

March 4, 2016

CITY OF UNALASKA

REQUEST FOR QUOTES

**UNALASKA FACILITIES MAINTENANCE DIVISION
DEPARTMENT OF PUBLIC WORKS**

ANNUAL FLOORING SERVICES AGREEMENT

To Whom It May Concern:

The City of Unalaska, Department of Public Works, Facilities Maintenance Division, is requesting quotes for the **ANNUAL FLOORING SERVICES AGREEMENT**.

Quotes will be received through 2:00 p.m. on MARCH 29, 2016 at the Office of the City Clerk. Any quotes received after the time and date specified may not be considered. Submit quotes on Appendix A, QUOTE PROPOSAL FORM.

I. THE WORK

The Work shall include but not be limited to the following: furnishing all equipment, transportation, per diem, travel, and supplies to perform all scopes of work in connection with the **ANNUAL FLOORING SERVICES AGREEMENT**.

- A. Project Location(s):** The project location consists of various City of Unalaska Facilities and is not specific to any one location but varies as flooring services are needed.
- B. Owner:** City of Unalaska
- C. Scope of Work:** Refer to Appendix B

II. RELATED DOCUMENTS

Drawings, photographs (when required by work order), and General and Supplemental Conditions to the Agreement apply to this Section.

- Appendix A: Quote Proposal Form
- Appendix B: Scope of Work
- Appendix C: Highlighted Floor Plans
- Appendix D: Material Data Sheets
- Appendix E: Flooring Services Agreement

III. SUMMARY OF FLOORING SERVICES

The Work shall include but not be limited to the following: furnishing all equipment, transportation, per diem, travel, and supplies to perform all scopes of work in connection with the **ANNUAL FLOORING SERVICES AGREEMENT**. The Contractor shall complete the work described in the Work Order no later than the time specified by the City and as listed on the Work Order. An initial Work Order may be issued with the Notice to Proceed. If the Contractor does not complete the work within the date specified by the Work Order, liquidated damages will be assessed per Article 11.2 of the Agreement. The date specified on the Work Order will be agreed upon by the Facilities Maintenance Supervisor and the Contractor prior to the Work Order being issued.

IV SUBMITTALS

The Contractor shall submit all materials to be used in this project to the City for review and approval, prior to purchasing and shipping the materials.

V. FACILITIES MAINTENANCE SUPERVISOR

All work shall be subject to review and acceptance by the City's Facilities Maintenance Supervisor or his designated representative, who shall evaluate the Contractor's work for compliance with the Agreement. The Facilities Maintenance Supervisor has no duty to supervise or direct the performance of the work, nor any responsibility or liability for the acts or omissions of the Contractor or any subcontractor or supplier.

VI. SAFETY

- A. The Contractor shall do whatever work is necessary for overall project safety and be solely and completely responsible for conditions of the job site, including safety of all persons (including employees) and property during the Agreement period. This requirement shall apply continuously and is not limited to normal working hours.
- B. Safety provisions shall conform to Federal and State Departments of Labor Occupational Safety and Health Act (OSHA), and other applicable federal, state, and local laws, ordinances, codes, requirements set forth herein, and regulations. Where these are in conflict, the more stringent requirements shall apply. Contractor shall become thoroughly familiar with governing safety provisions and shall comply with the obligations set forth therein.
- C. The Contractor shall develop and maintain for the duration of the Agreement, a safety program that will effectively incorporate and implement required safety provisions. Contractor shall appoint a qualified employee who is authorized to supervise and enforce compliance with the safety program.
- D. The Owner's duty to conduct construction review of the Contractor's performance does not include a review or approval of the adequacy of Contractor's safety supervisor, safety program, or safety measures taken in, on, or near the construction site.

- E. As part of safety program, Contractor shall maintain at its office or other well-known location at the job site, safety equipment applicable to the Work as prescribed by governing safety authorities, and articles necessary for giving first aid to the injured. Establish procedures for the immediate removal to a hospital or a doctor's care of persons who may be injured on the job site.
- F. Contractor shall do all work necessary to protect the general public from hazards, including but not limited to equipment and operations.

VII. LICENSE REQUIREMENTS

The Contractor shall obtain a City of Unalaska business license prior to commencement of the Work to the extent required by the City of Unalaska Code of Ordinances section 9.30.010. Contractors and subcontractors, in order to perform public work in the State of Alaska, are required to hold State of Alaska Contractor's licenses of the class required to perform the specified work. Contractors and subcontractors are also required to hold current Alaska Business licenses in order to perform public work in the State of Alaska. Contractor's license and Business license numbers, including City of Unalaska business license number, shall be inserted in the appropriate place on the Quote form. Evidence of subcontractors' compliance with the above shall be submitted to the City before starting subcontract work on City Agreements.

VIII. INSURANCE

- A. Contractor agrees to furnish the City, before commencing any Physical Work related to this Agreement and as required elsewhere, the certificates of insurance as specified in these Documents. Contractor further agrees that the amount stated herein includes specific consideration for the insurance coverage's, including contractual liability, specified.
- B. The contractor shall carry and maintain throughout the life of this Agreement, at its own expense, insurance not less than the amounts and coverage herein specified, and the City of Unalaska, its employees and agents shall be named as additional insured under the insurance coverage so specified and where allowed, with respect to the performance of the work. There shall be no right of subrogation against the City or its agents performing work in connection with the work, and this waiver of subrogation shall be endorsed upon the policies. Insurance shall be placed with companies acceptable to the City of Unalaska; and these policies providing coverage thereunder shall contain provisions that no cancellation or material changes in the policy relative to this project shall become effective except upon 30 days prior written notice thereof to the City of Unalaska.
- C. Prior to commencement of the work, the contractor shall furnish certificates to the City of Unalaska, in duplicate, evidencing that the Insurance policy provisions required hereunder are in force. Acceptance by the City of Unalaska of deficient evidence does not constitute a waiver of Agreement requirements.
- D. The contractor shall furnish the City of Unalaska with certified copies of policies upon request. The minimum coverages and limits required are as follows:

1. Workers' Compensation insurance in accordance with the statutory coverages required by the State of Alaska and Employers Liability insurance with limits not less than \$1,000,000 and, where applicable, insurance in compliance with any other statutory obligations, whether State or Federal, pertaining to the compensation of injured employees assigned to the work, including but not limited to Voluntary Compensation, Federal Longshoremen and Harbor Workers Act, Maritime and the Outer Continental Shelf's Land Act.
2. Commercial General Liability with limits not less than \$1,000,000 per Occurrence and \$2,000,000 Aggregate for Bodily Injury and Property Damage, including coverage for Premises and Operations Liability, Products and Completed Operations Liability, Contractual Liability, Broad Form Property Damage Liability and Personal Injury Liability. Coverage shall not contain any exclusion of Explosion, Collapse, or Underground. Coverage is to be endorsed to include a per project aggregate. Additionally, such insurance shall be considered primary to any other insurance carried by the City of Unalaska and the insurer will endorse the policy accordingly.
3. Commercial Automobile Liability on all owned, non-owned, hired and rented vehicles with limits of liability of not less than \$1,000,000 Combined Single Limit for Bodily Injury and Property Damage per each accident or loss.
4. If applicable, Contractor's Equipment insurance covering all of the contractor's equipment and machinery to be used in connection with the performance of the work specified in this Agreement. This coverage requirement may be waived at the discretion of the City of Unalaska if the Contractor self-insures the equipment and will waive all right of recovery against the City of Unalaska in writing.
5. Umbrella/Excess Liability insurance coverage of not less than \$1,000,000 per occurrence and annual aggregate providing coverage in excess of General Liability, Auto Liability, and Employers Liability.
6. If work involves use of aircraft, Aircraft Liability insurance covering all owned and non-owned aircraft with a per occurrence limit of not less that \$1,000,000.
7. If work involves use of watercraft, Protection and Indemnity insurance with limits not less than \$1,000,000 per occurrence. Hull and Machinery coverage is to be carried on the vessel for the full current market value. This coverage requirement may be waived at the discretion of the City of Unalaska if the contractor self-insures the equipment and will waive all rights of recovery against the City of Unalaska in writing.
8. Where applicable, Professional Liability insurance with limits of not less than \$1,000,000 per claim and \$1,000,000 aggregate, subject to a maximum deductible of \$10,000 per claim. The City of Unalaska has the right to negotiate increase of deductibles subject to acceptable financial information of the policyholder.

9. Where applicable, Pollution Liability insurance with a project limit of not less than \$1,000,000 subject to a maximum deductible of \$10,000 to include coverage for Asbestos, Hazardous Materials, Lead or other related environmental hazards. The City of Unalaska has the right to negotiate increase of deductibles subject to acceptable financial information of the policyholder.

In the event Asbestos, Hazardous Materials, Lead or other related environmental hazards are transported by vehicle and/or marine vessel, the operator of such vehicles and vessels shall provide a Certificate of Insurance for the transportation of such materials (including loading and unloading) with limits of not less than \$1,000,000.

10. **Builder's Risk Insurance:** Coverage shall be provided on an "All Risk" completed value basis and protect the interests of the City, the contractor and his subcontractors. Coverage shall include all materials, equipment and supplies that are intended for specific installation in the project while such materials, supplies and equipment are located at the project site and in transit from port of arrival to job site and while temporarily located away from the project site.
- E. Any deductibles or self-insured retentions must be declared to and approved by the City. At the option of the City, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the City, its officers, officials, employees and volunteers; or the contractor shall provide a financial guarantee satisfactory to the City guaranteeing payment of losses and related investigations, claim administration and defense expense.
 - F. All insurance policies as described above except Professional Liability and Worker's Compensation are required to be written on an "occurrence" basis. In the event occurrence coverage is not available, the contractor agrees to maintain "claims made" coverage for a minimum of two years after project completion.
 - G. If the contractor employs second tier subcontractors to perform any work hereunder, the contractor agrees to require such subcontractors to obtain, carry, maintain, and keep in force during the time in which they are engaged in performing any work hereunder, policies of insurance which comply with the requirements as set forth in this section. This requirement is applicable to subcontractors of any tier.
 - H. The contractor is required to maintain all certificates of insurance during the course of the project and for a minimum of three (3) years following the completion of such project. It is further agreed, that upon request by the City of Unalaska, the Contractor will provide copies of any and all subcontractor certificates of insurance for review of compliance.
 - I. Failure by the Contractor to maintain the required insurance coverage or to comply with the above, may, at the option of the City of Unalaska, be deemed Defective Work and remedied in accordance with the Agreement.

