

BID PROPOSAL

CUSTOMER:	<u>City of Maricopa</u>	BID DATE:	<u>6/15/2018</u>
ADDRESS:	<u>18860 N John Wayne Parkway</u> <u>Maricopa, AZ 85139</u>	PROPOSAL NO.:	<u>18-0296 Rev2</u>
JOB DESC.:	<u>Abate and Re-Roof</u>	PROPOSAL TYPE.:	<u>JOC 1601-401</u>
CONTACT:	<u>Ross Renner</u>		

We are pleased to propose the following:

Per attached plans & scope of work ...

Sub-Total	\$	61,975.94
Coefficient	\$	11,775.00
TOTAL	\$	73,750.94

CLARIFICATIONS

- 1) The abatement and put back of roof will be 12 working days to complete after approved submittals.
 - 2) _____
 - 3) _____
- This quote is good for 30 days

EXCLUSIONS

- 1) Permits, architectural, engineering, drawings, materials testing, special inspections
- 2) Premium time unless otherwise indicated.
- 3) Removal of Hazardous Waste, unforeseen conditions, underground utilities/others relocation, repairs.
- 4) Any concrete work, sidewalks, curbs, paving, etc
- 5) Any items not included in the scope of work.

Thank you,

SDB, inc.

Mike Kuebelbeck
Prepared by

Reviewed by

Accepted by:

City of Maricopa

Job Name: Family Advocacy Center Re-Roof
 COC Job #: _____
 Location: 18860 N John Wayne Parkway

Date Submitted: 06/15/18
 SDB Est #: 18-0296 Rev2
 SDB Job #: --

JOC1201-401

CSI	Description	Cost
01	Division 1 - General Requirements	\$ 11,862.00
02	Division 2 - Existing Conditions	\$ 15,123.94
07	Division 7 - Therm & Moist Protection	\$ 34,990.00
Sub Total		\$ 61,975.94
Coefficient 19.0%		\$ 11,775.00
Total		\$ 73,750.94

DIVISION BREAKDOWN

QUAN	CSI	Description	Unit	\$ per Unit	Total
Division 1 - General Requirements					
20.0	01-3105	Project Manager	EA	\$ 86.66	\$ 1,733.20
80.0	01-3120	Superintendent	EA	\$ 72.86	\$ 5,828.80
1.0		Owner's ALLOWANCE	AL	\$ 4,300.00	\$ 4,300.00
Total - Division 1 - General Requirements					\$ 11,862.00
Division 2 - Existing Conditions					
1.0	02-8205	Asbestos Abatement (Viking Specialty Contracting)	LS	\$ 15,123.94	\$ 15,123.94
0.0				\$ -	\$ -
Total - Division 2 - Existing Conditions					\$ 15,123.94
Division 7 - Therm & Moist Protection					
1.0	07-5710	Foam Roofing (Starkweather)	LS	\$ 34,990.00	\$ 34,990.00
0.0				\$ -	\$ -
Total - Division 7 - Therm & Moist Protection					\$ 34,990.00

**PROPOSAL
 ATTACHMENT "A"**

CUSTOMER:	<u>City of Maricopa</u>	BID DATE:	<u>6/15/2018</u>
ADDRESS:	<u>18860 N John Wayne Parkway</u>	PROPOSAL NO.:	<u>18-0296 Rev2</u>
	<u>Maricopa, AZ 85139</u>	PROPOSAL TYPE.:	<u>JOC 1601-401</u>
JOB DESC.:	<u>Abate and Re-Roof</u>		
CONTACT:	<u>Ross Renner</u>		

SCOPE OF WORK:

