



CONTRACT DATA SHEET

Monroe County Division of Purchasing
200 County Office Building, Rochester NY 14614

TITLE: CORROSION RESISTANT PRODUCTS & SERVICES

CONTRACT EXTENSION #3

CONTRACT #: 1119-12 (4700006936)

CONTRACT DATES: 01/01/2013 - 12/31/2016

BUYER: Greg Hart
PHONE: 585-753-1135
FAX: 585-324-1379

VENDOR(S): Corrosion Products & Equipment, Inc.
110 Elmgrove Park
Rochester, NY 14624
p: 585-247-3030
F: 585-247-7268

Contact: Rob Tortorella, President
Email: rob@corrosion-products.com

Contract is extended through 12-31-2016.
New Rate for Laborer, line item 3, will be \$61.00/hr.
All other line items remain unchanged.

Greg Hart
Buyer

XC: BP FILE
VENDOR
S. WILCOX

TERMS AND CONDITIONS

BID ITEM: **CORROSION RESISTANT PRODUCTS & SERVICES**

FOR: **VARIOUS AGENCIES**

DEPARTMENT CONTACT: **Steve Christensen (585)753-7505**

DUPLICATE COPIES: **PLEASE SUBMIT YOUR BID IN DUPLICATE; THE ORIGINAL AND ONE (1) COPY.**

BID INFORMATION: At the time of bid, the bidder shall supply detailed specifications covering the item(s) contained herein and shall clearly indicate any areas in which item or items offered do not fully comply with the specifications contained herein.

SUBMITTAL OF FORMAL PROPOSAL: Bid proposal must be legible and submitted in the original form, bearing an original signature. **EMAILS AND FACSIMILES ARE NOT ACCEPTABLE.**

All bidders must submit proof that they have obtained the required **Workers' Compensation** and **disability benefits** coverage or proof that they are exempt.

SPECIFICATION ALTERATIONS: Specifications will be construed to be complete and be considered the entire description of the goods or services upon which Monroe County is now seeking bids. **Only formal written addenda can materially alter this set of specifications.** No verbal statement made by a Monroe County employee or anyone else is binding nor shall such statement be considered an official part of this public bid proposal.

WAGE RATES: Contractor agrees to comply with the provisions of the New York State Labor Law relating to the payment of prevailing wage rates to the extent that such rules may be applicable to the Contractor. Wage rates may be obtained at www.labor.state.ny.us.

QUANTITIES: The quantities listed on the unit price sheet are the **estimated total requirements.** These estimates should not be construed to represent guaranteed maximum or minimum quantities to be purchased during the contract period. All unit prices bid will be extended for the actual number of units serviced.

QUALIFIED BIDDER: Each bidder must be prepared to present satisfactory proof of his capacity and ability to perform this contract. Such proof may include, but is not limited to, an inspection of the bidder's facilities and equipment, financial statements, references and performance of similar contracts. **The Purchasing Manager reserves the right to reject any bid where the bidder cannot satisfy the County as to their ability to perform. Monroe County reserves the right to reject any and all bids** if the Monroe County Purchasing Manager deems said action to be in the best interest of Monroe County.

EMERGENCY WORK REQUESTS:

The Contractor must maintain a telephone contact twenty-four (24) hours per day, seven (7) days per week for Emergency Work Requests.

METHOD OF AWARD:

Monroe County intends to award a contract to the lowest responsive and responsible bidder based on the **Total**. Bidders must bid on every item in order to be considered. The County reserves the right to reject any and all bids if the Purchasing Manager deems said action to be in the best interest of the County.

CONTRACT TERM:

Contract will start with the date of the contract award and run through **December 31, 2013** with the option to renew the contract up to four (4) additional twelve (12) month periods at the mutual consent of both parties.

PRICE CHANGES:

Price changes may be proposed by either party no later than forty-five (45) days prior to contract extension, based upon manufacturer price changes which must be supported with documentation. Should price changes not be acceptable to both parties, the contract will not be extended. Prices may change only at the time of extension

MINIMUM ORDER:

No minimum order is specified for this contract. Agencies must be able to order as needed. **Political subdivisions and others authorized by law may participate in this contract.**

DELIVERY:

All deliveries to be F.O.B. Monroe County to agency as specified by a Purchase Order. Delivery costs must be built into the unit prices bid. Deliveries must be made within **two (2) weeks** after receipt of purchase order number. The County reserves the right to terminate the contract in the event the specified delivery time is not met.

