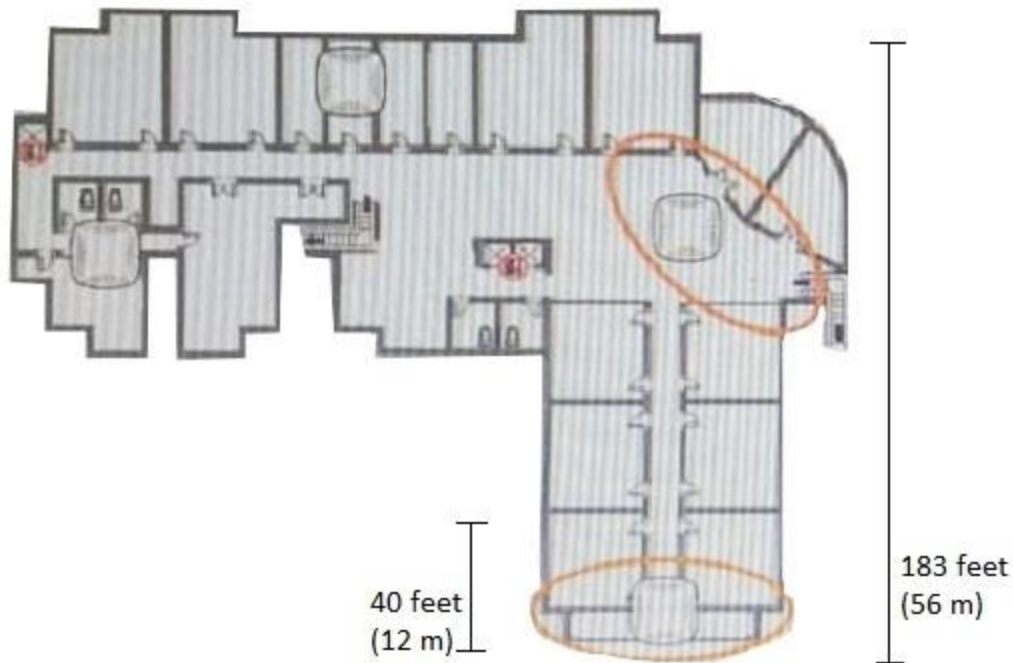**Vendor:** HP

Exam Code: HPE6-A49

Exam Name: Aruba Certified Design Expert Written Exam

Version: DEMO

QUESTION 1
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.
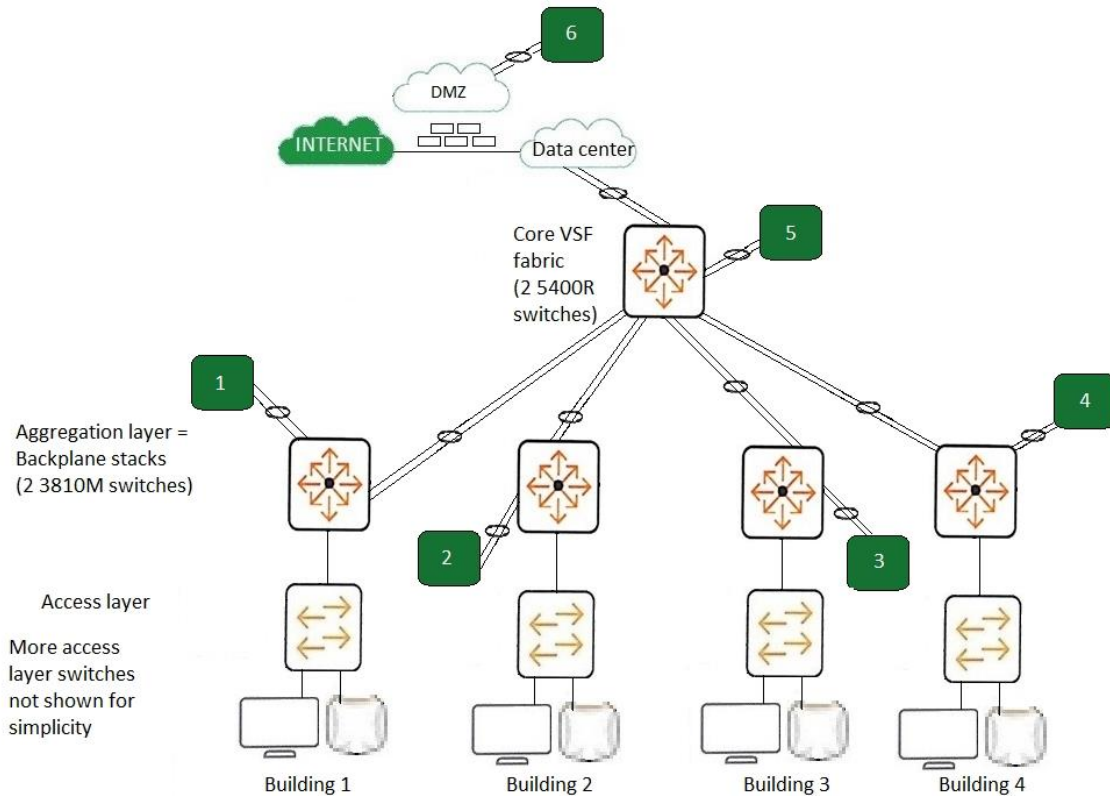What should the architect explain to the customer about how to finish the solution?