IX. INDEMNIFICATION:

- A. The Contractor and his Subcontractors will name the owner as “Additional Insured” and will provide a "Waiver of Subrogation”.
- B. The Contractor shall indemnify, save harmless, and defend the City and its agents and its employees from any and all claims or actions for injuries or damages sustained by any person or property arising directly or indirectly from the Contractor’s performance of this Agreement; however, this provision has no effect if, but only if, the sole proximate cause of the injury or damage is the negligence of the City or its agents.

X. TIME OF COMPLETION

The Contractor shall complete all work associated with the initial term of this Agreement no later than June 30, 2016.

XI. STATUS OF WORK

The Contractor shall keep the City advised as to the status of work being done by the Contractor and the details thereof. The Contractor shall maintain coordination with representatives of the City. The City or Contractor may request and be granted a conference with the other party.

XII. MEASUREMENT AND PAYMENT

- A. Measurement: Measurement for Flooring Services shall be per man hour; travel cost and per diem per crew member, if applicable; and Contractor’s cost of materials required plus a 15% markup over cost for materials only. No compensation will be paid to the Contractor for the tools required for the work.
- B. Basis of Payments: Payments will be made under the following:

ITEM	UNIT
1. Labor for Flooring Services	\$/Per Man Hour
2. Travel Costs per round trip per Crew Member	\$/Each Round Trip
3. Per Diem and Lodging per Day per Crew Member	\$/Per Day
4. Material Allowance	\$10,000 Total

Note: The per hour cost for Item C is for all workers, foreman, supervision, mobilization, travel time, office management, overhead and markup required to complete the work in its entirety. Each individual laborer and foreman will be paid at the same hourly rate as quoted above. Only one hourly labor rate will be charged to the City for miscellaneous flooring work, as listed above (different rates will not be charged for different levels of workers such as laborer vs. foreman, etc.), as well as the cost (not retail price) of the materials, with a 15% markup for materials. The 15% markup will NOT be allowed for the hourly rate bid for flooring work (labor), travel costs, per diem, and lodging. The 15% markup is only for materials purchased that are authorized by the City, in advance of the work, and prior to the Contractor purchasing them. No compensation will be paid to the

Contractor for tools required for the work. All work shall be completed by licensed and qualified individuals only. The number of workers required for each Work Order shall be approved by the Facilities Maintenance Supervisor prior to the Contractor's mobilization of the workers for each Work Order. All materials shall be approved by the Facilities Maintenance Supervisor, prior to the Contractor purchasing them.

XIII. QUALIFICATIONS:

The Contractor shall have a minimum of 5 years of experience with projects consisting of the same scope of work and contract amount as this Agreement. The Contractor shall submit a list of successfully completed projects with the Request for Quotes, as well as contact names and numbers for the Owners of the work completed.

XIV. REQUIREMENTS:

The Contractor shall comply with all Alaska Department of Labor ("ADOL") requirements and pay all fees associated with setting up an ADOL account and complying with ADOL requirements and wages. Failure to comply with ADOL may result in payments being withheld by the City.

The Contractor shall comply with AS 36.10, as amended, which provides for preferential employment of Alaska residents.

QUOTE PROPOSAL

**CITY OF UNALASKA
REQUEST FOR QUOTES FOR CITY OF UNALASKA
DEPARTMENT OF PUBLIC WORKS
FACILITIES MAINTENANCE DIVISION
ANNUAL FLOORING SERVICES AGREEMENT**

(Contractor to Fill in and Submit to City)

ITEM NO.	UNIT	QUAN.	DESCRIPTION (Write Unit Bid Price in Words)	UNIT PRICE	TOTAL PRICE
1	\$/HR	160	LABOR FOR FLOORING SERVICES _____ _____ \$/Hour		
2	EA	10	TRAVEL COST (ROUND TRIP) FOR FLOORING SERVICES _____ _____ Each		
3	\$/DAY	30	PER DIEM AND LODGING FOR FLOORING SERVICES _____ _____ \$/Day		
4	ALLOWANCE	1	MATERIALS PURCHASED _____ _____ Lump Sum	\$10,000	\$10,000

Total Price Quote (items 1-4) in numbers: \$ _____

Total Price Quote (in words): _____

Quoting Company: _____

Name (Printed): _____

Signature: _____ Date: _____

Contractors License No. _____ Business License No. _____

SCOPE OF WORK

Work Specific to Floor Covering Replacement Projects FY16

All work to be done as per Manufacturer's Recommendations and in accordance with good industry practices and standards.

All colors to be chosen by owner's representative prior to commencement of work.

All furniture to be removed and replaced by the owner's facilities maintenance staff by schedule developed with contractor prior to commencement of work.

Contractor may be requested to work nights and weekends in order to allow normal facility operations to continue during construction to the greatest extent possible at some facilities.

Unalaska Community Center

- Project will replace 800 Sq. Ft. of existing 1st floor carpet tile with new Carpet Tile and 2700 Sq. Ft. of existing 2nd Floor Carpet Tile with new Carpet Tile.
- Remove existing carpet tile
- If Necessary: Remove wood wall base and save for reinstallation
- First floor only: Install Uzin Waterproof Membrane system using PE 460 Epoxy Primer Sealer, PE-280 Primer, & Uzin NC 170 Level Star leveling material (or equal). All preparation and installation to be completed as per manufacturer's instructions.
- Install new Carpet Tiles using Mohawk Group, Class Act Collection (or equal) and manufacturer's recommended adhesives over prepared floor substrates.
- If initially removed: Re-install wood wall base and touch up finish

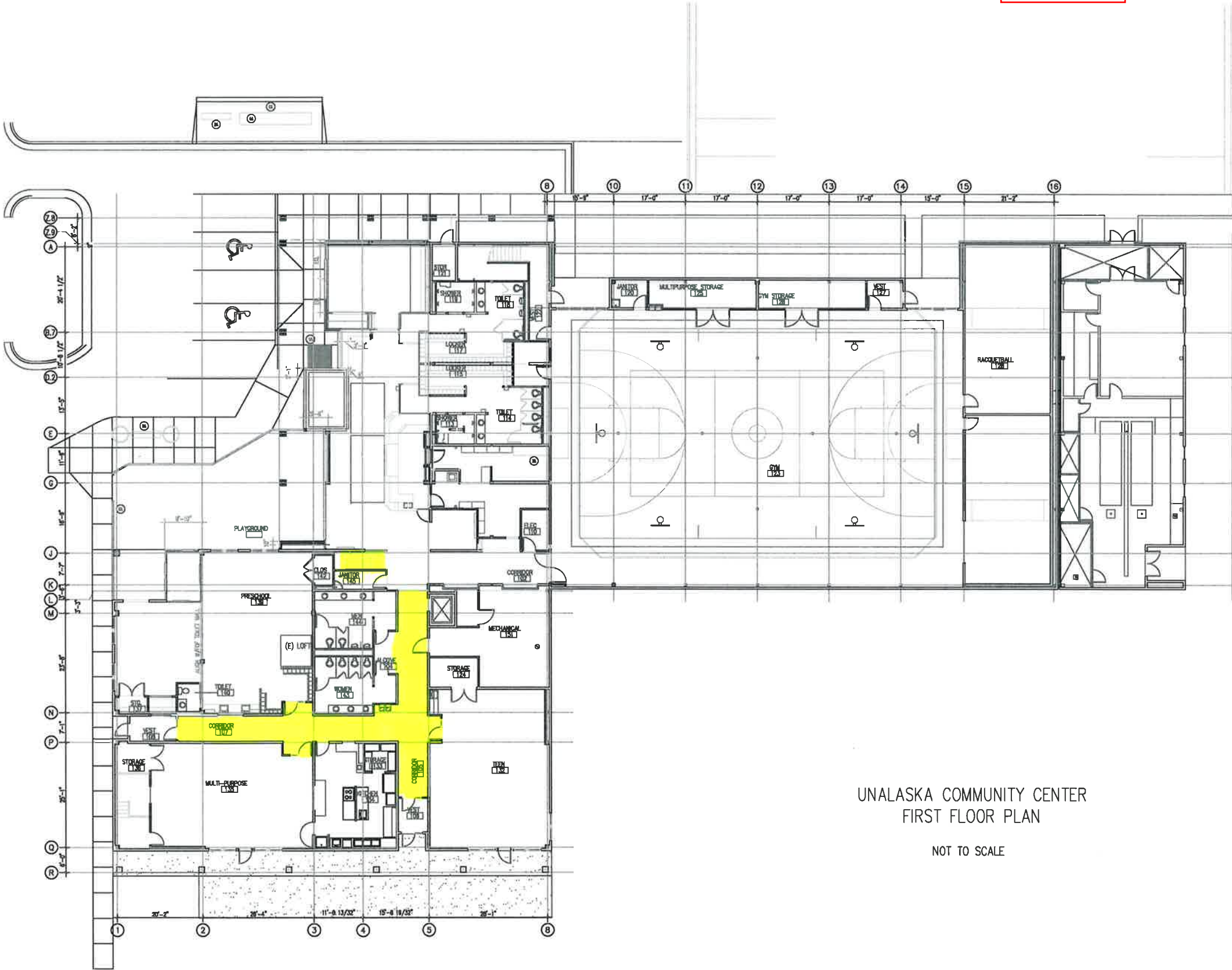
Unalaska Dept. of Public Safety Station 1

- Project will replace 1800 Sq. Ft. of existing 1st floor carpet tile with new carpet tile and 750 Lin. Ft. of 4" rubber wall/cove base.
- Remove existing carpet tile
- Remove existing rubber wall/cove base and repair wall surfaces to except new rubber base molding
- First floor only: Install Uzin Waterproof Membrane system using PE 460 Epoxy Primer Sealer, PE-280 Primer, & Uzin NC 170 Level Star leveling material (or equal). All preparation and installation to be completed as per manufacturer's instructions.
- Install new Carpet Tiles using Mohawk Group, Class Act Collection (or equal) and manufacturer's recommended adhesives over prepared floor substrates.
- Install new 4" rubber wall/cove base using 4" Roppe Rubber Wall/Cove Base (or equal) and manufacturer's recommended adhesives.