PURCHASE ORDER ISSUANCE:

No work shall proceed against nor shall any items be delivered against this contract until the Contractor has received a purchase order or a purchase order number. **Items supplied or services rendered that are not part of this contract will not be paid for by Monroe County.**

MATERIAL SAFETY DATA SHEET:

Vendor must supply Material Safety Data Sheet (MSDS) for all pertinent materials included within this bid. Such requests shall include, but not be limited to, pre-award analysis, as well as requests by all using agencies subsequent to award.

DESCRIPTIVE LITERATURE:

The Low Bidder should be prepared to submit complete manufacturer specification sheets for the items on the Unit Price Sheet **only if requested** by the County to aid in the bid review process. The specification sheets must be clearly marked with the item from the Unit Price Sheet.

WRITTEN ESTIMATES:

In every instance that the Contractor anticipates that an emergency job may cost \$1000.00 or more, the Contractor must, prior to commencing work, give a written estimate for the work to the department, at no charge to the ordering agency. The estimate must show labor and materials cost. The County reserves the right to independently purchase any equipment or supplies needed to execute an emergency job. The Contractor may not proceed with the work until approval is given by the department. If the estimate is considered too high, the County maintains the option of obtaining open market quotations, providing materials or changing the scope of the work. The County maintains the right to cancel a request.

BILLING PROCEDURE:

All invoices for items sold any authorized agency as a result of this contract must be billed in the following manner: Purchase Order #, Quantity, Description of Item Purchased, Stock or Catalog #, List Price, Discount, Extension and Total. **ALL INVOICES MUST BE MARKED WITH THE PURCHASE ORDER NUMBER. INVOICES WITHOUT THIS INFORMATION WILL NOT BE PROCESSED FOR PAYMENT.**

WARRANTY/GUARANTEE:

All warranties by manufacturer shall apply. Bidder shall, as part of its proposal, furnish its warranty/guarantee for all goods/services to be furnished hereunder. As a minimum, Bidder shall warrant all goods for a period of one (1) year from date of acceptance. Bidder shall be obligated to repair or replace all defects in material or workmanship which are discovered or exist during said period. All labor, parts and transportation shall be at Bidder's expense.

SECURITIES AND INSURANCE:

Any Certificate of Insurance, Bonds or other forms of security required by this bid are to be submitted to the Purchasing Manager no later than ten (10) normal business days following the date of notification of award. Documents must be received by the close of business, 5:00 PM, on that day.

UNCONTEMPLATED PURCHASES:

Monroe County reserves the right to request separate bids for such quantities of items on this contract that may be best procured via separate public bid offering and to otherwise act in furthering its own best interests.

COMPLIANCE WITH THE LAW:

The Contractor agrees to procure all necessary licenses and permits. The Contractor shall comply with all laws, rules and regulations pertaining to the payment of wages and all other matters applicable to the work performed under this contract.

SUBCONTRACT:

The Contractor shall not subcontract any work without first obtaining the written consent of the Purchasing Manager of Monroe County.

RELATED ITEMS:

The County reserves the right to add related items to this contract during the contract term upon agreement by both parties as to the price. Approval must be given in writing by the Purchasing Manager or her Designee.

REPORT OF PURCHASE:

The Contractor must, upon request, provide the County purchasing Manager with detailed information showing how much of each item was delivered, to any and all agencies under this contract. This includes deliveries to not only the County but any other municipality or agency which orders from this contract.

OTHER AGENCIES:

The Contractor(s) **must** honor the prices, terms and conditions of this contract with political subdivisions or districts located in whole or in part within Monroe County. In addition, the contractor **may**, but is not required to, extend the prices, terms and conditions of this contract to any political subdivision or district located in New York State. Usage of this contract by any of these other political subdivisions or districts will have to be coordinated between that subdivision or district and the contractor. Orders placed against this contract between any subdivision or district will be contracts solely between the Contractor(s) and those entities. Monroe County will not be responsible for, nor will it have any liability or other obligation for, such contract between the Contractor(s) and any third party.