- * Provide and install all materials, equipment and labor to abate the existing roof and interior items which has tested positive for asbestos. as identified on the asbestos Abatement Technical Outline by Terracon dated 5-17-18
- * Erect and maintain SRI's fall protection system as per O.S.H.A. requirements and erect a controlled access zone for the protection of the public or tenants of the building.
- * Raise air conditioning units as needed to properly roof underneath. (Note: Any damage caused from moving units that is not caused by gross negligence of subcontractor will be owner's expense).
- * Install foam stop metal perimeter edges using mechanical fasteners.
- * Mask and/or cover all roof fixtures to prevent damage from overspray.
- * Apply an average 3" of 2.8 lb density urethane foam to entire roof surface.
- * Install a base coat of roof coating to entire foamed surface at the rate of 1.5 gallons per 100 square feet.
- * Install an intermediate coat of roof coating to entire foamed surface at the rate of 1.5 gallons per 100 square feet.
- * Apply a topcoat of white elastomeric roof coating to entire foamed surface at the rate of 2.0 gallons per 100 square feet.
- * Apply caulking compound to all areas where urethane foam connects to metal edge.
- * Install new underlayment and concrete roof tile on steep slope overhangs.
- * Clean job site of all roofing debris and haul away.
- * Conduct a final inspection with all involved parties and resolve any punch list or close-out items in a timely manner.

EXCLUSIONS:

- Permits, architectural, engineering, drawings, materials testing, special inspections
- Premium time unless otherwise indicated.
- Any concrete work, sidewalks, curbs, paving, etc
- Any items not included in the scope of work.

Coefficient	\$0 - \$49,999 =21%
	\$50,000 - \$99,999 = 19%
	\$100,000 - \$499,999 = 17%
	\$500,000 + = 15%

CLARIFICATIONS:

Roof damage and fascia repair = Fascia - \$10.00 sq. ft. ; Plywood - \$3.00 sq.ft. - Allowance of \$4,300



OFFICE 480-568-8228
FAX 480-696-3960
BOBBY@VIKING-AZ.COM
WWW.VIKING-AZ.COM
ROC 283086 KB-1

Bid No.: BB18-143

THIS AGREEMENT entered into on 5/31/2018 by and between Viking Specialty Contracting (Hereafter "Viking") and ATTN:

SDB Contracting Services
1001 South Edward Drive
Tempe, AZ 85281
Attn: Mike Kuebelbeck

Project identified as: Residential Abatement
Asbestos Abatement Services

Project Location: 18860 North John Wayne Parkway
Maricopa, AZ 85139

THE PARTIES AGREE TO THE FOLLOWING:

1. Viking agrees to properly remove and dispose of all identified ACM materials as noted below:

Scope of Work:

Viking will remove and dispose of approximately 3,500 SF of built-up roofing, 2,400 SF of textured wall board, 30 SF of roof penetration mastic, and 3 SF of duct seam tape located at the water heater. Viking will erect a negative pressure enclosure surrounding the affected interior areas. Additionally, Viking will establish a regulated working area surrounding the affected exterior areas. Viking will utilize wet methods and state of the art removal techniques. Viking has not included third party over-site and air monitoring, but will coordinate all efforts prior to the removal of containment barriers upon request. Viking will not be responsible for minor damage to drywall, painted surfaces, or structural substrate. No replacements of any materials being removed have been included in this price. All contents, furnishings, and personal items must be removed prior to Viking's arrival on site. Pricing is based on one phase.

Total Lump Sum Price for Abatement Services:	\$13,353.94
10 Day NESHAP notification:	\$1,770.00
Total Price:	\$15,123.94

2. Price includes: Regulated areas, and or full containment, decontamination unit, personal protective equipment, and the tools necessary to successfully complete the project. The estimated time frame will be determined based on clients scheduling requirements. This job will be performed Monday through Friday during the hours necessary to meet your schedule.

NOTES:

- A. Compliance of All EPA and OSHA Regulations.
 - B. Pure occurrence A Rated Insurance.
 - C. Proper Disposal at EPA Approved Landfill.
 - D. Arizona Contractors License ROC283086.
 - E. Add 3-5% for Bonding. (if Required)
 - F. Power, Water and Toilet Facilities Provided by Owner.
3. The Owner agrees to pay Viking Specialty Contracting the Contract Sum, based upon applications for payment submitted by Viking Specialty Contracting due upon receipt.
 4. Any alterations or deviations from the specified scope of work will need to be in writing and authorized prior to the work be performed.
 5. Proposal pricing is good for 60 calendar days, if additional time is required Viking with confer with client to determine current market value.
 6. All furnishings must be removed and stored by others prior to Vikings arrival on site.
 7. Invoices are due in accordance with contract terms and conditions. Interest shall accrue on past due invoices at 2% per month or no greater than 24% annually on all unpaid invoices.
 8. Price includes NESHAP.
 9. Third party clearance sampling is not included in this price.

