



Addendum No. 1

To: Pre-Quote Meeting Attendees and Registered Plan holders

From: Beatriz Jordan
City of Mobile Architectural Engineering Department

Re: Government Plaza – Permitting, Inspections, and Zoning Departments Breakroom
Remodeling
Project #PR-059-19

Date: August 19, 2022

This Addendum forms a part of, and modifies, the Request for Quotes for the above referenced project, dated August 14, 2022. Acknowledge the receipt of this Addendum No. 1 and all subsequent Addenda, if any, in the space provided on the Quote Form. Failure to do so may subject Quoter to disqualification.

General:

- Item 1. The Pre-Quote Meeting Agenda *with Modifications* and Pre-Quote Meeting Acknowledgment Roster, dated August 18, 2022 are attached and form part of Addendum No. 1. Revisions to the Pre-Quote Agenda are indicated with a strike-through for deletions and *bold italic* typeface for additions.
- Item 2. The Contractor will proceed construction in the following order:
- Phase 1: Owner will relocate coke machine (10 calendar days notice to Build Mobile to arrange the moving with Coca Cola Co.), to remove existing dining set and cabinets, and empty cabinets and drawers. Contractor to move refrigerator and ice maker to a location indicated by the Project Manager, to remove kitchen sink and faucet (keep them for the Owner to reuse) and to remove existing cabinets. Owner to install new flooring, wall base, electrical outlets, and paint walls. Contractor to install new cabinets, countertop, sink and faucet for the Permitting Department breakroom.
 - Phase 2: Owner to remove existing dining set and cabinet. Contractor to move refrigerator and coke machine to a location indicated by the Project Manager. Owner to install flooring, wall base, electrical outlets, and paint walls. Contractor to install new cabinets and countertop for the Zoning Department Breakroom.

Item 3. Pre-Quote requirements: Installer qualifications will be examined prior to the quote opening. The intent is to pre-qualify installers with a proven, successful record of installations of similar size, and similar installation time in occupied buildings.

Submittals indicating proven record of success shall include:

- a. List of kitchen projects performed for the City of Mobile, if any.
- b. By submitting qualification information, the installer affirms that they are able to provide the materials needed for this project under the payment terms of the contract.
- c. Submit statement that installer is approved by the manufacturer to install the provided products.
- d. Provide a list of projects of similar size, scope, and timeframe performed for other entities and that support the assertion of successful performance.
 - i. Include project name, year completed, and contact names and numbers for reference.
 - ii. Indicate size of installation, scope, and installation time of each project listed.
 - iii. Submit Installer qualifications by 3:00 pm local time Thursday August 25, 2022 to Beatriz Jordan, Project Manager, at beatriz.jordan@cityofmobile.org. An Addendum will be issued by Monday, August 29, 2022, listing approved installers.

Forms and Specifications:

Item 1. Avonite Surfaces Fabrication Guide.

Item 2. Avonite Territory Development Manager information and List of Certified Fabricator by Avonite.

Drawings: N/A

RFI's:

Question: How much is the budget?

Answer: The budget is \$35 K +/-.

Attachments:

Item 1. Pre Quote Meeting Agenda *with Modifications*.

Item 2. Attendance Roster.

Item 3. AD-003-22 RFQ.

Item 4. Avonite Surfaces Fabrication Guide.

Item 5. Avonite Territory Development Manager information and List of Certified Fabricators by Avonite.

END OF ADDENDUM NO. 1

ATTENDANCE ROSTER

MEETING	PROJECT	LOCATION	DATE
Pre-Quote Meeting	Government Plaza Permitting, Inspections & Zoning Departments Breakroom Remodeling	205 Government Street, Mobile, Alabama 36602	Thursday, August 18, 2022

AD-003-22

[illegible]

**GOVERNMENT PLAZA
PERMITTING, INSPECTIONS AND ZONING DEPARTMENTS
BREAKROOM REMODELING
AD-003-22**

PRE-QUOTE MEETING

11:00 am August 18, 2022

AGENDA with Modifications

1. Attendance roster. Include a contact person and an e-mail address where any Addenda should be sent. Please write legibly.
2. Introductions - Owner Contacts, AE Project Manager.
Pre-Quote requirements: Installer qualifications will be examined prior to the quote opening. The intent is to prequalify installers with a proven, successful record of installations of similar size, and similar installation time in occupied buildings.
Submittals indicating proven record of success shall include:
 - a. List of kitchen projects performed for the City of Mobile, if any.
 - b. By submitting qualification information, the installer affirm that they are able to provide the materials needed for this project under the payment terms of the contract.
 - c. Submit statement that installer is approved by the manufacturer to install the provided products.
 - d. Provide a list of projects of similar size, scope, and timeframe performed for other entities and that support the assertion of successful performance.
 - i. Include project name, year completed, and contact names and numbers for reference.
 - ii. Indicate size of installation, scope, and installation time of each project listed.
 - iii. Submit Installer qualifications by 3:00 pm local time Thursday August 25, 2022 to Beatriz Jordan, Project Manager, at beatriz.jordan@cityofmobile.org. An Addendum will be issued by Monday, August 29, 2022, listing approved installers.
3. Discussion of Scope of Work.
 - a. Base Quote: Include the furnishing of all labor, materials, tools and equipment necessary to remodel Permitting / Inspections and Zoning Departments Breakroom areas as outlined in this RFQ document.
 - a. For the Permitting / Inspections Department Breakroom, temporarily store dining set, kitchen appliances, ice maker and refrigerator in a location indicated by the project manager, remove existing faucet, sink, countertop, top and bottom cabinets and provide and install new faucet, solid surface countertop and backsplash with integrated sink and top and bottom cabinets according to drawings and specifications.
 - b. For the Zoning Department Breakroom, temporarily store dining set, cabinet, kitchen appliances and refrigerator in a location indicated by the project manager, and install new top and bottom cabinets and solid surface countertop according to drawings and specifications.
 - b. There is a \$2,000.00 Contingency Allowance. Allowances shall be utilized only after advance written approval by the Owner. At the end of the project, remaining contingency will be returned to the City via Change Order.
 - c. Protect all existing non-moveable items through the course of construction. Verify with Project Manager if non-moveable item is in conflict with work areas.

- d. Contractor must obtain permits and arrange for all permit inspections required by the City of Mobile. There is no charge for the Permit. Subcontractors will need to obtain their own permits.
 - e. Before sending a quote, Contractor shall verify their license classification of their General Contractors license with the State of Alabama Licensing Board.
 - f. Contractor shall have access to the site Monday through Friday, 8:00 am until 5:00 pm unless approved differently by Project Manager.
 - g. Contractor shall keep an exceptionally clean site. The offices will continue to operate during normal business hours. All Construction and lay down areas must be protected from public and staff.
 - h. Contractor may utilize, without cost: power, electricity, toilet, and handwashing facilities, etc. if available in moderation.
 - i. Protect the job site and surrounding areas. Contractor shall be responsible for damages through the course of the work. It is advised that the Contractor document the area before beginning Construction.
 - j. Remove waste, and surplus materials, from the site. On-Site Dumpster location to be coordinated with Owner Contact. Do not use facilities waste bins or dumpsters. Site must be kept clean.
 - k. Storm and Wastewater:
 - i. Comply with City of Mobile and Alabama Department of Environmental Management requirements. Pay attention to Water Regulations and Allowable Discharges.
 - ii. See City of Mobile Code, Chapter 17, Storm Water Management and Flood Control.
 - l. Any observed ambiguities, discrepancies, omissions or errors in any part of the contract documents shall be submitted as written RFIs to Beatriz Jordan at beatriz.jordan@cityofmobile.org.
 - m. Cut off time for submission of RFIs is by 3:00 pm 2 days before the quote opening date. All requests are to be submitted via e-mail to beatriz.jordan@cityofmobile.org.
 - n. Cut off time for substitution requests is by 3:00 pm 2 days before the bid opening date. Substitution approvals are Pre-Quote only. All requests are to be submitted via e-mail to Beatriz Jordan.
 - o. Official clarifications or corrections will be made by written addendum sent to all registered prospective bidders via e-mail. Only clarifications immortalized in Addendums are valid.
 - p. Contractor shall verify field dimensions.
4. Special Instructions or conditions.
- a. Equal Opportunity:
 - i. The City of Mobile, Alabama is an Equal Opportunity Employer and requires that all Contractors comply with the Equal Employment Opportunity laws and the provisions of the Bid Documents in this regard.
 - ii. The City of Mobile also encourages and supports the utilization of Minority Business Enterprises on these and all other publicly solicited Bids and shall be in compliance with the City of Mobile's Minority Utilization Plan as adopted by the City Council.
 - b. City of Mobile permits are required for the construction, but are available without cost to the Contractor. Contractors shall have a current \$10,000 Surety Bond on file with the City of Mobile Permitting Department prior to issuance of permits and throughout the contract duration.
5. Bidding instructions, forms, special requirements and time.
- a. Quotes will be received until 3:00 PM local time, Thursday, September 1, 2022.
 - i. Quotes can be emailed to beatriz.jordan@cityofmobile.org.

- ii. Quotes can be delivered in person or mailed to the Architectural Engineering Department, 5th Floor, South Tower, Government Plaza, 205 Government Street, Mobile, Alabama 36602. Quoters are responsible for ensuring their bids arrive by the quote time and date.
 - b. All Quotes not received prior to the time specified, or Quotes received after the specified time, will be automatically rejected, and returned immediately, unopened.
 - c. This is a tax-exempt project. As per the State of Alabama ACT 2013-205, the Alabama Department of Revenue (ADOR) has been granted the authority to issue a "Certificate of Exemption from Sales and Use Tax for Governmental Entities" on construction projects. Therefore, this project shall qualify for State of Alabama Sales and Use Tax Exemptions under this ACT. It is the responsibility of the Bidder to confirm the potential tax exempt status of their bid with the ADOR and include any such savings in their bid, as well as accounting for same on their bid form attachment Sales Tax Form C-3A.
6. Additional Requirements at time of Contract execution:
- a. A valid City of Mobile business license for the duration of the contract period.
 - b. E-verify Documentation: The Beason-Hammond Taxpayer Protection Act applies to this project. Contractor shall comply with the requirements of this Act and show proof of enrollment in the E-verify program by submitting the electronically generated Federal E-verify document prior to signing of the construction contract. (see RFQ documents)
 - c. Performance Bond and Labor & Material Payment Bond are required.
 - d. Certificate of Insurance in amounts and with endorsements as required by the City of Mobile (see Request for Quotes documents).
 - e. Builder's Risk Insurance:
 - i. ALL RISK Builder's Risk coverage shall be provided for the Contractor, Owner and all SubContractors for the full amount of the Contract during construction, fabrications, storage, transport and erection of any equipment.
 - ii. Policy provisions and the Certificate of Insurance shall be provided to the Owner.
7. Payment requirements.
- a. Retainage withheld at 5% of the first 50% of Construction Completed until the amount equals 2.5% of the full contract amount.
 - b. The final 2.5% of the full contract amount is withheld as retainage until all close out requirements are met, proof of advertisement, warranties, Consent of Surety, and release of liens, etc. By State of Alabama Law, notice of final completion of the contract shall be published four times in a local newspaper of general circulation.
 - c. The City of Mobile is unable to issue payment or deposits on materials that are not on the project site, or in the City of Mobile stored in a climate controlled, bonded warehouse where a City representative can verify their presence and proper storage.
8. Owner/City of Mobile contacts and phone numbers:
- a. Beatriz Jordan: 251-208-7878 (AE Project Manager)
9. Walk of Site
10. Adjourn

REQUEST FOR QUOTES

Government Plaza – Permitting, Inspections and Zoning Departments Breakroom Remodeling
205 Government Street, Mobile, Alabama 36602
AD-003-22

Notice is hereby given that the City of Mobile will receive quotes, submitted to the Architectural Engineering Department, 5th Floor South Tower, Government Plaza, 205 Government Street, Mobile, Alabama, 36602 until 3:00 PM local time on Thursday, September 1, 2022, for the above stated project. Additional instructions are detailed in the request for quotes documents.

A pre-quote meeting shall be held at the project site, meet at the Government Plaza Atrium, on Thursday, August 18, 2022 at 11:00 AM local time. A representative of the Quoter is encouraged to be present at the meeting. However, if no representative can be present in person, the Quoter shall contact the Project Manager at 251-208-7878, at least 24 hours prior to the meeting, in order to coordinate attendance of the meeting by conference call. Quoters are required to participate in the Pre-Quote Conference, visit the site prior to submitting a Quote, and include all costs associated with the project in their Quotes. This project is tax exempt.

Quote Documents are on file and may be examined and obtained from the following location:

www.cityofmobile.org/bids/

A Directory of DBE (Disadvantaged Business Enterprise) Vendors can be found at the following location:

<https://workwith.cityofmobile.org/>



**ARCHITECTURAL ENGINEERING DEPARTMENT
REQUEST FOR QUOTES
August 14, 2022**

The City of Mobile will receive quotes for the following Project:

Project Name: Government Plaza – Permitting, Inspections and Zoning
Departments Breakroom Remodeling

Project Location: 205 Government Street, Mobile,
3rd Floor, South Tower
Mobile, Alabama 36602

Project Number: AD-003-22

Summary of Work: Include the furnishing of all labor, materials, tools and equipment necessary to remodel Permitting / Inspections and Zoning Departments Breakroom areas as outlined in this RFQ document.

For the Permitting / Inspections Department Breakroom, temporarily store dinning set, kitchen appliances, ice maker and refrigerator in a location indicated by the project manager, remove existing faucet, sink, countertop, top and bottom cabinets and provide and install new faucet, solid surface countertop and backsplash with integrated sink and top and bottom cabinets according to drawings and specifications.

For the Zoning Department Breakroom, temporarily store dining set, cabinet, kitchen appliances and refrigerator in a location indicated by the project manager, and install new top and bottom cabinets and solid surface countertop. Contractors wishing to Quote this Work shall be pre-approved in accordance with attached pre-approval procedure.

Important Dates:

Mandatory Pre-Quote Meeting: Thursday, August 18, 2022 at 11:00 AM.
Quotes Due: Thursday, September 1, 2022 at 3:00 PM.

Examination of Documents: Before submitting a Quote, Contractors shall carefully examine this RFQ (including attachments), visit the site (including attendance at the Pre-Quote meeting), fully inform themselves as to existing conditions and limitations, and include in the Quote a sum to cover the cost of all items included in the RFQ and as

necessary to perform the work. The submission of a Quote will be considered as conclusive evidence that the Contractor has made such examination.

Attachments:

- Item 1. C-3A, Accounting of Sales Tax
- Item 2. Labor and Material Payment Bond and Performance Bond
- Item 3. Exhibit 1, Proof of Enrollment in E-Verify.
- Item 4. Exhibit 2, Contract form example "Agreement Between Owner & Contractor For A Stipulated Sum".
- Item 5. Exhibit 3, Insurance Requirements for Contractors and Limits for Vendor Services.
- Item 6. Exhibit 4, City of Mobile Vendor Information and Form W9 Request for Taxpayer Identification Number and Certification.
- Item 7. Contractor's Affidavit of Payment of Debts and Claims - G706.
- Item 8. Contractor's Affidavit of Release of Liens - G706A.
- Item 9. Consent of Surety to final Payment - G707
- Item 10. City of Mobile Office of Supplier Diversity Waiver
- Item 11. Section 00700 General Condition of the Agreement.
- Item 12. Section 01010 Summary of the Work
- Item 13. Section 01210 Allowances
- Item 14. Section 01330 Submittal Procedures
- Item 15. Section 01400 Pre Quote Qualification and Construction Quality Control
- Item 16. Section 01710 Closeout Procedures
- Item 17. Section 060513 Decorative Plastic Laminate Finishes
- Item 18. Section 064100 Architectural Wood Casework
- Item 19. Section 0123600 Countertops
- Item 20. Avonite Surface Fabrication Guide

Drawings:

- Item 1. A-1 General Notes
- Item 2. D-1 Permitting and Zoning Department Breakroom Selective Demolition
- Item 2. A-1 Permitting Department Finish Floor Plan and Sections
- Item 3. A-2 Permitting Department Breakroom Floor Plan and Elevations
- Item 4. A-3 Zoning Department Floor Plan and Elevations
- Item 5. A-4 Sections and Details

Pre-Quote meeting shall be held on Thursday, August 18, 2022 at 11:00 A.M., meet at the Government Plaza Atrium. A representative of the Quoter is encouraged to be present at the meeting. Contractors shall view and verify all existing conditions during the Pre-Quote meeting. No additional site visits are scheduled, but may be arranged with the Project Manager upon request.

All **Requests for Information (RFI's)** and requests for substitutions shall be submitted in writing to the Project Manager no later than 3:00 PM, two (2) business days prior to the Quote submittal date. Responses shall be in the form of a written Addendum issued to all Contractors. Receipt of all addenda shall be acknowledged by the contractor on the Quote form. Failure to acknowledge Addenda may result in disqualification of the Quote.

Quoters shall NOT include sales in their quote. Submit Form C-3A, Accounting of Sales Tax, with Quote.

Contractors may use on-site utilities and facilities, such as power, water and public restrooms. Contractor shall have access to the work site, as approved by the Owner, between 8:00am - 5:00pm Monday through Friday. Additional access may be coordinated with the Owner representatives in advance. Limit use of premises to allow for Owner access and use of facility. The facility will remain in use during the construction period, the area must be clear of tools, debris and materials at all times to ensure the safety of the staff. Debris shall be removed and disposed of daily. No temporary storage will be available for this location. Obey all City and Facility regulations.

The Contractor shall deliver the work complete within forty five (45) calendar days from the date of the written Notice of Proceed.

- A. In order to coordinate the Contractor's work schedule with the Owner, within five (5) calendar days of the bid opening, the Apparent Low Quoter Contractor shall meet with the Owner to discuss scope and Owner scheduling and priorities. The Apparent Low Quoter shall then provide a proposed schedule within five (5) calendar days of the initial meeting for Owner review and approval.
- B. It is unlikely that the Contractor will be allowed additional construction days due to inclement conditions ("rain days"), because of the critical completion date of the project. However, the Contractor may submit such requests, but only as such are appropriately documented and are in excess of the NOAA/National Weather Service average (previous 5 years) for the given month. A "rain day" is defined as more than a "trace" (0.10") of rain falling within a given 24 hour period. Contractor is to submit requested rain days each week. Do not wait for the end of the project to submit rain days.

Allowance:

Include in the Total Base Quote a stipulated allowance as indicated on the Quote Form for the use upon Owner's instruction. Upon Contractor inspection and Owner approval, any additional work that may be required, but not covered in the original Scope of Work (Base Scope Quote), shall be added to the scope and cost charged against the Contingency Allowance. Contractor's cost for products, delivery, installation labor, insurance, payroll, bonding, equipment rental and overhead and profit will be included in the Allowances. Contractor's markups on allowances are limited to 10% for subcontractor's work and 15% for his own forces.

Use of Contingency Allowance shall be approved in writing by the Owner before any materials are ordered or work performed.

Upon completion of the Work, any unused portion of the Allowances shall be credited back to the City of Mobile in the form of a Change Order.

Quotes (stipulated sum):

Quotes for the above Scope of Work will be received until 3:00 PM on Thursday, September 1, 2022, in the Architectural Engineering Department, 205 Government Street, P.O. Box 1827, Mobile, Alabama 36633. Quotes in amounts less than \$50,000 may be submitted in person, faxed, e-mailed or mailed to the Project Manager at the address indicated. Quotes \$50,000 or greater shall be submitted in a sealed 9"x12" envelope with the Contractor's General Contractors license information written on the

outside of the bid envelope. Quotes for \$50,000 or more shall have a Bid Surety payable to Owner, City of Mobile, in the amount of 5% of the Base Quote drawn on an Alabama bank. Contractor is responsible for his quote arriving on time. Quotes will be reviewed in the Architectural Engineering Department following the time established for receipt of Quotes.

- A. No Bid may be modified, withdrawn, or canceled for a period of sixty (60) calendar days after the time designated for receipt of bids.
- B. The City of Mobile will have sixty (60) days from the bid opening date to award contract.

Bond Requirements:

For contracts that exceed \$10,000.00, a Bid Bond (or Bid Security), Performance Bond and a Labor and Material Payment Bond shall be required.

- A. Cost of Bonds shall be included in the Contractor's bid.
- B. A Surety authorized to do business in the State of Alabama must issue Bonds.
- C. The Bidder shall require the attorney-in-fact who executes the required bonds on behalf of the surety to affix thereto a certified and current copy of the power of attorney.

Bid Security/Bid Bond:

- A. A Cashier's Check drawn on an Alabama bank or Bid Bond payable to Owner, City of Mobile, in the amount of 5% of the Base Bid, but in no event more than \$10,000.00 is required to accompany Bid.
- B. The Bid Security of the three lowest bidding Contractors shall be retained by the Owner until a contract is executed for the project.

A City of Mobile Business License is required and must be current at contract execution and throughout duration of contract.

City of Mobile Building Permits are required for this project, and all required progress and final inspections must be scheduled by the contractor. Closure of permits is a condition of final payment. There is no cost for City of Mobile permits.

Within ten (10) calendar days from the date of issuance of Contract forms for execution, the Contractor shall deliver to the City of Mobile the following items along with the electronically signed Owner Contractor Agreement:

- 1. Proof of enrollment in the Federal E-Verify program (see sample document attached as Exhibit 1)
- 2. Contract form example "Agreement Between Owner and Contractor For A Stipulated Sum" (sample attached as Exhibit 2)
- 3. Certificate of Insurance and policy endorsements in accordance with City of Mobile Insurance Requirements (attached as Exhibit 3 with sample documents)

4. Company's current W-9 Tax Form and City of Mobile Vendor Information Form (Documents attached). Vendor may also show evidence of enrollment in the City of Mobile's Vendor Registration System:

<https://www.cityofmobile.org/bids/vendor->

For **Payment(s)**, each month until project completion, submit two (2) notarized signature originals of the Application and Certificate for Payment, on AIA Documents G702 and G703. (Electronic forms will be provided by City of Mobile Architectural Engineering Department upon request of the Contractor.) Each Pay Application shall be based on the most recent schedule of values submitted by the Contractor. The schedule of values shall allocate the entire Contract Sum among the various portions of the Work, and shall form the basis for review and approval of the Contractor's Application for Payment. The amount of progress payments may be reduced by 1.) amounts previously paid by Owner, 2.) uncorrected Work, 3.) non-payment of sub-contractor, 4.) defects discovered since last pay application, 5.) retainage. Prior to Substantial Completion of the Work, the Owner will hold **Retainage** from the payment otherwise due as follows: Five percent (5%) of the first fifty (50%) of the completed work and after fifty percent (50%) completion has been accomplished, no further retainage shall be held from the original Contract Sum. Increases in contract sum by Change Order shall also be subject to retainage. The net amount of the Retainage shall be equal to two and one half percent (2.5%) of the total Contract Sum, as increased or decreased by Change Order.

At **Substantial Completion** of the project, the Contractor shall publish a "Notice of Final Completion" of the contract in a locally published newspaper of general circulation, in accordance with Code of Alabama, Title 39, Section 39-1-1. For final Contract Sums less than fifty thousand dollars (\$50,000.00), the Contractor shall also provide an electronic or hard copy of the Notice verbiage, on company letterhead, to the Project Manager at the same time the Notice is submitted to the newspaper. Contracts over \$50,000, the Contractor shall publish four successive weeks. Within five working days after publication, the Contractor shall provide an original notarized proof of publication to the Project Manager.

The "Notice of Final Completion" shall read as follows:

STATE OF ALABAMA
COUNTY OF MOBILE
NOTICE OF COMPLETION

In accordance with Chapter 1, Title 39, Code of Alabama, 1975, NOTICE IS HEREBY given that (COMPANY NAME) has completed the contract for Government Plaza, Permitting, Inspections & Zoning Departments Breakroom Remodeling, AD-003-22, in Mobile, Alabama 36602. All persons having any claims for labor, material or otherwise in connection with this project should immediately notify the Architectural Engineering Department, City of Mobile, P.O. Box 1827, Mobile, AL 36633-1827.

Liquidated Damages: A time charge equal to two hundred fifty dollars (\$250.00) per calendar day will be made against the Contractor for the entire period that any part of the Work remains uncompleted or required closeout documents are not acceptably submitted for more than thirty (30) calendar days after the time specified for the Substantial Completion of the Work, the amount of which shall be deducted by the

Owner, and shall be retained by the Owner out of monies otherwise due the Contractor in the final payment, not as a penalty, but as liquidated damages sustained.

Contractor's Warranty: Contractor shall provide a written warrantee to the Owner that all materials furnished under the contract are of good quality and new. Contractor shall further warrant that the Work conforms to the requirements of the information contained in this Request For Quotes and will be free from defects. Work and/or materials not conforming to these requirements may be considered defective and shall, within one (1) year from date of Substantial Completion of the Project, be promptly replaced or corrected without cost to the Owner. Contractor shall also provide manufacturer's warranties for products used.

Close Out Documents: Shall consist of as built drawings, warrantees, approved submittals and other documents required by the RFQ document. They shall also include original executed copies of the following AIA Documents:

1. Contractor's Affidavit of Payment of Debts and Claims - G706
2. Contractor's Affidavit of Release of Liens - G706A
3. Consent of Surety to final Payment - G707 (if bonds are required)

Contact the Project Manager, Beatriz Jordan, at the City of Mobile, Architectural Engineering Department, 251-208-7878 phone, 251-208-7894 fax or e-mail beatriz.jordan@cityofmobile.org for further clarification regarding this Request for Quotes.

**GOVERNMENT PLAZA
PERMITTING, INSPECTIONS AND ZONING DEPARTMENTS BREAKROOM
REMODELING
205 Government Street, Mobile, Alabama 36602
AD-003-22**

QUOTE FORM:

Company Name: _____

Company Address: _____

Office Phone #: _____ **Fax #:** _____

City of Mobile Business License No.: _____

In compliance with the Request for Quotes prepared by the City of Mobile, Architectural Engineering Department, dated _____, and all Addendum(a) No(s) _____ dated _____, the undersigned does hereby propose to furnish all labor, materials, tools, equipment and supplies and to sustain all expenses incurred in performing the Scope of Work for the amount listed below. The Contractor shall deliver the work complete within forty five (45) calendar days from the written Notice to Proceed.

Quoters shall NOT include sales tax in their quote. Submit Form C-3A, Accounting of Sales Tax, with Quote.

Quotes shall be provided in whole dollar amount with no cents.

Base Quote Amount: _____

Amount in Words

_____ Dollars & No Cents \$ _____ .00

Amount in #'s

Contingency Allowance: Two Thousand Dollars & No Cents \$ 2,000.00

Amount in Words

Amount in #'s

Total Base Quote Amount: _____

Amount in Words

_____ Dollars & No Cents \$ _____ .00

Amount in #'s

Contact Phone #: _____ **Cell #:** _____

E-mail Address: _____

Signature: _____ **Date:** _____

Printed Name: _____ **Title:** _____

**ACCOUNTING OF SALES TAX
ATTACHMENT TO BID FORM SECTION 00410
SALES TAX FORM C-3A**

To: City of Mobile

Date: _____

Name of Project: Government Plaza – Permitting, Inspections and Zoning Departments
Breakroom Remodeling

Project # AD-003-22

SALES TAX ACCOUNTING

Pursuant to Act 2013-205, Section 1(g) the Contractor accounts for the sales tax NOT included in the bid proposal form as follows:

ESTIMATED SALES TAX AMOUNT

TOTAL BASE BID:

\$ _____

Failure to provide an accounting of sales tax shall render the bid non-responsive. Other than determining responsiveness, sales tax accounting shall not affect the bid pricing nor be considered in the determination of the lowest responsible and responsive bidder.

Legal Name of Bidder _____

Mailing Address _____

***By (Legal Signature)** _____

*Name (type or print) _____ (Seal)

*Title _____

Telephone Number _____

PERFORMANCE BOND

Any singular reference to Contractor, Surety, Owner or other Party shall be considered plural where applicable.

KNOW ALL MEN BY THESE PRESENTS: That the Contractor, _____, hereinafter called the Principal, and _____, hereinafter called the Surety, are held and firmly bound unto the **City of Mobile, P.O. Box 1827, Mobile, AL 36633**, hereinafter called the Owner, in the penal sum of _____ and xx/100 Dollars (\$_____.00) for payment of which we bind ourselves, our heirs, executors, administrators, successors, and assigns for the faithful performance of a certain written Contract dated the _____ day of _____, 2022 entered into between the Principal and the City of Mobile for furnishing all labor, material, equipment and insurance and performing all Work required to properly complete Government Plaza – Permitting, Inspections and Zoning Departments Breakrooms Remodeling (AD-003-22), 205 Government Plaza, Mobile, Alabama, 36602, a copy of which said Contract is incorporated herein by reference and is made a part hereof as if fully copied herein.

NOW, THEREFORE, the condition of this obligation is such that if the Principal shall faithfully perform the terms and conditions of the Contract in all respects on its part and shall fully pay all obligations incurred in connection with the performance of such Contract on account of labor and materials used in connection therewith, and all such other obligations of every form, nature and character, and shall save harmless the Owner from all and any liability of every nature, kind and character which may be incurred in connection with the performance or fulfillment of such Contract or other such and liability resulting from negligence or otherwise on the part of such Principal and further save harmless the Owner from all cost and damage which may be suffered by reason of the failure to fully and completely perform said contract and shall fully reimburse and repay the Owner for all expenditures of every kind, character, and description which may be incurred by the Owner in making good any and every default which may exist on the part of the Principal in connection with the performance of said Contract; and further that the Principal shall pay all lawful claims of all persons, firms, partnerships, or corporations for all labor performed and material furnished in connection with the performance of the Contract, and that the failure to do so with such persons, firms, partnerships or corporations shall give them a direct obligation; and provided, however, that no suit, action, or proceedings by reason of any default whatever shall be brought on this bond after two years from the date on which the final payment on the Contract falls due, and provided, further, that if any alterations or additions which may be made under the Contract, or in the work to be done under it, or the giving by the Owner of any extensions of time for the performance of the Contract or any other forbearance being expressly waived. This obligation shall remain in full force and effect until the performance of all covenants, terms and conditions herein stipulated and after such performance, it shall become null and void.

In addition to any other legal mode of service, service of summons, and other process in civil actions brought in Mobile County may be had on the Contractor or the Surety on the bond by leaving a copy of the summons and complaint or other pleading or process with the Mayor of the City of Mobile which shall bind the principal Contractor and Surety to the mode of service above described and that the service shall be the same as personal service on the contractor or surety. This Bond is given pursuant to the terms of Alabama Code, Title 39-1-1, et. al., As Amended.

EXECUTED IN FOUR (4) COUNTERPARTS.

SIGNED, SEALED AND DELIVERED this _____ day of _____, 2022.

CONTRACTOR AS PRINCIPAL

Company: _____
(Corporate Seal)

By: _____
(Signature)

Name and Title: _____

SURETY

Company: _____
(Corporate Seal)

By: _____
(Signature)

Name and Title: _____

Resident Agent: _____
(Signature)

Name and Title: _____

Company Name: _____

Address: _____

Phone and Fax: _____

Owner's Representative: Cassie Boatwright
REAM Director
PO Box 1827
Mobile, AL 36633
251-208-7454

LABOR AND MATERIAL PAYMENT BOND

Any singular reference to Contractor, Surety, Owner or other Party shall be considered plural where applicable.

KNOW ALL MEN BY THESE PRESENTS: That the Contractor, _____, as Principal, and _____, as Surety, are held and firmly bound unto the **City of Mobile, P. O. Box 1827, Mobile, AL 36633** (hereinafter called the "Obligee") in the penal sum of _____ and xx/100 (\$_____.00) lawful money of the United States, for the payment of which sum well and truly to be made we bind ourselves, our heirs, personal representatives, successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS, said Principal has entered into a certain Contract with said Obligee, dated the ____ day of _____, 2022 (hereinafter called the "Contract") for furnishing all labor, material, equipment and insurance and perform all work required to properly complete Government Plaza – Permitting, Inspections and Zoning Departments Breakroom Remodeling (AD-003-22), 205 Government Plaza, Mobile, Alabama 36602, which, **THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH** that if said Principal and all subcontractors to whom any portion of work provided for in said Contract is sublet and all assignees of said Principal and of such subcontractors shall promptly make payments to all persons supplying him or them with labor, materials or supplies for or in the prosecution of the work provided for in such Contract, or in any amendment or extension of or additions to said Contract, and for the payment of reasonable attorney's fees, incurred by the claimant or claimants in suits on each bond, then the above obligations shall be void; otherwise to remain in full force and effect. **PROVIDED**, however, that this bond is subject to the following conditions and limitations.

- (a) Any person, firm or corporation that has furnished labor, materials or supplies for or in the prosecution of the work provided for in said contract shall have a direct right of action against the Principal and Surety on this bond, which right of action shall be asserted in a proceeding instituted in the County in which the work provided for in said Contract is to be performed or in any county in which said Principal and Surety does business. Such right of action shall be asserted in a proceeding instituted in the name of the claimant or claimants for his or their use and benefit against said Principal and Surety or either of them (but not later than one year after the final settlement of said Contract) in which action such claim or claims shall be adjudicated and judgment rendered thereon.
- (b) The Principal and Surety hereby designate and appoint Attorney-In-Fact, as the agent of each of them to receive and accept service of process or other pleading issued or filed in any proceeding instituted on this bond and hereby consent that such service shall be the same as personal service on the Principal and/or Surety. In addition to any other legal mode of service, service of summons, and other process in civil actions brought in Mobile County may be had on the Contractor or the Surety on the bond by leaving a copy of the summons and complaint or other pleading or process with the Mayor of the City of Mobile which shall bind the principal Contractor and Surety to the mode of service above described and that the service shall be the same as personal service on the contractor or surety.
- (c) The Surety shall not be liable hereunder for damage or compensation recoverable under any Workmen's Compensation or Employer's Liability Statute.
- (d) In no event shall the Surety be liable for a greater sum than the penalty of this bond, or subject to any suit, action or proceeding thereon that is instituted later than two years after the final settlement of said Contract.
- (e) This bond is given pursuant to the terms of Alabama Code, Title 39-1-1, et. al., As Amended.

EXECUTED IN FOUR (4) COUNTERPARTS.

SIGNED, SEALED AND DELIVERED this ____ day of _____, 2022

CONTRACTOR AS PRINCIPAL

Company: _____
(Corporate Seal)

By: _____
(Signature)

Name and Title: _____

SURETY

Company: _____
(Corporate Seal)

By: _____
(Signature)

Name and Title: _____

Resident Agent: _____
(Signature)

Name and Title: _____
Company Name: _____
Address: _____

Phone and Fax: _____

Owner's Representative: Cassie Boatwright
REAM Director
PO Box 1827
Mobile, AL 36633
251-208-7454



Company ID Number:

Approved by:

Employer	
Name (Please Type or Print)	
Signature	Date
Department of Homeland Security, Division	
Name (Please Type or Print)	Title
Signature	Date

Company ID Number:

Information Required for the E-Verify Program	
Information relating to your Company:	
Company Name	
Company Facility Address	
Company Alternate Address	
County or Parish	
Employer Identification Number	
North American Industry Classification Systems Code	
Parent Company	
Number of Employees	
Number of Sites Verified for	

EXHIBIT 2

AGREEMENT BETWEEN OWNER AND CONTRACTOR FOR A STIPULATED SUM (HEREINAFTER "AGREEMENT")



This Agreement made and entered into this _____.

BETWEEN the **Owner:** CITY OF MOBILE
205 Government Street
P. O. Box 1827
Mobile, Alabama 36633

And the **Contractor:** _____

City Business License No.: _____

Secretary of State Registration No.: _____

For the following **Project:** Government Plaza
Permitting, Inspections and Zoning Departments Breakroom
Remodeling

Project Number: AD-003-22

The Owner and Contractor agree as set forth below:

1.0 CONTRACTOR'S SERVICE

- 1.1** The Contractor's Services consist of those described in the Scope of Work which is attached hereto as "Exhibit A" and is hereby incorporated as a part of this Agreement and as provided in the Request for Quotes documents that are hereby incorporated by reference as a part of this Agreement as though fully set out herein. The total contract amount is _____ and xx/100 Dollars (\$00.00), which includes a Contingency Allowance of Two Thousand and xx/100 Dollars (\$2,000.00).
- 1.1** The Contractor's Services consist of those described in the Scope of Work, which is attached hereto as "Exhibit A" and is hereby incorporated as a part of this Agreement and as provided in the Request for Quotes documents that are hereby incorporated by reference as a part of this Agreement as though fully set out herein.
- 1.2** If Additional Services are required due to circumstances beyond the Contractor's control, the Contractor shall give written notice to the Owner and obtain written authorization from the Owner before commencing such Services. The Contractor's

notice shall include a description of the circumstances justifying the “Additional Services” and a proposal to provide the Services.

1.3 ALLOWANCE

- A. Contingency Allowance shall cover cost of material, labor, overhead, profit and other expenses for complete installation of items of additional Work as required for a complete, functional project. Contractor shall provide an itemized proposal including same for all Work. Contractor’s charges for overhead and profit are limited to 10% of labor, materials and equipment costs on subcontractor’s work; and 15% on work of Contractor’s own forces.
- B. Contingency Allowance shall be used for unforeseen circumstances not covered in the construction documents. All extra work under this section must be authorized by the Owner, in writing, prior to ordering materials or undertaking work.
- C. Upon completion of the Work, the unused portion of the Contingency Allowance shall be credited back to the Owner in the form of a Change Order.

2.0 OWNER’S REPRESENTATIVE

- 2.1 The Owner’s Representative, authorized to act on the Owner’s behalf with respect to the Project, is the Director of Real Estate Asset Management or the Director’s designated representative. The Owner’s liaison with the Contractor is the Owner’s Representative.

3.0 GENERAL REQUIREMENTS

- 3.1 The Contractor shall deliver the Work complete within Forty Five (45) calendar days from the date of the written Notice to Proceed.
- 3.2 The Owner and the Contractor, respectively, bind themselves, their partners, successors, assigns, and legal representatives to the other party to this Agreement, with respect to all covenants of this Agreement. Contractor shall not assign, sublet, or transfer its interest in this Agreement without written consent of the Owner, which consent will be granted or withheld at the Owner’s sole discretion.
- 3.3 This Agreement represents the entire and integrated agreement between the Owner and Contractor and supersedes all prior negotiations, understandings or agreements either written or oral. The Owner and Contractor may amend this Agreement only by written instrument signed by both parties.
- 3.4 All covenants, agreements, and stipulations of this Agreement (except warranties) shall remain in full force until completion of the Project or for a period of two (2) years from the date of this Agreement, whichever occurs first. By mutual agreement, the Owner and the Contractor may extend the Agreement time.

