PURCHASING SECTION
13450 – 104 Avenue, Surrey BC V3T 1V8
Tel: 604-590-7274
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ADDENDUM #3

REQUEST FOR QUOTATIONS (RFQ) NO.:	**1220-040-2018-026**
TITLE:	**CONSTRUCTION SERVICES RENOVATIONS, SURREY RCMP DISTRICTS 2 & 3**
ADDENDUM ISSUE DATE:	**August 3, 2018**
REVISED CLOSING DATE:	**prefer to receive Quotations on or before: August 10, 2018**

INFORMATION FOR CONTRACTORS

This Addendum is issued to provide additional information to the RFQ for the above named project, to the extent referenced and shall become a part thereof. No consideration will be allowed for extras due to the Contractor not being familiar with this Addendum. This Addendum No. 3 contains twelve (12) pages in total.

REVISED CLOSING DATE

The City would prefer to receive Quotations on or before **Friday, August 10, 2018**. The City's office hours are 8:30 a.m. to 4:00 p.m., Monday to Friday, except statutory holidays.

LIST OF SEPARATE PRICES:

Add the following Separate Price which forms part of this RFQ, upon the acceptance. The Separate Prices are an addition or a deduction to the Total Quotation Price and do not include GST. DO NOT state a revised Total Quotation Price.

Description of Separate Price Items	Addition	Deduction
SP-4. RCMP District 2: Separate Price for the bylaws IT package: rack, CCTV, access control, and intrusion alarm system:	$[ ]	$[ ]

QUESTIONS AND ANSWERS:

DISTRICT 3:

Q1: You have requested a separate price for removal and replacement of existing floors tiles but you have not provided a spec for the tiles.

A1: Allow for standard 10x10 ceramic tiles for high traffic area.

Q2: Can you provide contact details for the controls contractor (as per addendum 2).

A2: District 3 (Newton) has stand-alone controls. This will be provided to the successful Contractor. Any questions are to be submitted to Purchasing@surrey.ca.

Q3: My drywall contractor has asked why we need the additional supports for ceiling as per S1 if he has to provide an engineers letter for the ceiling.

A3: The framing details were included as the guidance and minimum requirement for the gravity and seismic support of the ceiling but the final steel stud framing still need to be designed and responsible by the specialty engineer of the supplier, as per the requirement specified in General Note No. 1 of Drawing S1.

Q4: Please provide confirmation of hoarding height floor to dec height is 6650.

A4: Hoarding to match the height of adjacent existing wall, +/- 6650mm.

Q5: Please confirm that the speakers are to be same as district 2 counters.

A5: The same speakers for D3 and D2 used for the D1/D2 projects will be acceptable.

Q6: On drawing E202 under power general notes ref A you have mentioned no penetrations through Bylaws office please confirm which area this is referring to.

A6: The wall in question is the demising wall between the City of Surrey space and the RCMP space. As we will require some wiring/conduit pathways to penetrate horizontally through this wall, proper fire sealing will be required.

Q7: On the previous phase we had installed 50mm conduit for security cameras but no mention of this in this phase please clarify.

A7: Current drawing calls for 33mm conduit from front counter to LAN room for security and camera cabling. Details provided to electrical engineer specified security and camera data cabling must be in conduit end to end with maximum 50% fill. 50mm conduit is a better option to ensure conduit not over-filled.

Q8: Can you also confirm the distance from new counter to LAN room.

A8: Approximate horizontal distance between front counter and existing RCMP LAN room is 200'.

Q9: Please see attached level 1 ballistic panels for your approval.

A9: Specifications sheets provided for ballistic panels are acceptable. Installation of the product must be done in accordance with the manufacturer specifications. Refer to attached approved level 1 ballistic panels.

DISTRICT 2:

Q10: Can you provide contact details for the controls contractor (as per addendum 2)

A10: District 2 (Guildford) controls contractor is ESC Automation.

Q11: Please confirm that the speakers are to be same as district 2 counters.

A11: The same speakers for D3 and D2 used for the D1/D2 projects will be acceptable.