Note: Closeout Documents will only be provided upon written request from client within 30 days of project completion

Sincerely,
Bobby Branstetter

Bobby Branstetter

Estimator

Accepted by:

Date



29455 North Cave Creek Road Suite 118-631, Cave Creek, Arizona 85331
Phone: (602) 997-0529 | Fax: (602) 395-0369 | Email: Starkweather@StarkweatherRoof.com
Website: www.StarkweatherRoof.com

May 16th, 2018

TO: SDB Contracting Services

1001 South Edward Drive
Tempe, Arizona 85281

Attention: Mike Kuebelbeck

Phone: (480) 967-5810 · Email: Mike.Kuebelbeck@sdb.com

JOB: City of Maricopa · 18860 North John Wayne Parkway · Maricopa, Arizona 85139

AERIAL VIEW



SPECIFICATIONS AND PROPOSAL/CONTRACT

Starkweather Roofing, Inc. ("SRI") agrees to perform all work described herein according to the following specifications and Customer agrees to the Additional Terms and Conditions below including payment terms:

Urethane Foam Roof Specification:

1. Conduct an onsite preconstruction meeting with all involved parties. Implement company safety plans to ensure a safe working environment for building occupants and rooftop workers, establish mutually agreeable equipment and material staging and loading areas, and determine an execution strategy to ensure timely, minimally impactful completion of the work described herein.
2. Erect and maintain SRI's fall protection system as per O.S.H.A. requirements and erect a controlled access zone for the protection of the public or tenants of the building.
3. Raise air conditioning units as needed to properly roof underneath. (Note: Any damage caused from moving units that is not caused by gross negligence of SRI will be owner's expense).
4. Install foam stop metal perimeter edges using mechanical fasteners.
5. Mask and/or cover all roof fixtures to prevent damage from overspray.
6. Apply an average 3" of 2.8 lb density urethane foam to entire roof surface.
7. Install a base coat of roof coating to entire foamed surface at the rate of 1.5 gallons per 100 square feet.
8. Install an intermediate coat of roof coating to entire foamed surface at the rate of 1.5 gallons per 100 square feet.
9. Apply a topcoat of white elastomeric roof coating to entire foamed surface at the rate of 2.0 gallons per 100 square feet.
10. Apply caulking compound to all areas where urethane foam connects to metal edge.
11. Install new underlayment and concrete roof tile on steep slope overhangs.
12. Clean job site of all roofing debris and haul away.
13. Conduct a final inspection with all involved parties and resolve any punch list or close-out items in a timely manner.

Price to perform above specification is **\$34,990.00**. Amount due upon substantial completion. Price is good for thirty (30) days.

Additions:

Deteriorated plywood will be replaced at a cost of **\$3.00 per square foot**.



Deteriorated fascia will be replaced at a cost of **\$10.00 per square foot**.




SRI to provide a two (2) year workmanship warranty for the above specification. Manufacturer to provide a twenty (20) year labor and material warranty.

Ponding of water on existing roof will not be corrected by installing above roof system. Although we do not anticipate ponding, some ponding may occur by drains and scuppers. SRI will provide a price to eliminate ponding upon the owner's request.

Questions? SRI Estimator: [Jon Atkinson](#)