A. This solution will require about 6 battery-powered beacons, which can be managed by the APs.
B. While these APs cannot act as beacons, they have a USB slot that accepts USB beacons.
C. The customer can enable the built-in BLE capability in the AP-335 radio to meet these requirements.
D. The customer must remember to purchase a Meridian Maps license with the Campaigns license.

Answer: A

QUESTION 2
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

Answer: A

QUESTION 3
A hospital needs an upgrade to 802.11ac for its wireless network, which needs to provide complete coverage. The hospital has a concrete exterior and uses drywalls for all of the interior

walls with a few exceptions as mandated for safety. The building has 10 foot (3m) ceilings. The legacy APs were deployed in the hallway, but the customer is open to deploying APs in any room such as reception areas, patient rooms, operating rooms, treatment rooms, and lounges.
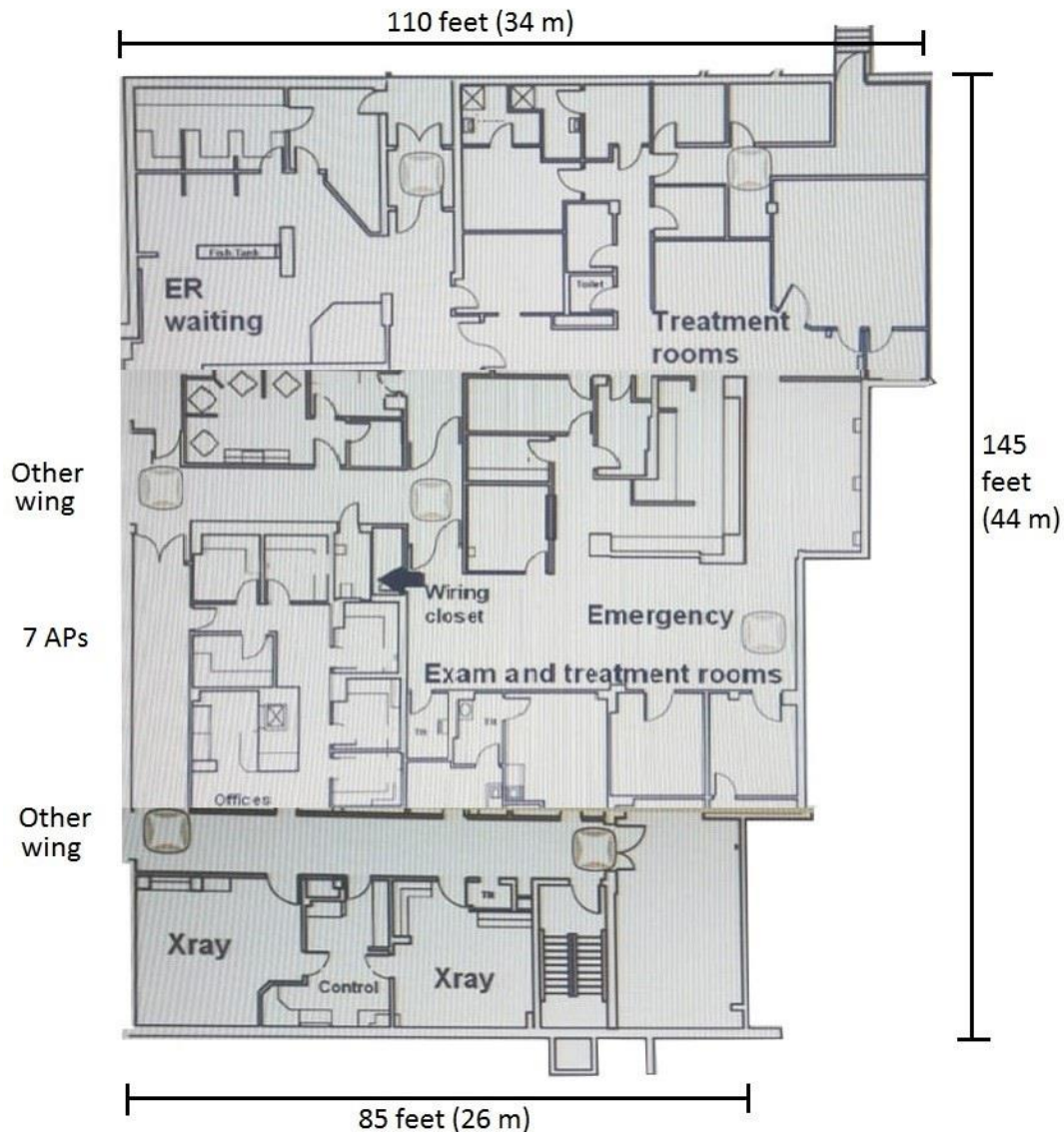
The wireless network must support wireless medical devices, voice communicators for medical staff, laptops in nurse stations, medical staff tablets, and visitor and patient personal devices. All of these devices support both the 2.4GHz and 5GHz band.