Burma Road Chapel

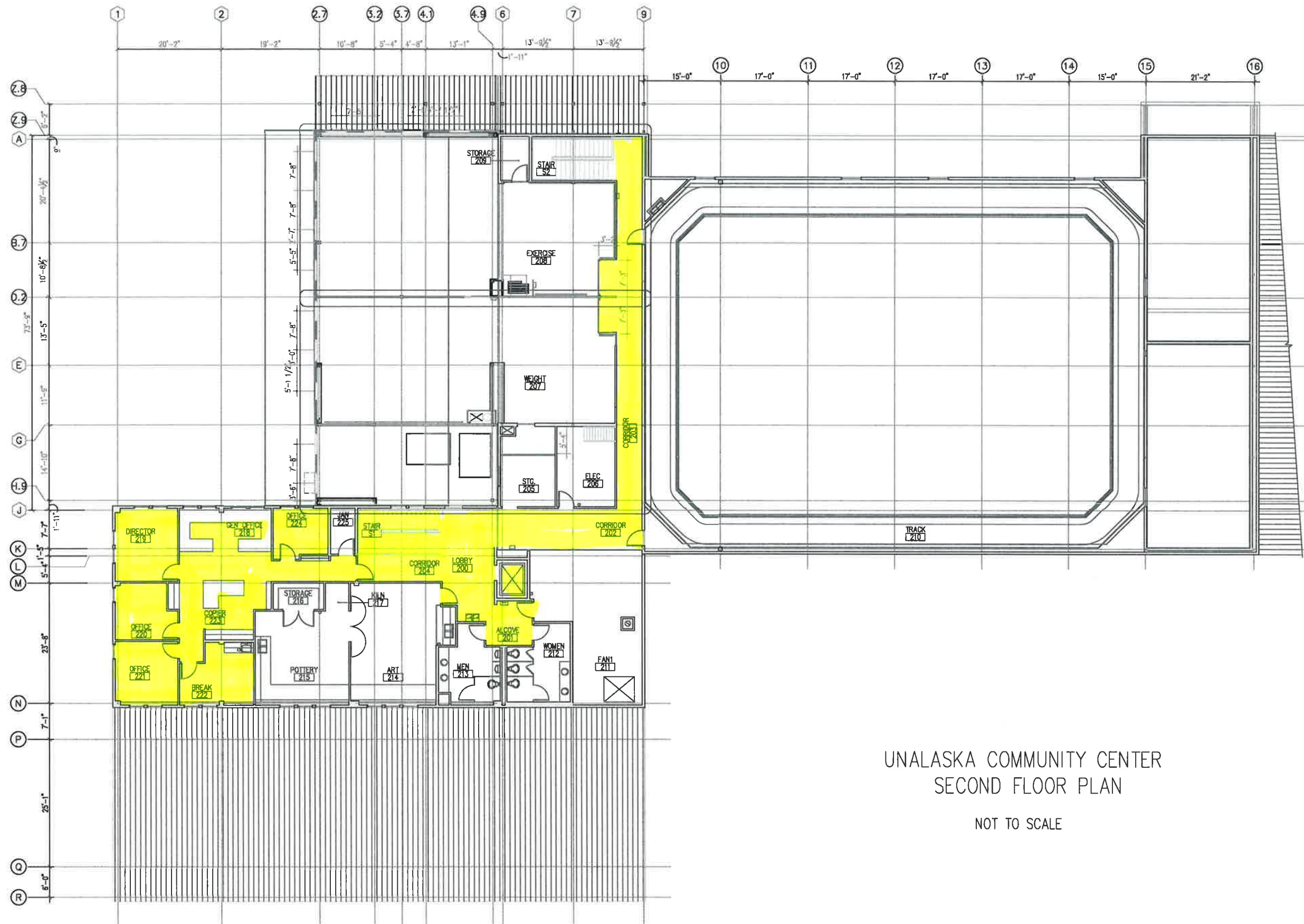
This project will install 1000 Sq. Ft. of new sheet vinyl floor covering over existing vinyl floor covering and 400 Lin. Ft. new rubber wall/cove base. It will also remove and re-install 121 Lin. Ft of existing wood wall base trim.

- Remove existing rubber wall/cove base and repair wall surfaces to except new rubber base molding
- Remove and retain for reuse, existing wall base over vinyl floors
- Prepare existing floor as necessary to receive new Vinyl floor coverings
- Install new vinyl floor coverings using Armstrong, Adobe Commercial Sheet Vinyl floor covering (or equal) with the manufacturer's recommended adhesives.
- Install new 4" rubber wall/cove base using 4" Roppe Rubber Wall/Cove Base (or equal) and manufacturer's recommended adhesives.
- Reinstall retained wood wall base and retouch finishes as needed



UNALASKA COMMUNITY CENTER
FIRST FLOOR PLAN

NOT TO SCALE



UNALASKA COMMUNITY CENTER
 SECOND FLOOR PLAN
 NOT TO SCALE

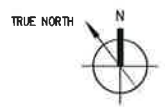


Unalaska Dept of Public Safety
Station 1

DRAWING FILE: W:\2011\11031.01 Burma road church as built for city of unalaska\dwg\11031.01_01.dwg
PLOT DATE: 9/6/2011 1:04 PM



A1
A1.01
FIRST FLOOR PLAN
1/4" = 1'-0"



Architects Alaska.
Architects Alaska, Inc.
architectsalaska.com
900 W 5th Ave, Suite 403
Anchorage, Alaska 99501-2029
907.272.3567 • 907.277.1732 fax
191 E Swanson Ave, Suite 203
Wasilla, Alaska 99654-7023
907.373.7503 • 907.376.3166 fax

CITY OF UNALASKA
AS-BUILTS OF BURMA ROAD CHAPEL
UNALASKA, ALASKA

Revisions		
No.	Description	Date

Drawn by wcb	Date 8/31/11
Checked AML	Job No. 11031.01

Sheet Contents
FIRST FLOOR PLAN

Category A	Sheet No. 1.01
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DRAWING FILE: s:\2011\1031.01 Burma road church on hill for city of unalaska\chc\1031.01 of 02.dwg
 PLOT DATE: 9/6/2011 1:05 PM



A1 SECOND FLOOR PLAN
 A1.02 1/4" = 1'-0"

Architects Alaska, Inc.
 Architects Alaska, Inc.
 architectsalaska.com
 900 W. 5th Ave. Suite 403
 Anchorage, Alaska 99501-2029
 907.272.3567 - 907.277.1732 fax
 191 E. Swanson Ave. Suite 303
 Wasilla, Alaska 99634-7025
 907.373.7303 - 907.376.3166 fax

CITY OF UNALASKA
AS-BUILT OF BURMA ROAD CHAPEL
 UNALASKA, ALASKA

Revisions		
No.	Description	Date

Drawn by WCS	Date 8/31/11
Checked AML	Job No. 11031.01

Sheet Contents
 SECOND FLOOR PLAN

Category A	Sheet No. 1.02
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Appendix D

700 Series Wall Base

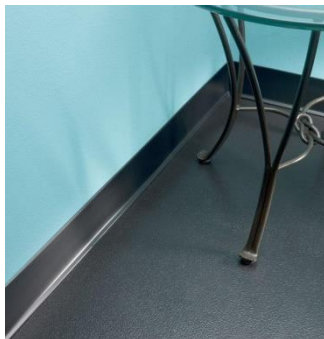
MADE IN THE USA

PRODUCT SUBMITTAL



1. MANUFACTURER

Roppe Corporation
1602 N. Union Street
P.O. Box 1158
Fostoria, Ohio USA 44830-1158
t: (419) 435.8546
tf: (800) 537.9527
f: (419) 435.1056
E-mail: sales@roppe.com
Internet: www.roppe.com



2. PRODUCT DESCRIPTION

Roppe 700 Series Wall Base is designed for use in both commercial and residential wall base applications. Easier to work with and providing more flexibility than vinyl base products, Roppe's unique blend of thermoplastic rubber and vinyl makes the 700 Series an attractive and economical choice for a variety of applications.

- Profile:** Standard No Toe
- Gauge:** 1/8" (3.2 mm)
- Height:** 4" (101.6 mm)
- Lengths:** 48" (1.22 m) Pieces & 120' (36.58 m) Coils
- Factory Corners:** Outside Corners with 3" (76.2 mm) returns



3. TECHNICAL DATA

PRODUCT CLASSIFICATION

- **ASTM F 1861, Resilient Wall Base** - Type TP, Group 2, Style A

FIRE TESTING INFORMATION

- **ASTM E 84 (NFPA 255), Surface Burning Characteristics** - Class A, FSI 25, SDI 40
- **ASTM E 648 (NFPA 253), Critical Radiant Flux** - Class 1, > .45 W/cm²
- **ASTM E 662 (NFPA 258), Smoke Generation** - Passes, < 450
- **CAN/ULC-S102.2, Surface Burning** – FSR 10, SDC 60

4. LIMITATIONS

Roppe 700 Series Wall Base is for indoor use only. Do not install on any surface exposed to moisture or extreme temperature changes. Do not install in areas subject to vegetable or petroleum based oils & greases. Fading can occur from extensive exposure to heavy direct or glass-filtered sunlight, or unfiltered ultra-violet rays.