Q12: On the previous phase we had installed 50mm conduit for security cameras but no mention of this in this phase please clarify.

A12: On the RCMP side, only a single camera is being relocated. Existing conduit to front counter can be used, only require conduit from front counter to new camera location. The City IT can confirm if conduit is required for the security equipment within the new space.

Q13: Can you also confirm the distance from new counter to LAN room.

A13: Approximate horizontal distance between front counter and new City of Surrey LAN closet is 40'. Approximate horizontal distance between City of Surrey LAN closet and RCMP LAN room is 60'.

Q14: Please see attached level 1 ballistic panels for your approval.

A14: Specification sheets provided for ballistic panels are acceptable. Installation of the product must be done in accordance with the manufacturer specifications. Refer to attached approved level 1 ballistic panels.

Q15: Please confirm height of existing wall i.e. which are getting removed also the existing walls which are getting updated ref W4 and new wall W1, W3.

A15: +/- 3050mm.

Q16: Can you let me know who is the roofing contractor is who installed the roof and if it is still under warranty.

A16: The roof for District 2 RCMP is from 2005 and came with a 5 year warranty.

The roofing contractor details
Chilliwack Roofing
44745 - A Yale Road W.,
Chilliwack, B.C., 72R 4H3
604-792-1479

Q17: Do you require the contactor to install data and receptacles to the new furniture please clarify.

A17: Yes, Contractor to provide data, phone and power to new furniture location and provide connection to furniture whip.

Q18: At meeting we were informed that you will be sending an addendum for security and data, is this still coming?

A18: Remove any reference to anything IT, access control, and security related on the current drawings set as it is all RCMP standard.

Refer to attached IT Performance Specification and Security Design Standards for the City of Surrey.

Modifications to the IT Performance Specification will be included for this particular space due to space limitations and building tenant needs. These include the following:

Access Control system shall be RBH Axiom. Doors to have access control point on them are:

- Locker Room Door
- Entrance from Public Lobby
- Exterior Entrance
- IT Rack Key Box – this is a keybox that will contain the keys to unlock the IT racks.

CCTV System

Camera Model: Avigilon H4 3MP IR Indoor Dome

Camera locations:

- Common area - Looking at the exterior entry door from the parking lot.
- Common area - Looking at the comm racks and the storage room hallway and door.
- Common area - Looking out the reception glass, coverage of view includes the entry door from the public lobby.
- Storage Room – Camera location in the opposite corner of the room form the entry door.

NVR: Avigilon Appliance Model Code: VMA-AS2-16P12 with 16C-ACC6-STD-ENT-UPG

IT Performance Spec Data Cabling Alterations for this project:

- Rack Location: On north wall at north end of storage hallway. Model Number: Hammond Manufacturing HWM2432U20BK Looking at 2 side by side with one able to open to the left and one to the right.
- 2 2.5” conduits from the left rack (data rack) that run to the RCMP LAN room
- One of the 2.5” conduits will contain 12 Cat 6A cables from a patch panel in bylaws rack 1 to the RCMP LAN room. Roger Smith RCMP IT has signed off on this.
- 12 Cat6A data runs between the 2 racks.
- Refer to rack 1 as included in the addendum (1 page hand sketch)
- Rack 2 will contain shelving for the CCTV NVR Appliance, intrusion alarm panel, access control panels.
- Power to racks will be as per IT Spec.
- Cabling for 1 WAP located in the centre of the common space.
- Each desk gets 2 data drops.
- Each office has a minimum of 2 2 data drop locations to allow for different configurations of office layouts. Where there is data, there is power with it.

- 4 data drops to be setup at the front service counter.
- Grommet holes for computer cabling at the front counter to be done onsite post millwork install with CoS staff.
- Also refer to Document SD#7 – Grounding Busbars as included in the addendum.

Q19: Is there a specification for the ballistic panels or a type or brand that is to be supplied? Both locations.