3.5 LIQUIDATED DAMAGES

A time charge equal to Two Hundred Fifty and 00/100 Dollars (\$250.00) per calendar day will be made against the Contractor for the entire period that any part of the Work remains incomplete or any closeout requirements are not acceptably submitted for more than thirty (30) calendar days after the time specified for the Substantial Completion of the Work. The amount of which shall be deducted by the Owner, and shall be retained by the Owner, out of monies otherwise due to the Contractor in the final payment, not as a penalty, but as liquidated damages sustained.

3.6. INSURANCE

For the term of this Agreement, Contractor shall acquire and maintain in full force and effect the following liability and comprehensive insurance issued by a company licensed and qualified to do business in the State of Alabama, ***which such insurance shall be endorsed to name the City of Mobile as an additional insured***, and shall attach to this contract as proof thereof a certificate of insurance issued by an agent licensed and qualified to do business in the State of Alabama:

A. Workers' Compensation/Employer's Liability:

1. Workers' Compensation insurance in the amounts required by all applicable laws, rules or regulations of the state of Alabama and the United States of America, including the U.S. Longshore & Harbor Workers Act and the Jones Act, if applicable.
2. Employer's Liability with limits of not less than:

Bodily Injury by Accident	\$1,000,000 each accident
Bodily Injury by Disease	\$1,000,000 policy limit
Bodily Injury by Disease	\$1,000,000 each employee
3. United States Longshoreman's Harbor Worker's Act
4. Jones Act Coverage (if applicable) placed either in the Workers Compensation or through the Marine General Liability.

B. Comprehensive General Liability Insurance:

1. Comprehensive General Liability (occurrence form) including coverage for products/completed operations, independent contractors, and blanket contractual liability, specifically covering the obligations assumed by Contractor.
2. Limit of Liability: \$1,000,000 combined single limit of liability each occurrence bodily injury or property damage. /\$2,000,000 Aggregate on a "Per Project" Basis.
3. General Aggregate Limit shall apply on a "Per Project" Basis.

C. Automobile Liability Insurance:

1. Automobile Liability Insurance to cover any auto, including all owned, non-owned, and hired vehicles, with a \$1,000,000 combined single limit of liability each accident for bodily injury and/or property damage.

D. Excess/Umbrella Liability Insurance

1. Providing following form coverage for Employer's Liability, Comprehensive General Liability, and Automobile Liability.
 2. Limit of Liability: \$2,000,000 combined single limit of liability each occurrence for bodily injury and/or property damage.
- D. Builder's Risk Coverage (Property Insurance): The Contractor shall carry for the Owner, himself, and all Subcontractors a Builder's Risk Policy to cover the full amount of the Contract during construction, fabrication, or erection of any equipment.
- A. The Contractor shall purchase and maintain, in a company or companies lawfully authorized to do business in the jurisdiction in which the Project is located, property insurance written on a builder's risk "all-risk" or equivalent policy form in the amount of the initial Contract Sum, plus value of subsequent Contract Modifications and cost of materials supplied or installed by others, comprising total value for the entire Project at the site on a replacement cost basis. Such property insurance shall be maintained, unless otherwise provided in the Contract Documents or otherwise agreed in writing by all persons and entities who are beneficiaries of such insurance, until final payment has been made as provided in Section 9.10 or until no person or entity other than the Owner has an insurable interest in the property, whichever is later. This insurance shall include interests of the Owner, the Contractor, Subcontractors, Sub-subcontractors, and the Design Professionals in the Project.
 - B. Property insurance shall be on an "all-risk" or equivalent policy form and shall include, without limitation, insurance against the perils of fire (with extended coverage) and physical loss or damage including, without duplication of coverage, theft, vandalism, malicious mischief, collapse, windstorm, falsework, testing and startup, temporary buildings and debris removal including demolition occasioned by enforcement of any applicable legal requirements, and shall cover reasonable compensation for Architect's and Contractor's services and expenses required as a result of such insured loss.
 - C. If the property insurance requires deductibles, the Contractor shall pay costs not covered because of such deductibles. Deductibles shall be limited to a maximum of \$2,500.00 unless the loss is caused by windstorm; then deductible shall be a maximum of 3% of insured value.
 - D. This property insurance shall cover the full value of equipment, material, and other portions of the Work stored off the site, and also portions of the Work in transit. There shall be no limits on the value of loss per occurrence.
 - E. A "named storm" endorsement is required. The deductible shall be a maximum of 3% of insured value.

Waiver of Subrogation - All policies of insurance shall be endorsed to waive rights of subrogation in favor of City of Mobile.

Additional Insured - All policies of insurance, except those referenced under paragraph A, shall be endorsed to name City of Mobile as an Additional Insured

Primary Insurance - All policies of insurance, except those referenced under paragraph A, shall be endorsed to provide that all such insurances are primary and non-contributing with any other insurance maintained by City of Mobile.

Notice of Cancellation – Certificates shall provide that such insurance shall not be subject to cancellation, non-renewal nor material change without 30 days or more (except 10 days for non-payment) prior written notice thereof to the City of Mobile.

Certificates of Insurance – General – Within ten (10) calendar days from date of issuance of Contract forms for execution, Contractor shall deliver to the City of Mobile, certificates of insurance (standard ACORD format) certifying the existence and limits of the insurance coverages along with separate policy endorsements as described above. Contractor shall also be responsible for delivering policy renewal certificates to the City of Mobile.

If the certificate of insurance referenced in this Agreement does not evidence insurance of owned vehicles, said certificate and this sentence shall evidence the Contractor's covenant that it does not own any vehicles and that it will not purchase or obtain any vehicles during the term of this Agreement. Said certificate shall require that said insurance coverage will not be altered or terminated unless City shall have been given written notice of such alteration or termination delivered to City not less than thirty (30) days before the effective date of such alteration or termination.

- 3.7** In the event of any breach or apparent breach by Contractor of any of its obligations under the terms of this Agreement, and in the further event that City shall engage the services of an attorney to protect or to enforce its rights with respect to said breach or apparent breach, then and in those events, Contractor agrees to pay and to reimburse any and all reasonable attorneys' fees and expenses which City may incur with respect to City's enforcement of this Agreement; regardless of whether said attorneys' fees and costs shall be incurred in connection with any litigation or in connection merely with advice and representation provided without litigation.
- 3.8 INDEMNIFICATION:** The Contractor shall indemnify, defend and hold harmless City and its officers, elected officials, agents, representatives, and employees in respect of any and all claims, injuries, losses, diminution in value, damages, liabilities, whether or not currently due, and related expenses (including without limitation, settlement costs and any legal or other expenses for investigating or defending any actions or threatened actions) arising from or in connection with the contractor's performance under this agreement, including but not limited to, environmental laws, regulations, orders and decrees of whatever character or nature and damage or injury to persons or property. Contractor hereby confirms and agrees that Contractor is not a 'design professional' as defined in Alabama Act 2021-318, and not required to carry professional liability insurance for the performance or obligations of this contract.
- 3.9** This Agreement shall be governed by the laws of the State of Alabama, and the appropriate venue for any actions arising out of this Agreement shall be a court of proper jurisdiction in Mobile, Alabama.
- 3.10** Contractor shall obtain, at his own expense, all necessary licenses, inspections, permits, insurance, authorization and assurances necessary in order to abide by the terms of this Agreement. City of Mobile department permits, when required, shall be obtained by the Contractor at no cost.

3.11 Contractor, in the performance of its operations and obligations hereunder, shall not be deemed to be an agent of City but shall be deemed to be an independent Contractor in every respect and shall take all steps at its own expense, as City may from time to time request, to indicate that it is an independent Contractor. City does not and will not assume any responsibility for the means by which or the manner in which the services by Contractor provided for herein are performed, but on the contrary, Contractor shall be wholly responsible therefore.

3.12 BEST MANAGEMENT PRACTICES (BMPs): The Contractor shall be responsible for providing, implementing, and maintaining BMPs for sediment and erosion control, and all other applicable regulations, in full compliance with Local, State, and Federal Codes and Ordinances throughout the contract period. All Work shall be in accordance with the Clean Water Act, the Alabama Water Pollution Control Act, the current version of the Alabama Handbook for Erosion Control, Sediment Control and Storm Water Management on Construction Sites and Urban Areas; and the current version of the Mobile, Alabama City Code Chapter 17 Storm Water Management and Flood Control. All waste water with oils, grease, etc., shall be properly contained and disposed of.

3.13 METHOD of PAYMENT: Contractor shall provide two notarized original signature copies of invoices to the Architectural Engineering Department on a monthly basis and/or upon successful completion of service. Contractor invoices shall be provided on AIA Document G702 and AIA Document G703. Final payment shall not be processed until all required Close-out Documents are submitted to and approved by the Owner.

3.14 TERMINATION of CONTRACT: The City may terminate the contract upon thirty (30) days written notice. Notice from the City shall be mailed to the address provided by the Contractor on this form. The City shall not be liable for payment to the Contractor for lost profit or damages as the result of its termination of the contract.

3.15 LABOR AND MATERIAL PAYMENT BOND and PERFORMANCE BOND
Shall each be for one hundred percent (100%) of the Contract Price if the Contract Price is greater than \$10,000.00.

1. Cost of the bonds shall be included in the bid.
2. Bond shall be submitted with the executed agreement on provided form(s).
3. Power of Attorney is required for both bonds.
4. A Surety authorized to do business in the State of Alabama shall furnish both bonds.
5. A Surety licensed to do business in the State of Alabama must execute the bonds.

3.16 RETAINAGE
For each progress payment made prior to Substantial Completion of the Work, the Owner may withhold the following amount, as retainage, from the payment otherwise due:
Five percent (5%) of the first fifty percent (50%) of the completed work and after fifty percent (50%) completion has been accomplished, no further retainage shall be held from the original Contract Sum. Increases in the contract sum by Change Order shall also be subject to retainage.
The net amount of the Retainage shall be equal to two- and one-half percent (2.5%) of the total Contract Sum, as increased or decreased by Change Order.

3.17 PROOF OF ADVERTISEMENT of COMPLETION

(a) Contractor shall provide proof of publication of Notice of Completion in a locally published newspaper of general circulation, in accordance with Title 39, Section 39-1-1 of the Code of Alabama. For final Contract Sums less than Fifty Thousand and 00/100 Dollars (\$50,000.00), the Contractor shall also provide, at the same time notice is sent to the newspaper, an electronic or hard copy of notice verbiage on Contractor letterhead to the City of Mobile for public posting for one week. This Notice of Completion shall not begin until the project has been accepted by the City of Mobile.

(b) Notice of Completion advertisement shall read as follows:

STATE OF ALABAMA
COUNTY OF MOBILE
NOTICE OF COMPLETION

In accordance with Chapter I, Title 39, Code of Alabama, 1975, NOTICE IS HEREBY given that (*Company*) has completed the contract for Government Plaza - Permitting, Inspections & Zoning Departments Breakroom Remodeling, 205 Government Street, Mobile, Alabama 36602, AD-003-22. All persons having any claim for labor, material or otherwise in connection with this project should immediately notify the Architectural Engineering Department, City of Mobile, P. O. Box 1827, Mobile, AL 36633-1827.

3.18 CONTRACTOR WARRANTY and CERTIFICATION

- A. Upon completion of the contract the Contractor shall certify under oath that all bills have been paid in full.
- B. In addition to manufacturer warranties required by the Bid Documents, Contractor shall provide a one (1) year Labor and Materials Warranty on company letterhead at completion of the Contract.

4.0 CONTRACT DOCUMENTS

- A. The contract documents consist of this Agreement, the Request for Quotes documents, Exhibit "A" Scope of Work, Addenda issued prior to the execution of the Contract, other documents listed in this Agreement, and Modifications issued after the execution of this Agreement, all of which form the Contract, and are fully a part of the Contract as if attached to this Agreement or repeated herein. The contract documents are intended to agree, and if clarification of a conflict has not been made via Addendum, then the most restrictive or costly interpretation by the Director of Real Estate Asset Management will apply.
- B. An enumeration of the Contract Documents, other than a Modification, appears below:
 - 1. Request for Quotes documents, dated August 14, 2022, as prepared by the City of Mobile Architectural Engineering Department.
 - 2. Addendum No ____, dated _____, Addendum No ____, dated _____; Addendum No _____, dated _____, etc.
 - 3. E-Verify Documentation;
 - 4. Certificate of Insurance with endorsements; and
 - 5. This Instrument (Agreement).

5.0 DISPUTE RESOLUTION

Claims, disputes or other matters in question between the parties to this Agreement arising out of or relating to the Agreement or breach thereof shall be subject to legal proceedings unless the parties mutually agree otherwise.

6.0 FORCE MAJEURE

In the event that either party hereto shall be delayed or hindered in or prevented from the performance of any act required hereunder by reason of strikes, lockouts, labor troubles, inability to procure materials, failure of power, restrictive governmental laws or regulations, riots, insurrection, war, Act of God, or other reason of a like nature not the fault of the party delayed in performing work or doing acts required under the terms of this Agreement, then performance of such act shall be excused for the period of the delay and the period for the performance of any such act shall be extended for a period equivalent to the period of such delay.

7.0 NONDISCRIMINATION

A. Contractor shall comply with all Federal, State and local laws concerning nondiscrimination, including but not limited to City of Mobile Ordinance No. 14-034 which requires, *inter alia*, that all contractors performing work for the City of Mobile not discriminate on the basis of race, creed, color, national origin or disability, require that all subcontractors they engage do the same, and make every reasonable effort to assure that fifteen percent of the work performed under contract be awarded to socially and economically disadvantaged individuals and business entities.

B. Contractor shall abide by provisions of Mobile Ordinance No. 02-050 which prohibits discrimination in employment by Contractors and Subcontractors performing work for the City of Mobile.

8.0 NON-ASSIGNMENT: Neither this Agreement nor any rights under this Agreement may be assigned, by any party, without the prior written consent of the other party.

9.0 SEVERABILITY CLAUSE

In case any one or more of the provisions contained in this Agreement shall for any reason be held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provisions of this Agreement, but this Agreement shall be construed as if such invalid or illegal or unenforceable provision had never been contained herein. Upon such determination that any term or other provision is invalid, illegal or unenforceable, the court or other tribunal making such determination is authorized and instructed to modify this Agreement so as to effect the original intent of the parties as closely as possible so that the transactions and agreements contemplated herein are consummated as originally contemplated to the fullest extent possible.

10.0 IMMIGRATION LAWS

By signing this contract, the contracting parties affirm, for the duration of the agreement, that they will not violate federal immigration law or knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama. Furthermore, a

contracting party found to be in violation of this provision shall be deemed in breach of the agreement and shall be responsible for all damages resulting therefrom.

11.0 Public Contracts with Entities in Certain Boycott Activities

By signing this contract, the Contractor further represents and agrees that it is not currently engaged in, nor will it engage in, any boycott of a person or entity based in or doing business with a jurisdiction with which the State of Alabama can enjoy open trade.

REMAINDER OF PAGE INTENTIONALLY LEFT BLANK

This Agreement entered into as of the day and year first written above.

Legal Name of Party to Contract:
CONTRACTOR:

By Signature

Printed Name and Title

ATTEST: City of Mobile

City Clerk

Before me, the undersigned a Notary Public in and for said County and State, personally appeared

_____ as _____ of _____ and after being duly sworn, did depose and say that he, as such officer and with full authority, signed the above and foregoing voluntarily as the act of said corporation on the day the same bears date.

Sworn to and subscribed for me this _____ day of _____, 20_____.

My Commission Expires: _____

EXHIBIT 3

City of Mobile Insurance Requirements for Contractor

On or before the inception of this Agreement, and annually thereafter for the duration of this Agreement (or longer if stated otherwise), Contractor and/or any subcontractors shall maintain the following insurance policies on a primary and non-contributing basis.

Workers' Compensation/Employer's Liability:

Regardless of any "minimum requirements" of the State of Alabama, Contractor shall obtain Workers' Compensation insurance covering all workers involved in the Project. Where applicable, U.S. Longshore and Harborworkers Compensation Act Endorsement and/or Maritime Coverage Endorsement shall be attached to the policy. Contractor shall also obtain Employer's Liability insurance with minimum limits of \$1,000,000 each accident, \$1,000,000 disease limits, and \$1,000,000 each employee.

Commercial General Liability:

Contractor shall also obtain Commercial General Liability coverage with the following minimums:

- \$1,000,000 each occurrence (combined single limit for bodily injury and property damage)
- \$2,000,000 Products/Completed Operations aggregate
- \$1,000,000 Personal and Advertising Injury per person/organization
- \$2,000,000 general aggregate per project

Automobile Liability:

Contractor shall also obtain a minimum of \$1,000,000 combined single limit coverage per accident, including owned, hired and non-owned automobiles. *(If Contractor does not own an automobile, but one is used in the execution of the contract, then only "hired and non-owned coverage" is required. If a vehicle is not used in the execution of the contract, then automobile coverage is not required.)*

Commercial Umbrella Liability:

Contractor shall also obtain Umbrella Liability over and above the limits of liability required in the Employers Liability, General Liability, Automobile Liability, and Professional Error and Omissions *(if required)* policies. The Umbrella coverage form will be at least as broad as the underlying policies. The Additional Insureds requirements of underlying policies shall also be met by the Umbrella. The Umbrella limits shall be sufficient so that the sum of the underlying and Umbrella limits shall be at least \$3,000,000 per line of coverage.

Certificates of Insurance

Contractor and/or any Subcontractor shall provide City of Mobile with valid certificates of insurance within ten (10) days from the date of issuance of contract forms for execution verifying said insurance requirements have been met. Attached to each certificate of insurance, shall be a copy of the Additional Insured Endorsement that is part of the Contractor/Subcontractor's Commercial General Liability Policy. Policies must be issued by companies with an A.M. Best rating of A-VII or better. All deductibles or Self-Insured Retentions for each policy shall not exceed \$5,000 unless otherwise indicated by City of Mobile. The Description section of the Certificate shall contain reference to the Project name. The Contractor shall ensure that each Subcontractor complies with the terms of this Section.

Additional Insureds

These liability policies shall endorse City of Mobile as an **Additional Insured**. Coverage for City of Mobile and their officers, directors and employees as additional insureds shall be provided by a policy provision or by an endorsement providing coverage at least as broad as Insurance Service Office (ISO) Additional Insured endorsement from CG2010 1185 Form B, or CG2010 1001 in conjunction with CG2037 1001, or an equivalent form that provides Additional Insured status for Products and Completed Operations. Forms that are limited to "liability arising out of your ongoing operations" or that do not extend to Products and Completed Operations are not acceptable. Should a separate excess and/or umbrella liability policy be used to satisfy the above required limits, said policy will also be endorsed to include the contractor, owner et al. as an additional insured. Additionally, Contractor agrees to continue to procure and maintain liability insurance coverage meeting these requirements for the statutory limitation of claims (or statute of repose, if applicable) after the Project completion.

The policies shall be endorsed to stipulate that the insurance afforded the additional insureds shall apply as primary insurance and that any other insurance or self-insurance maintained by City of Mobile shall be excess only and shall not be called upon to contribute with this insurance. A copy of each endorsement shall be attached to the Certificate of Insurance. The Certificate shall indicate the Certificate Holder as:

City of Mobile
P.O. Box 1827
Mobile, AL 36633

Insurance Requirements for Sub-subcontractors

Contractor shall ensure that its subcontractors of any tier shall procure and maintain insurance that complies with the requirements set forth in this Attachment A, including the additional insured, primary and non-contributory and waiver of subrogation requirements. Copies of the certificate(s) must be provided prior to the sub-subcontractors entering the site.

Cancellation

Each policy shall be endorsed to provide that the insurance company agrees that the policy shall not be modified, canceled, changed, allowed to lapse, or expire for any reason without at least thirty (30) days written notice to City of Mobile. Not less than two (2) weeks prior to the expiration, cancellation, or termination of any such policy, the Contractor/Subcontractor shall supply City of Mobile with a new and replacement certificate of insurance and Additional Insured endorsement as proof of renewal of said original policy. Said new and replacement endorsements shall be similarly endorsed in favor of City of Mobile and City of Mobile's parties as set forth above.

Waiver of Subrogation

Contractor shall waive its right to subrogation on each of the policies herein. If any of the policies do not permit the insured to enter into a pre-loss waiver, or voids coverage because of same, then this Waiver of Subrogation requirement shall not apply and Contractor shall obtain a Waiver of Transfer of Rights of Recovery Against Others, or its equivalent.

Insurance required by this Agreement shall be as broad as necessary to support the indemnification requirement in said contract or as broad as the indemnitor's insurance coverage, whichever is broader.

Optional Insurance Requirements Based on Project

Installation Floater:

Contractor shall obtain an Installation Floater to cover that portion of the work to be installed, altered, or repaired by Contractor. The Installation Floater policy must include "coverage for the fixtures, materials, supplies, machinery and equipment used in or incidental to the construction project as well as property kept off-site or while in transit." Coverage must also include property of others in the Contractor's care, custody, or control. In addition to Contractor, the Owner shall be named as additional insured on the policy with coverage extending through the final completion date.

Limits for Service Vendors

Vendor Services	PRIMARY GL Limits	Auto Liability	WC + EL Coverage	Min. Umbrella Liability	Comments
Tier I / Low Risk					
Appliances-Service, Leasing, Refinish	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Auto Detailing	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Bathtubs, Sinks - Repair / Refinish	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Beverage Suppliers w/on-site delivery	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Cabinets - Installation	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Carpet Cleaning/Extraction	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Caterers	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Cleaning Contractor	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Computer Designers, Repair, Install	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	Professional Liability
Concierge, Valet Service	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Copy Machines Service	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	Professional Liability
Criminal Record Search	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Disc Jockeys	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Drapery & Curtain Cleaning, Installation	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Employment / Temporary	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Entertainers, Musicians, Promoters, etc	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Fence Contractors	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
First Aid/Occ Health & Safety Supply-On Site Delivery	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Fitness Center Equipment Service	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Framing, Mounting Pictures, Maps, etc..	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Fundraising	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Furniture - Repair, Refinish	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Glass sales, installation, repair, coating & tinting	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Golf Carts - Repair and Maintenance	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Interior Designers and Decorators	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Junk Removal	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Leasing Services	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Lightbulb Replacement	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Locks and Locksmiths	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Mailbox installation	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Mystery Shopper	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Painting, Wallcovering Installation	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Pool/Spa Service	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	Professional Liability
Vending Machines	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Window/Glass Repairs	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Tier II / Moderate Risk					
A/C Equipment & Systems Contractors	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Adjusters	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	Professional Liability
Acquarium/Fish Tank Installation	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Air Duct Cleaning	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Architects	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	Professional Liability
Awnings & Canopies Repair & Service	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Back Flow Prevention	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Basketball courts - Construction, Repair	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Boilers - Repairing and Cleaning	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Building - Developers and Contractors	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Building Inspection Service	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	Professional Liability
Building Maintenance	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Cable	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Carnival Companies and/or Ride Operators	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Chimney Cleaning	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Communication equipment installation, service, repair	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Concrete and Asphalt Repairs	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	Use judgment based on project size and exposure
Cooling Tower-Repair & Replace	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Courtesy Patrol - Unarmed Foot or Drive	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Drainage Contractors	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Drywall Contractors	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Electrical P/M, Repairs	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Engineer - All Types	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	Professional Liability
Environmental Consulting Services	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	Professional Liability
Erosion Control	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Excavating Contractors	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Exterior cleaning or resurfacing	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Fire / Life-Safety System P/M, Testing	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	Professional Liability
Flooring / Carpeting Installation	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Foundation - Contractors or Repair	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Freight Only	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Fuel-Oil, Gas, Butane Propane	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
Garage Management, Maintenance	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	Must also include Garagekeepers Legal liability
Gates-intallation, repair, maintenance	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	
General Contractors	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	depending on size of project
Gutters and Downspouts	\$1M/\$2M	\$1,000,000	Statutory	\$2,000,000	

Limits for Service Vendors

Vendor Services	PRIMARY GL Limits	Auto Liability	WC + EL Coverage	Requested min. XS Liability	Comments
Handrails	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
HVAC - Other P/M, Repairs	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Insulation Contractors	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Landscaping and Irrigation Repairs	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Laundry Service-Repair & Maintenance	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Lift Station Maintenance	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Masonry	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Mechanical	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Movers	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Odor Control	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Outdoor Fireplace or BBQ installation	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Parking Lot Striping	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Parking Lot - Patching / Re-Paving	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	Use judgment based on project size and
Pest Control	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	Professional Liability & Pollution Liability
Pile Driving	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Plumbing Repairs/Installation	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Pond/Lake Service	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Roof Repairs	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Safety Consultants	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	Professional Liability
Sewer and Water Main-Installation or Repair	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	Professional Liability & Pollution Liability
Sidewalk Repair	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Siding Contractors	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Signage Installation / Repairs	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Snow Removal	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	Use judgment based on size of contract
Sprinkler Installation or Repair	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	Professional Liability
Trash Removal / Recycling	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	Pollution Liability
Trusses / Construction	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Utility contractor / Not underground	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	Professional Liability
Warehouse Supplier	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Walls - Retaining Walls	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Waste Reduction/Disposal/Recycle	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Water Heater Repair	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Waterproofing Contractors	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Welding Contractors	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Window washer - 5 Floors & Below	\$1M /\$2M	\$1,000,000	Statutory	\$2,000,000	
Tier III / High Risk					
Asbestos Abatement	\$1M/\$2M	\$1,000,000	Statutory	\$5,000,000	Professional Liability & Pollution Liability
Blasting and Demolition Contractors	\$1M/\$2M	\$1,000,000	Statutory	\$10,000,000	Professional Liability
Crime Scene Clean Up Services	\$1M/\$2M	\$1,000,000	Statutory	\$5,000,000	Professional Liability
Elevator Maintenance, Testing	\$1M/\$2M	\$1,000,000	Statutory	\$10,000,000 +	
Fire protection equipment installation, service, repair	\$1M/\$2M	\$1,000,000	Statutory	\$5,000,000	
General Contractors	\$1M/\$2M	\$1,000,000	Statutory	\$5,000,000	Contracts exceeding \$1M
Hazardous Material Handling and Cleanup	\$1M/\$2M	\$1,000,000	Statutory	\$5,000,000	Professional Liability & Pollution Liability
Lead Abatement	\$1M/\$2M	\$1,000,000	Statutory	\$5,000,000	Professional Liability & Pollution Liability
Mold Abatement	\$1M/\$2M	\$1,000,000	Statutory	\$5,000,000	Professional liability & Pollution Liability
Overhead Equipment (cranes, hoists)	\$1M/\$2M	\$1,000,000	Statutory	\$5,000,000	
Painting Exterior	\$1M/\$2M	\$1,000,000	Statutory	\$5,000,000	
Roof Replacement	\$1M/\$2M	\$1,000,000	Statutory	\$5,000,000	
Scaffolding	\$1M/\$2M	\$1,000,000	Statutory	\$5,000,000	
Security Guard Service	\$1M/\$2M	\$1,000,000	Statutory	\$5,000,000	Professional Liability
Steam boiler installation, service, repair	\$1M/\$2M	\$1,000,000	Statutory	\$5,000,000	
Traffic Control / Signal Installation	\$1M/\$2M	\$1,000,000	Statutory	\$5,000,000	
Underground or Building gas, petrol, storage tank/line installation, service, repair, testing	\$1M/\$2M	\$1,000,000	Statutory	\$5,000,000	Professional Liability & Pollution Liability
Window washer - 5 Floors & Above	\$1M/\$2M	\$1,000,000	Statutory	\$5,000,000	

EXHIBIT 4

**CITY OF MOBILE, AL
VENDOR INFORMATION FORM**

Company Information:

1. City Vendor Number:

2. Name of Company:

3. Company D.B.A. Name, if any:

4. Mailing Address:

5. Remittance Address:

6. Telephone:

7. Fax

8. Main Email:

Primary Contact:

9. Contact Name and Title:

10. Contact Phone:

11. Contact Fax:

12. Contact Email:

Alternate Contact (if applicable):

13. Alt. Contact Name and Title:

14. Alt. Contact Phone:

15. Alt. Contact Fax:

16. Alt. Contact Email:

City of Mobile Business License Information:

17. City of Mobile Business License No. (if required):

Please attach additional sheets if necessary.

Request for Taxpayer Identification Number and Certification

Give Form to the
requester. Do not
send to the IRS.

Print or type
See Specific Instructions on page 2.

Name (as shown on your income tax return)

Business name/disregarded entity name, if different from above

Check appropriate box for federal tax classification:

☐ Individual/sole proprietor ☐ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶

☐ Other (see instructions) ▶

☐ Exempt payee

Address (number, street, and apt. or suite no.)

Requester's name and address (optional)

City, state, and ZIP code

List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number

				-			-				
--	--	--	--	---	--	--	---	--	--	--	--

Employer identification number

				-							
--	--	--	--	---	--	--	--	--	--	--	--

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. citizen or other U.S. person (defined below).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 4.

Sign
Here

Signature of
U.S. person ▶

Date ▶

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

**AIA®****Document G706™ – 1994****Contractor's Affidavit of Payment of Debts and Claims**PROJECT: *(Name and address)*

ARCHITECT'S PROJECT NUMBER:

OWNER: ☐ARCHITECT: ☐CONTRACTOR: ☐SURETY: ☐OTHER: ☐TO OWNER: *(Name and address)*

CONTRACT FOR: General Construction

CONTRACT DATED:

STATE OF:

COUNTY OF:

The undersigned hereby certifies that, except as listed below, payment has been made in full and all obligations have otherwise been satisfied for all materials and equipment furnished, for all work, labor, and services performed, and for all known indebtedness and claims against the Contractor for damages arising in any manner in connection with the performance of the Contract referenced above for which the Owner or Owner's property might in any way be held responsible or encumbered.

EXCEPTIONS:**SUPPORTING DOCUMENTS ATTACHED HERETO:**

- Consent of Surety to Final Payment. Whenever Surety is involved, Consent of Surety is required. AIA Document G707, Consent of Surety, may be used for this purpose

Indicate Attachment ☐ Yes ☒ No**CONTRACTOR:** *(Name and address)*

BY:

*(Signature of authorized representative)**(Printed name and title)*

The following supporting documents should be attached hereto if required by the Owner:

- Contractor's Release or Waiver of Liens, conditional upon receipt of final payment.
- Separate Releases or Waivers of Liens from Subcontractors and material and equipment suppliers, to the extent required by the Owner, accompanied by a list thereof.
- Contractor's Affidavit of Release of Liens (AIA Document G706A).

Subscribed and sworn to before me on this date:

Notary Public:

My Commission Expires:



AIA[®] Document G706A[™] – 1994

Contractor's Affidavit of Release of Liens

PROJECT: <i>(Name and address)</i>	ARCHITECT'S PROJECT NUMBER:	OWNER: ☐
	CONTRACT FOR: General Construction	ARCHITECT: ☐
TO OWNER: <i>(Name and address)</i>	CONTRACT DATED:	CONTRACTOR: ☐
		SURETY: ☐
		OTHER: ☐

STATE OF:
COUNTY OF:

The undersigned hereby certifies that to the best of the undersigned's knowledge, information and belief, except as listed below, the Releases or Waivers of Lien attached hereto include the Contractor, all Subcontractors, all suppliers of materials and equipment, and all performers of Work, labor or services who have or may have liens or encumbrances or the right to assert liens or encumbrances against any property of the Owner arising in any manner out of the performance of the Contract referenced above.

EXCEPTIONS:

SUPPORTING DOCUMENTS ATTACHED HERETO:

1. Contractor's Release or Waiver of Liens, conditional upon receipt of final payment.
2. Separate Releases or Waivers of Liens from Subcontractors and material and equipment suppliers, to the extent required by the Owner, accompanied by a list thereof.

CONTRACTOR: *(Name and address)*

BY:

(Signature of authorized representative)

(Printed name and title)

Subscribed and sworn to before me on this date:

Notary Public:

My Commission Expires:



AIA[®] Document G707[™] – 1994

Consent Of Surety to Final Payment

PROJECT: *(Name and address)*

ARCHITECT'S PROJECT NUMBER:

OWNER: ☐

CONTRACT FOR: General Construction

ARCHITECT: ☐

TO OWNER: *(Name and address)*

CONTRACT DATED:

CONTRACTOR: ☐

SURETY: ☐

OTHER: ☐

In accordance with the provisions of the Contract between the Owner and the Contractor as indicated above, the
(Insert name and address of Surety)

on bond of
(Insert name and address of Contractor)

, SURETY,

hereby approves of the final payment to the Contractor, and agrees that final payment to the Contractor shall not relieve the
Surety of any of its obligations to
(Insert name and address of Owner)

, CONTRACTOR,

as set forth in said Surety's bond.

, OWNER,

IN WITNESS WHEREOF, the Surety has hereunto set its hand on this date:
(Insert in writing the month followed by the numeric date and year.)

(Surety)

(Signature of authorized representative)

Attest:
(Seal):

(Printed name and title)



City of Mobile
Office of Supplier Diversity

**REQUEST FOR WAIVER OF DISADVANTAGED BUSINESS
ENTERPRISE (DBE) GOAL**

Bid/RFP/P.O./Solicitation/Other# AD-059-22

Current Date 5 / 2 / 22

Project Description Provision and installation of ADA interior signage for the Mayor's office

By City of Mobile Department/ Division/ Office/Unattached Board

I hereby request that the DBE participation goal, pursuant to Ordinance of the City Charter and Policy, be waived on the above-referenced project for the following reason(s):
Please attached any supporting documentation.

Provision and installation of ADA interior signage for the 10th Floor.

We are requesting the waiver because of the limited SOW of the project and estimated project cost
to be less than \$15K.

Beatriz Jordan (on behalf of Cassie Boatwright)

Requested By (Department Director)

(Signature)

Architectural Engineer
(Title)

May 2, 2022
(Date)

251 208 7878

Telephone Number

beatriz.jordan@cityofmobile.org
Email Address

Archiberto Kidd

Reviewed By (Office of Supplier Diversity)

(Signature)

Supplier Diversity
(Title)

5/2/2022
(Date)

Approved By (CAO)

SECTION 00700
GENERAL CONDITIONS of the AGREEMENT

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Contract Work, Notice to Proceed, Construction Schedule, Payments, Retainage/Final Payment, Termination, Submittals, Bonds, Licenses, and Insurance

1.2 CONTRACT WORK

- A. Contractor shall supply labor, materials, supplies, tools and all other items to complete the work specified in the Construction Documents. Unless otherwise specified, all work shall be performed by Contractor. Unless otherwise specified, all materials shall be new.

1.3 NOTICE TO PROCEED, CONSTRUCTION SCHEDULE AND RAIN DAYS

- A. Work shall commence on the date specified in the Notice to Proceed. Contract Time shall also commence on the date specified in the Notice to Proceed.
- B. In order to coordinate the Contractor's work schedule with the Owner, within five (5) calendar days of the bid opening, the Apparent Low Bidder Contractor shall meet with the Owner to discuss scope and Owner scheduling and priorities. The Apparent Low Bidder shall then provide a proposed construction schedule within five (5) calendar days of the initial meeting for Owner review and approval.
- C. It is unlikely that the Contractor will be allowed additional construction days due to inclement conditions ("rain days"), because of the critical completion date of the project. However, the Contractor may submit such requests, but only as such are appropriately documented and are in excess of the NOAA/National Weather Service average (previous 5 years) for the given month. A "rain day" is defined as more than a "trace" (0.10") of rain falling within a given 24 hour period. Contractor is to submit requested rain days, in writing, within ten (10) calendar days of rain event. Do not wait for the end of the project to submit rain days.

1.4 PAYMENTS

- A. For Payment(s), each month until project completion, submit two (2) notarized signature originals of the Application and Certificate for Payment, on AIA Documents G702 and G703. (Electronic forms will be provided by City of Mobile Architectural Engineering Department upon request of the Contractor.) Each Pay Application shall be based on the most recent schedule of values submitted by the Contractor. The schedule of values shall allocate the entire Contract Sum among the various portions of the Work, and shall form the basis for review and approval of the Contractor's Application for Payment. The amount of progress payments may be reduced by 1.) amounts previously paid by Owner, 2.) uncorrected Work, 3.) non-payment of sub-contractor, 4.) defects discovered since last pay

application, 5.) retainage. Prior to Substantial Completion of the Work, the Owner will hold Retainage from the payment otherwise due as follows: Five percent (5%) of the first fifty (50%) of the completed work and after fifty percent (50%) completion has been accomplished, no further retainage shall be held from the original Contract Sum. Increases in contract sum by Change Order shall also be subject to retainage. The net amount of the Retainage shall be equal to two and one half percent (2.5%) of the total Contract Sum, as increased or decreased by Change Order.

- B. At Substantial Completion of the project, the Contractor shall publish a "Notice of Final Completion" of the contract in a locally published newspaper of general circulation, in accordance with Code of Alabama, Title 39, Section 39-1-1. For final Contract Sums less than fifty thousand dollars (\$50,000.00), the Contractor shall also provide an electronic or hard copy of the Notice verbiage, on company letterhead, to the Project Manager at the same time the Notice is submitted to the newspaper. Within five working days after publication, the Contractor shall provide an original notarized proof of publication to the Project Manager.

1.5 RETAINAGE/FINAL PAYMENT

- A. Final payment will be made in full (less 2.5 percent (%) retainage) after final inspection and upon satisfactory completion of the work. Retainage to be paid after the Contractor complies with requirements for submission of proof of advertisement, consent of surety, certificates of no Liens and other specified close out requirements and their approval by the Owner, and in accordance with Code of Alabama, Title 39, Section 39-1-1 final payment wait times.

1.6 TERMINATION

- A. The Owner may end this Agreement should the other party fail to perform in accordance with the terms of this Agreement. The owner shall make written notice of such termination to the other party, specifying the effective date thereof not less than ten days before the effective date of such termination.
- B. The Owner may end this Agreement for convenience and without cause upon written notice of such termination to the Contractor, specifying the effective date thereof not less than ten days before the effective date of such termination, as of the effective date of such termination.
- C. In case of termination not the fault of the Contractor, the Contractor shall be entitled to receive just and equitable compensation for Services completed.

