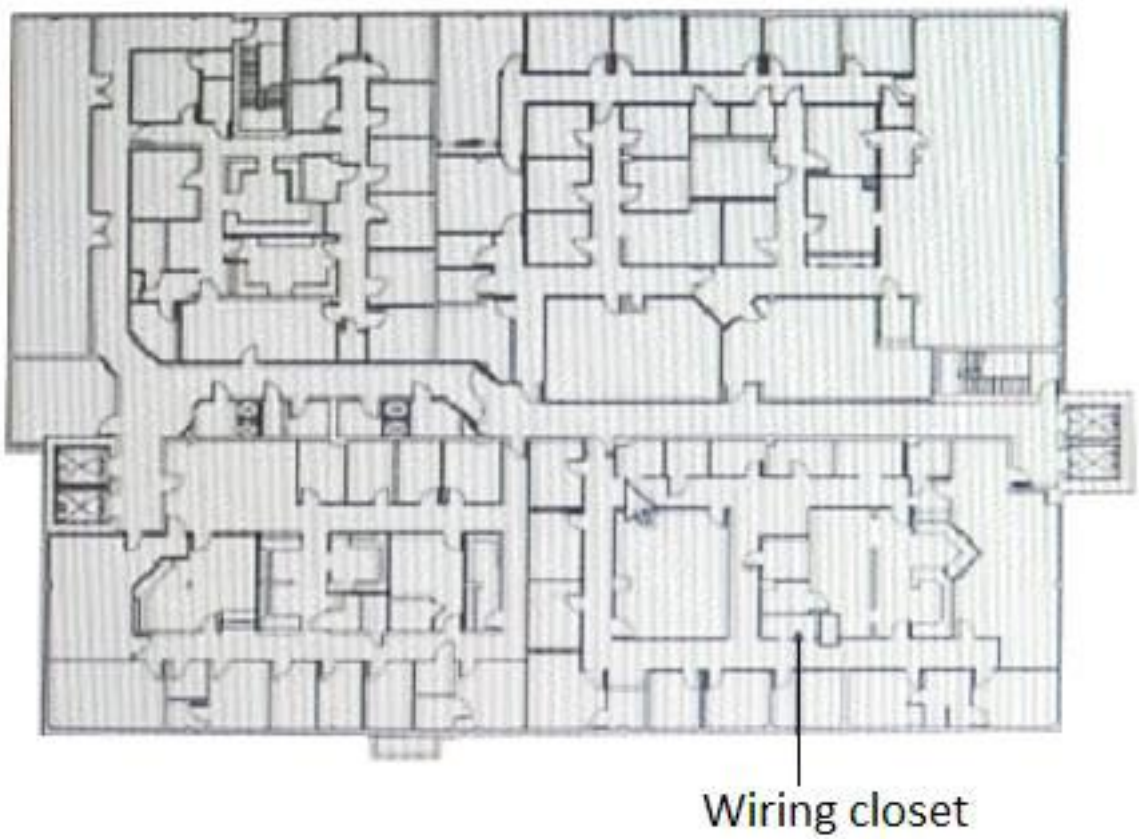
* 1/10GbE fiber ports
* ARP tables up to 62,000

The customer has provided this figure that shows the existing cabling between floors and between buildings:



Each floor is about 100 feet (30 m) by 140 feet (43 m) with a 10 foot (3 m) ceiling. Interior walls are drywall.

The layout for each floor is similar to that shown below. CAT5e cable is extended to all areas.



What is one piece of additional information architects should obtain from the customer before they design the wireless solution?

