

## **Solicitation 2014-392**

### **Detention Center Repairs And Renovations**

**Bid designation: Public**



**Collin County**

## Bid 2014-392 Detention Center Repairs And Renovations

Bid Number **2014-392**  
Bid Title **Detention Center Repairs And Renovations**

Bid Start Date **In Held**  
Bid End Date **Oct 30, 2014 2:00:00 PM CDT**  
Question & Answer End Date **Oct 28, 2014 10:00:00 AM CDT**

Bid Contact **J.D. Griffin, CPPB**  
**Buyer II**  
**Collin County Purchasing**  
**972-548-4116 ext 4116**  
**jgriffin@co.collin.tx.us**

Contract Duration **One Time Purchase**  
Contract Renewal **Not Applicable**  
Prices Good for **90 days**  
Pre-Bid Conference **Oct 21, 2014 9:00:00 AM CDT**  
**Attendance is optional**  
**Location: Collin County Justice Center Jail**  
**4300 Community Ave.**  
**McKinney, TX 75071**  
**Meet in Jail Lobby**  
**Jail Lobby is on the left hand side under the archway.**

Standard Disclaimer **\*\*\*Note to Bidders/Offerors~The following standard disclaimer applies to Invitation to Bid (IFB), Competitive Sealed Proposal (CSP), and Request for Proposal (RFP) ONLY, not applicable to Request for Qualifications (RFQ) or Request for Information (RFI).\*\*\***  
**Mailing Address:**  
**Collin County Purchasing**  
**2300 Bloomdale Rd., Ste 3160**  
**McKinney, TX 75071**  
**Prices bid/proposed shall only be considered if they are provided in the appropriate space(s) on the Collin County bid form(s). For consideration, any additions or deductions to the bid/proposal prices offered must be shown under the exceptions section of the bid/proposal in the case of electronic submittal, ONLY in the case of a hard copy submittal will an additional attachment be allowed. Extraneous numbers, prices, comments, etc. or bidder/offeror generated documents appearing elsewhere on the bid or as an additional attachment shall be deemed to have no effect on the prices offered in the designated locations.**  
**All delivery and freight charges (F.O.B. inside delivery at Collin County designated locations) are to be included as part of the bid/quote/proposal price. All components required to render the item complete, installed and operational shall be included in the total bid/quote/proposal price. Collin County will pay no additional freight/delivery/installation/setup fees.**

Bid Comments

### Item Response Form

Item **2014-392--01-01 - Detention Center Repairs And Renovations-Base Bid: Beverage Bars**  
Quantity **1 lot**  
Unit Price   
Delivery Location **Collin County**  
Collin County - See P.O.  
2300 Bloomdale Rd., Ste. 3160

\*\* See P.O. for Job Site \*\*  
 McKinney TX 75071  
 Qty 1

**Description**

State price including all labor and materials for the Detention Center Beverage Bar Renovation in Cluster One and Five. Reference Section 4.15 for specifications.

Item **2014-392--01-02 - Detention Center Repairs And Renovations-Base Bid: Officer POD Dayroom Desk and Cluster Control Desk**  
 Quantity **1 lot**  
 Unit Price   
 Delivery Location **Collin County**  
Collin County - See P.O.  
 2300 Bloomdale Rd., Ste. 3160  
 \*\* See P.O. for Job Site \*\*  
 McKinney TX 75071  
 Qty 1

**Description**

State price including all labor and materials for the Detention Center Officer POD Dayroom Desk and Cluster Control Desk Renovation in Cluster One, Three and Five. Reference Section 4.16 for specifications.

Item **2014-392--01-03 - Detention Center Repairs And Renovations-Base Bid: Restroom Repairs**  
 Quantity **1 lot**  
 Unit Price   
 Delivery Location **Collin County**  
Collin County - See P.O.  
 2300 Bloomdale Rd., Ste. 3160  
 \*\* See P.O. for Job Site \*\*  
 McKinney TX 75071  
 Qty 1

**Description**

State price including all labor and materials for Detention Center Restroom Repairs in Cluster one, three and Five. Reference Section 4.18 for specifications.

Item **2014-392--02-01 - Alternate One: Add-Officer POD Dayroom Desk-Phenolic Panels**  
 Quantity **1 lot**  
 Unit Price   
 Delivery Location **Collin County**  
Collin County - See P.O.  
 2300 Bloomdale Rd., Ste. 3160  
 \*\* See P.O. for Job Site \*\*  
 McKinney TX 75071  
 Qty 1

**Description**

Provide and install screw-on phenolic access panels over the left, center and right side door openings on twelve (12) officer POD dayroom desk (Contract Add). Alternate to Bid item 01-02- Base Bid: Officer POD Dayroom Desk and Cluster Control Desk.  
 Reference Section 4.17 and Attachment A-6 for specifications

Item **2014-392--02-02 - Alternate One: Deduct-Officer POD Dayroom Desk-Painting**  
 Quantity **1 lot**  
 Unit Price   
 Delivery Location **Collin County**  
Collin County - See P.O.  
 2300 Bloomdale Rd., Ste. 3160

\*\* See P.O. for Job Site \*\*  
McKinney TX 75071  
Qty 1

**Description**

Prep and paint only the areas not covered by new access panels. Only paint four inch base and three-quarter inch reveal around cabinet face and paint all other exposed sides and surfaces (Contract Deduct). Alternate to Bid item 01-02- Base Bid: Officer POD Dayroom Desk and Cluster Control Desk. Reference Section 4.17 and Attachment A-6 for specifications.



## **COLLIN COUNTY, TEXAS TERMS AND CONDITIONS**

### **1.0 GENERAL INSTRUCTIONS**

#### 1.0.1 Definitions

1.0.1.1 Bidder/Quoter/Offeror: refers to submitter.

1.0.1.2 Vendor/Contractor/Provider: refers to a Successful Bidder/Quoter/Contractor/Service Provider.

1.0.1.3 Submittal: refers to those documents required to be submitted to Collin County, by a Bidder/Quoter/Offeror.

1.0.1.4 IFB: refers to Invitation For Bid.

1.0.1.5 RFQ: refers to Request For Qualifications

1.0.1.6 RFP: refers to Request For Proposal.

1.0.1.7 RFI: refers to Request For Information.

1.0.1.8 CSP: refers to Competitive Sealed Proposal

1.0.1.9 Quotation: refers to Request for Quotation

1.1 If Bidder/Quoter/Offeror do not wish to submit an offer at this time, please submit a No Bid Form.

1.2 Awards shall be made not more than ninety (90) days after the time set for opening of submittals.

1.3 Collin County is always conscious and extremely appreciative of your time and effort in preparing your submittal.

1.4 Collin County exclusively uses BidSync for the notification and dissemination of all solicitations. The receipt of solicitations through any other company may result in your receipt of incomplete specifications and/or addendums which could ultimately render your bid non-compliant. Collin County accepts no responsibility for the receipt and/or notification of solicitations through any other company.

1.5 A bid/quote/submittal may not be withdrawn or canceled by the bidder/quoter/offeror prior to the ninety-first (91<sup>st</sup>) day following public opening of submittals and only prior to award.

1.6 It is understood that Collin County, Texas reserves the right to accept or reject any and/or all Bids/Quotes/Proposals/Submittals for any or all products and/or services covered in an Invitation For Bid

(IFB), Request For Qualifications (RFQ), Request For Proposal (RFP), Request For Information (RFI), Competitive Sealed Proposal (CSP), and Quotation, and to waive informalities or defects in submittals or to accept such submittals as it shall deem to be in the best interest of Collin County.

1.7 All IFB's, RFP's, CSP's, RFQ's, and RFI's submitted in hard copy paper form shall be submitted in a sealed envelope, plainly marked on the outside with the IFB/RFP/RFQ/RFI/CSP/Quotation number and name. A hard copy paper form submittal shall be manually signed in ink by a person having the authority to bind the firm in a contract. Submittals shall be mailed or hand delivered to the Collin County Purchasing Department.

1.8 No oral, telegraphic or telephonic submittals will be accepted. IFB's, RFP's, RFQ's, CSP's, and RFI's, may be submitted in electronic format via **BidSync**.

1.9 All Invitation For Bids (IFB), Request For Proposals (RFP), Request For Qualifications (RFQ), Competitive Sealed Proposals (CSP), and Request For Information (RFI), submitted electronically via **BidSync** shall remain locked until official date and time of opening as stated in the Special Terms and Conditions of the IFB, RFP, RFQ, CSP, and/or RFI.

1.10 Time/date stamp clock in Collin County Purchasing Department shall be the official time of receipt for all Invitation For Bids (IFB), Request For Proposals (RFP), Request For Qualifications (RFQ), Competitive Sealed Proposals (CSP), Request For Information (RFI), submitted in hard copy paper form. IFB's, RFP's, RFQ's, CSP's, RFI's, received in County Purchasing Department after submission deadline shall be considered void and unacceptable. Absolutely no late submittals will be considered. Collin County accepts no responsibility for technical difficulties related to electronic submittals.

1.11 For hard copy paper form submittals, any alterations made prior to opening date and time must be initialed by the signer of the IFB/RFQ/RFP/CSP/RFI/, guaranteeing authenticity. Submittals cannot be altered or amended after submission deadline.

1.12 Collin County is by statute exempt from the State Sales Tax and Federal Excise Tax; therefore, the prices submitted shall not include taxes.

1.13 Any interpretations, corrections and/or changes to an Invitation For Bid/Request For Qualifications/Request For Proposal/Request for Information/Competitive Sealed Proposal, and related Specifications or extensions to the opening/receipt date will be made by addenda to the respective document by the Collin County Purchasing Department. Questions and/or clarification requests must be submitted no later than seven (7) days prior to the opening/receipt date. Those received at a later date may not be addressed prior to the public opening. Sole authority to authorize addenda shall be vested in Collin County Purchasing Agent as entrusted by the Collin County Commissioners' Court. Addenda may be transmitted electronically via **BidSync**, by facsimile, E-mail transmission or mailed via the US Postal Service.

1.13.1 Addenda will be transmitted to all that are known to have received a copy of the IFB/RFQ/RFP/RFI/CSP and related Specifications. However, it shall be the sole responsibility of the Bidder/Quoter/Offeror to verify issuance/non-issuance of addenda and to check all avenues of document availability (i.e. **BidSync** at [www.bidsync.com](http://www.bidsync.com), telephoning Purchasing Department directly, etc.) prior to opening/receipt date and time to insure Bidder/Quoter/Offeror's receipt of any addenda issued. Bidder/Quoter/Offeror shall acknowledge receipt of all addenda.

1.14 All materials and services shall be subject to Collin County approval.

1.15 Collin County reserves the right to make award in whole or in part as it deems to be in the best interest of the County.

1.16 The Bidder/Quoter/Offeror shall comply with Commissioners' Court Order No. 96-680-10-28, Establishment of Guidelines & Restrictions Regarding the Acceptance of Gifts by County Officials & County Employees.

1.17 Any reference to model/make and/or manufacturer used in specifications is for descriptive purposes only. Products/materials of like quality will be considered.

1.18 Bidders/Quoters/Offerors taking exception to the specifications shall do so at their own risk. By

offering substitutions, Bidder/Quoter/Offeror shall state these exceptions in the section provided in the IFB/RFQ/RFP/CSP/Quotation or by attachment. Exception/substitution, if accepted, must meet or exceed specifications stated therein. Collin County reserves the right to accept or reject any and/or all of the exception(s)/substitution(s) deemed to be in the best interest of the County.

1.19 Minimum Standards for Responsible Prospective Bidders/Quoters/Offerors: A prospective Bidder/Quoter/Offeror must meet the following minimum requirements:

- 1.19.1 have adequate financial resources, or the ability to obtain such resources as required;
- 1.19.2 be able to comply with the required or proposed delivery/completion schedule;
- 1.19.3 have a satisfactory record of performance;
- 1.19.4 have a satisfactory record of integrity and ethics;
- 1.19.5 be otherwise qualified and eligible to receive an award.

Collin County may request documentation and other information sufficient to determine Bidder's/Quoter's/Offeror's ability to meet these minimum standards listed above.

1.20 Vendor shall bear any/all costs associated with its preparation of an RFI/IFB/RFQ/RFP/CSP/Quotation submittal.

1.21 Public Information Act: Collin County is governed by the Texas Public Information Act, Chapter 552 of the Texas Government Code. All information submitted by prospective bidders during the bidding process is subject to release under the Act.

1.22 The Bidder/Quoter/Offeror shall comply with Commissioners' Court Order No. 2004-167-03-11, County Logo Policy.

1.23 Interlocal Agreement: Successful bidder agrees to extend prices and terms to all entities that has entered into or will enter into joint purchasing interlocal cooperation agreements with Collin County.

1.24 Bid Openings: All bids submitted will be read at the county's regularly scheduled bid opening for the designated project. However, the reading of a bid at bid opening should be not construed as a comment on the responsiveness of such bid or as any indication that the county accepts such bid as responsive.

The county will make a determination as to the responsiveness of bids submitted based upon compliance with all applicable laws, Collin County Purchasing Guidelines, and project documents, including but not limited to the project specifications and contract documents. The county will notify the successful bidder upon award of the contract and, according to state law; all bids received will be available for inspection at that time.

## 2.0 TERMS OF CONTRACT

2.1 A bid/quote/proposal, when properly accepted by Collin County, shall constitute a contract equally binding between the Vendor/Contractor/Provider and Collin County. No different or additional terms will become part of this contract with the exception of an Amendment and/or a Change Order.

2.2 No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All Amendments and/or Change Orders to the contract will be made in writing by Collin County Purchasing Agent.

2.3 No public official shall have interest in the contract, in accordance with Vernon's Texas Codes Annotated, Local Government Code Title 5, Subtitle C, Chapter 171.

2.4 The Vendor/Contractor/Provider shall comply with Commissioners' Court Order No. 96-680-10-28,

Establishment of Guidelines & Restrictions Regarding the Acceptance of Gifts by County Officials & County Employees.

2.5 Design, strength, quality of materials and workmanship must conform to the highest standards of manufacturing and engineering practice.

2.6 Bids/Quotes/Proposals must comply with all federal, state, county and local laws concerning the type (s) of product(s)/service(s)/equipment/project(s) contracted for, and the fulfillment of all ADA (Americans with Disabilities Act) requirements.

2.7 All products must be new and unused, unless otherwise specified, in first-class condition and of current manufacture. Obsolete products, including products or any parts not compatible with existing hardware/software configurations will not be accepted.

2.8 Vendor/Contractor/Provider shall provide any and all notices as may be required under the Drug-Free Work Place Act of 1988, 28 CFR Part 67, Subpart F, to its employees and all sub-contractors to insure that Collin County maintains a drug-free work place.

2.9 Vendor/Contractor/Provider shall defend, indemnify and save harmless Collin County and all its officers, agents and employees and all entities, their officers, agents and employees who are participating in this contract from all suits, claims, actions, damages (including personal injury and or property damages), or demands of any character, name and description, (including attorneys' fees, expenses and other defense costs of any nature) brought for or on account of any injuries or damages received or sustained by any person, persons, or property on account of Vendor/Contractor/Provider's breach of the contract arising from an award, and/or any negligent act, error, omission or fault of the Vendor/Contractor/Provider, or of any agent, employee, subcontractor or supplier of Vendor/Contractor/Provider in the execution of, or performance under, any contract which may result from an award. Vendor/Contractor/Provider shall pay in full any judgment with costs, including attorneys' fees and expenses which are rendered against Collin County and/or participating entities arising out of such breach, act, error, omission and/or fault.

2.10 If a contract, resulting from a Collin County IFB, RFP, RFQ, CSP, Quotation is for the execution of a public work, the following shall apply:

2.10.1 In accordance with V.T.C.A. 2253.021, a governmental agency that makes a public work contract with a prime contractor shall require the contractor, before beginning work, to execute to the governmental entity a Payment Bond if the contract is in excess of \$25,000.00. Such bond shall be in the amount of the contract payable to the governmental entity and must be executed by a corporate surety in accordance with Section 1, Chapter 87, Acts of the 56<sup>th</sup> Legislature, Regular Session, 1959 (Article 7.19-1 Vernon's Texas Insurance Code).

2.10.2 In accordance with V.T.C.A. 2253.021, a governmental agency that makes a public work contract with a prime contractor shall require the contractor, before beginning work, to execute to the governmental entity a Performance Bond if the contract is in excess of \$100,000.00. Such bond shall be in the amount of the contract payable to the governmental entity and must be executed by a corporate surety in accordance with Section 1, Chapter 87, Acts of the 56<sup>th</sup> Legislature, Regular Session, 1959 (Article 7.19-1 Vernon's Texas Insurance Code).

2.11 Purchase Order(s) shall be generated by Collin County to the vendor. Collin County will not be responsible for any orders placed/delivered without a valid purchase order number.

2.12 The contract shall remain in effect until any of the following occurs: delivery of product(s) and/or completion and acceptance by Collin County of product(s) and/or service(s), contract expires or is terminated by either party with thirty (30) days written notice prior to cancellation and notice must state therein the reasons for such cancellation. Collin County reserves the right to terminate the contract immediately in the event the Vendor/Contractor/Provider fails to meet delivery or completion schedules, or otherwise perform in accordance with the specifications. Breach of contract or default authorizes the County to purchase elsewhere and charge the full increase in cost and handling to the defaulting Vendor/Contractor/Provider.

2.13 Collin County Purchasing Department shall serve as Contract Administrator or shall supervise agents

designated by Collin County.

2.14 All delivery and freight charges (FOB Inside delivery at Collin County designated locations) are to be included as part of the bid/quote/proposal price. All components required to render the item complete, installed and operational shall be included in the total bid/quote/proposal price. Collin County will pay no additional freight/delivery/installation/setup fees.

2.15 Vendor/Contractor/Provider shall notify the Purchasing Department immediately if delivery/completion schedule cannot be met. If delay is foreseen, the Vendor/Contractor/Provider shall give written notice to the Purchasing Agent. The County has the right to extend delivery/completion time if reason appears valid.

2.16 The title and risk of loss of the product(s) shall not pass to Collin County until Collin County actually receives and takes possession of the product(s) at the point or points of delivery. Collin County shall generate a purchase order(s) to the Vendor/Contractor/Provider and the purchase order number must appear on all itemized invoices.

2.17 Invoices shall be mailed directly to the Collin County Auditor's Office, 2300 Bloomdale Road, Suite 3100, McKinney, Texas 75071. All invoices shall show:

2.17.1 Collin County Purchase Order Number;

2.17.2 Vendor's/Contractor's/Provider's Name, Address and Tax Identification Number;

2.17.3 Detailed breakdown of all charges for the product(s) and/or service(s) including applicable time frames.

2.18 Payment will be made in accordance with V.T.C.A., Government Code, Title 10, Subtitle F, Chapter 2251.

2.19 All warranties shall be stated as required in the Uniform Commercial Code.

2.20 The Vendor/Contractor/Provider and Collin County agree that both parties have all rights, duties, and remedies available as stated in the Uniform Commercial Code.

2.21 The Vendor/Contractor/Provider agree to protect Collin County from any claims involving infringements of patents and/or copyrights.

2.22 The contract will be governed by the laws of the State of Texas. Should any portion of the contract be in conflict with the laws of the State of Texas, the State laws shall invalidate only that portion. The remaining portion of the contract shall remain in effect. The contract is performable in Collin County, Texas.