A19: 6 mm (1/4") thick, Level One reinforced structural polyester laminate panels designed to progressively delaminate as a bullet penetrates, such that the energy of the bullet is dissipated within the laminate (bullet is captured/retained with no ricochet). Panels are to be composed of multiple layers of woven ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into flat, rigid sheets that are designed for installation within wall assemblies, panels, millwork, counters, and countertops.

Q20: In regards to the T-bar ceiling, is this to match existing in place or is there a new specification available? Guilford location.

A20: T-bar ceiling is to match existing. Reuse as much existing t-bar ceiling tiles as possible.

Q21: Would it be possible to arrange another site meeting for District 3? I would like to look at the existing reception desks the reason for this is to confirm if the existing cat 5e cables are fed from the floor or from the ceiling also I want to know how many cables are in place, if this is not possible please confirm.

A21: On the attached D3-Counter photos, the note 3 arrow on the south end of the counter points to where the power and data is fed to the counter through two conduits running out of the wall. Refer to photo taken from under the counter. Data conduit stubs up into the ceiling space. Number of existing data runs to be determined. The wiring for the panic buttons may also be in the same pipe along with old analogue phone lines. Possibly 6 data runs in the pipe however the contractor should assume that all of the cabling at the front counter is new.

Q22: For both Districts, please confirm length of patch cable required at LAN room and under desks for computers etc. normally you would have 4-6 ft. in LAN room and 6-10 ft. under desks please confirm.

A22: For D2 they do not need to be providing any patch cords. D3 is a re and re. The technology that is already installed there have patch cords in use. They will be reused when the technology is reinstalled.

END OF ADDENDUM #3

SECTION 13070
BULLET RESISTANT FIBERGLASS
UL752 LEVEL I
(BGAA-01)

PART 1 GENERAL

1.1 REFERENCE

The publications listed below form a part of this specification. NATIONAL INSTITUTE OF JUSTICE STANDARD 0108.01-STANDARD FOR BALLISTIC RESISTANT PROTECTIVE MATERIALS (September, 1985). UNDERWRITERS LABORATORY UL 752 9th Edition, Standard for Bullet Resisting Equipment (January 27, 1995).

1.2 SUBMITTALS

The following shall be submitted in accordance with Sections 01340 and the SPECIAL CONTRACT REQUIREMENTS: Submit for approval prior to fabrication samples, brochures, specifications, UL Listing and UL752 Current Test Results as provided by Underwriters Laboratory, and printed data in sufficient detail to indicate compliance with the contract documents. Manufacturerôs instructions for installation of Bullet Resistant Fiberglass.

1.3 DESIGN

Through the design, manufacturing technique and material application the Bullet Resistant Fiberglass shall be of the ñnon ricochet typeò. This design is intended to permit the encapture and retention of an attacking projectile lessening the potential of a random injury or lateral penetration.

1.4 DELIVERY, STORAGE AND HANDLING

Deliver the materials to the project with the UL Listed Labels and the manufacturerôs UL752 designation labels intact and legible. Handle the material with care to prevent damage. Store the materials inside under cover; stack flat and off the floor.

1.5 WARRANTY

All materials and workmanship shall be warranted against defects for a period of 2 (two) years from the date of receipt at the project site.

PART 2 PRODUCTS

2.1 BULLET RESISTANT FIBERGLASS MATERIAL

The panels shall be made of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with the thermoset polyester resin and compressed into flat rigid sheets. The production technique and materials used shall provide the controlled internal delamination to permit the encapture of a penetrating projectile. Bullet Resistant Fiberglass panel: ¼ò inch maximum thickness, and 2.8 pounds per square foot maximum weight. Material shall be Bullet Guard Architectural Armor (BGAA-01), by Bullet Guard, West Sacramento, CA, Phone # (916) 373-0402, Fax # (916) 373-0208, email: Sheila@bulletguardmail.com, Website: www.bulletguard.com

2.2 SECURITY LEVEL

The Bullet Resistant Fiberglass will be UL Listed and Tested for UL752 Level I.

2.3 FIRE RATING

(BGAA-01) Has a one-hour fire rating per ASTM E119-98 and can be used for fire corridors and firewalls.