1.7 SUBMITTALS

- A. Make and deliver all submittals required by the Owner/Project Manager in a timely manner. Submittals required may include but are not limited to post bid submittals, roster of subcontractors, construction schedule, shop drawings, product data, change order proposals, payment requests, schedules of value, consents of

surety, affidavits of payment for labor and materials, samples, mockups, proof of advertisement of completion and warranties, as well as completion of punch list items.

1.8 BONDS

- A. The Contractor will be required to provide a Performance Bond and a Labor and Material Payment Bond for one hundred percent (100%) of the amount of Contract, and both Bonds shall be made by a Surety company acceptable to the Owner. Both Bonds are required for all Contracts of \$10,000 or more.
- B. The cost of all bonds shall be included in the Bid and shall be required only of the successful Bidder when the contract terms are provided to the Contractor for execution. Power of Attorney is required for both bonds.
- C. The bonds must be issued by a Surety licensed to do business in the State of Alabama. If the bid price exceeds \$50,000 have a minimum rating of A/Class VI as reported in the latest issue of Best's Key Rating Guide Property-Casualty, published by Alfred M. Best Company, Inc.
- D. Power of Attorney is required for all Bonds.
- E. The Surety company shall be required to execute AIA Document G-707, "Consent of Surety to Final Payment" prior to Final Payment of retainage being made to the Contractor.

1.9 INSURANCE

- A. The Contractor shall purchase and maintain during the life of this Agreement insurance from a company that is lawfully authorized to do business in the State of Alabama.
- B. The Contractor shall furnish the Owner with an original executed "Certificate of Insurance" with the Owner identified as an additional insured and endorsed. Also required is a provision that coverages afforded under the policies will not be cancelled or allowed to expire until at least 30 days prior written notice has been given to the Owner.
- C. The company providing coverage and listed as the "Companies Affording Coverage" on the Certificate shall be authorized and licensed by Alabama's Secretary of State, Department of Insurance Division to do business in the State of Alabama.
- D. A licensed Resident Agent of Alabama shall sign or counter sign the Original Certificate of Insurance that is produced out of the State of Alabama. Type the Resident Agent's name, current address and telephone number on the face of the Certificate.
- E. Coverage's shall be written on an occurrence basis and shall be maintained without interruption for the duration of this contract.
- F. Insurance required shall be written for limits of liability not less than the following or required by law, whichever coverage is greater.

1. Workers' Compensation/Employer's Liability
 - a. Workers' Compensation insurance in the amounts required by all applicable laws, rules or regulations of the state in which the Work is performed.
 - b. Employer's Liability with limits of not less than:

Bodily Injury by Accident	-	\$1,000,000 each accident
Bodily Injury by Disease	-	\$1,000,000 policy limit
Bodily Injury by Disease		\$1,000,000 each employee
 - c. Borrowed Servant/Alternate Employer endorsement in favor of City of Mobile.
2. Comprehensive General Liability Insurance
 - a. Comprehensive General Liability (occurrence form) including coverage for products/completed operations, independent contractors, blanket contractual liability specifically covering the obligations assumed by Contractor.
 - b. Limit of Liability: \$1,000,000 combined single limit of liability each occurrence bodily injury and/or property damage.
 - c. General Aggregate Limit shall apply on a "Per Project" basis.
3. Automobile Liability Insurance

Automobile Liability Insurance to cover all owned, hired and non-owned vehicles with a \$1,000,000 combined single limit of liability each accident for bodily injury and/or property damage.
4. Excess/Umbrella Liability Insurance
 - a. Providing following form coverage for Employer's Liability, Comprehensive General Liability, and Automobile Liability.
 - b. Limit of Liability: \$2,000,000 combined single limit of liability each occurrence for bodily injury and/or property damage.
- G. Waiver of Subrogation - All policies of insurance shall be endorsed to waive rights of subrogation in favor of City of Mobile.
- H. Additional Insured - All policies of insurance shall be endorsed in favor of the City of Mobile as an additional Insured.
- I. Primary Insurance

All policies of insurance, except Worker's Compensation, shall be endorsed to provide that all such insurances are primary and non-contributing with any other insurance maintained by the City of Mobile.

J. Notice of Cancellation

Certificates shall provide that such insurance shall not be subject to cancellation, non-renewal nor material change without 30 days or more (except 10 days for non-payment) prior written notice thereof to the City of Mobile.

K. Certificates of Insurance - General

Within ten (10) calendar days from the date of issuance of Contract forms for execution, Contractor shall deliver to the City of Mobile, certificates of insurance (standard ACORD format) certifying the existence and limits of the insurance coverage's along with separate policy endorsements as described above. Contractor shall also be responsible for delivering policy renewal certificates to the City of Mobile.

L. Explosion and Collapse Hazard: ☐ Included ☒ Not Applicable.

M. Underground Hazard: ☐ Included ☒ Not Applicable.

N. Builder's Risk Coverage.

The Contractor shall carry for the Owner, himself, and all Subcontractors a Builder's Risk to cover the full amount of the Contract during construction, fabrication or erection of any equipment. Such coverage shall be written on "All Risk" basis with the policy form submitted to the Owner prior to the beginning of the Work.

1.10 BUILDING PERMITS

- A. The Contractor shall obtain all permits, as required, from the City of Mobile. Such permits shall be obtained at no cost to the Contractor.
- B. The Contractor shall ensure that Building and Engineering Inspections are performed in accordance with the City of Mobile Regulations.

END OF SECTION

SECTION 01010

SUMMARY OF THE WORK

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Summary of Work: Contract, contractor use of premises.
- B. Contract Considerations: Contingency allowance, schedule of values, applications for payment, change procedures, alternates.
- C. Coordination and Meetings: Coordination, field engineering, cutting and patching, meetings, progress meetings, examination, preparation.
- D. Submittals: Submittal procedures, construction progress schedules, proposed products list, shop drawings, product data, samples, manufacturers' installation instructions, manufacturers' certificates.
- E. Quality Control: Quality assurance - control of installation, Tolerances, References, Mock-ups, Manufacturers' field services and reports.
- F. Construction Facilities and Temporary Controls: Electricity, temporary lighting for construction purposes, heat, temporary ventilation, telephone service, water service, temporary sanitary facilities, barriers and fencing, exterior enclosures, protection of installed work, security, access roads, parking, progress cleaning and waste removal, project identification, field offices and sheds, removal of utilities, facilities, and controls.
- G. Material and Equipment: Products, transportation, handling, storage, and protection, products options, substitutions.
- H. Contract Closeout: Contract closeout procedures, final cleaning, adjusting, project record documents, operation and maintenance data, spare parts and maintenance materials, warranties.

1.2 CONTRACT

- A. Summary of Work:
Base Quote: Include the furnishing of all labor, materials, tools and equipment necessary to remodel Permitting / Inspections and Zoning Departments Breakroom areas as outlined in this RFQ document.

For the Permitting / Inspections Department Breakroom, temporarily store dining set, kitchen appliances, ice maker and refrigerator in a location indicated by the project manager, remove existing faucet, sink, countertop, top and bottom cabinets

and provide and install new faucet, solid surface countertop and backsplash with integrated sink and top and bottom cabinets according to drawings and specifications.

For the Zoning Department Breakroom, temporarily store dining set, cabinet, kitchen appliances and refrigerator in a location indicated by the project manager, and install new top and bottom cabinets and solid surface countertop.

Contractors wishing to Quote this Work shall be pre-approved in accordance with attached pre-approval procedure.

- B. Contract Description: Stipulated sum.

1.3 CONTRACTOR USE OF PREMISES

- A. Limit use of premises to allow continued Owner occupancy. All facilities shall remain in use except the immediate work area for this project. Obey all Facility Regulations and coordinate access and schedule of work with Project Manager.

1.4 CONTINGENCY ALLOWANCE

- A. Include in the Contract the stipulated amount for use upon Owner's instruction.
- B. Contractor's costs for products, delivery, installation, labor, insurance, payroll, taxes, bonding, equipment rental, overhead and profit are included in Change or Field Orders authorizing expenditure of funds from this Contingency Allowance.

1.5 SCHEDULE OF VALUES

- A. Submit Schedule of Values on AIA Form G703 within five (5) calendar days of notification of project award.

1.6 APPLICATIONS FOR PAYMENT

- A. Submit two signed and notarized originals of each application on AIA Form G702 and AIA Form G703. Submit Lien Release Waivers, including from subcontractors and major suppliers, with each pay application.
- B. Content and Format: Utilize Schedule of Values, AIA Form G703, for listing items in Application for Payment.
- C. Payment Period: Monthly, except for final payment of retainage after all Close Out documents are submitted and approved.

1.7 CHANGE ORDER PROCEDURES

- A. All contract changes involving a change in scope, payment and/or time shall be made by change order.
- B. Stipulated Sum/Price Change Order: Based on Proposal Request and Contractor's fixed price quotation or Contractor's request for a Change Order as approved by Owner.

1.9 COORDINATION

- A. Coordinate scheduling, submittals, and Work at the facility to ensure an efficient and orderly sequence and to facilitate the continued uninterrupted use of the Facility.
- B. Request Utility interruptions at least 72 hours in advance. Note that due to scheduling in the facility, utility interruptions must be approved.

1.10 FIELD ENGINEERING

- A. Establish elevations, lines, and levels and certify that elevations and locations of the Work conform to the Contract Documents. Verify existing conditions.
- B. Contractor shall field verify all measurements and quantities required for a complete installation.

1.11 PRECONSTRUCTION MEETINGS

- A. Owner will schedule a pre-construction meeting after contract award for all affected parties.

1.12 PROGRESS MEETINGS

- A. Schedule and administer meetings throughout progress of the Work at pre-approved intervals.
- B. Preside at meetings, record minutes, and distribute copies within two days to those affected by decisions made.

1.13 CONSTRUCTION PROGRESS SCHEDULES

- A. Submit initial progress schedule in duplicate within five (5) calendar days after date of notice of award of project for Project Manager's review.
- B. Submit revised schedules with each Application for Payment, identifying changes since previous version. Indicate estimated percentage of completion for each item of Work at each submission.

1.14 SHOP DRAWINGS

- A. Shop Drawings for Review: Submit to Project Manager for review for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents.
- B. Submit a copy for use by the owner plus the number of copies that Contractor requires. Electronic submittals may be acceptable with prior approval of the Project Manager. Close Out documents shall include electronic and hard copies of all submittals.

1.15 QUALITY ASSURANCE - CONTROL OF INSTALLATION

- A. Monitor quality control over suppliers, manufacturers, products, services, site conditions, and workmanship, to produce Work of specified quality.
- B. Comply with manufacturers' written instructions.
- C. Comply with specified standards as minimum quality for the Work except when more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.
- D. Supply certification from manufacturer that the installed Work meets or exceeds all manufacturers' requirements.

1.16 EXAMINATION

- A. Verify that existing site conditions and subsurfaces are acceptable for subsequent Work. Beginning new Work means acceptance of existing conditions.
- B. Verify that utility services are available, of the correct characteristics, and in the correct location.

1.17 PREPARATION

- A. Prepare surfaces prior to applying next material installation.

1.18 TOLERANCES

- A. Monitor fabrication and installation tolerance control of installed Products over suppliers, manufacturers, Products, site conditions, and workmanship, to produce acceptable Work. Do not permit tolerances to accumulate. Comply fully with manufacturers' tolerances.

1.19 REFERENCES

- A. Conform to reference standards by date of issue current as of date of Contract Documents.
- B. Should specified reference standard conflict with Contract Documents, request clarification from Project Manager before proceeding.

1.20 ELECTRICITY

- A. Unless otherwise provided for, Contractor shall be allowed to utilize power from the facility in moderate amounts.
- B. Provide power outlets for construction operations, branch wiring, distribution boxes, and flexible power cords as required.

1.21 TEMPORARY LIGHTING FOR CONSTRUCTION PURPOSES

- A. Provide and maintain temporary lighting for construction operations as may be required.
- B. Provide branch wiring from power source to distribution boxes with lighting conductors, pigtails, and lamps as required.

1.22 WATER SERVICE

- A. Owner shall provide suitable potable water in moderate quantities without cost to the Contractor.

1.23 TEMPORARY SANITARY FACILITIES

- A. Contractor may use sanitary facilities located at the facility in lieu of contractor provided temporary facilities. Facilities will also continue to be used by the public and shall be maintained clean and in a sanitary condition.

1.24 BARRIERS AND FENCING

- A. Provide barriers and fencing as needed to prevent unauthorized entry to construction areas and to protect existing facilities and adjacent properties from dust, debris and damage.

1.25 PROTECTION OF INSTALLED WORK

- A. Protect installed Work and provide special protection where specified in individual specification sections.

1.26 SECURITY

- A. Provide security and facilities to protect Work and existing facilities from unauthorized entry, vandalism, or theft.

1.27 ACCESS ROADS & HAULING

- A. Maintain temporary access routes through the public thoroughfare and parking areas to serve the construction area as required without obstructing traffic or blocking access for facility staff or participants. Provide drive pads as required.
- B. Restore site to pre-construction condition. Replace broken or damaged amenities.

1.28 PARKING

- A. Arrange for temporary parking areas to accommodate construction personnel on site. Do not block traffic.

1.29 PROGRESS CLEANING AND WASTE REMOVAL

- A. Collect and maintain work areas free of waste materials, debris, and rubbish on a daily basis. Maintain site in a clean and orderly condition. Provide refuse containers and dispose of construction debris legally off site. The Owner may request load tickets from landfills permitted to accept construction debris.

1.30 REMOVAL OF UTILITIES, FACILITIES, AND CONTROLS

- A. Remove temporary utilities, equipment, facilities and materials, prior to Substantial Completion review.
- B. Clean and repair damage caused by installation or use of temporary work.
- C. Restore existing facilities used during construction to original condition. Restore permanent facilities used during construction to specified condition.

1.31 PRODUCTS

- A. Products: Means new material, machinery, components, equipment, fixtures, and systems forming the Work, but does not include machinery and equipment used for preparation, fabrication, conveying and erection of the Work.

1.32 TRANSPORTATION, HANDLING, STORAGE AND PROTECTION

- A. Transport, handle, store, and protect Products in accordance with manufacturers' instructions.

1.33 PRODUCT OPTIONS

- A. Products Specified by Naming One Manufacturer or equal: Products of manufacturer named approved as "Basis of Design". Equal alternate products to be approved by Owner as Substitutions. Submit product data as required in SUBSTITUTIONS.

1.34 SUBSTITUTIONS

- A. Architect will consider requests for Substitutions only within 10 days after date established in Notice to Proceed. For Pre-Quote approved Substitutions, submit request 7 calendar days or more before bid date with all back up data to show that all characteristics of the Basis of Design product are met with the substituted product or material.
- B. Document each request with complete backup data substantiating compliance of proposed Substitution with all characteristics of the materials specified in the Contract Documents.
- C. Submit request for Substitution for consideration. Limit each request to one proposed Substitution.
- D. Substitution shall indicate all product properties and show that they are equal to that Specified.
- E. Acceptance or Rejection of Pre-Bid Substitution Requests will be issued by Addendum.

1.35 FINAL CLEANING

- A. Execute final cleaning prior to final inspection of work area. User may occupy portions of the work incrementally as the work is completed and accepted. Entire project to be ready for use by User once all areas of work are completed.
- B. Clean debris from site and drainage systems.
- C. Remove waste and surplus materials, rubbish, and construction facilities from the facility and the site. Leave site in raked and smooth condition.

1.36 PROJECT RECORD DOCUMENTS

- A. Maintain on site one set of Contract Documents to be utilized only for record documents.
- B. Record actual revisions to the Work. Record information concurrent with construction progress.

- C. Specifications: Legibly mark and record at each Product section a description of actual Products installed.
- D. Record Documents and Shop Drawings: Legibly mark each item to record actual construction.
- E. Submit documents to Project Manager with claim for final Application for Payment.
- F. Submit a paper copies and 1 disc with pdf copies to include:
 - a. As built drawings and specifications
 - b. Approved submittals
 - c. Warrantees and guarantees
 - d. Certificate of Occupancy or Letter of Completion from Permitting Department or other agencies, as applicable.

1.37 WARRANTIES

- A. Product and Manufacturer's Warranties shall be provided per specifications.
- B. In addition, all materials and labor shall be warranted for a minimum of one year after Substantial Completion of the entire project. Contractor to promptly repair all deficiencies within that time. A warranty inspection shall be scheduled by the Owner, with the Contractor and Owner's representative, before the end of the warranty period, in order to review the work and note deficiencies for the Contractor to correct. Said meeting may be waived if no deficiencies are noted.

PART 2 PRODUCTS
Not Used.

PART 3 EXECUTION
Not Used.

END OF SECTION

SECTION 01210

ALLOWANCES

PART 1 GENERAL

1.1 RELATED DOCUMENTS

Drawings and general provisions of the Contract, including General Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Allowances will be utilized to:

1. Defer selection of certain items until more information is available.
2. Provide for discretionary installation of materials where exact and specific conditions cannot be determined in advance.
3. Provide for the discretionary use of labor where tasks and time frames cannot be determined in advance.

B. Include in Total Quote a stipulated lump sum allowance amount as specified in this Section.

1.3 ALLOWANCE

A. Include in the Total Base Quote a stipulated allowance(s) as indicated on the Quote Form for the use upon Owner's instruction. Upon Contractor inspection and Owner approval, any additional work that may be required, but not covered in the original Scope of Work (Base Scope Quote), shall be added to the scope and cost charged against the Contingency Allowance. Contractor's cost for products, delivery, installation labor, insurance, payroll, bonding, equipment rental and overhead and profit will be included in the Allowances. Contractor's markups on allowances are limited to 10% for subcontractor's work and 15% for his own forces.

B. Use of Contingency Allowance shall be approved in writing by the Owner before any materials are ordered or work performed.

C. Upon completion of the Work, any unused portion of the Allowances shall be credited back to the City of Mobile in the form of a Change Order.

D. Contractor shall provide a detailed proposal of the work with overhead and profit broken out. Such proposals shall include proposals from subcontractors, also showing their detailed proposal with overhead and profit broken out.

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1.4 SELECTION AND PURCHASE

- A. Advise the Project Manager when final selection and purchase of allowance item must be complete to avoid delay.

1.5 SUBMITTALS

- A. Request for Use of Allowance: Submit proposals for approval that detail and break out costs for contractors and subcontractor's markups.
- B. After Use of Allowance: Submit invoices to show quantity delivered to the site for each allowance.

PART 2 PRODUCTS

Not used

PART 3 EXECUTION

3.1 INSPECTION

- A. Promptly inspect all Allowance items upon delivery. Immediately report any shortage, damage, or defects to Project Manager.

3.2 PREPARATION

- A. Coordinate materials and installation to assure that each item is integrated with related construction activities.

3.3 ALLOWANCE SCHEDULE

- A. Include as a Contingency Allowance the lump sum amount of two thousand and xx/100 Dollars (\$2,000.00).

END OF SECTION

SECTION 01330 SUBMITTAL PROCEDURES

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Section, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Submittal Procedure
 - 2. Submittal Schedule
 - 3. Shop Drawings
 - 4. Product Data
 - 5. Samples

1.3 SUBMITTAL PROCEDURES

- A. Number each submittal with Project Manual specification Section number and sequential number within each section. Number resubmittals with original number and an alphabetic suffix.
- B. Identify Project, Contractor, Subcontractor or supplier, pertinent Drawing sheet and detail numbers, and specification Section number, as appropriate.
- C. Submit all submittals simultaneously for each Produce or Specification Section. Where multiple Products function as an assembly, group submittals for all related Products into single submittal.
- D. Project Manager will not review incomplete submittals.
- E. Apply Contractor's stamp, signed or initialed certifying that:
 - 1. Submittal was reviewed.
 - 2. Products, field dimensions, and adjacent construction have been verified.
 - 3. Information has been coordinated with requirements for Work and Contract Documents.
- F. Schedule submittals to expedite the Project, and deliver to Project Manager. Coordinate submittal of related items.
- G. For each submittal, allow 10 days for Project Manager's review, excluding delivery time to and from Contractor. Identify variations from Contract Documents and Product or

system limitations that may be detrimental to successful performance of completed Work.

- H. Revise and resubmit submittals when required; identify all changes made since previous submittals.
- I. Distribute copies of reviewed submittals to concerned parties and to Project Record Documents file. Instruct parties to promptly report any inability to comply with provisions.

1.4 SUBMITTAL SCHEDULE

- A. Submit a submittal schedule showing all submittals proposed for project, including:
 - 1. Submittals for Review
 - 2. Closeout Submittals.
- B. Include for each submittal:
 - 1. Specification section number.
 - 2. Description of submittal.
 - 3. Type of submittal.
 - 4. Anticipated submittal date.
- C. Submit one (1) PDF copy, concurrently.

1.5 SHOP DRAWINGS

- A. Present information in clear and thorough manner.
- B. Identify details by reference to sheet and detail numbers or areas shown on Drawings.
- C. Reproductions of details contained in Contract Documents are not acceptable.
- D. Submit one (1) PDF copy (concurrently). One PDF copy will be returned to Contractor for printing and distribution.

1.6 PRODUCT DATA

- A. Mark each copy to identify applicable products, models, options, and other data.
- B. Supplement manufacturers' standard data to provide information unique to this Project.
- C. Submit one (1) PDF copy. One PDF copy will be returned to Contractor for printing

and distribution.

1.7 SAMPLES

- A. Submit samples to illustrate functional and aesthetic characteristics of Products, with integral parts and attachment of devices. Coordinate sample submittals for interfacing work.
- B. Where so indicated, submit samples of finishes from the full range of manufacturers' standard colors, textures, and patterns for Project Manager's selection.
- C. Include identification for each sample, with full Project information.
- D. Project Manager will notify Contractor of approval or rejection of samples, or of selection of color, texture or pattern if full range is submitted.

END OF SECTION

SECTION 01400

PRE-QUOTE QUALIFICATIONS & CONSTRUCTION QUALITY REQUIREMENTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for general contractor/installer pre-quote qualifications.
- B. Testing and inspecting services are required to verify compliance with requirements specified or indicated.
- C. The City of Mobile is unable to issue payment or deposits on materials that are not on the project site, or in the City of Mobile stored in a climate controlled, bonded warehouse where a City representative can verify their presence and proper storage. Please refer to Construction Contract and General Conditions for more detail on payment procedures.
- D. Contractor's Quality Control Plan
 - 1. Specific quality assurance, control and schedule requirements for individual construction activities are specified in the Sections that specify those activities. Requirements in those Sections may also cover production of standard products.
- E. Related Sections:
 - 1. Division 1 Section "Construction Progress Documentation" for developing a schedule of required tests, inspections, submittals, orders, and installation.
 - 2. Section 064100 Architectural Wood Casework for specific test and inspection requirements.

1.3 PRE-QUOTE QUALIFICATIONS

- A. Installer qualifications will be examined prior to the quote opening. The intent is to pre-qualify installers with a proven, successful record of installations of similar size, and similar installation time in occupied buildings. Companies without proven records of success will not be approved for work on this project. Companies who have not met

quality requirements and/or construction schedule during other City of Mobile projects will also not be approved for work on this project.

- B. Submittals indicating proven record of success shall include:
 - 1. List of kitchen projects performed for the City of Mobile, if any.
 - 2. By submitting qualification information, the installer affirm that they are able to provide the materials needed for this project under the payment terms of the contract.
 - 3. Submit statement that installer is approved by the manufacturer to install the provided products.
 - 4. Provide a list of projects of similar size, scope, and timeframe performed for other entities and that support the assertion of successful performance.
 - a. Include project name, year completed, and contact names and numbers for reference.
 - b. Indicate size of installation, scope, and installation time of each project listed.
- C. Submit Installer qualifications by 3pm local time Thursday August 25, 2022 to Beatriz Jordan, Project Manager, at beatriz.jordan@cityofmobile.org. An Addendum will be issued by Monday, August 29, 2022, listing approved installers.

1.4 CONTRACTOR'S QUALITY-CONTROL PLAN FOR CONSTRUCTION

- A. Quality-Control Plan, General: Submit quality-control plan and schedule within 2 days of Notice to Proceed. Submit in format acceptable to Architect. Identify personnel, procedures, controls, instructions, tests, records, schedule and forms to be used to carry out Contractor's quality-assurance and quality-control responsibilities.
- B. Submittal Procedure: Describe procedures for ensuring compliance with requirements through review and management of submittal process.
- C. Testing and Inspection: Include in the quality-control plan a comprehensive schedule of Work requiring testing and inspection.
- D. Continuous Inspection of Workmanship: Describe process for continuous inspection during construction to identify and correct deficiencies in workmanship in addition to testing and inspection specified. Indicate types of corrective actions to be required to bring work into compliance with standards of workmanship established by Contract requirements and approved mockups.

1.5 QUALITY ASSURANCE

- A. General: Qualifications paragraphs in this article establish the minimum qualification levels required; individual Specification Sections specify additional requirements.
- B. Manufacturer Qualifications: A firm experienced in manufacturing products or systems similar to those indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.

- C. Manufacturer's Technical Representative Qualifications: An authorized representative of manufacturer who is trained and approved by manufacturer to observe and inspect installation of manufacturer's products that are similar in material, design, and extent to those indicated for this Project.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION

SECTION 01710
CLOSEOUT PROCEDURES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for contract closeout, including, but not limited to, the following:
 - 1. Substantial Completion procedures.
 - 2. Final completion procedures.
 - 3. Warranties.
 - 4. Final cleaning.
 - 5. Repair of the Work.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of cleaning agent.
- B. Contractor's List of Incomplete Items: Initial submittal at Substantial Completion.
- C. Certified List of Incomplete Items: Final submittal at final completion.

1.4 CLOSEOUT SUBMITTALS

- A. Certificates of Release: From authorities having jurisdiction.
- B. Certificate of Insurance: For continuing coverage.

1.5 MAINTENANCE MATERIAL SUBMITTALS

- A. Schedule of Maintenance Material Items: For maintenance material submittal items specified in other Sections.

1.6 SUBSTANTIAL COMPLETION PROCEDURES

- A. Contractor's List of Incomplete Items: Prepare and submit a list of items to be completed and corrected (Contractor's punch list), indicating the value of each item on the list and reasons why the Work is incomplete.
- B. Submittals Prior to Substantial Completion: Complete the following a minimum of 10 days prior to requesting inspection for determining date of Substantial Completion. List items below that are incomplete at time of request.
 - 1. Certificates of Release: Obtain and submit releases from authorities having jurisdiction permitting Owner unrestricted use of the Work and access to services and utilities. Include occupancy permits, operating certificates, and similar releases.
 - 2. Submit closeout submittals specified in other Division 01 Sections, including project record documents and operation and maintenance manuals.
 - 3. Submit closeout submittals specified in individual Sections, including specific warranties, final certifications, and similar documents.
 - 4. Submit maintenance material submittals specified in individual Sections, including tools, spare parts, extra materials, and similar items, and deliver to location designated by Architect. Label with manufacturer's name and model number.
 - a. Schedule of Maintenance Material Items: Prepare and submit schedule of maintenance material submittal items, including name and quantity of each item and name and number of related Specification Section. Obtain Architect's signature for receipt of submittals.
 - 5. Submit changeover information related to Owner's occupancy, use, operation, and maintenance.
- C. Inspection: Submit a written request for inspection to determine Substantial Completion a minimum of 10 days prior to date the Work will be completed and ready for final inspection and tests. On receipt of request, Architect will either proceed with inspection or notify Contractor of unfulfilled requirements. Architect will prepare the Certificate of Substantial Completion after inspection or will notify Contractor of items, either on Contractor's list or additional items identified by Architect, that must be completed or corrected before certificate will be issued.
 - 1. Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.
 - 2. Results of completed inspection will form the basis of requirements for final completion.

1.7 FINAL COMPLETION PROCEDURES

- A. Submittals Prior to Final Completion: Before requesting final inspection for determining final completion, complete the following:
 - 1. Certified List of Incomplete Items: Submit certified copy of Architect's Substantial Completion inspection list of items to be completed or corrected (punch list),

- endorsed and dated by Architect. Certified copy of the list shall state that each item has been completed or otherwise resolved for acceptance.
 - 2. Certificate of Insurance: Submit evidence of final, continuing insurance coverage complying with insurance requirements.
 - 3. Submit final completion photographic documentation.
- B. Inspection: Submit a written request for final inspection to determine acceptance a minimum of 10 days prior to date the work will be completed and ready for final inspection and tests. On receipt of request, Architect will either proceed with inspection or notify Contractor of unfulfilled requirements. Architect will prepare a final Certificate for Payment after inspection or will notify Contractor of construction that must be completed or corrected before certificate will be issued.
- 1. Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.

1.8 LIST OF INCOMPLETE ITEMS (PUNCH LIST)

- A. Organization of List: Include name and identification of each space and area affected by construction operations for incomplete items and items needing correction including, if necessary, areas disturbed by Contractor that are outside the limits of construction.
- 1. Organize items applying to each space by major element, including categories for ceiling, individual walls, floors, equipment, and building systems.
 - 2. Include the following information at the top of each page:
 - a. Project name.
 - b. Date.
 - c. Name of Architect.
 - d. Name of Contractor.
 - e. Page number.
 - 3. Submit list of incomplete items in the following format:
 - a. MS Excel electronic file. Architect will return annotated file.
 - b. PDF electronic file. Architect will return annotated file.

1.9 SUBMITTAL OF PROJECT WARRANTIES

- A. Time of Submittal: Submit written warranties on request of Architect for designated portions of the Work where warranties are indicated to commence on dates other than date of Substantial Completion, or when delay in submittal of warranties might limit Owner's rights under warranty.
- B. Organize warranty documents into an orderly sequence based on the table of contents of Project Manual.
- C. Warranty Electronic File: Provide warranties and bonds in PDF format. Assemble complete warranty and bond submittal package into a single electronic PDF file with

bookmarks enabling navigation to each item. Provide bookmarked table of contents at beginning of document.

D. Warranties in Paper Form:

1. Bind warranties and bonds in heavy-duty, three-ring, vinyl-covered, loose-leaf binders, thickness as necessary to accommodate contents, and sized to receive 8-1/2-by-11-inch paper.
2. Provide heavy paper dividers with plastic-covered tabs for each separate warranty. Mark tab to identify the product or installation. Provide a typed description of the product or installation, including the name of the product and the name, address, and telephone number of Installer.
3. Identify each binder on the front and spine with the typed or printed title "WARRANTIES," Project name, and name of Contractor.

E. Provide additional copies of each warranty to include in operation and maintenance manuals.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Cleaning Agents: Use cleaning materials and agents recommended by manufacturer or fabricator of the surface to be cleaned. Do not use cleaning agents that are potentially hazardous to health or property or that might damage finished surfaces.
1. Use cleaning products that comply with Green Seal's GS-37, or if GS-37 is not applicable, use products that comply with the California Code of Regulations maximum allowable VOC levels.

PART 3 - EXECUTION

3.1 FINAL CLEANING

- A. General: Perform final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.
- B. Cleaning: Employ experienced workers or professional cleaners for final cleaning. Clean each surface or unit to condition expected in an average commercial building cleaning and maintenance program. Comply with manufacturer's written instructions.
1. Complete the following cleaning operations before requesting inspection for certification of Substantial Completion for entire Project or for a designated portion of Project:

- a. Clean Project site, and grounds, in areas disturbed by construction and delivery activities, of rubbish, waste material, litter, and other foreign substances.
- b. Sweep areas broom clean. Remove ~~petrochemical spills~~, stains, and other foreign deposits.
- c. Remove tools, construction equipment, machinery, and surplus material from Project site.
- d. Clean interior hard-surfaced finishes to a dirt-free condition, free of stains, films, and similar foreign substances. Restore reflective surfaces to their original condition.
- e. Sweep floors broom clean in unoccupied spaces.
- f. Remove labels that are not permanent.
- g. Clean plumbing fixtures to a sanitary condition, free of stains, including stains resulting from water exposure.
- h. Leave Project clean and ready for occupancy.

3.2 REPAIR OF THE WORK

- A. Complete repair and restoration operations before requesting inspection for determination of Substantial Completion.
- B. Repair, or remove and replace, defective construction. Repairing includes replacing defective parts, refinishing damaged surfaces, touching up with matching materials, and properly adjusting operating equipment. Where damaged or worn items cannot be repaired or restored, provide replacements. Remove and replace operating components that cannot be repaired. Restore damaged construction and permanent facilities used during construction to specified condition.
 1. Touch up and otherwise repair and restore marred or exposed finishes and surfaces. Replace finishes and surfaces that already show evidence of repair or restoration.
 2. Replace parts subject to operating conditions during construction that may impede operation or reduce longevity.

END OF SECTION

SECTION 060513
DECORATIVE PLASTIC LAMINATE FINISHES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes the following Laminates:
 - 1. Formica Infiniti™ ColorCore®2.
- B. Related Requirements:
 - 1. Division 06 Plastic-Laminate-Faced Architectural Cabinets.

1.2 REFERENCES

- A. Reference Standards: In addition to requirements, comply with applicable provisions of following for design, materials, fabrication, and installation of component parts:
 - 1. ANSI / NEMA LD-3: High Pressure Decorative Laminates.
 - 2. IMO FTP Code Part 2: Smoke and Density Test.
 - 3. IMO FTP Code Part 5: Test for Surface Flammability.
 - 4. ISO: International Organization for Standardization.
 - 5. ISO 4586: Specifies the methods of test for determination of the properties of High- Pressure Decorative Laminates (HPL, HPDL).
 - 6. NFPA 101: Life Safety Code.
 - 7. NSF 35: High Pressure Decorative Laminates for Surfacing Food Service Equipment.
 - 8. Architectural Woodwork Quality Standards.
 - 9. SEFA 8.1 Approved.
 - 10. ASTM G 21 Approved.
 - 11. JIS Z 2801 Approved.
 - 12. ASTM D 4250 Water holding (Anti-fingerprint).

1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

1.4 ACTION SUBMITTALS

- A. Product Data:
 - 1. Product data for each specified product. Include manufacturer's technical data sheets and published instruction instructions.
- B. Shop Drawings: Each installation.

1. Anchorages to other construction, including requirements for concealed supports.
2. Use same unit designations used on Drawings.

C. Samples for Selection:

1. Available standard framing finish colors.

D. Verification Samples: 12-inch length of typical framing member in specified finish.

1. Plastic-laminate, not less than 8 by 10 inches (200 by 250 mm), for each type, color, pattern, and surface finish with separate samples of unfaced panel product used for core.

1.5 INFORMATIONAL SUBMITTALS

A. Qualification Data: For fabricator and installer.

B. Product Certificates: For the following:

1. High-pressure decorative laminate.
2. Adhesives.

C. Evaluation Reports: For fire-retardant-treated materials, from ICC-ES.

1.6 CLOSEOUT SUBMITTALS

A. Maintenance Data: Manufacturer's written maintenance instructions.

B. Manufacturer warranties transferrable to Owner.

1.7 QUALITY ASSURANCE

A. Installer Qualifications: Company specializing in fabricating and installing decorative plastic laminate finished work with a minimum 3 years experience.

B. Fabricator Qualifications: Shop that employs skilled workers who custom fabricate products similar to those required for this Project and whose products have a record of successful in- service performance with a minimum 3 years experience.

C. Mock-Ups:

1. Build mockups to verify selections made under submittals and to demonstrate aesthetic effects, set quality for materials and construction, set quality standard for fabrication and installation.
2. Acceptable mock-ups may remain as part of the Work if undamaged at time of Substantial Completion.
3. Acceptable mock-ups shall be comparison standard for remaining Work.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Package and ready materials according to manufacturer's instructions.
- B. Do not deliver components until Project is fully enclosed.
- C. Store products inside building protected from light, heat and moisture and never store in contact with floor or outside wall surfaces. Do not expose to continuous direct sunlight.
- D. Store horizontally, face-to-face and back-to-back with the top sheet turned face down.
- E. Sheets must be handled by sliding when possible.
- F. Stored at a temperature not less than 60 degrees F (16 degrees C) and a relative humidity not less than 40 percent.
- G. Provide protective coverings of suitable material. Take special precautions at corners.

1.9 PROJECT CONDITIONS

- A. Coordinate sizes and locations of cut-outs and other related Work specified in other Sections to ensure that interior laminate construction can be supported and installed as indicated.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Fire-Test-Response Characteristics: Provide decorative plastic laminate with the following surface burning characteristics as determined by testing identical products per ASTM E 84 by UL or another testing and inspecting agency acceptable to authorities having jurisdiction:
 - 1. Flame-Spread Index: 25 or less.
 - 2. Smoke-Developed Index: 450 or less.
- B. Source Limitations: Obtain decorative plastic laminate materials through one source from a single manufacturer.

2.2 MANUFACTURER

- A. Manufacturer:
 - 1. Basis of Design: Formica Corporation.
 - a. Contact: <http://www.formica.com/en/us>

2.3 PLASTIC LAMINATE PRODUCTS

A. Formica Infiniti™ ColorCore®2

1. Description:
 - a. Surface laminate with chemical resistance, thermal healing capabilities and solid color through.
 - b. Laminate Limitations:
 - 1) Shall not be used in areas exposed to temperatures exceeding 275 degrees F (135 degrees C) or for exterior applications.
 - c. Laminate Substrate: 45# density, industrial grade particleboard (CS 236-66; Type 1, Grade B, Class 2) or Medium Density Fiberboard (MDF).
 - 1) Plywood, underlayment and solid lumber substrate not acceptable.
2. Laminate Grade:
 - a. Grade A7 (post formable), 0.037" (0.9mm)
 - b. CC (non-post formable), 0.034" (0.86mm).
3. Laminate Color(s):
 - a. Color Core2, 7223C-AN, New White infinity finish texture for upper cabinets.
 - b. Color Core2, 912-AN, Storm Infinity finish texture for bottom cabinets.
 - c. As indicated on Drawings.
4. Laminate Finish: AN.
5. Laminate Application(s): Horizontal and Vertical applications.
 - a. Plastic-Laminate-Faced Architectural Cabinets.
 - b. Manufactured Plastic-Laminate-Faced Casework.

2.4 LAMINATE ACCESSORY MATERIALS

A. Edge Banding:

1. Laminate Grade:
 - a. Grade HGS.

B. Backing sheets:

1. Provide where recommended by manufacturer to minimize lamination warpage.

C. Adhesives:

1. Bonding Laminate: Provide type recommended by manufacturer.
2. Bonding Edge Molding: Provide type recommended by manufacturer.