2.23 The Vendor/Contractor/Provider shall not sell, assign, transfer or convey the contract, in whole or in part, without the prior written approval from Collin County.

2.24 The apparent silence of any part of the specification as to any detail or to the apparent omission from it of a detailed description concerning any point, shall be regarded as meaning that only the best commercial practices are to prevail. All interpretations of the specification shall be made on the basis of this statement.

2.25 Vendor/Contractor/Provider shall not fraudulently advertise, publish or otherwise make reference to the existence of a contract between Collin County and Vendor/Contractor/Provider for purposes of solicitation. As exception, Vendor/Contractor/Provider may refer to Collin County as an evaluating reference for purposes of establishing a contract with other entities.

2.26 The Vendor/Contractor/Provider understands, acknowledges and agrees that if the Vendor/Contractor/Provider subcontracts with a third party for services and/or material, the primary Vendor/Contractor/Provider (awardee) accepts responsibility for full and prompt payment to the third party. Any dispute between the primary Vendor/Contractor/Provider and the third party, including any payment dispute, will be promptly remedied by the primary vendor. Failure to promptly render a remedy or to make prompt payment to the third party (subcontractor) may result in the withholding of funds from the primary Vendor/Contractor/Provider by Collin County for any payments owed to the third party.

2.27 Vendor/Contractor/Provider shall provide Collin County with diagnostic access tools at no additional cost to Collin County, for all Electrical and Mechanical systems, components, etc., procured through this contract.

2.28 Criminal History Background Check: If required, ALL individuals may be subject to a criminal history background check performed by the Collin County's Sheriff's Office prior to access being granted to Collin County. Upon request, Vendor/Contractor/Provider shall provide list of individuals to Collin County Purchasing Department within five (5) working days.

2.29 Non-Disclosure Agreement: Where applicable, vendor shall be required to sign a non-disclosure agreement acknowledging that all information to be furnished is in all respects confidential in nature, other than information which is in the public domain through other means and that any disclosure or use of same by vendor, except as provided in the contract/agreement, may cause serious harm or damage to Collin County. Therefore, Vendor agrees that Vendor will not use the information furnished for any purpose other than that stated in contract/agreement, and agrees that Vendor will not either directly or indirectly by agent, employee, or representative disclose this information, either in whole or in part, to any third party, except on a need to know basis for the purpose of evaluating any possible transaction. This agreement shall be binding upon Collin County and Vendor, and upon the directors, officers, employees and agents of each.

2.30 Vendors/Contractors/Providers must be in compliance with the Immigration and Reform Act of 1986 and all employees specific to this solicitation must be legally eligible to work in the United States of America.

2.31 Certification of Eligibility: This provision applies if the anticipated Contract exceeds \$100,000.00 and as it relates to the expenditure of federal grant funds. By submitting a bid or proposal in response to this solicitation, the Bidder/Quoter/Offeror certifies that at the time of submission, he/she is not on the Federal Government's list of suspended, ineligible, or debarred contractors. In the event of placement on the list between the time of bid/proposal submission and time of award, the Bidder/Quoter/Offeror will notify the Collin County Purchasing Agent. Failure to do so may result in terminating this contract for default.

2.32 Notice to Vendors/Contractors/Providers delivering goods or performing services within the Collin County Detention Facility: The Collin County Detention Facility houses persons who have been charged with and/or convicted of serious criminal offenses. When entering the Detention Facility, you could: (1) hear obscene or graphic language; (2) view partially clothed male inmates; (3) be subjected to verbal abuse or taunting; (4) risk physical altercations or physical contact, which could be minimal or possibly serious; (5) be exposed to communicable or infectious diseases; (6) be temporarily detained or prevented from immediately leaving the Detention Facility in the case of an emergency or "lockdown"; and (7) subjected to a search of your person or property. While the Collin County Sheriff's Office takes every reasonable precaution to protect the safety of visitors to the Detention Facility, because of the inherently dangerous nature of a Detention Facility and the type of the persons incarcerated therein, please be advised of the possibility of such situations exist and you should carefully consider such risks when entering the Detention Facility. By entering the Collin County Detention Facility, you acknowledge that you are aware of such potential risks and willingly and knowingly choose to enter the Collin County Detention Facility.

2.33 Delays and Extensions of Time when applicable:

2.33.1 If the Vendor/Contractor/Provider is delayed at any time in the commence or progress of the Work by an act or neglect of the Owner or Architect/Engineer, or of an employee of either, or of a separate contractor employed by the Owner, or by changes ordered in the Work, or by labor disputes, fire, unusual delay in deliveries, unavoidable casualties or other causes beyond the Vendor/Contractor/Provider's control, or by delay authorized by the Owner pending mediation and arbitration, or by other causes which the Owner or Architect/Engineer determines may justify delay, then the Contract Time shall be extended by Change Order for such reasonable time as the Owner/Architect may determine.

2.33.2 If adverse weather conditions are the basis for a Claim for additional time, such Claim shall be documented by data substantiating that weather conditions were abnormal for the period of time and could not have been reasonably anticipated, and that the weather conditions had an adverse effect on the scheduled construction.

**NOTE:** All other terms and conditions (i.e. Insurance Requirements, Bond Requirements, etc.) shall be stated in the individual IFB/RFQ/RFP/RFI/CSP/Quotation Solicitation documents as Special Terms, Conditions and Specifications.

<b>3.0 INSURANCE REQUIREMENTS</b>
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3.1 Before commencing work, the vendor shall be required, at its own expense, to furnish the Collin County Purchasing Agent with certified copies of all insurance certificate(s) indicating the coverage to remain in force throughout the term of this contract.

3.1.1 **Commercial General Liability** insurance including but not limited to the coverage indicated below. Coverage shall not exclude or limit Products/Completed Operations, Contractual Liability, or Cross Liability.

- Each Occurrence: \$1,000,000
- Personal & Adv Injury: \$1,000,000
- Products/Completed Operation: \$2,000,000
- General Aggregate: \$2,000,000

3.1.2 **Workers Compensation** insurance as required by the laws of Texas, and Employers' Liability.

Employers' Liability

- Liability, Each Accident: \$500,000
- Disease-Each Employee: \$500,000
- Disease – Policy Limit: \$500,000

3.1.3 **Commercial Automobile Liability** insurance including owned, non-owned, and hired vehicles used in connection with the contract.

- Combined Single Limit – Each Accident: \$1,000,000

3.2 With reference to the foregoing insurance requirement, the vendor shall endorse applicable insurance policies as follows:

3.2.1 A waiver of subrogation in favor of Collin County, its officials, employees, volunteers and officers shall be contained on all policies.

3.2.2 The vendor's insurance coverage shall name Collin County as additional insured under the General Liability policy.

3.2.3 All insurance policies shall be endorsed to require the insurer to immediately notify Collin County of any decrease in the insurance coverage limits.

3.2.4 All insurance policies shall be endorsed to the effect that Collin County will receive at least thirty (30) days notice prior to cancellation, non-renewal or termination of the policy.

3.2.5 All copies of Certificates of Insurance shall reference the project/contract number.

3.3 All insurance shall be purchased from an insurance company that meets the following requirements:

3.3.1 A financial rating of B+VI or better as assigned by the BEST Rating Company or equivalent.

3.4 Certificates of Insurance shall be prepared and executed by the insurance company or its authorized agent, and shall contain provisions representing and warranting the following:

3.4.1 Sets forth all endorsements and insurance coverages according to requirements and instructions contained herein.

3.4.2 Sets forth the notice of cancellation or termination to Collin County.

**4.0 SPECIAL CONDITIONS AND SPECIFICATIONS**

4.1 Authorization: By order of the Commissioners' Court of Collin County, Texas sealed bids will be received for Detention Center Repairs and Renovations.

4.2 Purpose: The intended use/purpose for this Invitation For Bid is to describe Detention Center Repairs and Renovations at Collin County Justice Center.

4.3 Pre-Bid Conference: A pre-bid conference will be held at 9:00 A.M., October 21, 2014 at the Collin County Justice Center located at 4300 Community Ave., McKinney, TX 75071. Once the pre-bid conference has begun, late arrivals will not be allowed to join the conference.

4.4 Term: Provide for a contract commencing on the date of the award and continuing until the project is complete.

4.5 Funding: Funds for payment for Collin County expenditures have been provided through the Collin County budget approved by the Commissioners' Court for this fiscal year only. All other participating entities expenditures have been provided through their entity's governing body for this fiscal year only. State of Texas statutes prohibit any obligation of public funds beyond the fiscal year for which a budget has been approved. Therefore, anticipated orders or other obligations that arise past the end of the current fiscal year shall be subject to budget approval.

4.6 Price Reduction: If during the life of the contract, the vendor's net prices to its customers for the same product(s) and/or services shall be reduced below the contracted price, it is understood and agreed that Collin County shall receive such price reduction.

4.7 Delivery/Completion/Response Time: Vendor shall state the number of calendar days to complete services at the County's designated location after receipt of purchase order in the space provided on the Company Profile and Signature Form.

4.8 Delivery/Setup/Installation Locations: Locations for delivery and installation are Collin County Justice Center, 4300 Community Ave., McKinney, TX 75071. Delivery, assembly, set-up and installation shall be included in the bid price.

4.9 Testing: Testing may be performed at the request of Collin County, by an agent so designated by the County, without expense to Collin County.

4.10 Samples/Demos: When requested, samples/demos shall be furnished to the County at no expense.

4.11 Bid Documents: Contractor shall notify Collin County prior to bid if the bid documents are missing scope, incomplete or are contrary to actual site conditions.

4.12 Bonds: In accordance with V.T.C.A. 2253.021, a governmental agency that makes a public work contract with a prime contractor shall require the contractor, before beginning work, to execute to the governmental entity a Payment Bond if the contract is in excess of \$25,000.00 and a Performance Bond if the contract is in excess of \$100,000. Such bond shall be in the amount of the contract payable to the governmental entity and must be executed by a corporate surety in accordance with Section 1, Chapter

87, Acts of the 56<sup>th</sup> Legislature, Regular Session, 1959 (Article 7.19-1 Vernon's Texas Insurance Code).

4.13 Liquidated Damages: Should the contractor fail to complete the project within the specified completion schedule the sum of \$175.00 per calendar day will be deducted from the monies due the contractor for the work. This sum shall not be considered as a penalty, but rather as reasonable liquidated damages, since it would be impracticable or extremely difficult to fix the actual damages. An extension of time may be allowed for delays beyond the control of the contractor at the discretion of Owner.

4.14 Project Requirements and Clarifications:

4.14.1 The staging for this project will take place per each POD or Cluster Control Room, one at a time, from start to completion. Once a POD is completed then two days later the next POD can be started. Repeat this process until the project is completed.

4.14.2 Contractor is responsible for all field verification of actual site conditions and dimensions such as cabinets, demo footages, counter top footages, measure areas that require patches, texture and paint, plumbing connections, electrical move (if any) and match all the finishes not mentioned in this scope. Items listed in this request are provided for bidding proposes only.

4.14.3 All screws, anchors, sealants and fasteners shall be detention grade to match the existing finishes.

4.14.4 Once awarded the contract, a mandatory background check performed by Collin County will be required for all persons who will be onsite for this project.

4.14.5 This project requires a fulltime escort by a Facilities Technician or Sheriff's Deputy.

4.14.6 All cabinet paint is required to be enamel with low fume and the wall paint shall be epoxy antimicrobial per the attached specifications. All paint and prep shall be applied per the manufacturer's recommendations.

4.14.7 County will provide paint codes and manufacturer for the contractor to purchase the paint.

4.14.8 All scope of this project is located inside an active Detention Holding Center.

4.14.9 Contractor will not have onsite storage or office space available for this project. Materials can be stored in the secured housing POD during scheduled work days.

4.14.10 The contractor is responsible for removing and hauling away all project trash and removed materials. Contractor shall not use County dumpsters.

4.14.11 The project schedule is anticipated to be twelve weeks from award to completion to allow the Sheriff's Office to move inmates from areas of work and to allow time for the contractor to complete the bid scope in each POD / Cluster Control.

4.14.12 This project requires the contractor to provide a project schedule with the bid. If Collin County delays the contractor, days may be added to the project schedule.

4.14.13 All work for this project shall be scheduled with the following time and day restrictions for the required escorts: Monday through Friday from 7:00 AM to 4:00 PM (With one hour mandatory break).

4.14.14 Specified Materials:

4.14.14.1 Wall paint: Sherwin Williams PNT 1 Industrial Epoxy or Collin County approved equal.

4.14.14.2 Ceiling paint: Sherwin Williams PNT 1 PNT 1 Industrial Enamel or Collin County approved equal.

4.14.14.3 Detention Grade Caulk: BASF Sonolastic® Ultra Joint Sealer or Collin County approved equal.

4.14.14.4 Concrete Floor Sealer: Thompsons Water Seal Ultra or Collin County approved equal.

4.14.14.5 Phenolic: Standard ½ inch Durcon Inc. Solid Phenolic or Collin County approved equal. Three (3) twelve (12) inch by twelve (12) inch samples in colors Durcon North Sea, Atlantic and Brittany Blue or equal shall be submitted for color selection by County.

4.14.14.6 Reference Attachment A-7 Materials Specifications. Bidder shall attach to bid, a specification sheet for any materials being bid as an equal.

4.15 Detention Center Beverage Bar Renovation Scope: This project consists of removing four beverage bars in the Collin County Detention Center and replacing with four county provided stainless steel tables with mounted sinks and faucets. Reference Attachment A-8 for specifications of County provided tables, sinks and faucets.

- 4.15.1 Remove approximately nine (9) feet of upper cabinets in Clusters 5B, 5C and 5D.
- 4.15.2 Disconnect the water supplies and drains for the four (4) sinks in Clusters 1A, 5B, 5C and 5D.
- 4.15.3 Remove approximately eleven (11) feet of base cabinets and counter top in Clusters 5B, 5C and 5D.
- 4.15.4 Remove approximately six (6) feet of base cabinets, counter top and disconnect the existing plumbing from the sink in Cluster 1A SEG.
- 4.15.5 Haul away all removed materials offsite.
- 4.15.6 Patch the areas on the ceiling and on the walls where the cabinets were removed in Clusters 1A, 5B, 5C and 5D. Patch and prepare all imperfections in the areas where new paint is scheduled.
- 4.15.7 Paint walls in beverage bar area approximately eight (8) feet tall and thirty-two (32) feet long in Clusters 5B, 5C and 5D with specified paint.
- 4.15.8 Paint wall in beverage bar area approximately eight (8) feet tall and seven (7) feet long in Clusters 1A with specified paint.
- 4.15.9 Paint ceilings in beverage bar area approximately ten (10) feet by twenty (20) feet in Clusters 5B, 5C and 5D with specified paint.
- 4.15.10 Clean and seal the concrete floors in Clusters 1A, 5B, 5C and 5D where the base cabinets were removed. Float the concrete to finish level where required.
- 4.15.11 Install the four (4) county provided tables with sinks in Clusters 1A, 5B, 5C and 5D per the attached specification. The tables will need to be adjusted, set level and lagged to the walls or floors.  
All four (4) new tables are six (6) feet long for Clusters 1A, 5B, 5C and 5D.
- 4.15.12 Connect the four (4) new sinks with four (4) new faucets to the existing plumbing in Clusters 1A, 5B, 5C and 5D. Provide all the necessary water lines, valves and drain line materials to provide a fully functional sink. Faucets are County provided and are mounted to the table splash by the table manufacture.
- 4.15.13 Clean up ALL areas affected by construction.
- 4.15.14 Reference attachment A-1 for existing beverage bar picture.

4.16 Officer POD Dayroom Desk and Cluster Control Desk Scope: This project consists of renovating the Officer POD dayroom desk and Cluster Control Desk in Cluster One, Cluster Three and Cluster Five. Collin County will provide twenty-eight (28) cabinets. Reference attachment A-9 for specifications of County provided cabinets.

4.16.1 Remove and haul away the counter tops in twelve (12) POD dayrooms and three (3) Cluster Control Rooms.

4.16.2 Provide and install fifteen (15) new phenolic tops; twelve (12) in Dayroom PODs and three (3) in the Cluster Control Rooms with three (3) inch backsplash, two (2) 1-1/2 inch holes for wire access and one (1) one (1) inch hole for fire alarm conduit.

4.16.3 Remove and haul away one (1) base drawer cabinet in twelve (12) PODs and three (3) Cluster Control Rooms.

4.16.4 Prep and paint the base cabinets in twelve (12) dayroom PODs and three (3) Cluster Control Rooms.

4.16.5 Prep and paint the walls in and around the dayroom POD desk in ten (10) locations.

4.16.6 Install county provided cabinets in the twelve (12) dayroom PODs and three (3) Cluster Control Rooms.

4.16.7 Reference attachments A-2, A-3, A-4 and A-10 for pictures and drawings of POD Dayroom Desks and Cluster Control Room Cabinets.

4.16.8 Install one (1) electrical box and stub a conduit below the new top to relocate the fire alarm pull in fifteen (15) locations.

4.17 Alternate One-Officer POD Dayroom Desk

4.17.1 Provide and install screw-on phenolic access panels over the left, center and right side door openings on the twelve (12) officer POD dayroom desk. (Contract Add)

4.17.2 Prep and paint only the areas not covered by new access panels. Only paint four (4) inch base and three-quarter inch reveal around cabinet face and paint all other exposed sides and surfaces. (Contract Deduct)

4.17.3 Reference attachment A-6 for picture with sketch of alternate.

4.18 Detention Center Cluster One, Three and Five Restroom Repairs Scope: This project consists of cutting door jambs, preparing and painting the door jambs and replacing hinges as necessary.