The exhibits below show one wing of one floor of the hospital. This wing is about 14,000 square feet (1300 sq. m). This area has up to:
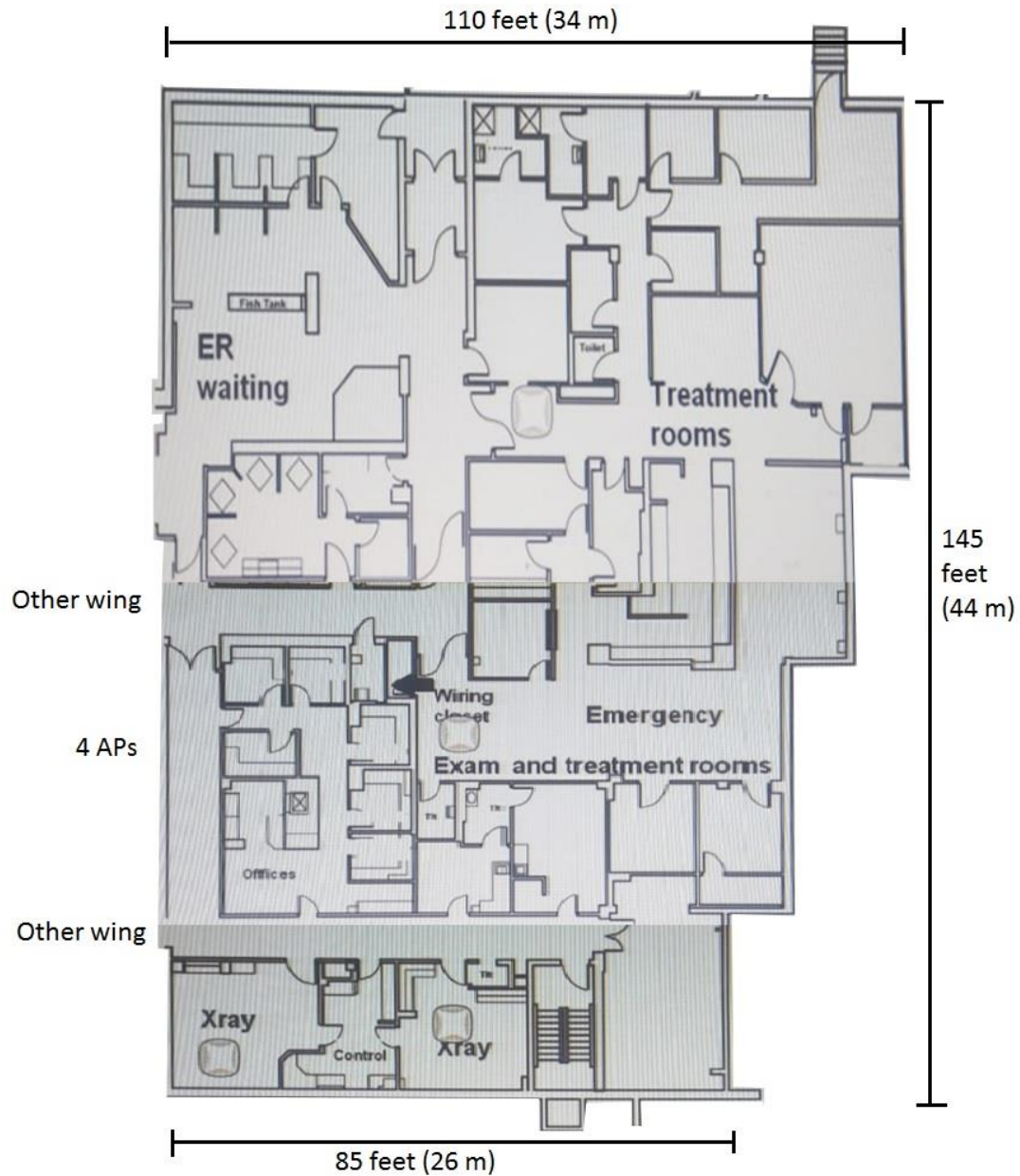
```
- 40 concurrent patients and visitors, who might have up to two devices
- 40 concurrent staff members, who might have up to three devices
- About 100 medical and other types of wireless devices
```