EXAMPLES OF OUR DIVERSE INSTALLATION EXPERIENCE AND QUALITY CRAFTSMANSHIP

Project	Reference	Picture
<p>Salt River Fields at Talking Stick 7555 N. Pima Rd. Scottsdale, AZ 85258</p> <p>2009</p>	<p>Zak Kinney MEP Engineer M. A. Mortenson Company 3100 W. Ray Rd., Suite 101 Chandler, AZ 85226 office (480) 839-5944 / mobile (360) 654-2262 Zak.Kinney@Mortenson.com</p>	
<p>Bluford Hall at Chandler-Gilbert Community College 7360 E. Tahoe Ave. Mesa, AZ 85212</p> <p>2014</p> <p><i>95,900 sq. ft. of foam recover of the Aviation Maintenance, Avionics, Aircraft Construction and Flight Training Program, classrooms and labs building</i></p>	<p>Jerry Brown Owner, Consultant, RRO WRECorp 6829 W. Corrine Dr. Peoria, AZ 85381 office (623) 878-7117 Jerry@wrecorp.com</p>	 
<p>Gainey Corporate Center 8777 N. Gainey Center Dr. Scottsdale, AZ 85258</p> <p>Nationwide Insurance: 2009</p> <p>GCC Phase I: 2013</p> <p><i>61,300 sq. ft. replacement insulated, tapered TPO</i></p> <p>Click to watch video</p>	<p>Kevin Klett Project Manager Nationwide Realty Investors 375 N. Front St., Suite 200 Columbus, OH 43215 office (614) 857-2351 / mobile (740) 497-8026 KlettK@Nationwide.com</p>	

Project	Reference	Picture
<p>Grand Canyon University Golf Course Clubhouse 5902 W Indian School Rd Phoenix, AZ 85033</p> <p>2016</p> <p><i>11,200 sq. ft. standing seam metal roof (new construction)</i></p>	<p>Butch Glispie Owner Pono Construction, LLC 515 East Carefree Hwy #1241 Phoenix, Arizona 85085 office (602) 999-8318 Butch@PonoLLC.com</p>	
<p>Integrated Device Technologies 1140 W. Warner Rd. Tempe, AZ 85284</p> <p>2016</p> <p><i>75,000 replacement with asphalt built-up of professional office space</i></p>	<p>Brandye Coley Real Estate Manager CBRE, Inc. 2415 East Camelback Road, Suite 100 Phoenix, Arizona 85016 office (602) 735-5237 Brandye.Coley@CBRE.com</p>	
<p>Arizona State Senate and House of Representatives 1700 W. Washington St. Phoenix, AZ 85007</p> <p>2015</p> <p><i>48,600 sq. ft. replacement of vented base sheet, insulation, tapering, foam, and high-tensile elastomeric coating</i></p>	<p>Scott Anderson Owner The SJ Anderson Company 4064 East Presidio Street, Suite 101 Mesa, Arizona 85215 office (480) 539-4187 Scott@TheSJAnderson.com</p>	



BAYSEAL[®] 2.7

Characterization

Bayseal 2.7 is a two-component closed-cell spray-applied polyurethane foam (SPF) system.

Properties / Applications

Bayseal 2.7 SPF offers high compressive strengths, smooth aesthetics and a broad application temperature window. The Bayseal 2.7 system is self flashing and provides protection by helping to seal cracks, crevices and holes while insulating decks from temperature extremes.

The Bayseal 2.7 spray polyurethane foam system comprises an "A" component or aromatic diisocyanate and a blended "B" component which includes polyols, fire retarding materials, and additives and HFC-245fa blowing agent. As with any product, use of Bayseal 2.7 foam-forming system must be tested (including, but not limited to, field testing) in advance by the user to determine suitability.

Storage Conditions

Material should be stored from 50°F to 80°F (10°C to 27°C) in a dry and well-ventilated area. Storage outside this range can affect shelf life and material performance. The material will need to be conditioned to between 70°F and 80°F (21°C and 27°C) prior to use. It takes approximately 48 hours in a heated area to condition all the material in a drum to the correct temperature.

Material temperature should be confirmed with a thermometer or an infrared gun. Do not configure equipment to recirculate Bayseal 2.7 system components from proportioner back into drum. Do not recirculate or mix other suppliers' "B" component into Bayseal 2.7 system containers.

CAUTION: If components are below suggested temperatures, the increased viscosity of the components may cause pump cavitation resulting in unacceptable SPF application. If components are above suggested temperatures, there may be loss of blowing agent resulting in diminished yield.