4.18.1 Specifications for restroom door frames and door repairs:

4.18.1.1 Cut approximately three (3) to four (4) inches from the bottom of the door jambs as necessary.

4.18.1.2 Smooth the cut metal edges of the cut jambs.

4.18.1.3 Smooth and fill all voids in concrete/masonry with a non-shrink paintable grout.

4.18.1.4 Repair any damage to frames and treat or cut out rust as required.

4.18.1.5 Paint all jambs with antimicrobial epoxy paint the owner provided color.

4.18.1.6 Replace the worn hinges with the same new hinges with detention grade screws.

4.18.1.7 Replace any screws that are missing in the doors or the hinges.

4.18.1.8 Replace missing or damaged door stops with new to match the existing.

4.18.1.9 Replace missing or damaged door silencers with strip silencers.

4.18.1.10 Reference attachment A-5 for existing restroom doors and hinges.

4.18.2 Cluster One, Pod A.

4.18.2.1 No work in this area.

4.18.3 Cluster One, Pod B:

4.18.3.1 Top Left Restroom- Cut frame and paint jamb

4.18.3.2 Top Center Restroom- Paint two (2) door jambs

4.18.3.3 Top Right Restroom- Cut frame and paint jamb

4.18.3.4 Bottom Left- Cut frames, paint two (2) jambs and replace right-side hinge.

4.18.4 Cluster One, Pod C:

4.18.4.1 Top Left Restroom- Cut frame, paint jamb and replace hinge.

4.18.4.2 Top Center Restroom- Paint door jambs and replace hinges.

4.18.4.3 Top Right Restroom- Cut frame, paint jamb and replace hinge.

4.18.4.4 Bottom Right- Cut frames, paint jambs and replace two (2) hinges.

4.18.5 Cluster One, Pod D:

4.18.5.1 Top Left Restroom- Cut frame, paint jamb and replace hinge.

4.18.5.2 Top Center Restroom- Cut frames, paint door jambs and replace hinges.

4.18.5.3 Top Right Restroom- Cut frame, paint jamb and replace hinge.

4.18.5.4 Bottom Left- Cut frames, paint jambs and replace two (2) hinges.

4.18.6 Cluster Three, Pod A:

4.18.6.1 Top Left Restroom- Cut frame, paint jamb and replace hinge.

4.18.6.2 Top Center Restroom- Paint door jambs and replace one (1) hinge.

4.18.6.3 Top Right Restroom- Paint jamb and hinge.

4.18.6.4 Bottom Right- Cut frames, paint two (2) jambs and replace hinges.

4.18.7 Cluster Three, Pod B:

4.18.7.1 Janitors Closet- Paint door jamb and replace two (2) spring control hinges.

4.18.7.2 Top Left Restroom- Cut frame, paint jamb and replace hinge.

4.18.7.3 Top Center Restroom- Paint two (2) door jambs and replace right-side hinge.

4.18.7.4 Top Right Restroom- Cut frame, paint jamb and replace hinge.

4.18.7.5 Special Housing Unit (SHU) Bottom Left Restroom- Paint jamb

4.18.8 Cluster Three, Pod C:

4.18.8.1 Top Left Restroom- Cut frame, paint jamb and replace hinge.

4.18.8.2 Top Center Restroom- Paint door jambs and replace hinges.

4.18.8.3 Top Right Restroom- Cut frame, paint jamb and replace hinge.

4.18.8.4 Bottom Right- Cut frame, paint jamb and replace hinge.

4.18.9 Cluster Three, Pod D:

4.18.9.1 Top Left Restroom- Cut frames, paint jambs and replace hinges.

4.18.9.2 Top Center Restroom- Paint door jambs and replace hinges.

4.18.9.3 Top Right Restroom- Paint jamb and replace hinge.

4.18.9.4 Bottom Left- Cut frames, paint jambs and replace two (2) hinges.

4.18.10 Cluster Five, Pod A, Special Housing Unit (SHU)

4.18.10.1 Dayroom Shower-Cut frame, paint jamb and replace hinge.

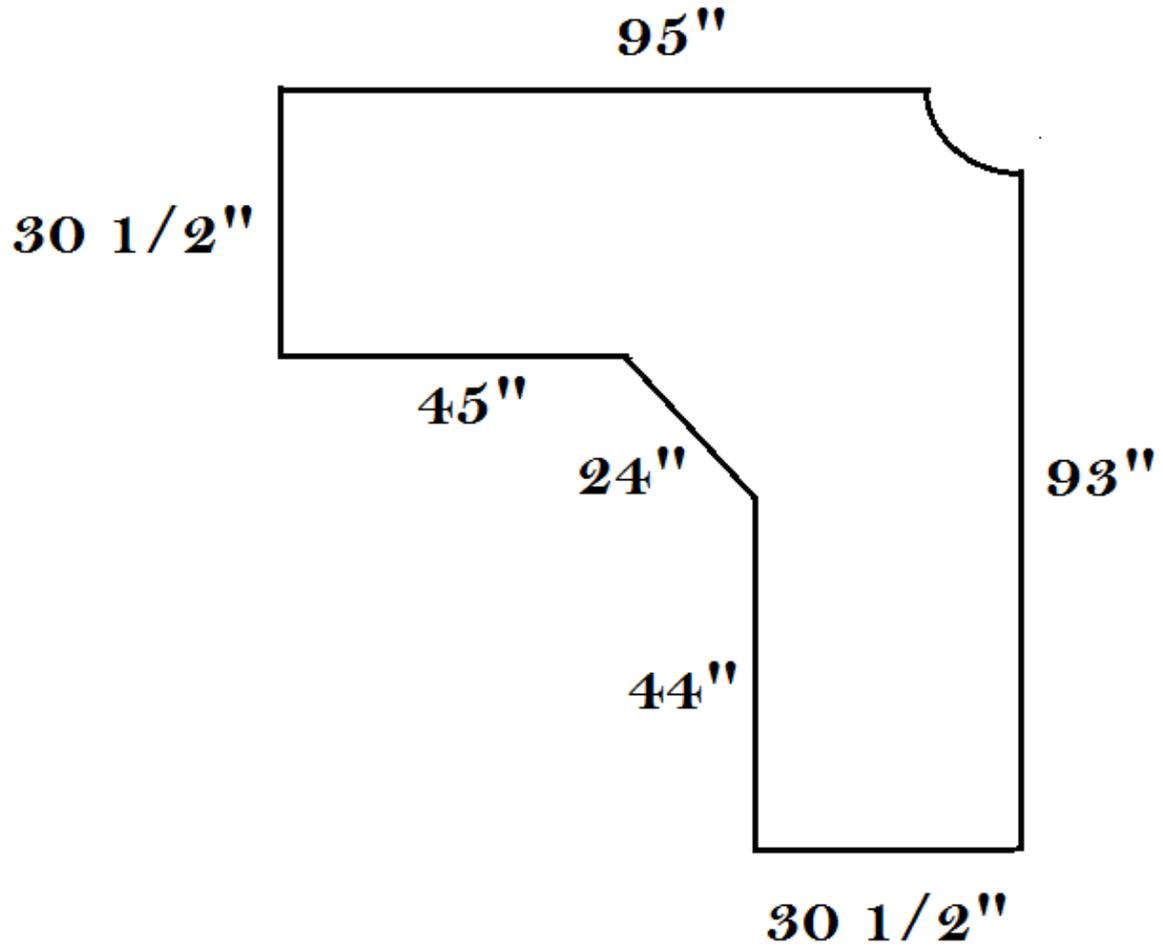
**Attachment A-1**

**Typical Existing Beverage Bar**



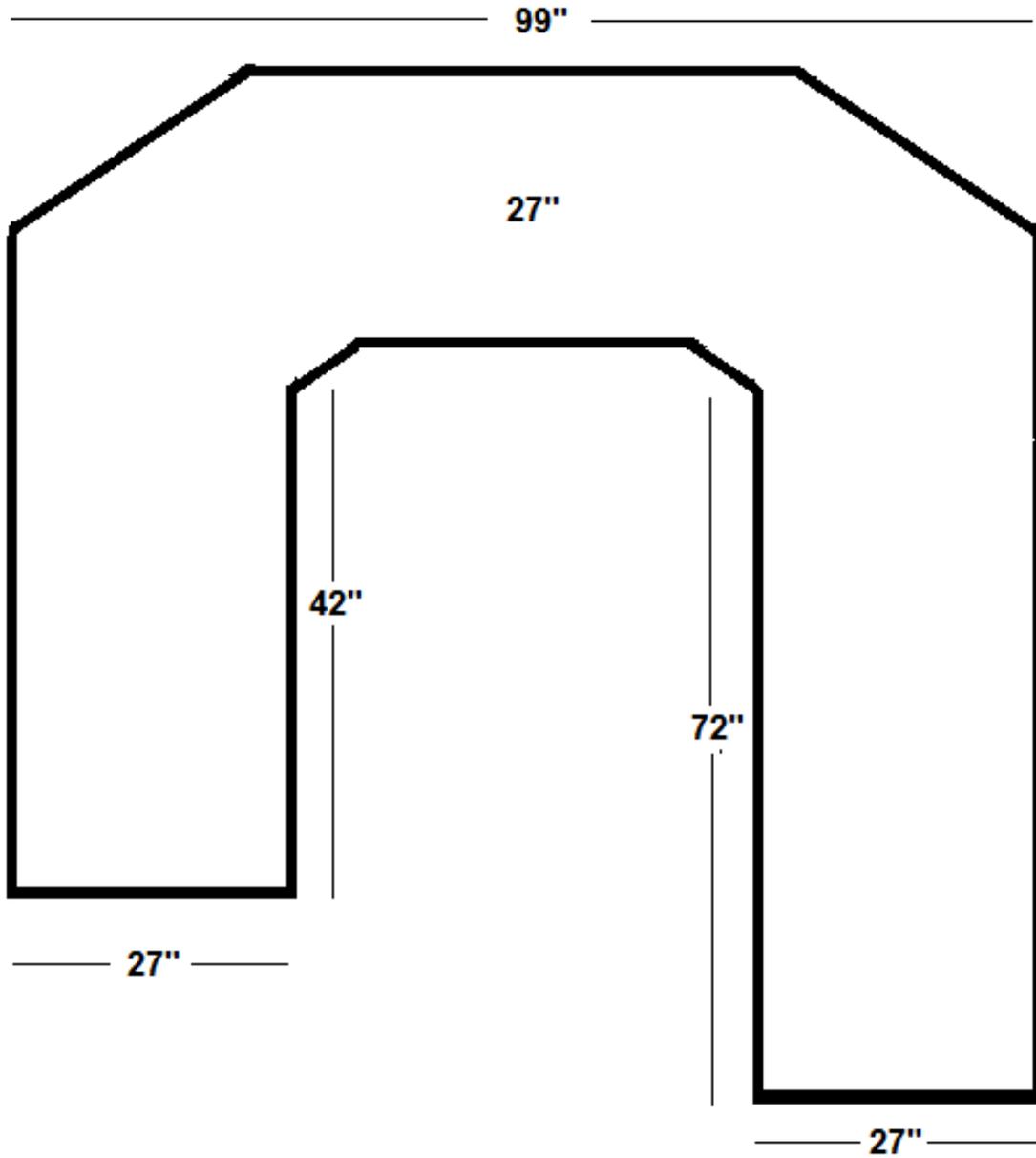
**Attachment A-2**

**Approximate POD Dayroom Desk Dimensions**



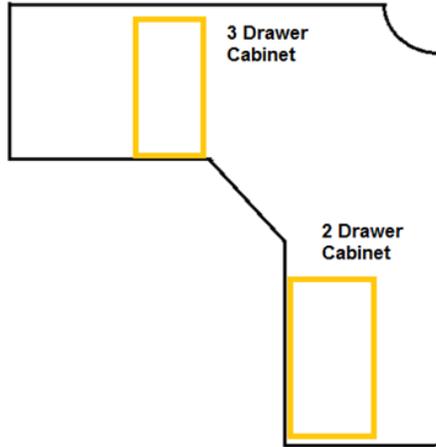
Attachment A-2

**Approximate Cluster Control Dimensions**

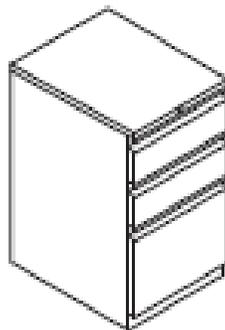
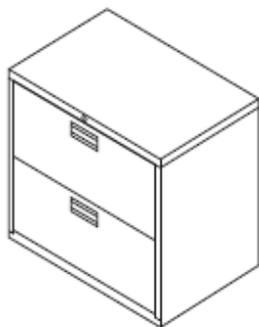
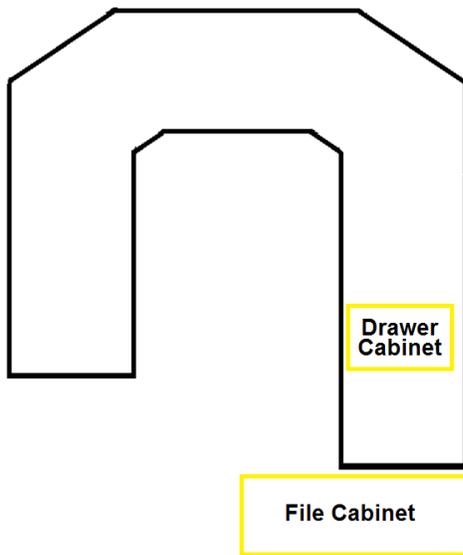


### Attachment A-2

### POD Dayroom Desk Tops and Cabinet Layouts

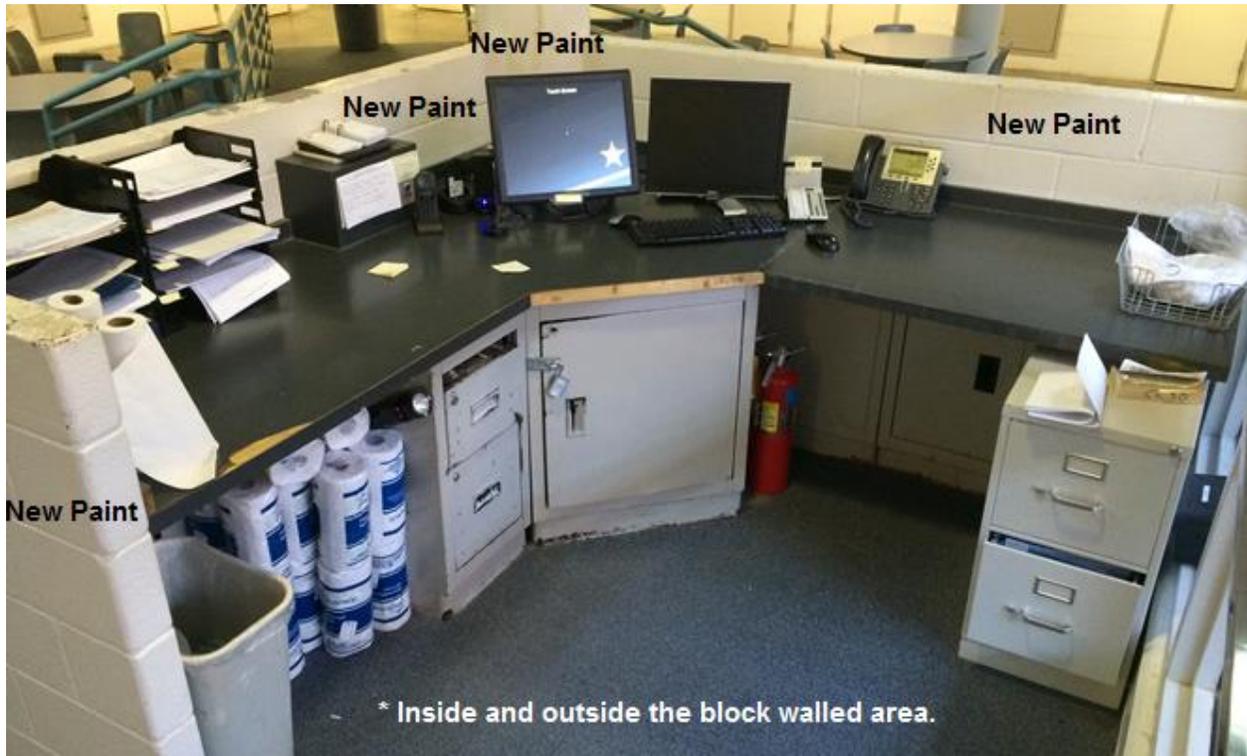


### Cluster Control Desk Tops and Cabinet Layouts



**Attachment A-3**

**POD Dayroom Officer Desk-Existing Layout**



**POD Dayroom Desk Cabinets**



**Attachment A-3**

**POD Dayroom Desk Cabinets**



**Attachment A-4**

**Cluster Control Desk-Existing Cabinets**



**Attachment A-4**

**Cluster Control Desk-Existing Cabinets**



**Attachment A-4**

**Cluster Control Cabinet to be removed**



**Attachment A-5**

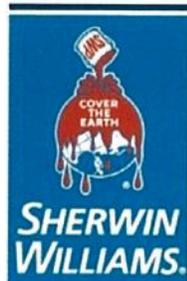
**Typical Existing Restroom Doors and Hinges**



**Attachment A-6**

**POD Dayroom Officer Desk-Alternate 1**





# Protective & Marine Coatings

# MACROPOXY® 646 FAST CURE EPOXY

PART A B58-600  
PART B B58V600

SERIES  
HARDENER

Revised: December 2, 2013

## PRODUCT INFORMATION

4.53

### PRODUCT DESCRIPTION

**MACROPOXY 646 FAST CURE EPOXY** is a high solids, high build, fast drying, polyamide epoxy designed to protect steel and concrete in industrial exposures. Ideal for maintenance painting and fabrication shop applications. The high solids content ensures adequate protection of sharp edges, corners, and welds. This product can be applied directly to marginally prepared steel surfaces.

- Low VOC
- Low odor
- Outstanding application properties
- Meets Class A requirements for Slip Coefficient, 0.36 @ 6 mils / 150 microns dft (Mill White only)
- Chemical resistant
- Abrasion resistant

### PRODUCT CHARACTERISTICS

<b>Finish:</b>	Semi-Gloss
<b>Color:</b>	Mill White, Black and a wide range of colors available through tinting
<b>Volume Solids:</b>	72% ± 2%, mixed, Mill White
<b>Weight Solids:</b>	85% ± 2%, mixed, Mill White
<b>VOC (EPA Method 24):</b>	Unreduced: <250 g/L; 2.08 lb/gal mixed Reduced 10%: <300 g/L; 2.50 lb/gal
<b>Mix Ratio:</b>	1:1 by volume

### Recommended Spreading Rate per coat:

	Minimum	Maximum
<b>Wet mils (microns)</b>	7.0 (175)	13.5 (338)
<b>Dry mils (microns)</b>	5.0* (125)	10.0* (250)
<b>~Coverage sq ft/gal (m<sup>2</sup>/L)</b>	116 (2.8)	232 (5.7)
<b>Theoretical coverage sq ft/gal (m<sup>2</sup>/L) @ 1 mil / 25 microns dft</b>	1152 (28.2)	

\*May be applied at 3.0-10.0 mils (75-250 microns) dft as an intermediate coat in a multi-coat system. Refer to Recommended Systems (page 2). See Performance Tips section also.

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

### Drying Schedule @ 7.0 mils wet (175 microns):

	@ 35°F/1.7°C	@ 77°F/25°C 50% RH	@ 100°F/38°C
<b>To touch:</b>	4-5 hours	2 hours	1.5 hours
<b>To handle:</b>	48 hours	8 hours	4.5 hours
<b>To recoat:</b>			
<b>minimum:</b>	48 hours	8 hours	4.5 hours
<b>maximum:</b>	1 year	1 year	1 year
<b>To cure:</b>			
<b>Service:</b>	10 days	7 days	4 days
<b>Immersion:</b>	14 days	7 days	4 days

If maximum recoat time is exceeded, abrade surface before recoating. Drying time is temperature, humidity, and film thickness dependent. Paint temperature must be at least 40°F (4.5°C) minimum.