Several of these wireless medical devices are in the X-ray and X-ray control rooms. The architect has already planned to place APs in stairwells on another floor. Which AP plan for this wing of this floor meets the customer needs?
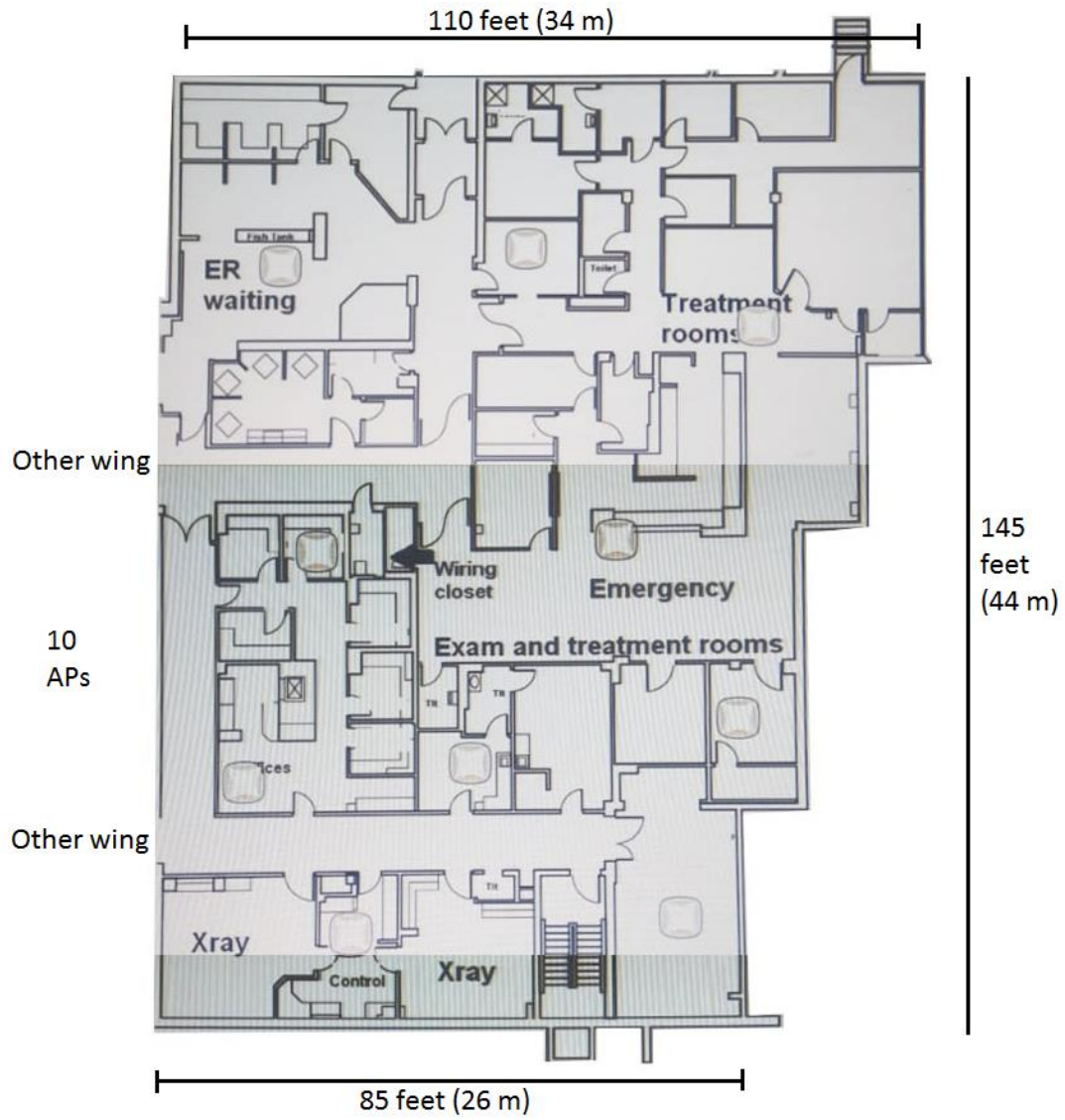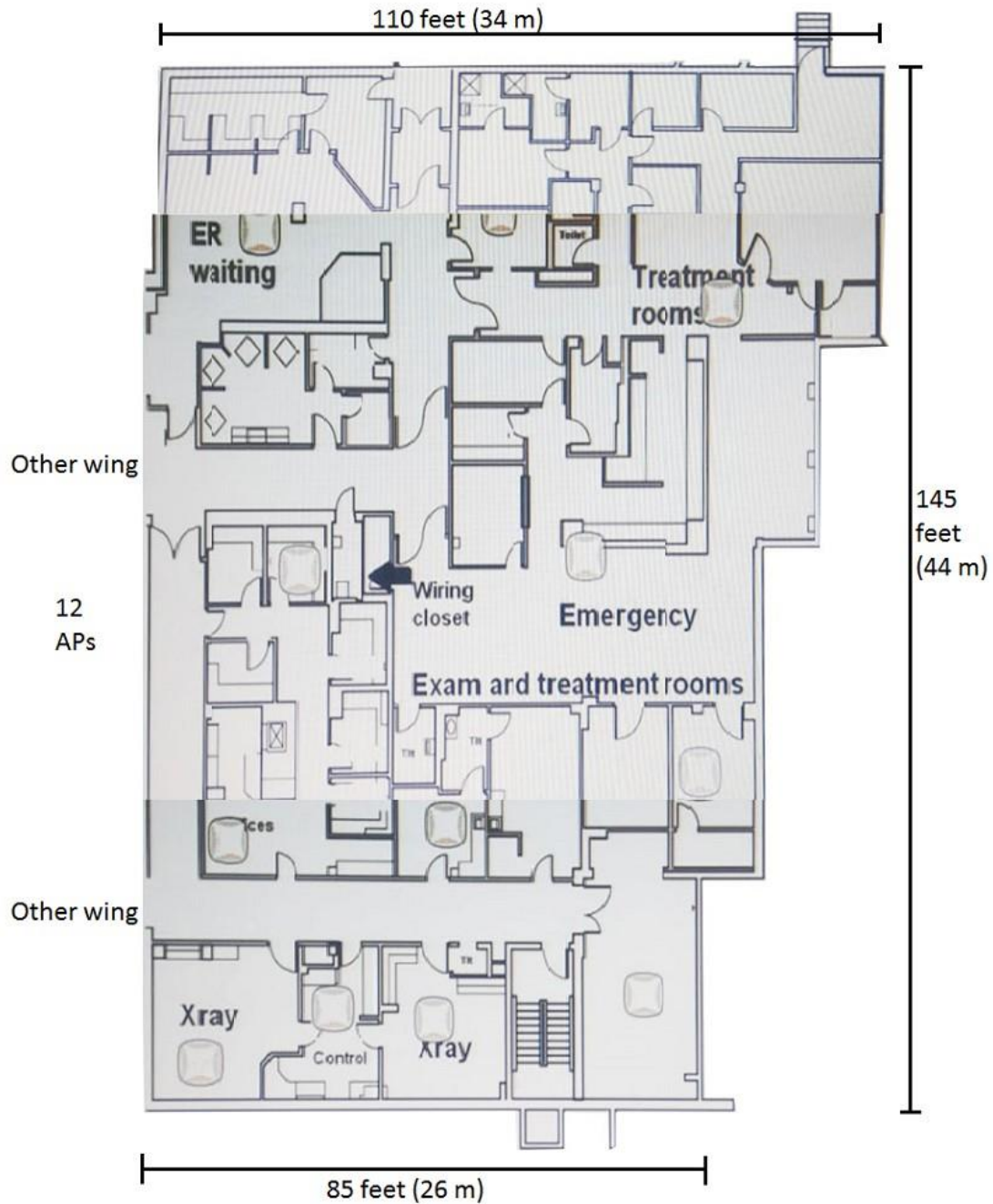
A.