INDEMNIFICATION:

The Contractor agrees to defend, indemnify and save harmless the County, its officers, agents, servants and employees from and against any and all liability, damages, costs or expenses, causes of action, suits, judgments, losses and claims of every name not described, including attorneys' fees and disbursements, brought against the County which may arise, be sustained or occasioned directly or indirectly by any person, firm or corporation arising out of or resulting from the performance of the services by the Contractor, arising from any act, omission or negligence of the Contractor, its agents and employees or arising from any breach or default by the Contractor under this Agreement. Nothing herein is intended to relieve the County from its own negligence or misfeasance or to assume any such liability for the County by the Contractor.

**BP1119-12
SPECIFICATION FOR
CORROSION RESISTANT PRODUCTS AND SERVICE**

1.00 GENERAL:

1.01 SCOPE:

The Monroe County Department of Environmental Services is seeking a qualified bidder to provide corrosion resistant products and or a combination of products and services. The following outline is intended to generally describe the inspection, retrofitting, restoration and furnishing of fabricated or molded objects, corrosion resistant coatings and the installation of FRP systems. This includes, but is not limited to domes, manways, tanks, structural shapes, gratings, covers, platforms, handrails, ladders, scrubber towers, duct work and piping. The contract resulting from this bid will be available to all Monroe County departments and political subdivisions. It is anticipated that the Division of Pure Waters will request the majority of the work. The intent in all cases is to repair, modify, or replace the equipment or area to an acceptable operational condition. The work to be done under this contract and in accordance with these specifications consists of furnishing of equipment, material, supervision, labor, technical knowledge and skills necessary to satisfactorily and safely complete the job as outlined in this agreement.

1.02 CONTACT PERSON:

Steve Christensen
Monroe County Department of Environmental Services
Frank E. VanLare Wastewater Treatment Facility (FEV)
1574 Lake Shore Blvd.
Rochester, NY 14617
(585) 753-7505 – Office
(585) 509-2847 – Cell
e-mail: schristensen@monroecounty.gov

1.03 QUALIFICATION OF BIDDER:

Consideration will be given only to products of manufacturers who can demonstrate that their product complies with the specifications. The technical information submitted by the bidder must address how the proposed equipment meets these specifications. Consideration will be given only to vendors who can demonstrate that their equipment, background and technical abilities comply with the specifications. The County shall have the sole responsibility for determining from the information submitted by the low bidder if the proposed equipment meets the specifications. Should the apparent low bidder fail to meet the requirements of the specifications as determined by the County's review, the bid shall be rejected and the next low bidder shall be considered. The County may require additional supplementary information during the review process. The bidder's technical specifications must provide sufficient detail to permit an evaluation of the proposed equipment. No bid will be considered unless the person or organization submitting the bid can meet the following **minimum qualifications**:

- A.** Bidder shall provide documentation of a similar size and scope working with fiberglass materials and coating systems with their bid.
- B.** The bidder's field personnel including installers, repair men, and mechanics shall be OSHA certified for respirator fit and fitness and confined space entry. Field personnel shall have been also have been trained by a manufacturers qualified trainer in the proper handling and installation of fiberglass products and corrosion resistant coatings.
- C.** Bidder shall have in-house capabilities to design and fabricate FRP platforms, walkways, stairways, ladders and handrail systems. In addition the bidder shall be capable of providing design drawings stamped by a Licensed Professional Engineer in New York State when required.
- D.** Bidder shall employ at least one (1) licensed professional Mechanical Engineer specializing in FRP.

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- E. The bidder shall have in-house capabilities to design and pre-fabricate FRP duct systems.
- F. The bidder shall have available an inventory of FRP components such as grating, structural shapes and all necessary appurtenances.
- G. The bidder shall be capable of providing on site repair of all FRP equipment and systems such as but not limited to, FRP tanks, columns, storage vessels, duct, venting, air intakes, structural shapes, and grating systems such as walkways, handrails, FRP covers, etc.
- H. Bidder shall have the ability to respond to emergency requests twenty four (24) hours a day.
- I. Bidder shall have the capability to design and fabricate custom FRP tanks and vessels.
- J. Bidder shall be able to provide a manufacturer's representative on site to provide technical advice and /or engineering.
- K. Bidder shall have the capabilities to install protective coatings, linings, joint compounds, patching materials and polymer concrete.