<b>Pot Life:</b>	10 hours	4 hours	2 hours
<b>Sweat-in-time:</b>	30 minutes	30 minutes	15 minutes

### When used as an intermediate coat as part of a multi-coat system:

#### Drying Schedule @ 5.0 mils wet (125 microns):

	@ 35°F/1.7°C	@ 77°F/25°C 50% RH	@ 100°F/38°C
<b>To touch:</b>	3 hours	1 hour	1 hour
<b>To handle:</b>	48 hours	4 hours	2 hours
<b>To recoat:</b>			
<b>minimum:</b>	16 hours	4 hours	2 hours
<b>maximum:</b>	1 year	1 year	1 year

### PRODUCT CHARACTERISTICS (Cont'd)

<b>Shelf Life:</b>	36 months, unopened Store indoors at 40°F (4.5°C) to 100°F (38°C).
<b>Flash Point:</b>	91°F (33°C), TCC, mixed
<b>Reducer/Clean Up:</b>	Reducer, R7K15
<b>In California:</b>	Reducer R7K111 or Oxsol 100

### PERFORMANCE CHARACTERISTICS

**Substrate\*:** Steel

**Surface Preparation\*:** SSPC-SP10/NACE 2

**System Tested\*:**

1 ct. Macropoxy 646 Fast Cure @ 6.0 mils (150 microns) dft

\*unless otherwise noted below

Test Name	Test Method	Results
<b>Abrasion Resistance</b>	ASTM D4060, CS17 wheel, 1000 cycles, 1 kg load	84 mg loss
<b>Accelerated Weathering-QUV<sup>1</sup></b>	ASTM D4587, QUV-A, 12,000 hours	Passes
<b>Adhesion</b>	ASTM D4541	1,037 psi
<b>Corrosion Weathering<sup>1</sup></b>	ASTM D5894, 36 cycles, 12,000 hours	Rating 10 per ASTM D714 for blistering; Rating 9 per ASTM D610 per rusting
<b>Nuclear Decontamination</b>	ASTM D4256/ANSI N 5.12	99% Water Wash; 95% Overall
<b>Direct Impact Resistance<sup>2</sup></b>	ASTM D2794	120 in. lb.
<b>Dry Heat Resistance</b>	ASTM D2485	250°F (121°C)
<b>Exterior Durability</b>	1 year at 45° South	Excellent, chalks
<b>Flexibility</b>	ASTM D522, 180° bend, 3/4" mandrel	Passes
<b>Fuel Contribution</b>	NFPA 259	5764 btu/lb
<b>Humidity Resistance</b>	ASTM D4585, 6000 hours	No blistering, cracking, or rusting
<b>Immersion</b>	1 year fresh and salt water	Passes, no rusting, blistering, or loss of adhesion
<b>Radiation Tolerance</b>	ASTM D4082 / ANSI 5.12	Pass at 21 mils (525 microns)
<b>Pencil Hardness</b>	ASTM D3363	3H
<b>Salt Fog Resistance<sup>1</sup></b>	ASTM B117, 6,500 hours	Rating 10 per ASTM D610 for rusting; Rating 9 per ASTM D1654 for corrosion
<b>Slip Coefficient, Mill White*</b>	AISC Specification for Structural Joints Using ASTM A325 or ASTM A490 Bolts	Class A, 0.36
<b>Surface Burning</b>	ASTM E84/NFPA 255	Flame Spread Index 20; Smoke Development Index 35 (at 18 mils or 450 microns)
<b>Water Vapor Permeance</b>	ASTM D1653, Method B	1.16 US perms

Epoxy coatings may darken or discolor following application and curing.

\*Refer to Slip Certification document

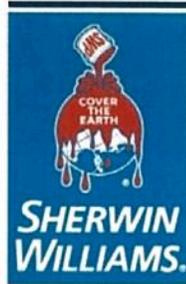
Footnotes:

<sup>1</sup> Zinc Clad II Plus Primer

<sup>2</sup> Two coats of Macropoxy 646

### DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.



# Protective & Marine Coatings

# MACROPOXY® 646 FAST CURE EPOXY

PART A B58-600  
PART B B58V600

SERIES  
HARDENER

## PRODUCT INFORMATION

4.53

### RECOMMENDED USES

- Marine applications
- Fabrication shops
- Pulp and paper mills
- Power plants
- Offshore platforms
- Nuclear Power Plants
- Nuclear fabrication shops
- Refineries
- Chemical plants
- Tank exteriors
- Water treatment plants
- DOE Nuclear Fuel Facilities
- DOE Nuclear Weapons Facilities
- Mill White and Black are acceptable for immersion use for salt water and fresh water, not acceptable for potable water
- Suitable for use in USDA inspected facilities
- Conforms to AWWA D102 OCS #5
- Conforms to MPI # 108
- This product meets specific design requirements for non-safety related nuclear plant applications in Level II, III and Balance of Plant, and DOE nuclear facilities\*.
- \* Nuclear qualifications are NRC license specific to the facility.
- Suitable for use in the Mining & Minerals Industry

### RECOMMENDED SYSTEMS

	Dry Film Thickness / ct.	
	Mils	(Microns)
<b>Immersion and atmospheric:</b>		
<b>Steel:</b>		
2 cts. Macropoxy 646	5.0-10.0	(125-250)
<b>Concrete/Masonry, smooth:</b>		
2 cts. Macropoxy 646	5.0-10.0	(125-250)
<b>Concrete Block:</b>		
1 ct. Kem Cati-Coat HS Epoxy Filler/Sealer <i>as needed to fill voids and provide a continuous substrate.</i>	10.0-20.0	(250-500)
2 cts. Macropoxy 646	5.0-10.0	(125-250)
<b>Atmospheric:</b>		
<b>Steel:</b>		
(Shop applied system, new construction, AWWA D102, can also be used at 3 mils / 75 microns minimum dft when used as an intermediate coat as part of a multi-coat system)		
1 ct. Macropoxy 646 Fast Cure Epoxy	3.0-6.0	(75-150)
1-2 cts. of recommended topcoat		
<b>Steel:</b>		
1 ct. Recoatable Epoxy Primer	4.0-6.0	(100-150)
2 cts. Macropoxy 646	5.0-10.0	(125-250)
<b>Steel:</b>		
1 ct. Macropoxy 646	5.0-10.0	(125-250)
1-2 cts. Acrolon 218 Polyurethane	3.0-6.0	(75-150)
or Hi-Solids Polyurethane	3.0-5.0	(75-125)
or SherThane 2K Urethane	2.0-4.0	(50-100)
or Hydrogloss	2.0-4.0	(50-100)
<b>Steel:</b>		
2 cts. Macropoxy 646	5.0-10.0	(125-250)
1-2 cts. Tile-Clad HS Epoxy	2.5-4.0	(63-100)
<b>Steel:</b>		
1 ct. Zinc Clad II Plus	2.0-4.0	(50-100)
1 ct. Macropoxy 646	5.0-10.0	(125-250)
1-2 cts. Acrolon 218 Polyurethane	3.0-6.0	(75-150)
<b>Steel:</b>		
1 ct. Zinc Clad III HS	3.0-5.0	(75-125)
or Zinc Clad IV	3.0-5.0	(75-125)
1 ct. Macropoxy 646	3.0-10.0	(75-250)
1-2 cts. Acrolon 218 Polyurethane	3.0-6.0	(75-150)
<b>Aluminum:</b>		
2 cts. Macropoxy 646	5.0-10.0	(125-250)
<b>Galvanizing:</b>		
2 cts. Macropoxy 646	5.0-10.0	(125-250)
<b>FIRETEX ONLY:</b>		
<b>Steel &amp; Galvanized Substrates being primed for FIRETEX only:</b>		
1 ct. Macropoxy 646	2.0-5.0	(50-125)

The systems listed above are representative of the product's use, other systems may be appropriate.

### SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Refer to product Application Bulletin for detailed surface preparation information.

Minimum recommended surface preparation:

Iron & Steel

Atmospheric: SSPC-SP2/3  
Immersion: SSPC-SP10/NACE 2, 2-3 mil (50-75 micron) profile  
Aluminum: SSPC-SP1  
Galvanizing: SSPC-SP1; See Surface Preparations section on page 3 for application of FIRETEX intumescent coating systems

Concrete & Masonry

Atmospheric: SSPC-SP13/NACE 6, or ICRI No. 310.2, CSP 1-3  
Immersion: SSPC-SP13/NACE 6-4.3.1 or 4.3.2, or ICRI No. 310.2, CSP 2-4

### Surface Preparation Standards

Condition of Surface	ISO 8501-1 BS7079:A1	Swedish Std. SIS055900	SSPC	NACE
White Metal	Sa 3	Sa 3	SP 5	1
Near White Metal	Sa 2.5	Sa 2.5	SP 10	2
Commercial Blast	Sa 2	Sa 2	SP 6	3
Brush-Off Blast	Sa 1	Sa 1	SP 7	4
Hand Tool Cleaning	C St 2	C St 2	SP 2	-
Pitted & Rusted	D St 2	D St 2	SP 2	-
Rusted	C St 3	C St 3	SP 3	-
Power Tool Cleaning	D St 3	D St 3	SP 3	-

### TINTING

Tint Part A with Maxitoners at 150% strength. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.

Tinting is not recommended for immersion service.

### APPLICATION CONDITIONS

Temperature: 35°F (1.7°C) minimum, 120°F (49°C) maximum (air and surface)  
40°F (4.5°C) minimum, 120°F (49°C) maximum (material)  
At least 5°F (2.8°C) above dew point  
Relative humidity: 85% maximum

Refer to product Application Bulletin for detailed application information.

### ORDERING INFORMATION

Packaging:  
Part A: 1 gallon (3.78L) and 5 gallon (18.9L) containers  
Part B: 1 gallon (3.78L) and 5 gallon (18.9L) containers

Weight: 12.9 ± 0.2 lb/gal ; 1.55 Kg/L  
mixed, may vary by color

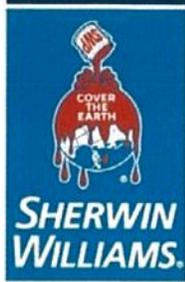
### SAFETY PRECAUTIONS

Refer to the MSDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

### WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.



# Protective & Marine Coatings

# MACROPOXY® 646 FAST CURE EPOXY

PART A B58-600 SERIES  
 PART B B58V600 HARDENER

Revised: December 2, 2013

## APPLICATION BULLETIN

4.53

### SURFACE PREPARATIONS

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

**Iron & Steel, Atmospheric Service:**

Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6/NACE 3, blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils / 50 microns). Prime any bare steel within 8 hours or before flash rusting occurs.

**Iron & Steel, Immersion Service:**

Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Near White Metal Blast Cleaning per SSPC-SP10/NACE 2. Blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2-3 mils / 50-75 microns). Remove all weld spatter and round all sharp edges by grinding. Prime any bare steel the same day as it is cleaned.

**Aluminum**

Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1.

**Galvanized Steel**

Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1 (recommended solvent is VM&P Naphtha). When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP7 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned.

In preparing galvanized steel substrates for the application of FIRE-TEX intumescent coating systems, Surface Preparation Specification SSPC-SP 16 must be followed obtaining a surface profile of minimum 1.5 mils (38 microns). Optimum surface profile will not exceed 2.0 mils (50 microns).

**Concrete and Masonry**

For surface preparation, refer to SSPC-SP13/NACE 6, or ICRI No. 310.2, CSP 1-3. Surfaces should be thoroughly clean and dry. Concrete and mortar must be cured at least 28 days @ 75°F (24°C). Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement and hardeners. Fill bug holes, air pockets and other voids with Steel-Seam FT910.

**Concrete, Immersion Service:**

For surface preparation, refer to SSPC-SP13/NACE 6, Section 4.3.1 or 1.3.2 or ICRI No. 310.2, CSP 2-4.

**Follow the standard methods listed below when applicable:**

- ASTM D4258 Standard Practice for Cleaning Concrete.
- ASTM D4259 Standard Practice for Abrading Concrete.
- ASTM D4260 Standard Practice for Etching Concrete.
- ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete.

SSPC-SP 13/Nace 6 Surface Preparation of Concrete.

ICRI No. 310.2 Concrete Surface Preparation.

**Previously Painted Surfaces**

If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, or if this product attacks the previous finish, removal of the previous coating may be necessary. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above.

**Surface Preparation Standards**

Condition of Surface	ISO 8501-1 BS7079:A1	Swedish Std. SIS055900	SSPC	NACE
White Metal	Sa 3	Sa 3	SP 5	1
Near White Metal	Sa 2.5	Sa 2.5	SP 10	2
Commercial Blast	Sa 2	Sa 2	SP 6	3
Brush-Off Blast	Sa 1	Sa 1	SP 7	4
Hand Tool Cleaning	OC St 2	OC St 2	SP 2	-
Pitted & Rusted	D St 2	D St 2	SP 2	-
Rusted	C St 3	C St 3	SP 3	-
Power Tool Cleaning	Pitted & Rusted D St 3	D St 3	SP 3	-

### APPLICATION CONDITIONS

Temperature: 35°F (1.7°C) minimum, 120°F (49°C) maximum (air and surface)  
 40°F (4.5°C) minimum, 120°F (49°C) maximum (material)  
 At least 5°F (2.8°C) above dew point

Relative humidity: 85% maximum

### APPLICATION EQUIPMENT

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compliant with existing VOC regulations and compatible with the existing environmental and application conditions.

Reducer/Clean Up .....Reducer R7K15  
 In California.....Reducer R7K111

**Airless Spray**

Pump.....30:1  
 Pressure.....2800 - 3000 psi  
 Hose.....1/4" ID  
 Tip .....0.17" - .023"  
 Filter.....60 mesh  
 Reduction.....As needed up to 10% by volume

**Conventional Spray**

Gun .....DeVilbiss MBC-510  
 Fluid Tip .....E  
 Air Nozzle.....704  
 Atomization Pressure....60-65 psi  
 Fluid Pressure.....10-20 psi  
 Reduction.....As needed up to 10% by volume  
 Requires oil and moisture separators

**Brush**

Brush.....Nylon/Polyester or Natural Bristle  
 Reduction.....Not recommended

**Roller**

Cover .....3/8" woven with solvent resistant core  
 Reduction.....Not recommended

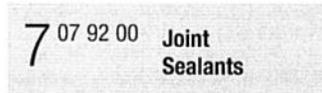
**Plural Component Spray...Acceptable**

Refer to April 2010 Technical Bulletin - "Application Guidelines for Macropoxy 646 & Recoatable Epoxy Primer Utilizing Plural Component Equipment"

If specific application equipment is not listed above, equivalent equipment may be substituted.



## PRODUCT DATA



## SONOLASTIC® ULTRA

One-component, aliphatic, nonsag, elastomeric, polyurethane security sealant

### Description

Ultra is a one-component, moisture-curing, aliphatic, nonsag, polyurethane sealant for security and institutional uses requiring elasticity and superior color integrity. Ultra is capable of withstanding  $\pm 25\%$  movement in joints, yet has a high Shore A for security applications.

### Yield

See page 3 for charts.

### Packaging

300 ml (10.1 fl oz) cartridges, 30 per carton  
20 U.S. fl oz (590 ml) ProPaks, 20 per carton

### Color

White, limestone, and aluminum gray. Refer to the Sonneborn® Color Portfolio.

### Shelf Life

Cartridges and ProPaks:  
1 year when properly stored.

### Storage

Store in original, unopened containers away from heat and direct sunshine. Storing at elevated temperatures will reduce shelf life.

### Features

- Aliphatic polyurethane technology
- Pick resistant
- High UV resistance
- No surface tackiness
- Medium modulus
- Superior gunability and workability
- Movement capability  $\pm 25\%$
- Suitable for water immersion

### Benefits

- Nonstaining, no yellowing, no chalking
- Excellent for security applications, schools, and other public buildings
- Experiences no discoloration from sunlight
- No dirt pick up, self-cleaning surface
- Provides superior puncture and abrasion resistance
- Tools easily
- Expands and contracts with joint movement
- Documented performance in wet areas

### Where to Use

#### APPLICATION

- Expansion joints
- Curtain walls
- Panel walls
- Precast units
- Aluminum, vinyl, and wood window frames
- Prisons
- Schools
- Stadiums
- Parking decks
- Plazas
- Store fronts
- Wastewater treatment plants
- Dams
- Spillways and storm drains
- Wetwells and manholes

#### LOCATION

- Horizontal and vertical
- Interior and exterior
- Immersed in water

#### SUBSTRATE

- Concrete, masonry
- Granite, marble
- Brick

### How to Apply

#### Joint Preparation

- The number of joints and the joint width should be designed for a maximum of  $\pm 25\%$  movement.
- The depth of the sealant should be  $1/2$  the width of the joint. The maximum depth is  $1/2$ " (13 mm) and the minimum is  $1/4$ " (6 mm). Maximum recommended joint width is  $1-1/2$ " (38mm). Refer to Table 1.

TABLE 1

#### Joint Width and Sealant Depth

JOINT WIDTH, IN (MM)	SEALANT DEPTH AT MIDPOINT, IN (MM)
1/4 – 1/2 (6 – 13)	1/4 (6)
1/2 – 3/4 (13 – 19)	1/4 – 3/8 (6 – 10)
3/4 – 1 (19 – 25)	3/8 – 1/2 (10 – 13)
1 – 1-1/2 (25 – 38)	1/2 (13)

**Sonneborn®**

SONNEBORN® PRODUCT DATA  
ULTRA

## Technical Data

### Composition

Sonolastic® Ultra is a one-component, moisture-curing aliphatic polyurethane.

### Compliances

- ASTM C 920, Type S, Grade NS, Class 25, Use NT, T, M, A, G\*, and I
- Federal Specification TT-S-00230C, Type II, Class A, when primed
- Corps of Engineers CRD-C-541, Type II, Class A
- USDA compliant for use in meat and poultry areas
- Canadian approval for use in areas that handle food
- SWR institute validated

\* Ultra not recommended for application on glass



### Typical Properties

PROPERTY	VALUE
Service temperature range, ° F (° C)	-40 to 180 (-40 to 82)
Shrinkage	None

### Test Data

PROPERTY	RESULTS	TEST METHODS
Movement capability, %	±25	ASTM C 719
100 % modulus, psi (MPa)	160 (1.1)	ASTM D 412
Tensile strength, psi (MPa)	600 (4.1)	ASTM D 412
Rheological, (sag in vertical displacement), at 120° F (49° C)	No sag	ASTM C 639
Ultimate elongation at break, %	600	ASTM D 412
Tear strength, pit	100	ASTM D 1004
Extrudability, 3 seconds	Passes	ASTM C 603
Hardness, Shore A, at standard conditions	50 ±5	ASTM C 661
Weight loss, after heat aging, %	9.2	ASTM C 792
Cracking and chalking, after heat aging	None	ASTM C 792
Tack-free time, hrs	< 72	ASTM C 679
Stain and color change	Passes	ASTM C 510
Bond durability, on glass, aluminum, and concrete, ±25% movement	Passes	ASTM C 719
Adhesion in peel*, pli		ASTM C 794
Primed dry		
Glass	37 CF**	
Aluminum	34 CF**	
Concrete	43 CF**	
Water immersion, 122° F (50° C)	Passes 10 weeks with cycling	ASTM C 1247

\* Primed for water immersion dictated by ASTM C 920. Concrete and aluminum primed with 733; glass primed with 766.

\*\* Cohesive failure

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

3. In deep joints, the sealant depth must be controlled by Closed-Cell Backer-Rod or Soft Backer-Rod. Where the joint depth does not permit the use of backer-rod, a bondbreaker (polyethylene strip) must be used to prevent three-sided adhesion.

4. To maintain the recommended sealant depth, install backer-rod by compressing and rolling it into the joint channel without stretching it lengthwise. Closed-Cell Backer-Rod should be about 1/8" (3 mm) larger in diameter than the width of the joint to allow for compression. Soft Backer-Rod should be approximately 25% larger in diameter than the joint width. The sealant does not adhere to it, and no separate bondbreaker is required. Do not prime or puncture the backer-rod.

### Surface Preparation

Surfaces must be structurally sound, fully cured, dry, clean, free of dirt, moisture, loose particles, oil, grease, asphalt, tar, paint, wax, rust, waterproofing or curing and parting compounds, and membrane materials.