5. INSTALLATION

Adhesive for Porous Substrates

1100 Wall Base Adhesive is a premium solvent free Acrylic adhesive with aggressive wet suction grip for all Roppe Wall Base products. Coverages are described on the 1100 Wall Base Adhesive quick spec.

Adhesive for Non-Porous Substrates

Use a premium contact adhesive for installation over all non-porous substrates such as metal, FRP panels, etc.

6. MAINTENANCE

Clean base with neutral pH cleaner and a soft wet cloth

7. AVAILABILITY AND COST

Products are available through Roppe distributors. Contact Roppe Customer Service (800) 537-9527 or visit www.roppe.com.

8. TECHNICAL ASSISTANCE

Technical service information and assistance may be obtained by calling Roppe Customer Service at 1-800-537-9527, or by visiting www.roppe.com.

9. SAMPLES

Obtain samples by calling Roppe Customer Service at 1-800-537-9527, or by visiting www.roppe.com.

10. LIMITED WARRANTY

Limited two (2) Year Manufacturer's Warranty

For complete substrate preparation, installation and/or maintenance instructions please visit www.roppe.com



attach color submittal

sample here





MODULAR SPECIFICATIONS

Style NumberGT091
 Style NameBy the Book Modular
 Construction-.....tufted
 Surface Texture.....textured multi-colored loop
 Gauge.....1/12 (47.00 rows per 10 cm)
 Density.....7,286
 Weight Density.....123,862
 Stitches Per Inch.....9.8 per inch (38.58/10 cm)
 Protective Treatment...DuraTech
 Finished Pile Thickness...084" (2.13 mm)
 Dye Method.....solution dyed/space dyed
 Backing Material.....EcoFlex ICT
 Fiber Type.....Duracolor® Premium Nylon with Antron®
Legacy
 Fiber TechnologyDuracolor® by LEES Stain Resistant System.
Passes GSA requirements for permanent
stain resistant carpet.
 Face Weight.....17 oz/yd2 (576.47 gm/m2)
 Size/Width24" x 24" (60.9 cm x 60.9 cm)
 Installation Method....brick ashlar, monolithic
 IAQ Green Label Plus..1098
 CRI Rating.....Severe Traffic
 Pattern RepeatNot Applicable
 WarrantiesLifetime Limited Modular Warranty, Lifetime
 Duracolor Stain Warranty, Lifetime Static



214
OUTSTANDING



218
EXPERT



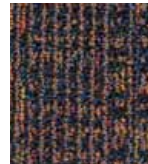
228
PROMINENT



311
PHENOMENAL



312
BRILLIANT



317
SAVVY



322
CLEVER



324
STRIKING



327
BRAINY



337
INGENIOUS



418
DISTINCTIVE



421
HOT SHOT

Designed for spaces where light commercial performance is needed but you want a home-like feel, Abode includes wood visuals, different stone-like options and warm textile designs. Excellent durability and a UV-cured urethane coating allows for low-maintenance options as well. Abode is perfect for dormitories, assisted living facilities and multi-family housing.

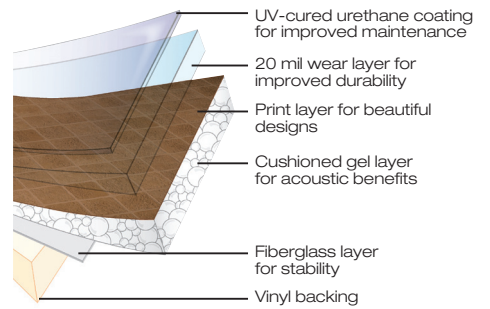
PRODUCT INFORMATION				
Construction	Light Commercial Sheet			
Product Line	Abode			
International Product Specifications	ASTM F 1303 Type I, Grade 1, Class B Backing			
Overall Thickness	0.080 in. (2.0 mm)			
Wear Layer Thickness	0.020 in. (0.5 mm)			
Finish	UV-cured Polyurethane			
Installation	Full Spread Adhesives – S-288 Premium, S-289 Releasable			
Seaming Option	S-761 Seam Adhesive			
Maintenance Options	Polish; No Polish – Spray Buff			
PACKAGING				
Roll Length	Up to 90 ft. (27.4 m)			
Width	12 ft. (3.6 m)			
Shipping Weight	4.3 lbs./sq. yd. (2.33 kg/m ²)			
PERFORMANCE	TEST METHOD	MINIMUM REQUIREMENT	PERFORMANCE VS. REQUIREMENT	
ASTM F 1303	Thickness	ASTM F 387	≥ 0.040 in.	Exceeds
	Wear Layer Thickness	ASTM F 410	min. 0.020 in.	Meets
	Residual Indentation	ASTM F 1914	≤ 0.012 in.	Exceeds
	Static Load Resistance @ 175 psi	ASTM F 970	≤ 0.005 in.	Exceeds
	Flexibility	ASTM F 137	≤ 0.25 in., no cracks or breaks	Exceeds
	Chemical Resistance	ASTM F 925	No more than slight change in surface dulling, attack or staining	Meets or Exceeds
	Resistance to Heat	ASTM F 1514	ΔE ≤ 8	Exceeds
	Resistance to Light	ASTM F 1515	ΔE ≤ 8	Exceeds
Supplementary	Fire Test Data – Flame Spread	ASTM E 648	0.45 watt/cm ² or more Class I	Meets
	Fire Test Data – Smoke Evolution	ASTM E 662	450 or less	Meets
	Fire Test Data – Canada	CAN/ULC S102.2	Use dependent	Flame Spread – 210 Smoke Develop – 435
	Static Load Limit – Subjective Visual	ATM F 970	No visually apparent indentation	175 psi
	Certified Low Emitting Product	LEED EQ4.3	Meets Guidelines	Meets
	Certified Low Emitting Adhesive	LEED EQ4.1	Meets Guidelines	Meets
	Indoor Air Quality	FloorScore™	Meets Certification Guidelines	Certified
Indoor Air Quality	CHPS 01350	Meets Certification Guidelines	Certified	
WARRANTY				
15-Year Light Commercial Warranty when installed in accordance with Armstrong's Guaranteed Installation Systems manual, F-5061.				
LINKS				
Installation Instructions – www.armstrong.com/pdbupimages/194597.pdf				
Maintenance Information – www.armstrong.com/pdbupimages/197964.pdf				
View the full line – www.armstrong.com/commflooringna/products/sheet/abode/_/N-67sZ1z141tx				
Email Techline – www.armstrong.com/commflooringna/contact_techline.jsp				

ABODE™
Light Commercial Sheet

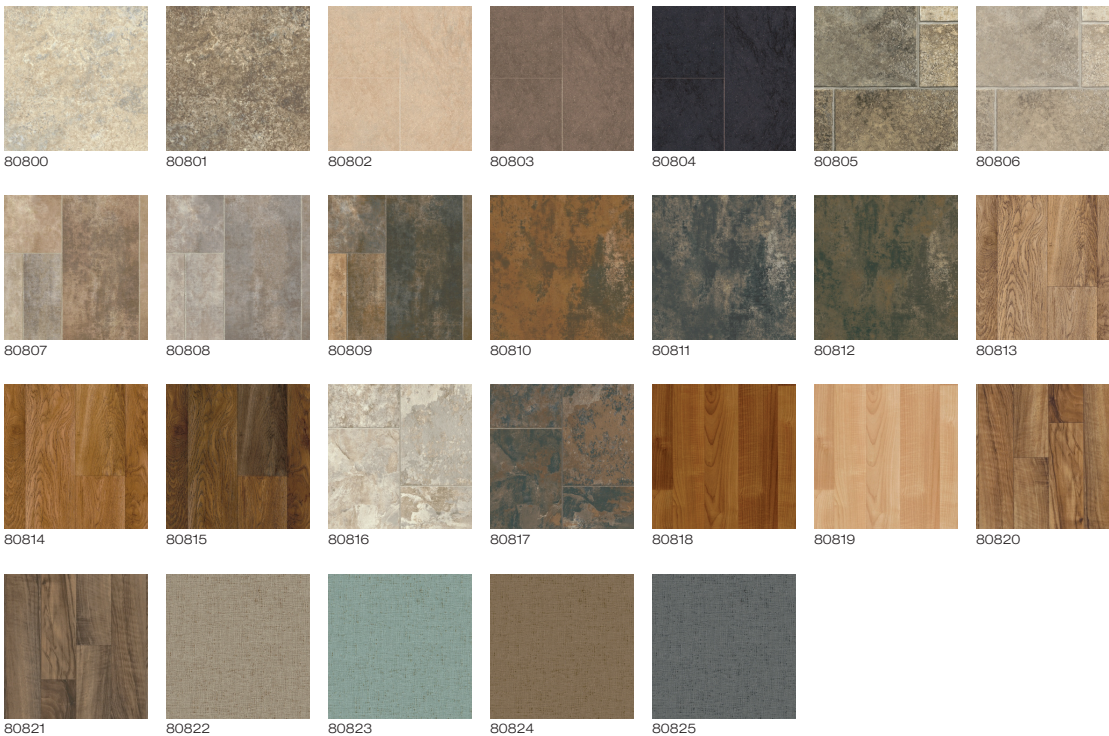


Sustainability Facts

Serving Abode	As Served
Certified to meet LEED® EQ Credit: Low Emitting Interiors	✓
Adhesives	
Certified to meet LEED EQ Credit: Low Emitting Interiors	✓
FloorScore™ Certified to CDPH Standard Method V1.1-2010	✓
Collaborative for High Performance Schools CHPS-IEQ2.2 & LABS-21 IEQ4.3	✓
U.S. Green Building Council Member	✓
Canada Green Building Council Member	✓



Abode





Premium Self Leveling Compound

UZIN NC 170 LevelStar

Self-drying cementitious leveling compound. Provides extremely smooth finish without depth limitations.