1.04 PROTECTION OF PROPERTY:

- A. The bidder shall be responsible for the preservation and protection of property adjacent to the work site against damage or injury as a result of his operation under this contract. Any damage or injury occurring on account of any act, omission, or negligence on the part of the contractor shall be restored in proper and satisfactory manner or replaced by and at the expense of the bidder.
- B. It is the bidder's responsibility to make himself aware of and comply with such safety regulations as may be required by jurisdictional agencies and shall at all times conduct his operations so as to avoid and eliminate any unsafe conditions created by his operations.

1.05 CODES/STANDARDS/INSPECTION :

The bidder shall comply with the following codes and standards:

- A. **OSHA** - Occupational Safety & Health Act
- B. **UFPBC** - Uniform Fire Protection & Building Code
- C. **ANSI** - American National Standards Institute
- D. **ASTM** - American Society for Testing & Materials
- E. **NFPA** - National Fire Protection Institute 2
- F. Accident Prevention Manual for Industrial Operations, National Safety Council
- G. American National Standards for Personnel Protection
- H. Applicable state and local safety operating procedures
- I. Inspection of G coatings.

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1.06 VENTILATION:

Prior to any grinding or chemical removal of existing laminates, proper ventilation shall be installed such that:

- A. No contaminants are introduced to other areas.
- B. No contaminants are transferred to other employees which could cause inhalation or respiratory distress.

1.07 CONTAINMENT:

Prior to any grinding, sand blasting or laminating, steps shall be instituted to insure that the equipment under repair is properly isolated and contained from any other operation.

1.08 STORAGE AND USE OF MATERIALS:

All drums, pails and containers shall be properly labeled, stored and dispensed in such a manner to insure compliance with State and Federal Regulations, which are conducive to good practices and supportive of employee safety.

1.09 DAILY TIME AND MATERIALS REPORT:

The Contractor shall provide a daily time and materials report. These original daily reports attached to the Contractor's invoice will be the only basis for payment by the County. These reports must be reviewed by and signed by the County's designated representative or they will not be accepted. The report sheets shall list as a minimum:

- Name of each employee
- Number of hours per employee
- Brief statement of work performed
- Materials used
- Equipment used
- Labor rate(s) per hour
- Work Order Number

Tradesmen are required to complete and sign (original signature in ink) an original daily time and materials report documenting hours worked on a daily basis..

1.10 CLEAN UP:

The Contractor shall at all times keep the premises and site free from accumulations of waste material or rubbish caused by tradesmen or work. At the completion of the work, all rubbish caused from and about the site of the work shall be removed.

2.00 GENERAL PROCEDURES:

- A. Upon request the vendor shall be available to inspect the proposed work to ascertain preliminary requirements and to determine the scope of the project. The vendor shall provide a written evaluation of the scope of the project and quotation for the work required.
- B. Prior to initialization of approved work a pre-job meeting shall be held to review the project scope. Job site procedures, scheduling, safety matters, mobilization and personnel matters shall be agreed upon to insure smooth progress and to minimize necessary down time on the equipment or process.
- C. All products shall be installed to manufacturers recommended practices and instructions.

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SPECIFICATION FOR
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2.01 GENERAL PROCEDURES FOR FIBERGLASS REPAIR (Chemical Service):

- A. Existing deteriorated laminates shall be removed by chemical or mechanical means to expose virgin structural matrix.
- B. Once the deteriorated surfaces have been removed the equipment shall be inspected to insure structural integrity and the ability to benefit from the laminate lining.

2.02 GENERAL PROCEDURES FOR FIBERGLASS REPAIR (Non - Chemical Service):

- A. Existing deteriorated laminates shall be removed by chemical or mechanical means to expose virgin structural matrix.
- B. Once the deteriorated surfaces have been removed the equipment shall be inspected to insure structural integrity and the ability to benefit from the laminate lining.

2.03 GENERAL PROCEDURES FOR PROTECTIVE COATINGS, LININGS, JOINT COMPOUNDS, PATCHING MATERIALS AND POLYMER CONCRETE:

- A. Prepare surface to manufacturer's recommendations.
- B. Apply recommended primer if applicable and allow proper cure time.
- C. Apply product as per manufacturer's instructions.