#### CONCRETE, STONE, AND OTHER MASONRY

Clean by grinding, sandblasting, or wire brushing to expose a sound surface free of contamination and laitance.

#### WOOD

New and weathered wood must be clean and sound. Scrape away loose paint to bare wood. Any coating that cannot be removed must be tested to verify adhesion of sealant or to determine an appropriate primer.

#### METAL

Remove scale, rust, and coatings from metal to expose a bright white surface. Remove protective coatings as well as any chemical residue or film. Aluminum window frames are frequently coated with a clear lacquer that must be removed before the application of Ultra. Any coating that cannot be removed must be tested to verify adhesion of sealant or to determine an appropriate primer. Remove any other protective coatings or finishes that could interfere with adhesion.

**Yield**

LINEAR FEET PER GALLON\*

JOINT DEPTH (INCHES)	JOINT WIDTH (INCHES)						
	1/4	3/8	1/2	5/8	3/4	7/8	1
1/4	308	205	154	122	–	–	–
3/8	–	–	–	82	68	58	51
1/2	–	–	–	–	51	44	38

\*One gallon equals approximately 12 cartridges or 6 ProPaks

METERS PER LITER

JOINT DEPTH (MM)	JOINT WIDTH (MM)						
	6	10	13	16	19	22	25
6	24.8	16.5	12.4	9.8	–	–	–
10	–	–	–	6.6	5.5	4.7	4.1
13	–	–	–	–	4.1	3.5	3.0

**Priming**

1. Special circumstances or substrates may require a primer. It is the user's responsibility to check the adhesion of the cured sealant on typical test joints at the project site before and during application. Refer to product data sheet on Primer 733 or 766 (Form No. 1017962) and consult Technical Service for additional information.
2. For immersion applications, Primer 733 must be used.
3. Apply primer full strength with a brush or clean cloth. A light, uniform coating is sufficient for most surfaces. Porous surfaces require more primer; however, do not overapply.
4. Allow primer to dry before applying Ultra. Depending on temperature and humidity, primer will be tack free in 15 – 120 minutes. Priming and sealing must be done on the same work day.

**Application**

1. Ultra comes ready to use. Apply by professional caulking gun. Do not open cartridges or sausages until preparatory work has been completed. In cool or cold weather, store at room temperature for at least 24 hours before using.
2. Fill joints from the deepest point to the surface by holding a properly sized nozzle against the back of the joint.
3. Dry tooling is recommended. DO NOT use soapy water or solvents when tooling. Tooling results in the correct bead shape, a neat joint, and maximum adhesion.

**Clean Up**

1. Immediately after use, clean equipment with Reducer 990 or xylene. Use proper precautions when handling solvents.
2. Remove cured sealant by cutting with a sharp-edged tool.
3. Remove thin films by abrading.

**Curing Time**

The cure of Ultra varies with temperature and humidity. The following times assume 75° F (24° C), 50% relative humidity, and a joint 1/2" width by 1/4" depth (13 by 6 mm).

Skins: overnight or within 24 hours

Functional: within 3 days

Full cure: approximately 1 week

Immersion service: 21 days

**For Best Performance**

- Do not allow uncured Ultra to come into contact with alcohol-based materials or solvents.
- Do not apply polyurethane sealants in the vicinity of uncured silicone sealants or uncured Sonolastic® 150 or 150 Tint Base.
- Ultra should not come in contact with oil-based caulking, silicone sealants, polysulfides, or fillers impregnated with oil, asphalt, or tar.
- All horizontal applications require the use of Primer 733.
- Protect unopened containers from heat and direct sunshine.
- In cool or cold weather, store container at room temperature for at least 24 hours before using.
- When Ultra is to be used in areas subject to water immersion, cure for 21 days at 70° F (25° C) and 50% relative humidity. Allow longer cure time at lower temperatures and humidity.
- Do not use in swimming pools or other submerged conditions where the sealant will be exposed to strong oxidizers. Avoid submerged conditions where water temperatures will exceed 120° F (50° C).
- Lower temperatures will extend curing times.
- Do not apply over freshly treated wood; treated wood must have weathered for at least 6 months.

SONNEBORN® PRODUCT DATA  
ULTRA

- Pursuant to accepted industry standards and practices, using rigid paints and/or coatings over flexible sealants can result in a loss of adhesion of the applied paint and/or coating, due to the potential movement of the sealant. However, should painting and/or coating be desired it is required that the applicator of the paint and/or coating conduct on-site testing to determine compatibility and adhesion.
- Substrates such as copper, stainless, and galvanized typically require the use of a primer; Primer 733 or 766 is acceptable. For Kynar coating use Primer 733 only. An adhesion test is recommended for any other questionable substrate.
- Ultra can be applied below freezing temperatures only if substrates are completely dry, free of moisture, and clean. Contact Technical Service for more information.
- Do not use as a cap, heel, or toe bead for exterior glazing. Refer to the Sonolastic® 150 product data sheet (Form No. 1026309).
- Make certain the most current version of this data guide is being used; call Customer Service (1-800-433-9517) to verify the most current version.
- Proper application is the responsibility of the user. Field visits by BASF personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

## Health and Safety

ULTRA

### Warning

Ultra contains Stoddard solvent, methylene bis (4-cyclohexylisocyanate) and crystalline quartz silica.

### Risks

May cause skin, eye and respiratory irritation. May cause dermatitis and allergic responses. Potential skin and/or respiratory sensitizer. Ingestion may cause irritation. Reports associate repeated or prolonged occupational overexposure to solvents with permanent brain, nervous system, liver and kidney damage. INTENTIONAL MISUSE BY DELIBERATELY INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

### Precautions

KEEP OUT OF THE REACH OF CHILDREN. Use only with adequate ventilation. Keep container closed. Prevent contact with skin, eyes and clothing. Wash thoroughly after handling. Use impervious gloves, eye protection and if the TLV is exceeded or used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable federal, state and local regulations. All warnings must be observed until container is commercially cleaned or reconditioned.

## First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes. SEEK IMMEDIATE MEDICAL ATTENTION. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Remove and wash contaminated clothing. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, or if swallowed, SEEK IMMEDIATE MEDICAL ATTENTION.

Refer to Material Safety Data Sheet (MSDS) for further information.

## Proposition 65

This product contains materials which are listed by the state of California as known to cause cancer, birth defects, or other reproductive harm.

## VOC Content

118 g/L or 099 lbs/gal, less water and exempt solvents.

**For medical emergencies only,  
call ChemTrec (1-800-424-9300).**

## BASF Construction Chemicals, LLC – Building Systems

889 Valley Park Drive  
Shakopee, MN, 55379

www.BuildingSystems.BASF.com

**Customer Service** 800-433-9517  
**Technical Service** 800-243-6739



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## PRODUCT DATA SHEET

No.11024

APRIL 2002

# *Thompson's* WATER SEAL ULTRA

**Thompson's Water Seal Ultra is a unique, one coat application, high performance, transparent water repellent, designed to penetrate exterior brick and stonework, to provide a barrier against rain damage.**

### INTRODUCTION

Thompson's Water Seal Ultra is a high performance, transparent, low viscosity water repellent, designed to penetrate exterior stone and brickwork above ground level. Only one coat of Thompson's Water Seal Ultra is required for complete protection. Thompson's Water Seal Ultra is specially formulated to give excellent performance over an extended life span. Thompson's Water Seal Ultra maintains its beading up characteristics for up to twice as long as conventional waterproofer, and is non-staining. Refer to 'IMPORTANT NOTES'.

Thompson's Water Seal Ultra provides maximum protection from water damage to all types of exterior brickwork and stone. Thompson's Water Seal Ultra's clear water repellent barrier helps prevent break up and reduces efflorescence.

### COMPOSITION

Thompson's Water Seal Ultra is based on a unique, water based, alkyl polysiloxane resin, formulated to provide optimum penetration of the substrate.

### PROPERTIES

Appearance - Milky; clears immediately on application.  
Viscosity - Very low to optimise penetration.  
Odour - Mild, pleasant odour.  
VOC Content- Low 0.30%-7.99%.

### FIELDS OF APPLICATION

Thompson's Water Seal Ultra is recommended for use on all types of exterior brickwork and stone, which is above ground level and free from cracks exceeding 0.15 mm width.

### APPLICATION PROCEDURE

Thompson's Water Seal Ultra should be applied to clean surfaces which are free from moulds, fungal coatings and all other coatings which may interfere with the penetration of Thompson's Water Seal Ultra. Remove moulds and fungal growths by brushing with a stiff bristle brush. Eradicate any fungal or mould growth by treating affected areas with dilute household bleach solution (1 part bleach to 4 parts water) preferable applied in dry weather. Leave for 48 hours and rinse area thoroughly with water, and allow to dry.

Thompson's Water Seal Ultra is not recommended for use over painted areas. Carry out any repairs and fill any surface cracks prior to treatment. Thompson's Water Seal Ultra can be applied to dry and damp (but not saturated) areas. Ensure that the whole wall is treated, not just isolated areas.

### Application

Shake the can vigorously before use. Apply using brush or roller in one continuous operation. On vertical surfaces, working from the bottom up, divide the area into approximately 1 metre sections. Each section should then be fully saturated. Best results are achieved by brushing/rolling in all directions, paying particular attention to mortar lines. Rework the section to ensure complete saturation. Finish each section before moving onto the next. On horizontal surfaces saturate well. After 15 minutes remove puddles by redistributing to dry areas.

Use at full strength. Do not dilute.

### COVERAGE

Thompson's Water Seal Ultra will cover approximately 4 m<sup>2</sup>/litre.

Coverage will vary depending on the texture and porosity of the surface to be treated.

### DRYING TIME

Thompson's Water Seal Ultra is touch dry in approximately 2 hours.

Drying time will vary depending on the absorbency of the surface, temperature and relative humidity.

### CLEANING OF TOOLS

Remove as much product as possible from equipment before washing.

All equipment should be cleaned immediately after use with detergent and water.

### MAINTENANCE

To maintain water repellency periodic retreatment will be required. The frequency of retreatment will vary with the type, nature and exposure of treated surfaces, as well as prevailing weather conditions.

### REPAIRS

Damaged areas may be re-waterproofed by local applications of Thompson's Water Seal Ultra. Brush down surfaces before application of Thompson's Water Seal Ultra.

### IMPORTANT NOTES

Do not apply if air or surface temperatures are below 10°C.

Do not apply in wet weather or if rain appears likely before the material has dried.

Thompson's Water Seal Ultra has a slightly milky appearance in the can but clears quickly upon application.

Water beading may not be evident immediately after drying. Beading will become apparent after wet edge promoters present in the surface of the seal are suitably weathered.

Thompson's Water Seal Ultra is not recommended for use on painted surfaces.

Protect adjacent areas such as decorative coatings, plastic, metal and glass from overspray. Any overspray should be removed by washing with warm water and detergent before it is dry.

Avoid contact with any vegetation.

SOME SUBSTRATES MAY DARKEN, DISCOLOUR OR CHANGE IN APPEARANCE WHEN TREATED. ALWAYS TEST ON A SMALL INCONSPICUOUS, BUT REPRESENTATIVE, AREA PRIOR TO COATING THE WHOLE SURFACE.

Do not use detergents to clean down the substrate to be waterproofed.

Do not use on wood, asphalt, synthetic fibres, plastics or natural rubber.

Ensure adequate ventilation when applying Thompson's Water Seal Ultra.

FOR EXTERIOR USE ONLY. Do not use on ponds, roofs, garden retaining walls, below ground and damp proof membrane or where water pressure is likely.

#### STORAGE

Store in a cool, dry, well ventilated place away from heat and sources of ignition. Carefully reseal partly used containers.

To avoid risk of spillage always store and transport in a secure and upright position.

The shelf life of the product in airtight containers is at least two years.

Protect from frost. Store above 5°C.

#### HEALTH AND SAFETY

Observe and follow all warnings and instructions for use shown on the pack.

Avoid contact with skin and eyes.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After contact with skin, wash immediately with plenty of soap and water or a proprietary skin cleanser.

Ensure good ventilation when applying and during drying.

Keep out of reach of children. Specific health and safety data sheets are available on request.

#### FLAMMABILITY

Flash point above 61 °C.  
Non-flammable product.

#### SUPPLY

Obtainable from DIY outlets, paint suppliers and builders' merchants.

#### SIZES

1 litre, 2.5 litre and 5 litre.

#### DISPOSAL

Some local authorities have special facilities for the disposal or dispensing of waste coatings.

Do not empty product into drains or watercourses.

#### LIABILITY

Whilst these specifications are based on expert technical knowledge and practical experience, we cannot assume responsibility for any work as the ultimate result depends on factors beyond our direct control. Standard codes of painting practice should be followed.

#### INFORMATION AND SERVICE

Our Technical Services Department will be pleased to offer specific guidance or provide any further information you may require.

#### DATA SHEETS

Data sheets on other Ronseal products are available on request from our Technical Services Department.

Ronseal has been registered to BS EN ISO 9000 1994 (Registered Firm No. FM 1669/1).

Ronseal Ltd. operate an Environmental Management System that complies with the requirements of BS 7750:1994, Certificate No. EMS 35924.

Ronseal Ltd. has achieved Investors in People certification, (certificate number 59586).

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APRIL, 2002  
ISSUE 4



# SOLID PHENOLIC COMPACT

BY DURCON®

Counter Tops

Table Tops

Wall Cladding

Shelving

Partitions

for

R&D

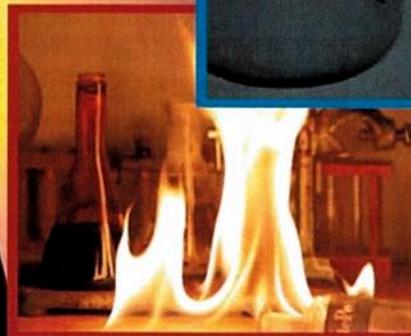
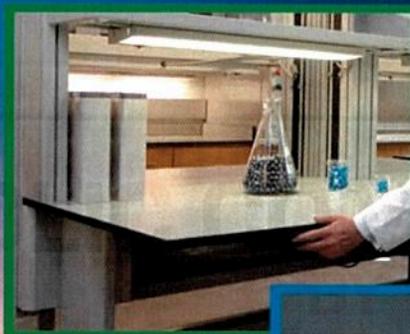
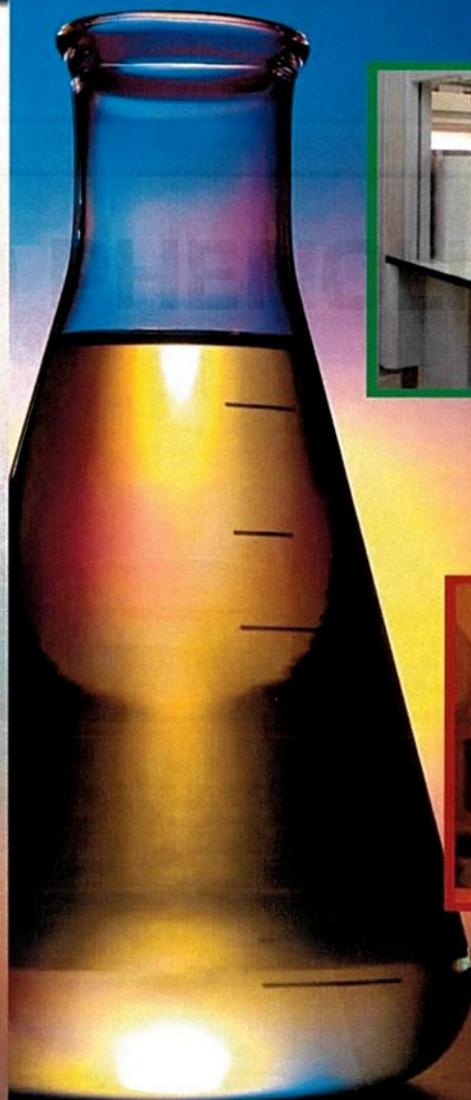
Science

Education

Healthcare

Forensics

Government



**Solid Phenolic Compact (SPC)** by Durcon is the newest work surface solution for high impact areas such as laboratories, production and healthcare facilities. Engineered for horizontal or vertical applications, these durable self-supporting surfaces are available in three grades and hundreds of color options. Best yet, SPC surfaces are manufactured in America and backed by Durcon Incorporated, the global leader in high quality resin surfacing solutions.



[WWW.DURCON.COM](http://WWW.DURCON.COM)

# SOLID PHENOLIC COMPACT BY DURCON®

Solid Phenolic Compact (SPC) worksurfaces by Durcon® are the functional and decorative surfacing options for a wide variety of horizontal and vertical applications. Plus, SPC by Durcon has FSC availability, is Greenguard Gold certified, LEED friendly and proudly manufactured in America. Three grades are now available, each based upon specific performance solutions.

## THREE SPC VARIETIES



### STANDARD GRADE SPC

Standard Grade SPC is the "rhino tough" surfacing solution designed for a multitude of horizontal and vertical applications. With multiple thicknesses available plus standard, specialty and custom color and finish options, Standard Grade SPC is the all-around surface that meets almost any requirement.



### CHEMICAL RESISTANT SPC

Chemical Resistant SPC infuses our Standard Grade material with an additional barrier (both top and bottom) that resists a variety of acids, solvents, general reagents and cleaning agents.



### FIRE RATED SPC

Fire Rated SPC is thick Standard Grade SPC with fire retardant properties that are suitable for applications where fire ratings of A/1 are required by building codes.

## APPLICATIONS

- Light-duty Lab Worksurfaces
- Shelving & Curbs
- Healthcare Doctor's Offices
- Wall Cladding
- Technical Assembly Stations
- Cabinet Components
- Partitions

- Laboratory Worksurfaces
- Reagent Shelving
- Prep Room Worksurfaces
- Science Table Tops
- Mobile Carts

- Elevator Cabs
- Stairwells
- Hospitals
- Airports
- Marine / Aerospace

## EXPANDED COLOR OFFERING

All Durcon SPC surfaces are available in traditional laboratory colors and many previously unavailable neutral colors and patterns. Plus, all surfaces are double-sided with the identical finish on the top and bottom sides. This feature makes the visible bottom of shelving more attractive and can increase the number of usable applications and overall lifespan of the surface.

- Three Traditional Colors: Black, Fashion Gray and Designer White (1" and 3/4" thick stock inventoried and ready for fabrication).
- Twelve additional Standard Colors made to order including Atlantis Blue, Hunter Green and Pepperdust Beige (typically available in three weeks or our published lead times, whichever is longer).
- Over 100 additional varieties including wood and textures (contact a Durcon sales representative for details).

## THICKNESS OPTIONS - STANDARD & CUSTOM

All three SPC varieties are currently available in standard 1" [25 mm], 3/4" [19 mm], 1/2" [13 mm], and 1/4" [6mm] thicknesses. We can also provide custom thickness surfacing solutions to meet virtually any specified design criteria.

## ORDER TODAY!

Solid Phenolic Compact by Durcon surfaces are available now. Please submit your requirements to us for a rapid turnaround. Quote requests and orders are being processed today.