Description:

Premium low stress, self leveling underlayment and smoothing compound for all types of interior floor covering work. May be used as a topping provided a suitable wear surface sealer or coating is applied. For interior use only.

Suitable for/on:

- ▶ Producing level, absorbent, flat and smooth surfaces for virtually all types of floor coverings including wood, carpet, sheet vinyl, VCT, PVC, linoleum, cork, rubber, polyolefin, ceramic tile and natural stone
- ▶ A smoothing layer over structurally sound concrete above, on or below grade, in new construction or renovation projects. May be used over cast in place or precast concrete
- ▶ A smoothing layer over existing hard surface flooring such as well bonded terrazzo, ceramic tile, stone and well bonded epoxy coatings
- ▶ New, structurally sound, OSB underlayment or equally rated subfloor materials
- ▶ Existing substrates, including thin and dense non water soluble adhesive residues on concrete including cutback adhesive residues (see "Important Notes")
- ▶ High stress loads in residential, commercial and industrial locations, such as hospitals, shopping centers and industrial facilities
- ▶ Radiant floor heating systems, (hydronic or electric)

Product Properties:

Highly modified polymer premium leveling compound with special raw material technology known as the Level Plus Effect. The Level Plus Effect with super condensers provides exceptional flow characteristics and a very smooth, uniform surface appearance promoting an increased adhesive coverage rate. The special advantage of UZIN NC 170 LevelStar is the ideal combination of multipurpose use, the best application properties, highest strength development and load bearing capacity. UZIN ÖkoLine® is a system of tested and approved installation materials based on the principles of neutral odor and clean indoor air (see "Protection of the Workplace and the Environment").

Composition: Special cements, mineral fillers, polyvinyl acetate copolymers, flow agents and additives.



Features

- Level Plus Effect
- No depth limitation
- Pumpable
- Fast setting
- Very smooth surface
- Low stress
- Shear resistant under wood flooring
- Very high compressive and tensile strengths
- Exceptionally fine aggregates
- Significantly longer working time
- Meets strict EMICODE EC 1 R PLUS criteria
- Compliant with California Sect. 01350 specification

Benefits

- Superior flow characteristics
- Very versatile
- Minimizes time and effort
- Accelerates floor covering installation
- Improves adhesive coverage rate
- Ability to cover difficult substrates
- Suitable for all glue down wood applications
- Exceeds most flooring requirements for suitable surface
- Allows NC 170 LevelStar to obtain a true feather edge and can be used as a skim coat
- Greater jobsite flexibility
- Healthy indoor air quality
- LEED V4 contributing product

Technical Data

Packaging:	50 lb. (22.7 kg) paper bag
Storage:	minimum 6 months
Water ratio:	refer to product packaging
Color:	grey
Coverage rate: (approx.)	30 sq. ft. at 1/4" depth per 50 lb. bag (2.78 m ² at 6 mm depth per 22.7 kg bag) actual coverage may vary depending on substrate conditions
Working temperature:	min. 60°F (16°C) at floor level
Working time:	20 – 30 minutes*
Set to foot traffic:	after approx. 2 hours*
Ready for covering:	after approx. 15 hours*
Compressive strength	5300 psi after 28 days (ASTM C109M-12)
Flexural strength	1100 psi after 28 days (ASTM C348-08)

* At 70 °F (21 °C) and 65% relative humidity. Depth of application and surface porosity will affect dry time.

Substrate Preparation:

The subfloor must be structurally sound, solid, dry, free from active cracks, clean and free of all contaminants such as grease, oil, paint, wax, curing and sealing compounds that would impair adhesion. Test the substrate in accordance with applicable standards relative to moisture content. Any weakly bonded or soft surface material such as loose adhesive residues, leveling compounds, floor coverings or coatings must be removed by shot blasting, abrading, grinding or wet scraping. Thoroughly vacuum off all loose material or dust. **CAUTION: Do not sand or grind adhesive residue, as harmful dust may result. Inhalation of asbestos dust may cause asbestosis or other serious bodily harm. Refer to the Resilient Floor Covering Institute's publication "Recommended Work Practices for Removal of Resilient Floor Coverings" for instructions.** Select a suitable primer from the UZIN Product Guide according to surface type and condition or seek technical assistance. Allow primers to dry thoroughly. As with all polymer modified cements, it is always recommended to test for moisture content of the existing substrate to ensure that it meets the floor covering manufacturer's requirements. Cement based products are not designed to be used as moisture barriers. Moisture mitigation must be addressed prior to the application of UZIN NC 170. Select a suitable UZIN moisture vapor retarder.

Before applying UZIN NC 170 over plywood/OSB flooring, the use of UZIN RR 201 substrate reinforcing mesh is required on top of the primed surface. UZIN NC 170 must be installed to a minimum 1/4" (6 mm) depth over UZIN RR 201 (please see UZIN RR 201 product data sheet for additional installation instructions). Excessive movement within the subfloor may lead to hairline cracks at plywood joints.

For additional information regarding subfloor preparation, please refer to the UZIN "Substrate Preparation Guide".

Application:

1. Pour required amount of cold, clean water into a clean container (refer to product packaging for water ratio). Slowly pour in the powder whilst stirring vigorously for 60 seconds or until blended to a viscous lump free consistency. Use a heavy-duty drill with the UZIN leveling compound mixer attachment (minimum 650 rpm). Do not overwater.
2. Pour the mix onto the primed substrate and distribute evenly with an UZIN Smoothing Trowel or the UZIN Gauge Rake. For thicker coats or when using a smoothing trowel, flow and surface finish can be improved by using the UZIN Spike Roller. Where possible, apply to the desired depth in one application. A minimum depth of 1/8" (3 mm) is required for exposure to castor wheels and on non absorbent surfaces. When applying over UZIN 1-component polyurethane or 2-component epoxy moisture vapor retarder, always prime surface with UZIN PE 280 or grit bind with sand.

Refer to the floor covering manufacturer regarding the maximum allowable substrate moisture content and qualify the substrate prior to installing UZIN NC 170 LevelStar.

Always install adequate test areas including the finish flooring, to determine the suitability for the intended use. As floor coverings vary, always contact and rely upon the floor covering manufacturer for specific directives, such as maximum allowable moisture content, adhesive selection and intended end use of the product.

Leveling Application Tools:



Important Notes:

- ▶ Storage: minimum 6 months in original packaging when stored in dry conditions. Tightly reseal opened packaging and use the contents as quickly as possible.
- ▶ UZIN NC 170 LevelStar contains Portland Cement. See: "Protection of the Workplace and the Environment".
- ▶ Optimum application conditions are 60 – 77°F (16 – 25°C) and relative humidity below 65%. Low temperatures, high humidity and greater depth will delay, while high temperatures and low humidity will accelerate the setting, drying and readiness for installation of finish floor covering. In summer, store in cool conditions and mix with cold water.
- ▶ Expansion, movement and wall connection joints must be honored through the floor covering. Where necessary, fit UZIN Expansion Strips to any structures to prevent the mix from flowing into connection joints. For depths greater than 1/4" (6 mm) expansion strips are highly recommended.
- ▶ Pumpable using continuous feed mixer pumps.
- ▶ For information regarding sand extension with UZIN NC 170 LevelStar, please call the UZIN Technical Dept.
- ▶ Minimum 1/8" (3 mm) depth is required for exposure to castor wheels.
- ▶ If pouring multiple layers of leveling compound, allow product to completely dry. Apply UZIN PE 260 diluted 1:3 as an intermediate primer between applications. Allow UZIN PE 260 to dry to a clear, transparent, almost tack free film (refer to the UZIN PE 260 product data sheet for dry times). Once primer has dried, apply next layer of UZIN NC 170 LevelStar. Each subsequent layer should not exceed the depth of the previous layer.
- ▶ For depths greater than 1/2" (12.5 mm) on surfaces that are moisture sensitive or weak (old adhesive residues), first apply a suitable UZIN 2-component epoxy moisture vapor retarder gritted with a broadcast of sand.
- ▶ Do not use in exterior or wet areas.
- ▶ On substrates with old cutback adhesive residues, it is recommended to remove as much residue as possible by mechanical means before coating with an UZIN Primer. Call the UZIN Technical Dept. for assistance.
- ▶ **NOTE:** Complete mechanical removal of cutback adhesive such as shot blasting, grinding or sanding can be hazardous as old adhesive may contain asbestos. Do not sand or grind adhesive residues. Harmful dust may result. Inhalation of asbestos dust may cause asbestosis or other serious bodily harm. Please consult applicable government agencies for rules and regulations concerning removal of flooring or adhesives containing asbestos. The use of solvents or adhesive removers are never recommended.
- ▶ Protect freshly applied leveling compounds from drafts, direct sunlight and direct sources of heat.
- ▶ The following standards, regulations and notices are applicable and especially recommended:
 - ASTM F710-11 "Standard Practice for Preparing Concrete Floors To Receive Resilient Flooring".
 - ASTM C109M-12 "Test method for compressive strength of hydraulic cement mortars"
 - ASTM F1869-11 "Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride"
 - ASTM F2170-11 "Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes"

Protection of the Workplace and the Environment:

PRECAUTIONS:

CAUTION: Irritant. Contains cement. Keep out of reach of children. Cement produces strong alkaline on reaction with water. Avoid contact with skin and eyes. When mixing wear a protective dust-mask. Use protective gloves and wear safety glasses or goggles.

FIRST AID: In case of skin or eye contact, rinse thoroughly and immediately with water. In the event of skin or eye irritation, obtain medical treatment. Observe safety information on product label as well as MATERIAL SAFETY DATA SHEET (MSDS). Presents no physiological or ecological risk when fully cured. EMICODE EC 1 R PLUS – very low emission – healthy indoor air quality.

WARNING: This product contains chemicals (crystalline silica) known to the state of California to cause cancer and birth defects, or other reproductive harm.