PART 3 EXECUTION

3.1 SUPPORTING MEMBERS

Prior to installing the bullet resistive material the contractor shall verify that all supports have been installed as required by the contract documents and the architectural drawings.

3.2 JOINTS

All joints shall be reinforced by a back-up layer of bullet resistive material. The bullet resistance of the joint, as reinforced, shall be at least equal to that of the panel. Minimum width of reinforcing layer at joint shall be 4-inches (2ò on each panel or a 2ò minimum overlap).

3.3 APPLICATION

Armor shall be installed in accordance with the manufacturerôs printed recommendations. Armor panels shall be adhered using an industrial adhesive, mastic, screws or bolts. Method of application shall maintain the bullet resistive rating at junctures with the concrete floor slab, the concrete roof slab, the bullet resistive doorframes, the bullet resistive window frames, and all required penetrations.

End of Section

MANUFACTURER'S INSTALLATION RECOMMENDATION FOR ARMORCORE (BGAA-01) BULLET RESISTANT FIBERGLASS PANELS

Health & Safety Precautions

ArmoreCore Bullet resistant panels come under the category of laminated FRP (Fiber Reinforced plastic) products. It is important for installers of fiberglass products to be properly supplied with basic health & safety equipment such as:

1. Gloves-cotton or leather to provide protection from cuts and abrasions associated with handling, drilling or cutting fiberglass materials.

2. Dust Particle masks or respirators to provide respiratory protection against dust associated with cutting or drilling fiberglass materials. Two good products on the market is Moldex 2300 Dust and Mist Respirators and Drager-Picco 20 Respirator Filter for dust and mist.

3. Protective wear to be worn over clothing to provide protection from fibrous dust that can settle in the clothing or on the skin when cutting, sanding or drilling fiberglass materials. DuPont makes an excellent protective wear product called Tyvek Protective Wear.

4. Protective eyewear, especially when cutting, sanding or drilling fiberglass materials.

The above listed items should be worn if workers will be cutting, sanding or drilling fiberglass materials.

Storage Precautions

We recommend that ArmoreCore panels be stored at inside under cover, stacked flat and off the floor. If moving materials with a forklift is needed, please keep panels stored on the pallets that they were originally received with to avoid cracking, chipping or abrading the panels.

Installation

ArmoreCore panels can be cut, drilled or sanded with the following recommendations:

1. **Cutting**
   Skill saw is recommended. Material should be cut slowly with either masonry concrete cutting blade or diamond tip blade. Cut at a medium speed and donôt force the blade or put side pressure on the blade. If dry cutting, please remove blade from cut every minute for a few seconds to cool. A panel or saber saw can be used with a ñgrit edgeò blade that is designed for cutting composites. One excellent blade for skill saw cutting is a Hilti Dry-cutting Diamond Disc (DC 7 x .085 x DM/MC) for use with skill saws at 8500 rpm. These are available at many specialty saw supply stores.