## In-stock Colors!



## Additional Colors



*Color swatches are provided for general reference only. Please obtain a sample chip to verify color prior to ordering.*

## CERTIFICATIONS & AFFILIATIONS



## SPC Samples

Submit your sample requests through Durcon's website: [WWW.DURCON.COM](http://WWW.DURCON.COM)

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STAINLESS STEEL  
**WORK TABLES**  
SPEC-LINE Series - 10" Backsplash - Undershef Style



**Item #:** \_\_\_\_\_ **Qty #:** \_\_\_\_\_  
**Model #:** \_\_\_\_\_  
**Project #:** \_\_\_\_\_

**FEATURES:**

Top is furnished with a 2" x 1" square die embossed NO-DRIP countertop edge with a 1/2" return on 3 sides and a 10" splash of with a 2" return on the rear side.

24" wide tables supplied with TWO hat channels stud welded to reinforce and maintain a level working surface. 30" and 36" wide tables supplied with THREE hat channels.

Pre-engineered welded angle adapters insure ease of future drawer installation.

Aluminum die cast "leg-to-shelf" clamp secures shelf to leg eliminating unsightly nuts and bolts. Undershef is adjustable.

**CONSTRUCTION:**

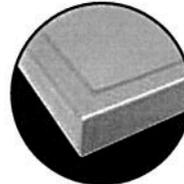
All TIG welded. Exposed weld areas polished to match adjacent surfaces.

Entire top mechanically polished to a satin finish. Countertop edge polished to a MIRROR finish.

Top is sound deadened.

Roll formed embossed galvanized hat channels are secured to top by means of structural adhesive and weld studs.

Gussets welded to support hat sections.



No-Drip DIE FORMED EDGE offers the Ultimate in Design & Function.



Featuring as Standard: **"THE PROVEN"** ORIGINAL ADVANCE TABCO **Adjustable Undershef with Die Cast Leg Clamp**

**MATERIAL:**

**VKS-SERIES: Stainless Steel Legs & Undershef**

**TOP:** 14 gauge stainless steel type "304" series.

**SHELF:** 18 gauge stainless steel.

**LEGS:** 1 5/8" diameter tubular stainless steel type "304" series.  
 1" adjustable **stainless steel** bullet feet.  
 Stainless steel gussets.

**VKG-SERIES: Galvanized Legs & Undershef**

**TOP:** 14 gauge stainless steel type "304" series.

**SHELF:** 18 gauge galvanized steel.

**LEGS:** 1 5/8" diameter tubular galvanized steel.  
 1" adjustable plastic bullet feet.  
 Galvanized steel gussets.

**VKS-Series:**  
Stainless Steel Legs & Undershef

L	24" Wide	30" Wide	36" Wide
30"	VKS-240	VKS-300	
24"	VKS-242	VKS-302	
36"	VKS-243	VKS-303	VKS-363
48"	VKS-244	VKS-304	VKS-364
60"	VKS-245	VKS-305	VKS-365
72"	VKS-246	VKS-306	VKS-366
84"	VKS-247	VKS-307	VKS-367
96"	VKS-248	VKS-308	VKS-368
108"	VKS-249	VKS-309	VKS-369
120"	VKS-2410	VKS-3010	VKS-3610
132"	VKS-2411	VKS-3011	VKS-3611
144"	VKS-2412	VKS-3012	VKS-3612

**VKG-Series:**  
Galvanized Steel Legs & Undershef

L	24" Wide	30" Wide	36" Wide
30"	VKG-240	VKG-300	
24"	VKG-242	VKG-302	
36"	VKG-243	VKG-303	VKG-363
48"	VKG-244	VKG-304	VKG-364
60"	VKG-245	VKG-305	VKG-365
72"	VKG-246	VKG-306	VKG-366
84"	VKG-247	VKG-307	VKG-367
96"	VKG-248	VKG-308	VKG-368
108"	VKG-249	VKG-309	VKG-369
120"	VKG-2410	VKG-3010	VKG-3610
132"	VKG-2411	VKG-3011	VKG-3611
144"	VKG-2412	VKG-3012	VKG-3612



**Create Your Own Efficient Workstation with the Available Standard Accessories (Visit Section K)**



**Customer Service Available To Assist You 1-800-645-3166 8:30 am - 8:00 pm E.S.T.**

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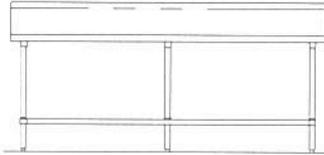
# DETAILS and SPECIFICATIONS

ALL DIMENSIONS ARE TYPICAL TOL ± .500"

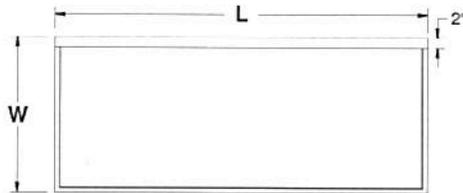
All Units Shipped Unassembled (KD) for Reduced Shipping Costs.

## VKS & VKG Series Undershelf Style 10" Backsplash

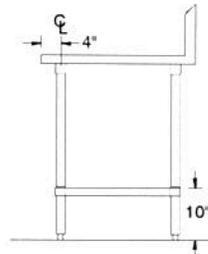
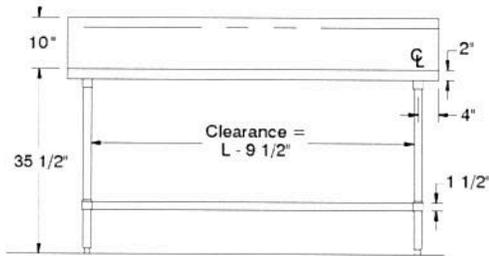
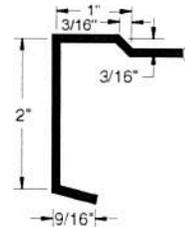
Finished size of undershelf = Length minus 5 3/4"  
Width minus 5 3/4"



Units 8ft. and larger are furnished with six (6) legs



COUNTERTOP  
EDGE  
DETAIL



### VKS-Series: Stainless Steel Legs & Undershelf

L	24" Wide	Wt.	30" Wide	Wt.	36" Wide	Wt.
30"	VKS-240	55 lbs.	VKS-300	70 lbs.		
24"	VKS-242	50 lbs.	VKS-302	56 lbs.		
36"	VKS-243	66 lbs.	VKS-303	77 lbs.	VKS-363	92 lbs.
48"	VKS-244	81 lbs.	VKS-304	92 lbs.	VKS-364	101 lbs.
60"	VKS-245	95 lbs.	VKS-305	111 lbs.	VKS-365	121 lbs.
72"	VKS-246	113 lbs.	VKS-306	129 lbs.	VKS-366	142 lbs.
84"	VKS-247	135 lbs.	VKS-307	153 lbs.	VKS-367	169 lbs.
96"	VKS-248	150 lbs.	VKS-308	171 lbs.	VKS-368	189 lbs.
108"	VKS-249	165 lbs.	VKS-309	289 lbs.	VKS-369	260 lbs.
120"	VKS-2410	268 lbs.	VKS-3010	294 lbs.	VKS-3610	315 lbs.
132"	VKS-2411	301 lbs.	VKS-3011	331 lbs.	VKS-3611	358 lbs.
144"	VKS-2412	316 lbs.	VKS-3012	346 lbs.	VKS-3612	373 lbs.

### VKG-Series: Galvanized Steel Legs & Undershelf

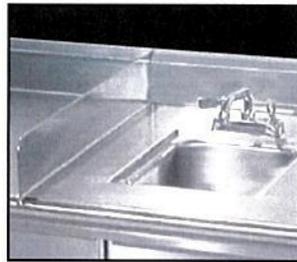
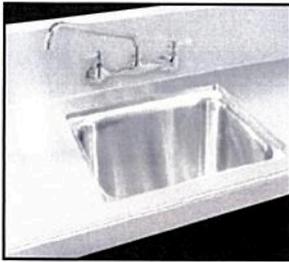
L	24" Wide	Wt.	30" Wide	Wt.	36" Wide	Wt.
30"	VKG-240	55 lbs.	VKG-300	70 lbs.		
24"	VKG-242	50 lbs.	VKG-302	56 lbs.		
36"	VKG-243	66 lbs.	VKG-303	77 lbs.	VKG-363	92 lbs.
48"	VKG-244	81 lbs.	VKG-304	92 lbs.	VKG-364	101 lbs.
60"	VKG-245	95 lbs.	VKG-305	111 lbs.	VKG-365	121 lbs.
72"	VKG-246	113 lbs.	VKG-306	129 lbs.	VKG-366	142 lbs.
84"	VKG-247	135 lbs.	VKG-307	153 lbs.	VKG-367	169 lbs.
96"	VKG-248	150 lbs.	VKG-308	171 lbs.	VKG-368	189 lbs.
108"	VKG-249	165 lbs.	VKG-309	195 lbs.	VKG-369	260 lbs.
120"	VKG-2410	268 lbs.	VKG-3010	294 lbs.	VKG-3610	315 lbs.
132"	VKG-2411	301 lbs.	VKG-3011	331 lbs.	VKG-3611	358 lbs.
144"	VKG-2412	316 lbs.	VKG-3012	346 lbs.	VKG-3612	373 lbs.





# MULTIPLE SINK SIZES & Accessories

(welded into Table Top)



**VKS Series**  
**COUNTERTOP TABLES** with  
 Splash are furnished  
 with **K-1** Splash Mounted  
 Faucet with 12" Spout  
 as standard

**K-50 Deck Mounted Faucet**  
 is Standard on tables with  
 a Single Bowl

**TA-56 - 5" NSF Partition**

Single sink bowl come with **K-50** Swing Spout  
 Faucet & **K-6** Basket Drain unless noted.

Double sink bowls come with **K-53** Swing Spout  
 Faucet & **K-6** Basket Drain unless noted.



Single Bowl	Double Bowl	A	B	
** TA-11A	** TA-11A-2	16" x 20" x 8"	(406mm x 508mm x 203mm)	
** TA-11B	** TA-11B-2	16" x 20" x 12"	(406mm x 508mm x 305mm)	
* TA-11C	* TA-11C-2	20" x 20" x 8"	(508mm x 508mm x 203mm)	
* TA-11D	* TA-11D-2	20" x 20" x 12"	(508mm x 508mm x 305mm)	
* TA-11E	* TA-11E-2	24" x 24" x 12"	(610mm x 610mm x 305mm)	
TA-11F	† TA-11F-2	10" x 14" x 10"	(254mm x 356mm x 254mm)	
* TA-11G	* TA-11G-2	28" x 20" x 12"	(508mm x 711mm x 305mm)	
TA-11J	TA-11J-2	14" x 16" x 12"	(356mm x 406mm x 305mm)	
TA-11L	TA-11L-2	18" x 24" x 12"	(457mm x 610mm x 305mm)	
TA-11N	TA-11N-2	18" x 18" x 14"	(457mm x 457mm x 355mm)	

\* Only installed in tables 30" or wider  
 \*\* Bowls are turned in 24" Wide Tables (20" x 16" x 8")  
 † K-50 Faucet Standard (Double Bowl)



**TA-11K**  
**DROP-IN**  
**FILLER STATION**  
 (Factory Install Only)

**TA-11KM**  
**ICE & FILLER STATION**  
 (Factory Install Only)

Includes Cover

Item #: \_\_\_\_\_ Qty #: \_\_\_\_\_

Model #: \_\_\_\_\_

Project #: \_\_\_\_\_

## FAUCETS & ACCESSORIES

- K-2A Poly-Vance Sink Cover 10"x14"
- K-2B Poly-Vance Sink Cover 14"x16"
- K-2C Poly-Vance Sink Cover 16"x20"
- K-2D Poly-Vance Sink Cover 18"x24"
- K-2E Poly-Vance Sink Cover 20"x20"
- K-2F Poly-Vance Sink Cover 24"x24"
- K-4 Lever Drain Bracket
- K-5 Lever Drain
- K-12 Deck Mounted Soap Dispenser
- K-15 Lever Drain with Overflow
- K-50 Deck Mounted 4" O.C. 8" Swing Spout Faucet
- K-500MIT Omit Swing Spout Faucet
- K-52 Deck Mounted 4" O.C. 3-1/2" Gooseneck Faucet
- K-53 Deck Mounted 4" O.C. 12" Gooseneck Faucet
- K-520MIT Omit Swing Spout Faucet
- K-55 8 1/2" Spout 4" O.C. Deck Mounted Gooseneck Faucet
- K-60 4" O.C. Splash Mounted Gooseneck Faucet
- K-62 X.H.D. 4" O.C. Deck Mounted Gooseneck Faucet
- K-105 14" Splash Mounted 8" O.C. Faucet
- K-112 Extra Heavy Duty 12" Splash Mounted Faucet
- K-316-LU Wrist Handles for 4" O.C. Faucets
- K-452 6"x9" Control Bracket
- K-453 14"x16" Control Bracket
- K-455A Stainless Steel Sink Cover 10"x14"
- K-455B Stainless Steel Sink Cover 14"x16"
- K-455C Stainless Steel Sink Cover 16"x20"
- K-455D Stainless Steel Sink Cover 18"x24"
- K-455E Stainless Steel Sink Cover 20"x20"
- K-455F Stainless Steel Sink Cover 24"x24"
- K-455G Stainless Steel Sink Cover 20"x28"
- K-460 Installation of Disposal Cone with 6"x9" Control Bracket
- K-461 Installation of Collar with 6"x9" Control Bracket
- K-470 14" deep Bowls

**TA-11Z (return only)**

Optional: 5" Splash Tables require a 2" return for splash mounted faucet

For More Faucet Options & Faucet Specs,  
 See Faucet Specifications in Section G



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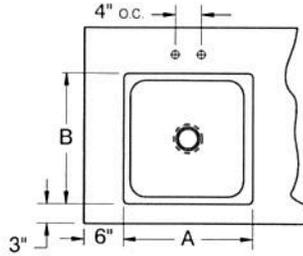
# DETAILS and SPECIFICATIONS

TOL ± .500"

ALL DIMENSIONS ARE TYPICAL

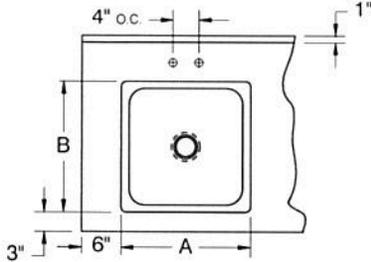
## MULTIPLE SINK SIZES (WELDED INTO TABLE TOP)

### FLAT TOP or 1-1/2" REAR SPLASH



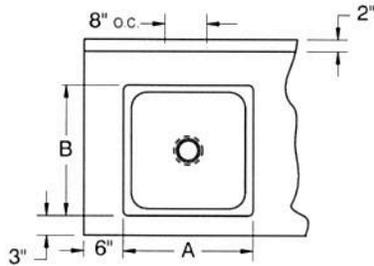
16" x 20" Bowls are turned in 24" Wide Tables  
(20" x 16" x 8")

### 5" REAR SPLASH with 1" RETURN

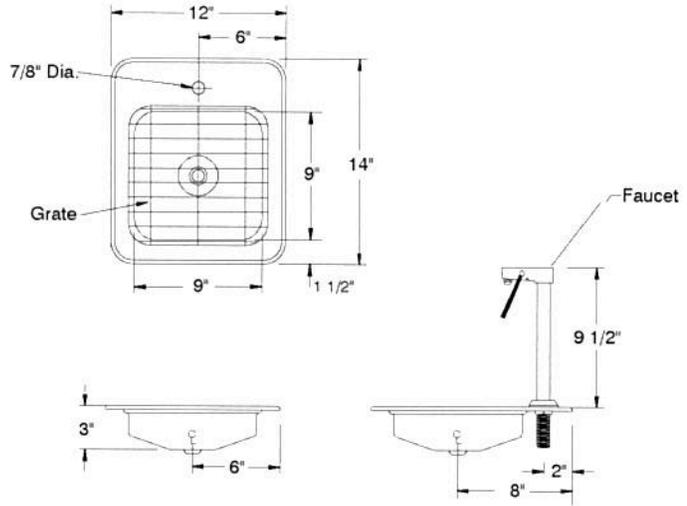


TA-11Z: Optional: 5" Splash Tables require a  
2" return for splash mounted faucet

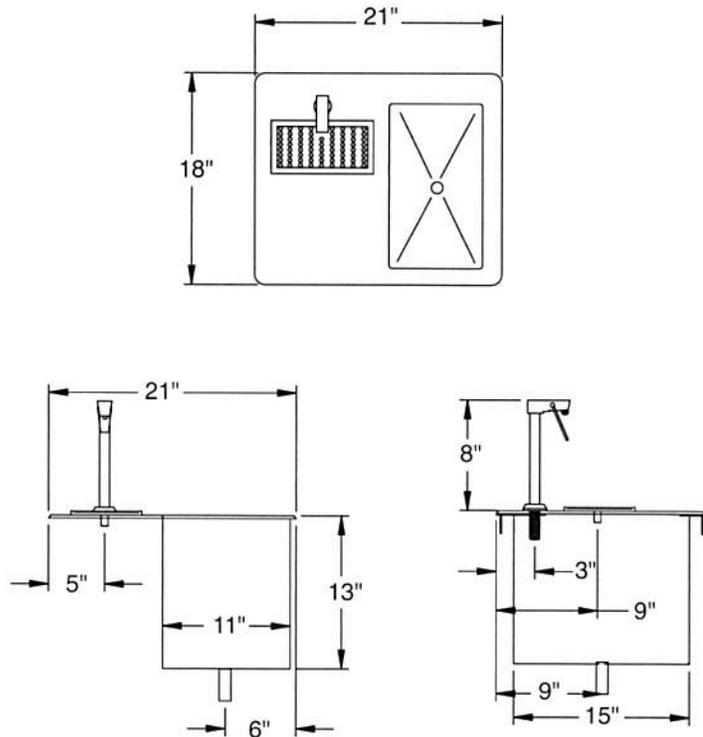
### 10" REAR SPLASH with 2" RETURN



## TA-11K - DROP-IN FILLER STATION (FACTORY INSTALL ONLY)



## TA-11KM - DROP-IN WATER/ICE STATION (FACTORY INSTALL ONLY)





GSA SIN 711-1

**Flagship® Hanging and Standard Height Pedestals**

- 28"H fits under all HON work surfaces and desk shells.
- Pencil tray standard in top box drawer.
- One drawer divider standard in each box drawer.
- One follower block and one crossrail standard in each file drawer.

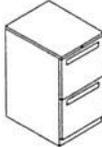
- Steel ball-bearing suspension on file and box drawers.
- Full extension on all drawers.
- File drawers have high sides for filing front-to-back.
- See page 507 for accessories and pedestal utilization information.

- Equipped with HON "One Key" interchangeable core removable locks.
- Hanging units are mounted using keyhole slots in top of pedestals; all hardware provided.

- Arch pull available in Satin Chrome only.
- Available in Arch (A), Full Face Integral (N) and Full Radius (R) Drawer Pulls. See page 476 for pull options.
- Choose from any of three pull options with no upcharge.
- Counterweight standard in mobile pedestals.