DOT UN-Number: Not regulated

Hazard Class /PG: Not regulated

Disposal:

Dispose of empty packaging according to local, state and federal regulations. Hardened product residues are considered construction waste. Therefore collect waste material, mix with water and allow to harden, then dispose of as construction waste. Empty paper bags are recyclable.

The above information is based on our experience and testing. UFLOOR Systems is not responsible for the variety of associated materials and variable construction and working conditions that occur on jobsites. The quality of your work depends on your own professional judgment and product usage. If in doubt of any application recommendation or instruction, conduct a small test or obtain technical advice. Observe the installation recommendations of the floor covering manufacturer. The publication of this Product Data Sheet invalidates all previous product information.

UZIN. YOUR FLOOR. OUR PROMISE.

Dries in Only
45 Minutes



Super-Fast Primer

UZIN PE 280

Dispersion primer with carbon fiber technology for smooth and dense surfaces

Description:

A very low emission, film forming primer for use over non water soluble adhesive residues and leveling compounds. Also used as a bonding agent on dense and smooth surfaces or directly onto UZIN epoxy and polyurethane (PU) based primers.

Suitable for/on:

- ▶ Existing surfaces in need of refurbishment, such as well bonded, non water soluble adhesive residues including cutback adhesive and as a primer prior to application of leveling compounds
- ▶ Dense and smooth surfaces, on soundly bonded ceramic and natural stone tiles, terrazzo, water resistant coatings, epoxy coatings or metal surfaces
- ▶ Epoxy primers, such as UZIN PE 480 or on PU primers, such as UZIN PE 414 Turbo
- ▶ Radiant floor heating systems

Product Properties

Dispersion primer/bonding agent with carbon fiber technology that produces a rough, well keyed surface. This Super Fast primer is impressive for its exceptional speed and ideal adhesion to the substrate.

Composition: Modified styrol acrylate copolymers, wetting and defoaming agents, preservatives, carbon fibres, synthetic and mineral aggregates, water.



LEED®
CONTRIBUTING
PRODUCT

Features

- Very fast drying
- Superior bonding capability
- Ready to use
- Solvent free
- Very low emissions

Benefits

- Reduces labor cost, leveling can begin in less than one hour
- Can be used over UZIN PE 414 & PE 480
- No mixing required
- Water based – non flammable
- Meets strict EC 1 PLUS criteria, compliant with California Sect. 01350 Standard, SCAQMD Rule #1168, may qualify for LEED credits

Technical Data:

Packaging:	plastic pails
Shelf life:	minimum 12 months
Sizes:	1.1 gal (5 kg) 2.6 gal. (12 kg)
Color:	yellowish
Coverage rate:	510 – 780 sq. ft. per 1.1 gal unit/ 1,200 – 1,850 sq. ft. per 2.6 gal pail
Working temperature:	min. 50 °F (10 °C) at floor level
Frost resistance:	28 °F (– 2 °C), 5 cycles
Drying time	ready for coating after 45 minutes*
VOC Content:	VOC compliant – does not exceed 20 grams per liter (SCAQMD Rule #1168)

*At 70 °F (21 °C) and 65 % relative humidity. See also "Applications Chart".

Carbon Fiber Technology

UFLOOR
SYSTEMS

UFLOOR Systems Inc. | toll free 866-505-4810 | 720-374-4810
14509 E. 33rd Place, Unit G, Aurora CO 80011 | ufloorsystems.com

Substrate Preparation:

The subfloor must be structurally sound, solid, dry, free from active cracks, clean and free of all contaminants such as grease, oil, paint, wax, curing and sealing compounds that would impair adhesion. Test the substrate in accordance with applicable standards relative to moisture content. Any weakly bonded or soft surface material, such as loose adhesive residues, leveling compounds, floor coverings or coatings must be completely removed by shot blasting, abrading, grinding or wet scraping. Thoroughly vacuum off all loose material or dust. Caution: Do not sand or grind adhesive residue, as harmful dust may result. Inhalation of asbestos dust may cause asbestosis or other serious bodily harm.

Refer to the Resilient Floor Covering Institute's publication "Recommended Work Practices for Removal of Resilient Floor Coverings" for instructions. Thoroughly vacuum off all loose material or dust.

Ensure adhesive residues are non water soluble. Water soluble adhesives must be completely removed or use UZIN PE 480 or UZIN PE 414 prior to application of PE 280.

Refer to the Product Data Sheets for other products used.

Application:

1. Before use, allow containers to come to room temperature and stir well.
2. Apply a thin, even coat over the entire surface area using an UZIN Nylon fiber roller.
3. Clean tools with water immediately after use.

Recommended Application Tools



Important Notes:

- ▶ Shelf life minimum 12 months in original container when stored in relatively cool conditions. Protect from freezing. Tightly reseal opened containers and use the contents as quickly as possible. Material diluted with water must be used within a few days.
- ▶ Optimum application conditions are 60 – 77 °F (16 – 25 °C), floor temperature above 60 °F (15 °C) and relative humidity below 65 %. Low temperatures and high humidity extend, while high temperatures and low humidity shorten the drying time.
- ▶ When applying more than one application of leveling compound, allow each layer to dry completely and then prime with UZIN PE 260. When primer coat is dry, apply the next layer of leveling material.
When using UZIN PE 280 as a bonding agent on non porous surfaces, the maximum depth of leveling material is 1/2".
- ▶ When applying leveling compounds at greater than 1/2" depth, an epoxy resin primer such as UZIN PE 480 with broadcast of sand is required.
When priming over water soluble adhesive residues, use UZIN PE 480 or UZIN PE 414 Turbo with a broadcast of sand.
- ▶ The following standards, regulations and notices are applicable and especially recommended:
 - ASTM F710-11 "Standard Practice for Preparing Concrete Floors To Receive Resilient Flooring"
 - ASTM C109M-12 "Test method for compressive strength of hydraulic cement mortars"
 - ASTM F1869-11 "Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride"
 - ASTM F2170-11 "Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes"

Protection of the Workplace and the Environment:

Water based primer, with a VOC content less than 20 grams per liter. Suitable as a substitute material for high solvent content primers used for subfloor preparation.

PRECAUTIONS:

CAUTION: Keep out of reach of children. Avoid contact with eyes and skin.

FIRST AID: In case of skin or eye contact flush with water. Seek medical attention if irritation persists. If swallowed, obtain medical treatment immediately. Use of protective gloves (rubber) and safety glasses is recommended.

Observe safety information on product label as well as material safety data sheet (MSDS). When fully dried, has a neutral odor and presents no physiological or ecological risk. EMICODE EC 1 PLUS – very low emission.

Disposal:

Disposal should be in accordance with local, state and federal regulations. Where possible, collect product residues and reuse. Do not allow into drains, waterways or landfill. Empty plastic or metal containers are recyclable.

The above information is based on our experience and testing. UFLOOR Systems is not responsible for the variety of associated materials and variable construction and working conditions that occur on jobsites. The quality of your work depends on your own professional judgment and product usage. If in doubt of any application recommendation or instruction, conduct a small test or obtain technical advice. Observe the installation recommendations of the floor covering manufacturer. The publication of this Product Data Sheet invalidates all previous Product Information.

No Limit on
Moisture

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Moisture Vapor Retarder / Primer

UZIN PE 460

Two component epoxy resin moisture vapor retarder and surface hardening primer.

Description:

A two component epoxy resin moisture vapor retarder for concrete substrates with high residual moisture. UZIN PE 460 can also be used as a surface hardener for absorbent substrates and as a bonding agent. For interior and exterior use.

Suitable for / as:


- ▶ A vapor **retarder** for high residual moisture on scarified, very dense or smooth concrete.
- ▶ A **surface hardening primer** on absorbent substrates, such as gypsum products and concrete
- ▶ A **bonding agent** on abraded ceramic tile, stone and terrazzo surfaces, existing substrates with well bonded adhesive residues, smoothing compounds and coatings including water-soluble adhesive residues
- ▶ Fast-track installations with the addition of UZIN Epoxy Accelerator* (3.5 hr. dry time)
- ▶ Radiant floor heating systems (obtain technical advice)

*At 70°F (21°C) and 65% relative humidity.

Product Properties:

A high quality, rapid setting moisture vapor retarder/primer, for use over a wide range of substrates. The rapid setting property of UZIN PE 460 allows for very fast substrate preparation for floor covering installations. UZIN PE 460 is packaged in a 2.5 gal. metal combi-can that incorporates two containers. The top container (part B) is the liquid hardener. The bottom container (part A) is the resin. Both container contents must be thoroughly mixed in order to make UZIN PE 460 work as intended. UZIN PE 460 is a very low emission product, certified in accordance with EMICODE EC 1 R PLUS.

Composition: Polyamine-hardened epoxy resin.



UZIN Moisture Mitigation System
UZIN PE 460 is one product in the "UZIN Moisture Mitigation System". When used with UZIN PE 280 primer and UZIN NC 170 LevelStar self leveling compound, this system offers you not only peace of mind, but also a lifetime warranty against moisture vapor related failures when properly installed.*
*Subject to certain requirements.

"Fast-track" installations (see reverse for details)

Set to foot traffic/load bearing:
Temperature: 70°F (21°C) and 65% relative humidity
Time: (approx.) 3.5 hrs.