BAYSEAL[®] 2.7

Typical Physical Properties*

Properties*	Test Method	Value
Density	ASTM D-1622	2.7 lbs/ft ³ (Nominal)
Aged R-value ^b , 6 months	ASTM C-518	6.4 at 1 inch
		23.5 at 3.5 inch
Compressive Strength	ASTM D-1621	45 psi (Nominal)
Tensile Strength	ASTM D-1623	80 psi
Water Absorption	ASTM D-2842	< 2% by volume
Moisture Vapor Transmission:	ASTM E-96	1.0 perm-in
Dimensional Stability:	ASTM D-2126	
7 days at 158°F @ 100% R.H		<5%
7 days at 200°F @ 100% R.H		<5%
7 days at -20°F @ 100% R.H		<5%
Closed Cell Content	ASTM D-2856	> 90%
Surface Burning Characteristics ^a Flame Spread	UL 723	<75

* These items are provided as general information only. They are approximate values and are not part of the product specifications.

** Prepared on a Graco H-40, 60-ft of hose using a GX7 with no. 1 mix module and 90 PCD, stream temperatures 120-125°F, pressure 1000 psi (dynamic).

^a These numerical flame spread values are not a true reflection on how this or any material will perform in actual fire conditions.

^b The higher the R-value, the greater the insulating power. Ask your seller for the fact sheet on R-values.

Processing Equipment

2:1 transfer pumps are recommended for material transfer from container to the proportioner. The plural component proportioner must be capable of supplying each component within ± 2% of the desired 1:1 mixing ratio by volume. Hose heaters should be set to deliver 120°F to 135°F materials to the spray gun. These settings will ensure thorough mixing in the spray gun mix chamber in typical applications. Optimum hose pressure and temperature will vary with equipment type and condition, ambient and substrate conditions, and the specific application. It is the responsibility of the applicator to properly interpret equipment technical literature, particularly information that relates to the acceptable combinations of gun chamber size, proportioner output, and material pressures. The relationship between proper chamber size and the capacity of the proportioner's pre-heater is critical. Mechanical purge spray guns (specifically direct impingement or DI type) are recommended for highest foam quality.

CAUTION: Extreme care must be taken when removing and reinstalling drum transfer pumps so as NOT to reverse the "A" and "B" components.



BAYSEAL[®] 2.7

Processing Parameters and Physical Characteristics

Pre-Heater Temperature:	"A" and "B" 120° - 135°F
Hose Temperature:	"A" and "B" 120° - 135°F
Pressures:	1,000 - 1,500 psi (dynamic)*
Mix Ratio Parts:	1 to 1 volume "A" to "B"
Viscosity at 75°F	500 - 650 cps "B" Component
	150 - 250 cps "A" Component
Shelf Life	6 months @ 50°F to 80°F
Or With Measuring Capabilities at Gun:	
Material temperature at gun	"A" and "B" 100° - 120°F
Pressure at gun (w/in 15'	>800 psi

* Dependent upon hose length.

Product Reactivity Process Grade	Surface Temperature
Winter	45° - 65°F
Fall	55° - 80°F
Summer	Above 75°F

Environmental Consideration and Substrate Temperatures

Applicators must recognize and anticipate environmental conditions prior to application to ensure the highest quality foam and to maximize yield. Ambient air and substrate temperature, moisture, and wind velocity are all critical determinants of foam quality and selection of the appropriate reactivity formulation. Variations in ambient air and substrate temperature will influence the chemical reaction of the two components, directly affecting the expansion rate, amount of rise, yield, adhesion and the resultant physical properties of the foam insulation.

To obtain optimum results, Bayseal 2.7 system should be spray-applied to substrates when ambient air and surface temperatures fall within the range of 45°F and 120°F. All substrates to be dry at the time of application. Moisture in the form of rain, fog, frost, dew, or high humidity (>85%R.H.), will react chemically with the mixed components, adversely affecting the polyurethane foam formation, dimensional stability, and physical properties of the finished product. Application should not take place within 5°F of the dew point. Primers may be necessary dependant on conditions.

Wind velocities in excess of 12 miles per hour may result in excessive loss of exotherm and interfere with the mixing efficiency of the spray gun affecting foam surface texture, cure, and physical properties and will cause overspray. Precautions must be taken to prevent damage to adjacent areas from overspray.



BAYSEAL[®] 2.7

Per Lift Application

Applicators should apply a maximum pass thickness of 2 inches. Allow the surface temperature to cool to 100°F, or ambient temperature if higher than 100°F, between passes.

Handling Information

Applicators should ensure the safety of the jobsite and construction personnel by posting appropriate signs warning that all “hot work ” such as welding, soldering, and cutting with torches should not take place until a thermal barrier or approved equivalent is installed over any exposed polyurethane foam.