- Omit lock-option available. See page 751 for ordering instructions.
- ⚠ **Freestanding support pedestals that are not positioned and attached under a worksurface, require a counterweight kit found on page 507.**



Description	Model	Ship Weight	Cube	List by Paint Grade		
				Core	Choice/Metallics	Custom
 Hanging Pedestals — Box/File 15"W x 19 7/8"D x 19 1/2"H 15"W x 22 1/8"D x 19 1/2"H	H14920(?)	44	5.3	\$ 460	\$ 488	\$ 516
	H14923(?)	48	6.0	\$ 480	\$ 508	\$ 536
 Standard Height Mobile Pedestals — Box/Box/File 15"W x 19 7/8"D x 28"H 15"W x 22 1/8"D x 28"H 15"W x 28 7/8"D x 28"H	H18720(?)	84	7.0	\$ 587	\$ 615	\$ 643
	H18723(?)	88	8.0	\$ 607	\$ 635	\$ 663
	H18730(?)	102	9.8	\$ 640	\$ 668	\$ 696
 Standard Height Mobile Pedestals — File/File 15"W x 19 7/8"D x 28"H 15"W x 22 1/8"D x 28"H 15"W x 28 7/8"D x 28"H	H18820(?)	80	7.0	\$ 587	\$ 615	\$ 643
	H18823(?)	85	8.0	\$ 607	\$ 635	\$ 663
	H18830(?)	98	9.8	\$ 640	\$ 668	\$ 696
 Standard Height Freestanding Support Pedestals — Box/Box/File 15"W x 19 7/8"D x 28"H 15"W x 22 1/8"D x 28"H 15"W x 28 7/8"D x 28"H	H19720(?)	69	7.0	\$ 587	\$ 615	\$ 643
	H19723(?)	73	8.0	\$ 607	\$ 635	\$ 663
	H19730(?)	87	9.8	\$ 640	\$ 668	\$ 696
 Standard Height Freestanding Support Pedestals — File/File 15"W x 19 7/8"D x 28"H 15"W x 22 1/8"D x 28"H 15"W x 28 7/8"D x 28"H	H19820(?)	65	7.0	\$ 587	\$ 615	\$ 643
	H19823(?)	70	8.0	\$ 607	\$ 635	\$ 663
	H19830(?)	83	9.8	\$ 640	\$ 668	\$ 696

**NOTE: See Brigade™ pedestals on page 496 for additional pedestal options. See page 507 for Pedestal Accessories.**

How to specify

<b>Select Model Number from above</b> A Satin Chrome Arch N Full Face Integral R Full Radius <b>H   1   4   9   2   0   A   .</b>	<b>1st Option Select Lock Option</b> L Lock (no upcharge) X Omit Lock (deduct \$20) <b>L   .</b>	<b>2nd Option Select Paint Color</b> See page 477 <b>P  </b>
---	---	--

storage & files

**Flagship® 18" Deep Lateral Files with Drawers**

GSA SIN 711-3



- 27¼"H lateral file fit under minimum worksurface height of 28½"H
- 28"H lateral fit under standard Initiate, 38000 Series and worksurfaces.
- 5 Drawer model complements Initiate® and Simplicity® II Panel heights.
- Flush top and sides.
- Reinforced case construction.
- Lock mechanism serves both sides of drawer.
- Equipped with HON "One Key" interchangeable core removable locks.
- Counterweight included where applicable to meet ANSI/BIFMA stability requirements.
- Three-part, telescoping, steel ball-bearing suspension.
- Features drawer extension restraint; mechanical interlock inhibits the extension of more than one drawer at a time.
- Optional laminate tops and accessories — see page 506
- Matching Pedestals — see pages 486-487
- Optional Posting Shelf on five-opening units.
- Omit lock-option available. See page 751 for ordering instructions.
- Arch pull available in Satin Chrome only.
- Choose from any of three pull options with no upcharge.
- Available in Arch (A), Full Face Integral (N) and Full Radius (R) Drawer Pulls. See below and page 476 for pull options.



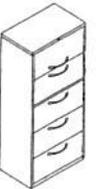
storage & files



Universal Height



Standard Height



Notes: Top drawer is a roll-out shelf.

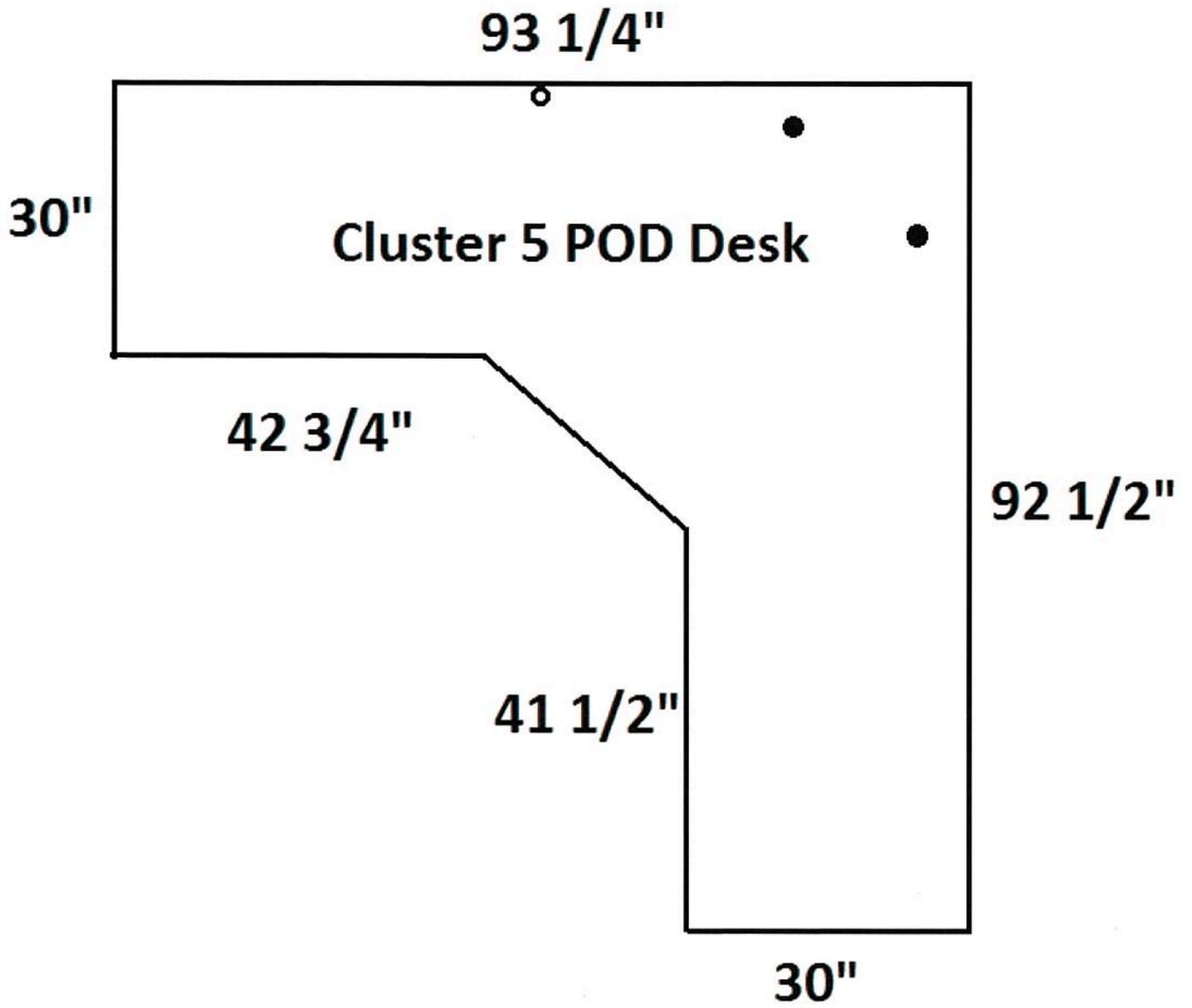
Description	Model	Ship Weight	Cube	List by Paint Grade		
				Core	Choice/Metallics	Custom
Universal Height Lateral File — 2 Drawer 30"W x 18"D x 27¼"H 36"W x 18"D x 27¼"H 42"W x 18"D x 27¼"H	H9172(?)	138	12.3	\$ 800	\$ 833	\$ 867
	H9182(?)	156	14.5	\$ 885	\$ 918	\$ 952
	H9192(?)	177	16.8	\$1024	\$1057	\$1091
Standard Height Lateral File — 2 Drawer 30"W x 18"D x 28"H 36"W x 18"D x 28"H 42"W x 18"D x 28"H	H9170(?)	138	12.3	\$ 785	\$ 818	\$ 852
	H9180(?)	156	14.5	\$ 868	\$ 901	\$ 935
	H9190(?)	177	16.8	\$1005	\$1038	\$1072
Lateral File — 3 Drawer 30"W x 18"D x 39¼"H 36"W x 18"D x 39¼"H 42"W x 18"D x 39¼"H	H9173(?)	150	16.9	\$1030	\$1063	\$1097
	H9183(?)	174	20.0	\$1157	\$1190	\$1224
	H9193(?)	197	23.2	\$1338	\$1371	\$1405
Lateral File w/o Posting Shelf — 4 Drawer 30"W x 18"D x 52½"H 36"W x 18"D x 52½"H 42"W x 18"D x 52½"H	H9174(?)	176	22.1	\$1299	\$1366	\$1432
	H9184(?)	198	26.2	\$1474	\$1541	\$1607
	H9194(?)	213	30.3	\$1692	\$1759	\$1825
Lateral File — 5 Drawer 30"W x 18"D x 64¼"H, w/Posting Shelf 30"W x 18"D x 64¼"H, w/o Posting Shelf 36"W x 18"D x 64¼"H, w/Posting Shelf 36"W x 18"D x 64¼"H, w/o Posting Shelf 42"W x 18"D x 64¼"H, w/Posting Shelf 42"W x 18"D x 64¼"H, w/o Posting Shelf	H9275(?)	210	26.8	\$1693	\$1760	\$1826
	H9175(?)	203	26.8	\$1658	\$1725	\$1791
	H9285(?)	245	31.8	\$1907	\$1974	\$2040
	H9185(?)	238	31.8	\$1869	\$1936	\$2002
	H9295(?)	271	36.8	\$2201	\$2268	\$2334
	H9195(?)	264	36.8	\$2167	\$2234	\$2300

**NOTE: See page 493 for Overfiles and page 506 for Lateral File Accessories.**

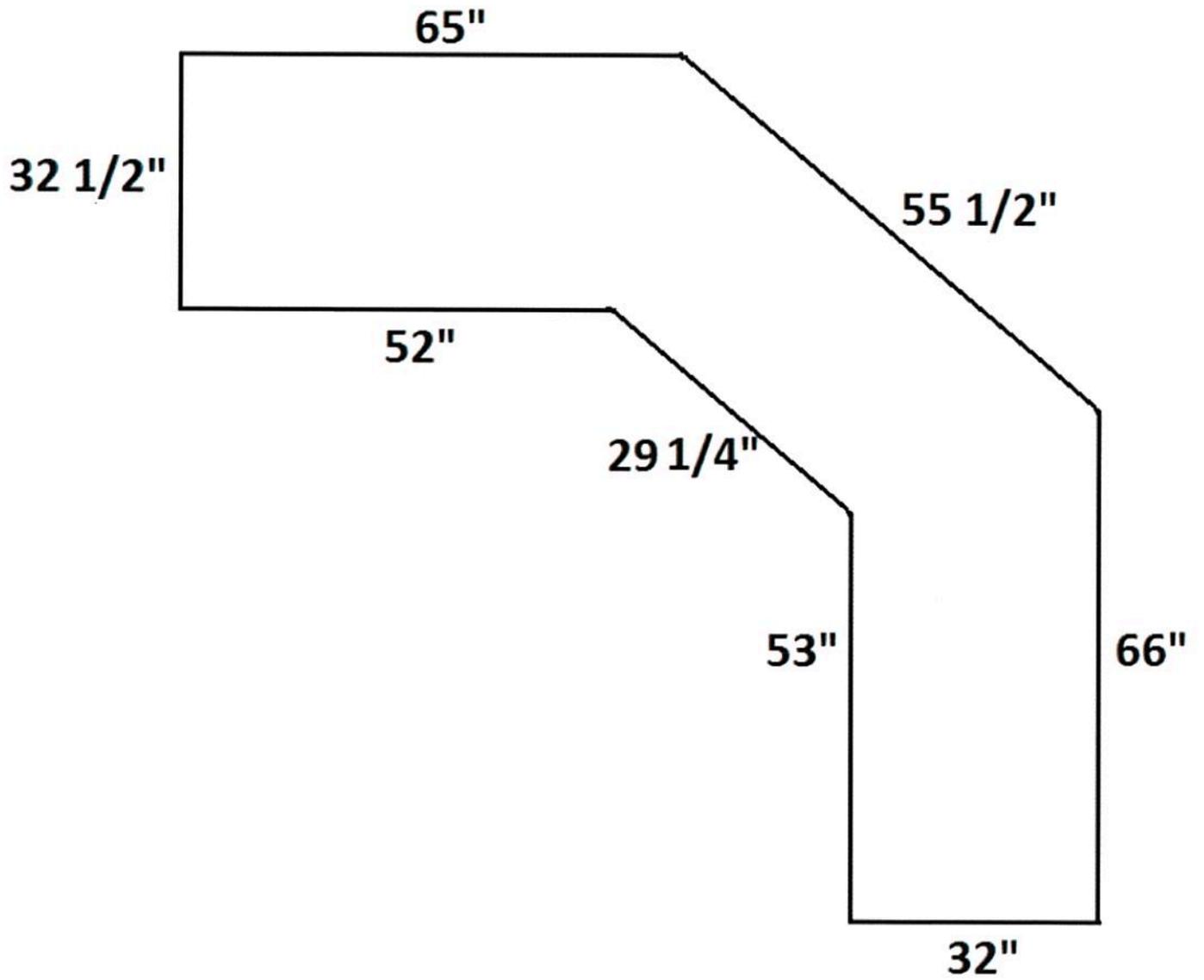
How to specify

<p><b>Select Model Number from above</b></p> <p>A Satin Chrome Arch N Full Face Integral R Full Radius</p> <p><b>H 9 1 7 2 A .</b></p>	<p><b>1st Option</b></p> <p><b>Select Lock Option</b></p> <p>L Lock (no upcharge) X Omit Lock (deduct \$20)</p> <p><b>L .</b></p>	<p><b>2nd Option</b></p> <p><b>Select Paint Color</b></p> <p>See page 477</p> <p><b>P</b></p>
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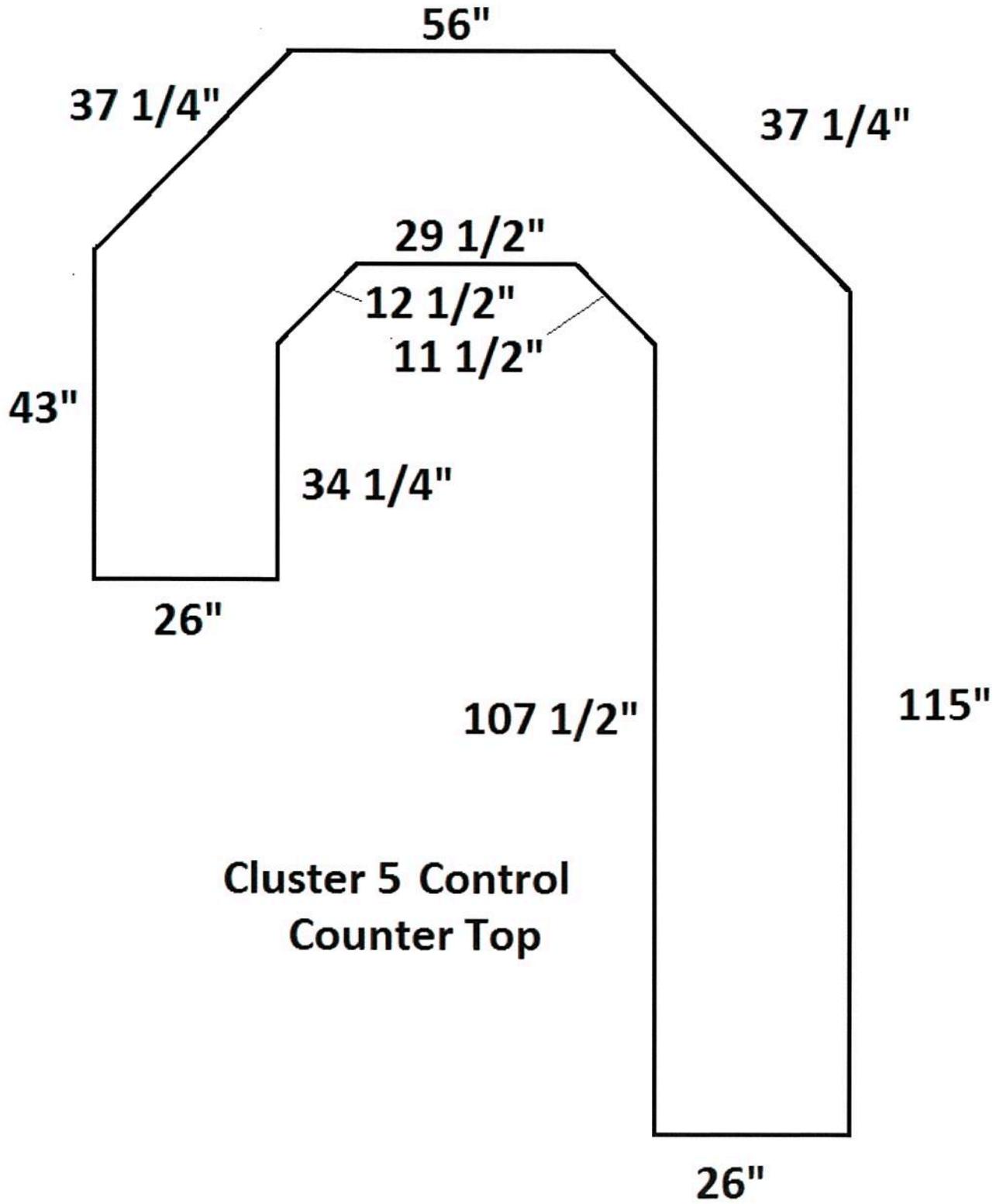
Attachment A-10



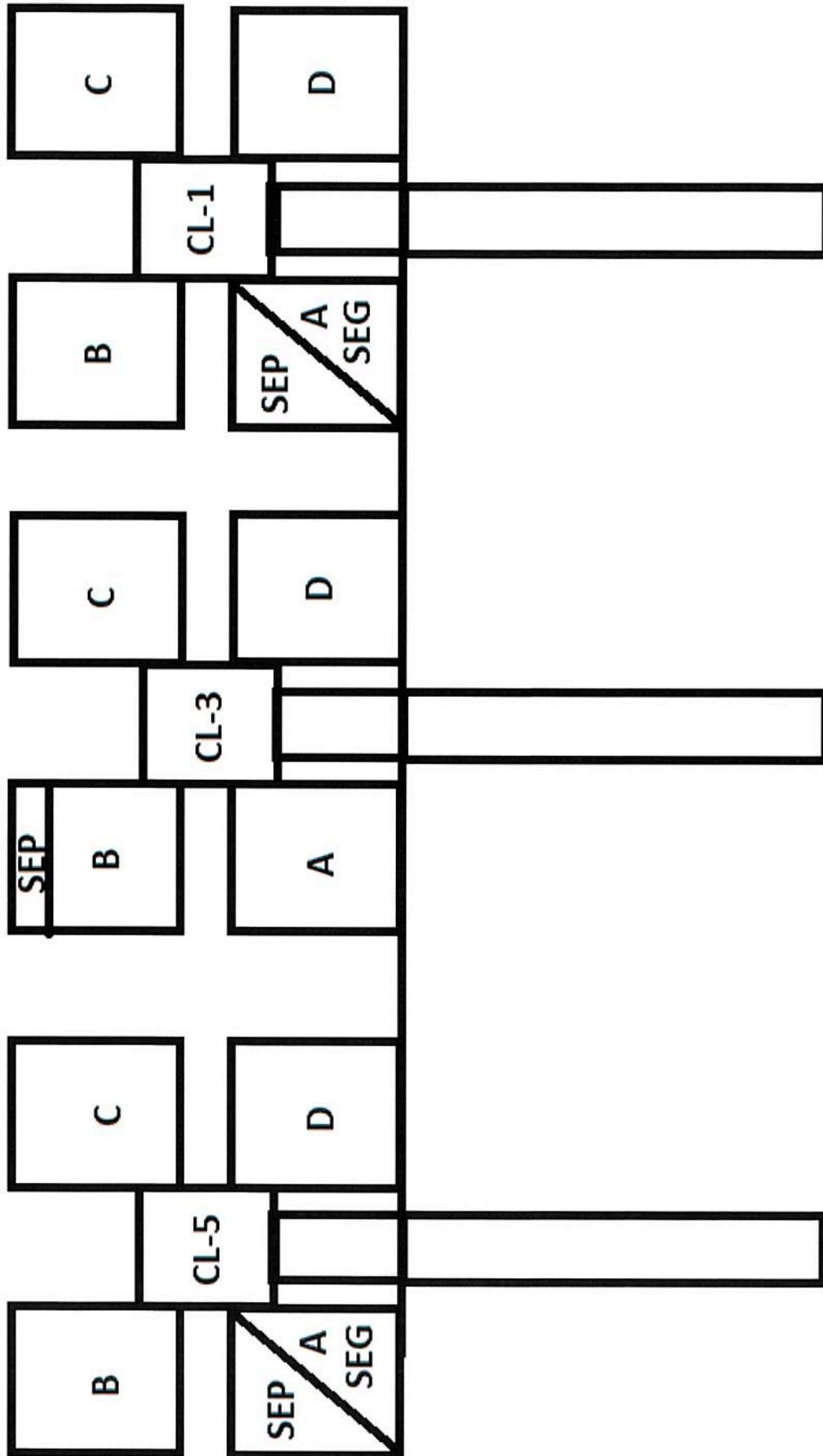
### Cluster One and Five Control



Attachment A-10



# Collin County Detention Center POD Layout



**SIGNATURE FORM  
COLLIN COUNTY, TEXAS**

DELIVERY WILL BE F.O.B. INSIDE DELIVERY AT COLLIN COUNTY DESIGNATED LOCATIONS AND ALL TRANSPORTATION CHARGES PAID BY THE SUPPLIER TO DESTINATION.