3.00 FIBERGLASS PRODUCTS (General)

- A. The material covered by these specifications shall be furnished by a reputable and qualified manufacturer of proven ability that has regularly engaged in the manufacture of FRP systems.
- B. Materials used in the manufacture of the FRP products shall be new stock of the best quality and shall be free from all defects and imperfections that might affect the performance of the finished product.
- C. All materials shall be of the kind and quality specified, and where the quality is not specified, it shall be the best of the respective kinds and suitable for the purpose intended.
- D. After fabrication, all cut ends, holes and abrasions of FRP shapes shall be sealed with a compatible resin coating to prevent intrusion of moisture. FRP products exposed to weather shall contain an ultraviolet inhibitor. Should additional ultraviolet protection be required, a one-mil minimum U.V. coating can be applied.
- E. All exposed surfaces shall be smooth and true to form.
- F. Substitution of any component or modification of system shall be made only when approved by the County.
- G. Design of FRP live loads on grating shall not be less than 100 pounds per sq. ft. Grating deflection at the center of a 30" simple span shall not exceed .25 inch.
- H. Structural members shall be designed to support all applied loads. Deflection in any direction shall not be more than L/180 of span for structural members. Connections shall be designed to transfer the loads.

3.01 SHIPPING AND STORAGE INSTRUCTIONS:

The grating, plate, handrails, stair treads, structural shapes and building panels shall be stored before, during, and after shipment in a manner to prevent cracking, twisting, bending, breaking, chipping or damage of any kind to the materials or equipment, including damage due to over exposure to the sun. Any material which, in the opinion of the County, has become damaged as to be unfit for use shall be promptly removed from the site, and the contractor shall receive **no compensation** for the damaged material or its removal.

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3.02 GRATINGS AND TREADS:

A. General:

- 1) Grating and treads shall be shipped from the manufacturer, palletized and banded with exposed edges protected to prevent damage in shipment.
- 2) Stair treads shall be capable of withstanding a uniform load of 100 lbs. per sq. ft. or a concentrated load of 300 lbs. on an area of 4 sq. inches located in the center of the tread, whichever produces the greater stress.
- 3) Panels shall be fabricated to the sizes shown on any submitted drawings.
- 4) Hold down clamps shall be type 316L stainless steel saddle clips. A minimum of 4 each per panel.
- 5) Grating shall be as manufactured by "IKG Fiberglass Systems", "IMCO" or approved equal.

B. Pultruded Grating:

The bearing bars shall be joined into panels by passing continuous length fiberglass pultruded cross rods through the web of each bearing bars. The pultruded cross rod assembly shall consist of two cross rod spacers that have notches cut into them to fit the distance between the web of each bearing bar. A continuous fiberglass pultruded bar shaped section shall be wedged between the two cross rod spacers mechanically locking the notches in the cross rod spacers to the web of the bearing bars. Continuous chemical bonding shall be achieved between the cross rod spacers and the bearing web and between the bar shaped wedge and the two cross rod spacers locking the entire panel together to give a panel that resists twist and prevents internal movement of the bearing bars. Skid resistant top surfaces of grating shall be of either "Standard grit" or "aluminum oxide grit"

C. Molded Grating:

Grating shall be glass fiber reinforced thermoset plastic produced in a mold. Glass fiber reinforcements shall not exceed 35% of the materials weight and shall be equal in both longitudinal and lateral directions Skid resistant top surfaces of grating shall be of either standard grit, aluminum oxide grit, or concave surface.

3.03 FIBERGLASS SHAPES AND HANDRAILS:

Fiberglass shapes, handrails shall be pultruded with a glass fiber content of 60 to 70% total material weight.

4.00 MATERIALS FOR STEEL, CONCRETE, & FIBERGLASS:

4.01 ALL COATINGS:

All coatings shall be prepared and installed as per the manufacturer's recommendations.