2.5 LAMINATE FABRICATION

- ### A. Conform to Formica Corporation standard practices, procedures, conditions

including preconditioning, panel balancing, material recommendations, machining, equipment and workmanship.

- B. Formica Brand Laminate with low sheen surfaces are subject to marring. Fabricating with peel coat on surface (if applicable) is recommended. Router base should be clean and free of burrs and debris. Table saws should be clean, flat, and free of burrs.
- C. Do not adhere laminates directly to plaster, gypsum board or concrete construction.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. General: Install decorative plastic laminate in accordance with manufacturer's installation instructions, approved submittals and requirements of:
- B. Provide templates and rough-in measurements.
- C. Accessory Materials: Install in accordance with manufacturer's written installation instructions.

3.2 CLEANING AND PROTECTING

- A. Cleaning:
 - 1. Clean decorative plastic laminate surfaces and edge moldings or aluminum trims in accordance with manufacturer's instructions.
- B. Disinfect:
 - 1. Disinfect decorative plastic laminate surfaces in accordance with manufacturer's instructions.
- C. Protection:
 - 1. Do not permit construction near unprotected surfaces.

END OF SECTION 06 05 13

SECTION 064100
ARCHITECTURAL WOOD CASEWORK

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Custom casework.
 - a. Plastic laminate finished casework.
 - 2. Counter tops.
 - a. Solid Surface
 - 3. Cabinet hardware.

1.2 REFERENCE STANDARDS

- A. American National Standards Institute:
 - 1. ANSI A135.4 - Basic Hardboard.
 - 2. ANSI A156.9 - Cabinet Hardware.
- B. Architectural Woodwork Institute:
 - 1. AWI AWS - Architectural Woodwork Standards.

1.3 PRE-INSTALLATION MEETINGS

- A. Section 01310 – Project Management and Coordination: Pre-installation meeting.
- B. Convene minimum one week prior to commencing work of this section.

1.4 SUBMITTALS

- A. Section 01330 - Submittal Procedures: Submittal procedures.
- B. Product Data:
 - 1. Submit data on fire retardant treatment materials and application instructions.
 - 2. Submit data on high-pressure decorative laminates.
 - 3. Submit data for hardware accessories.
- C. Shop Drawings:
 - 1. Indicate materials, component profiles and elevations, assembly methods, joint details, fastening methods, accessory listings, hardware location and schedule of finishes.
- D. Samples:
 - 1. Submit one, 8 x 10 inch size samples, illustrating cabinet finish.
 - 2. Submit one, 8 x 10 inch size samples, illustrating counter top finish
 - 3. Submit one sample of drawer pulls, hinges, illustrating hardware finish.

- E. Qualification Statements:
 - 1. Submit fabricator and licensed professional experience qualifications.

1.5 QUALITY ASSURANCE

- A. Perform work in accordance with AWI AWS, Section 10 and Section 11; Custom grades identified in section.
- B. Perform Work in accordance with Municipality of Mobile standard.
- C. Maintain one copy of each document on site.

1.6 QUALIFICATIONS

- A. Fabricator: Company specializing in fabricating products specified in this section with minimum three years documented experience.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Section 01700 - Execution Requirements: Product storage and handling requirements.
- B. Protect units from moisture damage.
- C. Maintain storage space relative humidity within ranges indicated in AWI AWS Section 2.

1.8 AMBIENT CONDITIONS

- A. Ambient conditions control facilities for product storage and installation.
- B. During and after installation of Work of this section, maintain same temperature and humidity conditions in building spaces as will occur after occupancy.
 - 1. Maintain relative humidity within ranges indicated in AWI AWS Section 2.

1.9 EXISTING CONDITIONS

- A. Verify field measurements prior to fabrication. Indicate field measurements on shop drawings.

PART 2 PRODUCTS

2.1 CUSTOM CASEWORK

- A. Plastic Laminate Finished Custom Casework: Frameless construction; reveal overlay style; AWI AWS Section 10;-Custom Grade.
 - 1. Exposed exterior, semi- exposed and concealed surfaces: High-pressure decorative laminate over medium density fiberboard.
- B. Casework Construction Details:

1. Drawer Side Joinery: Multiple dovetailed.
 2. Drawer and Door Edge Profile: Square with thin applied band
 3. Toe Base Finish: Plastic laminate as specified in drawings.
- C. Solid Surface Counter Top: See Section 123600 Countertop, countertop to be installed to hinges
- D.
1. Core: Aristech Avonite Studio Bellissimo (6720)
 - a. Core at Sink Tops:
 - 1) Color: Aristech Avonite Studio Venato Class I
 - 2) 26.6"x15.75"x15.75", Single Bowl Deep Sink, Square Corners, KS2416ES
 - 3) Integral design sink.
 2. Splash Top Profile: Square.
 3. Deck at Splash Joint Type: Horizontal butt.
 4. Front Edge: Self-edge with buildup and drip groove as indicated on Drawings.
 5. Splash Assembly: Field assembled.
- E. Performance / Design Criteria:
1. Design storage cabinets including supports and attachments under direct supervision of licensed professional.

2.2 MATERIALS

- A. Lumber Moisture Content Range: 5-10 percent.
- B. Medium Density Fiberboard (MDF) and 45#density, industrial grade particle board (CS236-66; Type 1, Grade B, Class 2): ANSI A208.2, composed of wood fibers.
1. Fire Retardant Fiberboard: ASTM E84; 25 maximum flame spread index and 450 maximum smoke developed index.
- C. High Pressure Decorative Laminate (HPDL): NEMA LD 3; Formica, ColorCore 2, 912-AN Storm color, matte, Formica infinity laminate sheet surface texture, CC (non-postformable) grade, 0.034" (.86mm) thick

2.3 WOOD TREATMENT

- A. Fire Retardant Treatment: Chemically treated and pressure impregnated, having flame spread of 25 or less when tested in accordance with ASTM E 84 and showing no evidence of significant progressive combustion when test is continued for an additional 20 minute period, Interior Type.
- B. Provide identification on fire retardant treated material.
- C. Deliver fire retardant treated materials cut to required sizes. Minimize field cutting.

2.4 FABRICATION

- A. Fabricate casework to AWI AWS Section 10-Custom Grade.

- B. Fabricate counter tops to AWI AWS Section 11 Custom Grade.
- C. Shop assemble casework for delivery to site in units easily handled and to permit passage through building openings.
- D. Fit exposed edges with matching veneer edging. Use one piece for full length only.
- E. Cap exposed high-pressure decorative laminate finish edges with material of same finish and pattern.
- F. Door and Drawer Fronts: $\frac{3}{4}$ inch, 19 mm thick.
- G. When necessary to cut and fit on site, fabricate materials with ample allowance for cutting. Furnish trim for scribing and site cutting.
- H. Apply high-pressure decorative laminate finish in full-uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners.
- I. Apply laminate backing sheet to reverse side of plastic laminate finished surfaces where required by AWI AWS for specified Grade.
- J. Fabricate cabinets and counter tops with cutouts for plumbing fixtures, inserts, outlet boxes, fixtures and fittings. Verify locations of cutouts from on-site dimensions. Prime paint and seal cut edges.

2.5 FINISHES

- A. Sand work smooth and set exposed nails and screws.
- B. Apply wood filler in exposed nail and screw indentations.

2.6 ACCESSORIES

- A. Adhesive for High Pressure Decorative Laminates: Type recommended by laminate manufacturer to suit application.
- B. Veneer Edge Band: AWI AWS; standard veneer edge band matching face veneer.
- C. Fasteners and Anchors:
 - 1. Fasteners: unfinished steel.
 - 2. Nails and Staples: ASTM F1667.
- D. Bolts, Nuts, Washers, Lags, Pins, and Screws: Of size and type to suit application.
- E. Concealed Joint Fasteners: Threaded steel.
- F. Grommets: Plastic material for cut-outs.
- G. Hardware: BHMA A156.9.

- H. Shelf Rests: In-line bored holes, four support pins for each shelf.
- I. Drawer and Door Pulls: ADA Compliant, "U" shaped pull, aluminum with satin finish, 6 inch, 160mm centers.
- J. Catches: Magnetic.
- K. Drawer Slides: Galvanized steel construction, Soft close ball bearings separating tracks, full extension type.
- L. Hinges: concealed type, steel with satin finish.-Soft closing concealed hinges

PART 3 EXECUTION

3.1 EXAMINATION

- A. Section 017000 - Execution and Closeout Requirements: Requirements for installation examination.
- B. Verify adequacy of backing and support framing.
- C. Verify location and sizes of utility rough-in associated with work of this section.

3.2 PREPARATION

- A. Section 017000 - Execution and Closeout Requirements: Requirements for installation preparation.
- B. Prime paint surfaces of casework items and assemblies to be in contact with cementitious materials.

3.3 INSTALLATION

- A. Install casework in accordance with AWI AWS Section 10 Custom Grade.
- B. Install countertop in accordance with AWI AWS Section 11 Custom Grade.
- C. Set and secure casework and counter tops in place; rigid, plumb, and level.
- D. Use fixture attachments in concealed locations for wall mounted components.
- E. Use concealed joint fasteners to align and secure adjoining cabinet units, counter tops.
- F. Carefully scribe casework abutting other components, with maximum gaps of 1/32 inch, 1 mm. Do not use additional overlay trim for this purpose.
- G. Secure cabinet and counter bases to floor using appropriate angles and anchorages.

- H. Countersink anchorage devices at exposed locations. Conceal with solid wood plugs of species to match surrounding wood; finish flush with surrounding surfaces.

3.4 TOLERANCES

- A. Section 014000 - Quality Requirements: Tolerances.
- B. Conform to AWI AWS Section 10 requirements for the following:
 - 1. Smoothness.
 - 2. Gaps.
 - 3. Flushness.
 - 4. Flatness.
 - 5. Alignment
- C. Maximum Variation from Indicated Position: 1/16 inch, 1.5 mm.
- D. Maximum Offset from Alignment with Abutting Materials: 1/32 inch, 0.7 mm.

3.5 ADJUSTING

- A. Section 017000 - Execution and Closeout Requirements: Requirements for starting and adjusting.
- B. Adjust moving or operating parts to function smoothly and correctly.

3.6 CLEANING

- A. Section 017000 - Execution and Closeout Requirements: Requirements for cleaning.
- B. Clean casework, counters, shelves, hardware, fittings, and fixtures.

END OF SECTION

SECTION 123600

COUNTERTOPS

Avonite Surfaces® Solid Surface

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Countertops
- B. Sinks
- C. Splashes

1.2 REFERENCES

- A. ASTM International
 - 1. ASTM D 6110; Standard Test Method for Determining the Charpy Impact Resistance of Notched Specimens of Plastics ASTM D 570; Standard Test Method for Water Absorption of Plastics.
 - 2. ASTM D 790; Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials.
 - 3. ASTM D 696; Standard Test Method for Coefficient of Linear Thermal Expansion of Plastics Between -30°C and 30°C with a Vitreous Silica Dilatometer
 - 4. ASTM D 2583; Standard Test Method for Indentation Hardness of Rigid Plastics by Means of a Barcol Impressor
 - 5. National Electrical Manufacturers Association (NEMA) LD.3 High Pressure Decorative Laminates.

1.3 SUBMITTALS

- A. Refer to Section 013300 Submittal Procedures.
- B. Product Data: Submit manufacturer's current product literature for each product indicated.
- C. Samples: Provide a four-inch square color sample for products indicated. Provide color literature showing colors of actual material if products are not provided.
- D. Shop Drawings: Include details, and attachments to other work.
 - 1. Submit shop drawings showing seams, termination points, and details of edges.

2. Submit coordination drawings indicating electrical and plumbing work.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Manufacturer approved installer shall fabricate and install solid surface products, and demonstrate successful experience in installing finished carpentry items similar in type and quality to those required for this project.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Deliver sheets, fabricated items, materials and components in manufacturer's original, unopened, undamaged containers with identification labels intact.
- B. Store solid surface products and accessories as recommended by manufacturer.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Avonite Surfaces® Acrylic Solid Surface sheets are manufactured by Aristech Surfaces LLC, 7350 Empire Drive Florence, KY 41042, USA; Phone 1.800.354.9858 or 859.283.1501, fax 859.283.7378; website www.aristechs-surfaces.com.

2.2 SOLID SURFACE MATERIAL

- A. Basis of Design: Avonite Surfaces® Acrylic by Aristech Surfaces LLC.
 1. Description: Non-porous, homogeneous material maintaining the same composition throughout the product with a composition of polyester or acrylic polymer, aluminum trihydrate filler and pigment.
 2. Thickness: 12mm
 3. Color: Venato Class I, Bellissimo 6720, as indicated on Drawings.
 4. Sheet Size: Avonite Surfaces® Acrylic 36" x 120".
 5. Performance Characteristics based on 12mm thick solid color: Avonite Surfaces® Acrylic
 - a. Specific Gravity: 28.3 grams/cu. in.
 - b. Hardness: 59, when tested in accordance with ASTM D2583
 - c. Flexural strength: 8,000 psi, when tested in accordance with ASTM D790
 - d. Tensile Modulus: 12.3×10^5 , when tested in accordance with ASTM D790
 - e. Water Absorption after 24 hours: 0.04 %, when tested in accordance with ASTM D570
 - f. Charpy Impact Foot Pounds per Inch: 1.5, when tested in accordance with ASTM D6110

- g. Impact Resistance 1/2 Pound: No Fracture at a height >150 in, when tested in accordance with NEMA LD3-3.3
- h. Linear Thermal Expansion, in/in/°F: 2.1×10^{-5} , when tested in accordance with ASTM D696
- i. High Temperature Resistance: No Effect, when tested in accordance with NEMA LD3-3.6
- j. Boiling Water Resistance: No Effect, when tested in accordance with NEMA LD3-3.5
- k. Stain Resistance: No Effect, when tested in accordance with NEMA LD3-3.9
- l. Weight per sq. ft., 12mm thickness: 4.5 pounds

B. Or equivalent.

2.3 ACCESSORIES

- A. Silicone Sealant: Mildew-resistant, FDA-compliant, 100% silicone sealant recommended by manufacturer
- B. Sink: Integral designed sink, 26.6"x15.75"x15.75" Single Bowl Deep Sink, Square Corners, KS2416ESV

2.4 FABRICATION

- A. Solid surface shall be finished and fabricated by an Aristech Surfaces LLC authorized fabricator.
- B. Product is supplied unfinished; specify and communicate desired finish to fabricator.
- C. Fabricate using 12mm thick material unless otherwise indicated.
- D. Solid surface shall be fabricated to field measurements.
- E. Cut and finish component edges with clean, sharp returns.
- F. Finished edges shall have a 1/16-inch radius.
- G. Integral Sinks shall be selected from manufacturer's standard sink designs and colors, and shall be formed integrally with countertops.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Inspect materials and location of installation for conditions affecting performance of work in accordance with shop drawings.

- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install solid surfaces in accordance with manufacturer's installation guidelines and recommendations.
- B. Field cut countertop as required for plumbing fixtures and kitchen accessories.
- C. Cure countertops for 24 hours, minimum, before exposure to moisture or pressure.
- D. Corner joints: Form 1/8-inch-wide joints, sealed with manufacturer's color-matching silicone sealant.
- E. Back splashes: Field install with tight, sealed joints.
- F. Field joints shall be hard seamed unless otherwise specified.
- G. Attach solid surfaces material to leveled supports on frame with dabs of silicone every 18"-24"
- H. Fasten solid surface material to frame by anchoring screws to supports at all corner blocks. Screws should not come in contact with solid surface material, as this may cause cracking of countertop.

3.3 CLEANING AND PROTECTION

- A. Remove adhesives, sealants and other stains.
- B. Protect installed wall cladding from damage. Repair or replace damaged work, to Architects satisfaction.

END OF SECTION

GENERAL NOTES:

Scope of Work:

Include the furnishing of all labor, materials, tools and equipment necessary to remodel Permitting / Inspections and Zoning Departments Breakroom areas as outlined in this RFQ document.
For the Permitting / Inspections Department Breakroom, temporarily store dinning set, kitchen appliances, ice maker and refrigerator in a location indicated by the project manager, remove existing faucet, sink, countertop, top and bottom cabinets and provide and install new faucet, solid surface countertop and backsplash with integrated sink and top and bottom cabinets according to drawings and specifications.
For the Zoning Department Breakroom, temporarily store dining set, cabinet, kitchen appliances and refrigerator in a location indicated by the project manager, and install new top and bottom cabinets and solid surface countertop.

Use of Premises:

Limit use of premises to allow continued Owner occupancy. All facilities shall remain in use except the immediate work area for this project. Obey all Facility Regulations and coordinate access and schedule of work with Project Manager.

Coordination:

Coordinate scheduling, submittals, and Work at the facility to ensure an efficient and orderly sequence and to facilitate the continued uninterrupted use of the Facility.
Request Utility interruptions at least 72 hours in advance. Note that due to scheduling in the facility, utility interruptions must be approved.

Field Examination:

Contractor shall field verify all measurements and quantities required for a complete installation.
Verify that existing site conditions and surfaces are acceptable for subsequent Work. Beginning new Work means acceptance of existing conditions.

Shop Drawings:

Submit to Project Manager for review for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents.

Quality Assurance:

Comply with specified standards as minimum quality for the Work except when more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.
Perform work in accordance with AWI AWS, Section 10 and Section 11; Custom grades identified in section.
Company specializing in fabricating products specified in this section with minimum three years documented experience.
Maintain storage space relative humidity within ranges indicated in AWI AWS Section 2.

Tolerances:

Monitor fabrication and installation tolerance control of installed Products over suppliers, manufacturers, Products, site conditions, and workmanship, to produce acceptable Work. Do not permit tolerances to accumulate. Comply fully with manufacturers' tolerances.

Protection of Installed Work:

Protect installed Work and provide special protection where specified in individual specification sections.

Progress Cleaning and Waste Removal:

Collect and maintain work areas free of waste materials, debris, and rubbish on a daily basis. Maintain site in a clean and orderly condition. Provide refuse containers and dispose of construction debris legally off site.
Restore site to pre-construction condition. Replace broken or damaged amenities.

Transportation:

Transport, handle, store, and protect Products in accordance with manufacturers' instructions.

Warranties:

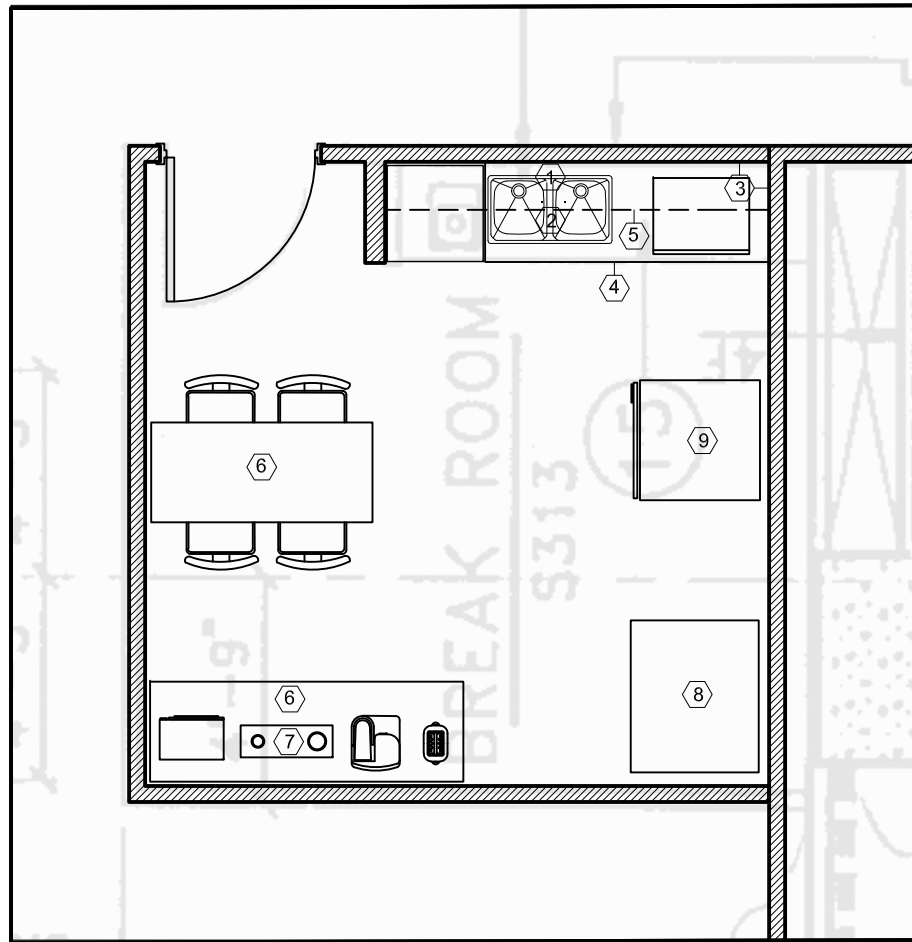
All materials and labor shall be warranted for a minimum of one year after Substantial Completion of the entire project. Contractor to promptly repair all deficiencies within that time. A warranty inspection shall be scheduled by the Owner, with the Contractor and Owner's representative, before the end of the warranty period, in order to review the work and note deficiencies for the Contractor to correct. Said meeting may be waived if no deficiencies are noted.

PROJECT NAME:
GOVERNMENT PLAZA - PERMITTING, INSPECTIONS AND ZONING
DEPARTMENT BREAKROOM REMODELING

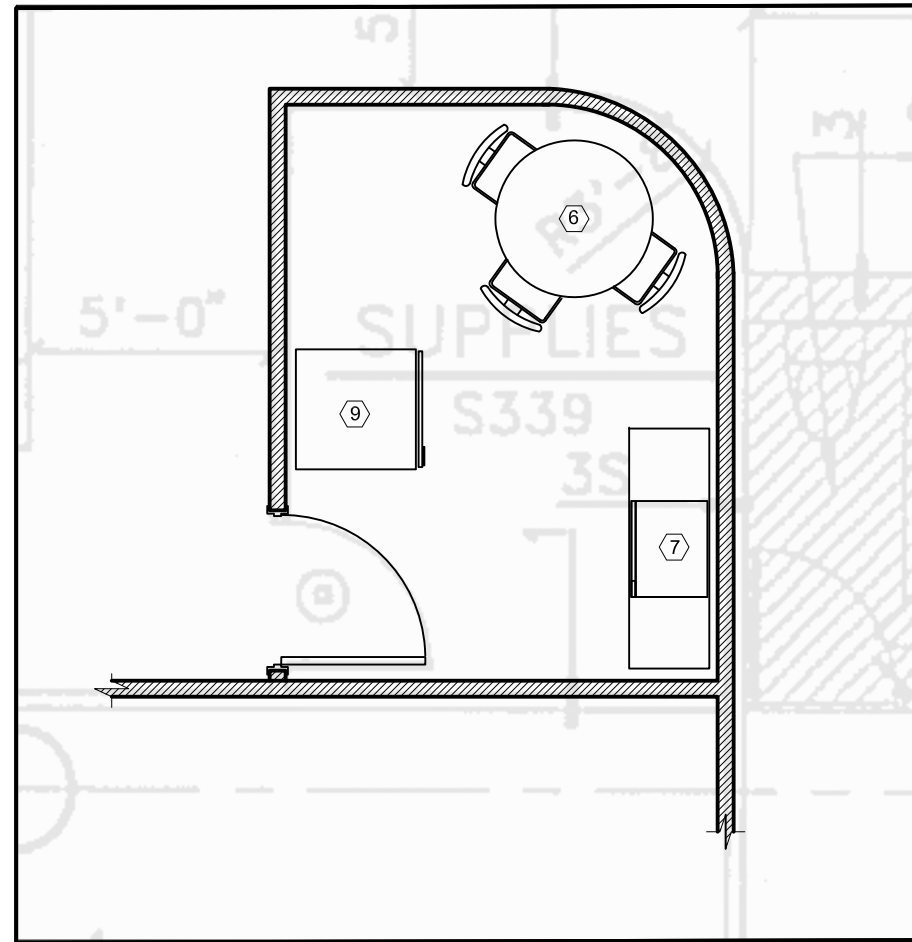
PROJECT NUMBER: AD-003-22 DATE: AUGUST 14, 2022 DRAWN BY : BJ

SHEET NAME:
GENERAL NOTES

A-1



A PERMITTING DEPT. FLOOR PLAN
SCALE 1/4"=1'-0"



B ZONING DEPT. FLOOR PLAN
SCALE 1/4"=1'-0"

KEY NOTES

- ①. REMOVE FAUCET AND KEEP IT FOR OWNER TO REUSE IT.
- ②. REMOVE SINK AND KEEP IT FOR OWNER TO REUSE IT.
- ③. REMOVE COUNTERTOP AND BACKSPLASH AND KEEP IT FOR OWNER TO REUSE IT .
- ④. REMOVE BOTTOM CABINET AND KEEP IT FOR OWNER TO REUSE IT.
- ⑤. REMOVE TOP CABINET AND KEEP IT FOR OWNER TO REUSE IT.
- ⑥. MOVE DINNING SET FURNITURE AND TABLE AND STORE IT IN A LOCATION INDICATED BY OWNER.
- ⑦. MOVE KITCHEN APPLIANCES AND STORE IT IN A LOCATION INDICATED BY OWNER.
- ⑧. MOVE COKE MACHINE IN ZONING DEPARTMENT BREAKROOM.
- ⑨. MOVE REFRIGERATOR TO A LOCATION INDICATED BY OWNER.

PROJECT NAME:
GOVERNMENT PLAZA - PERMITTING, INSPECTIONS AND ZONING
DEPARTMENT BREAKROOM REMODELING

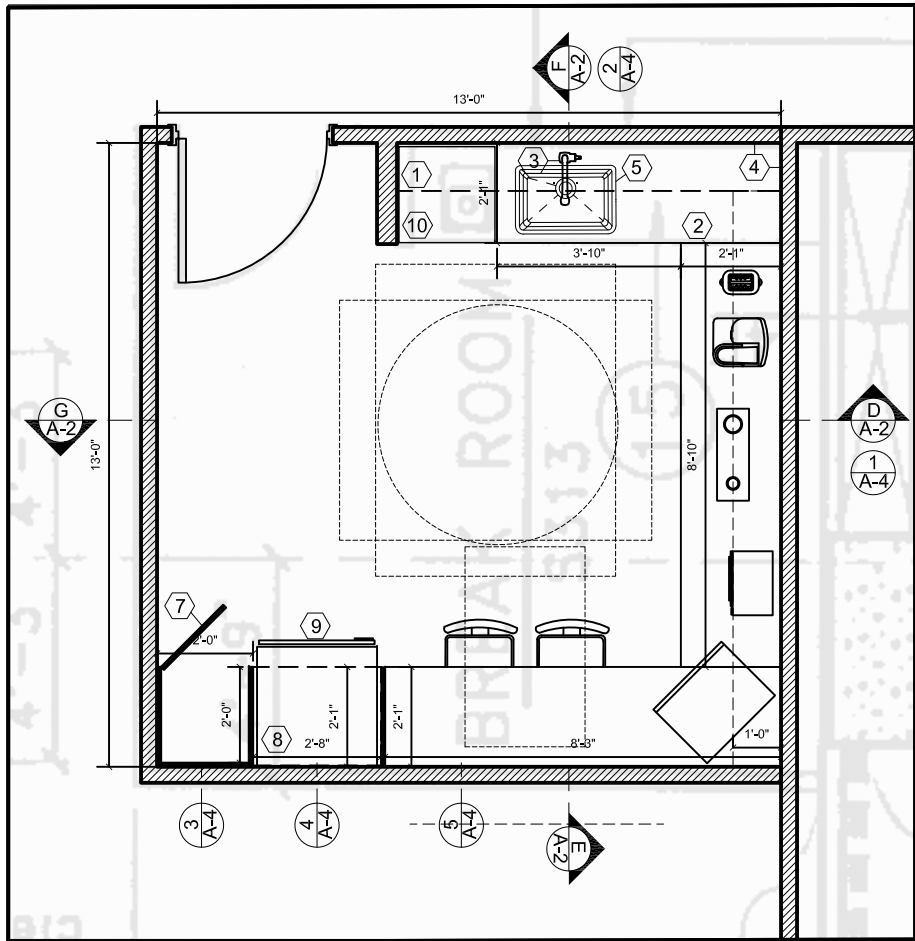
PROJECT NUMBER: AD-003-22

DATE: AUGUST 14, 2022

DRAWN BY : BJ

SHEET NAME:
PERMITTING AND ZONING DEPARTMENTS BREAKROOM SELECTIVE DEMOLITION

D-1

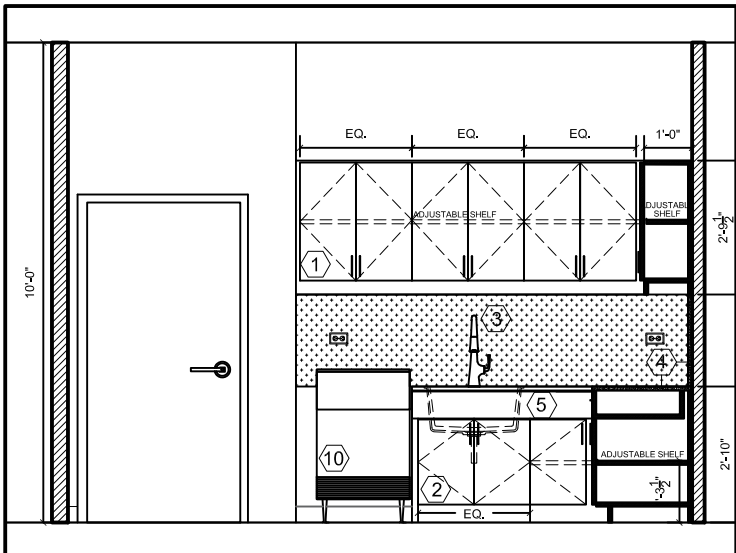


C FLOOR PLAN
SCALE 1/4"=1'-0"

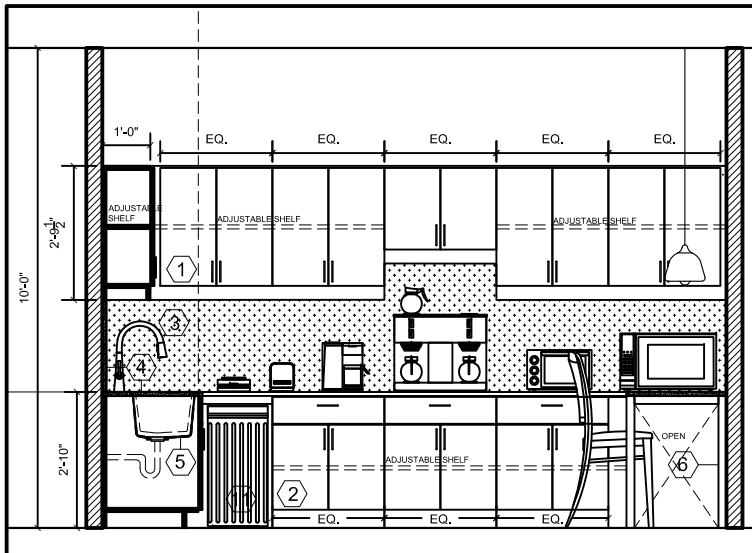
KEY NOTES

1. Bottom cabinet:
 - 1.1. Plastic Laminate Finished Custom Casework:
 - 1.1.1. Color: Formica Infiniti™ ColorCore®2, 912-AN, Storm, Infinity finish texture.
 - 1.1.2. Frameless construction.
 - 1.1.3. Reveal overlay style.
 - 1.1.4. Exposed exterior, semi-exposed and concealed surfaces: High-pressure decorative laminate over medium density fiberboard.
 - 1.2. Casework Construction Details:
 - 1.2.1. Drawer Side Joinery: Multiple dovetailed.
 - 1.2.2. Drawer and Door Edge Profile: Square with thin applied band
 - 1.2.3. Toe Base Finish: Plastic laminate as specified in drawings.
 - 1.2.4. Shelf Rests: In-line bored holes, four support pins for each shelf.
 - 1.2.5. Drawer and Door Pulls: ADA Compliant, "U" shaped pull, aluminum with satin finish, 6 inch, 160mm centers.
 - 1.2.6. Catches: Magnetic.
 - 1.2.7. Drawer Slides: Galvanized steel construction, soft close ball bearings separating tracks, full extension type.
 - 1.2.8. Hinges: concealed type, steel with satin finish, soft closing concealed hinges.
2. Top cabinet:
 - 2.1. Plastic Laminate Finished Custom Casework:
 - 2.1.1. Color: Formica Infiniti™ ColorCore®2, 7223C-AN, New White, infinity finish texture.
 - 2.1.2. Frameless construction,
 - 2.1.3. Reveal overlay style.
 - 2.1.4. Exposed exterior, semi-exposed and concealed surfaces: High-pressure decorative laminate over medium density fiberboard.
 - 2.2. Casework Construction Details:
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 - 2.2.5. Hinges: concealed type, steel with satin finish.-Soft closing concealed hinges.

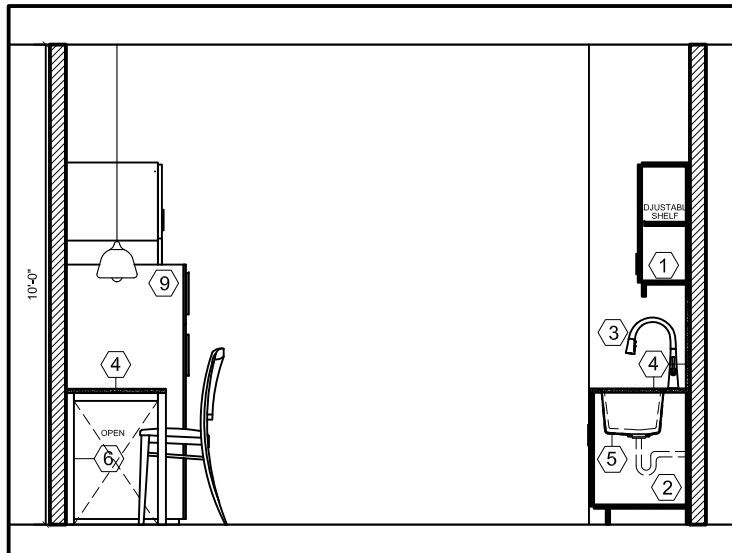
3. Faucet:
 - 3.1. Kohler, Grace
 - 3.2. Pull-down kitchen sink faucet
 - 3.3. K-22062
4. Solid surface
 - 4.1. Countertop:
 - 4.1.1. Aristech Avonite Studio Bellissimo (6720)
 - 4.1.2. Food zone category of NSF/ANSI 51
 - 4.1.3. Self-edged with butt splash
 - 4.1.4. AWI AWS Section 11
 - 4.1.5. Custom Grade.
 - 4.2. Backsplash:
 - 4.2.1. Aristech Avonite Studio Bellissimo (6720)
 - 4.2.2. Splash Top Profile: Square.
 - 4.2.3. Deck at Splash Joint Type: Horizontal butt.
 - 4.2.4. Front Edge: Self-edge with buildup and drip groove.
5. Sink:
 - 5.1. Color: Aristech Avonite Studio Venato Class I
 - 5.2. 26.6"x15.75"x15.75" Single Bowl Deep Sink, Square Corners, KS2416ES.
 - 5.3. Integral design sink.
6. Wooden structure for table.
7. Cabinet.
8. Small top cabinet.
9. Existing refrigerator.
10. Existing ice maker.
11. Trash can.