B.

110 feet (34 m)

ER waiting

Treatment rooms

145 feet (44 m)

Other wing

4 APs

Wiring closet

Emergency

Exam and treatment rooms

Offices

Other wing

Xray

Control

Xray

85 feet (26 m)

C.

110 feet (34 m)

ER
waiting

Treatment
rooms

145
feet
(44 m)

Other wing

Wiring
closet

Emergency

10
APs

Exam and treatment rooms

Other wing
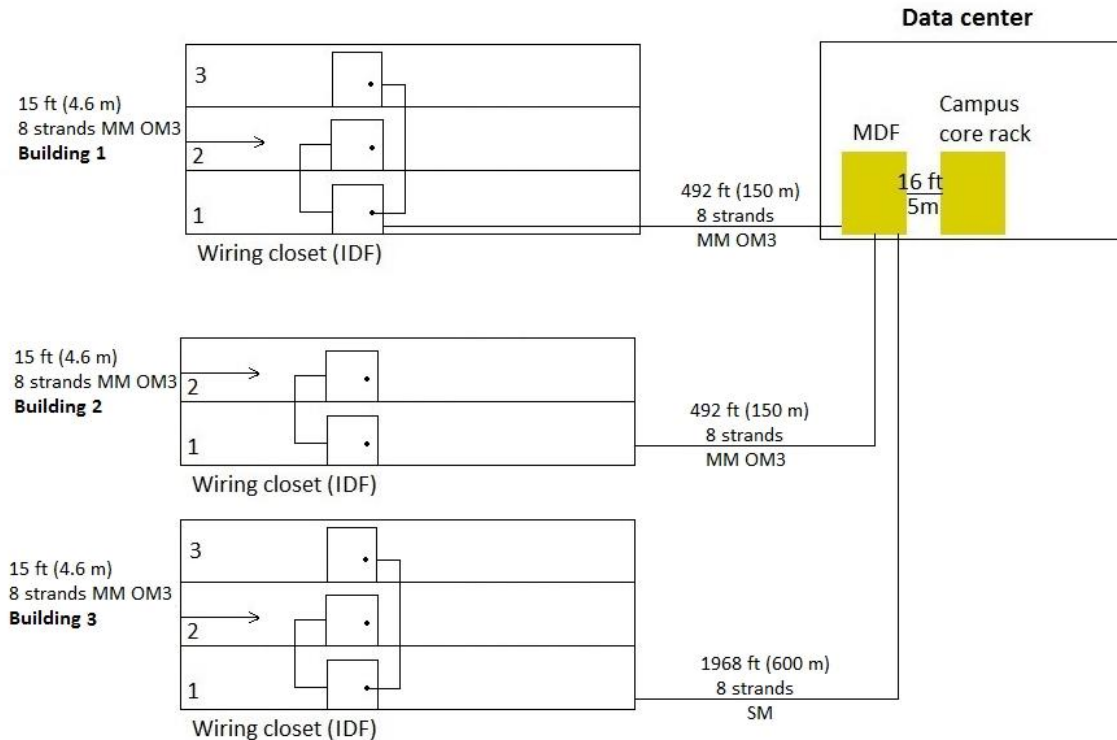
Xray

Control

Xray

85 feet (26 m)

D.