Extension #3

SEC	Item	Mat'l	Description	UM	Price
			SECTION A. LABOR		
A	1	1011502	Project Foreman-BP1119-12	HR	\$79.00
A	2	1011504	Fiberglass Mechanic-BP1119-12	HR	\$74.00
A	3	1011509	Laborer-BP1119-12	HR	\$61.00
A	4	1034516	Mechanical Designer-BP1119-12	HR	\$70.00
			SECTION B. MISC. MAT'LS.		
B	1	1034660	Chopped Fiberglass Mat, 1.5oz/SQFT	SF	\$5.50
B	2	1034661	Woven Roving Fiberglass Cloth, 24 oz/SQYD	SF	\$5.50
B	3	1008197	Acetone	GAL	\$8.50
B	4	1008202	Vinyl Ester Resin(Chemical Service)	GAL	\$81.00
B	5	1008207	Vinyl Ester Resin (Non Chem Service)	GAL	\$69.00
B	6	1008211	Paraffin Wax	LB	\$0.88
B	7	1034662	Nexus Synthetic Veil	SF	\$5.50
B	8	1034519	Vin Ester Resin used w/MDA/BPO Cure Sys.	GAL	\$82.00
B	9	1034520	BPO Crème, Tube	EA	\$10.00
B	10	1034521	Indirect Fire Heater ,DMA/BPO Cure Sys	DAY	\$75.00
			SECTION C. COATINGS		
C	1	1030346	ARC 855 Coating, 1KG Kit	EA	\$130.40
C	2	1030347	ARC 855 Coating, 4.5KG Kit	EA	\$418.40
C	3	1034523	ARC S1 Coating, 4 Liter	EA	\$278.20
C	4	1034524	ARC S2 Coating, 2KG Kit	EA	\$143.00
C	5	1034525	ARC S2 Coating, 12KG Kit	EA	\$611.00
C	6	1034526	DTM Acrylic Coating Tint	GAL	\$43.13
C	7	1034527	KEM Bond HS Alkyd Universal Primer	GAL	\$53.87
C	8	1034528	Industrial Urethane Alkyd Enamel	GAL	\$56.51
C	9	1034529	GP Novo-Flo Top Coat Part-A	GAL	\$114.12
C	10	1034530	GP Novo-Flo Top Coat Part-B	GAL	\$165.54
C	11	1034532	GP Epoxy Primer Hardener Part-A	GAL	\$79.38
C	12	1034533	GP Epoxy Primer Hardener Part-B	GAL	\$79.38
C	13	1034534	GP Epoxy Floor Coating Hardener Part-A	GAL	\$129.95
C	14	1034535	GP Epoxy Floor Coating Resin Part-B	GAL	\$48.83
C	15	1008491	Smith Fibercast Adhesive Kit, 6.6 oz.	EA	\$21.00
C	16	1038391	Epoxytec CPP-Kit	KIT	\$283.50
C	17	1038392	Mtn Grout Polyurethane Injection System-Kit	KIT	\$185.00
			SECTION D. ABRASIVES		
D	1	1034536	Sand, Flintshot, 100/LB Bag	BAG	\$15.00
D	2	1034537	Sand, OROK, 100/LB Bag	BAG	\$30.00
D	3	1034538	Aluminum Oxide, Non-Skid, 50LB/Bag	BAG	\$185.00
			SECTION E. MOLDED GRATING		
E	1	1034539	Molded Fiberglass Grating FRPE (Meniscus Top), 1.5" Grid, 4'x8' Sheet	SF	\$12.56
E	2	1034540	Molded Fiberglass Grating FRPE (Grit Top) , 1.5" Grid, 4'x8' Sheet	SF	\$12.89