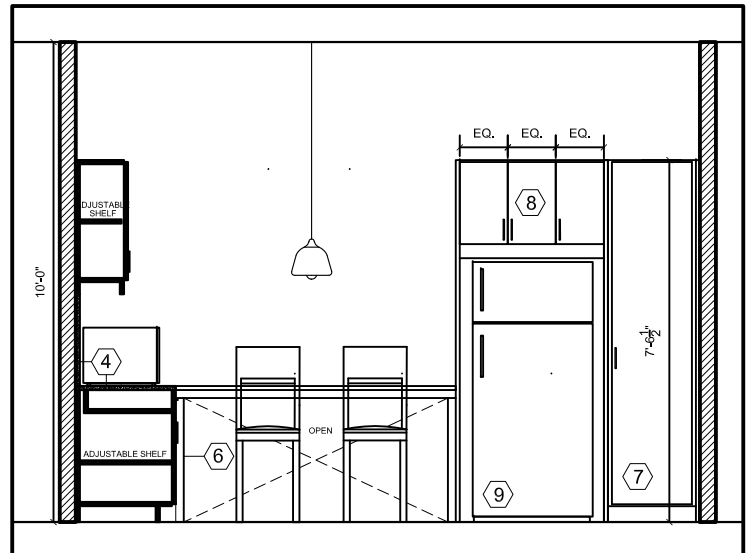
D ELEVATION
SCALE 1/4"=1'-0"



E ELEVATION
SCALE 1/4"=1'-0"

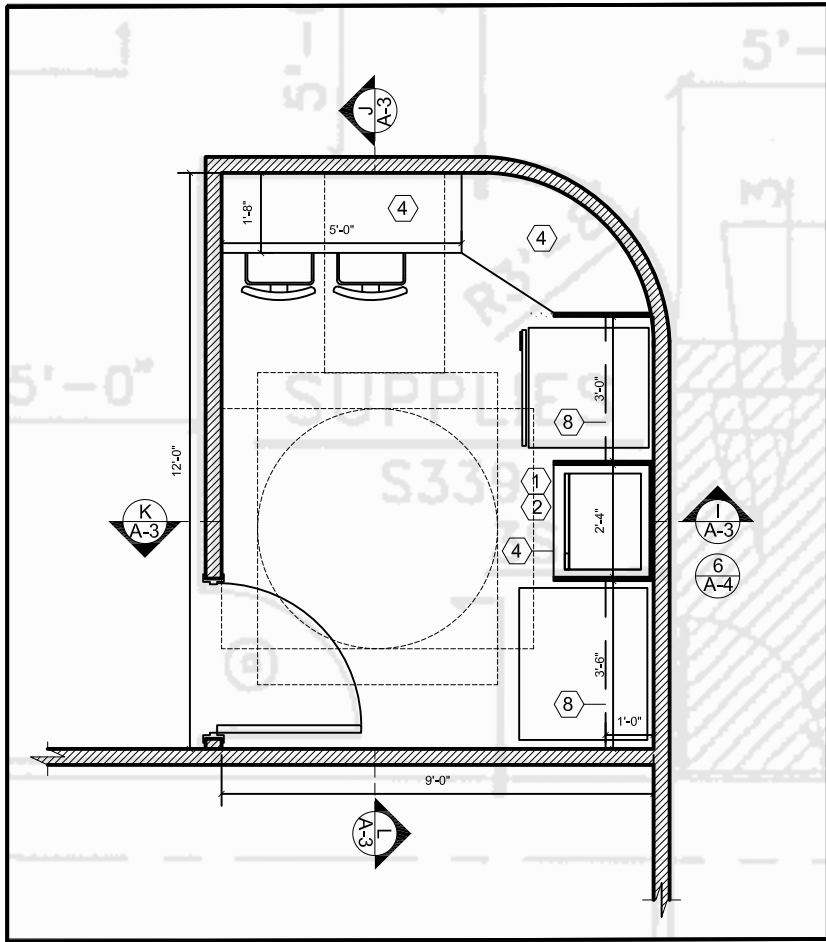


F ELEVATION
SCALE 1/4"=1'-0"



G ELEVATION
SCALE 1/4"=1'-0"

PROJECT NAME: GOVERNMENT PLAZA - PERMITTING, INSPECTIONS AND ZONING DEPARTMENT BREAKROOM REMODELING		
PROJECT NUMBER: AD-003-22	DATE: AUGUST 14, 2022	DRAWN BY : BJ
SHEET NAME: PERMITTING DEPARTMENT BREAKROOM FLOOR PLAN AND ELEVATIONS		A-2

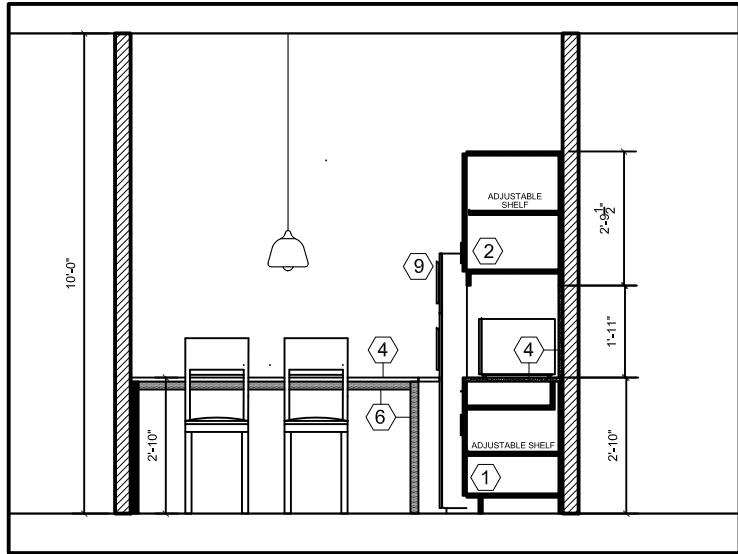


H FLOOR PLAN
SCALE 1/4"=1'-0"

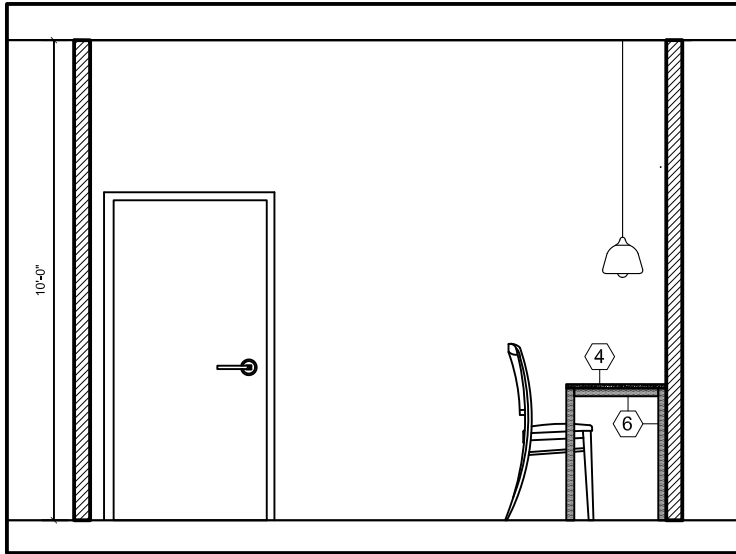
KEY NOTES

1. Bottom cabinet:
- 1.1. Plastic Laminate Finished Custom Casework:
 - 1.1.1. Color: Formica Infiniti™ ColorCore®2, 912-AN, Storm, Infinity finish texture.
 - 1.1.2. Frameless construction.
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 - 1.2.1. Drawer Side Joinery: Multiple dovetailed.
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 - 2.2.5. Hinges: concealed type, steel with satin finish.-Soft closing concealed hinges.

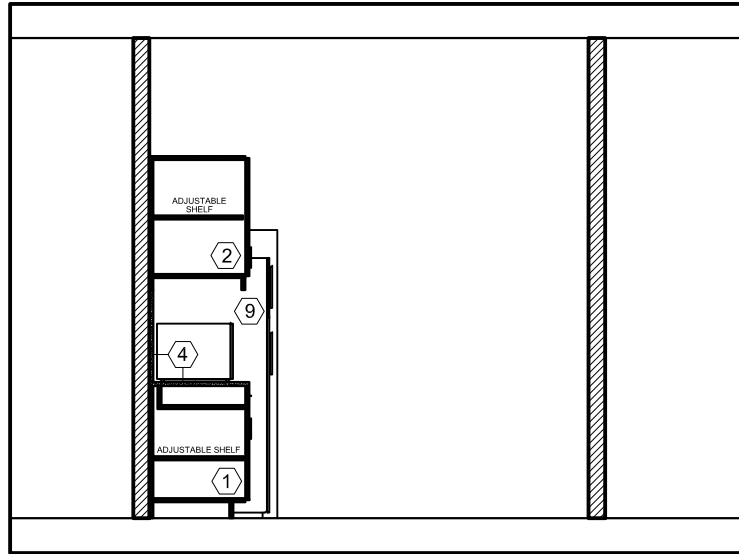
3. Faucet:
- 3.1. Kohler, Grace
 - 3.2. Pull-down kitchen sink faucet
 - 3.3. K-22062
4. Solid surface
- 4.1. Countertop:
 - 4.1.1. Aristech Avonite Studio Bellissimo (6720)
 - 4.1.2. Food zone category of NSF/ANSI 51
 - 4.1.3. Self-edged with butt splash
 - 4.1.4. AWI AWS Section 11
 - 4.1.5. Custom Grade.
 - 4.2. Backsplash:
 - 4.2.1. Aristech Avonite Studio Bellissimo (6720)
 - 4.2.2. Splash Top Profile: Square.
 - 4.2.3. Deck at Splash Joint Type: Horizontal butt.
 - 4.2.4. Front Edge: Self-edge with buildup and drip groove.
5. Sink:
- 5.1. Color: Aristech Avonite Studio Venato Class I
 - 5.2. 26.6"x15.75"x15.75" Single Bowl Deep Sink, Square Corners, KS2416ES.
 - 5.3. Integral design sink.
6. Wooden structure for table.
7. Cabinet.
8. Small top cabinet.
9. Existing refrigerator.
10. Existing ice maker.
11. Trash can.



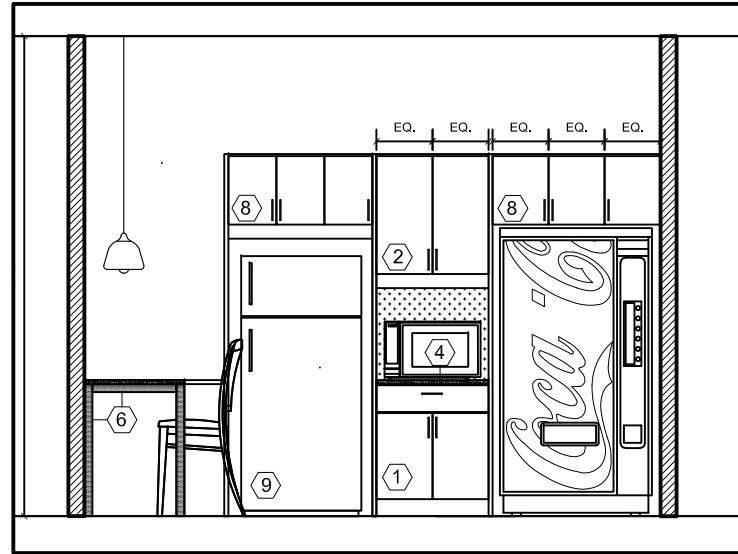
I ELEVATION
SCALE 1/4"=1'-0"



J ELEVATION
SCALE 1/4"=1'-0"

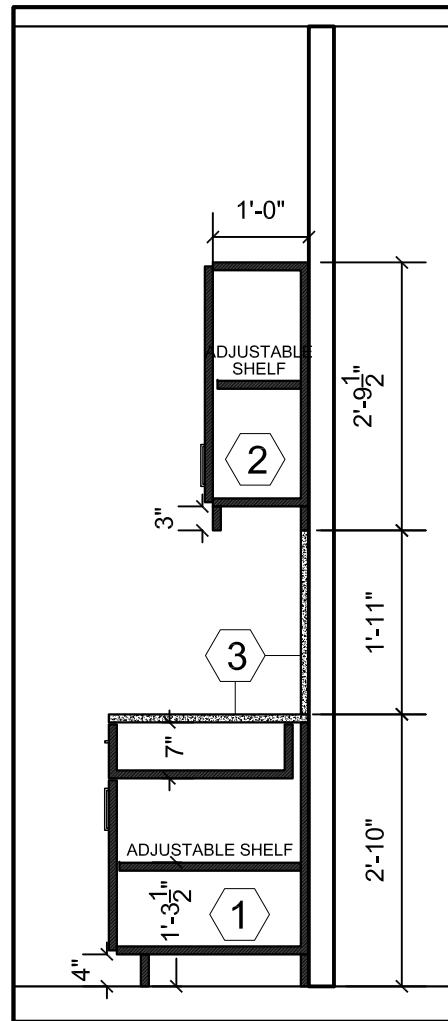


K ELEVATION
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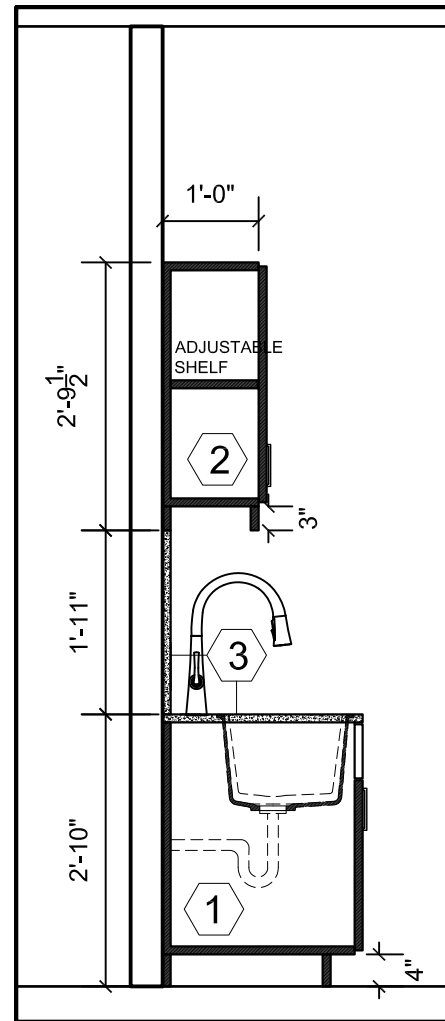


L ELEVATION
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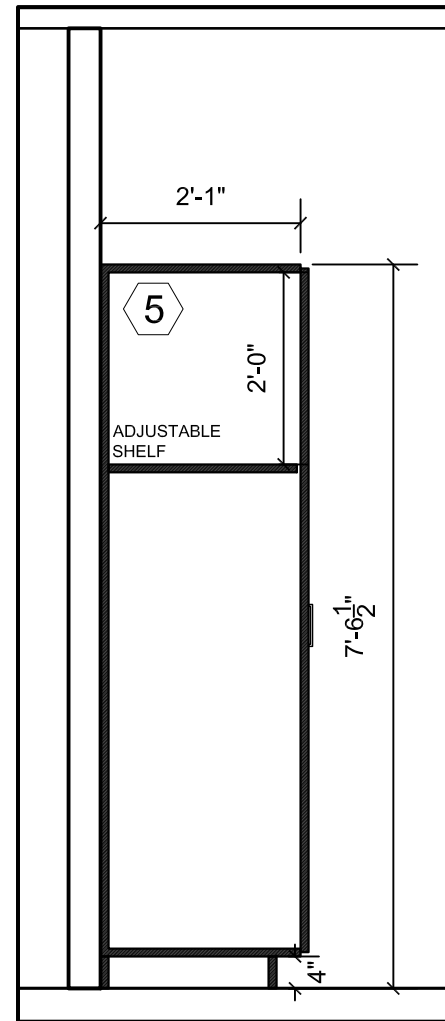
PROJECT NAME: GOVERNMENT PLAZA - PERMITTING, INSPECTIONS AND ZONING DEPARTMENT BREAKROOM REMODELING		
PROJECT NUMBER: AD-003-22	DATE: AUGUST 14, 2022	DRAWN BY : BJ
SHEET NAME: ZONING DEPARTMENT BREAKROOM FLOOR PLAN AND ELEVATIONS		A-3



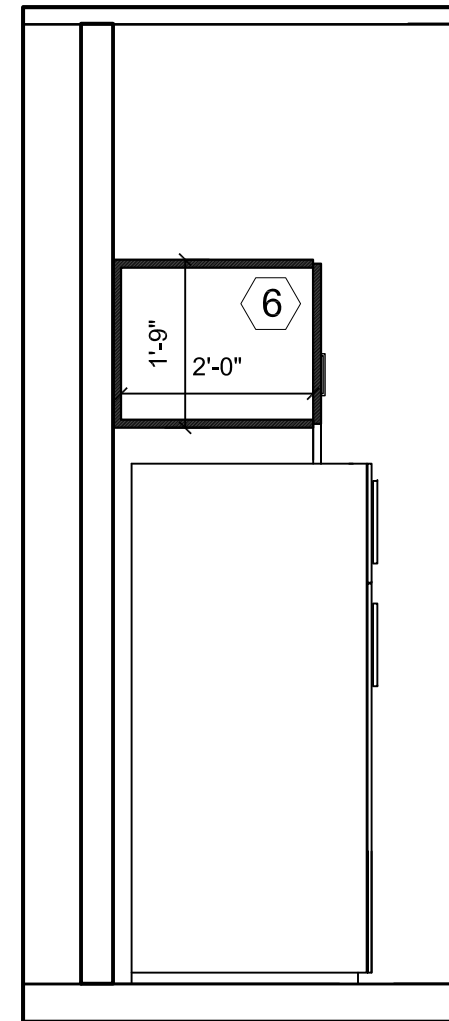
M SECTION 1
SCALE 1/2"=1'-0"



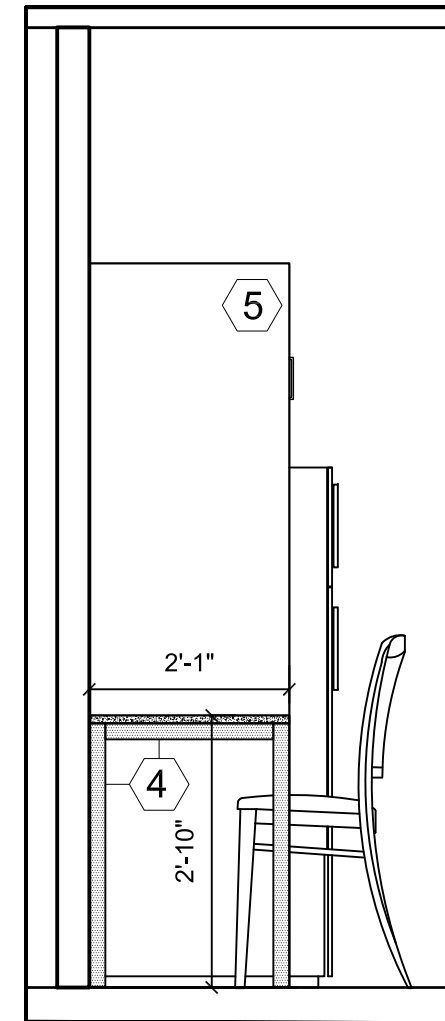
N SECTION 2
SCALE 1/2"=1'-0"



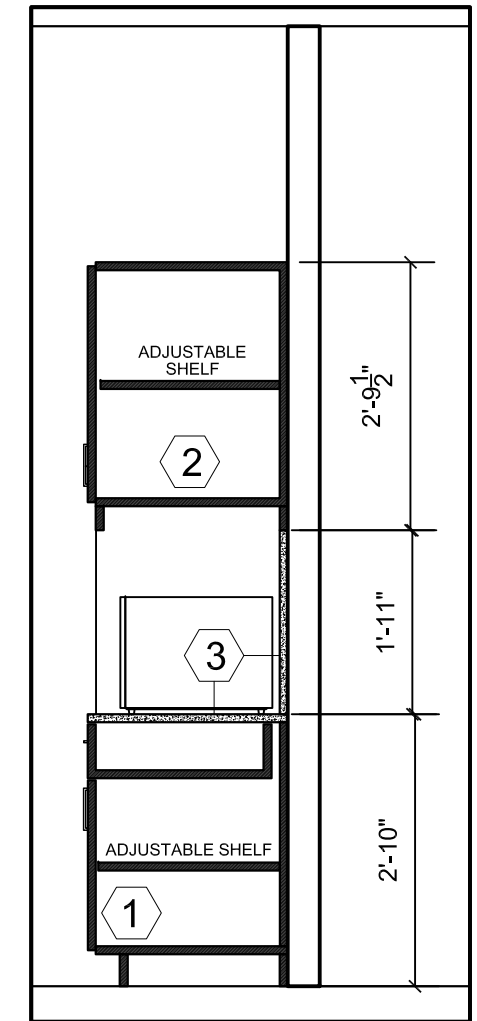
O SECTION 3
SCALE 1/2"=1'-0"



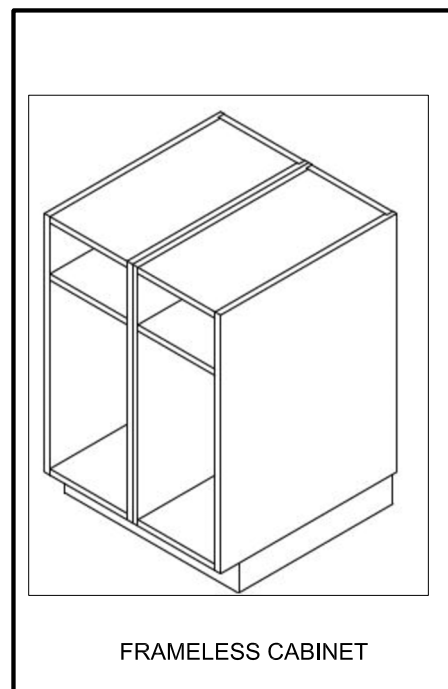
P SECTION 4
SCALE 1/2"=1'-0"



Q SECTION 5
SCALE 1/2"=1'-0"

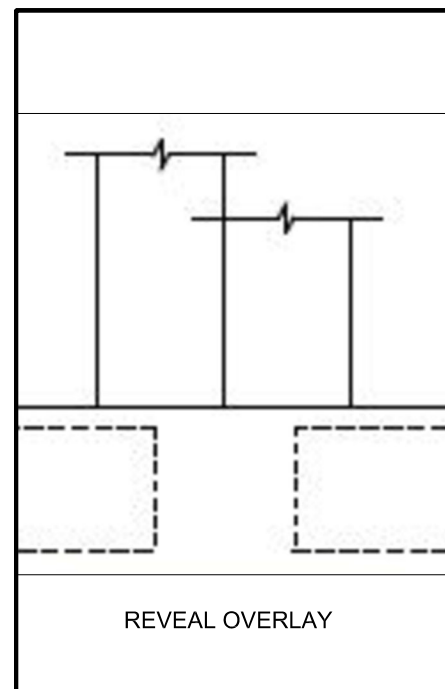


R SECTION 6
SCALE 1/2"=1'-0"



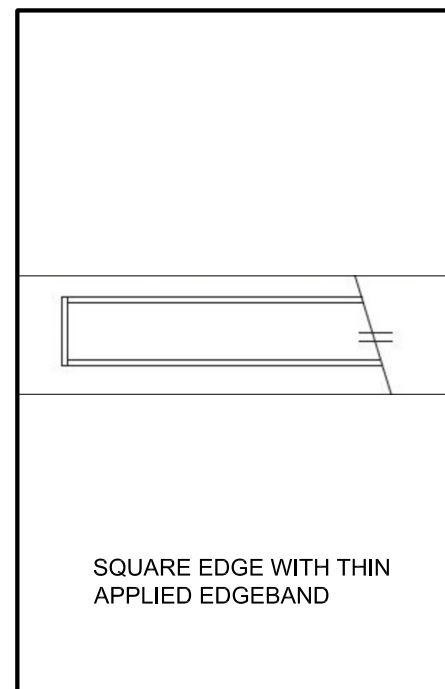
FRAMELESS CABINET

S CONSTRUCTION DETAILS
N.T.S.



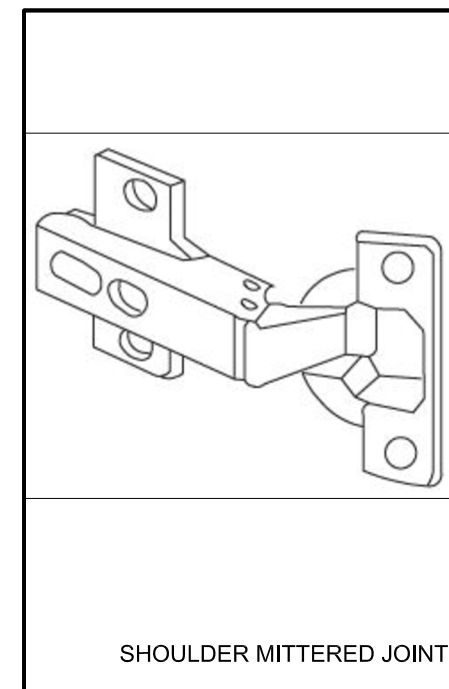
REVEAL OVERLAY

T CONSTRUCTION DETAILS
N.T.S.



SQUARE EDGE WITH THIN
APPLIED EDGEBAND

U CONSTRUCTION DETAILS
N.T.S.



SHOULDER MITTERED JOINT

V CONSTRUCTION DETAILS
N.T.S.

KEY NOTES

- ① Bottom cabinet
- ② Top cabinet
- ③ Solid surface
- ④ Wooden structure for table
- ⑤ Cabinet
- ⑥ Small top cabinet

PROJECT NAME:
GOVERNMENT PLAZA - PERMITTING, INSPECTIONS AND ZONING
DEPARTMENT BREAKROOM REMODELING

PROJECT NUMBER: AD-003-22

DATE: AUGUST 14, 2022

DRAWN BY : BJ

SHEET NAME:
SECTIONS AND DETAILS

A-4

List of Certified Fabricators sent by Avonite (Richard McArthy)

Fabrication Specialist

Mobile, AL
800-426-6473

Emerald Coast

Pensacola, FL
850-437-0747

Solid Design Fabricators

Pensacola, FL
850-484-8401

Maxwell Fabricators

Semmes, FL
251-709-2406

Gulf Coast Fabricators

Theodore, AL
251-653-4910

Delta Stone

Mobile, AL
251-660-1818

Technical questions:

Aaron Davis
Adavis@trinseo.com
Cell: 505-569-5066

Rick McCarthy

TERRITORY DEVELOPMENT MANAGER, SOUTHERN US
Mobile: +1.864.377.4994 | Email: rmccarthy@aristechsurfaces.com



Now Part of Trinseo

FABRICATION GUIDE



Questions pertaining to any procedure detailed
herein should be addressed to the Avonite Surfaces[®]
Technical Services Department.
+1 (800) 428-6648
+1 (505) 864-3800
Fax +1 (505) 864-7790

This fabrication guide has been prepared to assist the fabricator and installer in the proper methods for seaming, polishing, patching and handling our Avonite Surfaces® Acrylic Solid Surface and STUDIO Collection® design resin products.

Avonite Surfaces® brand, building and surfacing materials are warranted to be free from defects at time of manufacture. Any materials found defective will be replaced promptly.

Information or references to application, code compliance or specific standards are provided for convenience only. The accuracy or suitability of any recommendations in this guide must be verified by the user, Aristech Surfaces LLC disclaims any legal responsibility.

WHO WE ARE

Since 1983, the Avonite Surfaces® brand has been a pioneer in solid surfacing. We have been known for our unbridled passion and spirited innovations. We have been with many of you from the beginning. For more than 30 years, we've celebrated the relationship between extraordinary product, design and craftsmanship. We are inspired by and committed to designers and fabricators with a passion for bringing forth original ideas and taking them beyond the ordinary.

HOW TO USE THIS GUIDE

We at Aristech Surfaces LLC hope you will find the following Fabrication Manual to be a useful tool. It was created to help you discover unlimited design possibilities, which will lead to wonderful solutions for you and your clients. Although many applications are covered in this guide, there will be new applications that may not be covered in detail. Our fabrication guide is designed to provide you with the fundamental knowledge of fabrication. These fundamentals can be adapted for new applications.

If you have specific questions or requests, our friendly and expert technical staff is eager to help. Feel free to call your regional representative or contact us at +1 (800) 428-6648.

Important updates such as Technical Bulletins published after the printing date of this manual are also available for download. Certified fabricators should periodically check for updates and add them to this guide. For additional copies of this guide or quick references for your clients, please visit www.aristechs-surfaces.com/avonite, where the complete guide and individual sections are available for download.



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1.1

Avonite Surfaces® Product Introduction



For over 30 years the debate of polyester versus acrylic solid surface has rumbled through fabrication shops. Aristech Surfaces LLC is in the unique position of offering both types of products. These product types share many common characteristics but some Avonite Surfaces® products are so unique that they deserve special recognition for their applications and fabrication techniques.

To Fill or Not to Fill

The majority of solid surface products are composed of polymer resins and a mineral filler called alumina trihydrate (ATH). The resins are typically polyester, acrylic, or a blend of the two. Polyester resin is a thermoset polymer while acrylic is a thermoplastic resin. To produce a solid surface product with acrylic resin, you must add ATH filler. Only with the filler can you create an acrylic product that can be cut, shaped and sanded. Without the filler the acrylic resin is too soft. Solid surface products made with polyester resins do not require the ATH filler to be machined. Producers, therefore, have a choice of how much ATH filler to use.

ATH filler is a fine white powder that clouds the matrix. Products with high levels of ATH are opaque whereas products using small amounts can maintain their clarity and depth. This is where the Studio Collection® stands alone. We are the only major producer of solid surface that has chosen to create some products with minimum amounts of fillers to achieve depth and clarity found in no other solid surface product.

Our Acrylic Solid Surface products bring innovation to today's most popular colors. Our production facility allow us to produce acrylic solid surface up to 60" wide. This wide width can save you time and money by eliminating seams and reducing labor costs. These savings can be even more dramatic using our Right-Size sheet capabilities. Visit www.aristechs-surfaces.com/avonite for details.

1/2" Standard Sheet Size is 30" x 144" x 12mm
(76.2cm x 365.7cm x 12mm)

1/4" Standard Sheet Sizes are:
36" x 96" x 6mm (914mm x 2,438mm x 6mm)
48" x 96" x 6mm (1214mm x 2,438mm x 6mm)
60" x 96" x 6mm (1,518mm x 2,438mm x 6mm)

These products are made in the USA at our Florence, KY facility.

PRODUCT IDENTIFICATION:

Color ID #
8570

Wet Wall Panel System

The Avonite Surfaces® Wet Wall Panel system includes our seamless wide wall panels with optional pans and accessories. The standard wall panels are available in 36", 48" and 60" widths and a full 96" high. These standard dimensions are stocked in eleven popular colors and are available in all Avonite Surfaces® Acrylic Solid Surface products. (MOQs may apply).

Shaped Products

Fully integrated sinks provide a seamless bond between the counter and sink leaving no space for bacteria to gather. This non-porous combination remains the wise choice for healthcare facilities and more.



Our STUDIO Collection® features a wide variety of products that are unparalleled in their beauty and composition. From dynamic colors and natural textures, to our series of recycled content products and rich collections inspired by glass, concrete, and metallics, no other manufacturer offers you more choices.

Standard Sheet Size is a nominal 36" x 120" x 12mm (91.5cm x 304.8 cm x 12mm)

Custom colors are available.

These products are made in the USA at our Belen, NM facility.

1.2

Health and Safety Information

FOR SHEET AND SHAPED PRODUCTS FIRST AID PROCEDURES:

Avonite Surfaces® solid surfacing material is non-toxic; however, during fabrication such as sawing, routing, and sanding, dust consisting of cured resin and filler is generated. This dust is classified as "Nuisance Dust".

INHALATION:

- a) "Nuisance Dust"— Overexposure to dust may cause irritation of the respiratory tract. Should this happen, remove the affected individual to fresh air. If symptoms persist, consult a physician.
- b) Styrene — Although no vapor build-up is expected, excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, and even asphyxiation. Remove the affected individual to fresh air. If symptoms persist, consult a physician.

SKIN OR EYE:

- a) "Nuisance Dust"— May cause irritation. Wash skin and flush eyes with water for at least 15 minutes. Contact physician if irritation persists.
- b) Styrene — Vapor concentration is expected to be too low to cause irritation, but odor is recognizable. Excessive exposure can cause severe eye irritation and moderate skin irritation. Wash skin and flush eyes with water for at least 15 minutes.

EXPOSURE CONTROL METHODS: Provide sufficient ventilation and dust pick-up at saw, sander, drill, or router to keep dust level below 10mg/m³ TWA (Time Weighted Average) for total dust, or provide and make mandatory the wearing of NIOSH approved fitted dust respirators.

EXPOSURE CONTROL METHODS: (cont.)

Wear protective leather or cotton gloves, safety glasses, and safety shoes when installing or fabricating Avonite Surfaces® solid surfacing material.

DISPOSAL PROCEDURES: Dust from fabrication operations is non-hazardous. Collect in impervious bags. Dispose of dust and scrap in accordance with local, state, and federal regulations. FOR MORE COMPLETE INFORMATION, **REQUEST THE (SDS) SAFETY DATA SHEET.**

INLAY RESIN**CAUTION:**

- FLAMMABLE COMPONENTS; AVOID HEAT, SPARKS AND OPEN FLAME.
- WEAR SAFETY GLASSES AND PROTECTIVE GLOVES.
- FOR PROFESSIONAL USE ONLY.
- USE ONLY AS RECOMMENDED.

The Inlay Resin is a polyester resin used with MEK peroxide. These components and vapors may cause irritation of the skin, eyes, nose, and throat. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. USE ONLY WITH ADEQUATE VENTILATION; AVOID BREATHING VAPORS. WASH HANDS AFTER USE.

EMERGENCY AND FIRST AID PROCEDURES:

In case the resin or catalyst contacts your skin, wash with soap and water, for at least 15 minutes. For eyes, immediately flush with water for at least 15 minutes. Contact physician if irritation persists. In case of ingestion, immediately consult a physician or your local poison control center, identifying the catalyst as methyl ethyl ketone (MEK) peroxide solution in dimethyl phthalate containing a small amount of hydrogen peroxide, and the resin as an unsaturated polyester in styrene monomer.

SPECIAL HEALTH EFFECTS: Excessive inhalation of resin monomer may aggravate pre-existing medical conditions such as, but not limited to, chronic respiratory problems, skin disease, and central nervous disorders. There is a low health risk from inhalation of the filler dust. Avoid inhalation or eye contact.

DISPOSAL PROCEDURES: Un-reacted resin and hardener are classified as hazardous waste. All components should be disposed by mixing so that they react and become fully cured and solid. At this point, they can then be disposed in accordance with local, state, and federal regulations, as non-hazardous solid waste.

**FOR MORE COMPLETE INFORMATION,
REQUEST THE (SDS) SAFETY
DATA SHEET.**

or visit www.aristechsurfaces.com/avonite

Avonite Surfaces® SOLID SURFACE ADHESIVE

- FLAMMABLE COMPONENTS:
Avonite Surfaces® Solid Surface Adhesive Component A contains acrylic resin and Component B contains benzoyl peroxide. The liquid and vapors may cause irritation to skin, eyes, nose and throat and may cause an allergic skin reaction.
- AVOID HEAT, SPARKS, AND OPEN FLAME
- USE ONLY AS DIRECTED
- WEAR SAFETY EYE PROTECTION
- AVOID CONTACT WITH EYES, SKIN, AND CLOTHING
- HAVE ADEQUATE VENTILATION
AVOID BREATHING VAPORS
- WASH HANDS AFTER USE

EMERGENCY AND FIRST AID PROCEDURES:

If the Avonite Surfaces® Solid Surface Adhesive resin or hardener contacts your skin, wash with soap and water for 15 minutes. For eyes, immediately wash thoroughly with plenty of water for 15 minutes and consult a physician. In case of accidental ingestion, immediately

consult a physician or your local poison control center, identifying the hardener as benzoyl peroxide in plasticizer and the resin as acrylic resin in methylmethacrylate monomer.

SPECIAL HEALTH EFFECTS:

Excessive inhalation of resin monomer may aggravate pre-existing medical conditions such as, but not limited to, chronic respiratory problems, skin disease, and central nervous disorders and may cause nausea and loss of consciousness.

DISPOSAL PROCEDURES:

Acrylic resin and hardener when disposed in liquid state are hazardous waste but when mixed and polymerized are non-hazardous solid waste. Dispose of used or unused Avonite Surfaces® Solid Surface Adhesive by mixing components, allowing the mixture to solidify, and then disposing in accordance with applicable local, state and federal regulations. The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility.

**FOR MORE COMPLETE INFORMATION,
REQUEST THE REQUEST THE (SDS) SAFETY
DATA SHEET.**

or visit www.aristechsurfaces.com/avonite

1.3

Storage and Handling

FIGURE A

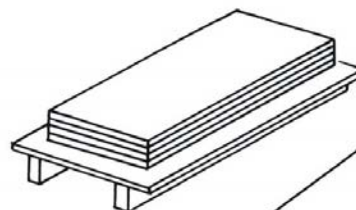
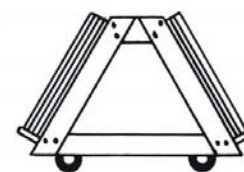
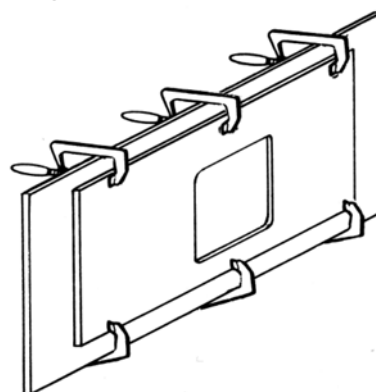


FIGURE B



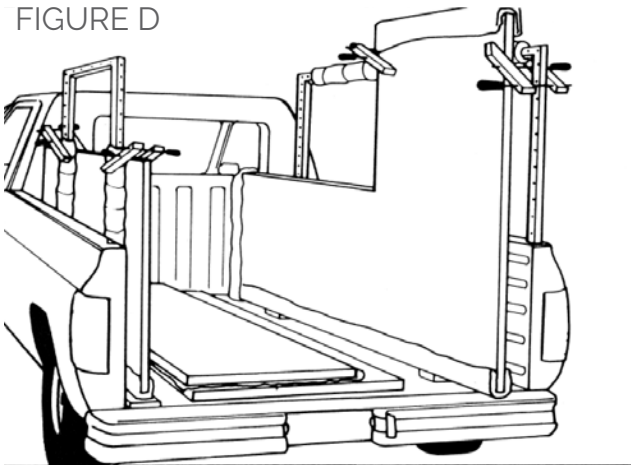
Avonite Surfaces® material should always be stored FLAT and evenly supported. **Figure A** demonstrates a framed substrate. **Figure B** is an A-Frame storage bin. . Material must be stored under roof that provides protection from exposure to direct sunlight and precipitation (rain, snow, etc.). Material should not be exposed to extreme temperature changes (>20° F in one hour).

FIGURE C



Always carry sheets upright in a vertical position. To avoid chipping and scuffing, do not drop or drag sheets. Fabricated sections with angles or seams should be handled carefully with support at the angled or seamed area. A carrying board should be used for tops with cut outs (**Figure C**).

FIGURE D



Avonite Surfaces® can be transported lying flat on an evenly supported and padded surface. Large fabricated sections should be transported on edge. Pad the edges to prevent damage and brace to prevent movement (Figure D). When transporting Avonite® sheets in an exposed vehicle, pieces should be wrapped to prevent damage from extreme temperature changes. Avoid exposing fabricated pieces to direct sunlight. Uneven solar heating will cause distortion of fabricated parts. Allow pieces to cool to room temperature at the job site prior to installation.

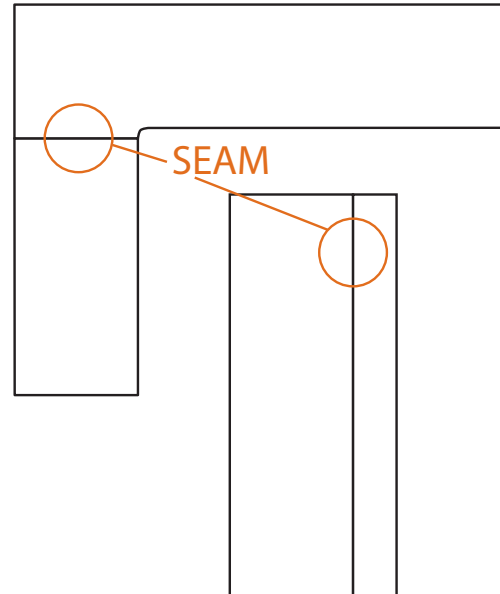
1.4

Color Matching

Every Avonite Surfaces® sheet has a label which displays an identification number. When ordering multiple sheets to be seamed, be sure that sheets come from the same batch.