LEED®
contributing
product

Features

- Water and solvent free
- Water and frost resistant
- Chemical resistant
- Meets strict Emission EC 1 R PLUS criteria
- Compliant with California Sect. 01350 specification
- Low VOC, less than 10 g/L
- Meets SCAQMD Rule # 1168
- Compliant with ASTM E96
- Compliant with ASTM F3010

Benefits

- Easy application, very low odor
- Excellent protection from the elements
- Resistant to contamination from other products
- Healthy indoor air quality
- LEED v4 contributing product (EQc2 - low emitting materials)
- Protects the environment
- LEED v4 contributing product (EQc2 - low emitting materials)
- Meets standard test methods for water vapor transmission of materials
- Meets standard practice requirements for moisture mitigation systems under resilient floor coverings

Technical Data:

Packaging:	2.5 gal. (10.053 kg) metal combi-can
Storage:	minimum 12 months
Color:	brown
Coverage rates:	
One coat application:	approx. 270 sq. ft. (25 m ²) per pail, on CSP 3
Two coat application:	approx. 270 sq. ft. (25 m ²) per pail (1st coat) on CSP 3 approx. 540 sq. ft. (50 m ²) per pail (2nd coat) actual coverage may vary depending on substrate conditions
Working temperature:	min. 60°F (16°C) at floor level
Pot life:	10 – 15 minutes*
Working time:	25 – 30 minutes*
Set to foot traffic/ load bearing:	Temperature: 50°F (10°C) 68°F (20°C) 86°F (30°C) Time: (approx.) 21 hrs. 8 hrs. 5 hrs.
Effect of pH 14 solution (ASTM D1308)	No effect
Flammability:	Self-extinguishing over concrete
Hazard features:	see "Protection of the Workplace and the Environment"

*At 70°F (21°C) and 65% relative humidity.

Subfloor Preparation:

The subfloor must be structurally sound, solid, free from active cracks, surface dry (no standing or pooling water) clean and free of all contaminants (bond breakers) such as grease, oil, paint, wax, curing and sealing compounds which may impair adhesion. Test the subfloor in accordance with applicable standards with regard to overall jobsite conditions. The substrate surface must provide a good key to accept UZIN PE 460 Epoxy application. Any weakly bonded or soft surface material, such as loose adhesive residues, leveling compounds, floor coverings or coatings must be removed by shot blasting, abrading, grinding or wet scraping. Thoroughly vacuum off all loose material or dust. **Caution: Do not sand or grind adhesive residue, as harmful dust may result. Inhalation of asbestos dust may cause asbestosis or other serious bodily harm. Refer to the Resilient Floor Covering Institute's publication "Recommended Work Practices for Removal of Resilient Floor Coverings" for instructions.**

For additional information regarding subfloor preparation, please refer to the UZIN "Substrate Preparation Guide".

Application:

UZIN PE 460 can be applied in a one or two coat application when used as a moisture vapor barrier (see: Application Methods).

- Before use, allow the metal combi-can to acclimate to room temperature. Remove the small black plastic clip from the metal band, positioned between the top and bottom containers. Unfasten the metal band and dispose of. Using a screwdriver or similar long pointed object, pierce the plastic plug on the top of the metal combi-can (container: part B). Ensure that object used pierces through both the plastic plug and the base of the top container (part B), do this several times to create holes that will allow the top container contents (liquid hardener: part B) to drain completely into the bottom container contents (resin: part A). Do not twist or bend piercing object from side to side as it will distort the base of top container (part B) preventing all the liquid hardener from draining in to the bottom container (part A) NOTE: It is very important that all the hardener is completely mixed into the UZIN PE 460 resin. **DO NOT MIX PART QUANTITIES**
- Remove the now empty top container (part B) and dispose of appropriately. Thoroughly mix solution in the bottom container (part A) using a heavy-duty drill fitted with an UZIN Spiral Mixer attachment (drill speed >300 rpm should be maintained for a minimum of 2 minutes) Avoid high speed mixing to prevent entraining air into solution.
- After mixing solution in the metal container (part A), empty entire contents into a separate clean plastic container (UZIN Mixing Bucket, 8 gal.) ensuring that all of the solution around the base and walls of the original metal container (part A) is incorporated. Now mix the solution for a second time (drill speed > 300 rpm should be maintained for a minimum of 1 minute).
- Immediately after mixing, pour the entire contents of UZIN PE 460 out of the plastic container, on to the substrate (See "Important Notes – Caution").
- Spread UZIN PE 460 evenly across the substrate using your chosen application method. **One coat application** of UZIN PE 460 requires material to be installed using either a notched squeegee or UZIN Ergostar trowel with a B2 notch blade insert. Standard concrete prepared to CSP 3 should be coated with UZIN PE 460 at 108 sq. ft. per U.S. gal. (10 m²) UZIN PE 460 moisture vapor retarder must be installed at a uniform layer thickness of at least 14 mils (0.1 perms). After application immediately back roll material (90 degrees to the direction of squeegee / trowel coat) using an UZIN Nylon Fiber Roller pre-saturated in UZIN PE 460 solution. Seal the entire surface as missed spots will make the material ineffective. To minimize possible air entrapment roll material at a smooth even pace. NOTE: A two coat application is always recommended on highly absorbent or very porous substrates. When applying leveling compounds on UZIN PE 460 at depths of no more than 1/2" (12.5 mm) always use UZIN PE 280 Super-Fast Primer. When applying leveling compounds on UZIN PE 460 at depths greater than 1/2" (12.5 mm) always install using the "two coat" application method. **Two coat application** of UZIN PE 460 requires material to be installed using an UZIN Nylon Fiber Roller for each surface coat. When the first surface coat is dry to accept foot traffic, apply the second coat rolled at 90 degrees to the direction of the first coat (not later than 24 – 36 hours). To visually differentiate between the two coats, mix approximately 3 ozs. of UZIN Epoxy Colorant (red color) into the second coat solution. You must gritbind by broadcasting sand over the second coat of UZIN PE 460 while it is still wet. Liberally spread clean, dry sand, # 20 (ASTM U.S. Sieve Number) approx. coverage 160 sq. ft (15 m²) per 100 lb. bag (45 kg) After the application has set, brush and vacuum off any loose sand. Always use the sand broadcast system when installing Hardwood Flooring (over UZIN leveling compounds).
- Clean tools immediately after use with mineral spirits. Hardened material can only be removed by mechanical means.

"Fast-track" installations (using UZIN Epoxy Accelerator)

FOR EXPERIENCED USE ONLY

To accelerate the setting process of UZIN PE 460, up to 2 bottles of UZIN Epoxy Accelerator per 2.5 gal. container can be added. The Accelerator will shorten the working time to 10 minutes and allow for covering after approx. 3.5 hours, at 70°F (21°C) and 65% relative humidity.

Attention: The addition of UZIN Epoxy Accelerator is recommended for experienced use only. Limited working time must be closely observed. Higher temperatures will shorten pot life considerably.

Important Notes:

Caution: Epoxy materials can become extremely hot and may react by foaming in the container approx. 20 – 30 min after mixing, especially when there is more than 20 % of mixed product left in the container. UZIN PE 460 solution must not be left unattended in the container after mixing. If all of the UZIN PE 460 contents are not emptied from the second mixing container (see "Application" instruction # 4) it is very important that this be moved outdoors immediately to allow any residues to react. Always wear personal protective equipment when handling this material.

- Concrete subfloors should be at least 3 days old and visually dry before applying UZIN PE 460. In order to guarantee a strong mechanical bond, make sure the substrate surface is clean and surface texture provides a good key. A two coat application is always recommended on highly absorbent or very porous substrates.
- For direct bonding of UZIN wood flooring adhesives over UZIN PE 460 and if 48 hours have passed since the second coat application, the surface must be abraded with a 40 or 60 grit abrasive on a rotary sander to ensure a good adhesive bond.
- Storage: minimum 12 months in original packaging when stored in relatively cool, dry conditions. In cold conditions, the material can thicken and be difficult to apply.
- Optimum working conditions are 60°F – 77°F (16 – 25°C). Low temperatures may make application more difficult, decrease coverage rate and strongly influence setting. High temperatures shorten the pot life and setting time. The material and floor temperatures must be min. 60°F (16°C).
- Excessive moisture in moisture-sensitive subfloors such as plywood, OSB or gypsum based products must not be coated for moisture mitigation.
- UZIN PE 460 must be gritted with clean, dry sand, # 20 (ASTM U.S. Sieve Number) or primed with UZIN PE 280 when covered with any leveling material or mortar product (see: "Application Methods")
- While substrate porosity can affect application appearance, it does not affect the product performance.
- This product is designed to reduce moisture vapor transmission from concrete substrates. It will NOT prevent damage to the flooring caused by lack of moisture control from other sources. All other sources of moisture caused by leaks, broken pipes, poor drainage, subsurface hydrologic factors, etc., must be eliminated prior to installation.
- The following standards, regulations and notices are applicable and especially recommended:
 - ASTM F710-11 "Standard Practice for Preparing Concrete Floors To Receive Resilient Flooring".
 - ASTM C 109 modified "Test method for compressive strength of hydraulic cement mortars"
 - ASTM F1869-11 "Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride"
 - ASTM F2170-11 "Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes"

Protection of the Workplace and the Environment:

PRECAUTIONS: Component A: Caution: Irritant, contains epoxy resins.

Component B: Caution: Corrosive, contains amine hardener.

Both Components: Keep out of reach of children. Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact. When mixing both components and during application, ventilate well and use barrier cream, protective gloves and goggles. Local, state and national legislation shall be followed.

FIRST AID: In case of skin contact, wash thoroughly with water and soap. For eye contact, flush immediately with large amounts of water, for at least 15 minutes and obtain medical treatment. If swallowed, obtain medical treatment immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the product label where possible).

Observe safety information on product label as well as material safety data sheets (MSDS) for component A and B. Once cured, has a neutral odor and presents no physiological or ecological risk.

DOT UN-Number: Comp. A: UN 3082*, Comp. B: UN 2735

Hazard Class/PG: Comp. A: 9/III*, Comp. B: 8/II

* Not regulated under DOT. In accordance with 49 CFR 171.22 this material will be transported in the U.S. as described, marked and labeled in accordance with the IMDG Code.

Disposal:

Disposal should be in accordance with local, state or national regulations. Where possible, collect product residues and re use. Do not allow into drains, watercourses or landfill. If all of the UZIN PE 460 contents are not emptied from the second mixing container (see "Application" instruction # 4) it is very important that this be moved outdoors immediately to allow any residues to react. Once residues have hardened, dispose of container as Construction Waste. Always wear personal protective equipment when handling this material (see hazard label and SDS). Empty, drip free metal containers are recyclable.