Extension #3

SEC	Item	Mat'l	Description	UM	Price
E	3	1034541	Molded Fiberglass Grating FRPE (Covered Top), 1.5" Grid, 4'x8' Sheet	SF	\$48.75
E	4	1034542	Molded Fiberglass Grating FRVE (Meniscus Top), 1.5" Grid, 4'x8' Sheet	SF	\$18.00
E	5	1034543	Molded Fiberglass Grating FRVE (Grit Top) , 1.5" Grid, 4'x8' Sheet	SF	\$19.13
E	6	1034544	Molded Fiberglass Grating FRVE (Covered Top), 1.5" Grid, 4'x8' Sheet	SF	\$55.31
SECTION F. PULTRUDED GRATING					
F	1	1034545	Pultruded Fiberglass Grating FRPE (Grit Top), 1.5" Grid, 3'x20'	SF	\$15.21
F	2	1034546	Pultruded Fiberglass Grating FRPE (Grit Top), 1.5" Grid, 4'x20'	SF	\$14.96
F	3	1034547	Pultruded Fiberglass Grating FRVE (Grit Top), 1.5" Grid, 3'x20'	SF	\$17.38
F	4	1034548	Pultruded Fiberglass Grating FRVE (Grit Top), 1.5" Grid, 4'x20'	SF	\$17.10
SECTION G. GRATING CLIPS					
G	1	1008340	316 SST M Saddle Clip, 1" & 1.5" Molded Fiberglass Grates	EA	\$2.25
G	2	1008344	316 SST M Saddle Clip, 1" & 1.5" Pultruded Fiberglass Grates	EA	\$3.75
G	3	1034549	316 SST WLP Saddle Clip, Covered Fiberglass Grates	EA	\$3.75
SECTION H. ANGLES					
H	1	1008349	FRP Angle, 2"x 2" x 1/4" x 20' ISO-PE	FT	\$3.75
H	2	1034550	FRP Angle, 3"x 3" x 1/4" x 20' ISO-PE	FT	\$6.69
H	3	1034554	FRP Angle, 3"x 3" x 3/8" x 20' ISO-PE	FT	\$9.90
H	4	1034555	FRP Angle, 4"x 4" x 1/4" x 20' ISO-PE	FT	\$8.41
H	5	1034556	FRP Angle, 4"x 4" x 3/8" x 20' ISO-PE	FT	\$12.43
H	6	1034557	FRP Angle, 4"x 4" x 1/2" x 20' ISO-PE	FT	\$16.53
H	7	1034558	FRP Angle, 6"x 6" x 3/8" x 20' ISO-PE	FT	\$15.00
H	8	1034559	FRP Angle, 6"x 6" x 1/2" x 20' ISO-PE	FT	\$18.00
SECTION I. CHANNEL					
I	1	1034560	FRP Channel, 3"x 1" x 1/4" x 20' ISO-PE	FT	\$4.08
I	2	1034561	FRP Channel, 4"x 1-1/8" x 1/4" x 20' ISO-PE	FT	\$6.67
I	3	1034562	FRP Channel, 4"x 1-3/8" x 3/16"x 20' ISO-PE	FT	\$5.91
I	4	1034563	FRP Channel, 6"x 1-5/8" x 1/4" x 20' ISO-PE	FT	\$9.36
I	5	1034564	FRP Channel, 6"x 1-11/16" x 3/8" x 20' ISO-PE	FT	\$14.04
I	6	1034565	FRP Channel, 8" x 2-3/16" x 1/4" x 20' ISO-PE	FT	\$12.51
I	7	1034566	FRP Channel, 8" x 2-3/16" x 3/8" x 20' ISO-PE	FT	\$17.56
I	8	1034567	FRP Channel, 10" x 2-3/4" x 1/2" x 20 ISO-PE	FT	\$28.21
SECTION J. I -BEAMS					