Please notify the distributor of this fact when ordering. Advise that you need sheets with consecutive numbers. Although Avonite Surfaces® sheets have been inspected prior to shipment, always remove the peel coat and inspect for color consistency, surface blemishes, warping, and dimensional consistency.

Remove the protective peel coat and arrange the sheets in the manner in which they will be installed. Sand 12"-16" (305mm - 407mm) of the surface to verify color match. After sanding, wet the material with alcohol or water.



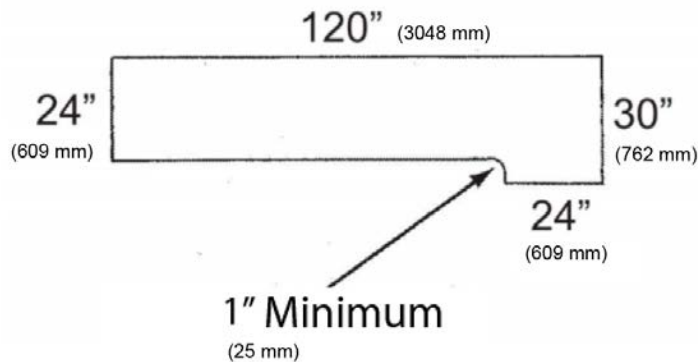
1.5

Layout

THE L - TEMPLATE

The L-Template is a convenient way to fabricate the L or U shaped counter top. The L-Template should be 10' (305cm) long by about 30" (76cm) wide. The inside corner will have a minimum 1" (25.4mm) radius. The L-Template may be reversed and used for either side. Clamp the L-Template securely to the Avonite Surfaces® material. Place some registration marks on the backside and end of the template. Use a 3 HP router and template guide for cutting. After cutting, turn the material bottom side up to bond on the drop edge and inside corner build up. When the Avonite Surfaces® Solid Surface Adhesive has cured, turn the material face up and re-clamp the L-Template. Using the registration marks, place the template far enough back to remove the excess material and Avonite

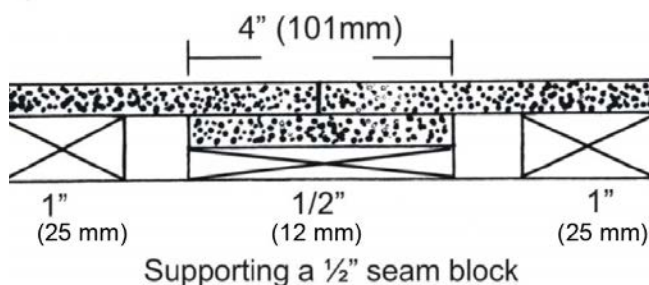
Surfaces® Solid Surface Adhesive. This will result in a clean and smooth edge requiring minimal sanding.



LOCATING SEAMS

When you lay out your job, consider where you need to place the seams. Make as many seams as possible in the shop and not in the field. All seams must be supported. Avoid placing seams in the following locations:

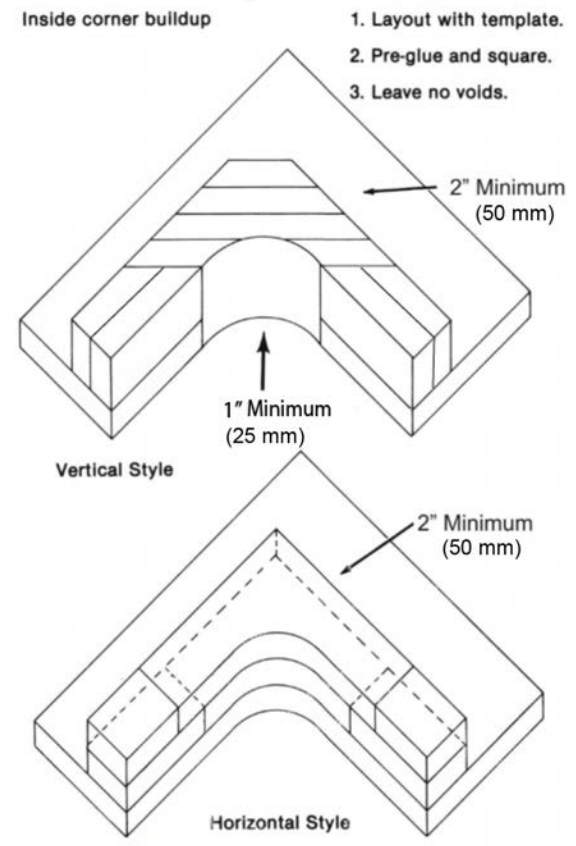
1. Inside corners minimum 1" (25 mm)
2. In cut outs
3. Over dishwashers or other heat producing appliances
4. When using dark colors, avoid placing seams in direct sunlight



SEAM BLOCKS

The use of seam blocks is recommended for all seams. Seam blocks should be 4" (101mm) wide and at least 1/2" (12mm) thick. Join the seam block to the underside using Avonite Surfaces® Solid Surface Adhesive. Spread the adhesive over the entire surface so there are no voids. The seam block should cover the entire length of the seam.

Seam blocks are highly recommended. Seams are not covered under warranty. The seam block provides you with the strongest seam possible.



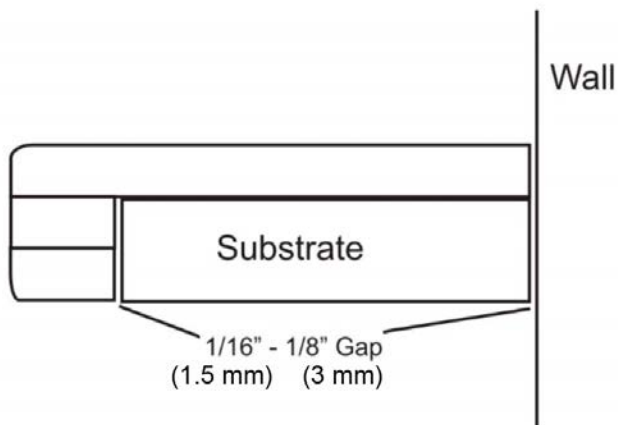
INSIDE BLOCKS

Avonite Surfaces® material requires a minimum 1" radius on drop edge inside corners. This diagram shows the recommended build-up. After the build-up is made, use a template to cut the desired radius (see L-Template).

EXPANSION AND CONTRACTION

Like all solid surface materials, Avonite Surfaces® material expands or contracts with temperature variation. The following changes in length may occur with a swing in temperature of 55° F (31° C).

Class I (Filled)—1/8" (3mm) for every 10' (304.8cm)



Section Drawing "Counter Top"

TILE BACKSPLASHES

The transition from tile to Avonite Surfaces® should be silicone sealed and not grouted.

2.1

Tooling

Avonite Surfaces® material can be easily machined with ordinary woodworking tools, such as routers, saws, planers, lathes, drills, and sanders. All blades and bits should be carbide tipped.

ROUTERS

For general purpose routing, a 1-1/2 to 2 HP router maybe used. For heavier cutting of thick edges and cut outs, a 3 HP router is recommended. A 1/2" (12.7mm) shank carbide bit is needed to minimize chatter for all routing with the exception of small details like a 1/4" (6.3mm) round over or a pin stripe inlay. Avonite Surfaces® material should be properly supported during all phases of fabrication.



CUT OUTS AND CURVED CUTS

A template and a router is mandatory for all cuts. The use of a saber saw will leave a rough edge where stress cracks can occur. Use a template for all inside and outside corner radiuses.

Helpful Tip

Two square feet of color matched material should be left on the job site for future repairs. Material should be placed under a bottom drawer or mounted to the inside of the sink cabinet. Mark the material to identify it is for potential repairs.

TABLE SAWS

A table saw with a minimum 2 HP motor can be used to cut Avonite® materials. The sheets should be cut face up. A good quality rip fence is necessary for accuracy. A triple chip bevel saw blade is needed for a clean cut with minimum chipping. A 10" (254mm) diameter blade should have 40 teeth with a 20° positive hook. Raise the blade 1-1/4" (32mm) above the surface of the material for the best results.



RADIAL ARM AND MITER BOX

A triple chip bevel saw blade should be used for clean cuts. These saws require a 10" (254mm) diameter blade with 60 teeth and a 5° positive hook.



Triple Chip Bevel

TOOLING SUPPLIERS:

Forrest Manufacturing

www.forrestblades.com

1-800-733-7111

Specialtytools.com

1307 Oak Ridge Farm Hwy

Mooresville, NC 28115

800-669-5519

904-880-4944

The Pinsky Edge

119 Main Street, PO Box 68

Plato, MN 55370 USA

800-874-6753

320-238-2196

FESTOOL Products

www.Festoolproducts.com

247 Mahopac Avenue,

Yorktown Heights, NY 10598

877-866-5688

Fred M. Velepec Co. Inc.

www.velepectools.com

71-72 70th Str.

Glendale, NY 11385

800-365-6636

Monument Tool Works

28 Mill St,

Assonet, MA 02702

508-644-2400

2.2

Machining Seams



Use a good quality 1-1/2 – 2 HP router. Refit base with square base. Two dimensions on base allow you to turn base and remove an additional 1/16" (1.5mm). Always use a 1/2" (12.7mm) double fluted carbide router bit.



Set the router flat against straight edge. Move router with even feed speed. Allow router sound to indicate the rate of feed.



After routing edges, dry fit to assure a flat, true edge. In the dry fit process, the seam should virtually disappear. If the seam is not done correctly, redo by taking off an additional 1/16" (1.5mm). Check by dry-fitting again.



After routing, check again for a quality dry fit. Only after you have achieved a good dry fit should you proceed.

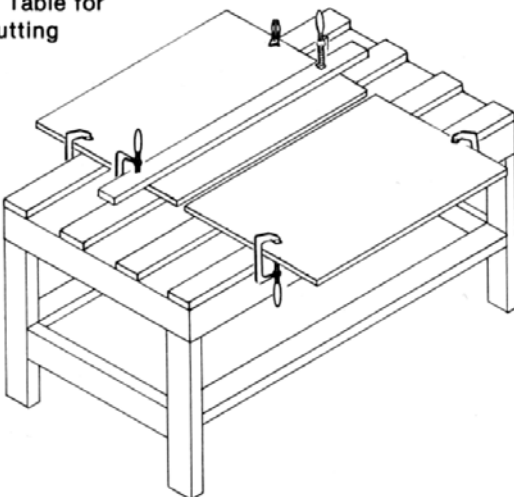
2.3

Seam Preparation



With 100 grit sand paper on a hardwood block, lightly score the edges to be seamed together. This step aids the adhesion between the two surfaces. Make one or two passes only. Be careful not to sand the top edge.

Seaming Table for Mirror Cutting



MIRROR CUTTING

Mirror cutting is a method of machining seams which cuts both edges to be seamed at the same time. Use only a 1/2" (12.7mm) shank double fluted bit. Place the two pieces to be seamed 1/4" (6.3mm) apart and secure them firmly to prevent movement. Clamp your straight edge to one side. The router must be fed through with a continuous movement without stopping. The two pieces will fit together exactly.



WAVY BIT SYSTEM

Another way to machine seams is to use the Wavy Edge Router Base and Bit to make two interlocking surfaces that fit snugly together. The seam edges align perfectly and do not slip, and a wavy surface seam is stronger because it has more adhesive area allowing better bonding. Here's how: rout one seam edge with one side of the stepped Router Base, then rotate the router 180 degrees and rout the other seaming surface. Use a high-grade carbide bit with a reversible insert blade to cut the wavy seam. Inserts eliminate re-sharpening and ensure the accuracy of every cut. You save time preparing the seams, and the automatic alignment means you will not do as much sanding to get a professional finish.



2.4

Joining

Avonite Surfaces® Adhesive

Our adhesive is a pre-tinted two part adhesive and cures in approximately 40 minutes and is available in 250 ml. cartridges. The adhesive is available in several colors and clear for excellent color matches. It is specially formulated to offer superior bond strength for all Avonite Surfaces® products.



CARTRIDGES

Each cartridge contains 250 ml (10 oz.) of adhesive and will adhere 35 to 45 feet (12.1M) of 1/2" (12.7mm) seam. The adhesive flows through a static mixer tube and is ready for use. Two mixer tubes are included with each cartridge. To assure positive flow of activator, dispense a small quantity of adhesive before installing mixer tube. 50ml sizes are also available for European locations.

**REFER TO MACHINING SEAMS SECTION
BEFORE APPLYING ADHESIVE**

ADHESIVE STORAGE

It is recommended that the adhesive be stored in a refrigerator for extended life. The adhesive should be acclimated to at least 60°F or 15°C before being used. Store cartridges in an upright position as shown in photo. Storage at temperatures above 75°F or 24°C may affect the shelf life, and could adversely affect proper curing of the adhesive. All cartridges are dated with an expiration date. Do not use expired adhesive.

FINAL PREP

After the dry fit is complete and you are ready to join the seam, clean edges thoroughly with isopropyl alcohol. Have seam blocks in place.



Scoring the top of the surface strengthens the bond of the excess adhesive. This helps prevent the critical top layer of the seam from pulling out when machined.

FABRICATION TIP

From time to time the bead of adhesive dispensed with the Avonite Surfaces® Solid Surface Adhesive cartridge will not contain the prescribed amount of hardener. This may arise for a variety of reasons, but the end result is that small sections of the seam may not set up as rapidly as others. There are techniques that will reduce the variation in setup time. Once the bead of adhesive has been dispensed, a popsicle

stick applicator may be used to spread the adhesive over the bonding surface. This serves to more uniformly blend the adhesive with the hardener and prevents variation in the curing time of the adhesive. Another helpful technique used frequently is to dispense two thin beads as opposed to one thick bead. This method overlaps any possible gap in the hardener and prevents uneven hardening.

DISPENSING OPTIONS

Avonite Surfaces® adhesive cartridges are designed to fit only in a 10 to 1 ratio system. Our systems are available in both manual and pneumatic styles.

Unique Properties

- The activator is opaque and viscous, much like a paste.
- The resin is similar to the viscosity of honey.
- The “clear” Avonite® Solid Surface Adhesive is “foggy” in appearance rather than “water clear.”

For a complete list of current adhesive colors, please see Tables A.2 and A.3 in this manual, or visit www.aristechsurfaces.com.

FABRICATION TIP

When a small amount is needed there is no reason to waste a mixing tube. Simply remove the end plug and squeeze the adhesive into a paper cup and stir for one minute.



2.5

Clamping Seams

CLAMPING METHODS

Before clamping seams, be sure to double check the following:

1. Surfaces to be bonded are properly scuffed with 100 grit sandpaper.
2. Separation paper is in place.
3. Pieces are properly aligned and level.
4. Edges are clean.

Prepare some reusable glue blocks made from scrap pieces of Avonite Surfaces® material. They should be 1"(25.4mm) thick by 1-1/2" (38mm) w x 2" (51mm). Bevel the edges and drill 1/4" (6.3mm) holes as shown in Figure A so the isopropyl alcohol will penetrate and release the hot melt bond when it is time to remove them.

On a standard countertop, hot melt 3 pairs of blocks about 6"(152mm) apart across the seam area. Bar clamps are then used to bring the joint together. Be sure the glue squeezes out to ensure a tight seam. However, avoid using excessive pressure which may cause too much glue to be squeezed out resulting in a weak joint.



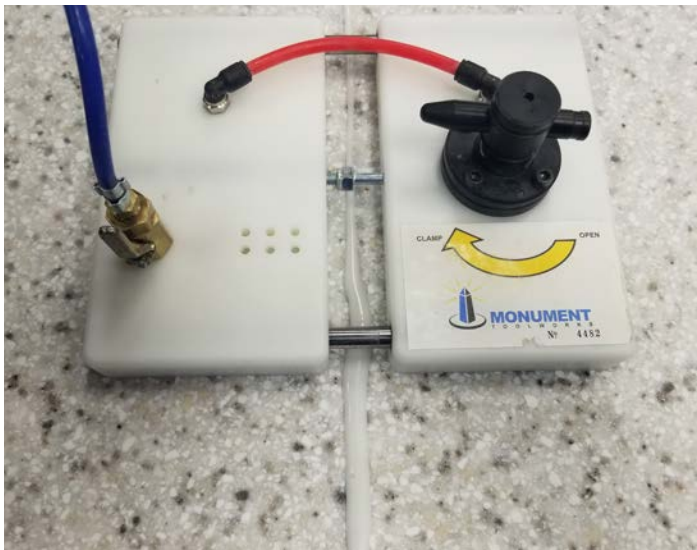
After the adhesive has cured, remove the blocks by applying isopropyl alcohol and allowing a few moments for the hot melt to soften. Also apply alcohol in the 1/4" (6.3mm) holes to allow for penetration of alcohol in the center of the block. Then place a chisel under the beveled edge of the block and gently pry; do not use excessive force. If the block does not free immediately, apply more alcohol and allow to soak for a while longer.

Other effective clamping methods use the Pinske Power Grips with brackets and turnbuckle, as shown below.



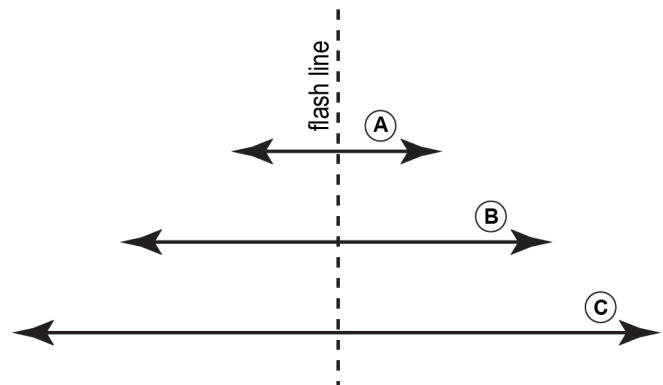
or the Paralign Clamps shown on page 17 (Available through Monument Toolworks).

Other innovative devices designed by independent suppliers may save time or simplify difficult tasks. If there is any question regarding the use of such devices, please contact Avonite Surfaces® Technical Services at +1 (800) 428-6648.



SANDING SEAMS

The following procedure will efficiently finish seam areas. For illustration, please refer to the below



2.6

Finishing Seams

REMOVING THE FLASH LINE

Do not attempt to sand away the flash line with a belt sander. Instead, attach two skis to the base of a router. Use a flat bottom cutting bit and lower the cutter to just over the surface of the sheet. Cutting the flash line off this way eliminates sanding time.



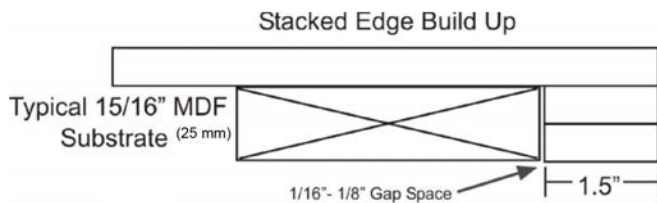
1. Trim the AvoniteSurfaces® Solid Surface Adhesive flash line with router on skis or offset trim router.
2. The remainder of the flash line should first be sanded with 100 micron paper. It is important that sanding extend on either side of the seam, without concentrating directly on the seam, as illustrated by Point A. The 100 micron sanding should extend to about 6" (152mm) on either side of the flash line. Concentrated sanding could cause a valley, or dip, in the seam area.
3. The next step is to sand with 80 micron paper. The sanding area now extends to about 12" (305mm) on either side of the flash line, as shown in Point B.
4. Once the seam is sanded level, continue the standard finishing procedure by feathering out the finish in the seam area to blend with the final finish of the top, as shown in Point C.

2.7

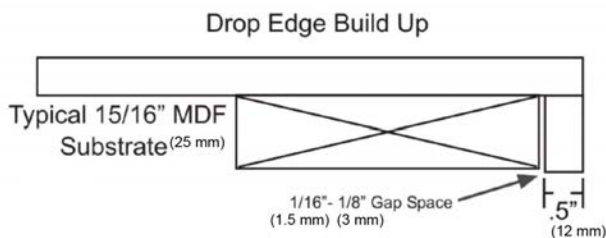
Edge Build-Ups

GENERAL REQUIREMENTS

The construction of your edge build up is determined by the profile you wish to achieve. Strips are laminated together to acquire the bulk for the design. Confirm that your construction provides a minimum 1/2" (12.7mm) of bonding surface area after the profile is cut. Larger bonding surfaces create stronger edges. The diagrams below demonstrate construction methods referred to as Stacked Edges and Drop Edges. In general, Stacked Edges provide the greatest bonding surface area and therefore are the preferred method. Stacked Edges also allow layers to be put on one at a time. This ensures tighter joints and to offset the build ups at inside corners. Sand all surfaces to be glued with 100 grit paper sanding block to enhance the bond. **It is highly recommended that all edges have a minimum 1" (25.4mm) bonding surface.**

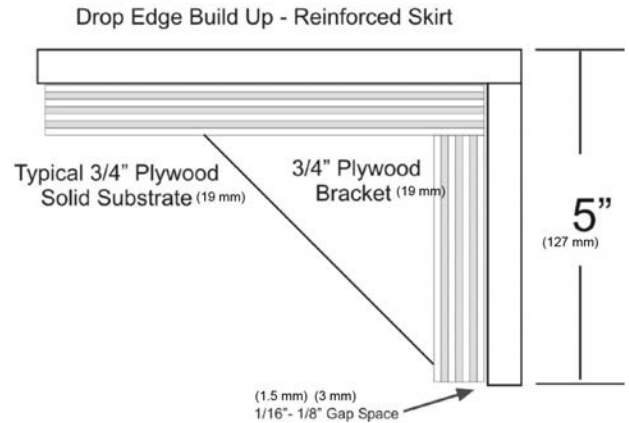


Stacked Edges: laminate strips together for the desired thickness. SAND BOTH SIDES of the strips with 100 grit. Laminate strips face to back.



Drop Edges: use a single strip turned vertically on edge. This is a common method but is

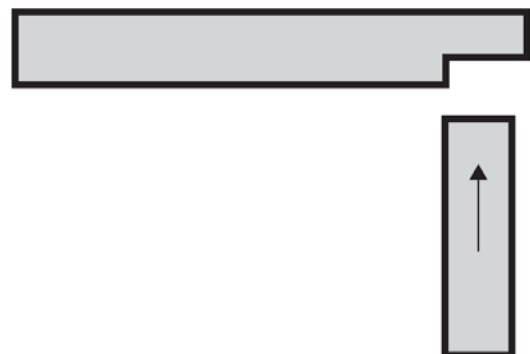
the weakest construction method due to the minimum bonding surface area. This method is also limited to small round over or beveled profiles. Additional strips can be used to increase bulk and strength. A rabbet joint can be useful for hiding seams with colors that patterns when utilizing a dropped edge.



Any drop edges greater than 1-1/2" (38mm) tall require reinforcement. The above shows a typical skirted front vanity. Note that the skirt is reinforced by plywood. The plywood substrate is also reinforced with brackets to prevent damage.

For added reinforcement we recommend gluing a 1/2" (12.7mm) x 1/2" (12.7mm) slice of solid surface behind the skirt edge joint.

V-Grooving edges is another form of drop edge. Although the bonding surface is somewhat increased, any v-groove edges over 1-1/2" (38mm) tall should be reinforced.



Rabbet Joint, shown above.

2.8

Clamping Edges

LAMINATING BUILD-UP DIRECTLY ON COUNTERTOPS

Edges should be straight and free of chatter-marks. Clean bottom of sheet and fascias with isopropyl alcohol. Light block sanding may be needed where edge is to be applied.



Dry fit and mark where they go with arrows. Hot melt some guide blocks along the backside of the edge.

Glue and clamp one edge build up at a time to prevent glue from setting up before build up strips are applied.

Apply two small beads of adhesive to the surface.

Place the drop edge in the glue and make sure an even flash line develops.

Hold the drop edge back 1/8" (3mm) to avoid any chip out on seamed edge.

Place spring clamps 2" (51mm) to 3" (76mm) apart.

Keep clamps straight to avoid tilting the drop edge back. The tips of the clamps should be in the center of the drop edge.

After the adhesive has cured, clamps may be removed. The edge can now be routed to your final configuration.



2.9

Machining Edges

LISTEN TO YOUR TOOLS

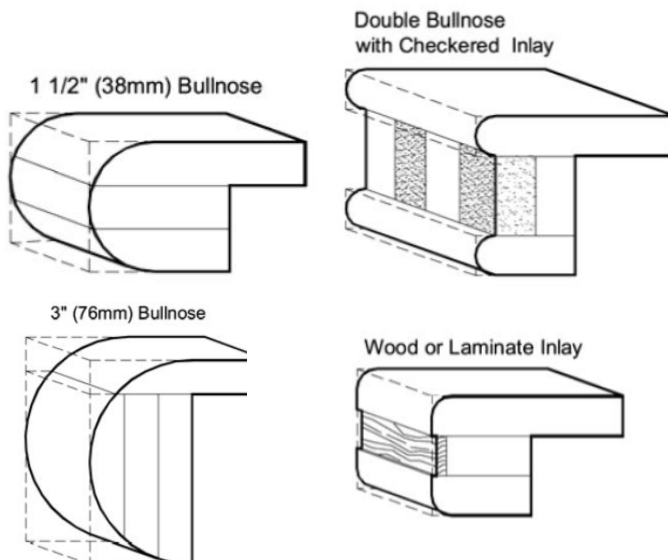
By using a high quality router and reasonable feed speed, detailed cuts can be easily achieved. Keep the router steady and make a smooth pass without stressing the motor as this can cause chatter and more labor time. Heavier cuts, such as those for a 3" (76mm) bull nose can be produced by laminating several pieces together and machining in two steps.

For Best Results...

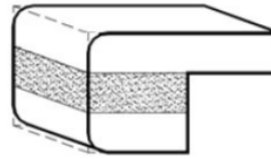
Use a 1/2" (12.7mm) shank profile cutter. Sharp cutters require less sanding.



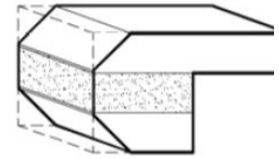
COMMON CONSTRUCTION METHODS FOR POPULAR EDGE PROFILES



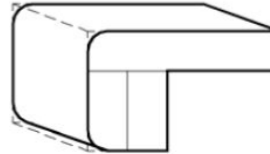
Roundover/Color Accent



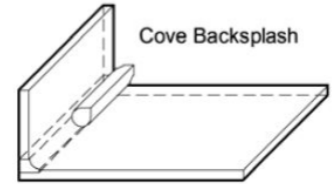
45° Beveled



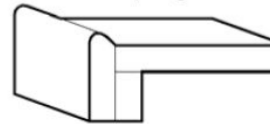
Roundover



Cove Backsplash



No Drip Edge



2.10

Sanding and Polishing

FINISHING

The final finish of your application must be specified and understood by the end user. Most customers choose the Satin or Polished finish.

All Avonite Surfaces® sheets come from the factory with minor linear sanding lines. These lines are 60 micron or a 280 grit finish on the face. To obtain any of the possible finishes these sanding lines must be removed. This is accomplished by starting the sanding process with 60 micron.

Using a 6" (152mm) or 8" (203mm) random orbital sander will reduce your sanding time by HALF over conventional vibrating sanders and will achieve a more uniform finish. Whenever possible, use a sander with a vacuum attached (especially if the tops are polished) to minimize grinding dust back into the top.

Sanding Process

1. Move the sander in a back and forth direction.
2. Overlap each pass by 50%.
3. Sand at a slow and even pace, approximately 1" (25.4mm) per second.
4. Keep micron paper clean from sanding dust. This is easily done by putting the sanding pad on a piece of carpet while running and hold it down for a few seconds (check paper frequently).



**Each sheet of micron paper will sand 10 sq. ft (about 1 sq. M) of Avonite Surfaces® material.*

Sanding Progression Table - Light Colors

Matte			Satin			Polished		
Micron (Dry)	P-Grade (Dry)	Trizact™ (Wet)	Micron (Dry)	P-Grade (Dry)	Trizact™ (Damp)	Micron (Dry)	P-Grade (Dry)	Trizact™ (Wet)
100 *	P150*	100 (dry)*	100 *	P150*	100 (dry)*	100 *	P150*	100 (dry)*
60	P240	268XA A35 (Green) (Damp)	60	P240	268XA A35 (Green) (Damp)	60	P240	268XA A35 (Green) (Damp)
Scotch-Brite™ 7447 (maroon)			30	P400	268XA A10 (Blue) (Damp)	30	P400	268XA A10 (Blue) (Damp)
			Scotch-Brite™ 7448 (gray)			Brown Sattex		268XA A5 (Orange) (Damp)
						Blue Sattex		
*Initial grit only required if scratches need to be removed						Finesse-It Finishing Material		568XA CeO (White) (Damp)

Use only one class of abrasive media for the entire finishing process. Do not mix media as the abrasives at each step are not always equivalent.

Sanding Progression Table - Dark Colors

Matte			Satin			Polished		
Micron (Dry)	P-Grade (Dry)	Trizact™ (Wet)	Micron (Dry)	P-Grade (Dry)	Trizact™ (Damp)	Micron (Dry)	P-Grade (Dry)	Trizact™ (Wet)
100 *	P150*	100 (dry)*	100 *	P100*	100 (dry)*	100 *	P150*	100 (dry)*
60	P240	268XA A35 (Green) (Damp)	60	P240	268XA A35 (Green) (Damp)	60	P240	268XA A35 (Green) (Damp)
Scotch-Brite™ 7447 (maroon)			30	P400	268XA A10 (Blue) (Damp)	30	P400	268XA A10 (Blue) (Damp)
			Scotch-Brite™ 7448 (gray)			Brown Sattex		268XA A5 (Orange) (Damp)
						Blue Sattex		268XA A5 (Orange) (Damp)
						Finesse-It Finishing Material		568XA CeO (White) (Damp)

*Initial grit only required if scratches need to be removed

Use only one class of abrasive media for the entire finishing process. Do not mix media as the abrasives at each step are not always equivalent.

Matte Finish

After removing the linear sanding lines with 60 micron paper, place a Scotch-Brite® pad, (#7447 Red) under the sanding pad to even out the finish. The matte finish is easily maintained and is usually the most suitable for lighter colors. Make sure the customer understands the required maintenance for the finish they have chosen. Most solid surface samples are Satin finished and likely will be what the customer is expecting.

Satin Finish

Sand with 60 micron paper, repeat sanding process with 30 micron paper. Place Scotch-Brite® pad (#7448 light gray) under sanding pad. Sand with Scotch-Brite® #7448 and soapy water. Homeowners may maintain this finish using a white Scotch-Brite® and Soft-Scrub.®

Polished Finish

After sanding with 60 micron paper, repeat the sanding process with 30 micron paper. Whenever possible, use a vacuum attached to the sander to minimize sanding dust back into the surface top. Dark colors with a high gloss finish show wear very quickly. A dark color is

not recommended for heavy use areas.

Finishing Guidelines

You should become familiar with the different colors and options you present to your clients. Most customers are expecting the gloss level they have on the sample they are choosing from. Download and print our Finishing Guidelines document. Go over these guidelines with your customers to help manage expectations.



The buffer should be variable speed between 1000-3000 RPM. Best results are achieved at lower speeds.



2.11 Sanding and Polishing *DRY CUT

POLISHING WITH THE Avonite Surfaces® DRY-CUT SYSTEM

Another effective polishing method involves the use of the Avonite Surfaces® Dry-Cut Finishing System abrasive bars. This is a three step system that quickly and easily removes sanding scratches. Since the compound is a solid it can be cleaner to use than 3M Marine Paste. Apply sparingly to the buffing wheel and it stays there to efficiently create a high luster finish.



Step 1: (Brown Bar)

The first step in polishing with the Avonite® Dry-Cut Finishing System is to use the brown bar (SM4036-A) with a 3M Super Duty 2+2 pad (white). Start with the Avonite® material sanded to a 30-micron finish. The brown bar must be applied directly to the buffing pad. With the buffing pad turned up and buffer running, press the bar firmly against the pad allowing it to buildup on the pad. Begin buffing the material, and be sure to apply enough pressure to deflect the pad as shown on page 2.14. Add material to the buffing pad if you feel you need more to ensure you do not build up excessive heat by using a dry pad. Repeat Step 1 as necessary to remove all of the 30-micron swirls.

Step 2: (Blue Stick)

This step will remove any marks left by the more aggressive cutting brown bar. Reverse the white pad and apply the blue stick compound (SM4036-B) to the pad. The blue stick must be applied directly to the buffing pad. With the buffing pad turned up and buffer running, press the stick firmly against the pad allowing it to build up on the pad. Add material to the buffing pad as you feel is needed to ensure you do not build up excessive heat by using a dry pad. Repeat Step 2 as necessary until you have removed the buffing swirls resulting from Step 1. To achieve a high gloss finish, complete Step 3.

Step 3:

This is the final step in achieving a high gloss finish. Remove any residue from the previous steps by using 3M's Finesse-it Finishing Material (#81235) with 3M's Super Buff Polishing Pad (yellow) at the lowest power setting. This step will remove any swirl marks that may have resulted from Step 2 and produce a high gloss finish. Reverse the yellow pad for final clean up.

2.12 Finishing Guidelines

Avonite Surfaces® Color And Finishing Guidelines

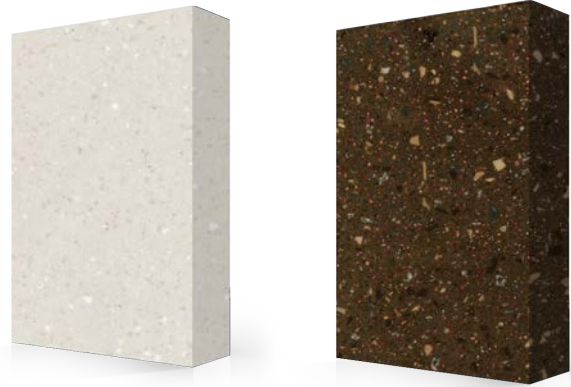
Avonite Surfaces® offers a wide range of unique products that are used in many different applications. Some of these products may not be suitable for high traffic applications due to their unique characteristics, dark hues, and saturated color.

Choosing the Right Finish

The design flexibility of solid surface offers us limitless options for style. With so many choices it makes it difficult to choose sometimes. One of the most confusing issues is the subject of finishing. Most manufacturers present 3 options commonly referred to as matte, satin, or gloss and ask the end user or designer to choose one of these. Quite often the contractor's quote assumes the least expensive matte finish as the default unless otherwise noted.

If the finish options are not discussed, most of the time customers are expecting to get the finish on the sample they are looking at when they choose the color. Managing the customer's expectations for finishing choices and overall performance is critical.

Choosing the right finish requires consideration of the color, texture, and application. Where it may be easier for a manufacturer or contractor to advise against a polished finish in a kitchen because of the concern for maintenance, it should not be the polished surface that causes concern but rather the color choice. Here is an example. Let's compare two color options both from the Avonite Surfaces® 100% acrylic solid surface product line for an average kitchen countertop: Casablanca (Left) and Dark Roast (Right).



The light and neutral Casablanca will not easily show signs of everyday wear but the Dark Roast may show early signs of wear simply because of its color. This scenario would be true regardless of the finish chosen. A polished Casablanca countertop can go years without showing any wear.

Finishing Dark Colors

This is a good time to discuss what finishes are appropriate for dark and rich colors like Dark Roast. There are some of these colors in everyone's sample box. When it comes to extra dark colors like these, the "matte" finish is a very poor choice. Rough matte finishes on dark colors leave surfaces looking chalky and they easily smudge with fingerprints. All dark colors should have a minimum "satin" finish. Manufacturers put a minimum satin finish on the samples in their sample boxes because all of the colors look much better and cleaner.

Maintenance

Now let's consider the question of long term maintenance for different colors and finishes. Regardless of which finish was originally chosen, similar finishing steps must be applied to restore the surface to its original finish. There are two steps for a matte, three for a satin, and four steps for a high gloss. Because of the specialty equipment used to achieve a high gloss, end users wanting a polished finish must be prepared to acquire this equipment and technique or contract their installer to

refinish their surfaces periodically every 4 or 5 years depending on the application. In most cases, countertops that are used and cleaned everyday develop their own level of "patina". Matte surfaces become more reflective with use. It is generally agreed that the satin finish offers end users the best look with the minimum required maintenance. However maintaining a polished surface is only one more step than a satin finish. Overall hardness and scratch resistance of all solid surfaces are relatively the same. Anything that is harder than the surface has the potential to scratch. Items such as ceramic jars or stoneware for example should have felt protectors on the bottom to prevent scratching.

Texture

Texture refers to how much pattern you see in the color. Saturated colors with little texture will show wear easier than full textured colors. Compare these two colors illustrated below. These are two very popular black colors from the Avonite Surfaces®. Notice the texture or pattern of the Black Coral (Left) versus very little pattern in the Star Shine (right). The extra texture in Black Coral will not show wear as easily as Star Shine or other saturated colors.



2.13

Designing and Fabricating with "Movement Colors"

The Movement Collection has characteristics that require some specific fabrication considerations. The random directional veining ranges from subtle to bold, so every sheet will be unique. The edge of the sheet can have a different appearance than the top of the sheet, and therefore should have consideration given to the desired edge effect. As a result of the random patterns in the sheets, sheet yields may be lower than standard patterns, therefore it is important to consider these characteristics when quoting jobs and setting the expectations of the customers. Larger samples and full sheet images help customers to visualize the final results.



Stacked Edges

Stacking edges reveals several layers and color differences through the thickness of the sheet. The variations are apparent and may cause objection from customers.

3.1

Installation

It is very important that the personnel installing the Avonite Surfaces® material be properly trained and follow the recommended procedures. Improper installation may lead to problems in the future. Failure to follow the recommended procedures will void the warranty.

Substrates

Choosing the appropriate substrate for different applications should be considered. A solid substrate cannot be used when heat sources are present, as in kitchen applications. The following methods demonstrate alternatives to solid substrates.

Runner Method

The runner method uses 1" x 4" (25.4mm x 101mm) supports that run parallel to the length of the top as shown in **Figure A**. They are at the front, center, and rear edge of the counter top, adhered with dabs of silicone every 18"-24" (45.7cm - 61cm). The cabinets must have cross supports for the runners every 18"- 24" (45.7cm - 61cm).