The above information is based on our experience and testing. UFLOOR Systems is not responsible for the variety of associated materials and variable construction and working conditions that occur on jobsites. The quality of your work depends on your own professional judgment and product usage. If in doubt of any application recommendation or instruction, conduct a small test or obtain technical advice. Observe the installation recommendations of the floor covering manufacturer. The publication of this Product Data Sheet invalidates all previous Product Information.

**Section 00500
STANDARD FORM OF AGREEMENT
BETWEEN THE OWNER AND CONTRACTOR**

THIS AGREEMENT is dated as of the _____ day of _____ in the year 2016, by and between the City of Unalaska (hereinafter called OWNER) and _____ (hereinafter called CONTRACTOR).

OWNER and CONTRACTOR, in consideration of the mutual covenants hereinafter set forth, agree as follows:

Article 1. WORK

CONTRACTOR shall complete all work as specified or indicated in the Contract Documents. The work is generally described as follows:

The work will include, but not be limited to, furnishing all plant, labor, tools, equipment, and materials and performing all operations in connection with painting at miscellaneous City Facilities for the **FY16 ANNUAL FLOORING SERVICES AND 3-YEAR RENEWABLE CONTRACT**.

Project Location(s): The following projects require Flooring in FY16:

- A. Burma Road Chapel-Replace existing vinyl floor coverings W/new rubber sheet flooring, 1000 sq. ft. of interior floor space
- B. Unalaska Community Center –Remove existing carpet tiles & replace with new carpet tile, 3450 sq. ft. of interior floor space
- C. City of Unalaska Department of Public Safety –Remove existing carpet tile and replace with new carpet tile, 2250 sq. ft. of interior floor space
- D. Miscellaneous Hourly floor covering Services

Additional locations will be painted under the term contract as directed.

The Contract Documents which comprise the entire agreement between OWNER and CONTRACTOR concerning the WORK consists of the following:

- Agreement
- Invitation to Bid
- Instructions to Bidders
- Bid Forms
- Performance Bond
- Payment Bond
- General Conditions
- Supplementary Conditions

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- Addenda numbers _____ to _____, inclusive.
- Change Orders which may be delivered or issued after Effective Date of the Agreement and not attached hereto.
- Drawings
- Specifications

Article 2. CONTRACT TIME

- 2.1 This contract is for one year with 2 additional one-year renewals to be exercised at the sole discretion of the City of Unalaska. The CONTRACTOR shall complete all work associated with the initial term of this quote no later than **June 30, 2016**.
- 2.2 Renewals, if exercised by the City, shall be completed by June 30th annually for work identified in FY17 and FY18
- 2.3 Liquidated Damages. The OWNER and CONTRACTOR recognize that time is of the essence of this Agreement and that the OWNER will suffer financial loss if the work is not completed within the times specified above, plus any extensions thereof allowed in accordance with Article 11 of the General Conditions. These types of losses are difficult to quantify. They also recognize the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by the OWNER if the work is not completed on time. Accordingly, instead of requiring any such proof, the OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay the OWNER Zero Dollars (\$100.00) for each day that expires after the time specified above for completion and readiness for final payment.

Article 3. CONTRACT PRICE

- 3.1 The OWNER shall pay CONTRACTOR for completion of the work for FY16 projects in accordance with the Contract Documents, an amount equal to the sum of the Lump Sum prices for each separately identified item including any Additive Alternate Items plus the sum of any Unit Price work items multiplied by the measured quantity of actual items installed (herein referred to as the "Contract Sum").
- 3.2 The Contract sum for FY16 is based upon the Bid Items which are set forth in the Contract Documents and which are hereby accepted by the OWNER.
- 3.3 Renewal options. Renewals will be on an annual basis not to exceed two (2) one-year renewals on the same terms and conditions set forth in the original Agreement, subject to mutual agreement on lump sum prices for each renewal period. Exercise of the renewal option will be made at the sole discretion and election of the City.

Article 4. PAYMENT PROCEDURES

CONTRACTOR shall submit Applications for Payment in accordance with Article 13 of the General Conditions. Applications for Payment will be processed by the OWNER as provided in the General Conditions.

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4.1. Progress Payments. The OWNER shall make progress payments on account of the Contract Price on the basis of CONTRACTOR's Applications for Payment on or about a day of the month mutually agreeable to the OWNER and CONTRACTOR as agreed to at the preconstruction conference. All progress payments will be on the basis of the progress of the work measured by the actual installed quantity of items, plus allowances for stockpiled materials.

4.1.1. Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below, but, in each case, less the aggregate of payments previously made and less such amounts as the OWNER shall determine, or the OWNER may withhold, in accordance with Article 13 (paragraph 13.8) of the General Conditions and the Supplemental Conditions.

- a. Ninety percent of work completed.
- b. Once 50 percent of the work is complete as determined by the OWNER, and if the character and progress of the work have been satisfactory to the OWNER, the OWNER, may determine that, as long as the character and progress of the work remain satisfactory to them, there will be no additional retainage on account of work completed; in which case, the remaining progress payments prior to Substantial Completion will be in an amount equal to 100 percent of the work completed.

4.1.2. Upon Substantial Completion, in an amount sufficient to increase total payments to CONTRACTOR to 95 percent of the Contract Price, less such amounts as the OWNER shall determine, or the OWNER may withhold, in accordance with Article 13 of the General Conditions.

4.2. Final Payment. Upon final completion and acceptance of the work in accordance with the General Conditions; Affidavit of Payment of Debts and Claims; ADOL Release; Affidavit of Release of Liens; and Receipt of Consent of Surety Company to Final Payment, the OWNER shall pay the remainder of the Contract Price as provided in said Article 13.

4.2.1 Deductions. The City may deduct from the amount of any payment made to Contractor any sums owed to City by Contractor including, but not limited to, past due sales tax, port and harbor fees, property tax, or rent. Before making any such deduction the City shall have provided Contractor written notice of the amount claimed by City to be due and owing from Contractor.

Article 5. INTEREST ON RETAINAGE

All retainage shall bear interest at the rate required by AS 36.90.250, if applicable.

Article 6. CONTRACTOR'S REPRESENTATIONS

In order to induce the OWNER to enter into this agreement, CONTRACTOR makes the following representations:

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- 6.1. CONTRACTOR has familiarized itself with the nature and extent of the Contract Documents, work, site, locality, and all local conditions and Laws and Regulations that in any manner may affect cost, progress, performance, or furnishing of the work.
- 6.2. CONTRACTOR has obtained and carefully studied (or assumes responsibility for obtaining and carefully studying) all such examinations, investigations, explorations, tests, reports, and studies which pertain to the subsurface or physical conditions at or contiguous to the site or which otherwise may affect the cost, progress, performance, or furnishing of the work as CONTRACTOR considers necessary for the performance or furnishing of the work at the Contract Price, within the Contract Time, and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of paragraph 4.2 of the General Conditions; and no additional examinations, investigations, explorations, tests, reports, studies, or similar information or data are or will be required by CONTRACTOR for such purposes.
- 6.3. CONTRACTOR has reviewed and checked all information and data shown or indicated on the Contract Documents with respect to existing Underground Facilities at or contiguous to the site and assumes responsibility for the accurate location of said Underground Facilities. No additional examinations, investigations, explorations, tests, reports, studies, or similar information or data in respect of said Underground Facilities are or will be required by CONTRACTOR in order to perform and furnish the work at the Contract Price, within the Contract Time, and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of paragraph 4.4 of the General Conditions.
- 6.4. CONTRACTOR has correlated the results of all such observations, examinations, investigations, explorations, tests, reports, and studies with the terms and conditions of the Contract Documents.
- 6.5. CONTRACTOR has given the OWNER written notice of all conflicts, errors, or discrepancies that it has discovered in the Contract Documents and the written resolution thereof by the OWNER is acceptable to CONTRACTOR.

Article 7. MISCELLANEOUS

- 7.1. Terms used in this Agreement which are defined in Article 1 of the General Conditions will have the meanings indicated in the General Conditions.
- 7.2. The CONTRACTOR shall submit the Performance Bond, Labor and Material Payment Bonds, and Certification of Insurance and City of Unalaska business licenses and all Subcontractor City of Unalaska business licenses as required by the Contract Documents, prior to commencement of the Work. The Performance and Material Payment Bonds shall be in the amount of 50% of the contract bid price.

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- 7.3. No assignment by a party hereto of any rights under or interests in the Contract Documents will be binding on another party hereto without the written consent of the party sought to be bound; and specifically but without limitation monies that may become due and monies that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.
- 7.4. OWNER and CONTRACTOR each binds itself, its partners, successors, assigns, and legal representatives to the other party hereto, its partners, successors, assigns, and legal representatives in respect of all covenants, agreements, and obligations contained in the Contract Documents.

IN WITNESS WHEREOF, The OWNER and CONTRACTOR have signed all counterparts of this Agreement. All portions of the Contract Documents have been signed or identified by the OWNER and CONTRACTOR.

This Agreement will be effective on _____, 2016.

CONTRACTOR .

CITY OF UNALASKA, ALASKA

By: _____
 _____, Its _____

By: _____
 David A. Martinson, City Manager

State of Alaska)
) ss.
 Third Judicial District)

State of Alaska)
) ss.
 Third Judicial District)

The foregoing instrument was acknowledged before me on the ____ day of _____, 2016, by _____, the _____ of _____, a _____ Corporation, on behalf of the corporation.

The foregoing instrument was acknowledged before me on the ____ day of _____, 2016, by David A. Martinson, City Manager for the City of Unalaska, a First Class Alaska Municipal Corporation, on behalf of the City of Unalaska.

 Notary Public, State of _____
 My Commission Expires _____

 Notary Public, State of Alaska
 My Commission Expires _____

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