DELIVERY TO BE SPECIFIED IN CALENDAR DAYS FROM DATE OF ORDER.

WE **DO NOT** TAKE EXCEPTION TO THE BID SPECIFICATIONS.

WE **TAKE** EXCEPTION TO THE BID SPECIFICATIONS (EXPLAIN):

**COMPANY INFORMATION/PROFILE/REFERENCES**

Preferential Requirement: The County of Collin, as a governmental agency of the State of Texas, may not award a contract to a nonresident bidder unless the nonresident's bid is lower than the lowest bid submitted by a responsible Texas resident bidder by the same amount that a Texas resident bidder would be required to underbid a nonresident bidder to obtain a comparable contract in the state in which the nonresident's principal place of business is located (Government Code, Title 10, V.T.C.A., Chapter 2252, Subchapter A). Bidder shall make answer to the following questions by selecting the appropriate radio button or inserting information in the box provided:

Is your principal place of business in the State of Texas?  Yes  No

If the answer to question is "yes", no further information is necessary; if "no", please indicate:

in which state is your principal place of business is located:

if that state favors resident bidders (bidders in your state) by some dollar increment or percentage:  Yes  No

if "yes", what is that dollar increment or percentage?

**Company Profile: IS YOUR FIRM?**

Sole Proprietorship  Yes  No

General Partnership  Yes  No

Limited Partnership  Yes  No

Corporation  Yes  No

Other   Yes  No

List Legal Names in Company:

**List at least three (3) companies or governmental agencies where these same/like products/services, as stated herein, have been provided. Include company name, address, contact name and telephone number.**



AS PERMITTED UNDER TITLE 8, CHAPTER 271, SUBCHAPTER F, SECTION 271.101 AND 271.102 V.T.C.A. AND TITLE 7, CHAPTER 791, SUBCHAPTER C, SECTION 791.025, V.T.C.A., OTHER LOCAL GOVERNMENTAL ENTITIES MAY WISH TO ALSO PARTICIPATE UNDER THE SAME TERMS AND CONDITIONS CONTAINED IN THIS CONTRACT. EACH ENTITY WISHING TO PARTICIPATE MUST ENTER INTO AN INTERLOCAL AGREEMENT WITH COLLIN COUNTY AND HAVE PRIOR AUTHORIZATION FROM VENDOR. IF SUCH PARTICIPATION IS AUTHORIZED, ALL PURCHASE ORDERS WILL BE ISSUED DIRECTLY FROM AND SHIPPED DIRECTLY TO THE LOCAL GOVERNMENTAL ENTITY REQUIRING SUPPLIES/SERVICES. COLLIN COUNTY SHALL NOT BE HELD RESPONSIBLE FOR ANY ORDERS PLACED, DELIVERIES MADE OR PAYMENT FOR SUPPLIES/SERVICES ORDERED BY THESE ENTITIES. EACH ENTITY RESERVES THE RIGHT TO DETERMINE THEIR PARTICIPATION IN THIS CONTRACT. WOULD BIDDER BE WILLING TO ALLOW OTHER LOCAL GOVERNMENTAL ENTITIES TO PARTICIPATE IN THIS CONTRACT, IF AWARDED, UNDER THE SAME TERMS AND CONDITIONS?  Yes  No

By signing and submitting this Bid/Proposal, Bidder/Offeror acknowledges, understands the specifications, any and all addenda, and agrees to the bid/proposal terms and conditions and can provide the minimum requirements stated herein. Bidder/Offeror acknowledges they have read the document in its entirety, visited the site, performed investigations and verifications as deemed necessary, is familiar with local conditions under which work is to be performed and will be responsible for any and all errors in Bid/Proposal submittal resulting from Bidder/Offeror's failure to do so. Bidder/Offeror acknowledges the prices submitted in this Bid/Proposal have been carefully reviewed and are submitted as correct and final. If Bid/Proposal is accepted, vendor further certifies and agrees to furnish any and all products/services upon which prices are extended at the price submitted, and upon conditions in the specifications of the Invitation for Bid/Request for Proposal.

THE UNDERSIGNED HEREBY CERTIFIES THE FOREGOING BID/PROPOSAL SUBMITTED BY THE COMPANY LISTED BELOW HEREINAFTER CALLED "BIDDER/OFFEROR" IS THE DULY AUTHORIZED AGENT OF SAID COMPANY AND THE PERSON SIGNING SAID BID/PROPOSAL HAS BEEN DULY AUTHORIZED TO EXECUTE SAME. BIDDER/OFFEROR AFFIRMS THAT THEY ARE DULY AUTHORIZED TO EXECUTE THIS CONTRACT; THIS COMPANY; CORPORATION, FIRM, PARTNERSHIP OR INDIVIDUAL HAS NOT PREPARED THIS BID/PROPOSAL IN COLLUSION WITH ANY OTHER BIDDER/OFFEROR OR OTHER PERSON OR PERSONS ENGAGED IN THE SAME LINE OF BUSINESS; AND THAT THE CONTENTS OF THIS BID/PROPOSAL AS TO PRICES, TERMS AND CONDITIONS OF SAID BID/PROPOSAL HAVE NOT BEEN COMMUNICATED BY THE UNDERSIGNED NOR BY ANY EMPLOYEE OR AGENT TO ANY OTHER PERSON ENGAGED IN THIS TYPE OF BUSINESS PRIOR TO THE OFFICIAL OPENING OF THIS BID/PROPOSAL.

Company Name	<input type="text"/>
Street Address of Principal Place of Business	<input type="text"/>
City, State, Zip	<input type="text"/>

Phone of Principal Place of Business	<input type="text"/>
Fax of Principal Place of Business	<input type="text"/>
E-mail Address of Representative	<input type="text"/>
Federal Identification Number	<input type="text"/>
Date	<input type="text"/>
Acknowledgement of Addenda	#1 <input type="checkbox"/> #2 <input type="checkbox"/> #3 <input type="checkbox"/> #4 <input type="checkbox"/> #5 <input type="checkbox"/> #6 <input type="checkbox"/>
Authorized Representative Name	<input type="text"/>
Authorized Representative Title	<input type="text"/>
Signature (Required for paper bid submission)	<input type="text"/>

## AFFIDAVIT OF COMPLIANCE

I, the undersigned, declare and affirm that my company is in compliance with the Immigration and Reform Act of 1986 and all employees are legally eligible to work in the United States of America.

I further understand and acknowledge that any non-compliance with the Immigration and Reform Act of 1986 at any time during the term of this contract will render the contract voidable.

Name of Company

Title of Officer

Name of Officer

Date:

<b>CONFLICT OF INTEREST QUESTIONNAIRE</b>	<b>FORM CIQ</b>
<b>For vendor or other person doing business with local governmental entity</b>	
<p><b>This questionnaire reflects changes made to the law by H.B. 1491, 80th Leg., Regular Session.</b></p> <p style="text-align: center;">This questionnaire is being filed in accordance with Chapter 176, Local Government Code by a person who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the person meets requirements under Section 176.006(a).</p> <p>By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the person becomes aware of facts that require the statement to be filed. See Section 176.006, Local Government Code.</p> <p>A person commits an offense if the person knowingly violates Section 176.006, Local Government Code. An offense under this section is a Class C misdemeanor.</p>	<p><b>OFFICE USE ONLY</b></p> <hr/> <p>Date Received</p>
<p><b>1. Name of person who has a business relationship with local governmental entity.</b></p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	
<p><b>2. <input type="checkbox"/> Check this box if you are filing an update to a previously filed questionnaire.</b></p> <p>(The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date the originally filed questionnaire becomes incomplete or inaccurate.)</p>	
<p><b>3. Name of local government officer with whom filer has employment or business relationship.</b></p> <div style="border: 1px solid black; height: 20px; width: 100%; text-align: center; margin: 10px 0;"> <p><b>Name of Officer</b></p> </div> <p>This section (item 3 including subparts A, B, C &amp; D) must be completed for each officer with whom the filer has an employment or other business relationship as defined by Section 176.001(1-a), Local Government Code. Attach additional pages to this Form CIQ as necessary.</p> <p>A. Is the local government officer named in this section receiving or likely to receive taxable income, other than investment income, from the filer of the questionnaire?</p> <p style="text-align: center;"><input type="checkbox"/> Yes   <input type="checkbox"/> No</p> <p>B. Is the filer of the questionnaire receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer named in this section AND the taxable income is not received from the local governmental entity?</p> <p style="text-align: center;"><input type="checkbox"/> Yes   <input type="checkbox"/> No</p> <p>C. Is the filer of this questionnaire employed by a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership of 10 percent or more?</p> <p style="text-align: center;"><input type="checkbox"/> Yes   <input type="checkbox"/> No</p> <p>D. Describe each employment or business relationship with the local government officer named in this section.</p> <div style="border: 1px solid black; height: 40px; width: 100%; margin-top: 10px;"></div>	





4.

Signature of person doing business with the governmental entity

Date

Adopted 06/29/2007

**PERFORMANCE BOND**

STATE OF TEXAS           □  
COUNTY OF COLLIN       □

**KNOW ALL MEN BY THESE PRESENTS:**

That [redacted], a corporation organized and existing under the laws of the State of [redacted] and fully authorized to transact business in the State of Texas, whose address is [redacted] of the City of [redacted] County of [redacted], and State of [redacted], (hereinafter referred to as "Principal"), and [redacted] (hereinafter referred to as "Surety", a corporation organized under the laws of the State of [redacted] and authorized under the laws of the State of Texas to act as surety on bonds for principals, are held and firmly bound unto [redacted] (hereinafter referred to as "Owner") and unto all persons, firms and corporations who may furnish materials for or perform labor upon the buildings, structures or improvements referred to in the attached Contract, , in the penal sum of [redacted] Dollars (\$ [redacted]) (not less than 100% of the approximate total amount of the Contract as evidenced in the proposal plus 10-percent of the stated penal sum as an additional sum of money representing additional court expenses, attorneys' fees, and liquidated damages arising out of or connected with the below identified Contract) in lawful money of the United States, for the payment whereof, the said Principal and Surety bind themselves, and their heirs, administrators, executors, successors, and assigns, jointly and severally, firmly by these presents:

**WHEREAS**, the Principal has entered into a certain written contract with the Owner, dated the [redacted] day of [redacted], 200[redacted], to which said Contract is hereby referred to and made a part hereof and as fully and to the same extent as if copied at length herein for the construction of [redacted].

**NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH**, that if the said Principal fully and faithfully executes the work and performance of the Contract in accordance with the plans specifications, and Contract Documents, including any extensions thereof which may be granted with or without notice to Surety, during the original term thereof, and during the life of any guaranty required under the Contract, and according to the true intent and meaning of said Contract and the plans and specifications hereto annexed, if the Principal shall repair and/or replace all defects due to faulty materials or workmanship that appear within a period of one year from the date of final completion and final acceptance of the work by OWNER; and if the Principal shall fully indemnify and save harmless the OWNER from all costs and damages which OWNER may suffer by reason of failure to so perform herein and shall fully reimburse and repay OWNER all outlay and expense which the OWNER may incur in making good any default or deficiency, then this obligation shall be void; otherwise, to remain in full force and effect; and in case said CONTRACTOR shall fail to do so, it is agreed that the OWNER may do said work and supply such materials and charge the same against said CONTRACTOR and Surety on this obligation. Provided further, that if any legal action be filed on this Bond, venue shall lie in Collin County, Texas.

**"PROVIDED, HOWEVER**, that this bond is executed pursuant to the provisions Texas Government Code, Chapter 2253, as amended, and Chapter 3503 of the Texas Insurance Code, as amended, and all liabilities on this bond shall be determined in accordance with the provisions of said articles to the same extent as if they were fully copied at length herein.

Surety, for value received, stipulates and agrees that the bond shall automatically be increased by the amount of any Change Order or supplemental agreement which increases the Contract price with or without notice to the Surety, but in no event shall a Change Order or Supplemental Agreement which reduces the Contract price decrease the penal sum of the Bond. And further that no change, extension of time, alteration, or addition to the terms of the Contract, or to the work performed thereunder, or the plans, specifications, or drawings accompanying the same shall in any way affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration, or addition to the terms of the Contract or to the work to be performed thereunder.

Surety agrees that the bond provides for the repairs and/or replacement of all defects due to faulty materials and workmanship that appear within a period of one (1) year from the date of completion and acceptance of the improvement by the OWNER.

The undersigned and designated agent is hereby designated by Surety herein as the agent resident to whom any requisite notice may be delivered and on whom service of process may be had in matters arising out of such suretyship.

**IN WITNESS WHEREOF**, the said Principal and Surety have signed and sealed this instrument this [redacted] day of [redacted] 200[redacted].

**WITNESS**

[redacted]

**PRINCIPAL**

[redacted]

Printed/Typed Name [redacted]

Title:

Company:

Address:

**SURETY**

Printed/Typed Name

Title:

Company:

Address:

**WITNESS**

The Resident Agent of the Surety for delivery of notice and service of process is:

Name:

Address:

Phone Number:

**Note :** Date of Bond must NOT be prior to date of contract

Revised

11/2008

**PAYMENT BOND**

STATE OF TEXAS            □  
COUNTY OF COLLIN       □

**KNOW ALL MEN BY THESE PRESENTS:**

That [redacted], a corporation organized and existing under the laws of the State of [redacted], and fully authorized to transact business in the State of Texas, whose address is [redacted] of the City of [redacted] County of [redacted], and State of [redacted], (hereinafter referred to as "Principal"), and [redacted] (hereinafter referred to as "Surety", a corporation organized under the laws of the State of [redacted] and authorized under the laws of the State of Texas to act as surety on bonds for principals, are held and firmly bound unto [redacted] (hereinafter referred to as "Owner") and unto all persons, firms and corporations who may furnish materials for or perform labor upon the buildings, structures or improvements referred to in the attached Contract, , in the penal sum of [redacted] Dollars (\$ [redacted]) (not less than 100% of the approximate total amount of the Contract as evidenced in the proposal) in lawful money of the United States, for the payment whereof, the said Principal and Surety bind themselves, and their heirs, administrators, executors, successors, and assigns, jointly and severally, firmly by these presents:

**WHEREAS**, the Principal has entered into a certain written contract with the Owner, dated the [redacted] day of [redacted], 200[redacted], to which said Contract is hereby referred to and made a part hereof and as fully and to the same extent as if copied at length herein for the construction of [redacted].

**NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH**, that the bond guarantees the full and proper protection of all claimants supplying labor and material in the prosecution of the work provided for in said Contract and for the use of each claimant, and that conversely should the Principal faithfully perform said Contract and in all respects duly and faithfully observe and perform all and singular the covenants, conditions, and agreements in and by said Contract, agreed to by the Principal, and according to the true intent and meaning of said Contract and the claims and specifications hereto annexed, and any and all duly authorized modifications of said Contract that may hereafter be made, notice of which modification to Surety being hereby waived, then this obligation shall be void; otherwise, to remain in full force and effect. Provided further, that if any legal action be filed on this Bond, venue shall lie in Collin County, Texas.

**"PROVIDED, HOWEVER**, that this bond is executed pursuant to the provisions Texas Government Code, Chapter 2253, as amended, and Chapter 3503 of the Texas Insurance Code, as amended, and all liabilities on this bond shall be determined in accordance with the provisions of said articles to the same extent as if they were fully copied at length herein.

Surety, for value received, stipulates and agrees that the bond shall automatically be increased by the amount of any Change Order or supplemental agreement which increases the Contract price with or without notice to the Surety and that no change, extension of time, alteration or addition to the terms of the Contract, or to the work performed thereunder, or the plans, specifications, or drawings accompanying the same, shall in anyway affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Contract, or to the work to be performed thereunder.

The undersigned and designated agent is hereby designated by Surety herein as the agent resident to whom any requisite notice may be delivered and on whom service of process may be had in matters arising out of such suretyship.

**IN WITNESS WHEREOF**, the said Principal and Surety have signed and sealed this instrument this [redacted] day of [redacted] 200[redacted].

**WITNESS**  
[redacted]

**PRINCIPAL**  
[redacted]  
Printed/Typed Name [redacted]  
Title: [redacted]  
Company: [redacted]

Address:

**WITNESS**

**SURETY**

Printed/Typed Name

Title:

Company:

Address:

The Resident Agent of the Surety for delivery of notice and service of process is:

Name:

Address:

Phone Number:

**Note :** Date of Bond must NOT be prior to date of contract

Revised

11/2008

## Question and Answers for Bid #2014-392 - Detention Center Repairs And Renovations

### OVERALL BID QUESTIONS

**There are no questions associated with this bid. If you would like to submit a question, please click on the "Create New Question" button below.**