Clearances

Be sure to leave 1/16" (1.5mm) - 1/8" (3mm) between the edge of the substrate and the back of the build up. Leave a minimum 1/16" (1.5mm) between the counter top and the back wall. For wall to wall installations, allow clearance on each end for expansion. Leave a 1/8" (3mm) gap. Allow as much clearance as possible at cook tops and drop-in sinks.

Adhering Material to Substrates

Dabs of silicone are placed in the front, center, and rear every 18"- 24" (45.7cm -61cm) for all substrates. A dab of silicone should be the size of your thumb nail.



Drop Edge

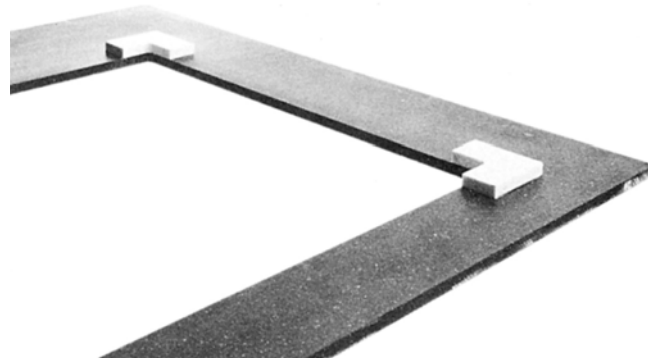
The drop edge reveals one edge of the sheet thickness contrasted with the top surface. In some cases this contrast in pattern can be minimized with edge profiles such as an ogee or bevel.



V-Groove

Creating edges with a v-groove method produces an edge build that simply folds the top pattern over the side. The continuation of the top side pattern eliminates any pattern changes and is most preferred by customers.

Not all fabrication methods are suitable; those that work with subtle patterns may not work with bolder patterns. It is important to understand these characteristics and be able to set customer expectations.



Corners of cook top cut outs must be reinforced by bonding a 3" (76mm) x 3" (76mm) or larger piece of Avonite Surfaces® material to the underside. Do not position a joint or any glue lines across any type of cut out or hob. Always leave a 1/8 in. or 3 mm space between the underneath of an appliance and the edge of Avonite Surfaces®.

Using the runner method substrate as pictured allows for venting of heat.

COOKTOP / HOB AND BACKSPLASH CLEARANCE

Due to excessive heat generated from cook tops and pans being heated, minimum clearances are required by Avonite Surfaces® material.

Standard 4" (102mm) tall splashes should have a minimum clearance of 2" (51mm) between the splash and the cook top flange.

Note to homeowner:

Full height splashes within 2-1/2" (63.5mm) from the cook top flange will not be covered under Avonite Surfaces® 15-Year Warranty. Extensive use of large oversized pans that overhang the counter should be avoided. Commercial type cook tops for residential use need to be supported inside cabinet base, so that cook top is not supported by countertop alone.

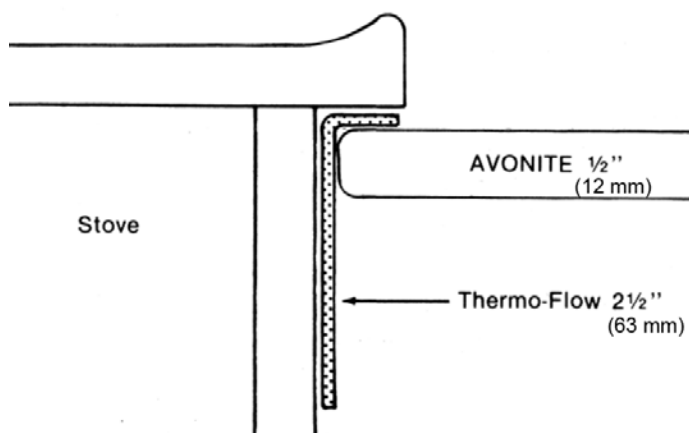
Securing Top to Cabinets

We recommend attaching the substrate to the Avonite Surfaces® top first and then fastening it to the cabinets. This way if you ever need to remove the top, you may do so without destroying it. Set tops on pre-leveled cabinets. Put screws from all corner blocks on cabinets into the substrate. Make sure screws do not go all the way through substrate and into the countertop. If screws are allowed to contact the solid surface, they may start a crack at that point. We recommend 100% silicone for bonding to wooden substrates. **NEVER USE LIQUID NAILS™** or other rigid adhesive which does not allow for expansion or contraction of the top.

ALL CUT OUTS SHOULD BE MADE WITH A TEMPLATE AND A ROUTER AND HAVE A MINIMUM 1/4" (6mm) INSIDE CORNER RADIUS.

THERMO-FLOW TAPE

The use of Avonite Surfaces® Thermo-Flow tape is REQUIRED for prevention of damage in cook top cut outs and slide-in ranges due to excessive heat. The use of any other tape voids the Avonite Surfaces® 15-Year Warranty. Thermo-Flow is a 2-1/2" (63.5mm) wide heat conductive aluminum tape with a glass backing that adds insulating properties. Install one layer of Thermo-Flow around the cut out as shown below.



Commercial Food Service Hot Well Limitations
Aristech Surfaces LLC does not warrant the use of STUDIO Collection® products for use in commercial hot well unit applications. This restriction will continue in effect until appropriate design criteria have been developed. We will keep you advised of any future developments in this area. Guidelines for installation of commercial hot wells are given on page 29.

Making Field Seams

To insure that drop edges are properly aligned after seaming, stop routing the profile a couple of inches from the seam on either side. After removing the flash line of the seam you may then route the profile across the seam.



INSTALLATION CHECKLIST

Before Seaming

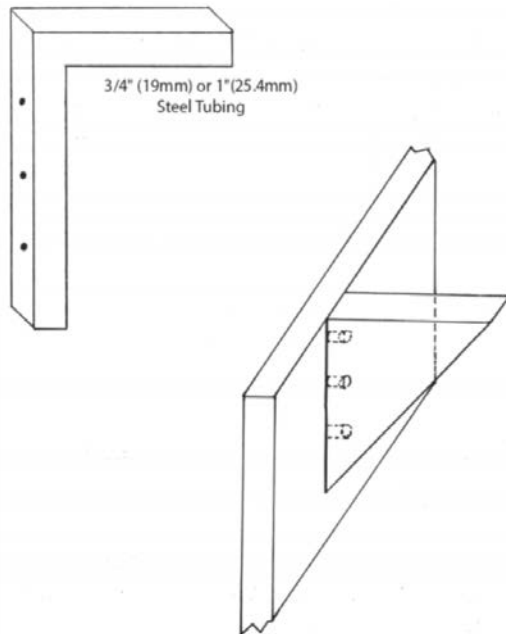
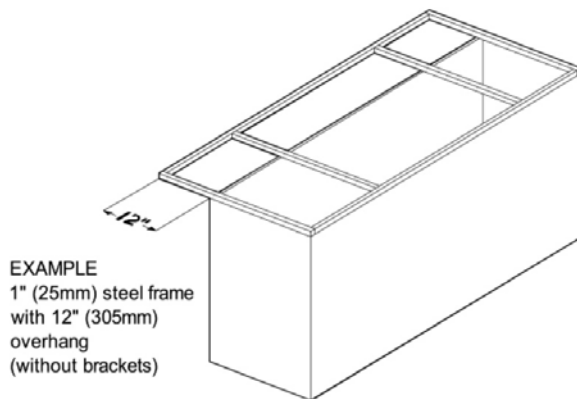
- a. Good dry fit (no gaps)
 - b. Seam block in place
 - c. Proper clearances
 - d. Clean with denatured alcohol
 - e. Prepared for clamping
2. Support all seams
 3. Substrate secured to cabinets
 4. Level cabinets 3/32" in 48" (2.38mm in 120cm)
 5. Cutouts—1/4" (6.3mm) radius
 6. Thermo-Flow tape on cook top cutout
 7. Inside corner radius
 8. Silicone

OVERHANGS

When installing overhanging countertops, support is required for 1/2" (12.7mm) thick overhangs extending more than 6" (152mm). Support is provided by plywood substrate or brackets which are equilateral right triangles (anchor leg is equal in length to the support leg). Backers can be MDF. Brackets, when required, are placed no more than 24" (60.9cm) apart and should come to within 5" (127mm) of the countertop edge. Refer to the dimensions below for the type of support to use.

OVERHANG SUPPORTS

Up to 6" (15.2cm) require no additional support.
6" - 12" (15.2cm—30cm) require 3/4" (19mm) plywood substrate or brackets
12" - 18" (30cm—45.7cm) require brackets or metal frame
Overhangs more than 18" (45.7cm) should be engineered to no more than 1/8" (3mm) deflection.

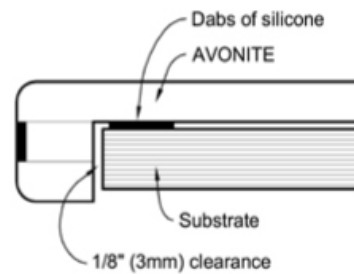


COMMERCIAL FOOD SERVICE AREAS

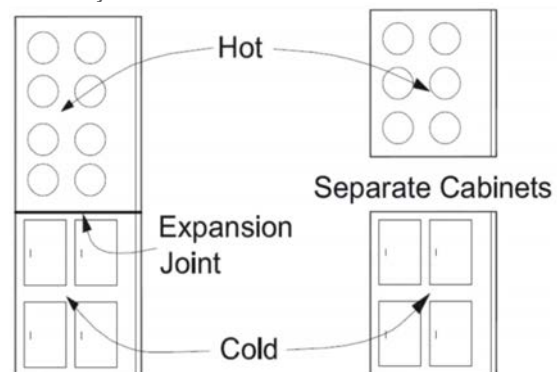
The following features must be included in a commercial food service installation in order to be covered by Avonite Surfaces® 15-Year Limited Warranty. Color must be selected from among Avonite Surfaces® Class I fire rated products.

1. Cabinet must be even and level with no protrusions to cause cracking.

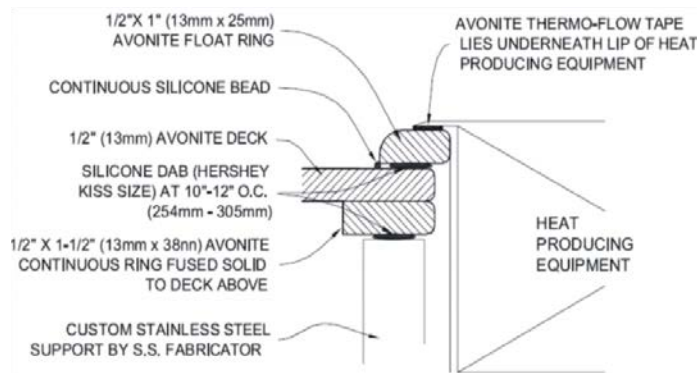
2. Support tops every 18" (45.7cm). Cantilevers over 6" (15.2cm) require structural support. Provide support within 3" (7.6cm) of all cut outs.
3. Hot and cold units must be supported from below and not rest on the Avonite Surfaces® top.
4. Attach Avonite Surfaces® to support frame with dabs of silicone every 18"- 24" (45.7- 61cm) ; do not use a continuous bead.



5. Separate tops containing hot sections from those with cold sections. A soft (silicone) seam may be used.



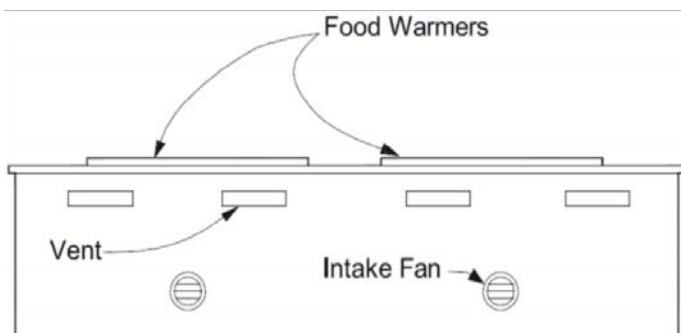
6. Make cut outs with router and template and allow a 1/2" (12.7mm) radius in the corners. Cut and sand a 1/8" (3mm) round over on top and bottom edge of cut out.
7. Reinforce corners of rectangular cut outs with 6" x 6" (15.2 x 15.2cm) blocks of Avonite Surfaces®. Circular cut outs must have a continuous ring of Avonite Surfaces® 2" (5cm) wide as reinforcement.
8. Use a layer of Thermo-Flow tape to line the perimeter of all hot and cold cut outs.



9. Hot well units must be covered with a layer of Flex-Sulation blended PVC foam sheeting. The foam may be attached to the hot well with 3M® double sided aircraft tape, or duct tape.

*McMaster Carr Supply 562-692-5911
Part # 9349K1*

10. Cabinets are to be ventilated by installing a fan near the bottom to pull cool air into the cabinet and by providing vent slots near the upper edge of the cabinet to expel the hot air. Temperatures in the cabinet must not exceed 170°F (78°C).



11. Sneeze guards must be fastened to the cabinets or the floor, not directly to the Avonite Surfaces® sheet. Holes in the Avonite Surfaces® sheet to accommodate the sneeze guard supports must be cut 1/4" (6mm) oversize in diameter to allow for expansion and contraction.
12. Deck seams must be reinforced with a 4" (10cm) seam block. Keep seams 3" (7.6cm) or more away from cutouts.

3.2

Shower Base Installation

Base Installation

Please read the instructions carefully prior to installing the base. These are the basic instructions for the installation of a shower base in a step-by-step sequence that will work in most types of installations. If you have an installation that is not covered here, please call Avonite Surfaces® Technical Services for additional information +1 (800) 428-6648.

Warning—Please inspect the shower base for breakage and report any damage to your Avonite Surfaces® representative. Allow the shower base to acclimate to room temperature before installing.

Tools and Supplies Needed for Installation

- Level
- Shims
- Cast Brass Shower Drain
- Silicon/Plumber's Putty
- Wrench
- 5-Gallon Empty Bucket
- Thin Set Mortar and Water
- 1/4" - 1/2" (6mm-12.7mm) Grooved Trowel
- Tool for Mixing Thin-Set Mortar

Preparing the Installation Site

- Open shower base and inspect the product for any damage.
- Clean and scrape the floor of the shower base alcove. This space must be free of any debris in order to get a proper adhesion with the thin-set mortar.
- Measure the size of the alcove to insure that the base and panels fit properly.
- Trial fit the base in the alcove and make sure that the drain location lines up properly with the shower base. Shim as necessary to level this walls of the shower base with floor of base sloping towards the drain.

In a three wall application, the base should

slide in easily with approximately 1/16" - 1/8" (1.5mm—3mm) spacing between the studs and the base. Placing a level on the base, check that the base sits level on the floor. Lean the base back or remove from the alcove.

Installing the Base

- Install the cast brass shower drain into the shower base. Follow the installation instructions that came with the drain. Plumber's putty or silicone are acceptable to use with the drain.
- Mix and apply thin-set mortar to the floor, using the notched trowel. Spread the mixture to achieve a depth necessary to fill the voids in the floor and enable the base to sit level. A 50 lb. (22.6kg) bag of thin-set should provide at least 45-50 sq. ft. (13.7—15.2 M2) of coverage. All supporting points should have contact with the thin-set mortar.
- After applying the thin-set, position the base into place. Make sure the base is resting level on the thin-set.
- Clean the area at the threshold of any excess thin-set. Allow the thin-set and shower pan to cure for 24 hours before working in the pan area. Be sure to protect the base floor after installation, using card board sheeting or a like material, until the complete project is finished.
- Before proceeding to install the wall system, flood test the shower base for proper drainage.

3.3

Wet Wall Installation

Wet Wall Panels and Accessories

Please read the instructions carefully prior to installing the wall system. This document will give you basic instructions for the installation of wet wall panels in a step-by-step sequence that will work in most types of installations. If you have an installation that is not covered, please call Avonite Surfaces® Technical Services with any questions +1 (800) 428-6648.

Warning—Please inspect all items and report any damage. Store panels in a flat area to avoid warping until the time of installation. Allow panels to acclimate to room temperature before installing. Do not use Liquid Nails or other rigid construction adhesive.

Recommended Tools and Supplies for Installation

- Circular Saw with Carbide Tip Blade (24-40 tooth)
- Random Orbital Sander
- Belt Sander w/80 Grit Belt
- 150-320 Grit Sandpaper & Scotch Brite Pad
- Installation Kit or Hot Melt Gun & Glue Sticks
- Drill, Hole Saw, 1/2" (12.7mm) Diameter Bit (Sharp)
- Caulk Gun & 100% Silicone
- Paintable Latex Caulk
- Level
- Square
- Jig Saw with Wood Finish Blade
- Compass or Scribe Tool
- Denatured Alcohol
- Clean Shop Rags
- 1" x 4" x 8" (25mm x 10cm x 203mm) Wood for Bracing (4 pcs.)

Preparing the Site

- Prepare the area with moisture resistant dry wall or tile backer board. Never install directly on any masonry wall or construction that is, or may become, damp.
- When installing over ceramic tile, check for loose tiles. If you find any, correct the problem. Make sure that the area to be covered is uniform in support. If not, build up the areas without tile. Remove the bottom row of tile and cut a ventilation gap in the substrate.
- On every installation, make sure that there is a 1/2"-1" (12.7mm—25.4mm) (Detail A) clearance between the top of the shower base or tub deck and the bottom of the moisture resistant substrate. This will allow for ventilation and keep water leaks from wicking up the substrate. **(Figure 1)**

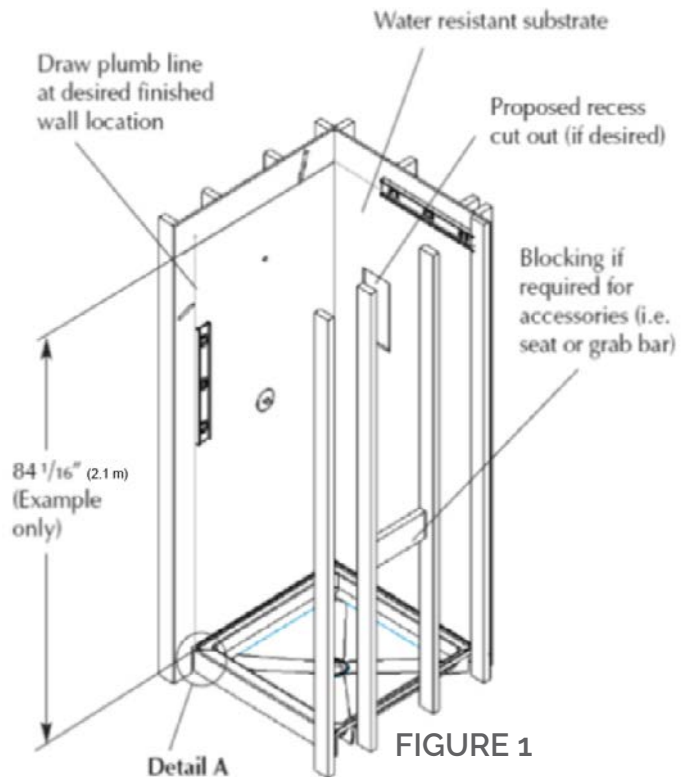
Preparation for Accessories

Recessed Accessories

Make sure the accessories will fit near, but not in, a stud and closer to the center of the sheet. Make sure no electrical wiring or plumbing is present before cutting out for the accessories. Make the cutout in the substrate to receive the accessory.

Surface Mounted Accessories

If a surface mounted accessory, such as a grab bar, is going to be installed, make sure 2" x 6" (50.8mm x 152.4mm) wood blocking is installed behind the substrate where the surface mounted accessory will be located. This will insure that there is solid backing for any screws that need to be used in the installation. (For blocking requirements see the architectural drawing).



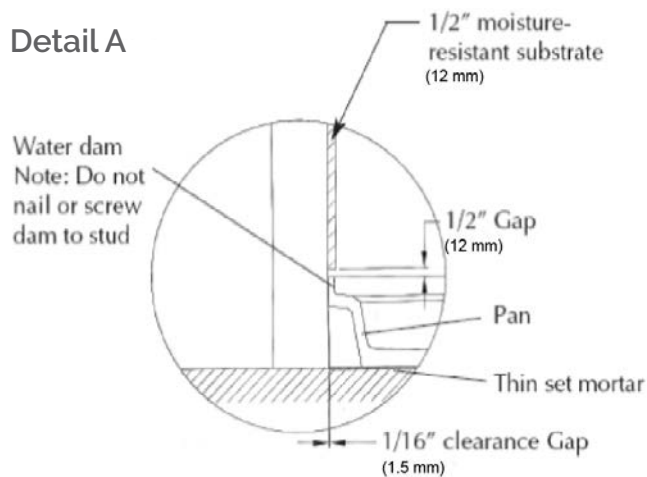
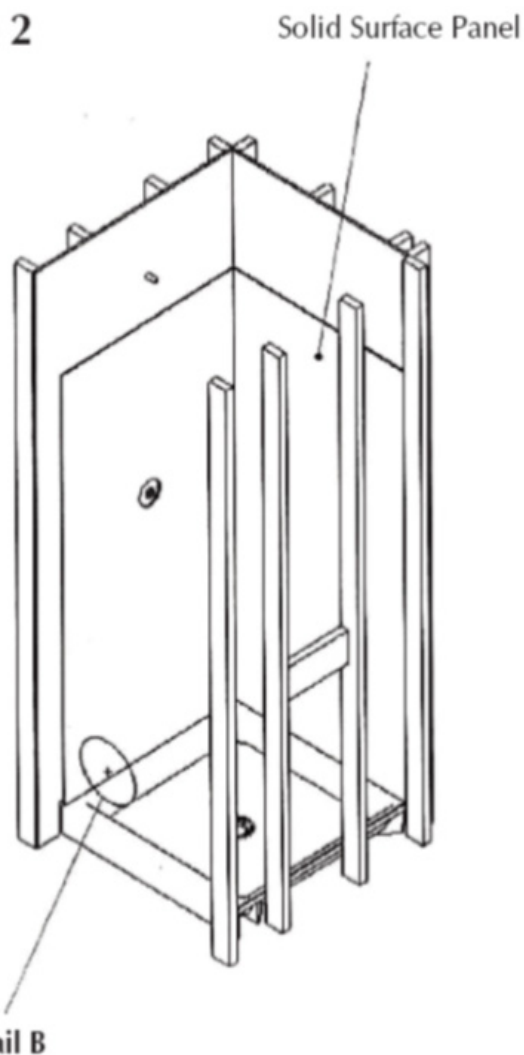
Measuring for Installation

1. Determine your desired wall panel height. Allow for a 1/16" (1.5mm) gap between the solid surface panel and shower/tub base pan for a better silicone seal (**Detail B**).
2. Solid surface panels should be installed in the following order: Back wall, Side wall without plumbing, and then the plumbing wall.
3. You may need to draw level and plumb lines on the wall to determine whether your shower bases or walls are out of square. Using the reference line and measuring from the lowest point on base or widest point on the wall, determine how your panels will need to be cut. Transfer this data to the panels.

4. Check your measurements and cut the panels with a circular saw or jig saw. You may make final adjustments to your cuts with a belt sander.

Measuring and Making Cutouts

1. All inside corners of cutouts should have a minimum 1/4" (6mm) radius. Do not cut sharp inside corners.
2. Locate the location of the plumbing holes. Transfer the data to the panels. Cut the holes a minimum 1/4" (6mm) larger than the pipe diameters. The cover plates for the plumbing fixtures may allow for more variance. Consult the plumbing fixture installation instructions for templates and recommended hole cut out sizes. Check your measurements and using a jig saw or standard bimetal hole saw, cut out the plumbing holes.
3. Once the panels are cut to size, locate the caddy cutouts, marking the cut out locations. Cut the caddies out after the panels have been installed.

Detail A**Mounting the Panels****Figure 2**

- 1. Shim:** Place shims 1/16" (1.5mm) thick) at the base of where the sheets will rest. This allows for better flow of the silicone. Laminate

chips make great shims. (Shims may not be necessary if the slope of the shower base creates a natural adhesion gap.)

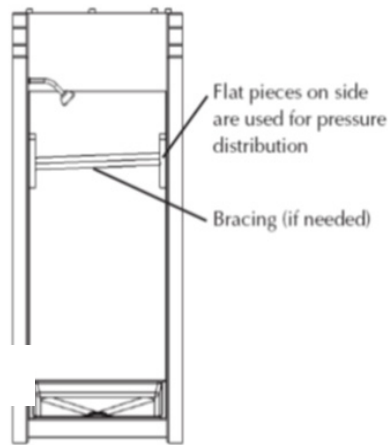
2. Trial Fit & Scribe the Panels As Needed:

Place the panel on the shims where it will be installed and check the fit. If necessary, scribe the panel for a better fit. Trim the scribe with a belt sander.

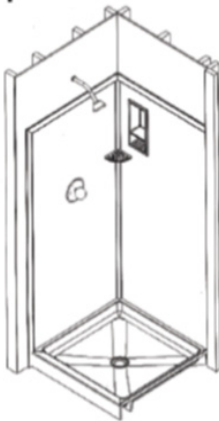
3. Clean the Sheets and Installation Area:

With denatured alcohol and a clean rag, clean the back of the sheets and the substrate, along with any other area that will be in contact with the silicone.

4. If using an installation kit, prior to applying the silicone adhesive, apply the butyl tape about 2" (50.8mm) from the edge, around the perimeter of the panel.**5. Apply the silicone adhesive,** about 1" (25.4mm) from the edge, around the perimeter of the panel. Place quarter sized dots of silicone adhesive every 8" - 10" (20.3cm—25.4cm) apart over the surface of the panel. If Accessories are being used, on the wall, place a bead of silicone around the cut out location.**6. Place the panel on the 1/16" (1.5mm) shims,** line up any holes, and firmly press the panel in place.**7. If using a hot melt glue gun,** apply the silicone as stated in steps 4 & 5, apply hot melt along the back edge of the panel where it will be attached to the substrate and press the panel firmly into place. The hot melt will hold the panel until the silicone sets up.**8. If you find the panel pulling from the wall,** bracing may be necessary. Use 1" x 4" (25mm x 100mm) boards, or other dimensional lumber, and brace the panels where needed as illustrated.

Figure 3

9. **Allow the silicone to cure.** Make all remaining cut outs. Silicone between the panel and the substrate along the cut out edge and install the accessory.
10. **Once the silicone is set up** and the panel is secure, install the optional components.
11. **Install any surface mounted items**, such as grab bars, shower seats, etc, make sure that the screw hole drilled into the panel is 1/16" (1.5mm) larger than the screw so that the accessory is held in place by the wood blocking and not the panel. If the accessory is to be ADA compliant, please refer to the ADA guidelines for the proper heights and locations. Confirm the light with the architect.

Figure 4

Installing Optional Trim

- Trim should be installed using silicone adhesive. Hot melt glue should be used to tack the trim in place while silicone cures. Do not use Liquid Nails or Construction Adhesive. Clean all joints with denatured alcohol before applying silicone.
- Caulk all inside joints with the color matched

silicone.

- Caulk outside joints with paintable caulk where wall surfaces are painted, or silicone if wall surfaces are unpainted.
- Clean up silicone with denatured alcohol while silicone is still wet.

Surface Mounted Shelf Accessory

These instructions apply to the shelf accessories that are designed to rest flush against the corner of two wall panels and not recessed within a wall panel.

1. For ease of installation, clean the mounting area of the panels with denatured alcohol.
2. Use the level and mark on each panel where the shelf unit should be placed. Hot melt or tape two indexing blocks (small pieces of wood or solid surface) where the shelf unit will be mounted, using the marks from above. These blocks will ensure that the mounting is level and will hold the unit in place until the silicone adhesive dries.
3. Apply silicone to the sides of the accessory that will be in contact with the wall panels. Leave several spots between the silicone on the accessory to apply hot glue or tape. Do not use Liquid Nails or Construction Adhesive.
4. Apply small amounts of hot melt or tape to the accessory in several places and immediately press the accessory into the wall panels, making sure that it is straight and flush against the wall panels and index blocks.
5. Hold the accessory in place for 30 seconds or until the hot melt has cured. The hot melt should hold the accessory in place until the silicone cures. Remove any excess silicone around the shelf accessory before it dries.
6. Once the accessory is securely in place, the index blocks can be removed if desired. Apply silicone to all edges of the accessory that contact the wall panels. Let silicone cure for 24 hours in the dry environment before resting objects on the shelf accessory.

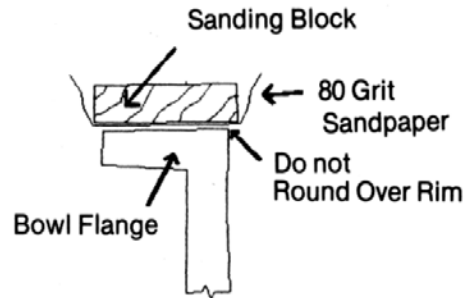
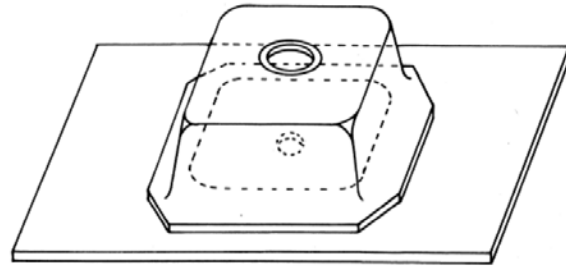
Note: Never try to screw into the wall panel.

Recessed Shelf Accessory

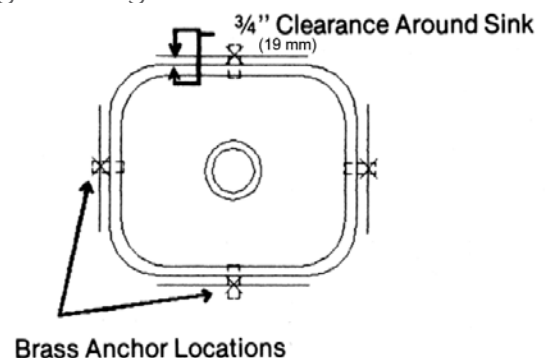
These instructions apply to the shelf accessories that are designed to be recessed

within a wall panel.

1. Make sure no electrical wiring or plumbing is present before cutting out the location for the accessory.
2. Measure, level, and mark the panel for the location of the accessory. Place the accessory against the wall panel and trace the outline of the back of the accessory unit against the wall panel.
3. Use the drill and hole saw to drill a hole inside the outline for the accessory item, to be used as starting point for the jig saw to cut the opening. Use a jig saw with a fine to medium tooth blade to cut the opening for the accessory.
4. Dry fit the accessory to ensure a proper fit. The shelf accessory should fit tightly within the opening. If the accessory does not fit, repeat Step 4 until the proper fit is achieved.
5. Clean the mounting area of the panels and shelf accessory with denatured alcohol.
6. Apply silicone to the sides of the accessory that will be in contact with the shower panels. Do not use Liquid Nails or Construction Adhesive.
7. Press the accessory into the opening, making sure that it is flush against the wall panel. Clean any excess silicone from the wall panel or shelf accessory before the silicone dries.
8. Once the accessory is securely in place, apply silicone to all edges of the accessory that contact the wall panel. Let silicone cure for 24 hours in dry environment before resting objects on the shelf accessory.



Do not nick or scuff the rim of the bowl. With a nail or screwdriver, etc., scratch a line on the sheet around the perimeter of the bowl. Drill a 1-1/4" (31.4mm) pilot hole, with a hole saw, in the sheet in line with the drain of the bowl. With a flat sanding block and #80 grit sandpaper, sand the underside of the sheet where the bowl is to be bonded. This removes factory sanding lines or scuff marks. With a flat sanding block, scuff sand with #80 grit sandpaper the top flange of the bowl. Do not round over or nick the rim. Mark the location of 4 locating blocks as shown below. These blocks can be scrap pieces of material 1" x 1-1/2" x 1/2" (25mm x 38mm x 12.7mm) thick. Fasten the blocks to the back of the sheet using Locktite 495, or equivalent. This will keep the sink from sliding during bonding.



3.4

Sinks, Bases, Bowls

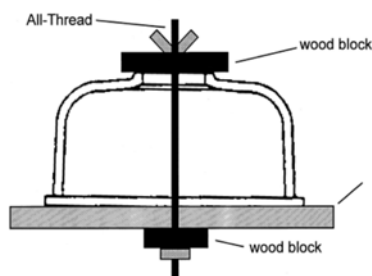
GENERAL SINK FUSED MOUNTING INSTRUCTIONS

Positioning and Preparation

Sinks are recommended for bonding to 1/2" (12 mm) Avonite Surfaces® sheet thickness. Turn the sheet back-side up on a well supported surface. Position the bowl on the sheet.

Bonding

Remove the bowl and clean the bonding area and the bowl with denatured alcohol and let it dry. Apply the adhesive to the sheet fully coating the flange area. Always use adhesive to match the bowl or sink. Use all-thread, two blocks of plywood and a wing nut to clamp the bowl to the sheet as shown below. Tighten the clamp until the adhesive flashes out evenly and allow the adhesive to harden. Refer to www.aristechsurfaces.com/avonite for adhesive color matches.



Mounting Brackets

Mounting brackets may be used to under mount sinks other than Avonite Surfaces® sinks. Drill a 1/4" (6mm) diameter hole by 1/2" (12mm) deep, 3/4" (19mm) from the sink into the locating blocks as shown in Figure 5. Remove any dust and tap in the brass anchors slotted end first. Set with Loctite. Mount hardware by first threading the wing nut well up on the screw near the head. With washer and slotted clip in place, tighten screw securely to lock the brass anchor (shown below). Bond the bowl to the sheet using silicone if it is a non-solid surface bowl. Swing clips on to the bowl lip and evenly tighten the wing nuts until the bracket begins to deflect. Recheck to be sure the bowl is in the proper position. Allow the compound to harden. After adhesive cures, do not remove under mount brackets.

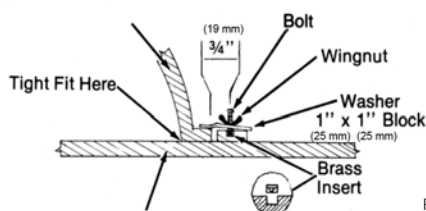


Figure 5

Shaping The Edge

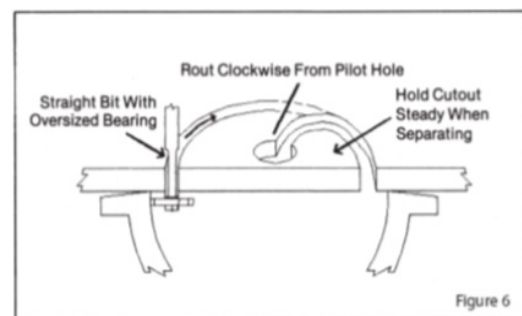
Turn the top over and use the specially designed bowl router bits to shape either a flush or bull nose bowl edge trim. Cut the sheet material from the center of the bowl area with the special straight router bit with an over sized nylon bearing. Start from the pilot hole and rout clockwise around the bowl. Hold the cutout steady as it separates from the top to avoid damage to the edge (Figure 6). A bull nose trim on the edge (Figure 8 and 10) of the sheet creates a shadow which can help hide seams. The cutter slightly shaves the bowl edge and removes all the seam compound. A round over bit on the edge (Figure 7 and 9) of the sheet will produce a smooth edge. The cutter slightly shaves the bowl edge and removes all the adhesive.

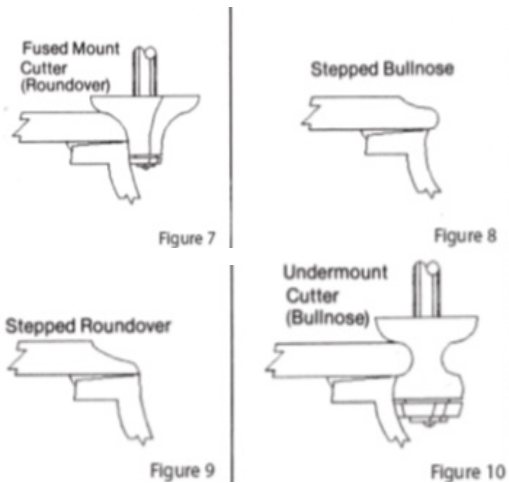
Different sheet thickness and cutter heights can produce various edge profiles.

NOTE: The bowl bits shown have a 2 1/2" (64mm) cutting diameter. Router base adjustments may be needed.

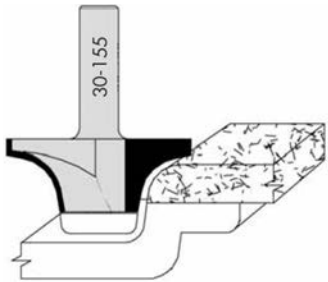
For additional information contact Avonite Surfaces® Technical Services +1 (800) 428-6648.

NOTE: WHEN POURING BOILING WATER INTO THE SINK OR USING AN INSTANT HOT WATER DISPENSER, COLD WATER SHOULD BE RUNNING INTO THE SINK SIMULTANEOUSLY. THIS WILL ELIMINATE ANY POTENTIAL THERMAL SHOCK CRACK. THE USE OF A GARBAGE DISPOSAL LARGER THAN 3/4 HP IS NOT COVERED UNDER AVONITE SURFACES® WARRANTY.

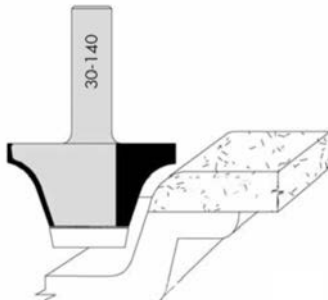




The bowl bit shown above is from Velepec
SUBN-8-12 4VT
Velepec . 1-800-365-6636



Kitchen Sink Rounding Over Bit—
Velepec 30-155 or CRST10-8-8VTR
1/2" (12mm) Radius for 1/2" (12mm) thick top



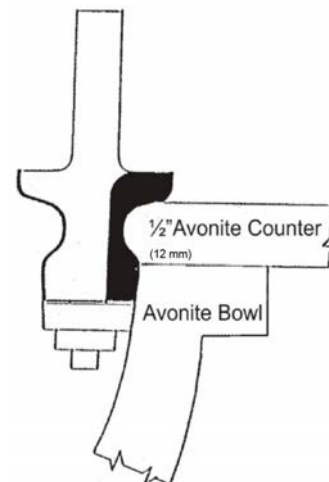
Vanity Sink Rounding Over Bit
Velepec 30-157TG or CRST 13-8-8VTR
1/2" (12mm) Radius for 1/2" (12mm) thick top

Color Matching Sheet to Bowl

Aristech Surfaces LLC makes every effort to achieve a visual color match between Avonite Surfaces® Acrylic Solid Surface sheet products and bowls. However, we do not guarantee

a color match between sheet and bowl of the same name. There can be a color shift between bowl and top as they are poured by two different companies. When you are given an order to supply a fused under mount sink in which the sink and the deck are the same color, there is a distinct possibility that there will be a visual color mismatch between the edge of the deck and the wall of the sink. The likely color mismatch problem is complicated by the fact that you cannot tell how closely the sink and sheet match until the two are joined and the edge of the deck is routed flush with the sink. We do have a method of mounting a bowl in the same color which will mask the color mismatch (See illustration on right). Using bit shown, sanding the seam area between the bowl and the sheet and putting the seam on the bottom side of the bull nose should hide most color match problems. If you have any questions regarding this procedure, please contact the Avonite Surfaces® Technical Service Department at +1 (800) 428-6648.