Answer: D

QUESTION 4
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

Answer: C

QUESTION 5
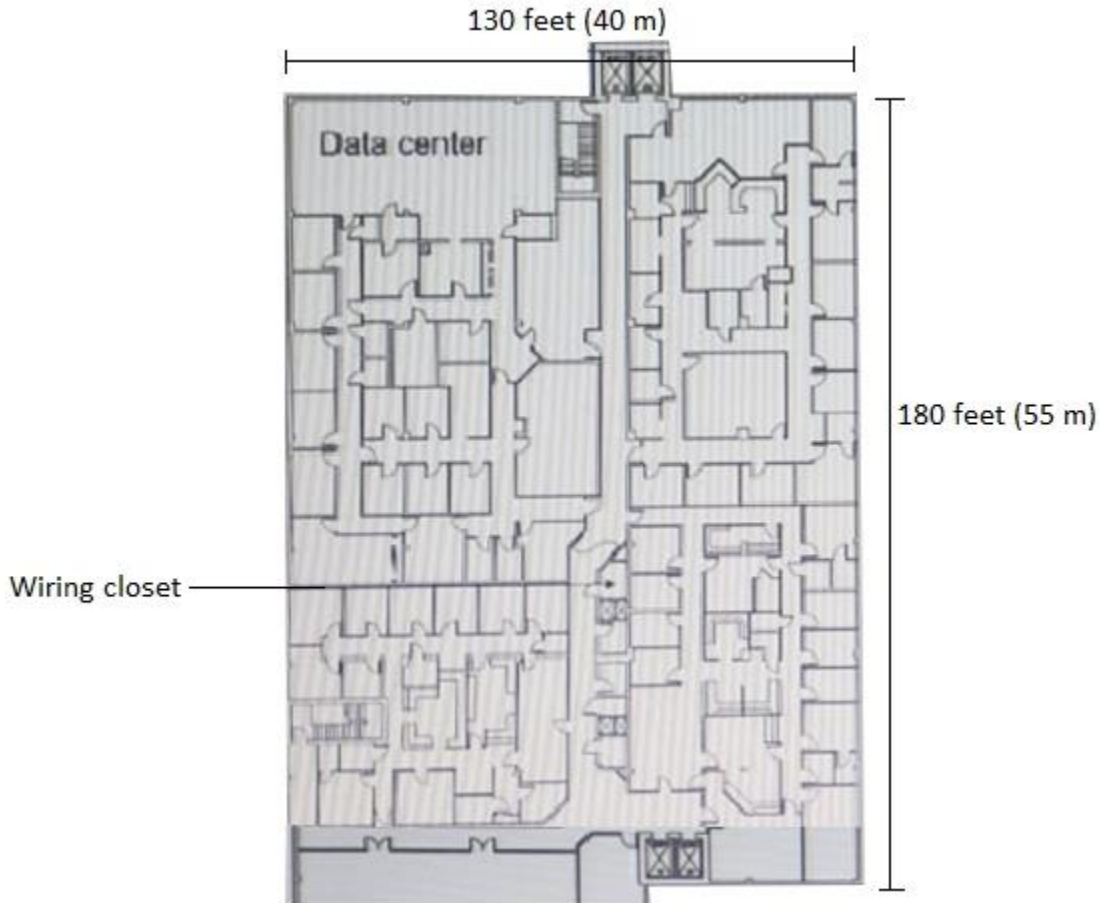A customer has Aruba network infrastructure devices that could be managed by either Aruba Central or Aruba AirWave.

Which customer characteristic should point the architect toward an AirWave recommendation as opposed to a Central recommendation?

A. desire to lease managed services on an ongoing basis
B. small IT staff and preference for cloud solutions
C. policies that network management occurs on premises
D. need to support Zero Touch Provisioning (ZTP)

Answer: C

QUESTION 6
Refer to the exhibit.

The customer requires a solution for the writing closet shown in the exhibit. The closet serves the entire floor, which is wired for CAT5e cable. The closet has four CAT5e cables to the data center 110 feet (34 m) away.
The switch or switches in this closet will need to support 100 wired endpoints and 16 AP-345s.
The switch or switches must connect to the network core, Aruba 5406R switches, in the data center on uplinks that provide at least 20 Gbps bandwidth total.
What is one benefit of an Aruba solution for meeting these requirements?

A. AOS-Switches can meet the uplink bandwidth needs with an extensive array of choices for transceivers.
B. Aruba PoE+ ports can provide more than 30W of power even to APs at the fat end of the floor.
C. Aruba Smart Rate ports enable switches to achieve the required uplink speeds without expensive re- cabling.
D. Aruba conditioning mode cables enable 10GbE SFP+ of 40GbE QSFP+ connections on copper cabling.

Answer: B

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