A. the power requirements for the security cameras

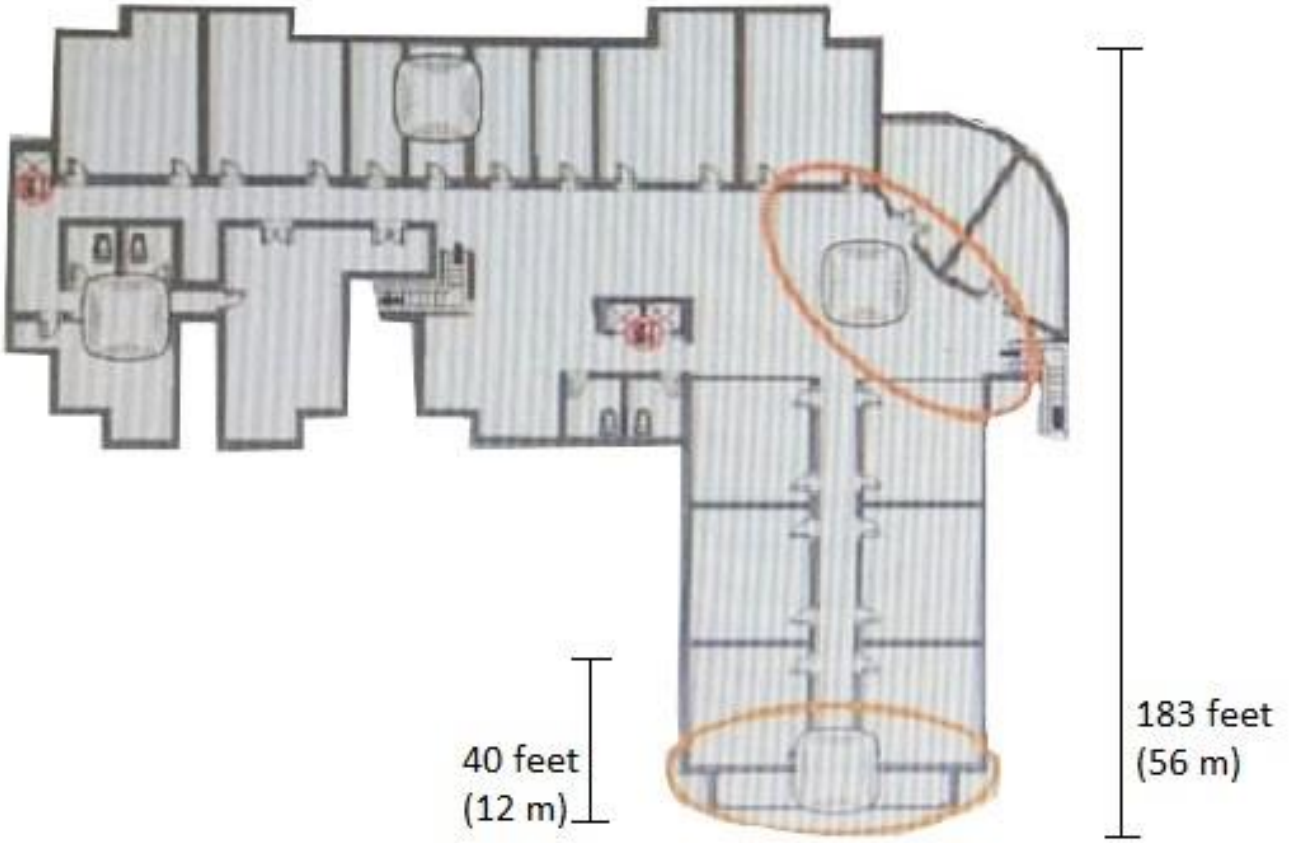
B. whether the IoT devices support MAC-Auth

C. whether the users sometimes connect their laptops with Ethernet

D. the number of concurrently used wireless devices per user

Answer: D

NO.4 Refer to the exhibit.



A casino and a retail space has an existing Aruba network with Aruba AP-335s. The customer wants to deploy Meridian and enable proximity-based campaigns. The exhibit shows a segment of the floor plan. When visitors enter the areas circled in the exhibit, they should receive a targeted notification about promotions and sales.
What should the architect explain to the customer about how to finish the solution?

A. This solution will require about 6 battery-powered beacons, which can be managed by the APs.

B. The customer must remember to purchase a Meridian Maps license with the Campaigns license.

C. The customer can enable the built-in BLE capability in the AP-335 radio to meet these requirements.

D. While these APs cannot act as beacons, they have a USB slot that accepts USB beacons.

Answer: A

NO.5 Refer to the exhibit.


Quotation - Composite View

Quotation Browser

Views Filters

- Composite -

Site 1

Line#	Part Number	Description	Manufacturer	Unit Price	Quantity	Total	Price List
1.00	JY680A	Aruba AP-303H (US) Unified AP	Hewlett Packard Enter..	$495.00	200	$99,000.00	USA Price List (USD)
1.01	H6PQ1E	Aruba 1Y FC NBD Exch AP-303H SVC [for JY680A]	Hewlett Packard Enter...	$22.00	200	$4,400.00	USA Price List (USD)
		Quote Total				**$103,400**	

A hotel needs a wireless solution. The architect has selected 303H Series, controlled by a local MC, as the best choice. The hotel plans to have the APs installed in the existing wall boxes which have one Ethernet port each.
The architect has created to BOM shown in the exhibit. (Note that this portion of the BOM does not include the MC, which is not part of this question.) Which additional clarification should the architect

seek to determine whether this BOM fully meets the customer needs?

A. whether the hotel has CAT5e patch cables long enough to reach the boxes

B. whether the hotel already has a PoE or PoE+ source

C. whether directional or omnidirectional external antennas work better for the APs

D. whether the hotel wants to deploy the APs as RAPs or CAPs

Answer: B

NO.6 A customer requires new MCs for a large multi-site network with about 600 AP-345s and 30,000 wireless clients. The customer requires redundancy for the MCs with each MC being able to handle the full load in a failover situation. The network should be able to sustain the loss of a controller with stateful failover within seconds. It should be able to undergo software upgrades without downtime.

The architect has recommended two 7240XM MCs. The customer points out that 7220 MCs can support enough APs and wonders why the architect recommended the 7240XMs.

What should the architect explain?

A. The 7240XMs MCs are required to support the large number of wireless clients in this network.

B. The 7240XMs MCs can support full CPSec tunnels with this number of APs, while the 7220 MCs cannot.

C. The 7240XMs MCs support 40GbE ports, which are desirable for future proofing.

D. The 7240XMs MCs have more advanced clustering and availability capabilities than the 7220s MCs.

Answer: A