NOTE: ARISTECH SURFACES LLC DOES NOT WARRANTY COLOR MATCH BETWEEN SAME COLOR AVONITE SURFACES® ACRYLIC SOLID SURFACE SHEET AND BOWL.



BULL NOSE BIT
TO CUT AVONITE SURFACES® UNDERMOUNT
LAVATORY BOWLS & KITCHEN SINKS
with VEL-VET TOUCH™ Bearing Guide
Assembly 1/2" (12mm) Shank Diameter
- 2 Flutes

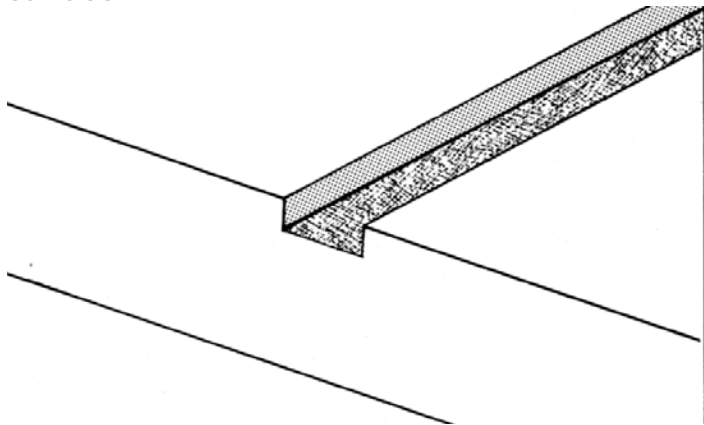
4.1

Color Inlay

Products Needed For Inlay:

- Inlay Resin (same as Patching Resin)
- Colorant—Sign paint*
- Catalyst
- Stirring Stick
- Paper Cup

Route out slot for color inlay. It should be 1/8" (3mm) deep at a minimum. Contain over pour by placing masking tape or caulk around slot creating a damn about 1/8" (3mm) above the surface.



Add colorant to inlay resin, one drop per ounce. Add appropriate amount of catalyst and stir thoroughly. Pour mixture into prepared slot. Over pour by 1/8" (3mm) to eliminate low spots and air bubbles.



Allow to dry thoroughly and finish. The hardening time is approximately 8 hours.

METAL INLAYS—Glue the metal to the bottom of the groove with Super Glue. It may then be over poured with clear resin. Over pour should be a minimum 3/32" (2mm) deep.

Fabricator Notes:

Inlay Resin is available in quarts. When making large inlays, color enough material to do the entire job. Custom colors will be difficult to match later.

Patch Kits are often used for decorative inlays. Particulate may also be special ordered in quart containers. Follow the same procedure above for inlay resin.

* Sign paint is a high pigment enamel paint such as Chromatic® or One Shot® usually found at art supply stores

4.2

Catalyst Ratio Chart

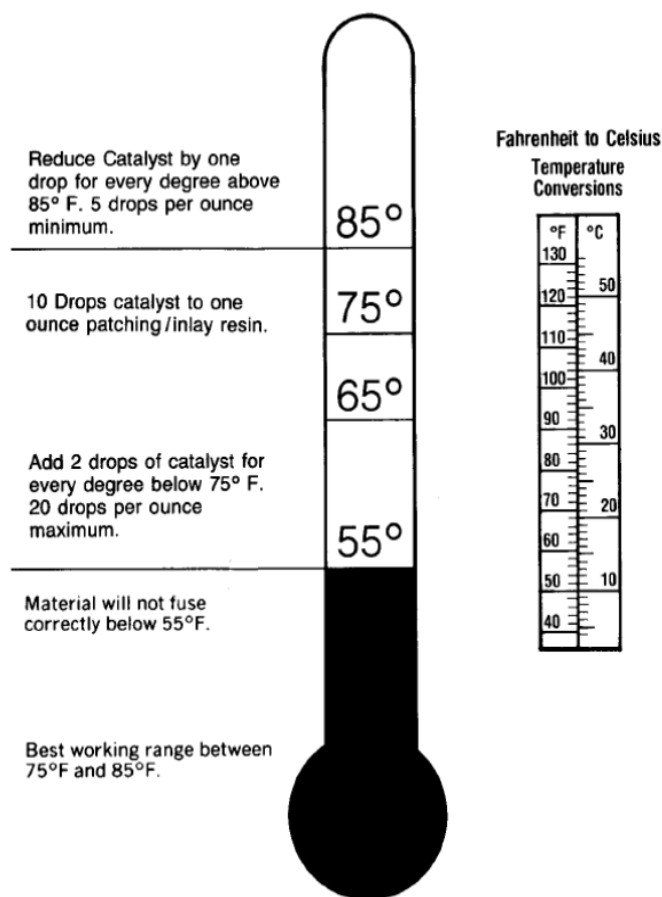
RATIO OF CATALYST DEPENDS ON TEMPERATURE

Ratio of Catalyst: Drops per one ounce of Patching/Inlay Resin.

EXAMPLE: Ten drops per one ounce of Patching/Inlay Resin.

Ambient temperature at 75° F (23.8° C).

Therefore: At an ambient temperature of 75° F (23.8° C) 4 ounces (113.4gm) of Patching/Inlay Resin would take 40 drops of catalyst.



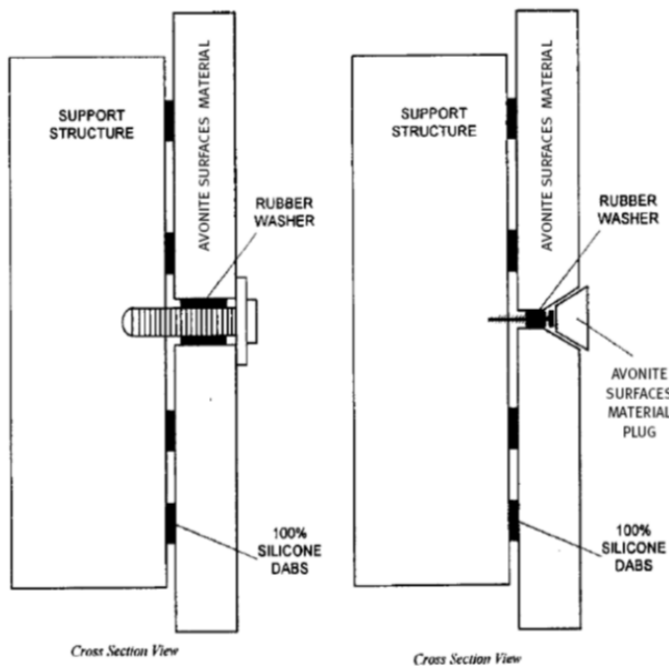
5.1

Wall Panels and Signage

INSTALLING SCREWS OR BOLTS IN AVONITE SURFACES® PANELS INTERIOR & EXTERIOR APPLICATIONS

Aristech Surfaces LLC realizes there are certain applications that need additional vertical support.

Examples: Avonite Surfaces® outdoor signage, elevated wall cladding or ceilings etc., and other similar applications. The proper technique for installing screws or bolts through Avonite Surfaces® sheets should be done according to the diagram below.



Soft seams should be used for exterior applications.

Important facts that you need to remember are:

1. Hole should be 1/4" (6mm) oversize in diameter minimum (for interior applications).
2. Hole should be 1/2" (12mm) oversize in diameter (for exterior applications).

3. Rubber grommet/washer needs to be inserted in hole to provide cushion for movement during expansion or contraction.
4. Do not over tighten screw or bolt; snug tight only.

Outdoor Applications

Aristech Surfaces LLC does not warrant exterior applications. **As with any other solid surface products, dark colors must not be located where they will receive direct sunlight.** The sunlight will cause an extreme temperature increase due to dark colors' heat absorption, accompanied by expansion of the material with potential distortion or cracking. A sign must not be located where it will be periodically sprayed with water as from a sprinkler system. Water spots will leave mineral deposits which will buildup on the surface, eventually making it difficult to restore to the original appearance. Three dimensional structures with hard seams are not suitable for outdoor applications in any color for any solid surface products. Stresses are created when the sun warms part of the structure while another part joined to it remains cool. Such stresses are likely to lead to failure of a seam or failure of the material itself. Amongst the full palette, certain colors have been selected because of their outdoor performances. These colors are UV-resistant, in the limit of 5 units ΔE CIE lab and are covered by a 5-year warranty on the material. Please reference the Façade Product Brochure (SL408315) for additional information regarding exterior applications.

Engraving and Sandblasting

Avonite Surfaces® material can be engraved by conventional carbide engravers and laser engravers. Letters or logos are easily cut out by computer controlled routers. Avonite® material can be sandblasted using a monument stencil like anchor Continental #111 or "Buttercut" by 3M. Silicon carbide (80 grit) at 80 psi gives the best results for a sharp edge.



5.2

Thermoforming

These Thermoforming Parameters are basic guidelines for fabricators to thermoform Avonite Surfaces® material. The parameters listed below are recommendations, which are a direct result of actual forming of Avonite® material. This testing was conducted by the Avonite Surfaces® Technical Service Department, but values are approximate. We suggest re-testing for varying conditions.

Material Preparation

When preparing material to be formed, it is recommended that material be cut to size. Then, remove all chips or gouges on the edge of the material. Any chip or gouge left on an edge may cause the material to tear during forming.

Thermoforming Temperature

Temperatures given here are approximate and represent a starting point to establish the conditions you need for your project. If material is too cool or too hot it may crack or tear while bending.

Oven Options

Below are thermoforming guidelines for conventional and platen style ovens. Every oven is unique and calibrations may be necessary. Be sure the oven used is large enough for the entire piece to be formed.

MOLD DESIGN

When forming we recommend that male and female molds be made. The molds need to be designed so they can accommodate clamps to hold them together while material is cooling.

COOL DOWN

Allow material to cool for one hour, or when the temp reaches 100 F / 37 C, to prevent the material from springing back. If material is not allowed to cool adequately, it may spring back as much as 10% which will make any further fabrication of the application difficult.

FABRICATION: FINISHING/SEAMING

Finishing formed sheet stock is no different from standard finishing. However, it is important that any seaming/joining be done after forming. The heat to which the material is subjected will weaken the seamed areas of the pieces, which may result in seam failures.

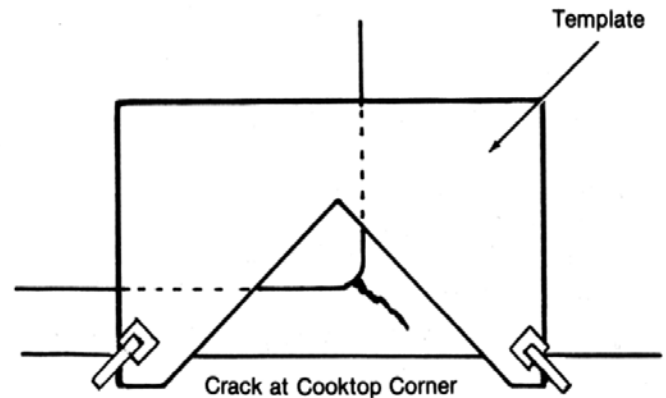
Conventional Oven				Platen Oven		
Product Group	Temperature	Time / Minutes	Minimum Radius "	Temperature	Time / Minutes	Minimum Radius "
Avonite Surfaces® Acrylic 12 mm (1/2")	370 F / 187 C	20 - 25	6" (152 mm)	302 F / 150 C	15	6" (152 mm)
Avonite Surfaces® Acrylic 6mm (1/4")	371 F / 187 C	10 to 15	3" (76 mm)	303 F / 150 C	8	3" (76 mm)

5.3

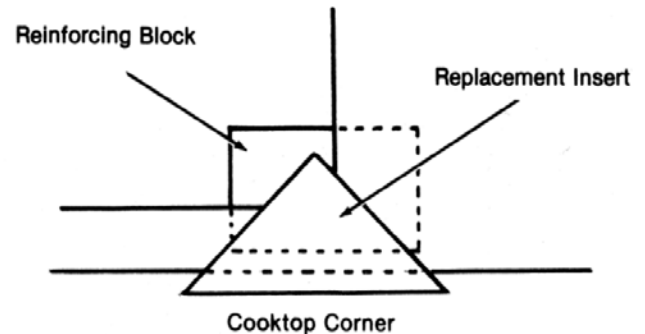
Repairs

Pie Shape Repairs

The pie shape repair has proven to be one of the best methods of repairing cracks and damaged areas. The principal is to create a template large enough to encompass the damaged area. Clamp on the template and rout out the area to be replaced.



Cut a matching wedge piece to fit using the same template and router. Check the dry fit and adjust until there are no gaps. Glue the repair piece (s) in place with a reinforcing block underneath whenever possible.

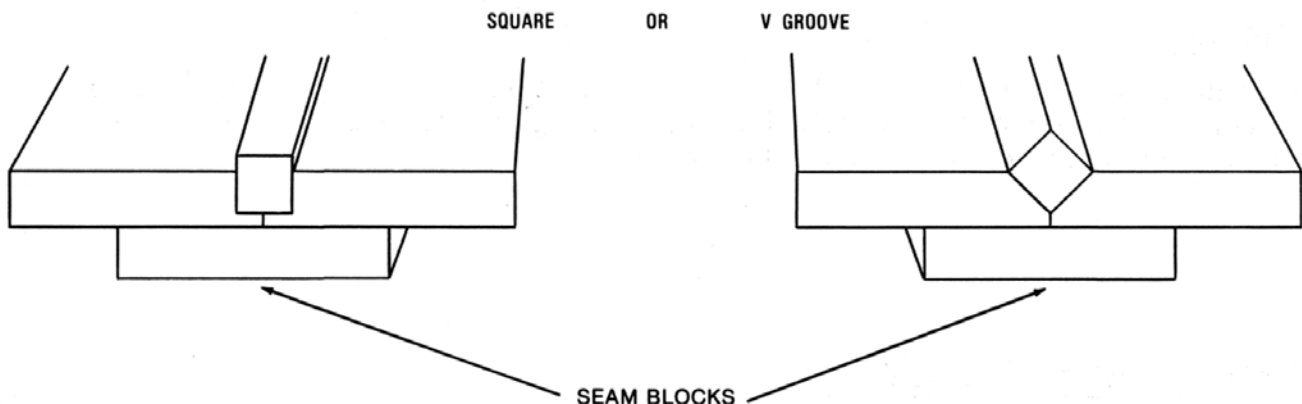


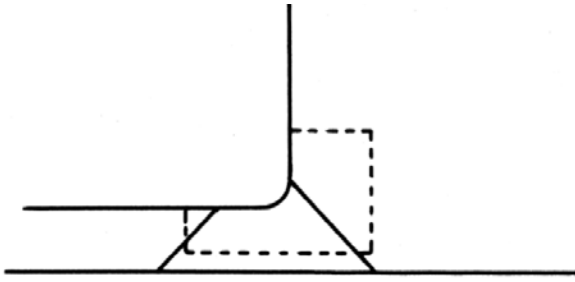
Most Common Reasons For Seam Failures

1. Excessive heat from belt sanding
2. Too much clamping pressure
3. Inadequate mixing of catalyst
4. Insufficient catalyst from cartridge if voids not purged by dispensing small quantity of Ultra Bond G before installing mixer tube
5. No seam block
6. Unsupported seams
7. Seams near heat source such as dishwasher or cook top
8. Seams placed at points of stress such as inside corners

Seam and Damage Repair

1. The damaged area must first be bonded back together. When the opening is wide enough, Avonite Surfaces® Solid Surface Adhesive can be used. For tight cracks, a very thin cyano acrylate (Super Glue) could be used to fill the void.
2. After the glue has dried, route a groove about 1/4" (6mm) deep— See drawing
3. Glue a matching piece of Avonite Surfaces® material into the groove. Always leave a piece of material on the job site for any future damage (perhaps on the floor beneath a bottom drawer or mounted in the sink cabinet).
4. Material may then be routed level and sanded back to the original finish.





The methods and techniques have improved over the years and today there are several companies that offer repair templates and router bits that make repairs very quick and accurate.

Circle Template Repairs

The circle template repair is recommended for damages from heat producing appliances or hot pots that occur in the center of the counter. Templates By Andreas offers a selection of solid surface repair templates and tools. www.andreascustomdesign.com



Below is the 10 Degree Repair Kit available at www.specialtytools.com



5.4

Partitions and Wainscoting

When choosing solid surface for partitions, allowances for expansion and contraction must be considered. Avoid rigid fasteners that will not move. Rubber or nylon sleeves should be used for bolts going through the partition.

Toilet Partitions

Choose only Avonite Surfaces® Acrylic Solid Surface 12mm (1/2"). It is recommended that all hardware should have rubber or nylon grommets between the hardware and Avonite Surfaces® surface.

1" (25mm) thick pilasters are recommended for support post running floor to ceiling.

For added strength, construct a 1" x 4" (25mm x 10cm) build-up with a 1/2" (12.7mm) channel for top and bottom rails.

Place no seams in stall doors.

Wall panels should be secured to back to walls with a full length "U" channel.

Partition hardware available at:

Bommer Industries Inc.
www.boomer.com
 P.O. Box 187
 Landrum, SC 29356
 800-334-1654
 864-457-3301

Jacknob Corp
www.jacknob.com
 290 Oser Ave.
 Hauppauge, NY 11788
 631-231-9400

Decolam
 www.decolam.com
 2145, rue Lavoisier, suite 101
 Quebec (Quebec)
 Canada G1N 4B2
 418-527-2544

AVONITE Surfaces® WAINSCOTING SYSTEM

This system utilizes our wide sheet Avonite Surfaces® Acrylic Solid Surface 6mm (1/4") product with 12mm (1/2") base and trim. The Avonite Surfaces® Wainscoting system provides stylish and durable wall protection.

The panels can be Right-Sized to fit the application design.

The panels are adhered directly to dry wall. The wall surfaces and backsides of sheets need to be clean and free of dust.

Panels and trim can be adhered with silicone. Allow 3mm (1/8") gap between panels and fill with color matched silicone for an inconspicuous soft seam.

DO NOT USE LIQUID NAILS® or CONSTRUCTION ADHESIVE.

6.1

Fabrication Support Materials

Aristech Surfaces LLC has created One-Stop Shopping convenience by making available all of the necessary fabrication products through your local distributor. If items listed below are not available from your distributor, please notify Avonite Surfaces® Technical Services, +1 (800) 428-6648.

Avonite Surfaces® Adhesive Cartridges

SM416*** or SM6***

** Refers to 3 digit color code.

Refer to www.aristechsurfaces.com/avonite for complete list of color matched adhesives



Spare Mixing Tubes for 250ml size
 SM4162-01

Dispensing Gun
 SM4160-00 MANUAL



Inlay Resin—Quart

SM4130-00

Specially formulated inlay resin for creating custom detail designs in Avonite® material. Can be used with Avonite® Inlay Filler for an "intarsia" look.



Spring Clamps—2" or 3" (50.8 - 76.2mm)

SM4063-00

SM4063-01

Needed for equal and consistent pressure to avoid open joints. Standard equipment for every fabricator.



Patch Kits

SM4021- **

Color coordinated Patch Kits each include (1) 4 oz.(113.4gm) can of filler, toners, and (1) 4 oz. (113.4gm) can of patching resin. Patch Kits are available in all current Studio Collection® colors. The catalyst hardener must be ordered separately (SM4001-10). This is MEKP-g catalyst and is usually available locally.



Avonite Surfaces® Thermo-Flow Tape

SM4065-00

Insulates from excessive heat in cook top cut outs. One roll of tape contains 18 yards (16.45m).



6.2

Sanding and Polishing Accessories

Finesse-It Finishing Material

SM4058-00

Second step in polishing system (1 liter).



Avonite Surfaces® Dry-Cut Finishing System

SM4036-A Brown bar

SM4036-B Blue stick

Polishing system

Step 1: Brown bar. SM4036-A

Step 2: Blue stick. SM4036-B



Superbuff 2 + 2 Pad (White)

SM4045-

Polishing Pad used with Marine Paste compound and Avonite Surfaces® Dry-Cut Finishing System Compound.



Superbuff Polishing Pad (Yellow)

SM4046-00 Polishing Pad used with Finishing Material



6.3

Care and Maintenance

The final finish of Avonite Surfaces® material should be specified in one of the following finishes: Matte, Satin, or High Gloss. Each customer must receive Avonite Surfaces® Care & Maintenance information to ensure they understand the proper care and maintenance for the Avonite Surfaces® installation and to register for the 15-Year Limited Warranty, or the new Installed Warranty as appropriate. The Avonite Surfaces® Care & Maintenance information, as well as all warranty information is available online at www.aristechsurfaces.com

MATTE FINISH

Cleaning:

Soap and water will clean most stains. For more stubborn stains use a green Scotch-Brite® pad and an abrasive cleanser.

Scratches:

To remove scratches, start sanding with 240 grit paper and then clean with an abrasive cleanser and a green Scotch-Brite® pad. Remember to periodically go over the entire matte surface with a dry, green Scotch Brite® pad to return the original finish.

SATIN FINISH

Cleaning:

Soap and water will clean most stains. For Stubborn Stains use a white Scotch-Brite® pad and non-abrasive cleanser such as Soft Scrub™.

Scratches:

To remove scratches, start sanding with 400 grit paper followed by 600 grit paper. Then clean the area with Soft Scrub™ and a white Scotch-Brite® pad.

HIGH GLOSS

Cleaning:

Soap and water will clean most stains. Use a polishing compound like 3M Perfect-It and a soft cloth to remove more stubborn stains.

Scratches:

To remove scratches from a high gloss finish, start sanding with 400 grit paper. The surface must then be machine polished back to its original finish. If you do not own or have access to this equipment, you should contact your local Avonite Surfaces® fabricator for assistance.

Avonite Surfaces® Sink Care

Use the Matte Finish cleaning and scratch removal procedures above. To keep sink color bright, clean occasionally with liquid bleach and water. Fill the sink 1/4 full with water, add 1 to 2 cups of bleach, wipe the sides of the sink and let stand for 15 minutes. Then drain the sink and rinse.

Do's and Don'ts Quick Reference

- Always use a hot pad or trivet under hot pots or heat producing appliances.
- Always use a cutting board.
- Never stand on your counters.
- Avoid harsh chemicals such as drain cleaners and paint removers.
- For high gloss counters, do place felt protectors on the bottom of pottery or other hard objects.
- Do avoid sliding hard objects across these glossy surfaces.
- Always run cold water when pouring boiling water into Avonite Surfaces® sinks.

6.4

Warranty Claims Processing

FILING CLAIMS

To resolve warranty claims, we ask that our Distributor Representatives prepare a Warranty Claim Report. You can help us expedite the processing of warranty claims and achieve improved customer satisfaction by assisting in the following areas:

1. Warranty Claim Report Form - Please fill form out completely so that the information needed to make decisions is readily available for us. This information helps us tremendously in the processing of the claim.

2. Quality Inspection Checklist -We ask your assistance in completing this form in detail, as this helps us to identify how the defect occurred. Your help in this area in the past has led to the advanced fabrication procedures that now exist in the solid surface industry, further improving our industry's reputation.

3. Job Layout -Include a detailed diagram of the job, complete with all measurements, including distances to seams and seam locations. This helps us to accurately estimate the cost of fabrication and material, thereby reducing errors and allowing us to validate a repair/replacement quote.

4. Photos -Take three to four photographs (cell phone photos are acceptable) of the defective area and a photograph of the overall kitchen.

5. Quotation -Submit a written quotation on the repair or replacement of the job. Repair is encouraged over replacement. However, if repair is not possible, a quote of the job replacement is needed.

Warranty claims that are submitted with complete information will be resolved within two weeks of receipt of the claim. Without this information, the processing of a claim will be delayed. We ask for your continued cooperation and thank you for your assistance.

AVONITE SURFACES® TECHNICAL SERVICE
DEPARTMENT +1 (800) 428-6648

6.5 Limited Warranty Interior

Limited Warranty Commercial and Residential Interior Applications

Aristech Surfaces LLC ("ARISTECH") warrants to the original purchaser of any of its manufactured solid surface products that ARISTECH will, at its option and sole discretion, repair or replace the product if such product fails due to an ARISTECH manufacturing defect which is discovered during the first fifteen (15) years after the initial purchase, subject to the limitations set forth in this Limited Warranty.

This Limited Warranty applies only to Avonite Surfaces® products that have been fabricated and installed by an authorized ARISTECH fabricator who holds a certification dated four (4) years or newer at time of installation and has installed the product in accordance with the installation instructions provided by ARISTECH; which have been used as recommended; and which have failed due to a manufacturing defect and not from damage caused by physical abuse, structural movement, excessive heat, or breakage not due to a defect in the manufacture of the solid surface. This Limited Warranty does not cover defects or damage caused by or resulting from failure of any adhesive, caulk or other accessory, or failure of any caulked or filled joint or seam. This Limited Warranty covers the product for normal interior use, but does not cover the product if it has been moved from its original place of installation. Labor charges incurred during installation are not included under this Limited Warranty. This is a product only Limited Warranty, not a fabrication or installation warranty.

Some variance in color or pattern is natural and can occur. Exact matching of color or color of replacement product is not guaranteed.

This Limited Warranty does not apply to ARISTECH'S ADVANC3® solid surface product, which is covered by a separate ten-year limited warranty.

This Limited Warranty applies to Avonite Surfaces® products that are purchased after June 1, 2018, and maintained as described by the Avonite Surfaces® care and maintenance guide. (The care and maintenance guide may be found on the website at www.aristechsurgaces.com.) For coverage under this warranty, you must register online at www.aristechsurgaces.com. The Company will assign a warranty registration number.

This warranty may be transferred or assigned. If transferred or assigned, the subsequent owner must submit a new warranty registration form to ARISTECH within 30 days of the transfer or assignment from the original purchaser or current warranty holder. Once registered, this Limited Warranty will remain in effect for the duration of the original warranty term. Failure to register within 30-days of original purchase, transfer or assignment, will void the warranty.

To obtain service under this warranty, write to the dealer/contractor from whom you purchased the product or alternatively write to Aristech Surfaces LLC at the address below providing your name and address, warranty registration number, a description of the product involved, and

the nature of the defect or failure. Repair or replacement shall not include any labor charges. A warranty registration number, purchase receipt or other acceptable proof of purchase will be required before any warranty claim can be considered.

Exclusive jurisdiction for legal disputes relating to alleged breach of warranty or representation of any nature must be filed in either the state or federal courts located in Boone County, Kentucky. Kentucky law will govern all disputes or claims arising out of the sale, purchase or use of the solid surface products.

The address to which Warranty claims should be reported is:

Aristech Surfaces LLC
Attn. Director of Quality
7350 Empire Drive
Florence, KY 41042

ARISTECH may ship (freight collect) to you products repaired or replaced under this Limited Warranty.

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, AND ARISTECH EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE (EVEN IF THE PURPOSE IS KNOWN TO ARISTECH), OR FROM COURSE OF DEALING OR TRADE USAGE. THIS LIMITED WARRANTY SETS FORTH THE SOLE REMEDY IN CONNECTION WITH THE SALE OR USE OF PRODUCTS COVERED BY THIS LIMITED WARRANTY AND IN NO EVENT SHALL ARISTECH BE OTHERWISE LIABLE FOR ANY LOSS, DAMAGE OR INJURY OF ANY NATURE ARISING OUT OF THE SALE OR USE OF THE PRODUCTS DELIVERED HEREUNDER, WHETHER FOR NEGLIGENCE, BREACH OF CONTRACT OR UNDER ANY OTHER LEGAL OR EQUITABLE THEORY. ARISTECH SHALL NOT BE LIABLE FOR ANY INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE SALE OR USE OF SUCH PRODUCTS, INCLUDING BUT NOT LIMITED TO LOST PROFITS, REVENUES, ANTICIPATED SALES, BUSINESS OPPORTUNITIES OR FOR INTERRUPTION OF BUSINESS.. ARISTECH ASSUMES NO LIABILITY FOR IMPROPER FABRICATION, INSTALLATION AND/OR THE USE OF ADHESIVES NOT MANUFACTURED OR DISTRIBUTED BY ARISTECH.

*Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.

Note: This Limited Warranty does not include items identified as 'wear items' that can be purchased through Aristech Surfaces. If you require replacement of a 'wear item', please contact ARISTECH.

Effective June 1 , 2018

6.6 Limited Warranty Exterior

Limited Warranty Commercial and Residential Exterior Applications

Aristech Surfaces LLC ("Aristech") warrants for outdoor use to the original owner of Avonite Surfaces® Acrylic Solid Surface for a period of ten years from the date of original purchase from Aristech that sheets made with colors **8016–White**, **8026–Super White**, **8090–Snowfall**, and **8256–Polaris** will be free from manufacturing defects, the color will not fade or change more than 5 ΔE CIE lab units and gloss loss on a matte finish will not exceed 40%. Aristech warrants for outdoor use to the original owner of Avonite Surfaces® Acrylic Solid Surface for a period of five years from the date of original purchase from Aristech that sheets made with colors **8010–Bone**, **8024–Crème**, and **8106–Ivory** will be free from manufacturing defects, the color will not fade or change more than 5 ΔE CIE lab units and gloss loss on a matte finish will not exceed 40%.

If any sheet of Avonite Surfaces® Acrylic Solid Surface made with the colors listed above shows a change in color of more than 5 ΔE CIE lab units or gloss loss in excess of 40% on a matte finish within five (5) or ten (10) years from the date of original purchase (depending upon the length of the applicable warranty term based upon the color of the product), Aristech will, at its option and sole discretion, either provide a replacement sheet of Avonite Surfaces® Acrylic Solid Surface or refund the original purchase price of the sheet.

This warranty applies only to Avonite Surfaces® Acrylic Solid Surface sheets formed, maintained and installed in the manner recommended by Aristech in its façade white book and which have not been moved from their original place of installation. For coverage under this warranty, you must register on line at www.aristechs-surfaces.com. The Company will assign a warranty registration number. To obtain service under this warranty, write to the dealer/contractor from whom you purchased the product or alternatively write to Aristech Surfaces LLC at the address given below providing your name and address, warranty registration number, a description of the product involved, and the nature of the defect or failure. Refund or replacement shall not include any labor charges. A warranty registration number, purchase receipt or other acceptable proof of purchase will be required before any warranty claim can be considered.

Warranty claims should be sent to:

Aristech Surfaces LLC
Attn: Director of Quality
7350 Empire Drive
Florence, KY 41042

ARISTECH may ship (freight collect) to you products replaced under this Limited Warranty.

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, AND ARISTECH EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE (EVEN IF THE PURPOSE IS KNOWN TO ARISTECH), OR FROM COURSE OF DEALING OR TRADE USAGE. THIS LIMITED WARRANTY SETS FORTH THE INITIAL PURCHASER'S SOLE REMEDY IN CONNECTION WITH THE SALE OR USE OF PRODUCTS COVERED BY THIS LIMITED WARRANTY AND IN NO EVENT SHALL ARISTECH BE OTHERWISE LIABLE FOR ANY LOSS, DAMAGE OR INJURY OF ANY NATURE ARISING OUT OF THE SALE OR USE OF THE PRODUCTS DELIVERED HEREUNDER, WHETHER FOR NEGLIGENCE, BREACH OF CONTRACT OR UNDER ANY OTHER LEGAL OR EQUITABLE THEORY. ARISTECH SHALL NOT BE LIABLE FOR ANY INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE SALE OR USE OF SUCH PRODUCTS, INCLUDING BUT NOT LIMITED TO LOST PROFITS, REVENUES, ANTICIPATED SALES, BUSINESS OPPORTUNITIES OR FOR INTERRUPTION OF BUSINESS. THIS WARRANTY IS NON TRANSFERABLE. ARISTECH ASSUMES NO LIABILITY FOR IMPROPER FABRICATION AND/OR INSTALLATION.

Exclusive jurisdiction for legal disputes relating to alleged breach of warranty or representation of any nature must be filed in either the state or federal courts located in Boone County, Kentucky. Kentucky law will govern all disputes or claims arising out of the sale, purchase or use of the solid surface products.

*Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.

Effective June 1 , 2018

6.7 Limited Warranty ADVANC3®

ADVANC3® Ten-Year Limited Warranty

Aristech Surfaces LLC ("Aristech") warrants to the original purchaser of any of its ADVANC3® solid surface products that Aristech will at its option repair or replace, without charge, such product if it fails due to a manufacturing defect within ten years after the date the ADVANC3® solid surface product was first installed, subject to the limitations set forth below. This Limited Warranty also includes reasonable labor charges needed to remove and replace the product covered by this Limited Warranty.

This Limited Warranty applies to any ADVANC3® solid surface product that is installed in residential or commercial applications in accordance with the fabrication guide and instructions, and maintained as specified by Aristech in publications relating to care for a permanent installation. A copy of such publications may be obtained, free of charge, from your dealer or by writing directly to Aristech.

This Limited Warranty does not cover damage caused by:

1. Failure to follow Aristech's procedures for handling, fabrication and installation.
2. Physical abuse, structural movement, damage from excessive heat, or breakage that is not caused by or due to a manufacturing defect.
3. Failure of any adhesive, caulk, or other finishing or maintenance accessory, or failure of any caulked or filled joint or seam.

This Limited Warranty applies only to ADVANC3® products:

1. Purchased for use in the United States and other countries where ADVANC3® is distributed, fabricated and installed by a qualified fabricator/installer.
2. Which fail due to a manufacturing defect; and
3. Which have not been moved from their original place of installation.

This Limited Warranty is for applications such as countertops, vanities and vertical applications, but does not apply to kitchen installations, where heat and moisture are prevalent, or installations in mobile environments such as recreational vehicles, marine crafts and airplanes. This Limited Warranty does not cover material exposed to weather conditions or exterior applications such as grill tops & exterior counters. This Limited Warranty does not cover color. If during or after installation you decide that you do not like the color selected due to sample chip variance, website or printed literature representation or other reason, replacement is not covered by this Limited Warranty.

For coverage under this Limited Warranty, you must register online at www.aristechs-surfaces.com. Aristech will assign a warranty registration number.

To obtain service under this Limited Warranty, write to the dealer/contractor from whom you purchased the product or alternatively write to:

Aristech Surfaces LLC at the address given below. Include the phrase "ADVANC3® Products, Ten-Year Limited Material Warranty", your name, address, a description of the problem and your warranty registration number. A response will be sent within 60 days. Aristech's obligation hereunder is limited solely to the repair or replacement, including reasonable, necessary labor charges, of the ADVANC3® product purchased hereunder.

The address to which warranty claims should be reported is:

Aristech Surfaces LLC
Attn. Director of Quality
7350 Empire Drive
Florence, KY 41042

ARISTECH may ship (freight collect) to you products repaired or replaced under this Limited Warranty.

This Limited Warranty is not transferable or assignable.

Exclusive jurisdiction for legal disputes relating to alleged breach of warranty or representation of any nature must be filed in either the state or federal courts located in Boone County, Kentucky. Kentucky law will govern all disputes or claims arising out of the sale, purchase or use of the solid surface products.

Aristech's obligation to repair or replace shall further be limited to repair or replacement with colors and styles of product that are available at the time of repair or replacement. Some variation in color or pattern is natural and can occur. Exact matching of color or color of replacement product is not guaranteed. No implied or express warranty of merchantability or fitness for a particular purpose is granted or created by this Limited Warranty and the same are expressly disclaimed below. Except as provided herein, Aristech shall not be liable in either tort or contract for any loss or direct, consequential or incidental damage arising out of the use or inability to use ADVANC3® residential or commercial products hereunder.

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, AND COMPANY EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE (EVEN IF THE PURPOSE IS KNOWN TO COMPANY), OR FROM COURSE OF DEALING OR TRADE USAGE. THIS LIMITED WARRANTY SETS FORTH THE SOLE REMEDY IN CONNECTION WITH THE SALE OR USE OF PRODUCTS COVERED BY THIS LIMITED WARRANTY AND IN NO EVENT SHALL COMPANY BE OTHERWISE LIABLE FOR ANY LOSS, DAMAGE OR INJURY OF ANY NATURE ARISING OUT OF THE SALE OR USE OF THE PRODUCTS DELIVERED HEREUNDER, WHETHER FOR NEGLIGENCE, BREACH OF CONTRACT OR UNDER ANY OTHER LEGAL OR EQUITABLE THEORY. COMPANY SHALL NOT BE LIABLE FOR ANY INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE SALE OR USE OF SUCH PRODUCTS, INCLUDING BUT NOT LIMITED TO LOST PROFITS, REVENUES, ANTICIPATED SALES, BUSINESS OPPORTUNITIES OR FOR INTERRUPTION OF BUSINESS. COMPANY ASSUMES NO LIABILITY FOR IMPROPER FABRICATION, INSTALLATION AND/OR THE USE OF ADHESIVES NOT MANUFACTURED OR DISTRIBUTED BY COMPANY.

*Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.

Note: This Limited Warranty does not include items identified as 'wear items' that can be purchased through Aristech Surfaces. If you require replacement of a 'wear item', please contact ARISTECH.

Effective March 1, 2019.

IMPORTANT NOTICE

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. User should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. **NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.** Nothing herein is to be taken as permission, inducement or recommendation to practice any patented invention without a license. Any information or suggestion concerning applications, specifications or compliance with codes and standards is provided solely for your convenient reference and without any representation as to accuracy or suitability. Aristech Surfaces LLC disclaims any responsibility. The user must verify and test the suitability of any information or products for his specific application.



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