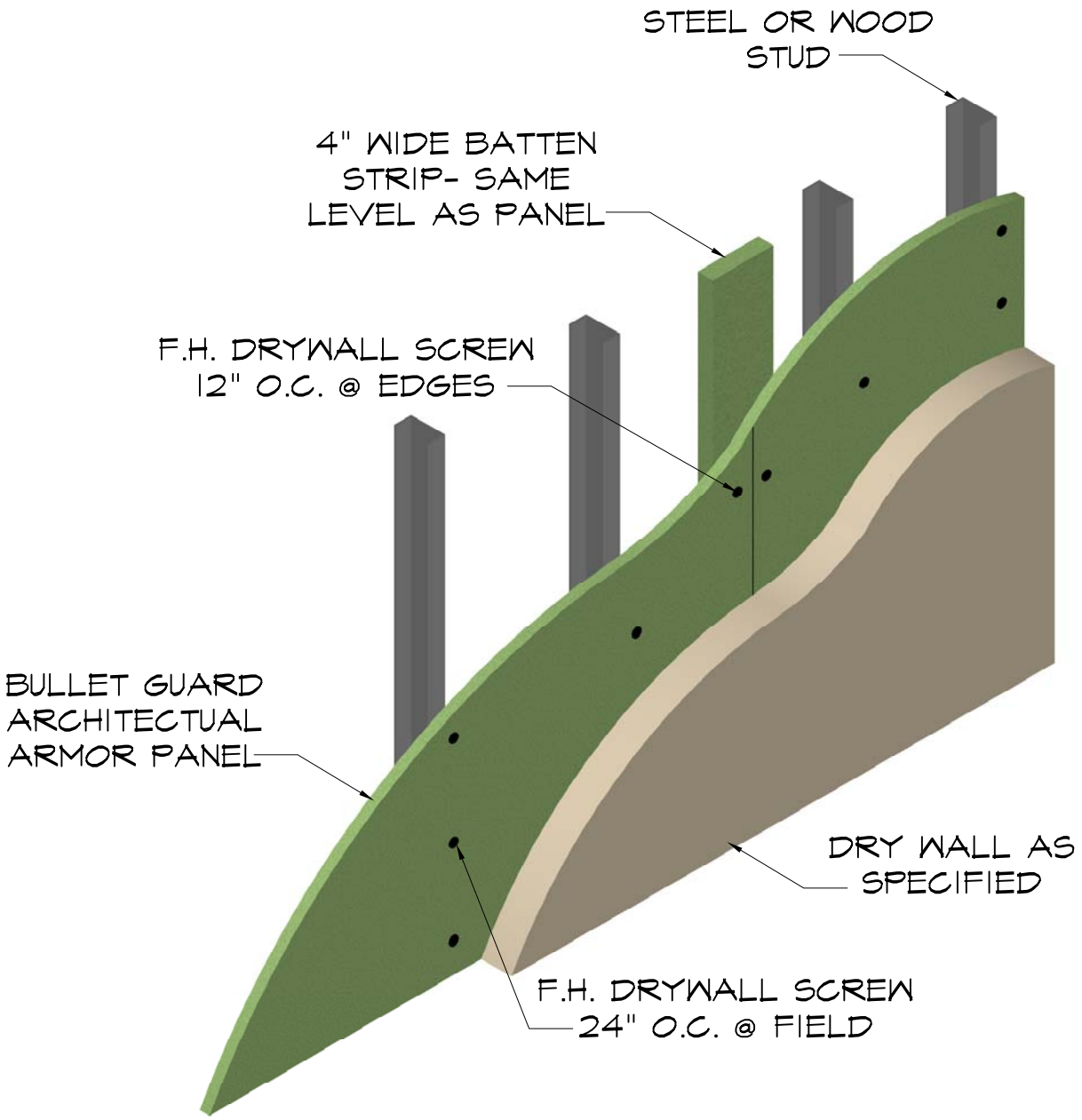
2. **Drilling**
   When pre-drilling ArmorCore Panels it is recommended to use a carbide or cobalt tip drill bit at medium speed and with medium pressure. A counter-sinking drill hole is acceptable when a flush surface is desired. 1 ¾ò wood screws are commonly used to secure panels to wood studs. Self-tapping drywall screws work well when affixing drywall to fiberglass panels or when affixing the fiberglass panels to steel studs. *Note: You can use any self-drilling screw or you can use any drywall screw, if it is not self-tapping you will have to pre-drill. You have to counter sink screw no matter which screw you use.*

3. **Sanding**
   If you will be laminating materials against the fiberglass panel it is recommended to lightly ñrough-upò the panel surface with a sander using 120 grit paper and medium pressure. If we are notified at the time of your order that you will be laminating, we can sand the panels prior to shipment.

4. **Laminating**
   If laminating or gluing to the panels is a requirement, there are many commercial grade adhesives available. We recommend a two-component acrylic, water-based adhesive. H.B. Fuller Company manufacturers a product (RK-3850, X-PB), (XR-1392) that works well for fiberglass to wood applications. Their phone number is 800-328-7307.

5. **Painting**
   Fiberglass panels can be painted directly provided the surface is lightly sanded and a primer base-coat is applied. Either oil or water base may be applied. Surface must be wiped clean of all dust, dirt or grime.