Additional Technical Reference

Construction Specification Institute Division 7 - Thermal and Moisture Protection
ICC- ES Evaluation Report ESR-1221
Bayseal Roofing Installation Guidelines

Health and Safety Information

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling this product. Before working with this product, you must read and become familiar with the available information on its risks, proper use, and handling. This cannot be overemphasized. Information is available in several forms, e.g., safety data sheets and product labels. For further information contact your Accella Polyurethane Systems representative.



DISCLAIMER: To the best of our knowledge, all technical data contained herein is true and accurate as of the date of issuance and subject to change without prior notice. User must contact Bayseal to verify correctness before specifying or ordering. We guarantee our products to conform to the quality control standards established by Bayseal. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of the product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY BAYSEAL EXPRESSED OR IMPLIED; STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.”

The information herein is to assist customers in determining whether our products are suitable for their applications. Customer assumes full responsibility for quality control, testing, and determination of suitability of product for its intended use or application. Accella warrants only that the material shall meet its specifications; this warranty is in lieu of all other written, expressed or implied warranties and Accella expressly disclaims any warranty of merchantability, fitness for a particular purpose, or freedom from patent infringement. Accordingly, buyer assumes all risks whatsoever as to the use of the material. Buyer’s exclusive remedy as to any breach of warranty, negligence or other claim shall be limited to the purchase price of the material. Failure to adhere to any recommended procedures shall relieve Accella of all liability with respect to the material or the use thereof.

Accella Polyurethane Systems
2400 Spring Stuebner Rd
Spring, TX 77377
United States
Tel. 1-800-221-3626





DIATHON®
ARIZONA, NEVADA, NEW MEXICO, &
SOUTHERN CALIFORNIA ONLY



QUICK SPEC

POLYURETHANE FOAM – DIATHON®

ARIZONA, NEVADA, NEW MEXICO, & SOUTHERN CALIFORNIA ONLY

NOTE: The following “Quick Spec” is an abbreviated specification and is not meant to replace the detailed specification. Read the entire 3-Part CSI System Specification prior to starting the project.

- | | |
|---------------------------------|---|
| Method | <ul style="list-style-type: none"> Spray, roller, or brush |
| Requirements | <ul style="list-style-type: none"> Moisture survey required. Roof must be clean, dry, and tight. Adhesion test required to ensure proper adhesion to substrate(s). Apply at 50°F (10°C) and rising with no rain, dew, fog or freezing temperatures in forecast for 24 hours. GAF recommends that the surface temperature be at or less than 110°F (43°C) during application. |
| Application Instructions | <ol style="list-style-type: none"> Conduct moisture survey and remove/replace all wet areas. Repair penetrations, flashings, curbs, and terminations with like materials. Power-wash roof. United Cleaning Concentrate (UCC) is recommended to clean the roof. Allow roof to completely dry. For recoat applications: Treat all splits, roof penetrations, drains, and curbs. Apply coating per the chart below: |

POLYURETHANE FOAM DIATHON® ARIZONA, NEVADA, NEW MEXICO, & SOUTHERN CALIFORNIA ONLY								
Warranty Term	Coating				Total		Warranty	
	Product (Choose one)	1st Coat (Gal/Sq)	2nd Coat (Gal/Sq)	3rd Coat (Gal/Sq)	(Gal/Sq)	DFT* (mils)	Emerald Pledge™	Diamond Pledge™
10 Year	Diathon® Diathon®QS	1.50	1.50		3.00	26	Yes	Yes
	Diathon® HT	1.50	1.50		3.00	25		
15 Year	Diathon® Diathon®QS	1.00	1.50	1.50	4.00	34	Yes	Yes
	Diathon® HT	1.00	1.50	1.50	4.00	33		
20 Year	Diathon® Diathon®QS	1.00	2.00	2.00	5.00	43	Yes	Yes
	Diathon® HT	1.00	2.00	2.00	5.00	42		

* DFT (Dry Film Thickness) is rounded to nearest mil. Actual DFT will vary dependent on substrate profile, application technique & waste factor. Primer/Base is not included in DFT calculations.