Extension #3

SEC	Item	Mat'l	Description	UM	Price
J	1	1034568	FRP I-Beam, 4" x 2" x 1/4" x 20' ISO-PE	FT	\$9.10
J	2	1034569	FRP I-Beam, 6" x 3" x 1/4" x 20' ISO-PE	FT	\$16.45
J	3	1034570	FRP I-Beam, 6" x 3" x 3/8" x 20' ISO-PE	FT	\$31.81
J	4	1034571	FRP I-Beam, 8" x 4" x 3/8" x 20' ISO-PE	FT	\$25.48
J	5	1034572	FRP I-Beam, 8" x 4" x 1/2" x 20' ISO-PE	FT	\$32.50
J	6	1034573	FRP I-Beam, 10" x 5" x 1/2" x 20' ISO-PE	FT	\$35.00
J	7	1034574	FRP I-Beam, 12" x 6" x 1/2" x 20' ISO-PE	FT	\$37.00
			SECTION K. WF-BEAMS		
K	1	1034575	FRP WF-Beam, 3" x 3" x 1/4" ISO-PE	FT	\$9.15
K	2	1034576	FRP WF-Beam, 4" x 4" x 1/4" ISO-PE	FT	\$11.46
K	3	1034577	FRP WF-Beam, 6" x 6" x 1/4" ISO-PE	FT	\$19.32
K	4	1034578	FRP WF-Beam, 6" x 6" x 3/8" ISO-PE	FT	\$27.88
K	5	1034579	FRP WF-Beam, 8" x 8" x 1/2" ISO-PE	FT	\$41.43
K	6	1034580	FRP WF-Beam, 8" x 8" x 3/8" ISO-PE	FT	\$33.54
K	7	1034581	FRP WF-Beam, 10" x 10" x 1/2" ISO-PE	FT	\$51.50
K	8	1034583	FRP WF-Beam, 12" x 12" x 1/2" ISO-PE	FT	\$55.00
			SECTION L- HANDRAILS & RELATED		
L	1	1008372	FRP Handrail, Top Rail, 20' Lengths	FT	\$5.20
L	2	1008375	FRP Handrail, Mid Rail, 20' Lengths	FT	\$5.50
L	3	1008379	FRP Handrail, FM Inter Post	FT	\$6.40
L	4	1008384	FRP Handrail, FM End Post	FT	\$6.40
L	5	1008390	FRP Handrail, Flush Mount Base	EA	\$63.00
L	6	1008394	FRP Handrail, Top Rail Splice	EA	\$8.89
L	7	1008399	FRP Handrail, Mid Rail Splice	EA	\$8.89
L	8	1008403	FRP Handrail, Toe Plate	FT	\$4.15
L	9	1008408	FRP Handrail, Toe Plate-Straight	EA	\$14.17
L	10	1008413	FRP Handrail, Toe Plate Corner	EA	\$17.85
L	11	1034584	FRP Handrail, SST Stanchion Base	EA	\$61.00
L	12	1034585	FRP Adjustable Elbow Connector	EA	\$8.50
L	13	1034586	FRP Sealant, Aerosol Can	EA	\$14.50
L	14	1034587	FRP Handrail, Post Kit For included Rails	EA	\$51.85
L	15	1034588	FRP Handrail Post Kit For Horiz.Rails-Side Mount	EA	\$43.30
L	16	1034589	FRP Handrail Post Kit For Horiz.Rails-Top Mount With FRP Stanchion Base	EA	\$214.00
L	17	1034590	FRP Handrail Post Kit For Horiz.Rails-Top Mount With SST Stanchion Base	EA	\$232.00
			SECTION M-LADDERS		
M	1	1034591	FRP VE 8' Ladder With Mounting Kit	EA	\$366.70
M	2	1034592	FRP VE 10' Ladder With Mounting Kit	EA	\$433.20
M	3	1034593	FRP VE 12' Ladder With Mounting Kit	EA	\$499.70
M	4	1034594	FRP VE 14' Ladder With Mounting Kit	EA	\$566.20
M	5	1034595	FRP VE 16' Ladder With Mounting Kit	EA	\$366.40

Extension #3

SEC	Item	Mat'l	Description	UM	Price
M	6	1034596	FRP VE 18' Ladder With Mounting Kit	EA	\$700.60
M	7	1034597	FRP VE 20' Ladder With Mounting Kit	EA	\$767.10
M	8	1034598	FRP VE 24' Ladder With Mounting Kit	EA	\$900.10
M	9	1034599	FRP VE 8' Ladder With Cage, (3'-6") Walk-Thru & Mounting Kit	EA	\$683.80
M	10	1034600	FRP VE 10' Ladder With Cage, (3'-6") Walk-Thru & Mounting Kit	EA	\$829.40
M	11	1034601	FRP VE 12' Ladder With Cage, (3'-6") Walk-Thru & Mounting Kit	EA	\$975.70
M	12	1034602	FRP VE 14' Ladder With Cage, (3'-6") Walk-Thru & Mounting Kit	EA	\$1,120.60
M	13	1040603	FRP VE 16' Ladder With Cage, (3'-6") Walk-Thru & Mounting Kit	EA	\$1,267.60
M	14	1034604	FRP VE 18' Ladder With Cage, (3'-6") Walk-Thru & Mounting Kit	EA	\$1,413.20
M	15	1034605	FRP VE 20' Ladder With Cage, (3'-6") Walk-Thru & Mounting Kit	EA	\$1,558.80
M	16	1034606	FRP VE 24' Ladder With Cage, (3'-6") Walk-Thru & Mounting Kit	EA	\$1,850.00