For further information or technical assistance, please phone, fax or email to us. We thank you for choosing Bullet Guard Corp. products and we hope to serve your bullet resistant needs again in the future.



ESTIMATE ONLY ☐ FINAL DESIGN ☐	Bullet Guard® Design, Manufacture, Fabrication & Installation of Ballistic Product	DRAWN BY:
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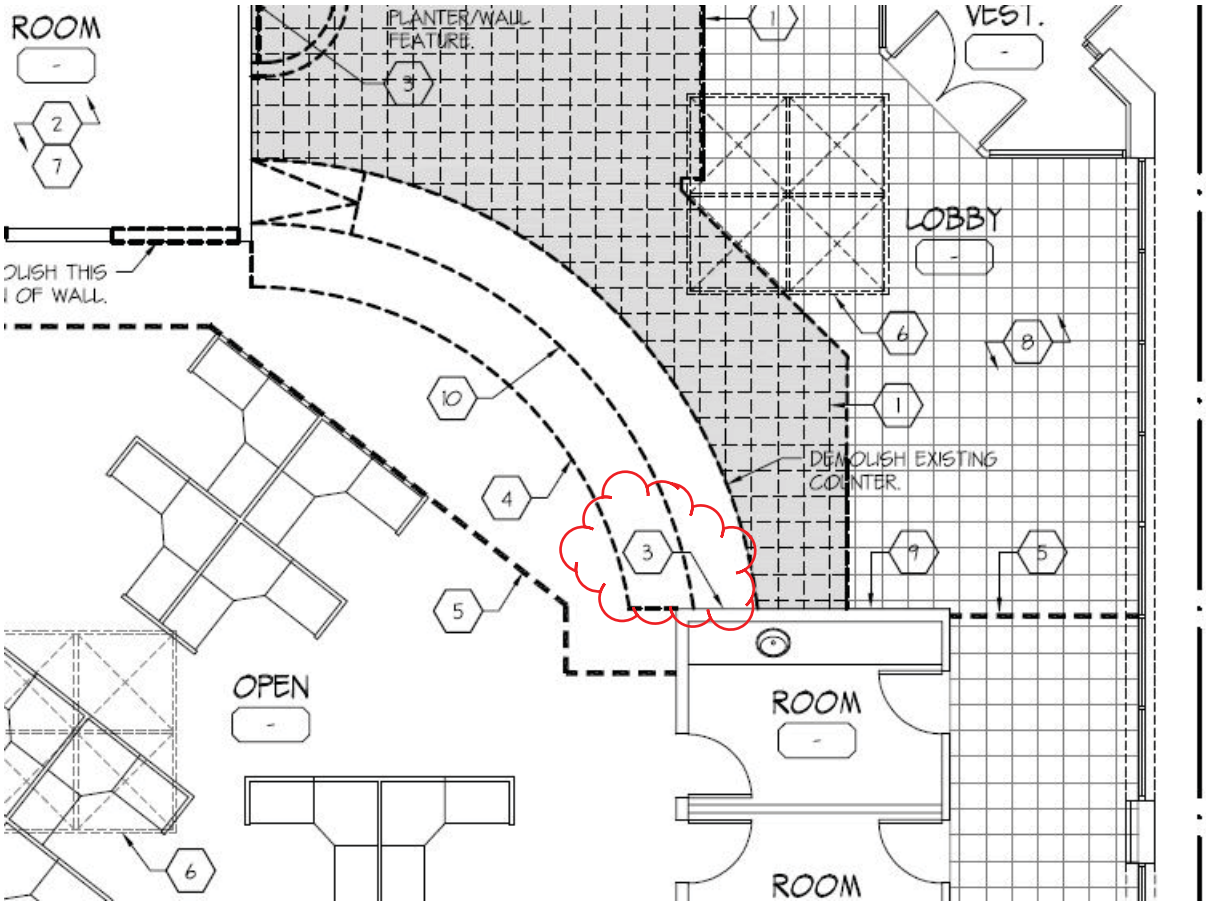
ROOM
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